

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071825\
 Data File : BF143161.D
 Acq On : 18 Jul 2025 12:23
 Operator : RC/JU
 Sample : PB168854BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168854BS

Quant Time: Jul 18 12:50:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	139667	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	546395	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	284388	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	457190	20.000	ng	0.00
76) Chrysene-d12	14.121	240	257248	20.000	ng	0.00
86) Perylene-d12	15.621	264	280393	20.000	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.598	112	995555	112.799	ng	0.01
7) Phenol-d6	6.587	99	1255532	113.019	ng	0.00
23) Nitrobenzene-d5	7.522	82	860426	78.496	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	355938	121.154	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1524454	73.311	ng	0.00
79) Terphenyl-d14	13.063	244	1305676	75.530	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	2.916	88	154042	36.886	ng	99
3) Pyridine	3.657	79	423628	39.082	ng	98
4) n-Nitrosodimethylamine	3.604	42	239152	42.733	ng	97
6) Aniline	6.622	93	529368	34.191	ng	99
8) 2-Chlorophenol	6.745	128	405746	43.858	ng	99
9) Benzaldehyde	6.510	77	281116	33.747	ng	98
10) Phenol	6.598	94	527851m	43.616	ng	
11) bis(2-Chloroethyl)ether	6.692	93	405839	43.798	ng	99
12) 1,3-Dichlorobenzene	6.904	146	424478	42.237	ng	99
13) 1,4-Dichlorobenzene	6.981	146	433056	42.789	ng	99
14) 1,2-Dichlorobenzene	7.134	146	413144	42.919	ng	100
15) Benzyl Alcohol	7.098	79	373485	44.031	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.234	45	749915	43.627	ng	100
17) 2-Methylphenol	7.204	107	340268	43.743	ng	99
18) Hexachloroethane	7.481	117	152465	43.515	ng	99
19) n-Nitroso-di-n-propyla...	7.369	70	304986	42.792	ng	98
20) 3+4-Methylphenols	7.357	107	417934	44.283	ng	# 88
22) Acetophenone	7.363	105	555181	42.918	ng	96
24) Nitrobenzene	7.539	77	451420	44.173	ng	99
25) Isophorone	7.781	82	843553	43.593	ng	99
26) 2-Nitrophenol	7.857	139	204972	46.214	ng	99
27) 2,4-Dimethylphenol	7.886	122	391636	43.319	ng	99
28) bis(2-Chloroethoxy)met...	7.986	93	502839	43.341	ng	99
29) 2,4-Dichlorophenol	8.092	162	332594	43.623	ng	98
30) 1,2,4-Trichlorobenzene	8.181	180	355643	43.177	ng	99
31) Naphthalene	8.263	128	1160186m	43.115	ng	
32) Benzoic acid	7.998	122	231397m	45.714	ng	
33) 4-Chloroaniline	8.304	127	214732	19.543	ng	99
34) Hexachlorobutadiene	8.386	225	215725	42.873	ng	98
35) Caprolactam	8.669	113	110171m	47.819	ng	
36) 4-Chloro-3-methylphenol	8.781	107	363215	43.830	ng	99
37) 2-Methylnaphthalene	8.957	142	710734	43.404	ng	99
38) 1-Methylnaphthalene	9.057	142	732289	43.429	ng	100
40) 1,2,4,5-Tetrachloroben...	9.122	216	341661	41.612	ng	98
41) Hexachlorocyclopentadiene	9.116	237	450878	84.396	ng	100
43) 2,4,6-Trichlorophenol	9.228	196	241865	42.564	ng	100

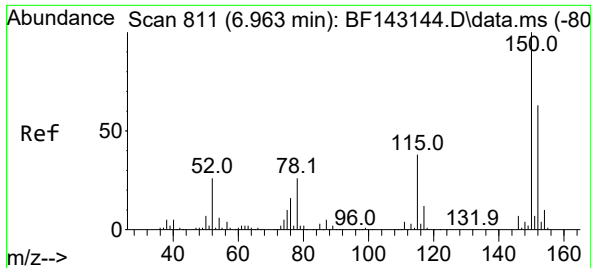
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 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	257361	45.277	ng	99
46) 1,1'-Biphenyl	9.422	154	956516	43.110	ng	100
47) 2-Chloronaphthalene	9.445	162	696563	42.428	ng	100
48) 2-Nitroaniline	9.528	65	239661	46.550	ng	95
49) Acenaphthylene	9.863	152	1197301	43.518	ng	99
50) Dimethylphthalate	9.716	163	819026	44.183	ng	100
51) 2,6-Dinitrotoluene	9.775	165	176895	46.909	ng	99
52) Acenaphthene	10.033	154	748426	46.024	ng	98
53) 3-Nitroaniline	9.939	138	137184	31.102	ng	100
54) 2,4-Dinitrophenol	10.045	184	160402	92.697	ng #	3
55) Dibenzofuran	10.204	168	1038123	42.999	ng	99
56) 4-Nitrophenol	10.092	139	297598	90.352	ng	99
57) 2,4-Dinitrotoluene	10.175	165	232168	49.072	ng	99
58) Fluorene	10.545	166	778409	42.959	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.316	232	219704	46.661	ng	97
60) Diethylphthalate	10.416	149	815189	44.492	ng	100
61) 4-Chlorophenyl-phenyle...	10.539	204	390558	43.287	ng	100
62) 4-Nitroaniline	10.557	138	170541	45.113	ng	100
63) Azobenzene	10.698	77	849763	44.500	ng	100
65) 4,6-Dinitro-2-methylph...	10.586	198	104932	44.257	ng	98
66) n-Nitrosodiphenylamine	10.657	169	705995	43.853	ng	99
67) 4-Bromophenyl-phenylether	11.027	248	241290	44.286	ng	100
68) Hexachlorobenzene	11.098	284	253770	44.562	ng	99
69) Atrazine	11.175	200	208527	46.983	ng	99
70) Pentachlorophenol	11.286	266	305192	91.129	ng	98
71) Phenanthrene	11.510	178	1059125	43.630	ng	100
72) Anthracene	11.563	178	1074473	43.399	ng	100
73) Carbazole	11.710	167	951994	44.036	ng	100
74) Di-n-butylphthalate	12.039	149	1131308	46.248	ng	100
75) Fluoranthene	12.698	202	980449	44.003	ng	100
77) Benzidine	12.810	184	366399	36.969	ng	99
78) Pyrene	12.921	202	980591	44.664	ng	100
80) Butylbenzylphthalate	13.539	149	316224	47.037	ng	98
81) Benzo(a)anthracene	14.110	228	774464	44.967	ng	99
82) 3,3'-Dichlorobenzidine	14.068	252	150680	26.250	ng	99
83) Chrysene	14.145	228	702972	45.397	ng	99
84) Bis(2-ethylhexyl)phtha...	14.098	149	475648	46.744	ng	100
85) Di-n-octyl phthalate	14.715	149	837235	45.392	ng	100
87) Indeno(1,2,3-cd)pyrene	17.156	276	899497	45.495	ng	99
88) Benzo(b)fluoranthene	15.174	252	806547	47.085	ng	99
89) Benzo(k)fluoranthene	15.210	252	721686	47.214	ng	99
90) Benzo(a)pyrene	15.557	252	737322	46.719	ng	99
91) Dibenzo(a,h)anthracene	17.174	278	737405	45.822	ng	99
92) Benzo(g,h,i)perylene	17.621	276	720200	46.265	ng	100

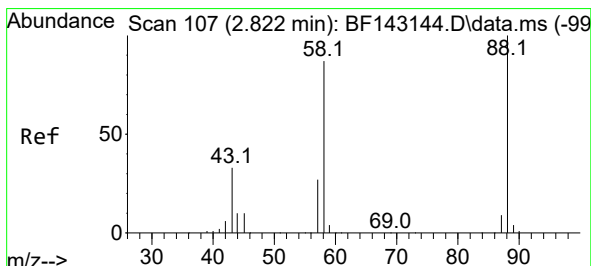
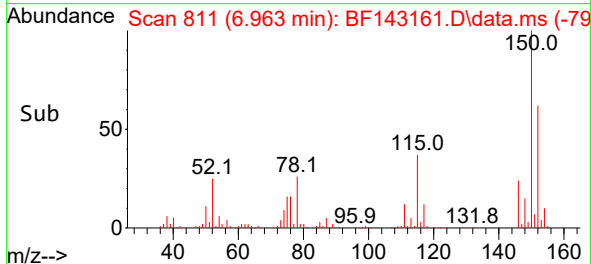
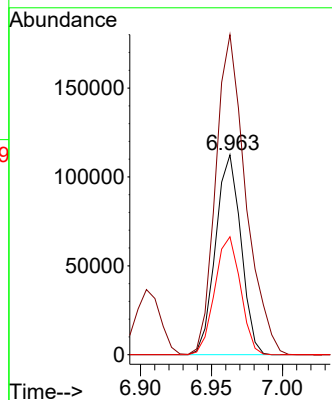
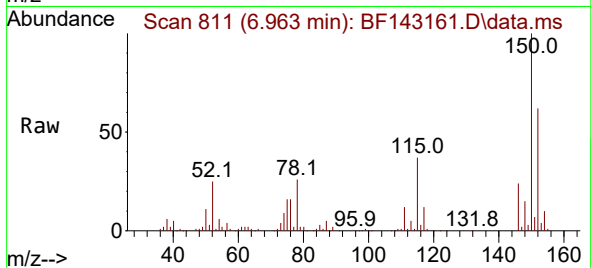
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

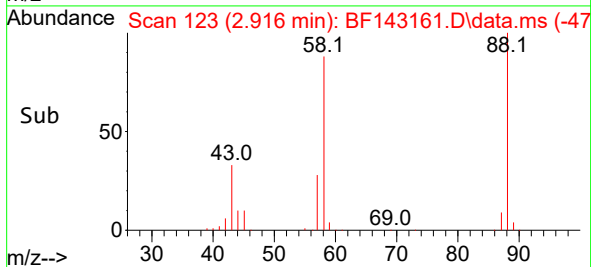
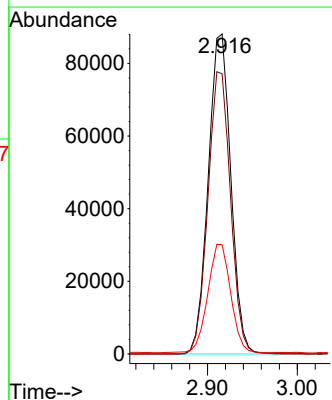
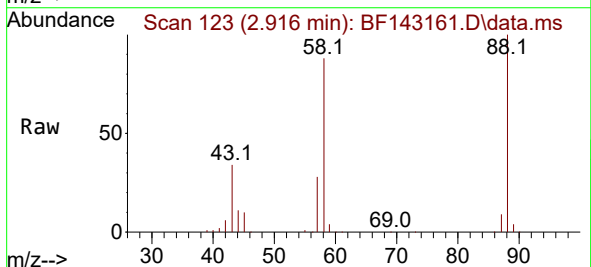
Instrument :
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PB168854BS

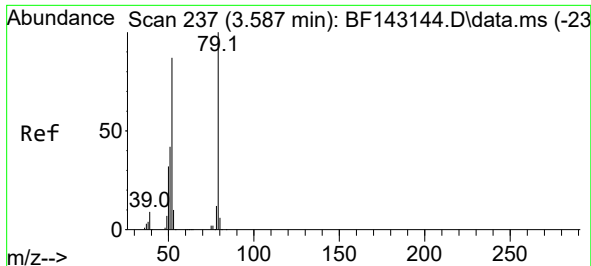
Tgt Ion:152 Resp: 139667
Ion Ratio Lower Upper
152 100
150 160.1 128.2 192.4
115 59.0 47.9 71.9



#2
1,4-Dioxane
Concen: 36.886 ng
RT: 2.916 min Scan# 123
Delta R.T. 0.094 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

Tgt Ion: 88 Resp: 154042
Ion Ratio Lower Upper
88 100
58 88.5 70.2 105.2
43 34.3 27.1 40.7

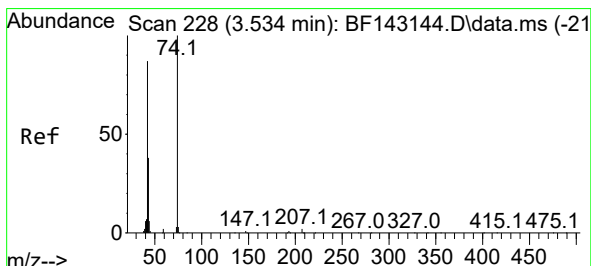
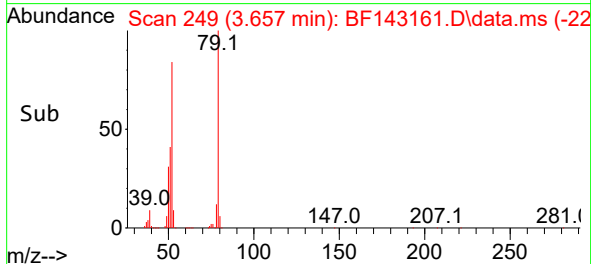
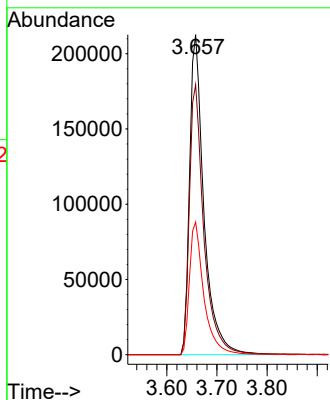
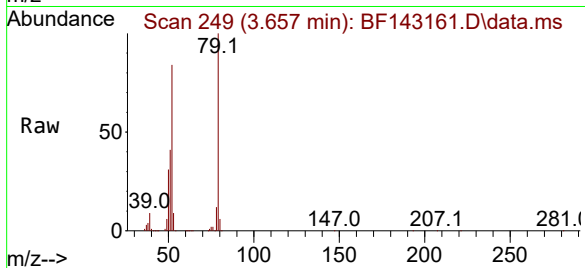




#3
Pyridine
Concen: 39.082 ng
RT: 3.657 min Scan# 24
Delta R.T. 0.071 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

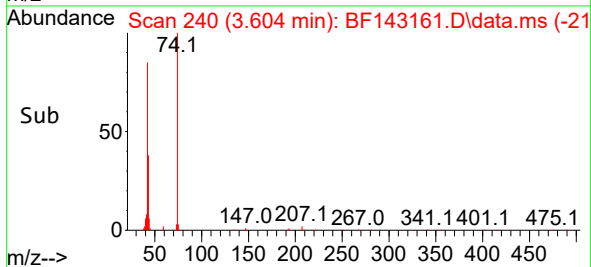
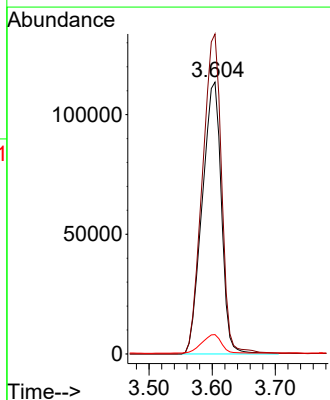
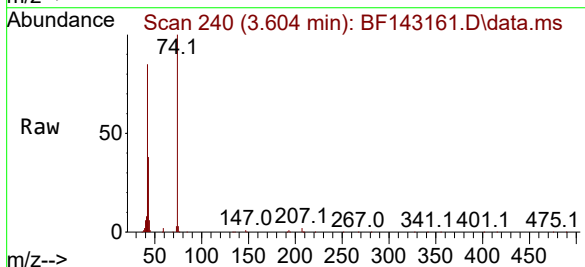
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ClientSampleId :
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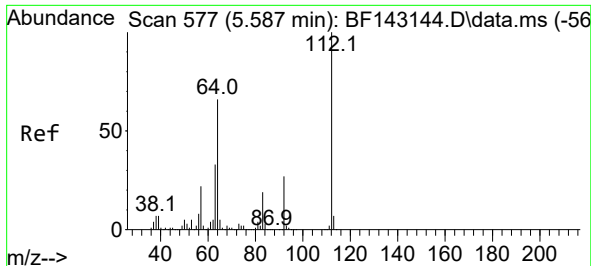
Tgt Ion: 79 Resp: 423628
Ion Ratio Lower Upper
79 100
52 84.4 69.4 104.2
51 41.4 33.5 50.3



#4
n-Nitrosodimethylamine
Concen: 42.733 ng
RT: 3.604 min Scan# 240
Delta R.T. 0.071 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

Tgt Ion: 42 Resp: 239152
Ion Ratio Lower Upper
42 100
74 117.7 91.7 137.5
44 7.1 5.6 8.4

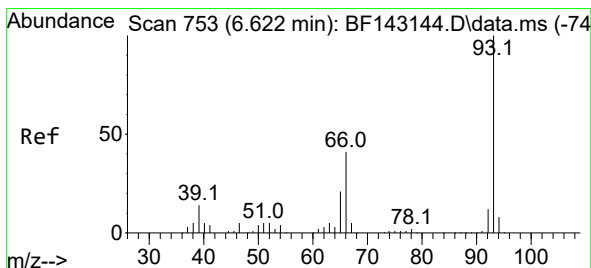
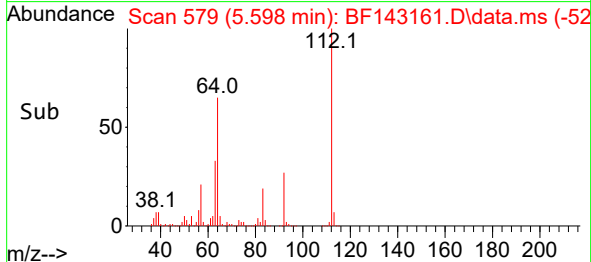
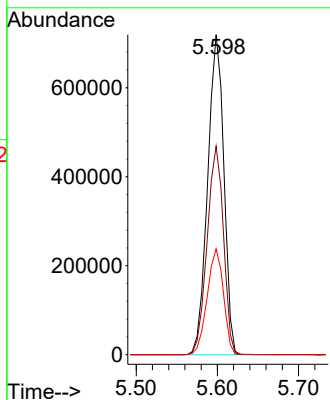
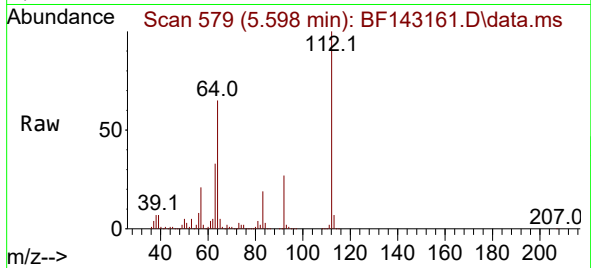




#5
2-Fluorophenol
Concen: 112.799 ng
RT: 5.598 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

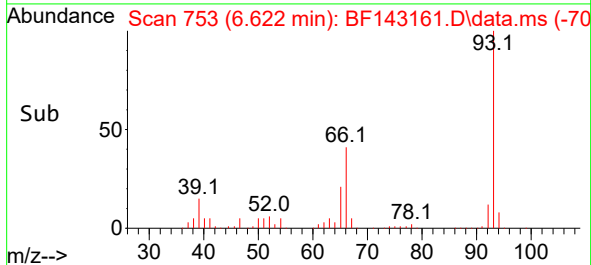
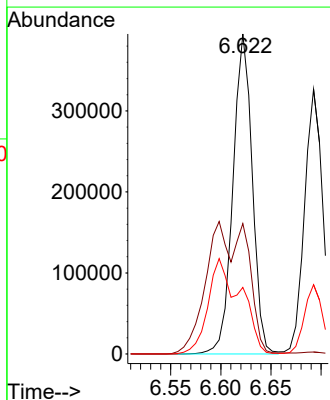
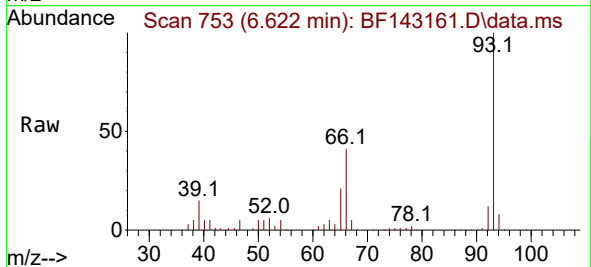
Instrument :
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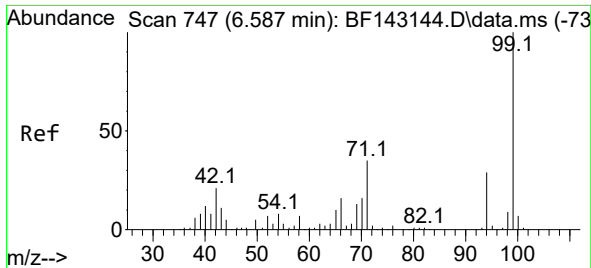
Tgt Ion:112 Resp: 995555
Ion Ratio Lower Upper
112 100
64 65.1 53.1 79.7
63 33.1 26.6 40.0



#6
Aniline
Concen: 34.191 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

Tgt Ion: 93 Resp: 529368
Ion Ratio Lower Upper
93 100
66 40.7 33.2 49.8
65 20.8 16.9 25.3

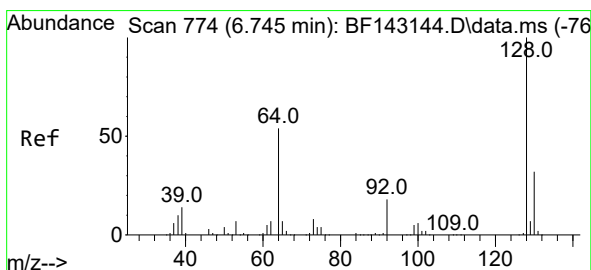
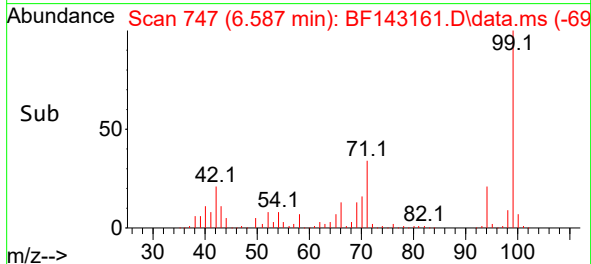
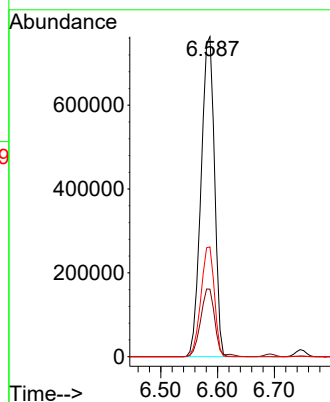
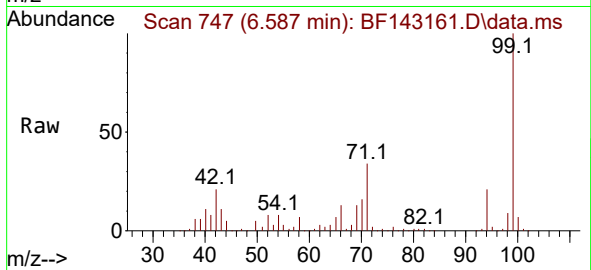




#7
Phenol-d6
Concen: 113.019 ng
RT: 6.587 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

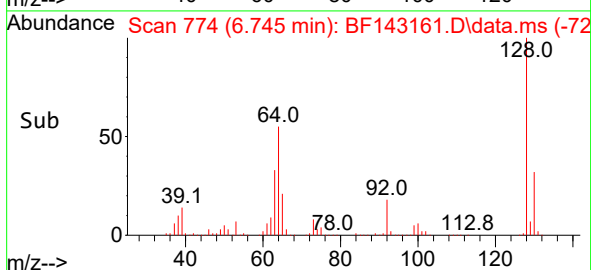
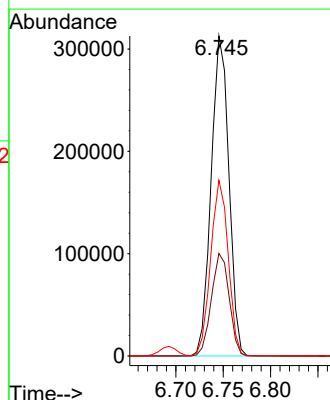
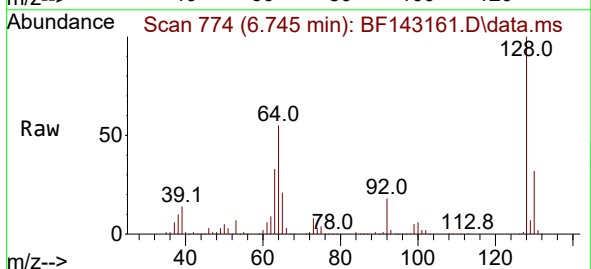
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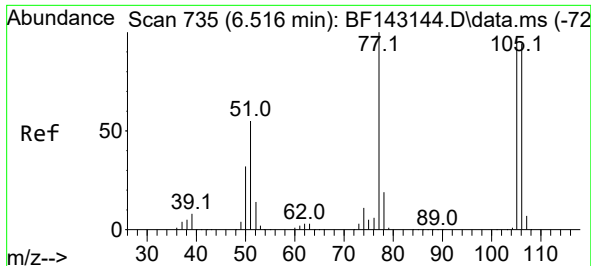
Tgt Ion: 99 Resp: 1255532
Ion Ratio Lower Upper
99 100
42 21.1 17.0 25.6
71 34.3 27.7 41.5



#8
2-Chlorophenol
Concen: 43.858 ng
RT: 6.745 min Scan# 774
Delta R.T. 0.000 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

Tgt Ion:128 Resp: 405746
Ion Ratio Lower Upper
128 100
130 32.0 12.3 52.3
64 54.9 35.9 75.9

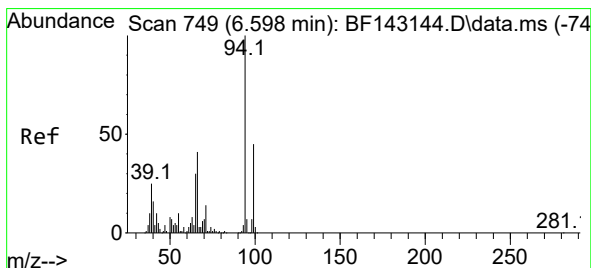
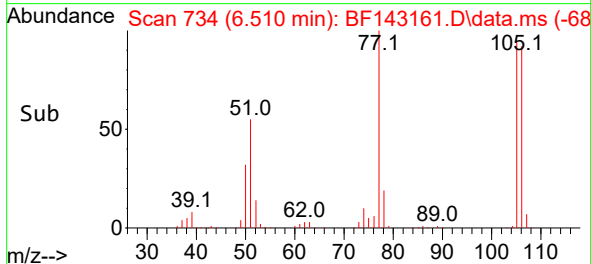
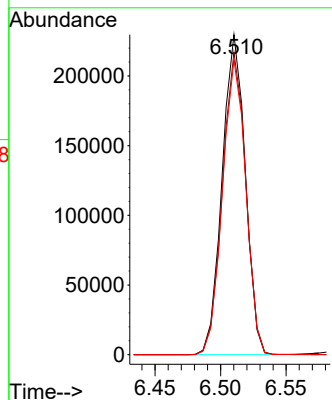
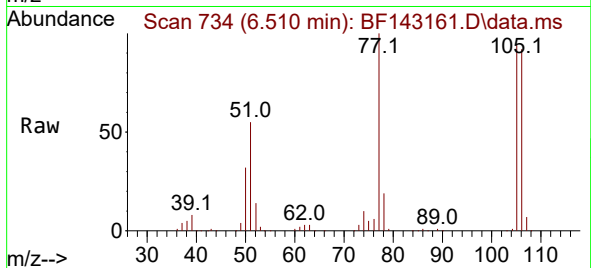




#9
Benzaldehyde
Concen: 33.747 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

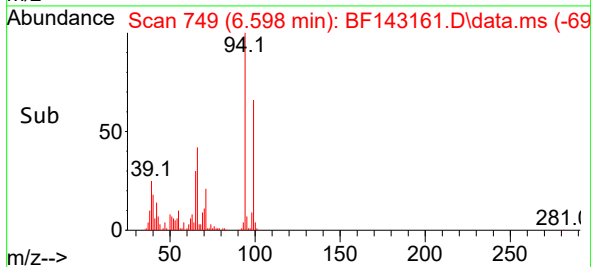
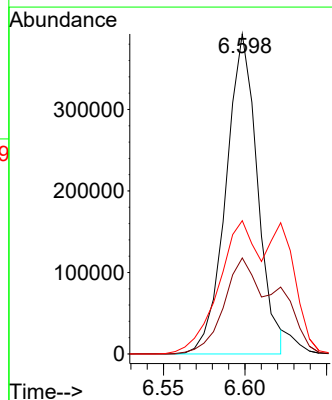
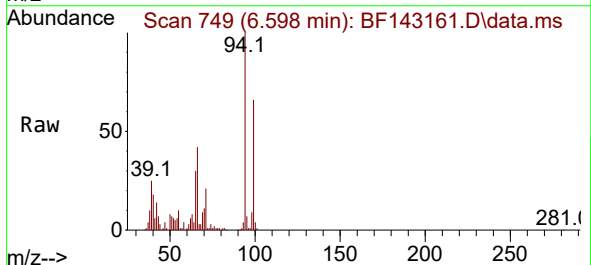
Instrument :
BNA_F
ClientSampleId :
PB168854BS

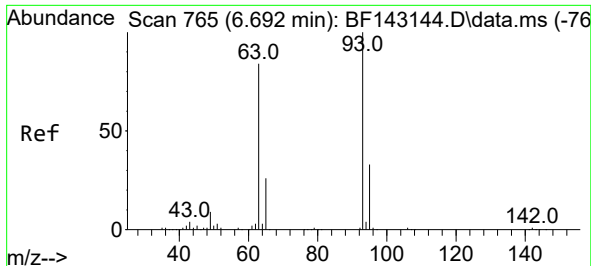
Tgt Ion: 77 Resp: 281116
Ion Ratio Lower Upper
77 100
105 94.5 76.8 116.8
106 92.1 74.4 114.4



#10
Phenol
Concen: 43.616 ng m
RT: 6.598 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

Tgt Ion: 94 Resp: 527851
Ion Ratio Lower Upper
94 100
65 30.0 10.0 50.0
66 41.6 20.8 60.8

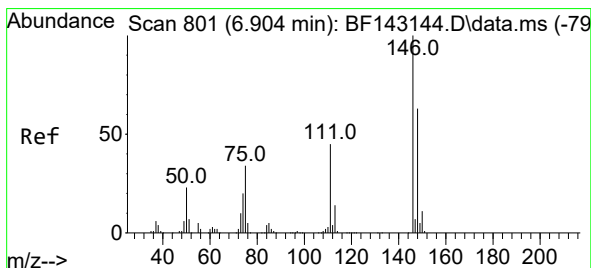
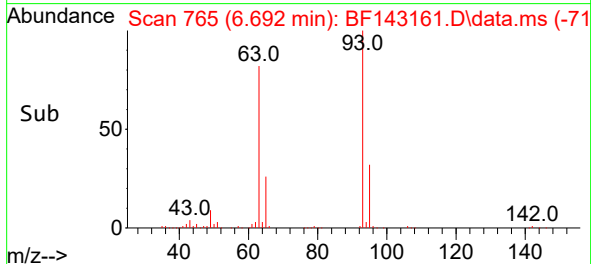
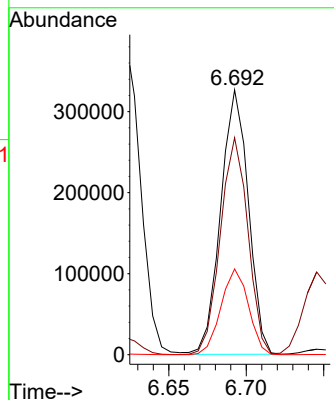
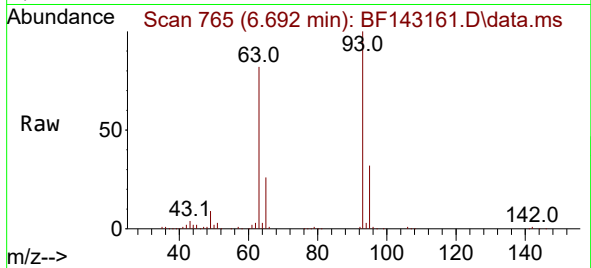




#11
bis(2-Chloroethyl)ether
Concen: 43.798 ng
RT: 6.692 min Scan# 765
Delta R.T. 0.000 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

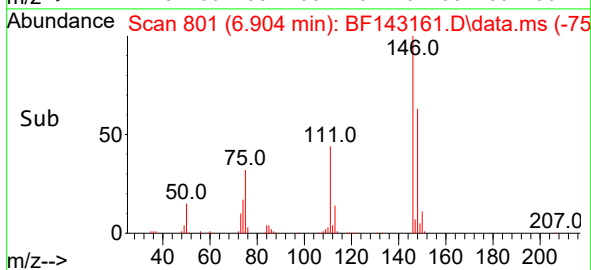
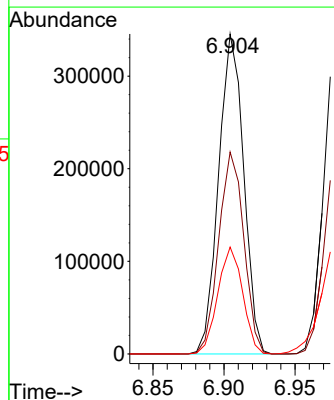
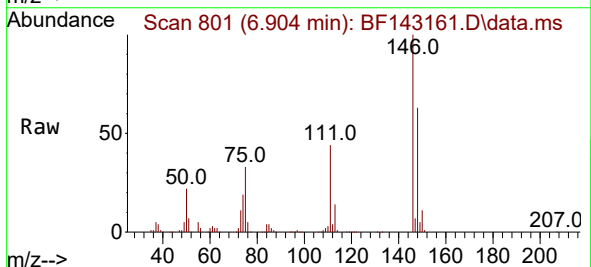
Instrument :
BNA_F
ClientSampleId :
PB168854BS

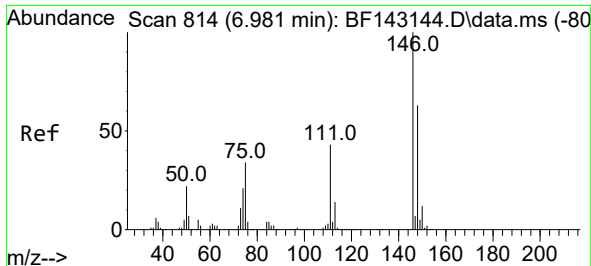
Tgt Ion: 93 Resp: 405839
Ion Ratio Lower Upper
93 100
63 81.9 63.4 103.4
95 32.4 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 42.237 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

Tgt Ion:146 Resp: 424478
Ion Ratio Lower Upper
146 100
148 63.1 50.6 76.0
75 33.4 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 42.789 ng

RT: 6.981 min Scan# 814

Delta R.T. 0.000 min

Lab File: BF143161.D

Acq: 18 Jul 2025 12:23

Instrument :

BNA_F

ClientSampleId :

PB168854BS

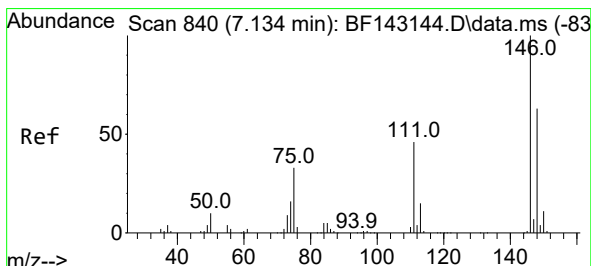
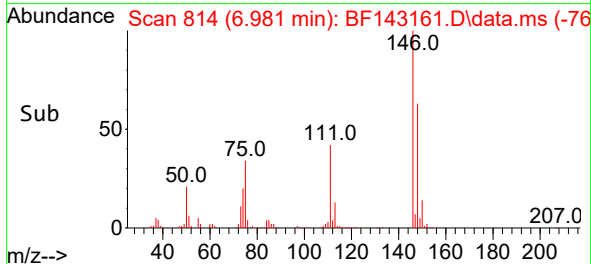
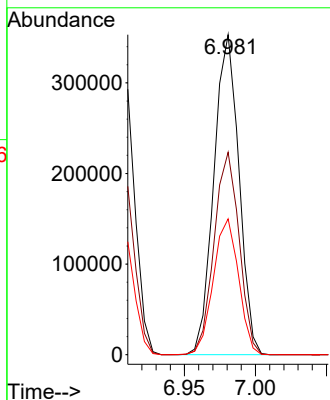
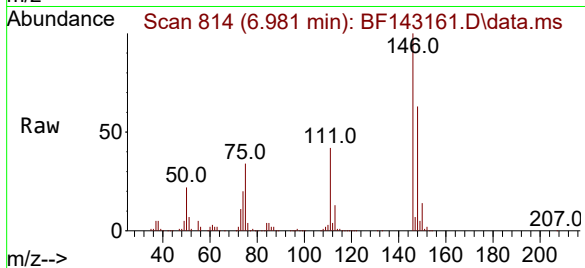
Tgt Ion:146 Resp: 433056

Ion Ratio Lower Upper

146 100

148 63.2 50.3 75.5

111 42.5 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 42.919 ng

RT: 7.134 min Scan# 840

Delta R.T. 0.000 min

Lab File: BF143161.D

Acq: 18 Jul 2025 12:23

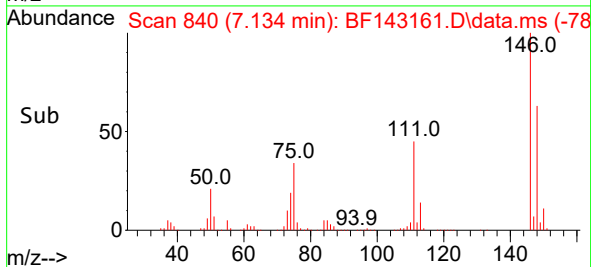
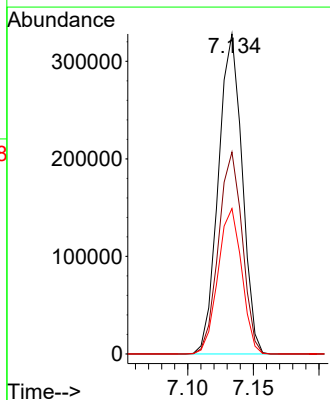
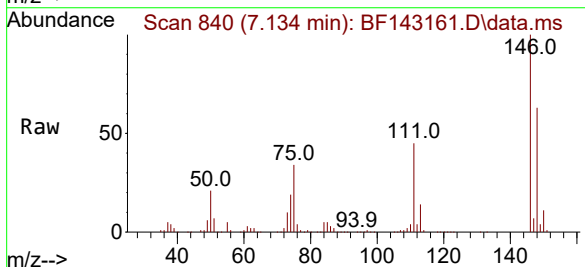
Tgt Ion:146 Resp: 413144

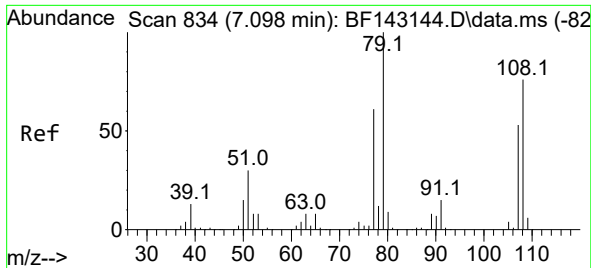
Ion Ratio Lower Upper

146 100

148 63.1 50.7 76.1

111 45.5 36.6 54.8

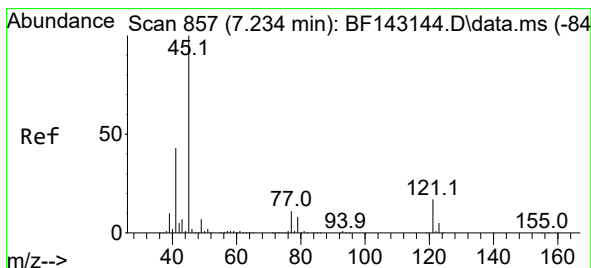
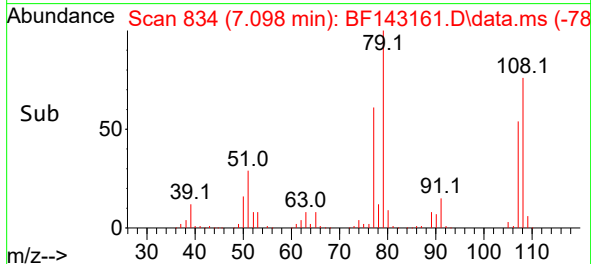
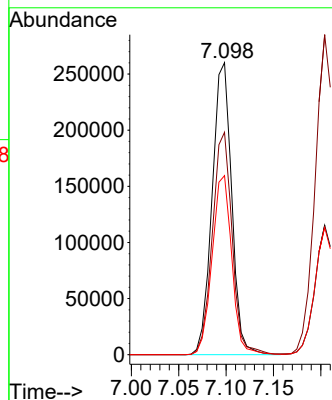
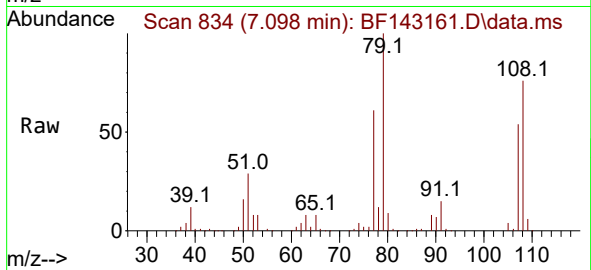




#15
Benzyl Alcohol
Concen: 44.031 ng
RT: 7.098 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

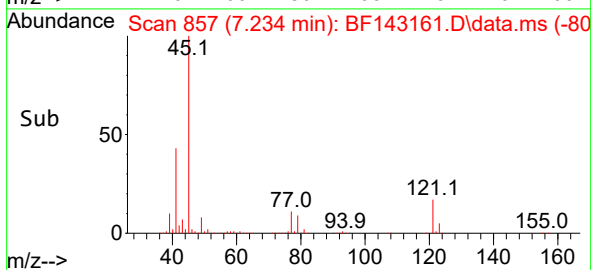
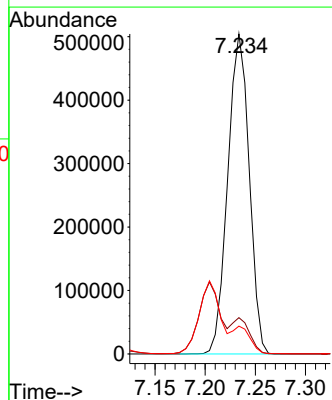
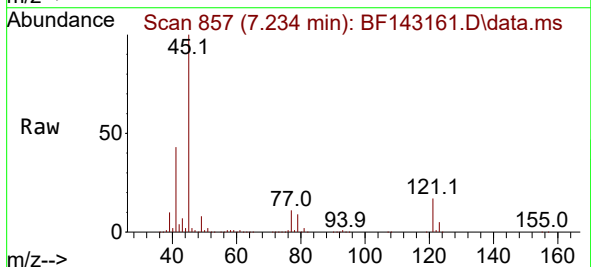
Instrument :
BNA_F
ClientSampleId :
PB168854BS

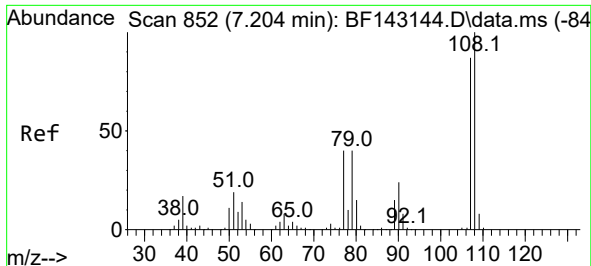
Tgt Ion: 79 Resp: 373485
Ion Ratio Lower Upper
79 100
108 76.2 61.1 91.7
77 61.3 48.9 73.3



#16
2,2'-oxybis(1-chloropropane)
Concen: 43.627 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

Tgt Ion: 45 Resp: 749915
Ion Ratio Lower Upper
45 100
77 11.4 0.0 31.2
79 8.7 0.0 28.5

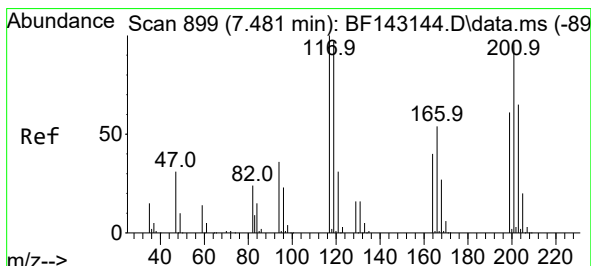
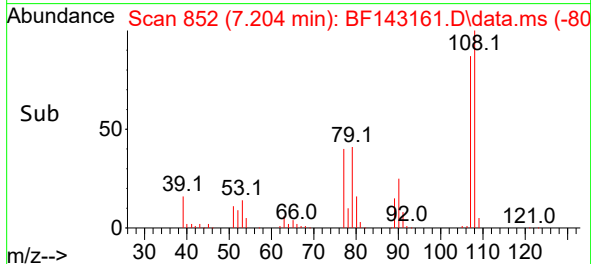
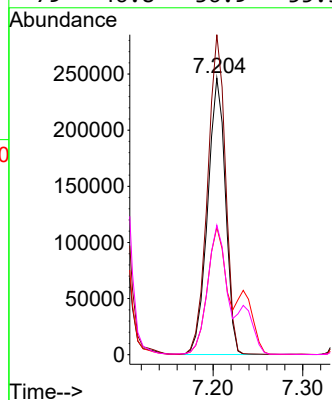
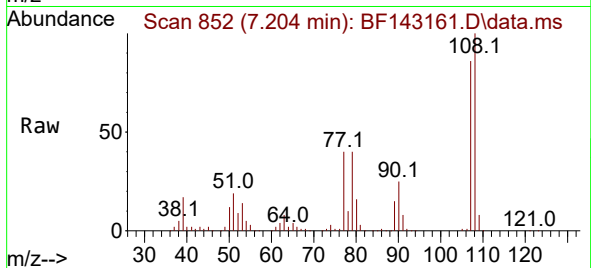




#17
2-Methylphenol
Concen: 43.743 ng
RT: 7.204 min Scan# 852
Delta R.T. 0.000 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

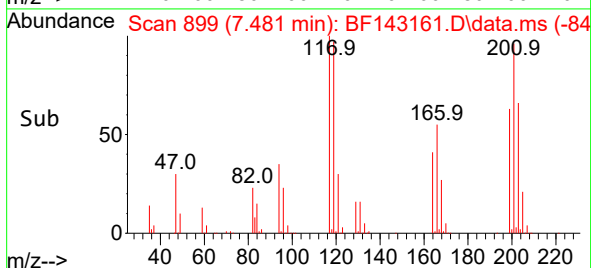
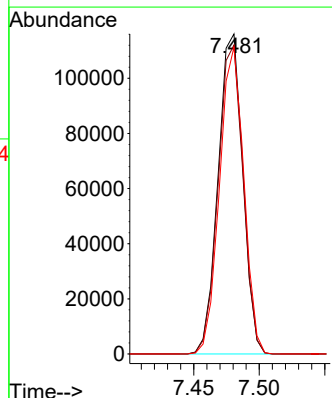
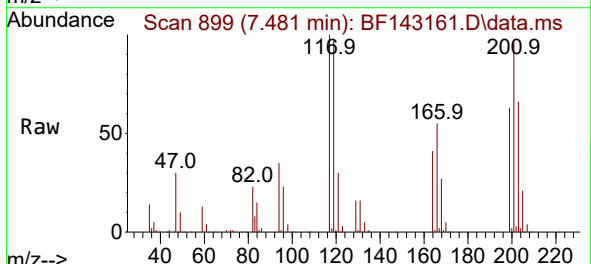
Instrument :
BNA_F
ClientSampleId :
PB168854BS

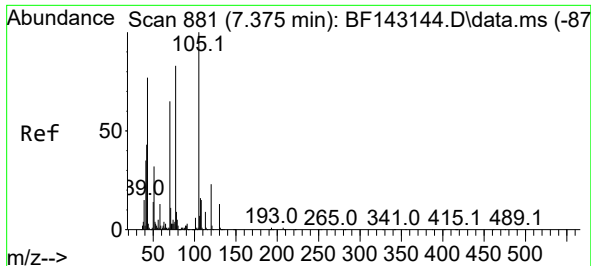
Tgt Ion:	107	Resp:	340268
Ion	Ratio	Lower	Upper
107	100		
108	115.7	91.8	137.6
77	46.1	37.0	55.6
79	46.8	36.9	55.3



#18
Hexachloroethane
Concen: 43.515 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

Tgt Ion:	117	Resp:	152465
Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.8	116.8
201	95.9	77.0	115.4

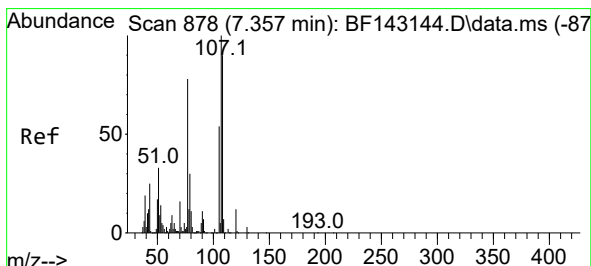
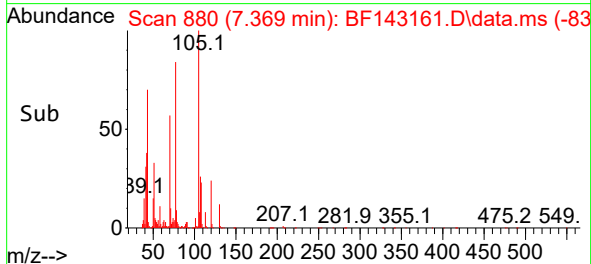
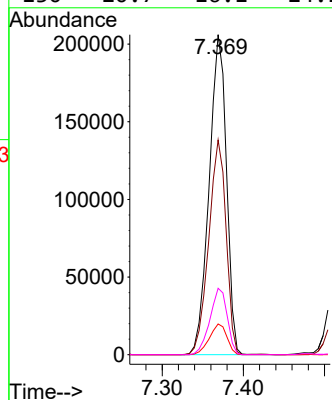
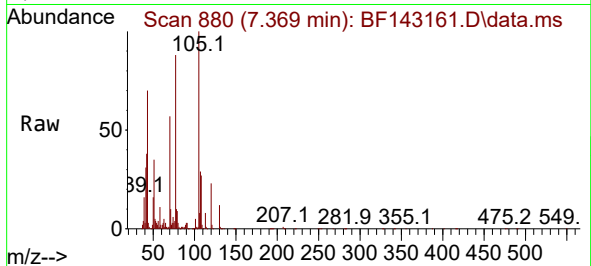




#19
n-Nitroso-di-n-propylamine
Concen: 42.792 ng
RT: 7.369 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

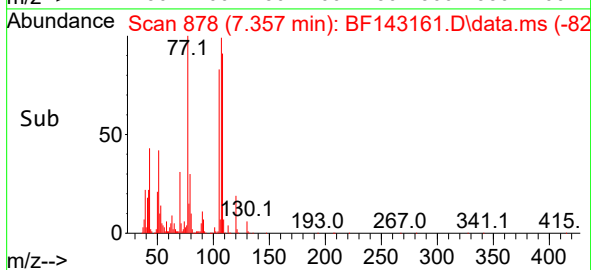
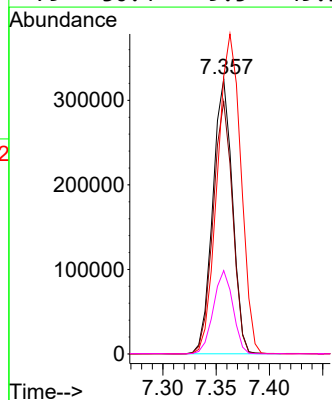
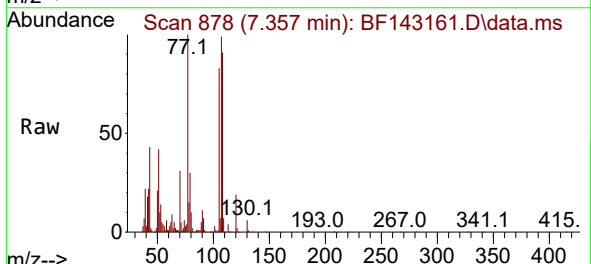
Instrument :
BNA_F
ClientSampleId :
PB168854BS

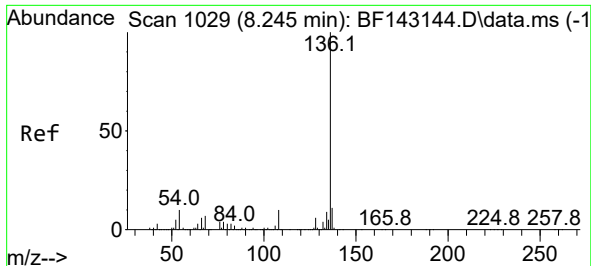
Tgt Ion:	70	Resp:	304986
Ion	Ratio	Lower	Upper
70	100		
42	67.1	52.5	78.7
101	9.6	7.6	11.4
130	20.7	16.1	24.1



#20
3+4-Methylphenols
Concen: 44.283 ng
RT: 7.357 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

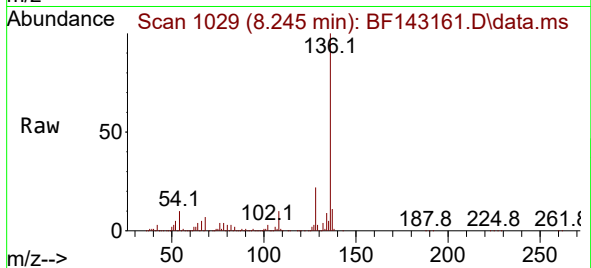
Tgt Ion:	107	Resp:	417934
Ion	Ratio	Lower	Upper
107	100		
108	91.9	70.0	110.0
77	100.9	57.8	97.8#
79	30.4	9.5	49.5





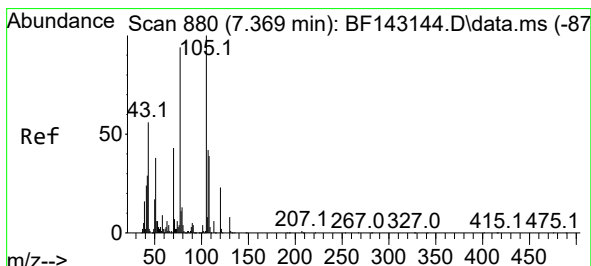
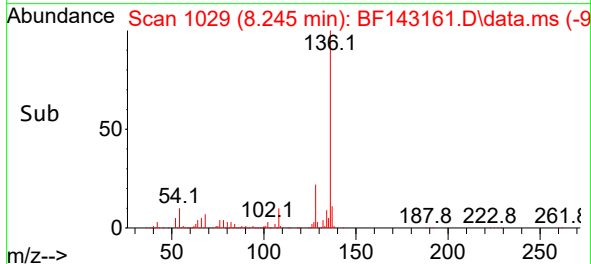
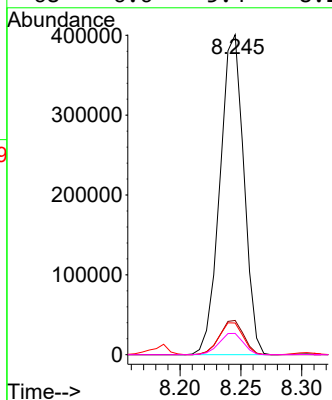
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

Instrument :
BNA_F
ClientSampleId :
PB168854BS



Tgt Ion:136 Resp: 546395

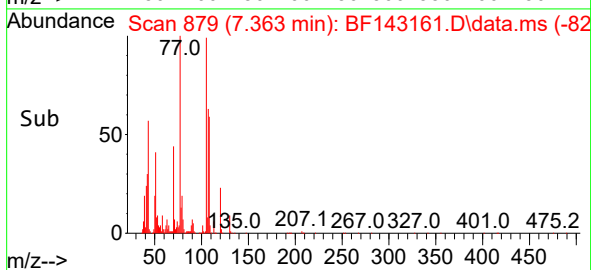
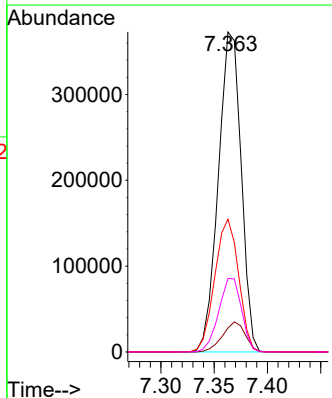
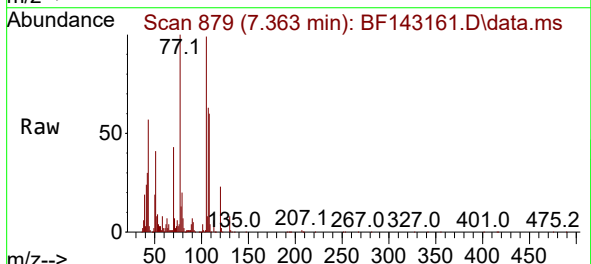
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	9.9	8.2	12.2
68	6.6	5.4	8.2

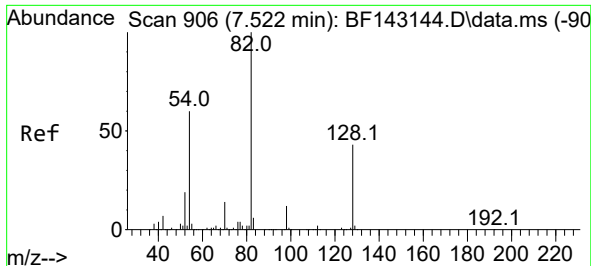


#22
Acetophenone
Concen: 42.918 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.006 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

Tgt Ion:105 Resp: 555181

Ion	Ratio	Lower	Upper
105	100		
71	7.5	5.8	8.6
51	41.5	30.2	45.2
120	23.0	18.2	27.4

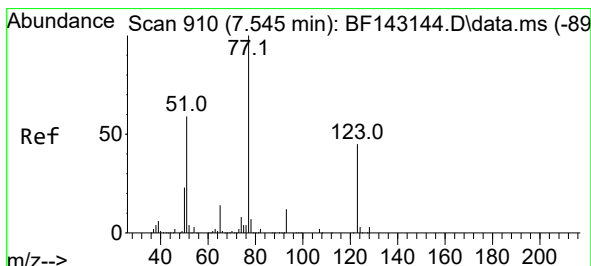
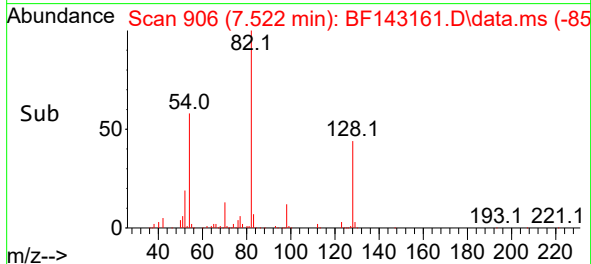
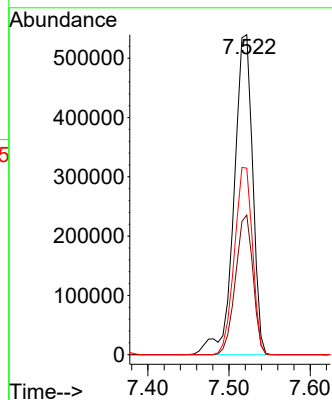
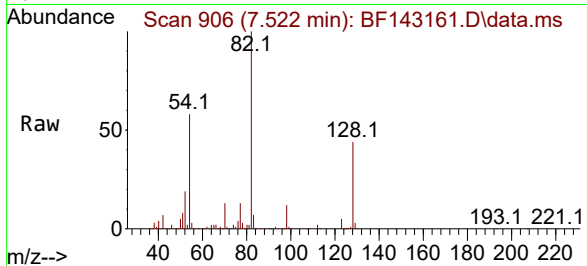




#23
Nitrobenzene-d5
Concen: 78.496 ng
RT: 7.522 min Scan# 906
Delta R.T. 0.000 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

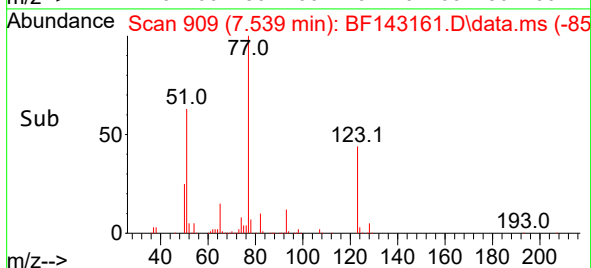
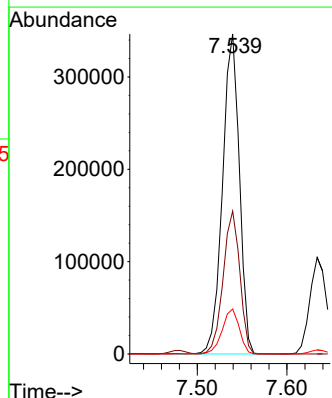
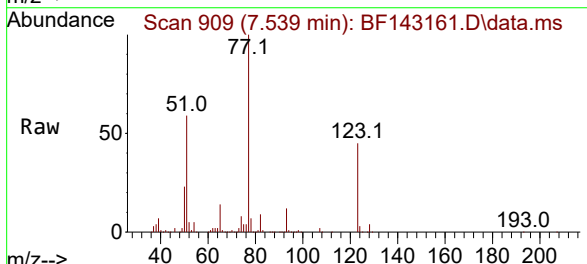
Instrument :
BNA_F
ClientSampleId :
PB168854BS

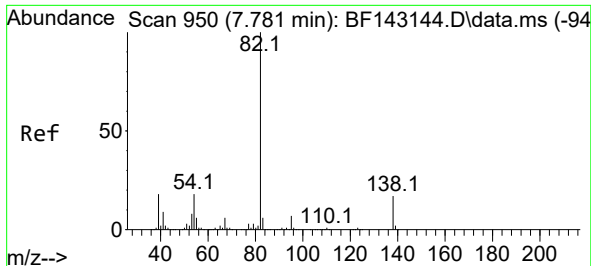
Tgt Ion: 82 Resp: 860426
Ion Ratio Lower Upper
82 100
128 43.6 33.6 50.4
54 58.3 47.1 70.7



#24
Nitrobenzene
Concen: 44.173 ng
RT: 7.539 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

Tgt Ion: 77 Resp: 451420
Ion Ratio Lower Upper
77 100
123 44.7 36.1 54.1
65 14.1 11.4 17.2

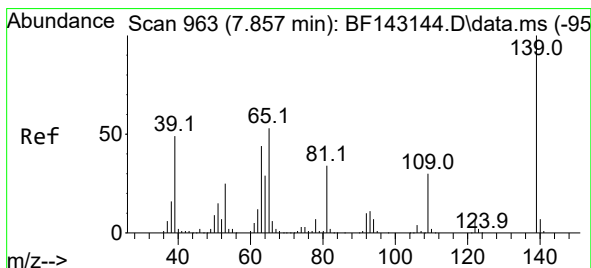
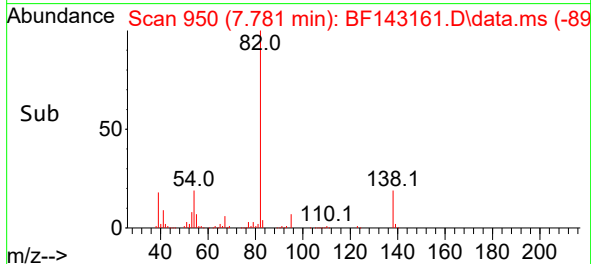
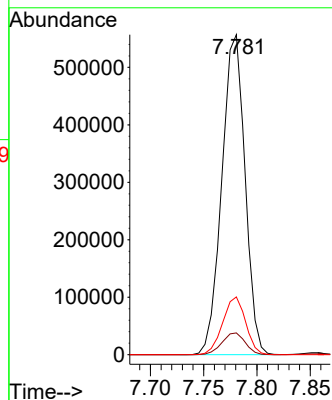
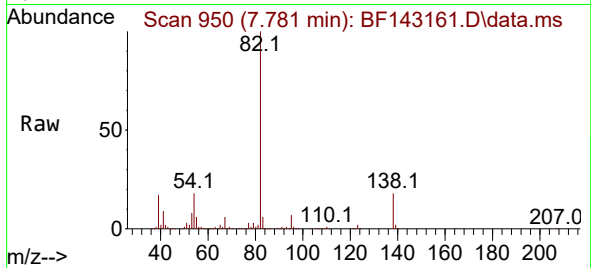




#25
Isophorone
Concen: 43.593 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.000 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

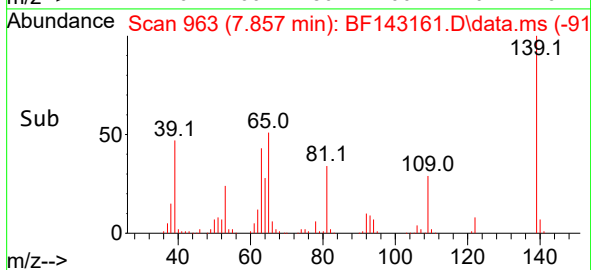
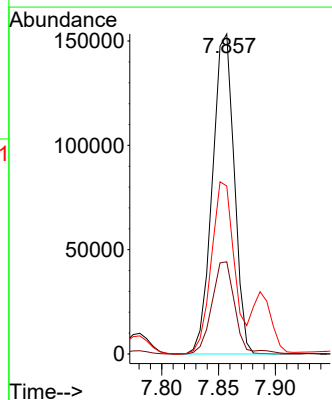
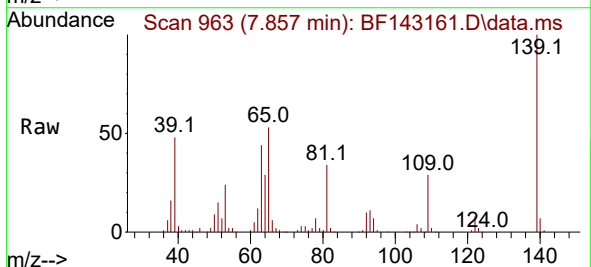
Instrument :
BNA_F
ClientSampleId :
PB168854BS

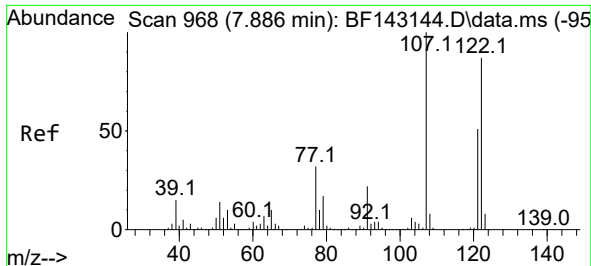
Tgt Ion: 82 Resp: 843553
Ion Ratio Lower Upper
82 100
95 6.8 5.5 8.3
138 18.0 13.8 20.8



#26
2-Nitrophenol
Concen: 46.214 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

Tgt Ion:139 Resp: 204972
Ion Ratio Lower Upper
139 100
109 28.8 23.6 35.4
65 52.5 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 43.319 ng

RT: 7.886 min Scan# 90

Delta R.T. 0.000 min

Lab File: BF143161.D

Acq: 18 Jul 2025 12:23

Instrument :

BNA_F

ClientSampleId :

PB168854BS

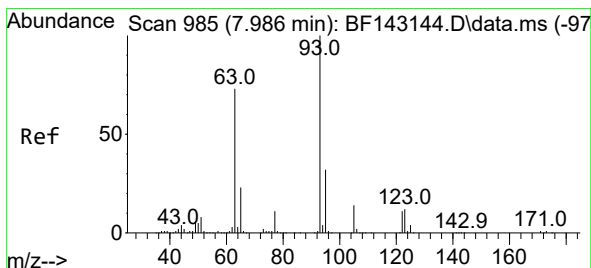
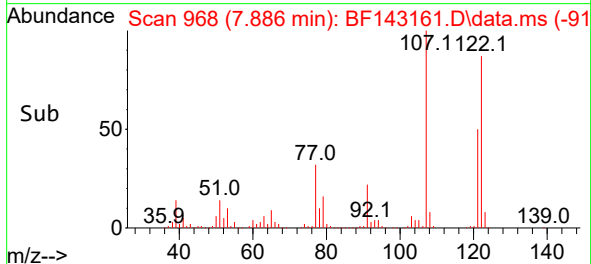
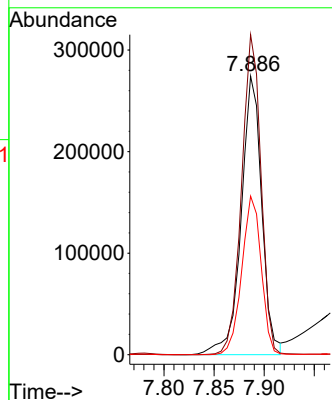
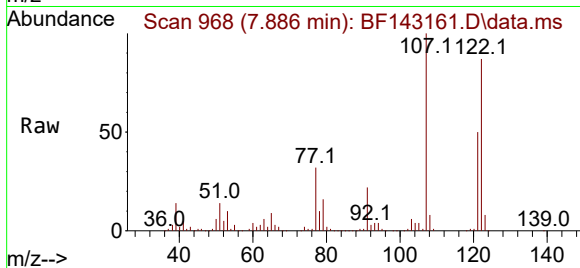
Tgt Ion:122 Resp: 391636

Ion Ratio Lower Upper

122 100

107 114.9 91.8 137.6

121 56.9 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 43.341 ng

RT: 7.986 min Scan# 985

Delta R.T. 0.000 min

Lab File: BF143161.D

Acq: 18 Jul 2025 12:23

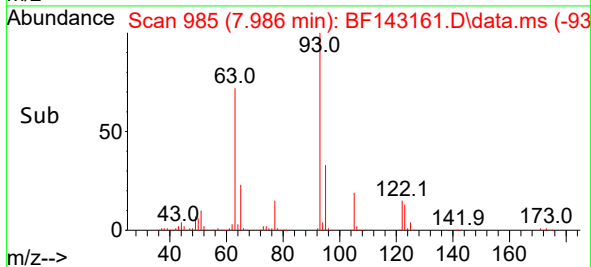
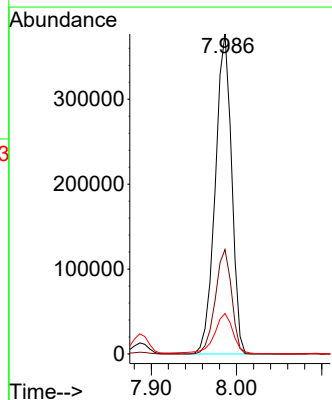
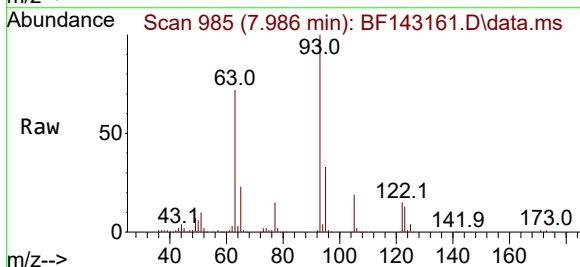
Tgt Ion: 93 Resp: 502839

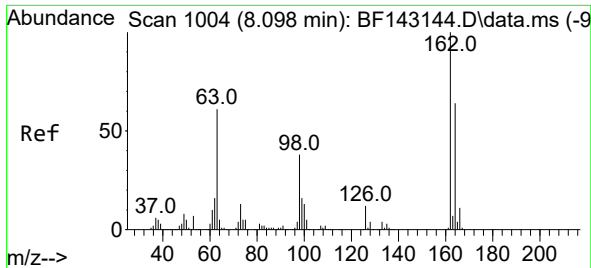
Ion Ratio Lower Upper

93 100

95 32.7 25.8 38.6

123 12.6 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 43.623 ng

RT: 8.092 min Scan# 1003

Delta R.T. -0.006 min

Lab File: BF143161.D

Acq: 18 Jul 2025 12:23

Instrument :

BNA_F

ClientSampleId :

PB168854BS

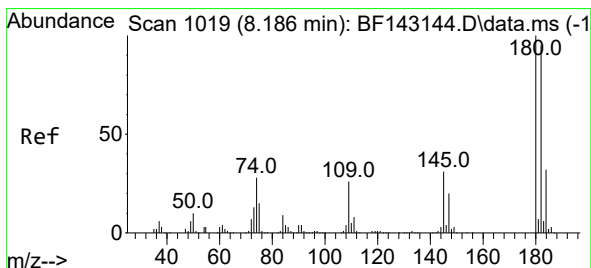
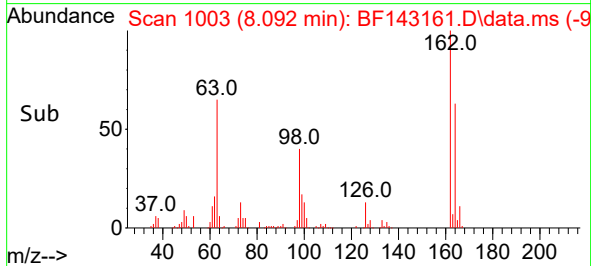
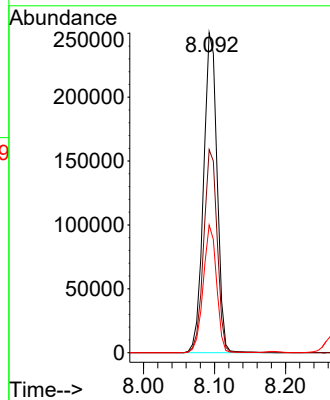
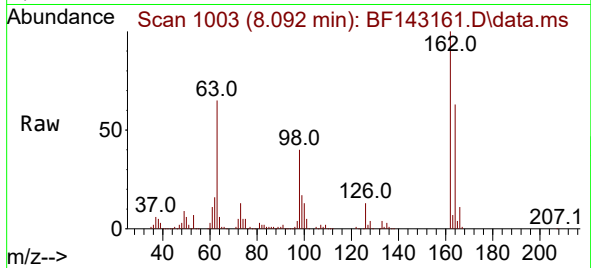
Tgt Ion:162 Resp: 332594

Ion Ratio Lower Upper

162 100

164 63.5 44.2 84.2

98 39.9 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 43.177 ng

RT: 8.181 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF143161.D

Acq: 18 Jul 2025 12:23

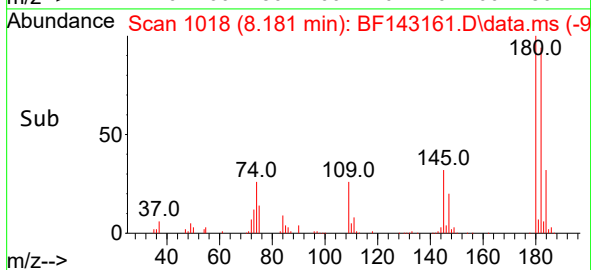
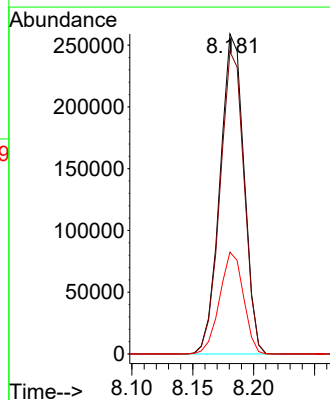
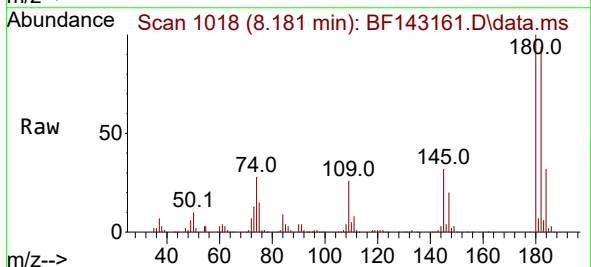
Tgt Ion:180 Resp: 355643

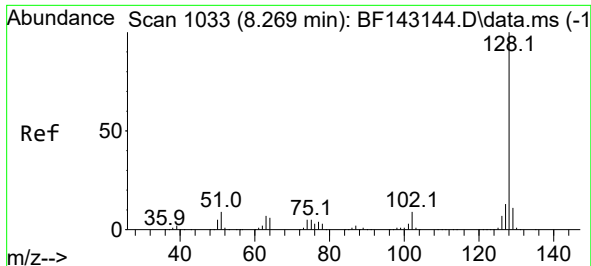
Ion Ratio Lower Upper

180 100

182 94.5 76.2 114.2

145 31.9 25.0 37.6

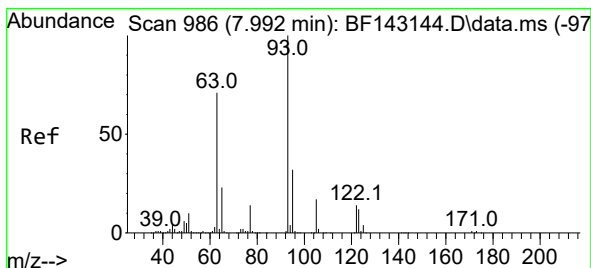
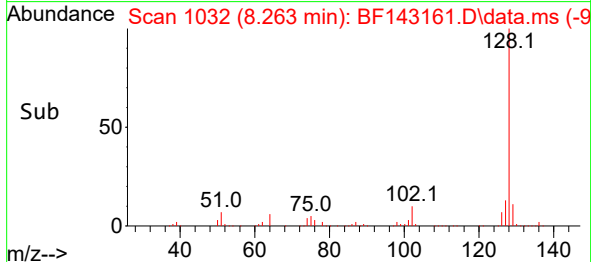
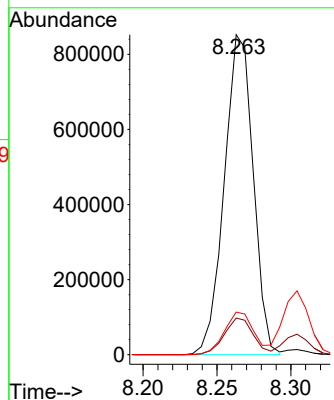
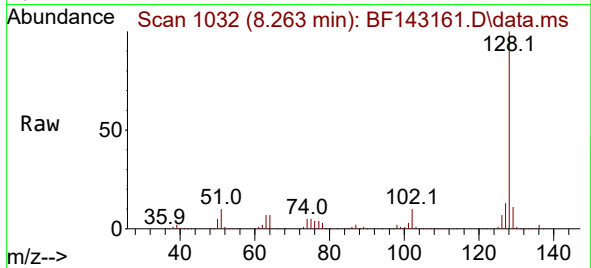




#31
Naphthalene
Concen: 43.115 ng m
RT: 8.263 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

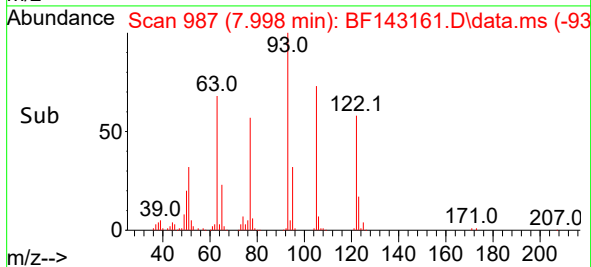
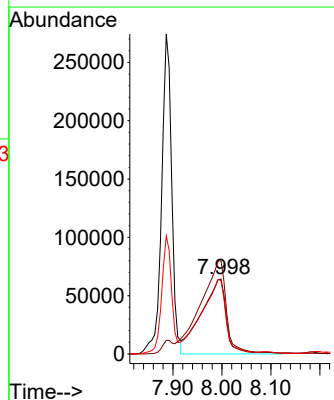
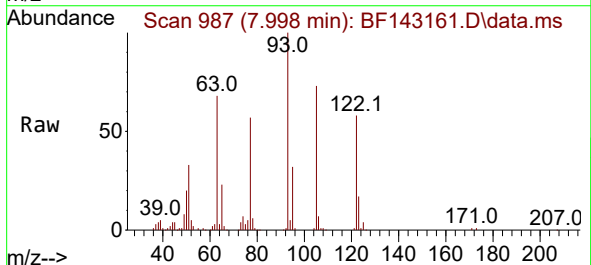
Instrument :
BNA_F
ClientSampleId :
PB168854BS

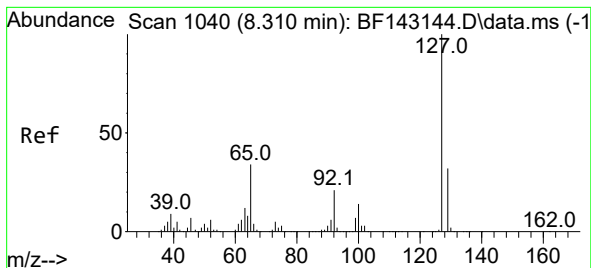
Tgt Ion:128 Resp: 1160186
Ion Ratio Lower Upper
128 100
129 11.5 9.0 13.4
127 13.3 10.6 16.0



#32
Benzoic acid
Concen: 45.714 ng m
RT: 7.998 min Scan# 987
Delta R.T. 0.006 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

Tgt Ion:122 Resp: 231397
Ion Ratio Lower Upper
122 100
105 124.7 104.8 144.8
77 98.1 77.6 117.6





#33

4-Chloroaniline

Concen: 19.543 ng

RT: 8.304 min Scan# 1039

Delta R.T. -0.006 min

Lab File: BF143161.D

Acq: 18 Jul 2025 12:23

Instrument :

BNA_F

ClientSampleId :

PB168854BS

Tgt Ion:127 Resp: 214732

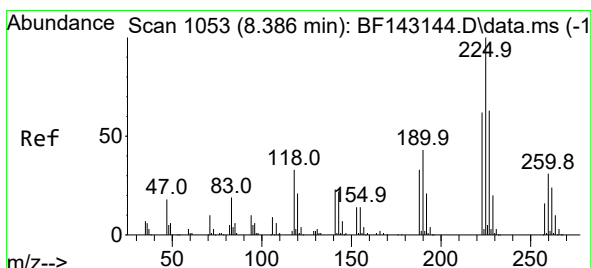
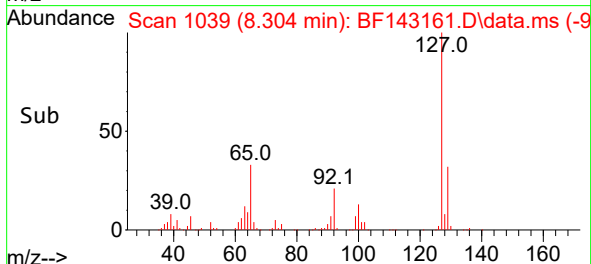
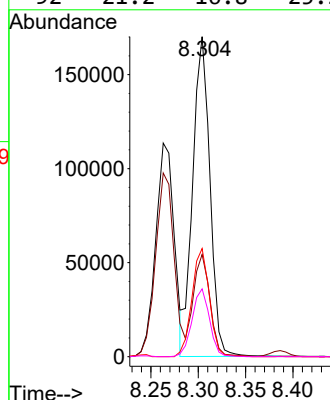
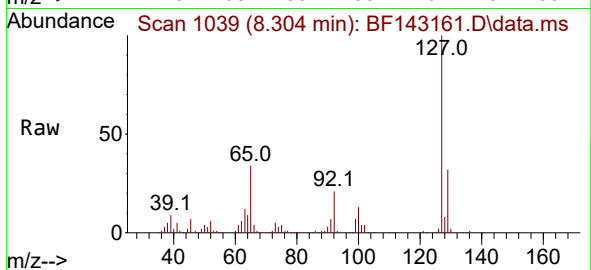
Ion Ratio Lower Upper

127 100

129 32.0 26.0 39.0

65 33.8 27.4 41.2

92 21.2 16.8 25.2



#34

Hexachlorobutadiene

Concen: 42.873 ng

RT: 8.386 min Scan# 1053

Delta R.T. 0.000 min

Lab File: BF143161.D

Acq: 18 Jul 2025 12:23

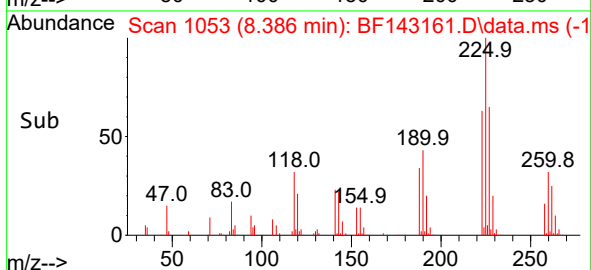
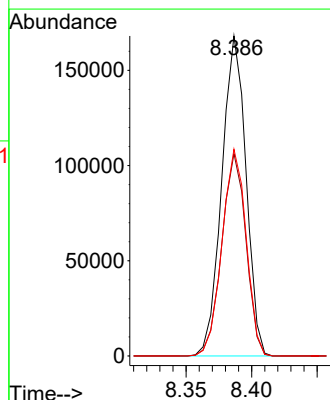
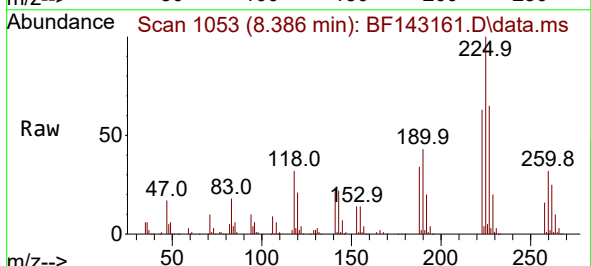
Tgt Ion:225 Resp: 215725

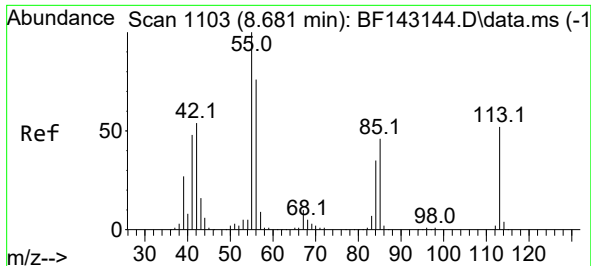
Ion Ratio Lower Upper

225 100

223 63.2 49.8 74.6

227 64.6 50.2 75.4

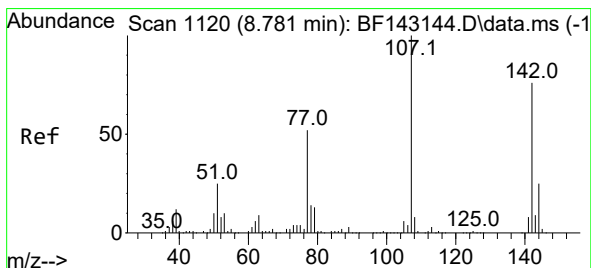
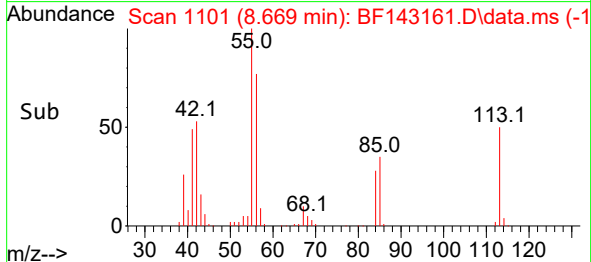
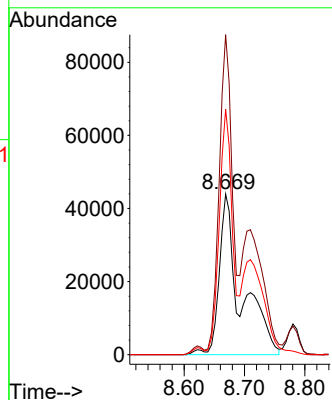
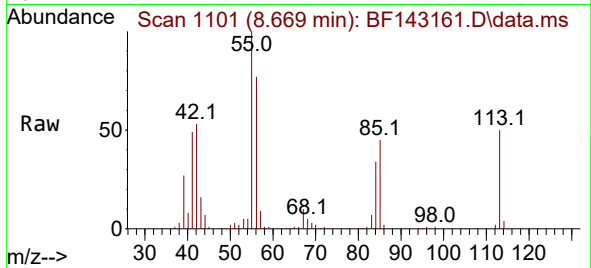




#35
 Caprolactam
 Concen: 47.819 ng m
 RT: 8.669 min Scan# 1101
 Delta R.T. -0.012 min
 Lab File: BF143161.D
 Acq: 18 Jul 2025 12:23

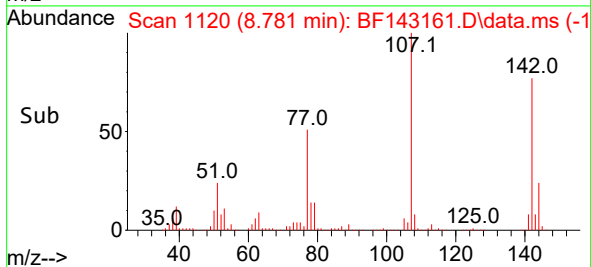
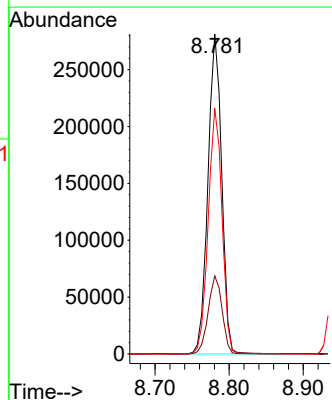
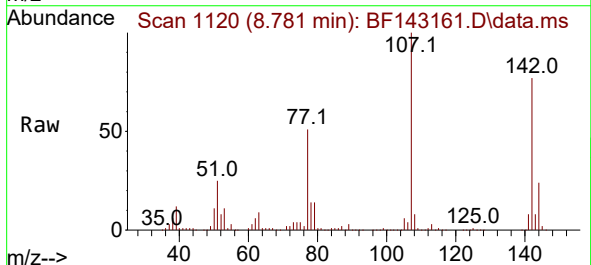
Instrument :
 BNA_F
 ClientSampleId :
 PB168854BS

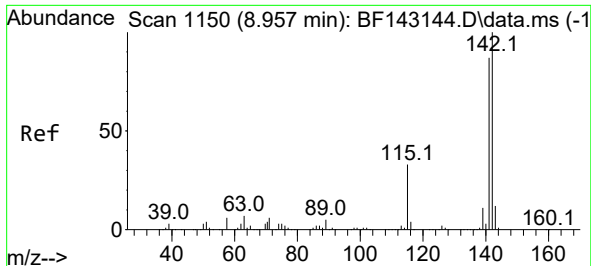
Tgt Ion:113 Resp: 110171
 Ion Ratio Lower Upper
 113 100
 55 199.3 174.0 214.0
 56 152.9 126.6 166.6



#36
 4-Chloro-3-methylphenol
 Concen: 43.830 ng
 RT: 8.781 min Scan# 1120
 Delta R.T. 0.000 min
 Lab File: BF143161.D
 Acq: 18 Jul 2025 12:23

Tgt Ion:107 Resp: 363215
 Ion Ratio Lower Upper
 107 100
 144 24.4 19.8 29.6
 142 76.8 60.6 90.8

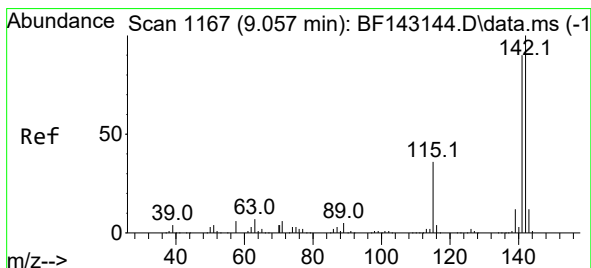
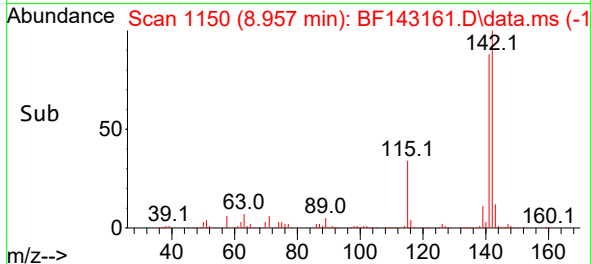
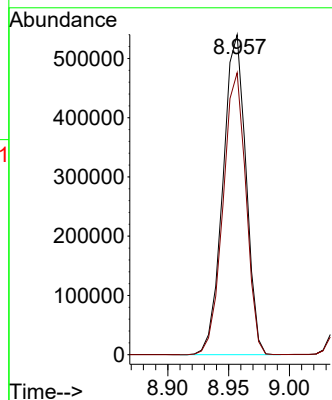
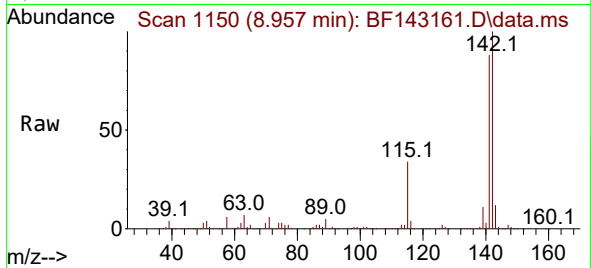




#37
2-Methylnaphthalene
Concen: 43.404 ng
RT: 8.957 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

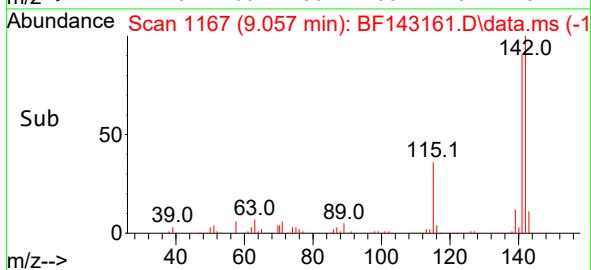
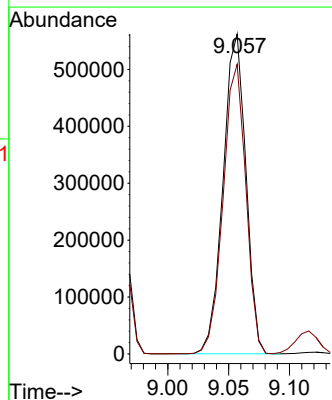
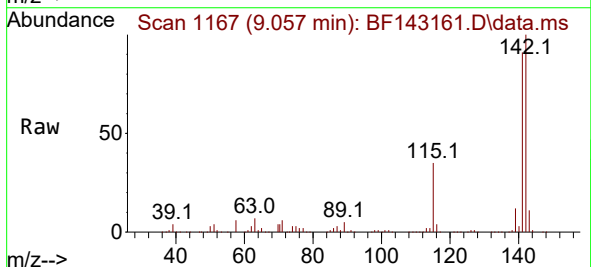
Instrument :
BNA_F
ClientSampleId :
PB168854BS

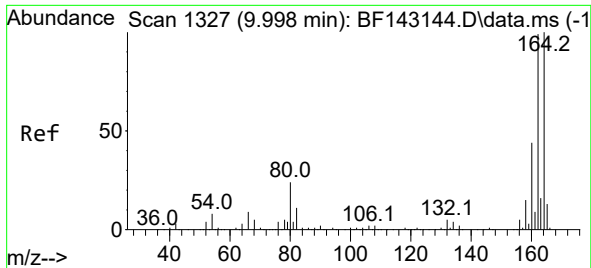
Tgt Ion:142 Resp: 710734
Ion Ratio Lower Upper
142 100
141 88.1 69.9 104.9



#38
1-Methylnaphthalene
Concen: 43.429 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

Tgt Ion:142 Resp: 732289
Ion Ratio Lower Upper
142 100
141 90.5 72.3 108.5

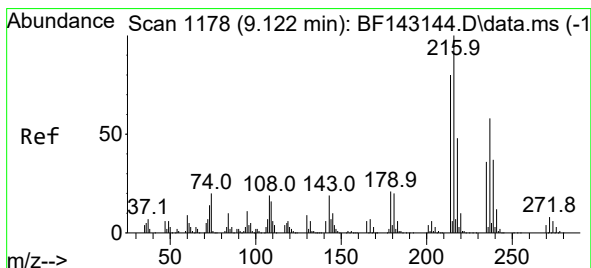
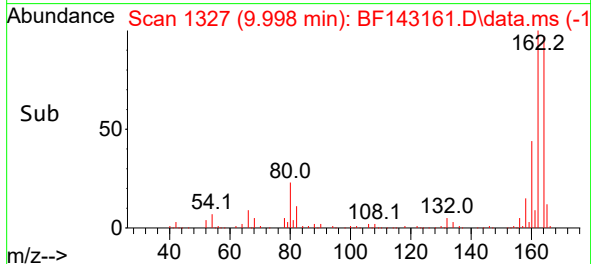
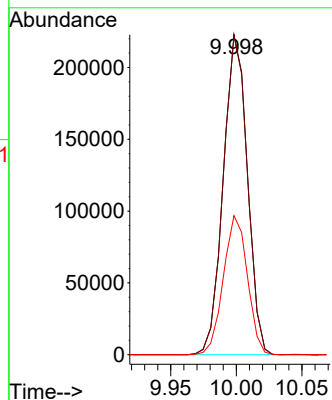
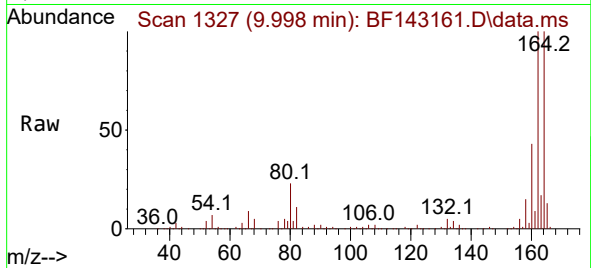




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

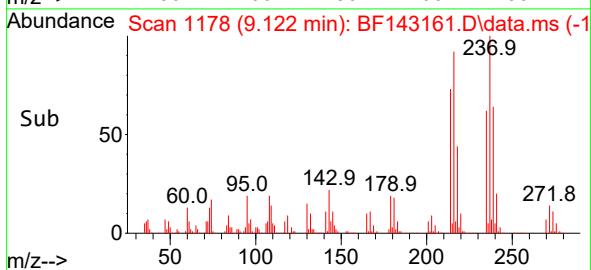
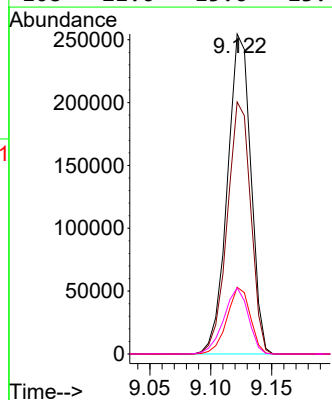
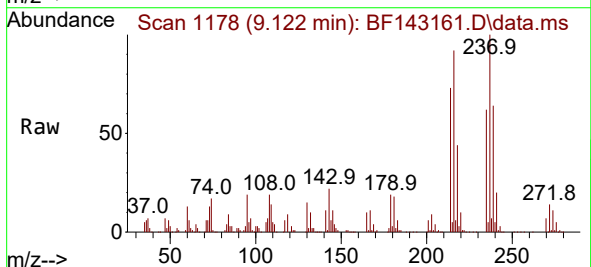
Instrument :
BNA_F
ClientSampleId :
PB168854BS

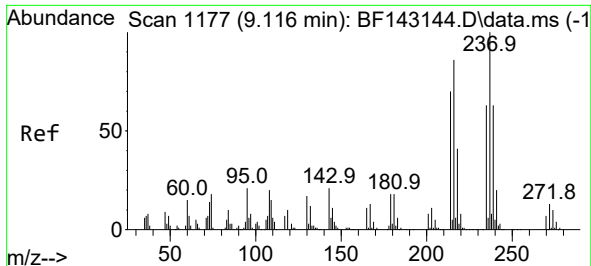
Tgt Ion:164 Resp: 284388
Ion Ratio Lower Upper
164 100
162 99.6 79.0 118.6
160 43.5 35.1 52.7



#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.612 ng
RT: 9.122 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

Tgt Ion:216 Resp: 341661
Ion Ratio Lower Upper
216 100
214 78.7 63.8 95.8
179 20.6 16.4 24.6
108 21.6 15.6 23.4

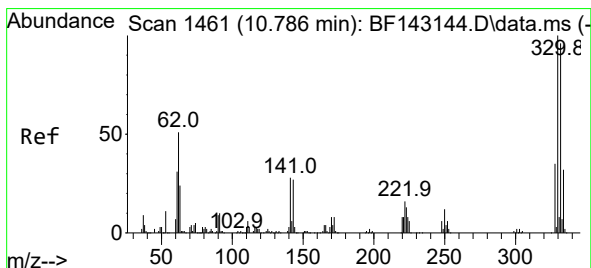
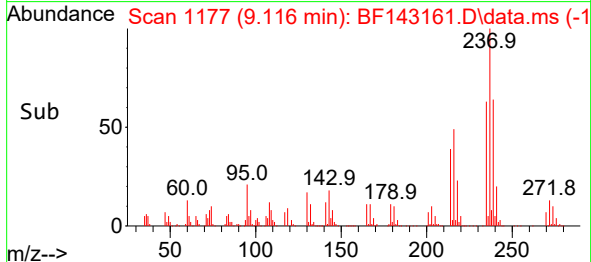
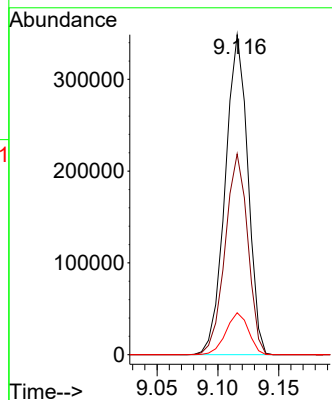
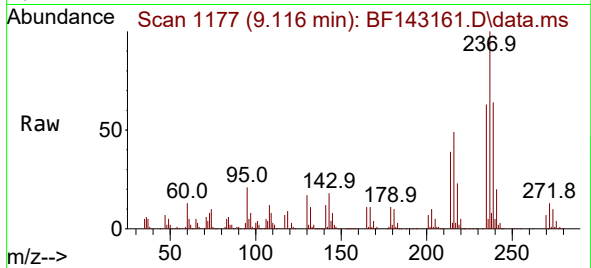




#41
Hexachlorocyclopentadiene
Concen: 84.396 ng
RT: 9.116 min Scan# 1177
Delta R.T. 0.000 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

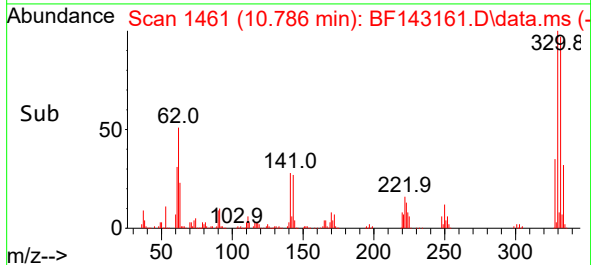
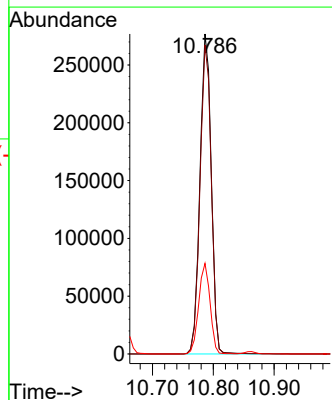
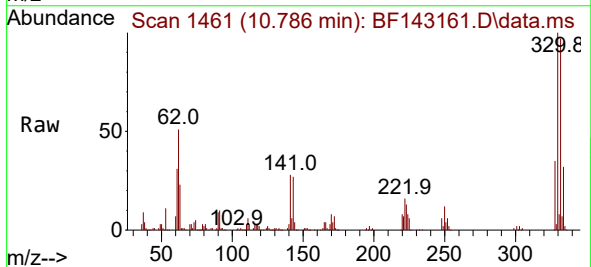
Instrument :
BNA_F
ClientSampleId :
PB168854BS

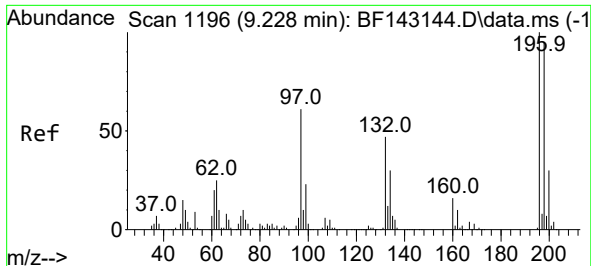
Tgt Ion:237 Resp: 450878
Ion Ratio Lower Upper
237 100
235 62.8 43.0 83.0
272 13.1 0.0 33.3



#42
2,4,6-Tribromophenol
Concen: 121.154 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

Tgt Ion:330 Resp: 355938
Ion Ratio Lower Upper
330 100
332 96.4 76.7 115.1
141 28.5 23.3 34.9

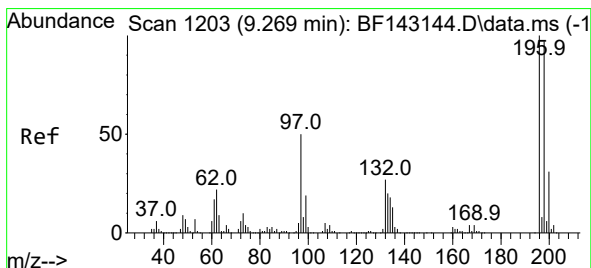
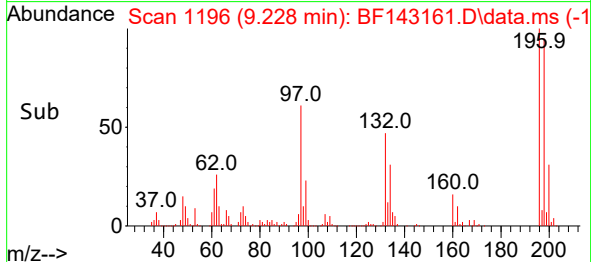
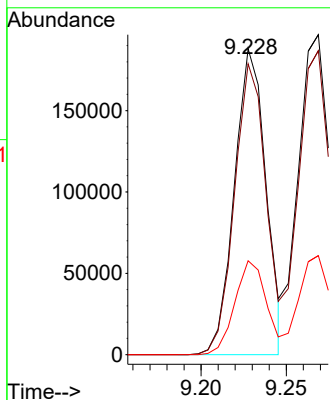
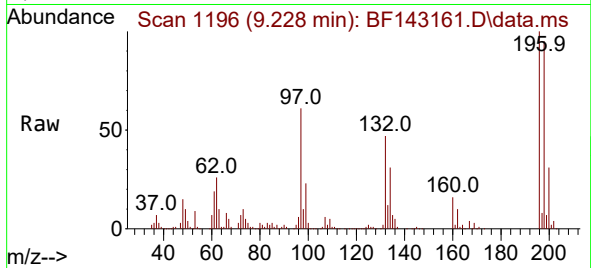




#43
2,4,6-Trichlorophenol
Concen: 42.564 ng
RT: 9.228 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

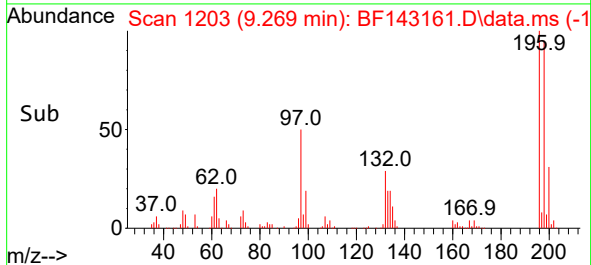
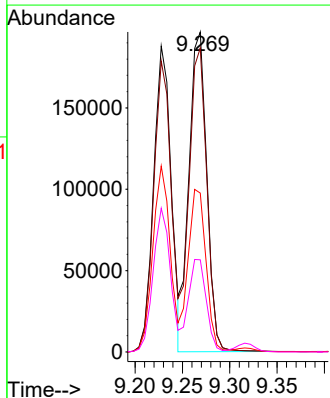
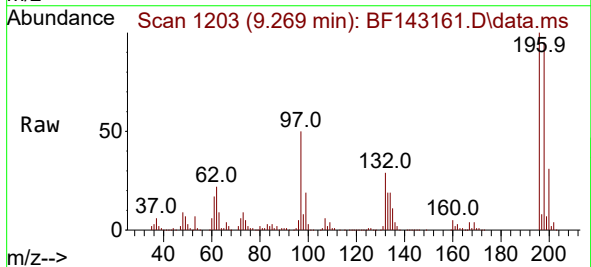
Instrument :
BNA_F
ClientSampleId :
PB168854BS

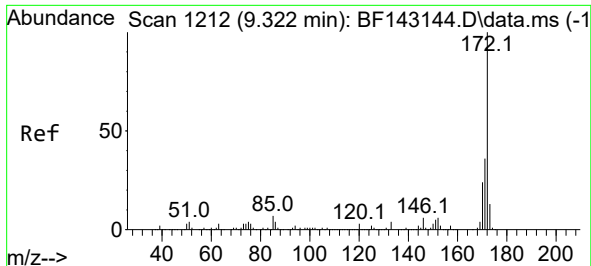
Tgt Ion:196 Resp: 241865
Ion Ratio Lower Upper
196 100
198 95.1 76.2 114.2
200 30.7 23.9 35.9



#44
2,4,5-Trichlorophenol
Concen: 45.277 ng
RT: 9.269 min Scan# 1203
Delta R.T. 0.000 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

Tgt Ion:196 Resp: 257361
Ion Ratio Lower Upper
196 100
198 95.0 77.3 115.9
97 49.7 40.3 60.5
132 28.8 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 73.311 ng

RT: 9.316 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF143161.D

Acq: 18 Jul 2025 12:23

Instrument :

BNA_F

ClientSampleId :

PB168854BS

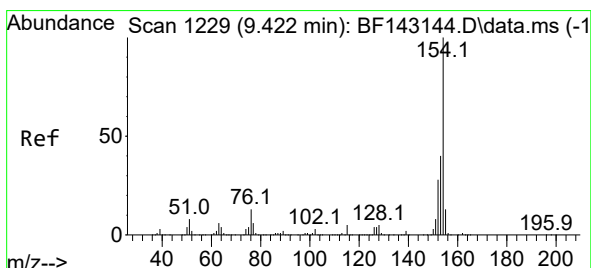
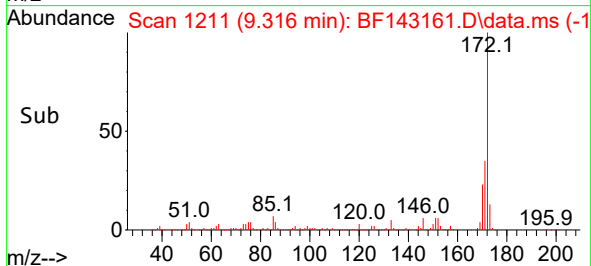
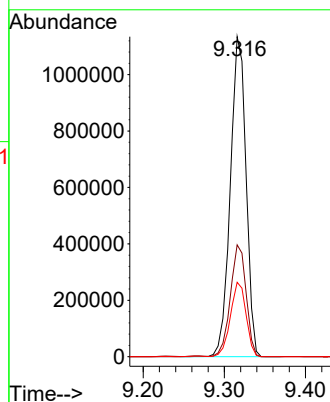
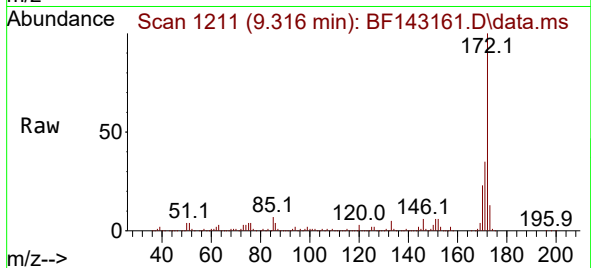
Tgt Ion:172 Resp: 1524454

Ion Ratio Lower Upper

172 100

171 35.0 28.6 42.8

170 23.3 18.8 28.2



#46

1,1'-Biphenyl

Concen: 43.110 ng

RT: 9.422 min Scan# 1229

Delta R.T. 0.000 min

Lab File: BF143161.D

Acq: 18 Jul 2025 12:23

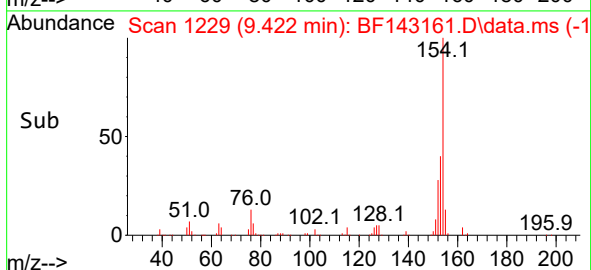
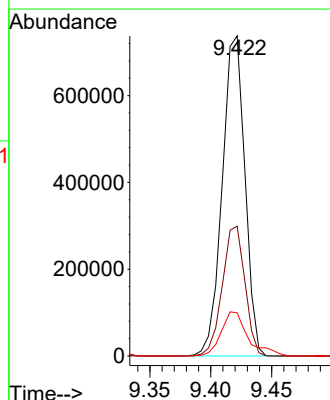
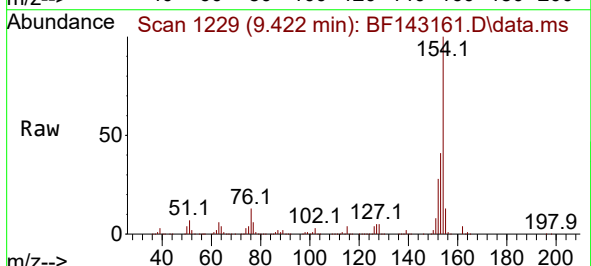
Tgt Ion:154 Resp: 956516

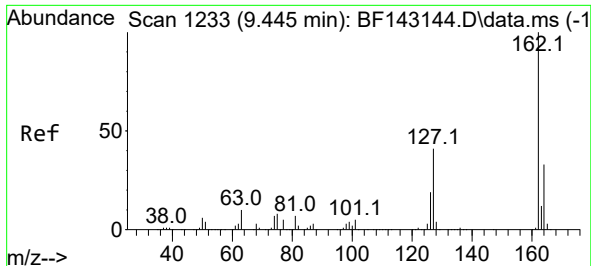
Ion Ratio Lower Upper

154 100

153 40.5 20.3 60.3

76 13.5 0.0 33.3





#47

2-Chloronaphthalene

Concen: 42.428 ng

RT: 9.445 min Scan# 1233

Delta R.T. 0.000 min

Lab File: BF143161.D

Acq: 18 Jul 2025 12:23

Instrument :

BNA_F

ClientSampleId :

PB168854BS

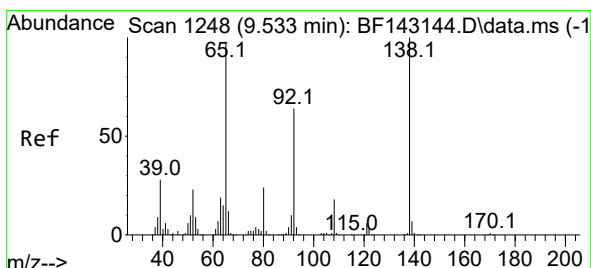
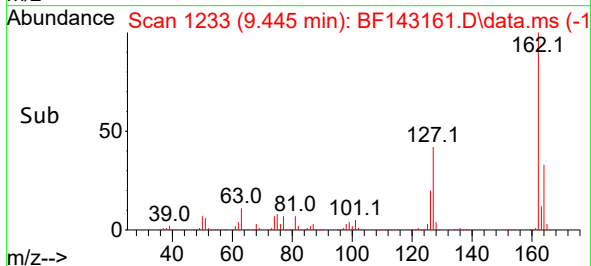
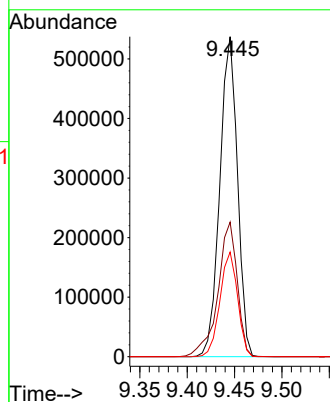
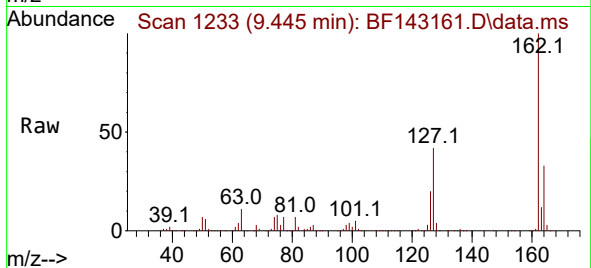
Tgt Ion:162 Resp: 696563

Ion Ratio Lower Upper

162 100

127 42.0 33.4 50.2

164 32.7 26.2 39.2



#48

2-Nitroaniline

Concen: 46.550 ng

RT: 9.528 min Scan# 1247

Delta R.T. -0.006 min

Lab File: BF143161.D

Acq: 18 Jul 2025 12:23

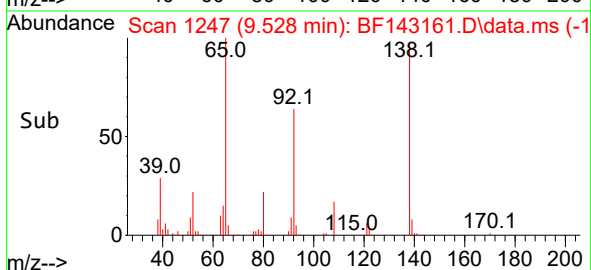
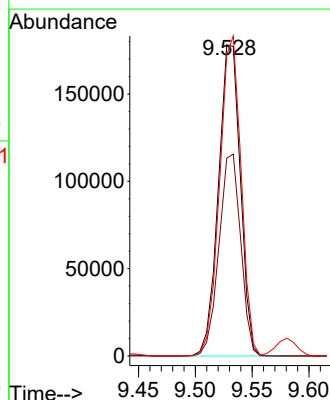
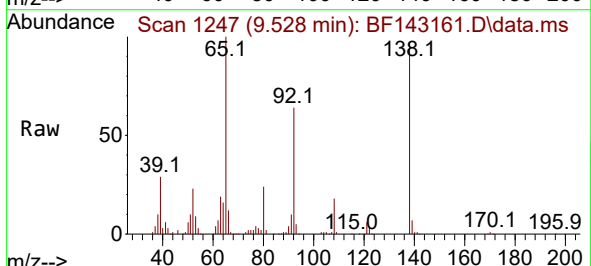
Tgt Ion: 65 Resp: 239661

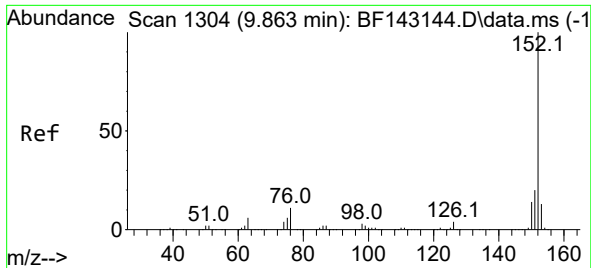
Ion Ratio Lower Upper

65 100

92 63.5 52.4 78.6

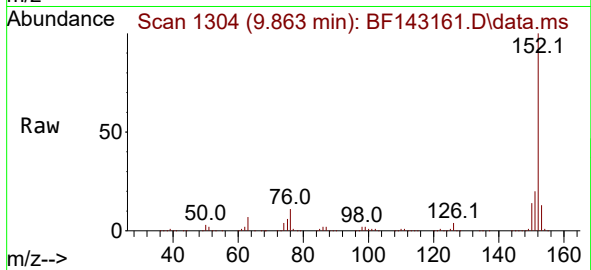
138 96.8 82.3 123.5



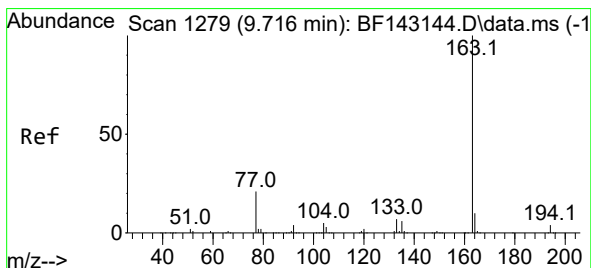
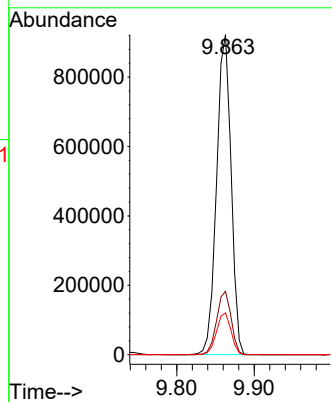
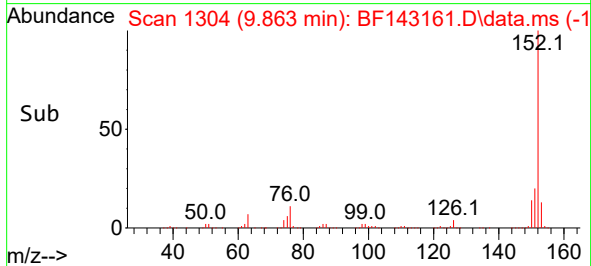


#49
Acenaphthylene
Concen: 43.518 ng
RT: 9.863 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

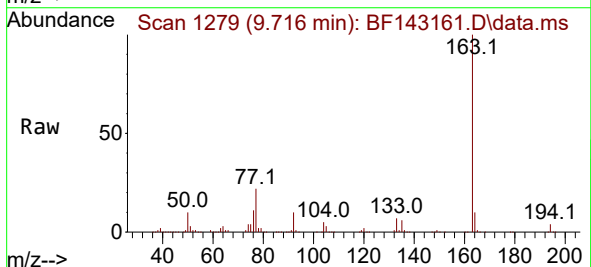
Instrument :
BNA_F
ClientSampleId :
PB168854BS



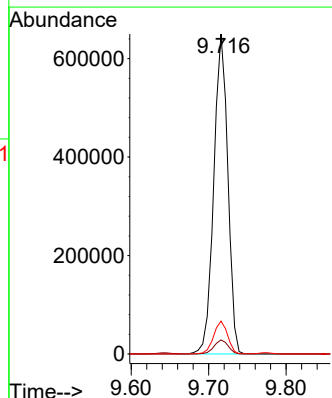
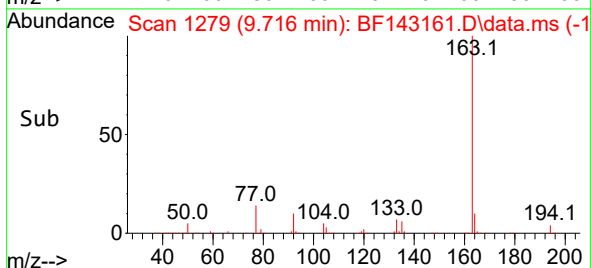
Tgt Ion:152 Resp: 1197301
Ion Ratio Lower Upper
152 100
151 19.8 16.2 24.2
153 13.0 10.6 16.0

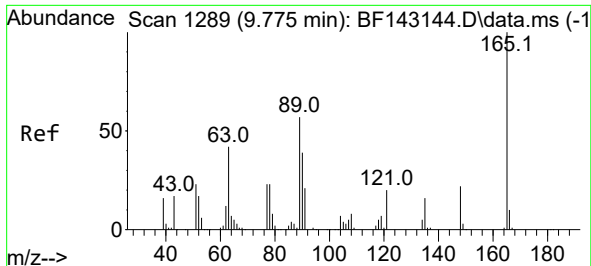


#50
Dimethylphthalate
Concen: 44.183 ng
RT: 9.716 min Scan# 1279
Delta R.T. 0.000 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23



Tgt Ion:163 Resp: 819026
Ion Ratio Lower Upper
163 100
194 4.4 3.4 5.2
164 10.2 8.3 12.5

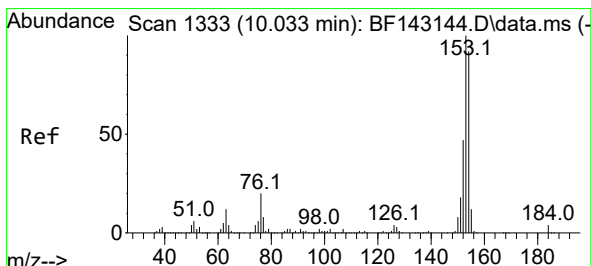
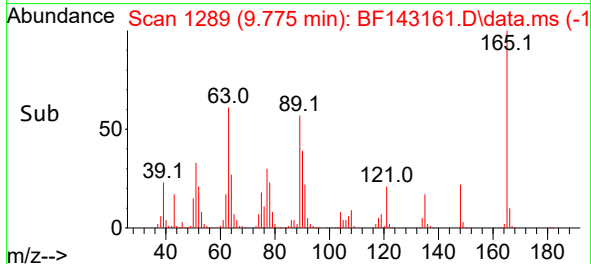
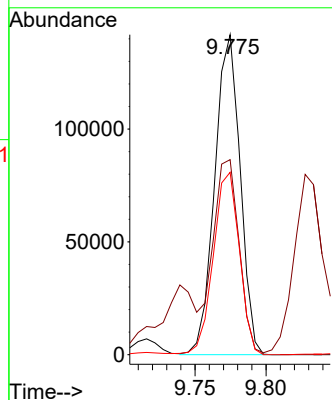
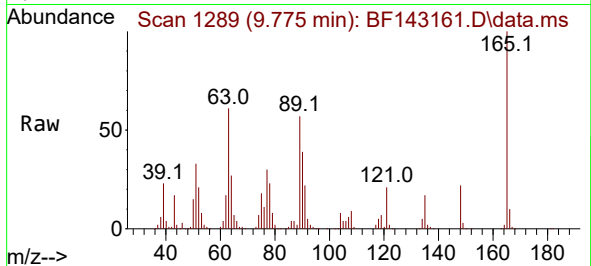




#51
2,6-Dinitrotoluene
Concen: 46.909 ng
RT: 9.775 min Scan# 1289
Delta R.T. 0.000 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

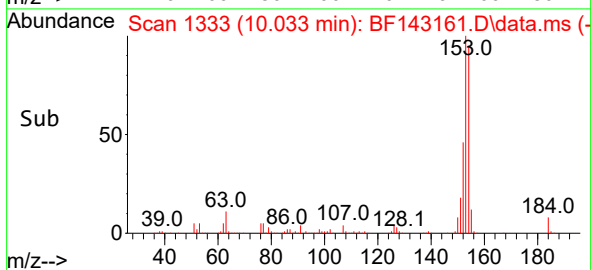
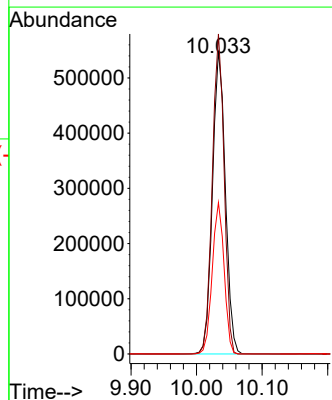
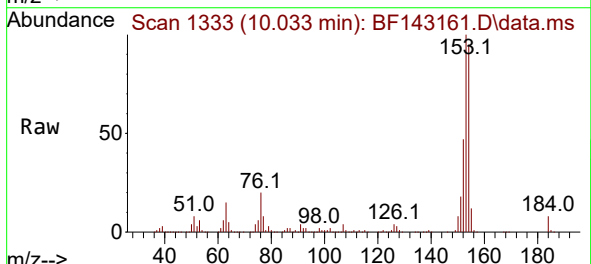
Instrument :
BNA_F
ClientSampleId :
PB168854BS

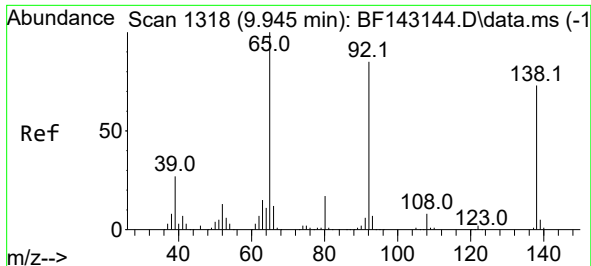
Tgt Ion:165 Resp: 176895
Ion Ratio Lower Upper
165 100
63 60.9 49.4 74.2
89 57.0 46.2 69.2



#52
Acenaphthene
Concen: 46.024 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

Tgt Ion:154 Resp: 748426
Ion Ratio Lower Upper
154 100
153 105.6 86.6 129.8
152 50.0 40.4 60.6

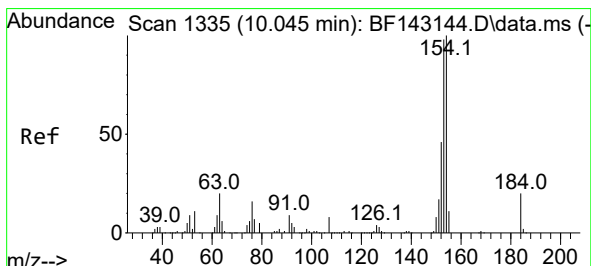
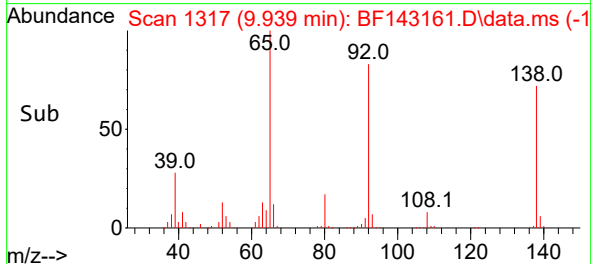
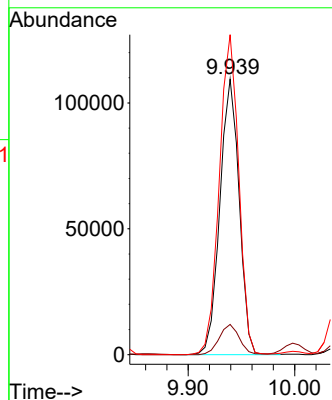
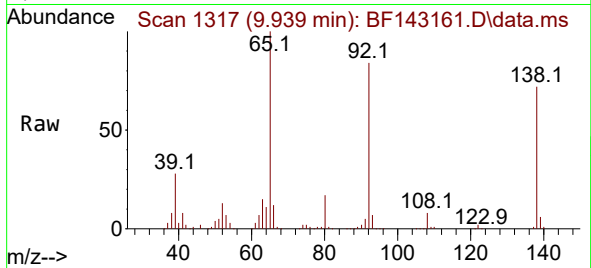




#53
3-Nitroaniline
Concen: 31.102 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

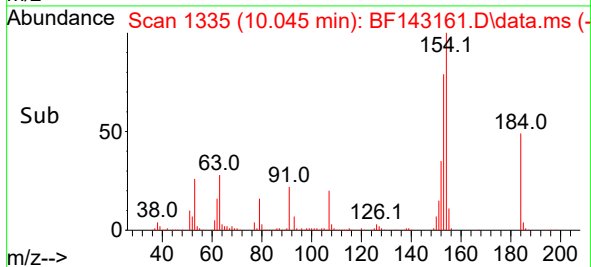
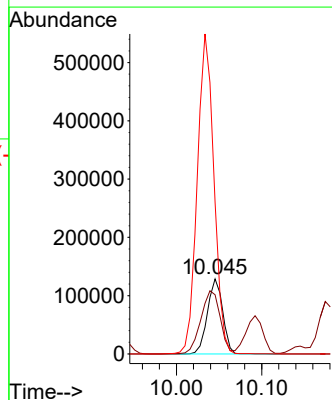
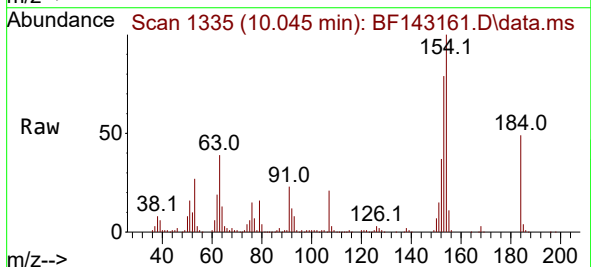
Instrument :
BNA_F
ClientSampleId :
PB168854BS

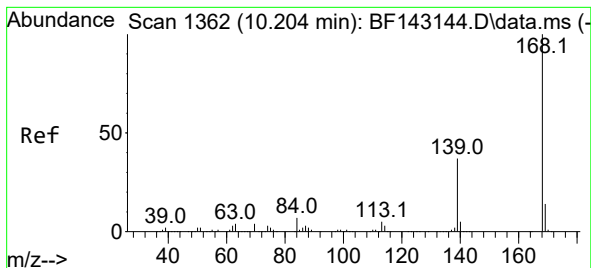
Tgt Ion:138 Resp: 137184
Ion Ratio Lower Upper
138 100
108 11.0 9.0 13.6
92 116.2 93.0 139.4



#54
2,4-Dinitrophenol
Concen: 92.697 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

Tgt Ion:184 Resp: 160402
Ion Ratio Lower Upper
184 100
63 78.9 81.8 122.6#
154 202.4 412.2 618.4#





#55

Dibenzenofuran

Concen: 42.999 ng

RT: 10.204 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143161.D

Acq: 18 Jul 2025 12:23

Instrument :

BNA_F

ClientSampleId :

PB168854BS

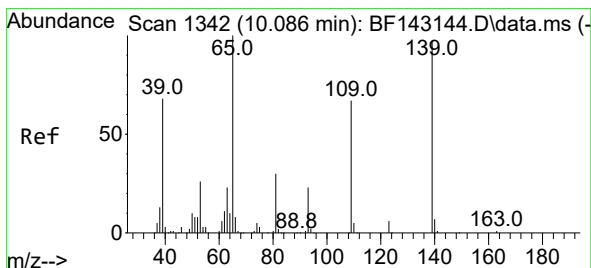
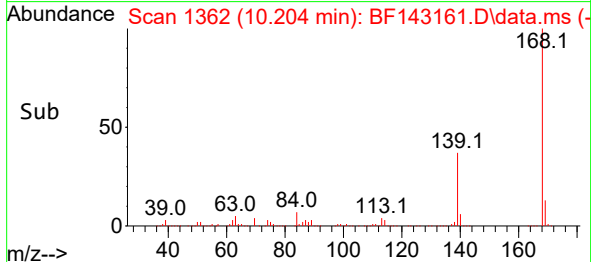
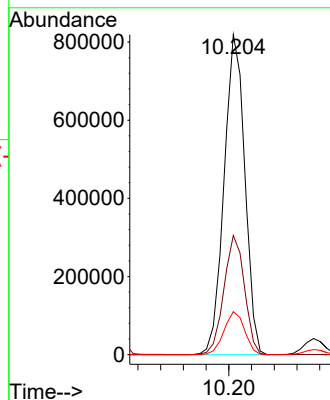
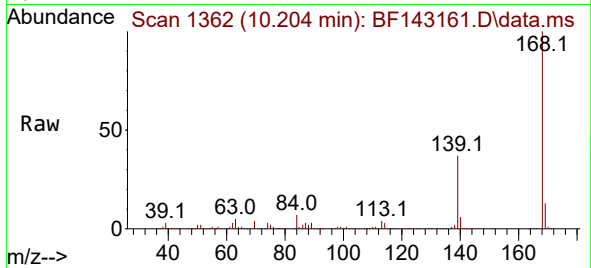
Tgt Ion:168 Resp: 1038123

Ion Ratio Lower Upper

168 100

139 37.3 29.5 44.3

169 13.5 10.9 16.3



#56

4-Nitrophenol

Concen: 90.352 ng

RT: 10.092 min Scan# 1343

Delta R.T. 0.006 min

Lab File: BF143161.D

Acq: 18 Jul 2025 12:23

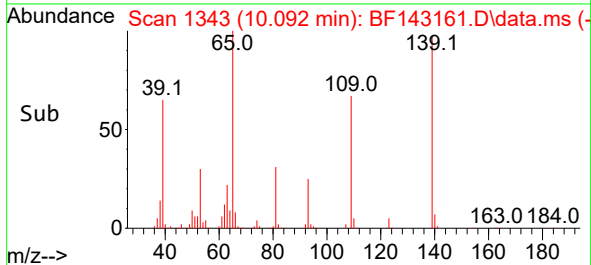
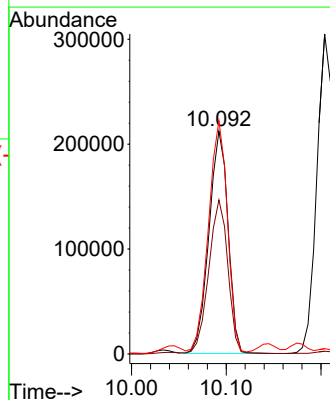
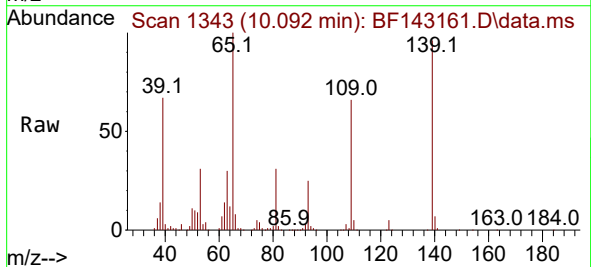
Tgt Ion:139 Resp: 297598

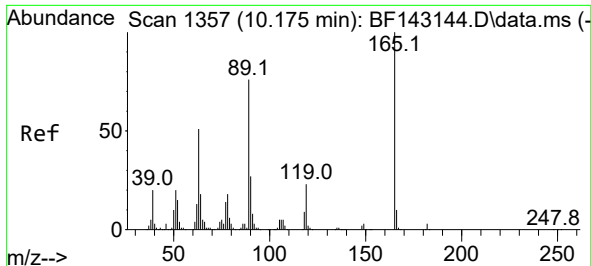
Ion Ratio Lower Upper

139 100

109 69.1 48.5 88.5

65 104.6 83.4 123.4

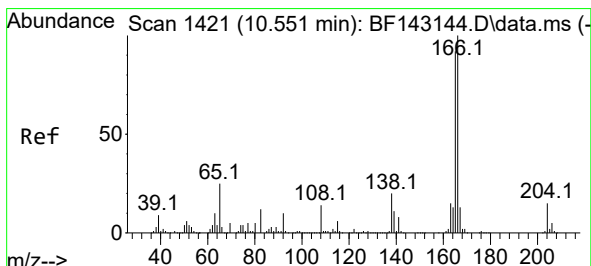
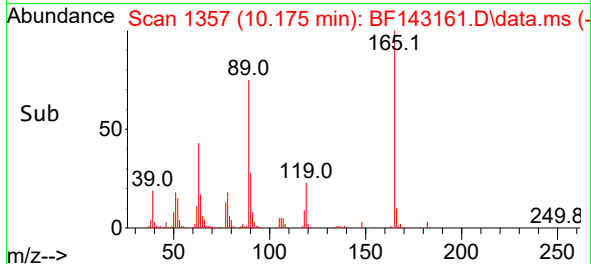
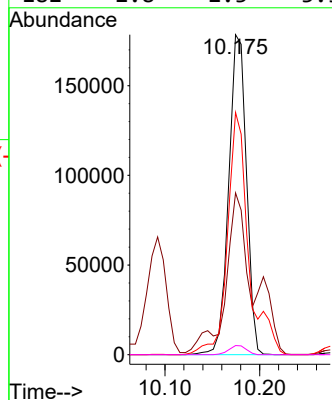
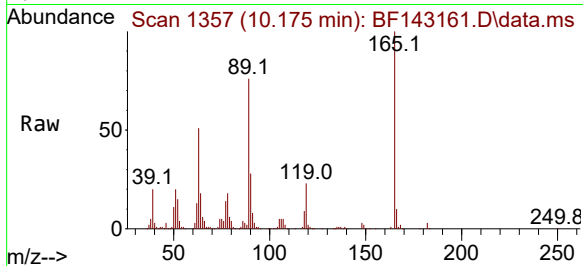




#57
2,4-Dinitrotoluene
Concen: 49.072 ng
RT: 10.175 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

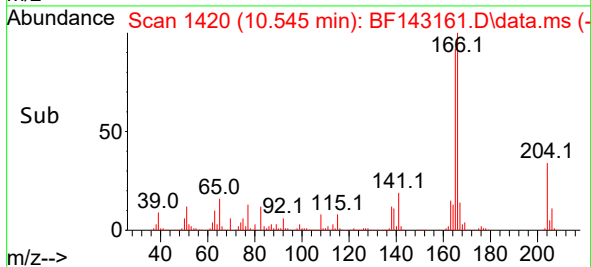
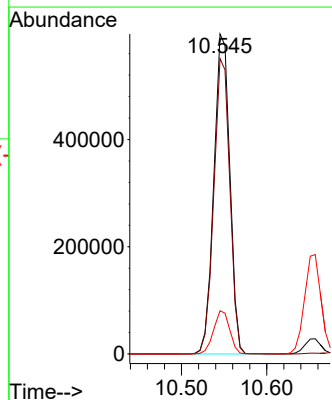
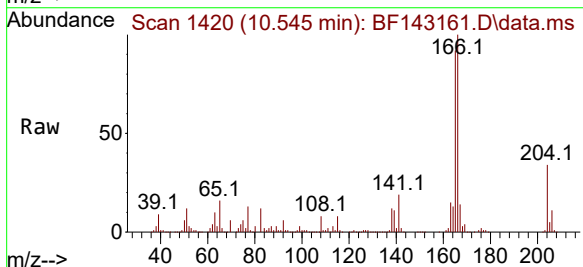
Instrument :
BNA_F
ClientSampleId :
PB168854BS

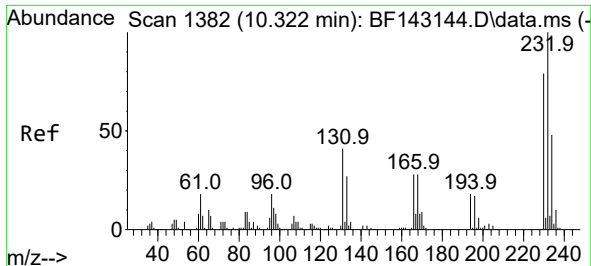
Tgt Ion:165 Resp: 232168
Ion Ratio Lower Upper
165 100
63 50.5 41.0 61.4
89 75.7 61.1 91.7
182 2.8 2.3 3.5



#58
Fluorene
Concen: 42.959 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

Tgt Ion:166 Resp: 778409
Ion Ratio Lower Upper
166 100
165 92.3 73.7 110.5
167 13.5 10.6 16.0

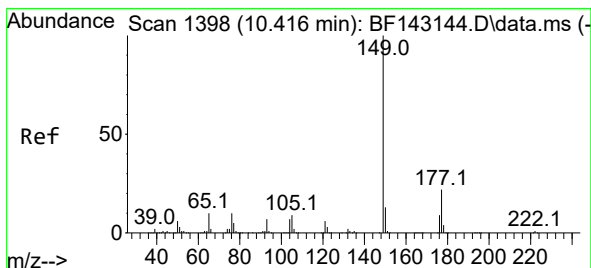
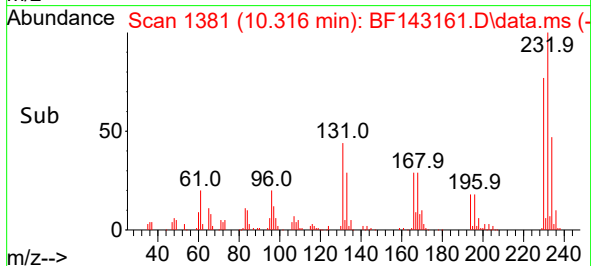
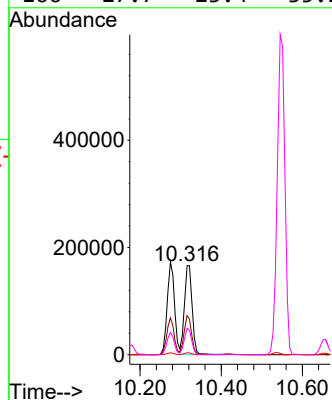
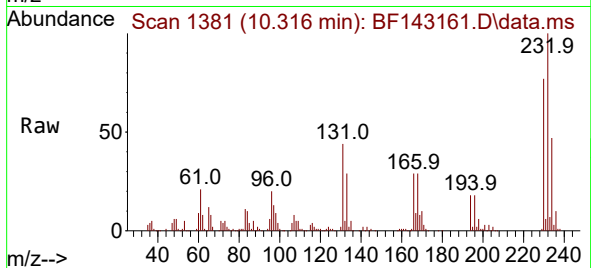




#59
2,3,4,6-Tetrachlorophenol
Concen: 46.661 ng
RT: 10.316 min Scan# 1381
Delta R.T. -0.006 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

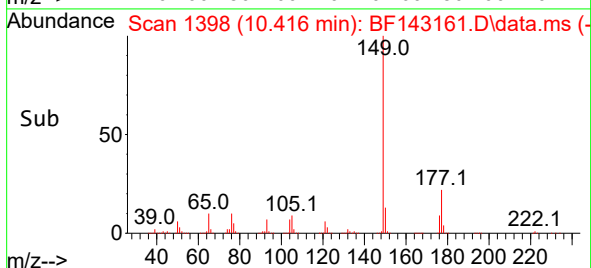
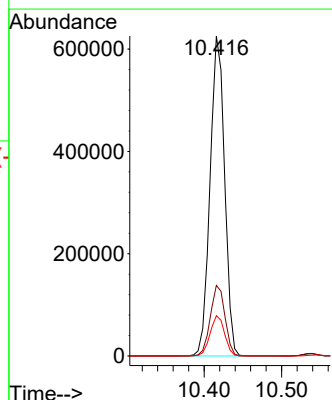
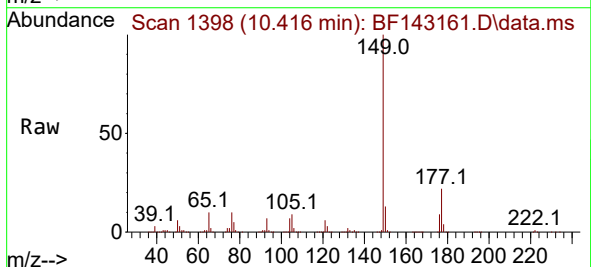
Instrument :
BNA_F
ClientSampleId :
PB168854BS

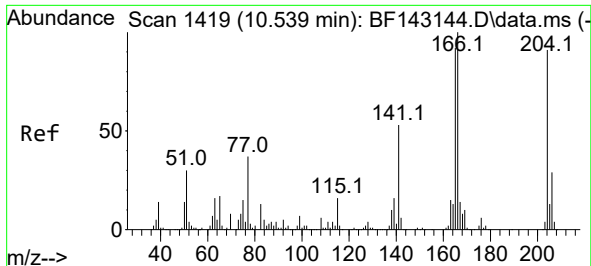
Tgt Ion:232 Resp: 219704
Ion Ratio Lower Upper
232 100
131 41.8 35.3 52.9
130 2.1 1.7 2.5
166 27.7 23.4 35.2



#60
Diethylphthalate
Concen: 44.492 ng
RT: 10.416 min Scan# 1398
Delta R.T. 0.000 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

Tgt Ion:149 Resp: 815189
Ion Ratio Lower Upper
149 100
177 22.1 17.5 26.3
150 12.6 10.2 15.2

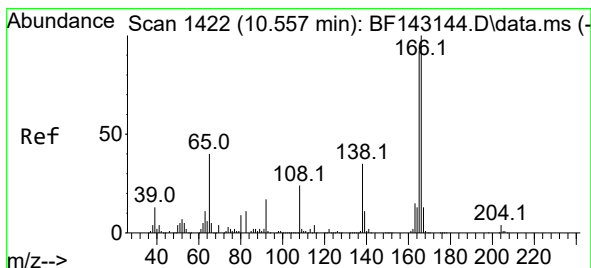
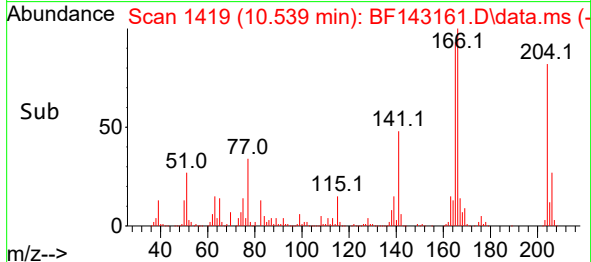
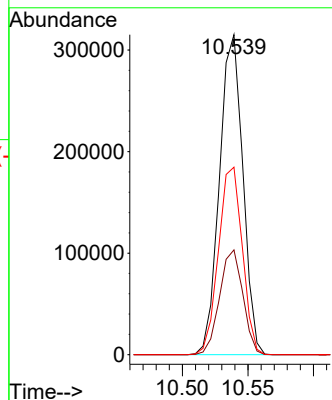
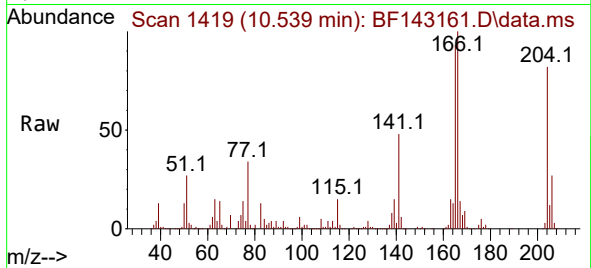




#61
4-Chlorophenyl-phenylether
Concen: 43.287 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

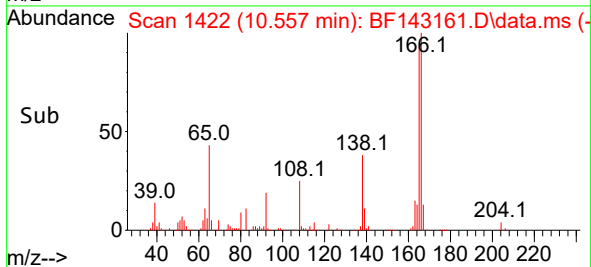
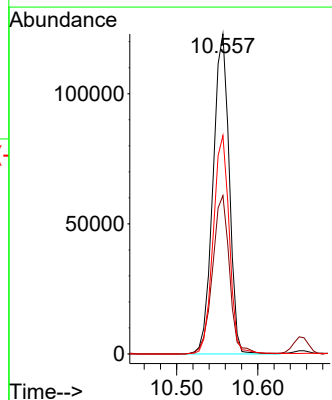
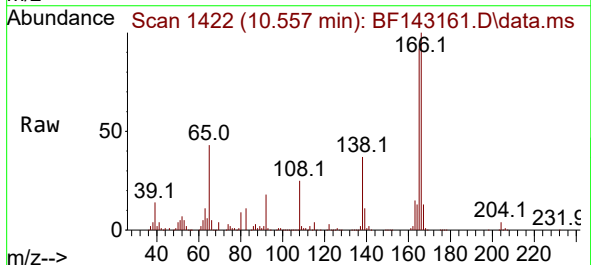
Instrument :
BNA_F
ClientSampleId :
PB168854BS

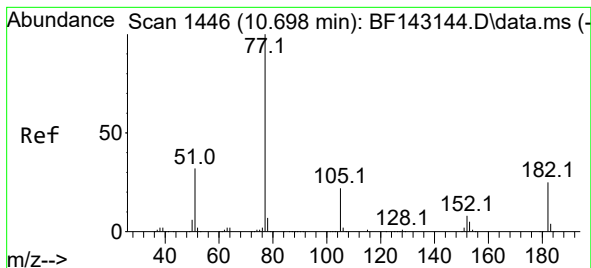
Tgt Ion:204 Resp: 390558
Ion Ratio Lower Upper
204 100
206 32.8 25.8 38.8
141 58.6 47.0 70.4



#62
4-Nitroaniline
Concen: 45.113 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

Tgt Ion:138 Resp: 170541
Ion Ratio Lower Upper
138 100
92 49.5 29.3 69.3
108 68.3 48.3 88.3





#63

Azobenzene

Concen: 44.500 ng

RT: 10.698 min Scan# 1446

Delta R.T. 0.000 min

Lab File: BF143161.D

Acq: 18 Jul 2025 12:23

Instrument :

BNA_F

ClientSampleId :

PB168854BS

Tgt Ion: 77 Resp: 849763

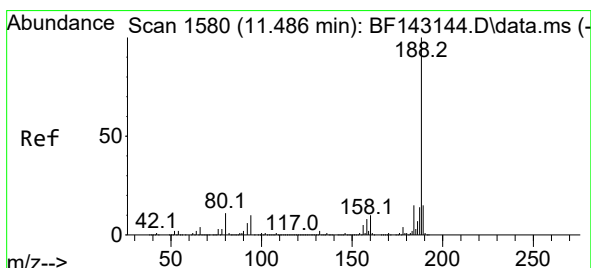
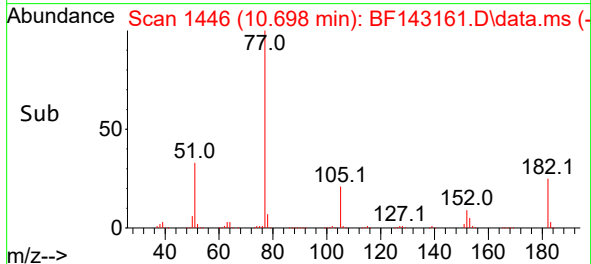
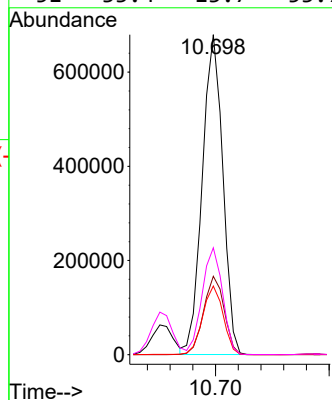
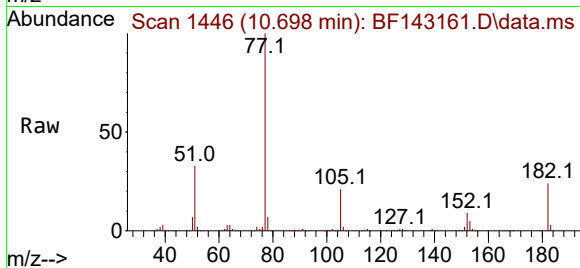
Ion Ratio Lower Upper

77 100

182 24.5 4.6 44.6

105 21.5 1.4 41.4

51 33.4 13.7 53.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.486 min Scan# 1580

Delta R.T. 0.000 min

Lab File: BF143161.D

Acq: 18 Jul 2025 12:23

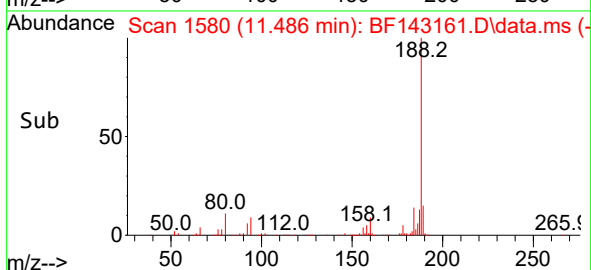
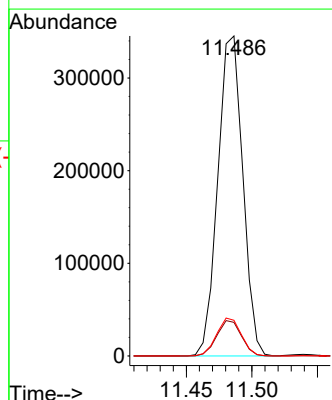
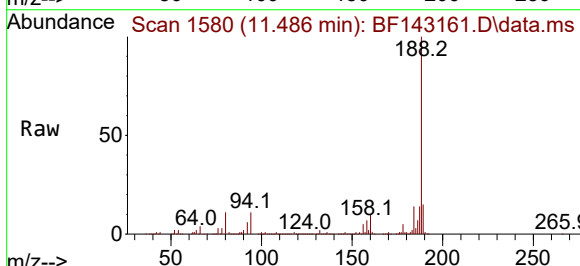
Tgt Ion: 188 Resp: 457190

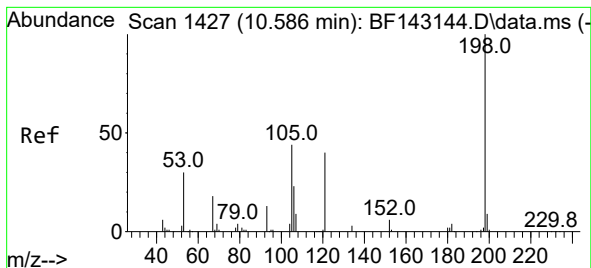
Ion Ratio Lower Upper

188 100

94 10.5 8.3 12.5

80 11.2 9.0 13.6

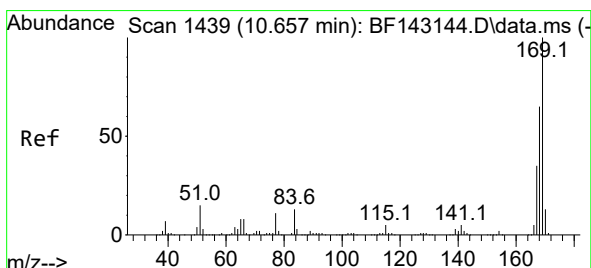
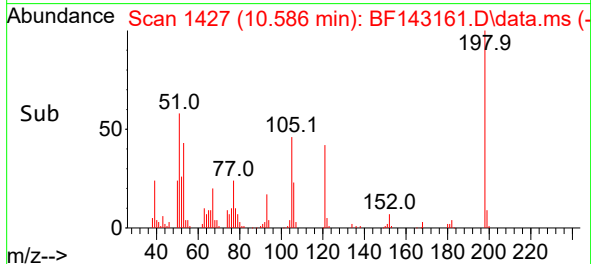
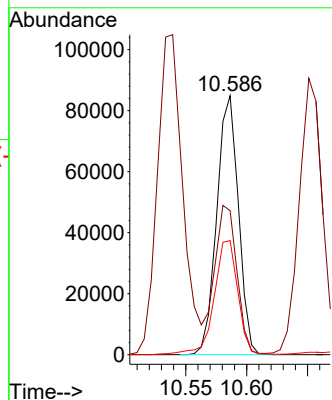
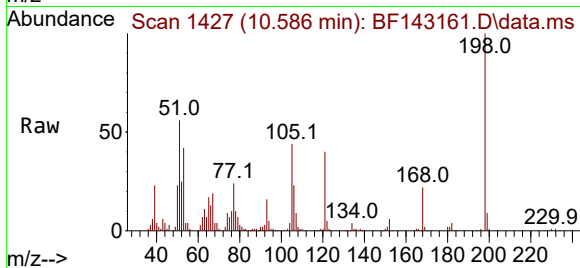




#65
4,6-Dinitro-2-methylphenol
Concen: 44.257 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

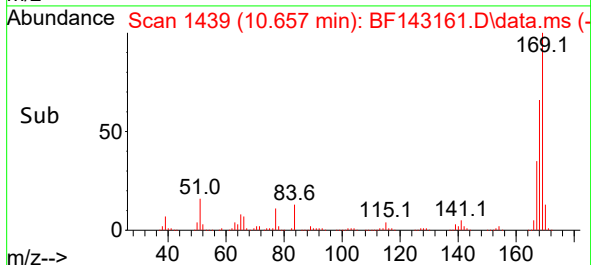
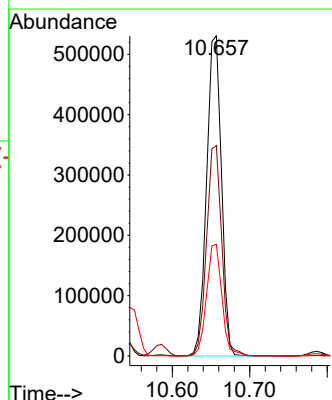
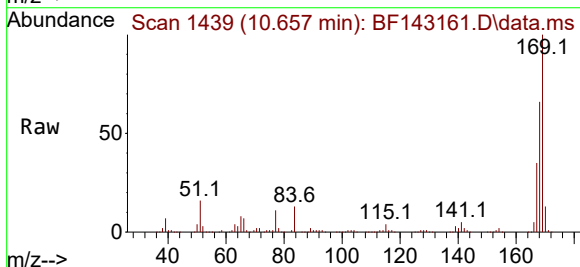
Instrument :
BNA_F
ClientSampleId :
PB168854BS

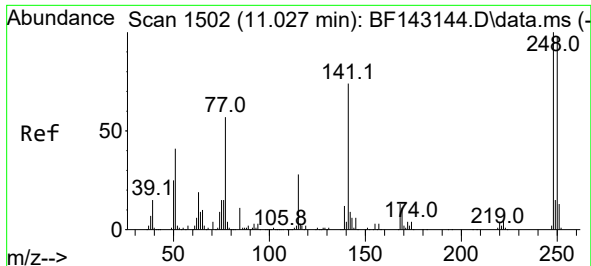
Tgt Ion:198 Resp: 104932
Ion Ratio Lower Upper
198 100
51 55.6 37.2 77.2
105 44.1 24.8 64.8



#66
n-Nitrosodiphenylamine
Concen: 43.853 ng
RT: 10.657 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

Tgt Ion:169 Resp: 705995
Ion Ratio Lower Upper
169 100
168 65.7 52.1 78.1
167 34.9 28.2 42.2

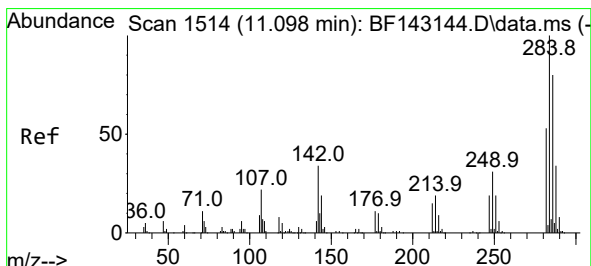
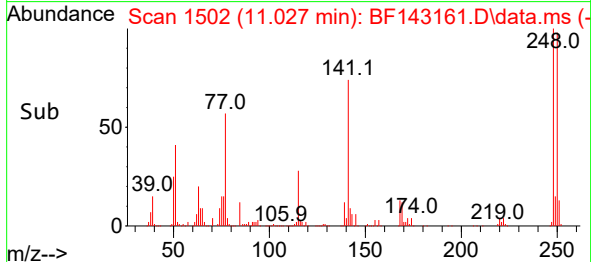
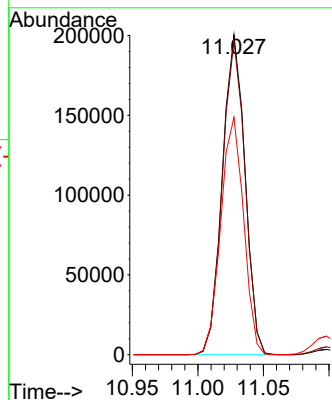
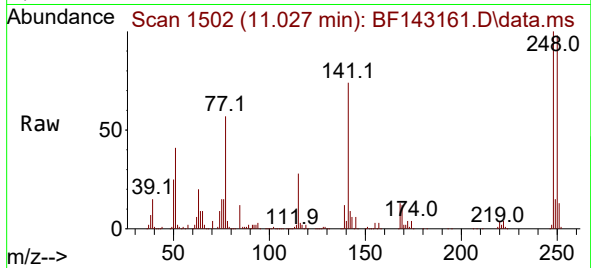




#67
4-Bromophenyl-phenylether
Concen: 44.286 ng
RT: 11.027 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

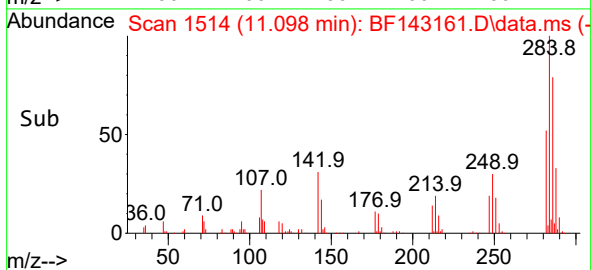
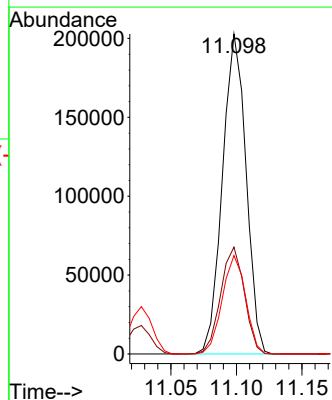
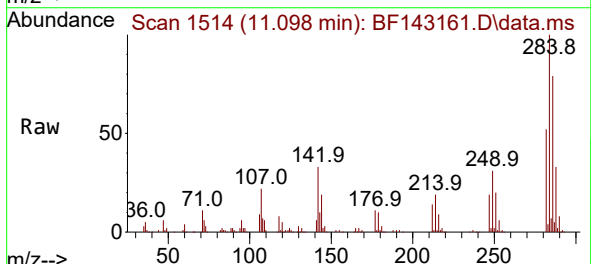
Instrument :
BNA_F
ClientSampleId :
PB168854BS

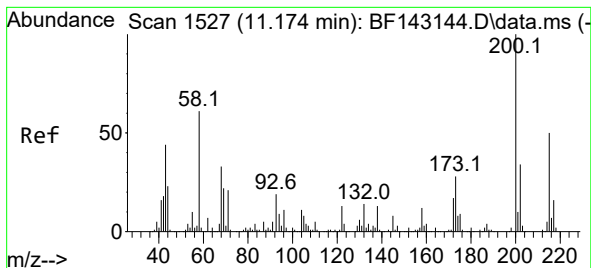
Tgt Ion:248 Resp: 241290
Ion Ratio Lower Upper
248 100
250 98.1 78.3 117.5
141 74.2 59.2 88.8



#68
Hexachlorobenzene
Concen: 44.562 ng
RT: 11.098 min Scan# 1514
Delta R.T. 0.000 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

Tgt Ion:284 Resp: 253770
Ion Ratio Lower Upper
284 100
142 33.4 27.0 40.6
249 30.7 25.0 37.6





#69

Atrazine

Concen: 46.983 ng

RT: 11.175 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143161.D

Acq: 18 Jul 2025 12:23

Instrument :

BNA_F

ClientSampleId :

PB168854BS

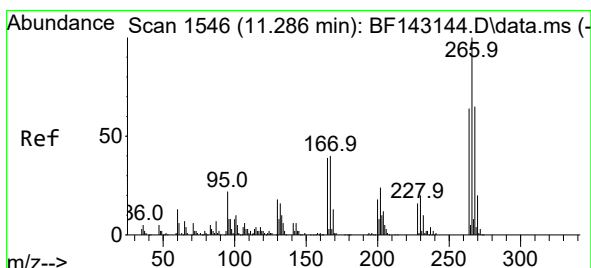
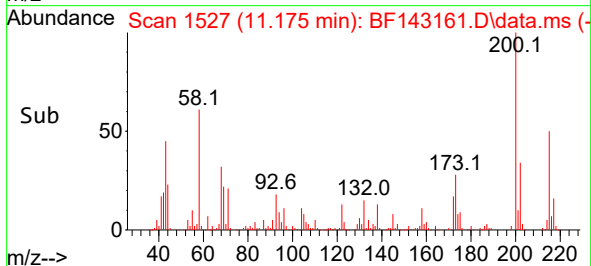
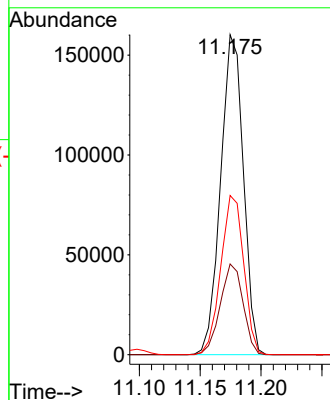
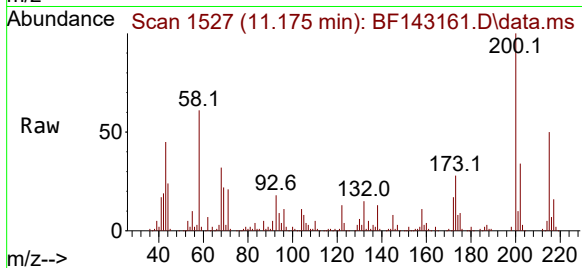
Tgt Ion:200 Resp: 208527

Ion Ratio Lower Upper

200 100

173 28.3 7.9 47.9

215 49.8 30.1 70.1



#70

Pentachlorophenol

Concen: 91.129 ng

RT: 11.286 min Scan# 1546

Delta R.T. 0.000 min

Lab File: BF143161.D

Acq: 18 Jul 2025 12:23

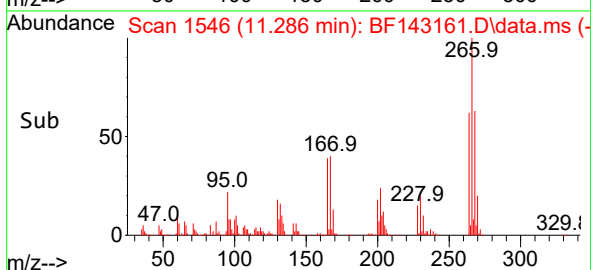
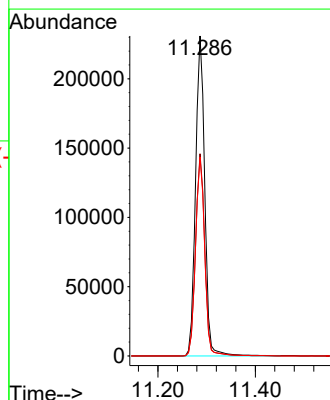
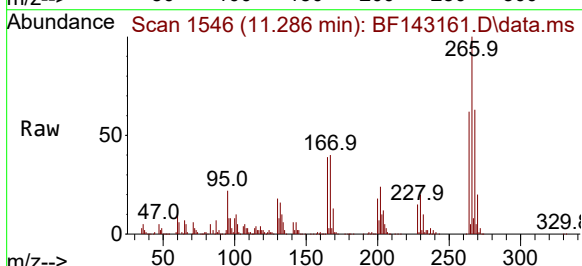
Tgt Ion:266 Resp: 305192

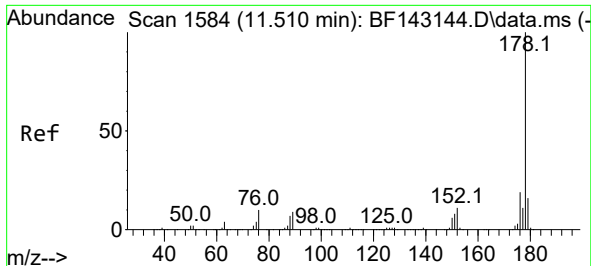
Ion Ratio Lower Upper

266 100

268 63.2 51.9 77.9

264 62.2 51.0 76.6

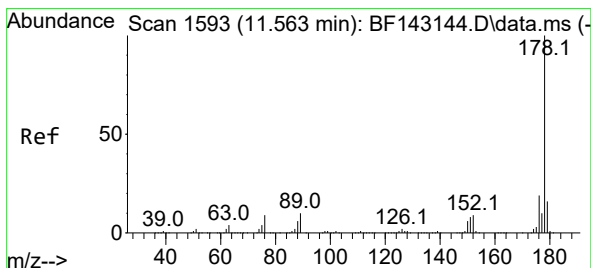
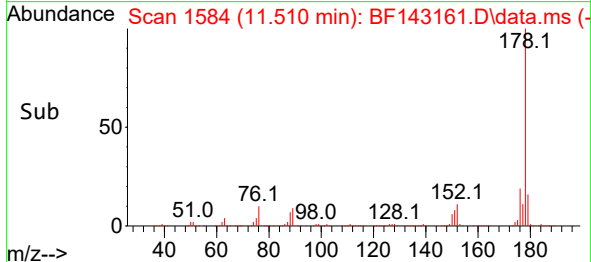
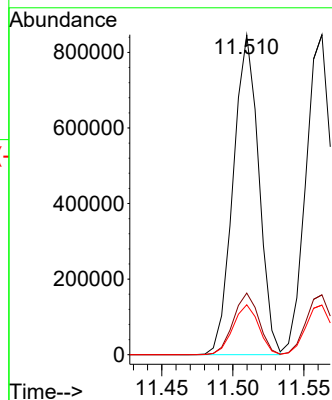
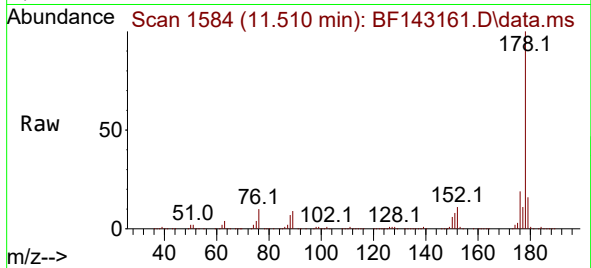




#71
Phenanthrene
Concen: 43.630 ng
RT: 11.510 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

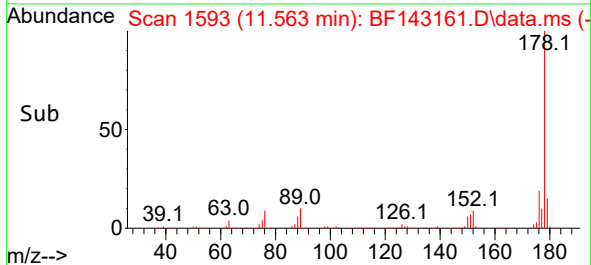
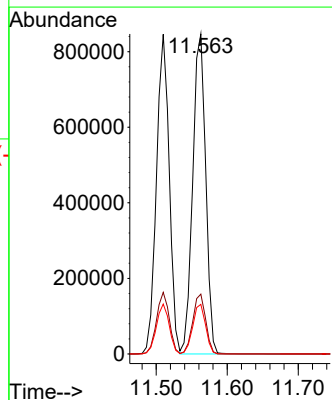
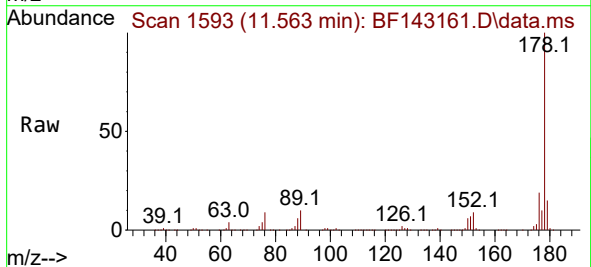
Instrument :
BNA_F
ClientSampleId :
PB168854BS

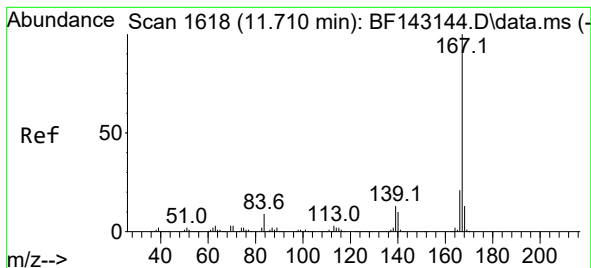
Tgt Ion:178 Resp: 1059125
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.6 12.5 18.7



#72
Anthracene
Concen: 43.399 ng
RT: 11.563 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

Tgt Ion:178 Resp: 1074473
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.4
179 15.5 12.5 18.7





#73

Carbazole

Concen: 44.036 ng

RT: 11.710 min Scan# 1618

Delta R.T. 0.000 min

Lab File: BF143161.D

Acq: 18 Jul 2025 12:23

Instrument :

BNA_F

ClientSampleId :

PB168854BS

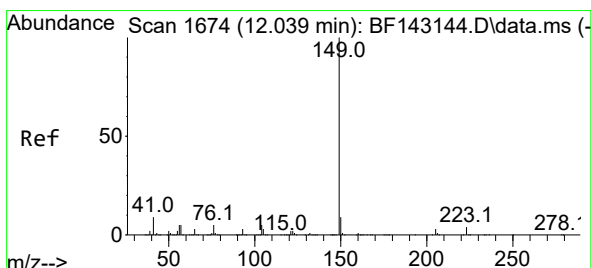
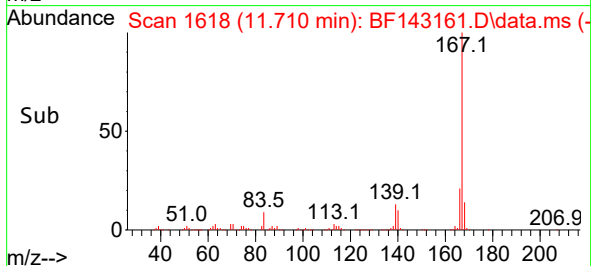
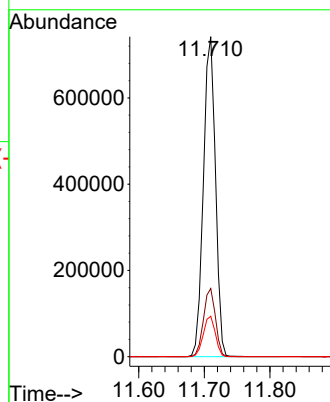
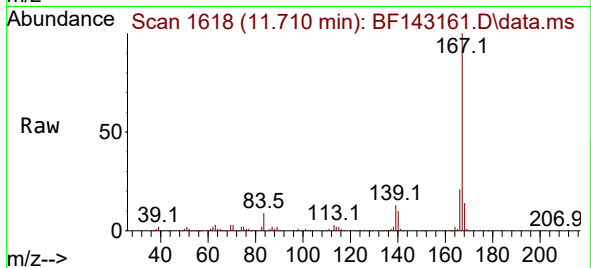
Tgt Ion:167 Resp: 951994

Ion Ratio Lower Upper

167 100

166 21.3 17.0 25.6

139 12.7 10.0 15.0



#74

Di-n-butylphthalate

Concen: 46.248 ng

RT: 12.039 min Scan# 1674

Delta R.T. 0.000 min

Lab File: BF143161.D

Acq: 18 Jul 2025 12:23

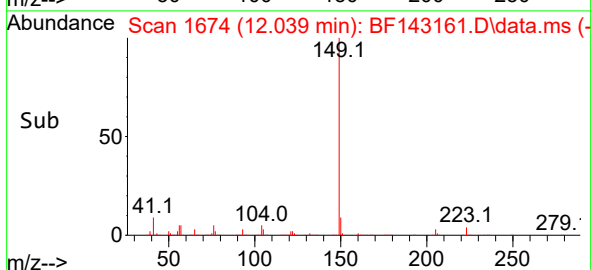
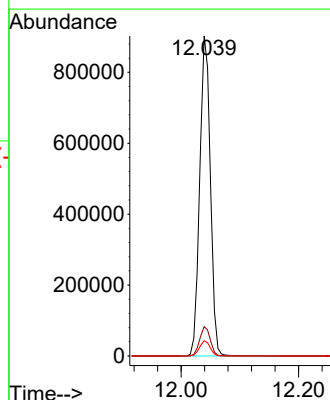
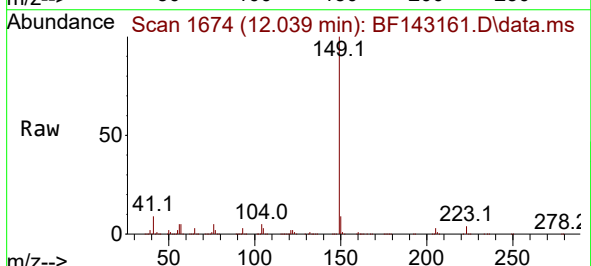
Tgt Ion:149 Resp: 1131308

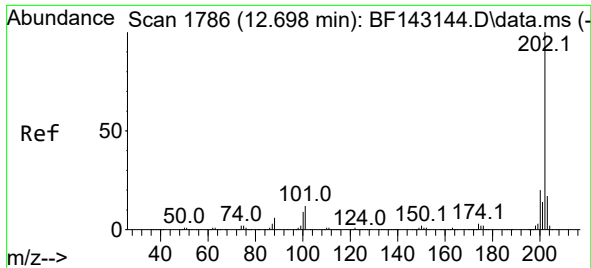
Ion Ratio Lower Upper

149 100

150 9.1 7.4 11.2

104 4.8 3.8 5.8

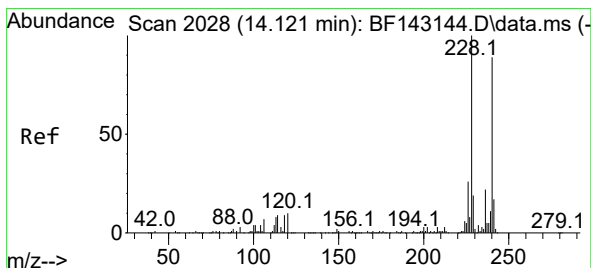
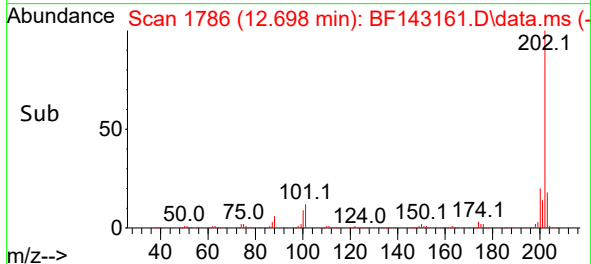
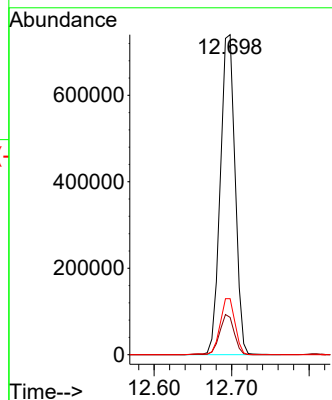
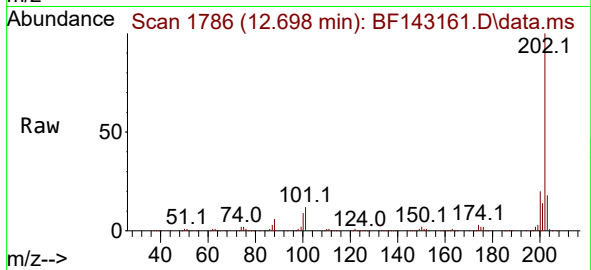




#75
Fluoranthene
Concen: 44.003 ng
RT: 12.698 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

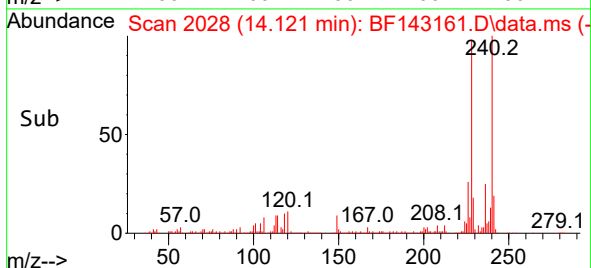
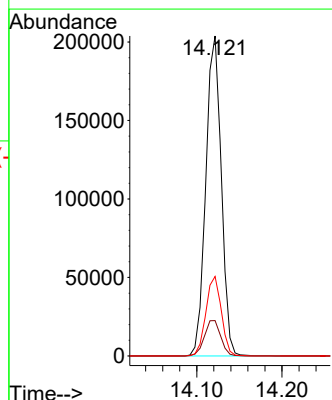
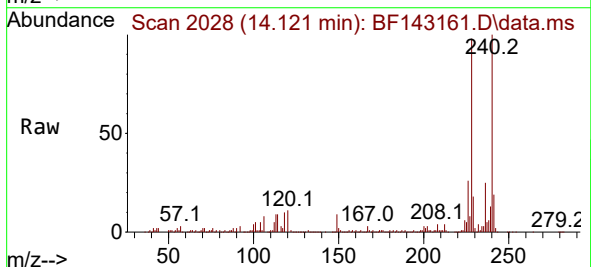
Instrument :
BNA_F
ClientSampleId :
PB168854BS

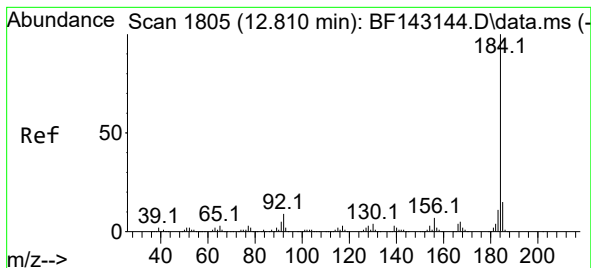
Tgt Ion:202 Resp: 980449
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.7
203 17.5 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

Tgt Ion:240 Resp: 257248
Ion Ratio Lower Upper
240 100
120 11.1 9.4 14.2
236 24.8 20.2 30.4





#77

Benzidine

Concen: 36.969 ng

RT: 12.810 min Scan# 1805

Delta R.T. -0.000 min

Lab File: BF143161.D

Acq: 18 Jul 2025 12:23

Instrument :

BNA_F

ClientSampleId :

PB168854BS

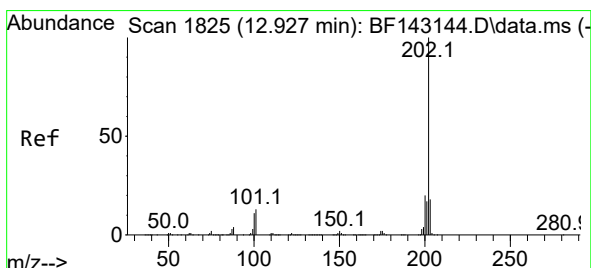
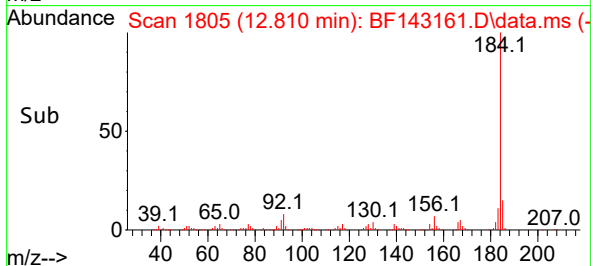
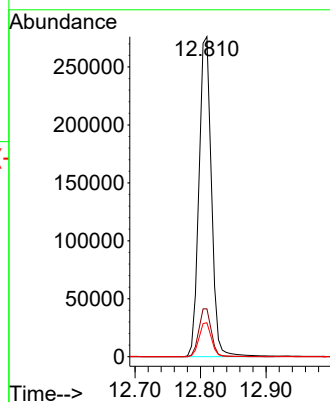
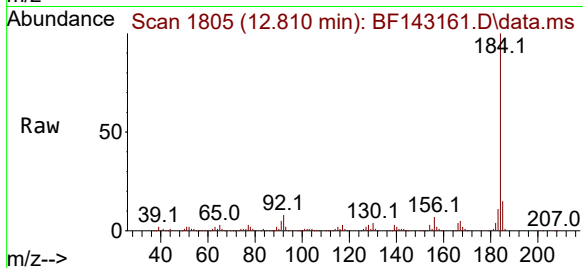
Tgt Ion:184 Resp: 366399

Ion Ratio Lower Upper

184 100

185 15.0 12.2 18.4

183 10.6 9.0 13.4



#78

Pyrene

Concen: 44.664 ng

RT: 12.921 min Scan# 1824

Delta R.T. -0.006 min

Lab File: BF143161.D

Acq: 18 Jul 2025 12:23

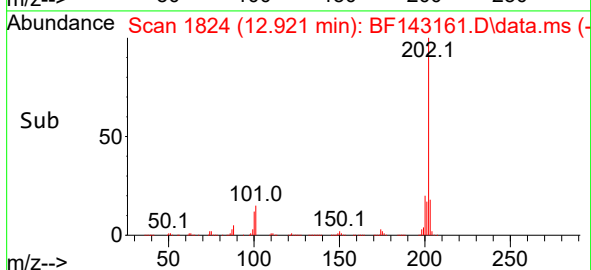
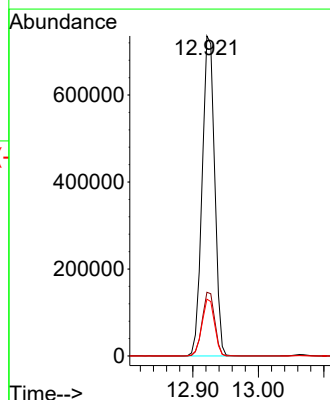
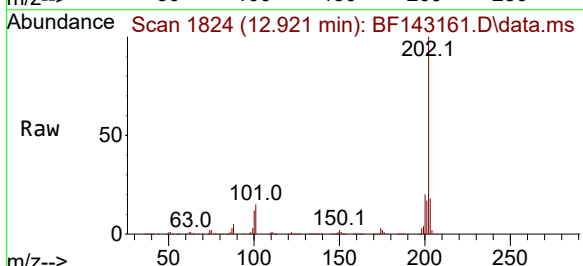
Tgt Ion:202 Resp: 980591

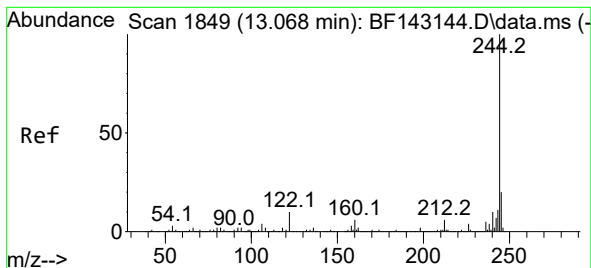
Ion Ratio Lower Upper

202 100

200 19.9 15.7 23.5

203 17.7 14.2 21.2





#79

Terphenyl-d14

Concen: 75.530 ng

RT: 13.063 min Scan# 1848

Delta R.T. -0.006 min

Lab File: BF143161.D

Acq: 18 Jul 2025 12:23

Instrument :

BNA_F

ClientSampleId :

PB168854BS

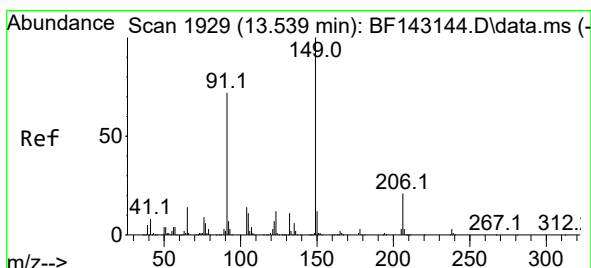
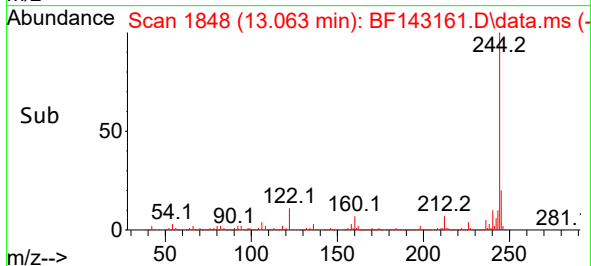
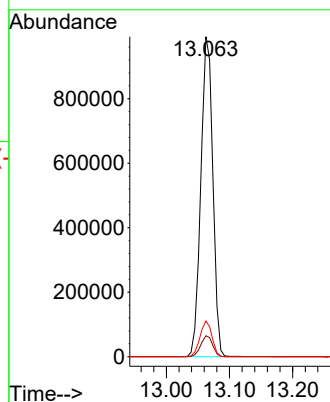
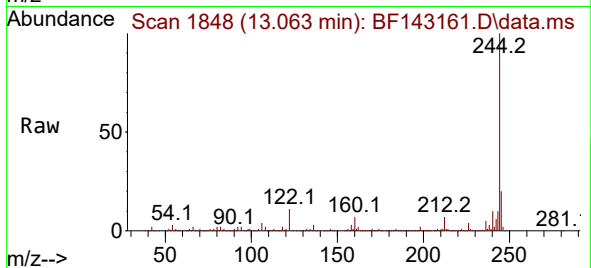
Tgt Ion:244 Resp: 1305676

Ion Ratio Lower Upper

244 100

212 6.6 5.2 7.8

122 11.2 8.2 12.2



#80

Butylbenzylphthalate

Concen: 47.037 ng

RT: 13.539 min Scan# 1929

Delta R.T. 0.000 min

Lab File: BF143161.D

Acq: 18 Jul 2025 12:23

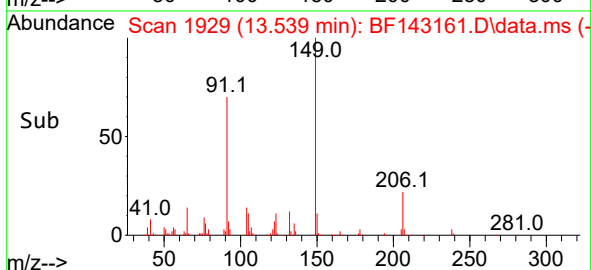
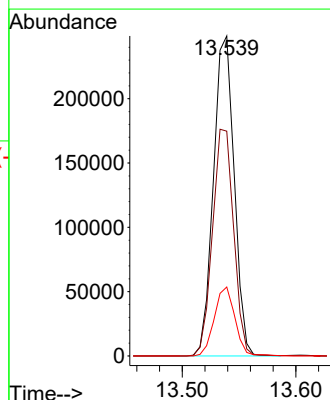
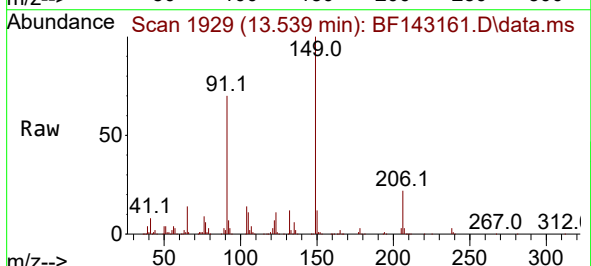
Tgt Ion:149 Resp: 316224

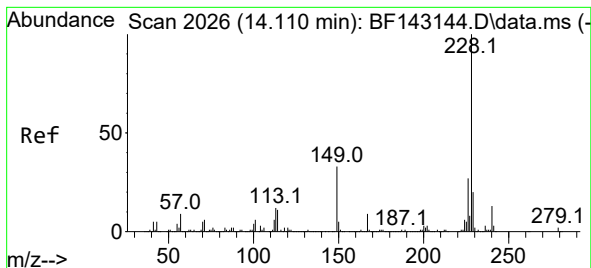
Ion Ratio Lower Upper

149 100

91 70.3 57.9 86.9

206 21.6 17.0 25.4





#81

Benzo(a)anthracene

Concen: 44.967 ng

RT: 14.110 min Scan# 2026

Delta R.T. 0.000 min

Lab File: BF143161.D

Acq: 18 Jul 2025 12:23

Instrument :

BNA_F

ClientSampleId :

PB168854BS

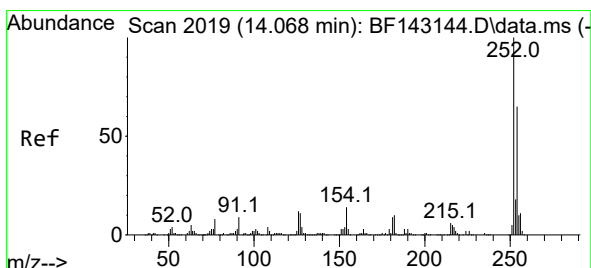
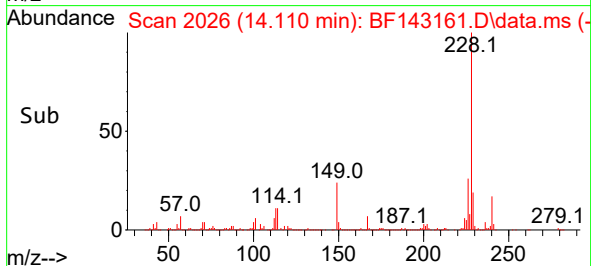
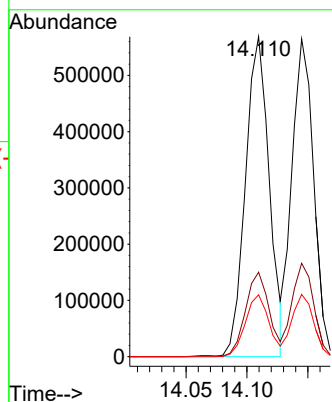
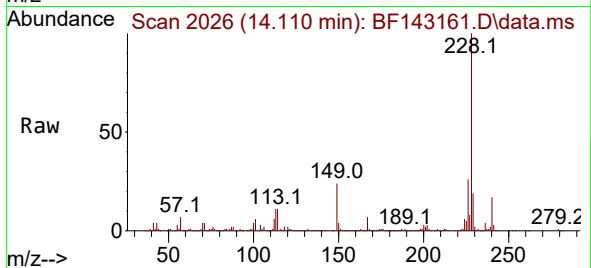
Tgt Ion:228 Resp: 774464

Ion Ratio Lower Upper

228 100

226 26.4 21.7 32.5

229 19.3 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 26.250 ng

RT: 14.068 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF143161.D

Acq: 18 Jul 2025 12:23

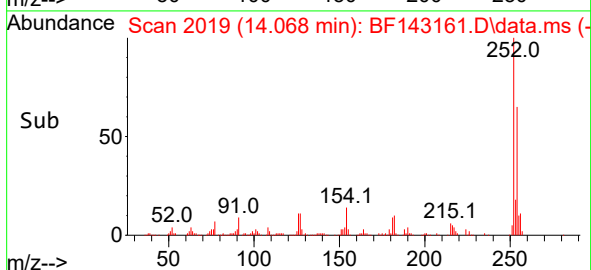
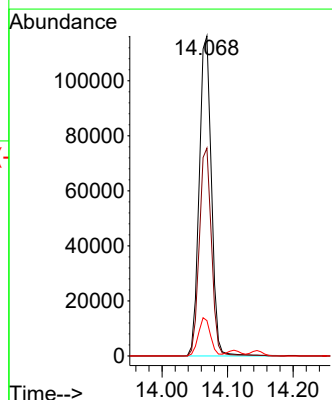
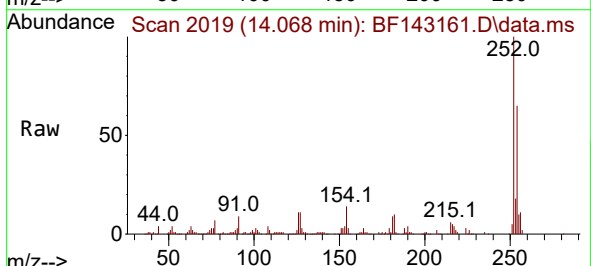
Tgt Ion:252 Resp: 150680

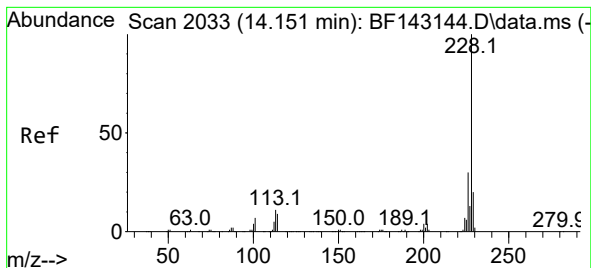
Ion Ratio Lower Upper

252 100

254 65.0 51.7 77.5

126 11.1 9.4 14.0





#83

Chrysene

Concen: 45.397 ng

RT: 14.145 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF143161.D

Acq: 18 Jul 2025 12:23

Instrument :

BNA_F

ClientSampleId :

PB168854BS

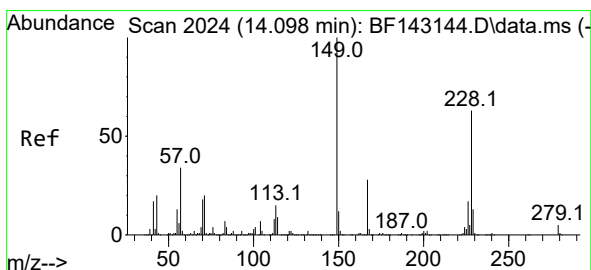
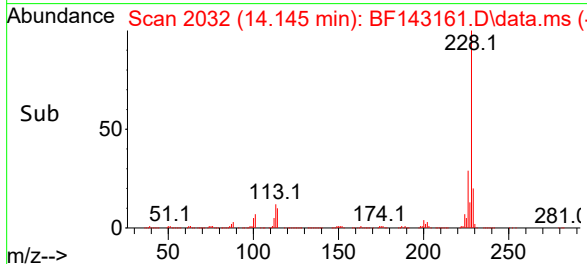
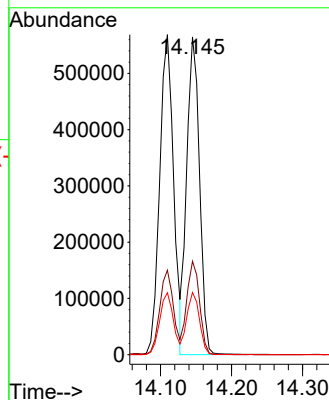
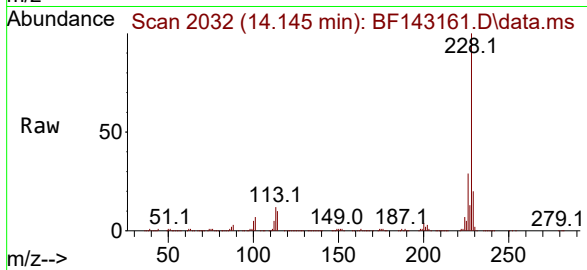
Tgt Ion:228 Resp: 702972

Ion Ratio Lower Upper

228 100

226 29.4 23.8 35.8

229 19.6 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 46.744 ng

RT: 14.098 min Scan# 2024

Delta R.T. 0.000 min

Lab File: BF143161.D

Acq: 18 Jul 2025 12:23

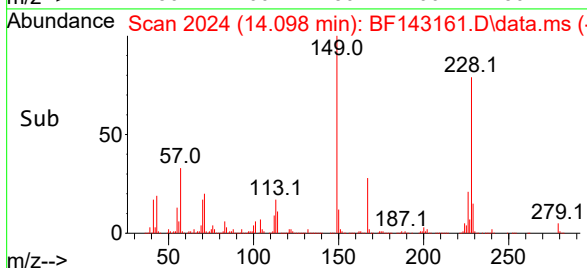
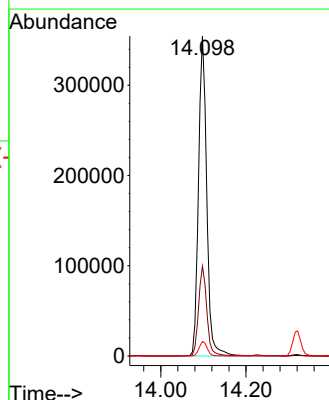
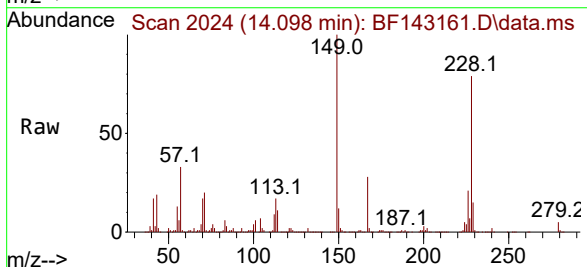
Tgt Ion:149 Resp: 475648

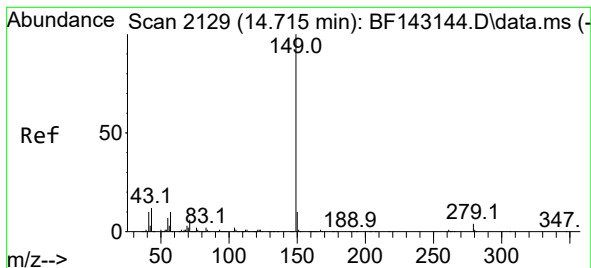
Ion Ratio Lower Upper

149 100

167 28.0 22.3 33.5

279 4.5 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 45.392 ng

RT: 14.715 min Scan# 2129

Delta R.T. 0.000 min

Lab File: BF143161.D

Acq: 18 Jul 2025 12:23

Instrument :

BNA_F

ClientSampleId :

PB168854BS

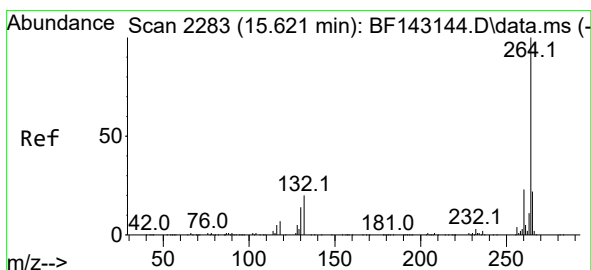
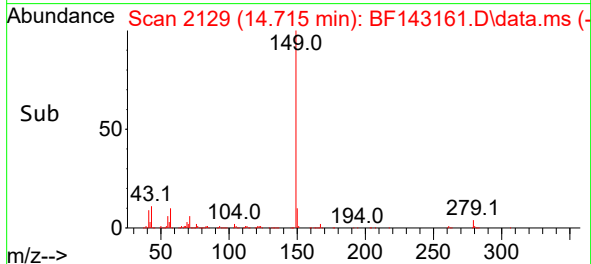
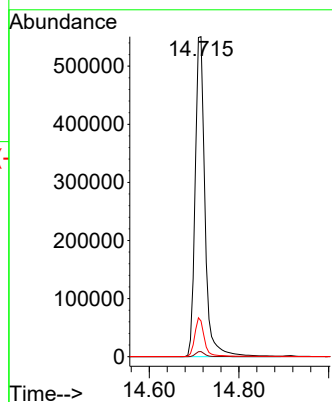
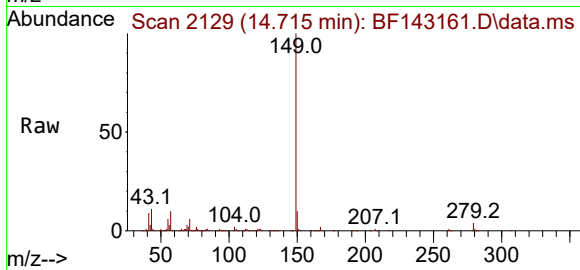
Tgt Ion:149 Resp: 837235

Ion Ratio Lower Upper

149 100

167 1.6 1.1 1.7

43 12.0 9.7 14.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.621 min Scan# 2283

Delta R.T. 0.000 min

Lab File: BF143161.D

Acq: 18 Jul 2025 12:23

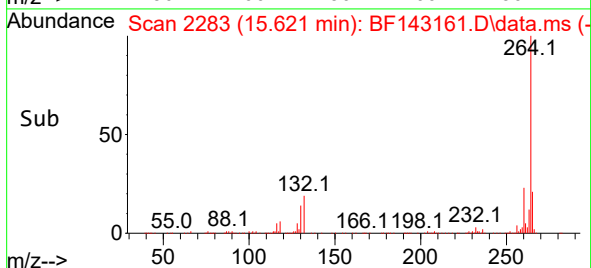
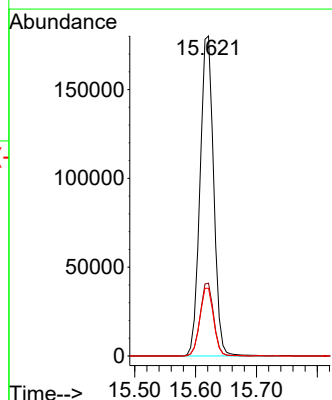
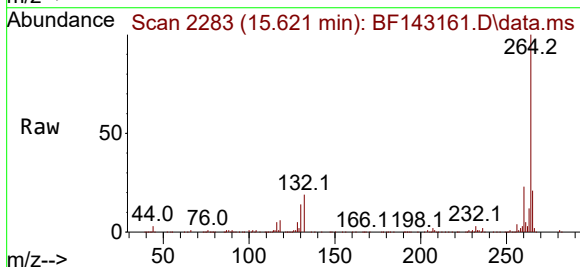
Tgt Ion:264 Resp: 280393

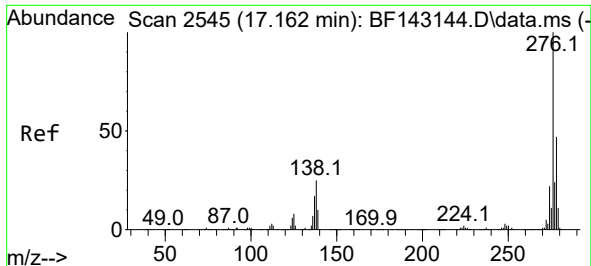
Ion Ratio Lower Upper

264 100

260 22.7 18.5 27.7

265 21.1 17.4 26.2

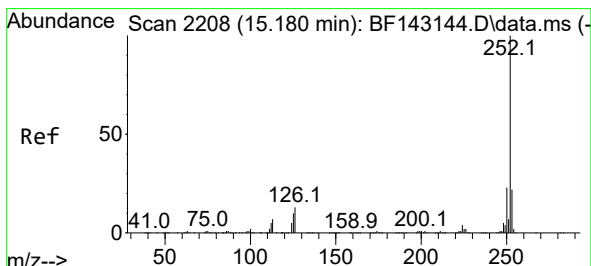
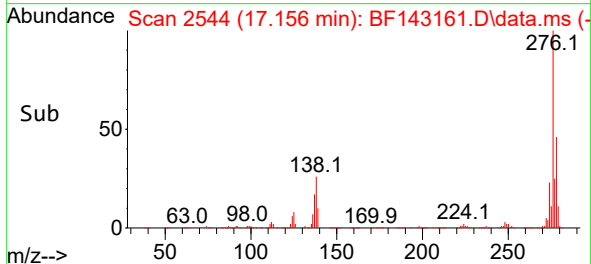
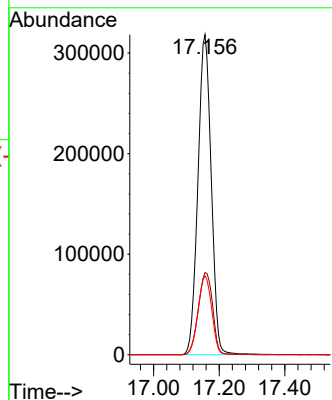
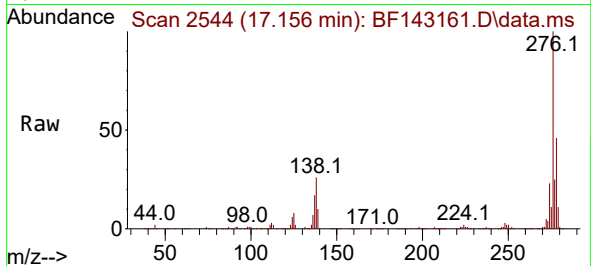




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 45.495 ng
 RT: 17.156 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF143161.D
 Acq: 18 Jul 2025 12:23

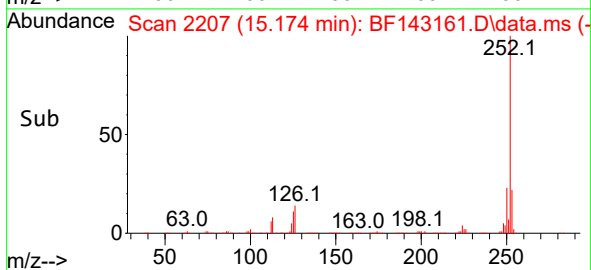
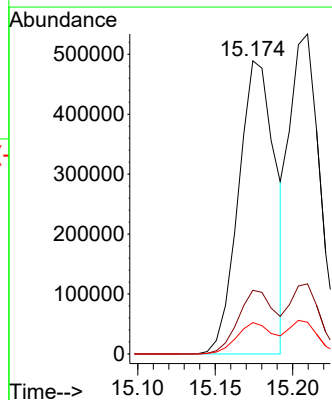
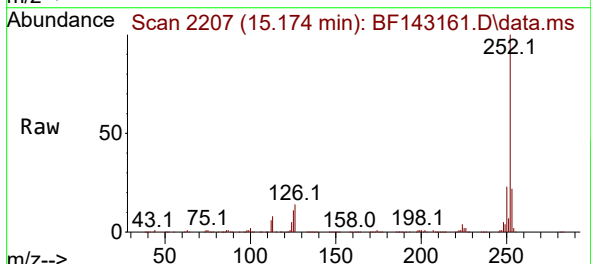
Instrument :
 BNA_F
 ClientSampleId :
 PB168854BS

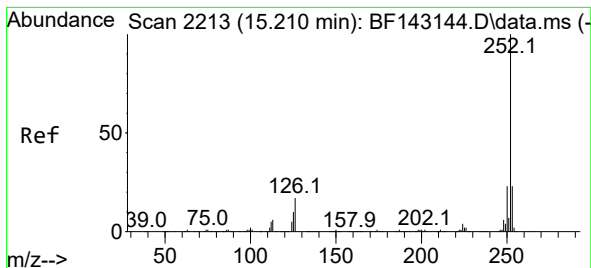
Tgt Ion:276 Resp: 899497
 Ion Ratio Lower Upper
 276 100
 138 27.6 21.8 32.6
 277 25.4 20.0 30.0



#88
 Benzo(b)fluoranthene
 Concen: 47.085 ng
 RT: 15.174 min Scan# 2207
 Delta R.T. -0.006 min
 Lab File: BF143161.D
 Acq: 18 Jul 2025 12:23

Tgt Ion:252 Resp: 806547
 Ion Ratio Lower Upper
 252 100
 253 21.8 17.5 26.3
 125 10.7 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 47.214 ng

RT: 15.210 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143161.D

Acq: 18 Jul 2025 12:23

Instrument :

BNA_F

ClientSampleId :

PB168854BS

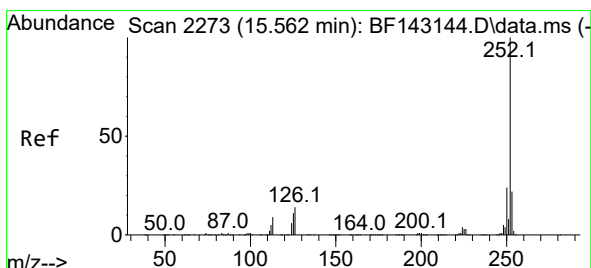
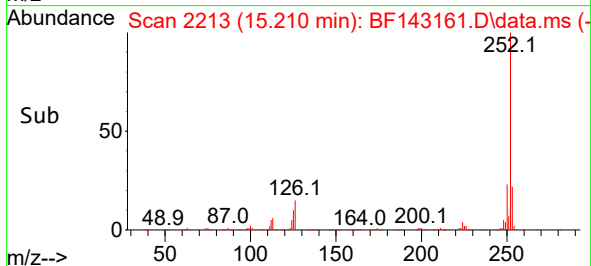
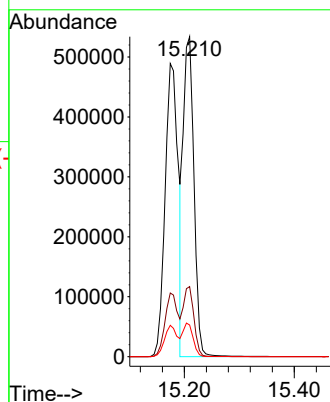
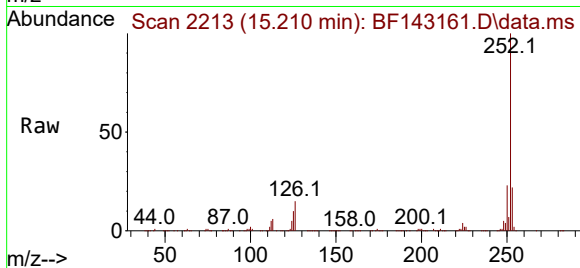
Tgt Ion:252 Resp: 721686

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.6

125 9.9 8.1 12.1



#90

Benzo(a)pyrene

Concen: 46.719 ng

RT: 15.557 min Scan# 2272

Delta R.T. -0.006 min

Lab File: BF143161.D

Acq: 18 Jul 2025 12:23

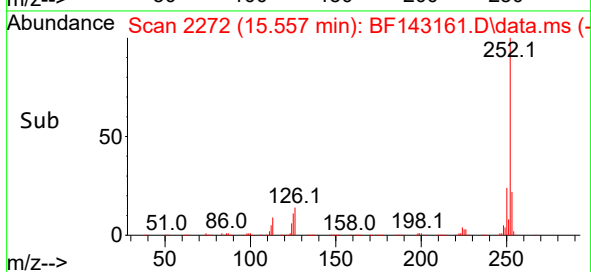
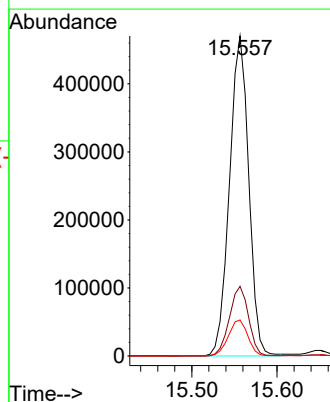
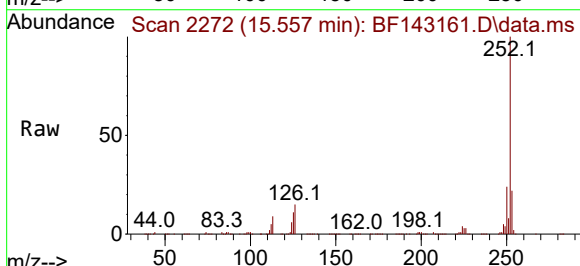
Tgt Ion:252 Resp: 737322

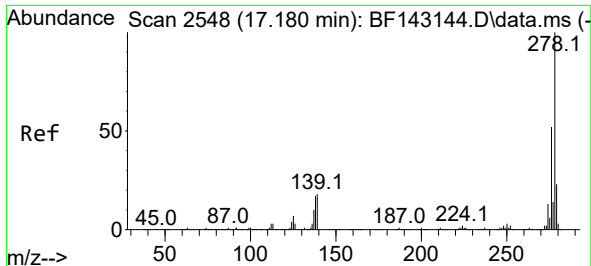
Ion Ratio Lower Upper

252 100

253 21.7 17.3 25.9

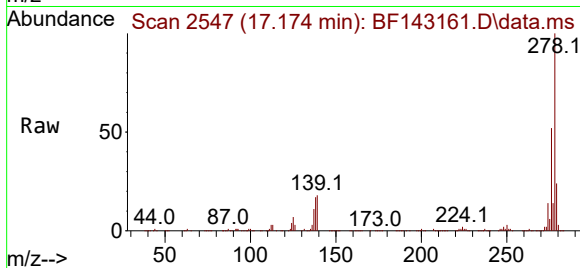
125 11.3 8.6 13.0



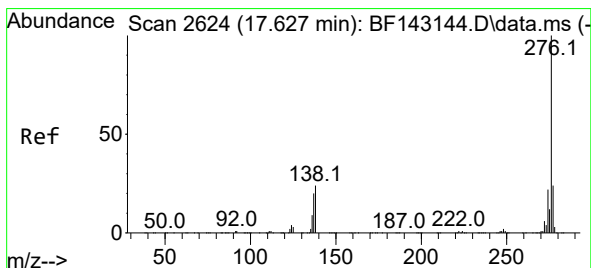
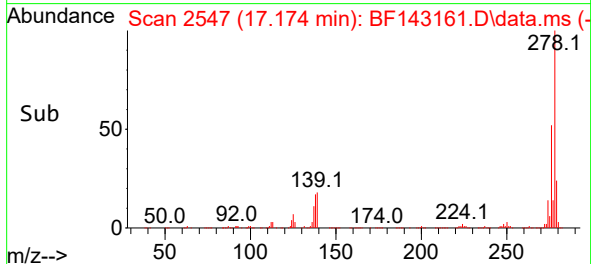
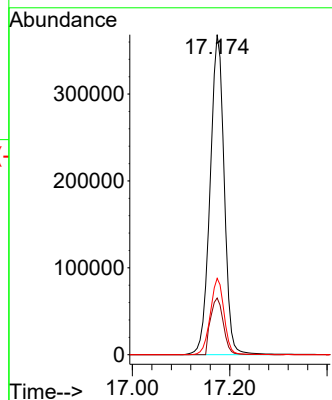


#91
Dibenzo(a,h)anthracene
Concen: 45.822 ng
RT: 17.174 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

Instrument :
BNA_F
ClientSampleId :
PB168854BS



Tgt Ion:278 Resp: 737405
Ion Ratio Lower Upper
278 100
139 17.7 14.1 21.1
279 23.8 18.6 28.0



#92
Benzo(g,h,i)perylene
Concen: 46.265 ng
RT: 17.621 min Scan# 2623
Delta R.T. -0.006 min
Lab File: BF143161.D
Acq: 18 Jul 2025 12:23

Tgt Ion:276 Resp: 720200
Ion Ratio Lower Upper
276 100
277 23.9 19.1 28.7
138 23.7 18.9 28.3

