

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072325\
 Data File : BF143213.D
 Acq On : 23 Jul 2025 16:00
 Operator : RC/JU
 Sample : PB168954BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168954BS

Quant Time: Jul 23 16:22:58 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	127773	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	503486	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	265187	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	449718	20.000	ng	0.00
76) Chrysene-d12	14.127	240	253510	20.000	ng	0.00
86) Perylene-d12	15.627	264	261797	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.610	112	916900	113.558	ng	0.02
7) Phenol-d6	6.598	99	1153015	113.452	ng	0.01
23) Nitrobenzene-d5	7.522	82	828442	82.019	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	344125	125.615	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1475069	76.072	ng	0.00
79) Terphenyl-d14	13.069	244	1407338	82.611	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.910	88	132471	34.673	ng	100
3) Pyridine	3.657	79	366838	36.993	ng	99
4) n-Nitrosodimethylamine	3.604	42	215046	42.002	ng	98
6) Aniline	6.628	93	453418	32.012	ng	98
8) 2-Chlorophenol	6.751	128	371590	43.905	ng	98
9) Benzaldehyde	6.510	77	245056	32.156	ng	98
10) Phenol	6.610	94	469882	42.440	ng	87
11) bis(2-Chloroethyl)ether	6.693	93	357840	42.212	ng	100
12) 1,3-Dichlorobenzene	6.910	146	386199	42.005	ng	99
13) 1,4-Dichlorobenzene	6.981	146	393397	42.488	ng	99
14) 1,2-Dichlorobenzene	7.134	146	380909	43.254	ng	100
15) Benzyl Alcohol	7.098	79	349759	45.072	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.234	45	660695	42.015	ng	97
17) 2-Methylphenol	7.216	107	312356	43.893	ng	98
18) Hexachloroethane	7.481	117	142004	44.303	ng	99
19) n-Nitroso-di-n-propyla...	7.375	70	275552	42.261	ng	100
20) 3+4-Methylphenols	7.363	107	368857	42.722	ng	# 80
22) Acetophenone	7.369	105	498995	41.862	ng	96
24) Nitrobenzene	7.540	77	416358	44.214	ng	98
25) Isophorone	7.781	82	767871	43.064	ng	99
26) 2-Nitrophenol	7.857	139	202876	49.640	ng	100
27) 2,4-Dimethylphenol	7.892	122	353154	42.392	ng	98
28) bis(2-Chloroethoxy)met...	7.987	93	454347	42.499	ng	99
29) 2,4-Dichlorophenol	8.098	162	308890	43.967	ng	99
30) 1,2,4-Trichlorobenzene	8.187	180	329323	43.389	ng	100
31) Naphthalene	8.269	128	1076778	43.425	ng	99
32) Benzoic acid	8.010	122	237583	50.344	ng	98
33) 4-Chloroaniline	8.304	127	151427	14.956	ng	99
34) Hexachlorobutadiene	8.387	225	204807	44.172	ng	99
35) Caprolactam	8.675	113	68958	32.481	ng	96
36) 4-Chloro-3-methylphenol	8.792	107	348866	45.686	ng	99
37) 2-Methylnaphthalene	8.957	142	658532	43.644	ng	100
38) 1-Methylnaphthalene	9.057	142	675295	43.462	ng	100
40) 1,2,4,5-Tetrachloroben...	9.128	216	321264	41.961	ng	99
41) Hexachlorocyclopentadiene	9.116	237	448113	89.952	ng	100
43) 2,4,6-Trichlorophenol	9.234	196	236950	44.718	ng	100

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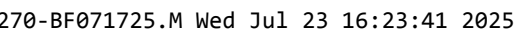
Instrument :
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	236712	44.660	ng	98
46) 1,1'-Biphenyl	9.422	154	896929	43.351	ng	100
47) 2-Chloronaphthalene	9.445	162	657554	42.952	ng	100
48) 2-Nitroaniline	9.534	65	230570	48.027	ng	97
49) Acenaphthylene	9.863	152	1113812	43.414	ng	100
50) Dimethylphthalate	9.716	163	786201	45.483	ng	100
51) 2,6-Dinitrotoluene	9.775	165	173323	49.290	ng	99
52) Acenaphthene	10.039	154	721953	47.611	ng	97
53) 3-Nitroaniline	9.945	138	124269	30.214	ng	96
54) 2,4-Dinitrophenol	10.051	184	177281	108.635	ng	# 1
55) Dibenzofuran	10.210	168	965446	42.884	ng	100
56) 4-Nitrophenol	10.104	139	288911	94.066	ng	98
57) 2,4-Dinitrotoluene	10.181	165	233822	53.000	ng	96
58) Fluorene	10.551	166	747219	44.223	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	189277	43.109	ng	98
60) Diethylphthalate	10.422	149	789791	46.227	ng	99
61) 4-Chlorophenyl-phenyle...	10.539	204	374523	44.515	ng	99
62) 4-Nitroaniline	10.563	138	175257	49.717	ng	98
63) Azobenzene	10.698	77	780361	43.824	ng	100
65) 4,6-Dinitro-2-methylph...	10.592	198	120214	50.654	ng	96
66) n-Nitrosodiphenylamine	10.657	169	669884	42.301	ng	100
67) 4-Bromophenyl-phenylether	11.028	248	233035	43.481	ng	98
68) Hexachlorobenzene	11.104	284	245838	43.886	ng	98
69) Atrazine	11.180	200	213830	48.978	ng	99
70) Pentachlorophenol	11.292	266	203492	61.771	ng	99
71) Phenanthrene	11.516	178	1030740	43.166	ng	99
72) Anthracene	11.563	178	1059988	43.525	ng	100
73) Carbazole	11.716	167	945375	44.456	ng	100
74) Di-n-butylphthalate	12.039	149	1168492	48.562	ng	100
75) Fluoranthene	12.698	202	1021799	46.620	ng	99
77) Benzidine	12.810	184	430639	44.091	ng	99
78) Pyrene	12.927	202	1010330	46.697	ng	100
80) Butylbenzylphthalate	13.539	149	392773	59.285	ng	98
81) Benzo(a)anthracene	14.116	228	764664	45.053	ng	100
82) 3,3'-Dichlorobenzidine	14.069	252	126532	22.368	ng	97
83) Chrysene	14.151	228	680186	44.573	ng	100
84) Bis(2-ethylhexyl)phtha...	14.098	149	515251	51.382	ng	100
85) Di-n-octyl phthalate	14.716	149	825088	45.393	ng	99
87) Indeno(1,2,3-cd)pyrene	17.168	276	840404	45.525	ng	99
88) Benzo(b)fluoranthene	15.186	252	713448	44.609	ng	99
89) Benzo(k)fluoranthene	15.215	252	663116	46.464	ng	99
90) Benzo(a)pyrene	15.563	252	672961	45.669	ng	99
91) Dibenzo(a,h)anthracene	17.192	278	679016	45.191	ng	98
92) Benzo(g,h,i)perylene	17.639	276	671436	46.196	ng	99

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

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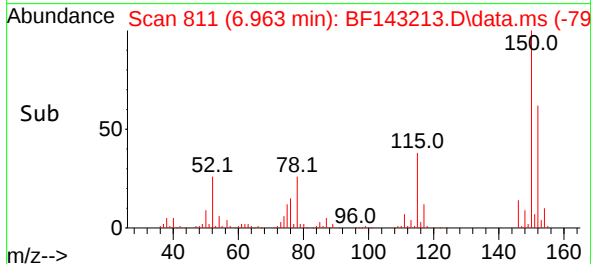
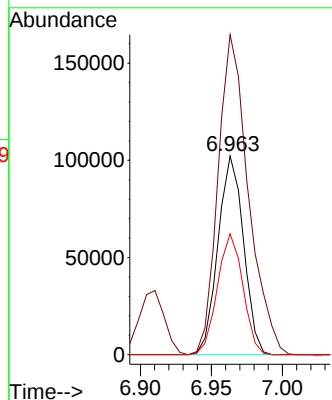
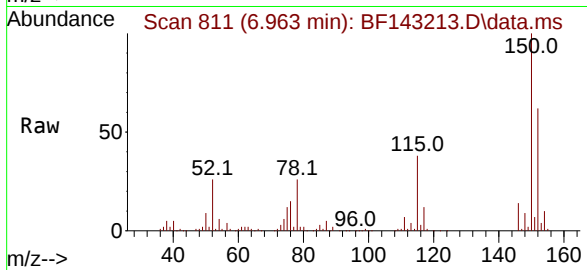




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.963 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: BF143213.D
 Acq: 23 Jul 2025 16:00

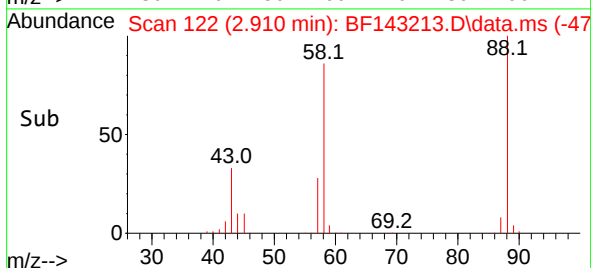
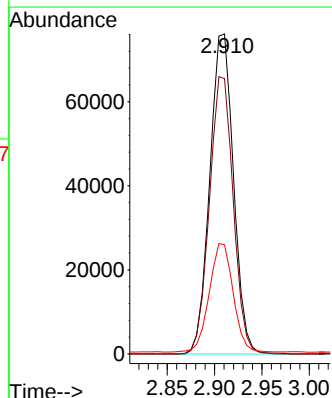
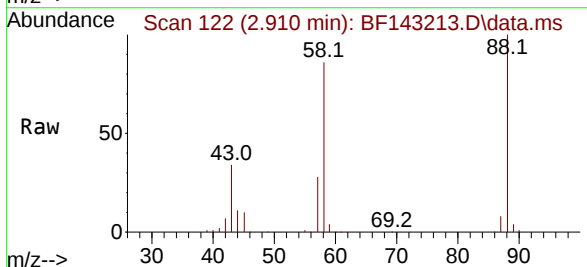
Instrument :
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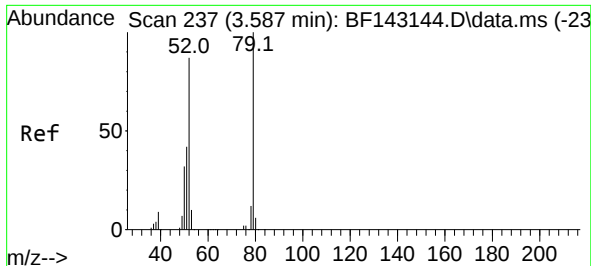
Tgt Ion:152 Resp: 127773
 Ion Ratio Lower Upper
 152 100
 150 161.0 128.2 192.4
 115 60.8 47.9 71.9



#2
 1,4-Dioxane
 Concen: 34.673 ng
 RT: 2.910 min Scan# 122
 Delta R.T. 0.088 min
 Lab File: BF143213.D
 Acq: 23 Jul 2025 16:00

Tgt Ion: 88 Resp: 132471
 Ion Ratio Lower Upper
 88 100
 58 87.2 70.2 105.2
 43 34.1 27.1 40.7





#3

Pyridine

Concen: 36.993 ng

RT: 3.657 min Scan# 24

Delta R.T. 0.071 min

Lab File: BF143213.D

Acq: 23 Jul 2025 16:00

Instrument :

BNA_F

ClientSampleId :

PB168954BS

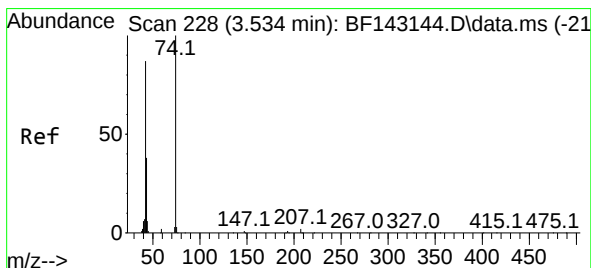
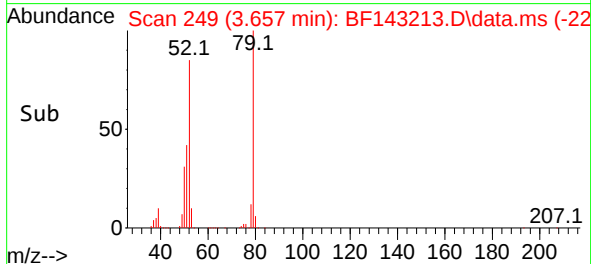
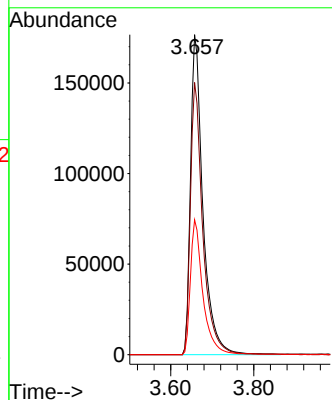
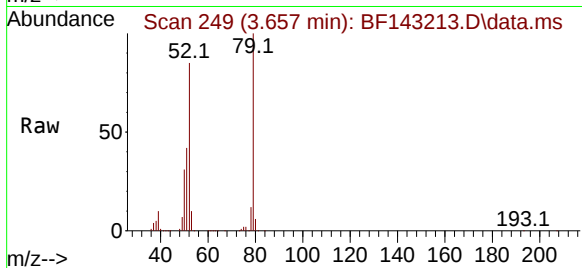
Tgt Ion: 79 Resp: 366838

Ion Ratio Lower Upper

79 100

52 85.0 69.4 104.2

51 42.2 33.5 50.3



#4

n-Nitrosodimethylamine

Concen: 42.002 ng

RT: 3.604 min Scan# 240

Delta R.T. 0.071 min

Lab File: BF143213.D

Acq: 23 Jul 2025 16:00

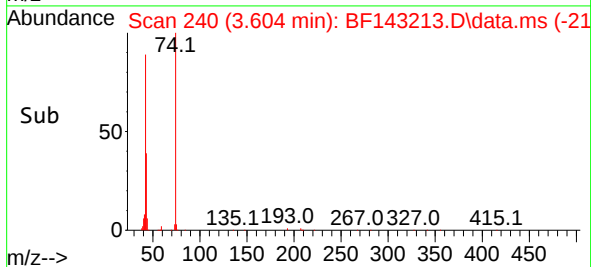
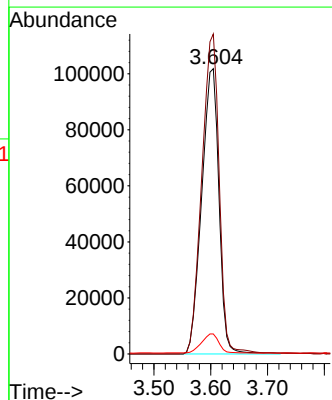
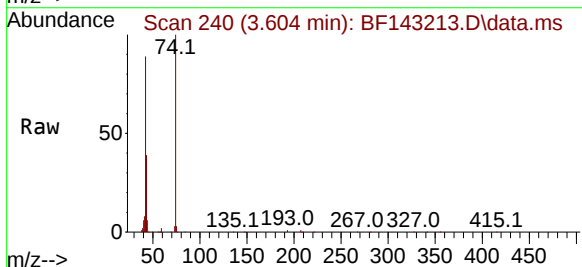
Tgt Ion: 42 Resp: 215046

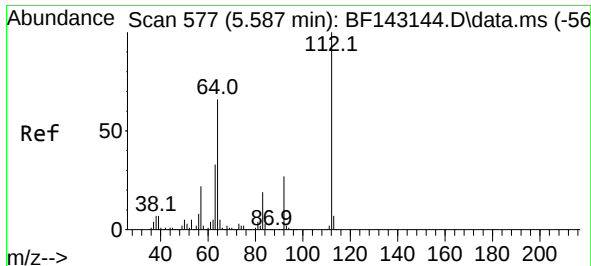
Ion Ratio Lower Upper

42 100

74 112.2 91.7 137.5

44 7.0 5.6 8.4

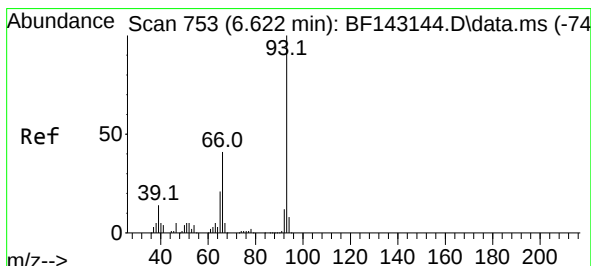
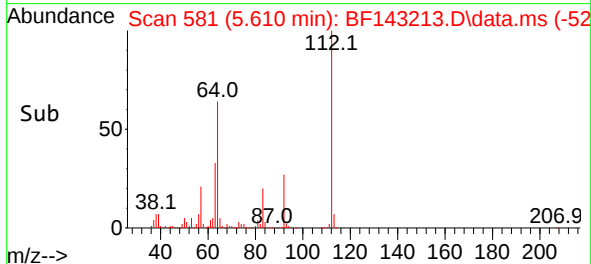
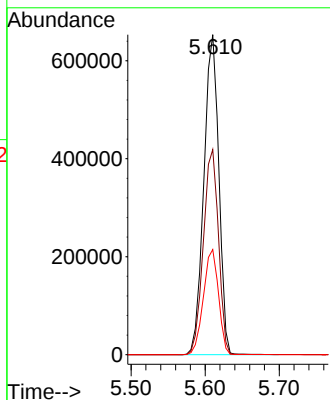
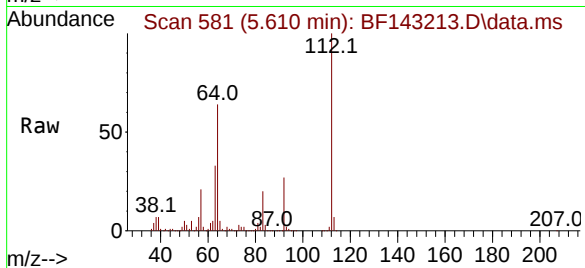




#5
2-Fluorophenol
Concen: 113.558 ng
RT: 5.610 min Scan# 51
Delta R.T. 0.024 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

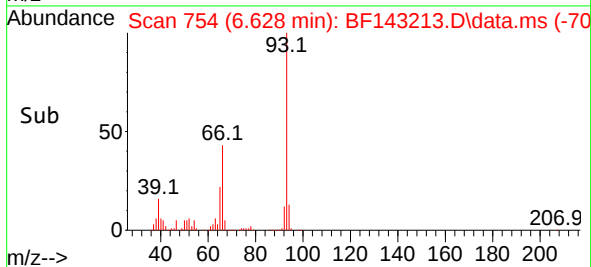
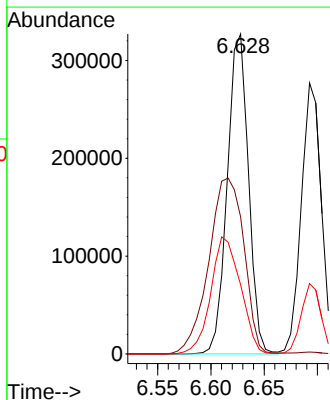
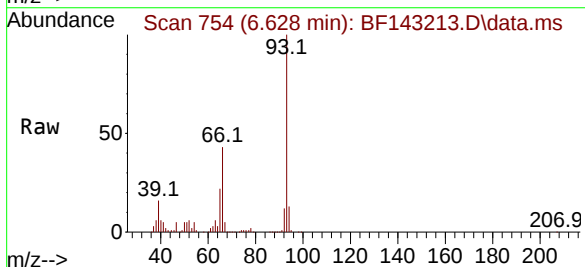
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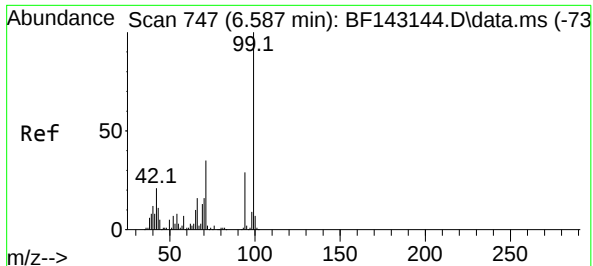
Tgt Ion:112 Resp: 916900
Ion Ratio Lower Upper
112 100
64 64.1 53.1 79.7
63 32.9 26.6 40.0



#6
Aniline
Concen: 32.012 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

Tgt Ion: 93 Resp: 453418
Ion Ratio Lower Upper
93 100
66 42.8 33.2 49.8
65 21.7 16.9 25.3



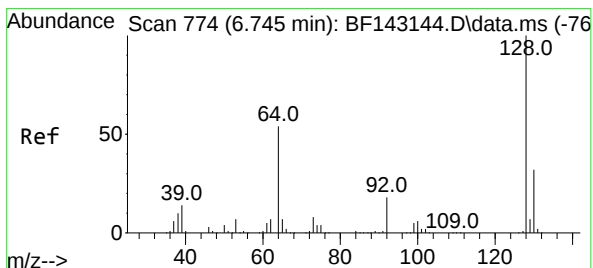
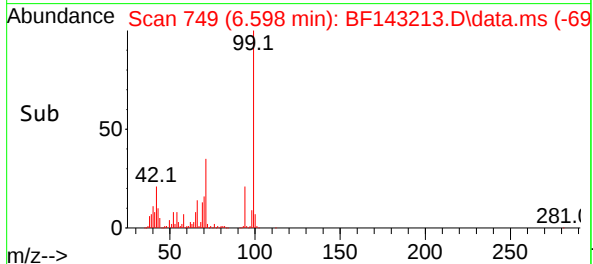
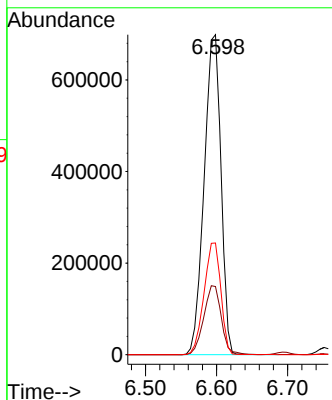
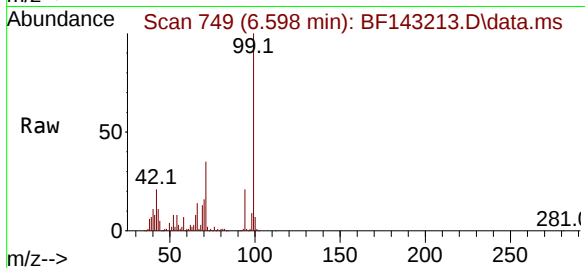


#7
Phenol-d6
Concen: 113.452 ng
RT: 6.598 min Scan# 747
Delta R.T. 0.012 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

Instrument :
BNA_F
ClientSampleId :
PB168954BS

Tgt Ion: 99 Resp: 1153015

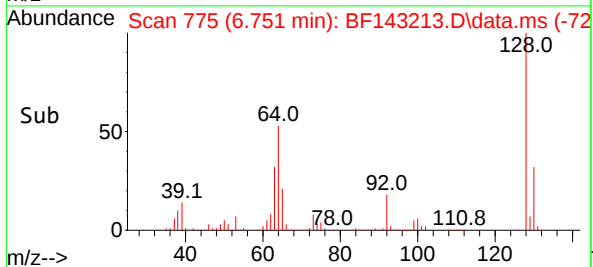
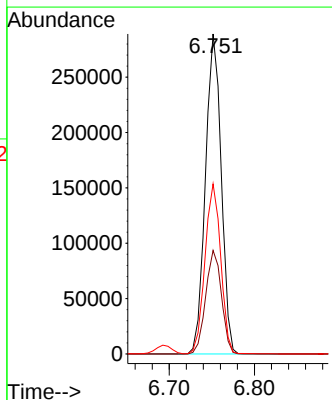
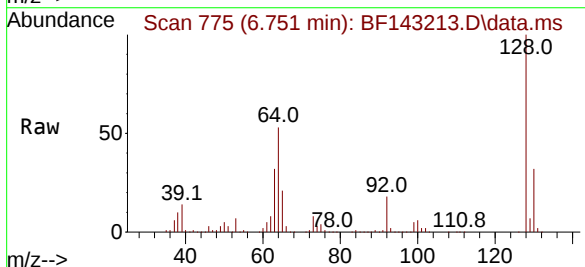
Ion	Ratio	Lower	Upper
99	100		
42	21.3	17.0	25.6
71	34.9	27.7	41.5

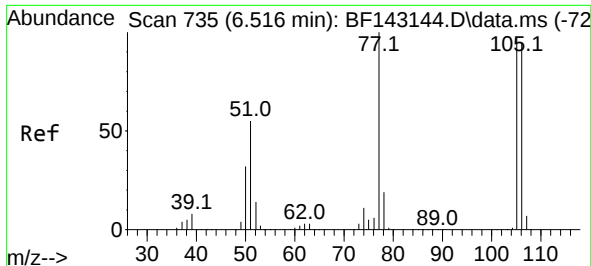


#8
2-Chlorophenol
Concen: 43.905 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

Tgt Ion: 128 Resp: 371590

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.3	52.3
64	53.2	35.9	75.9

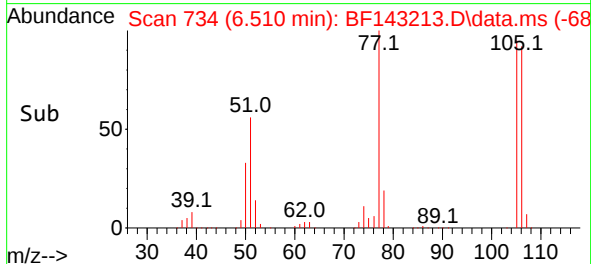
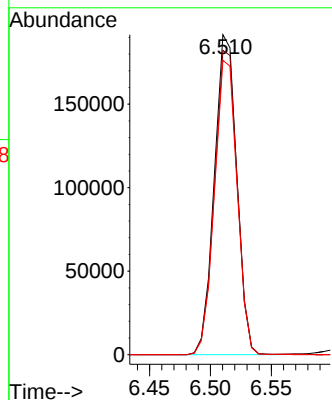
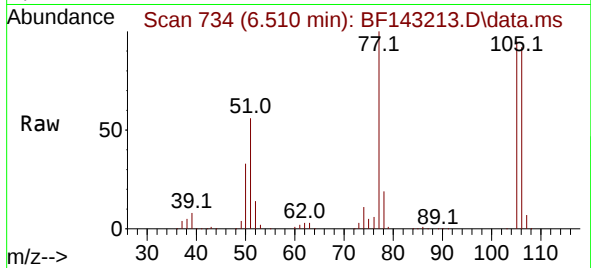




#9
Benzaldehyde
Concen: 32.156 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

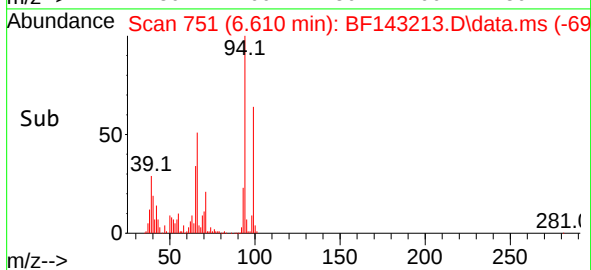
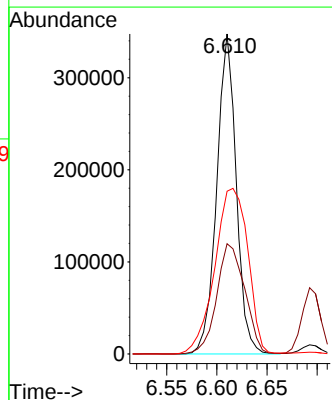
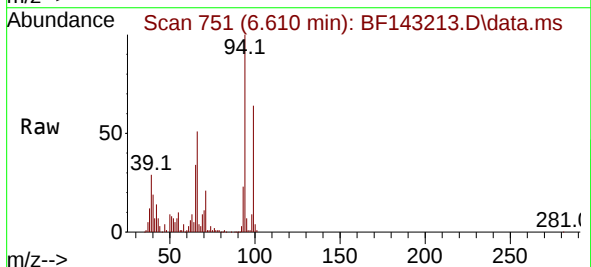
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 77 Resp: 245056
Ion Ratio Lower Upper
77 100
105 95.1 76.8 116.8
106 92.0 74.4 114.4



#10
Phenol
Concen: 42.440 ng
RT: 6.610 min Scan# 751
Delta R.T. 0.012 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

Tgt Ion: 94 Resp: 469882
Ion Ratio Lower Upper
94 100
65 34.4 10.0 50.0
66 50.8 20.8 60.8

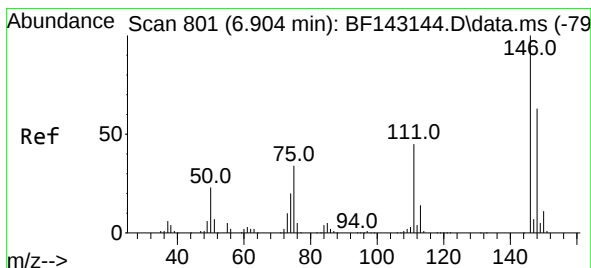
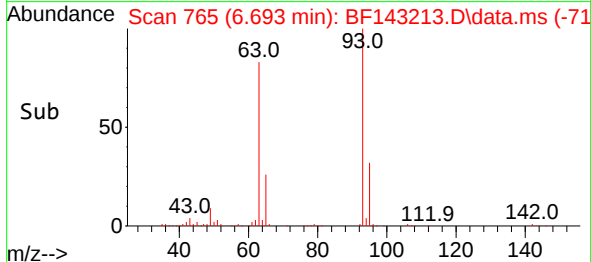
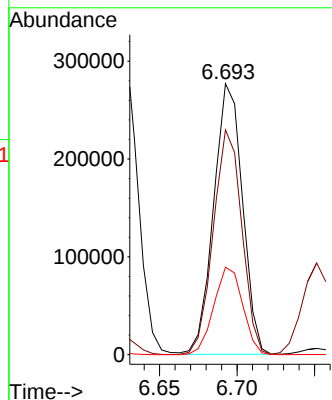
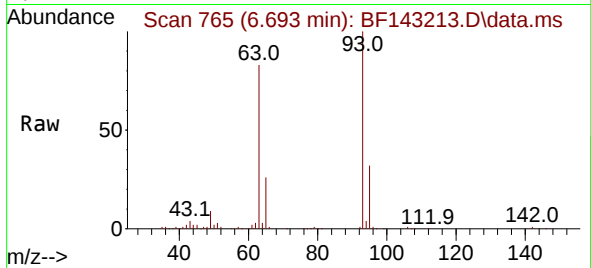




#11
bis(2-Chloroethyl)ether
Concen: 42.212 ng
RT: 6.693 min Scan# 765
Delta R.T. 0.000 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

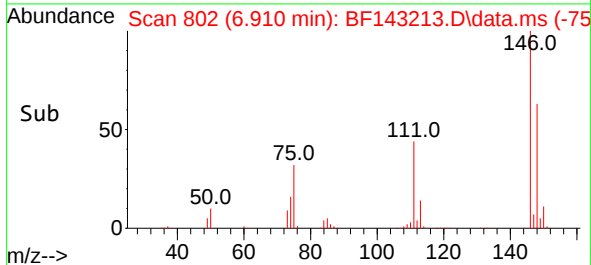
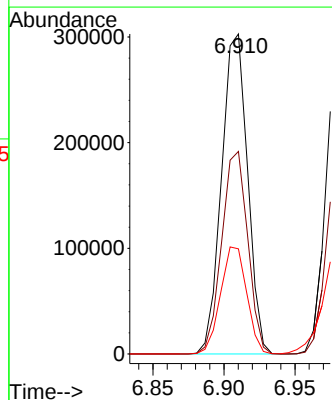
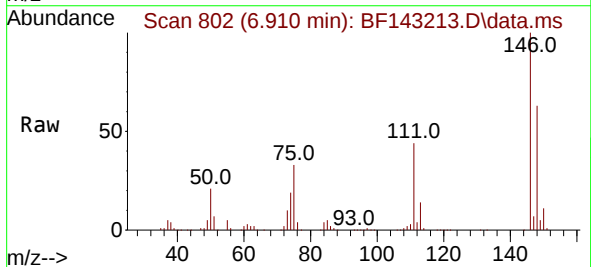
Instrument :
BNA_F
ClientSampleId :
PB168954BS

Tgt Ion: 93 Resp: 357840
Ion Ratio Lower Upper
93 100
63 82.9 63.4 103.4
95 32.3 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 42.005 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.006 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

Tgt Ion:146 Resp: 386199
Ion Ratio Lower Upper
146 100
148 63.3 50.6 76.0
75 32.8 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 42.488 ng

RT: 6.981 min Scan# 814

Delta R.T. 0.000 min

Lab File: BF143213.D

Acq: 23 Jul 2025 16:00

Instrument :

BNA_F

ClientSampleId :

PB168954BS

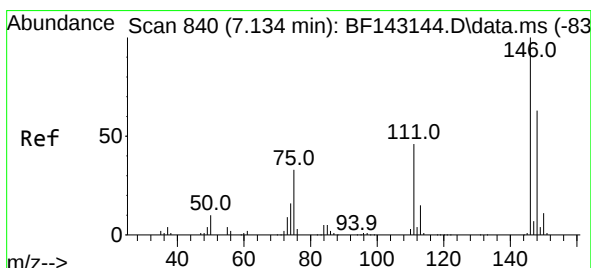
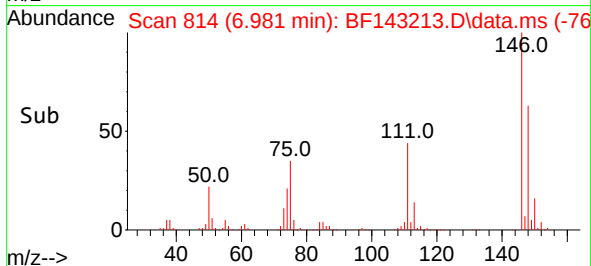
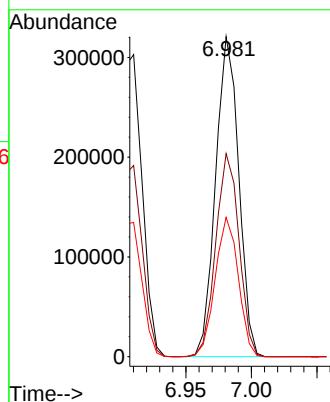
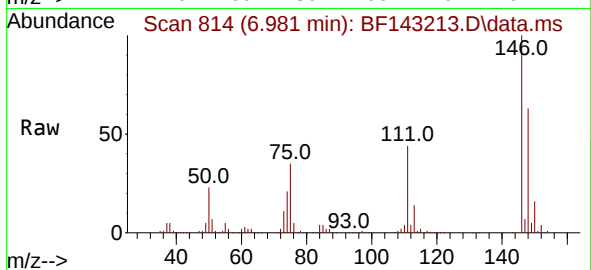
Tgt Ion:146 Resp: 393397

Ion Ratio Lower Upper

146 100

148 63.4 50.3 75.5

111 43.6 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 43.254 ng

RT: 7.134 min Scan# 840

Delta R.T. 0.000 min

Lab File: BF143213.D

Acq: 23 Jul 2025 16:00

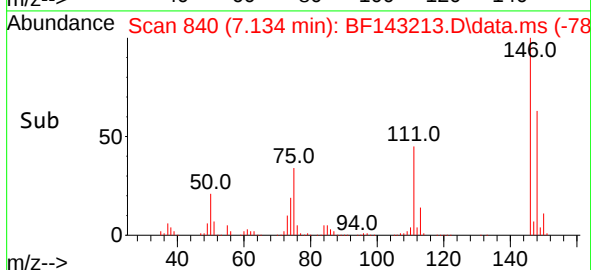
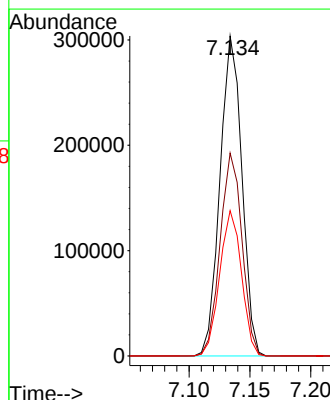
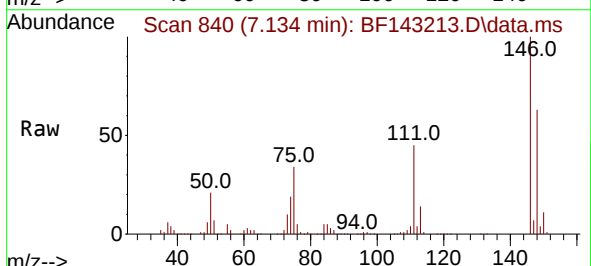
Tgt Ion:146 Resp: 380909

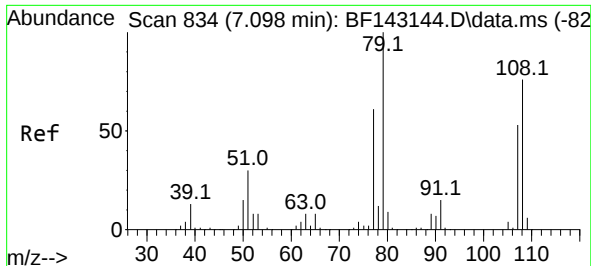
Ion Ratio Lower Upper

146 100

148 63.4 50.7 76.1

111 45.4 36.6 54.8

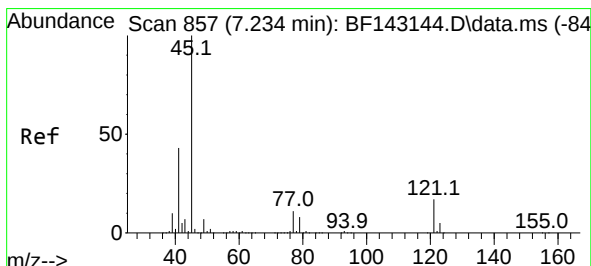
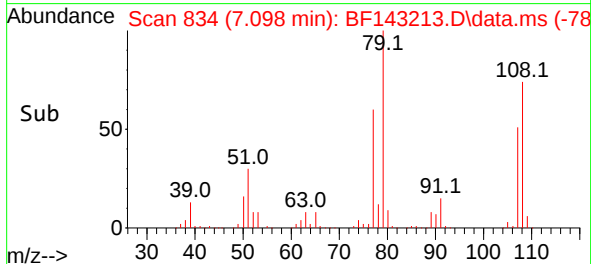
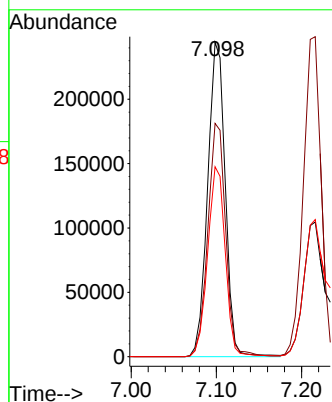
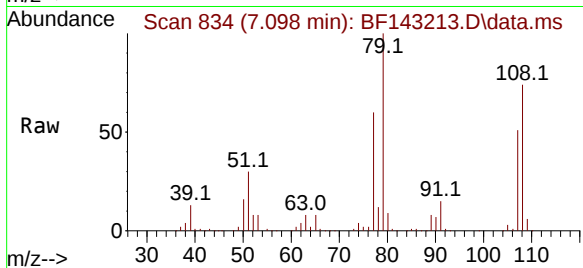




#15
Benzyl Alcohol
Concen: 45.072 ng
RT: 7.098 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

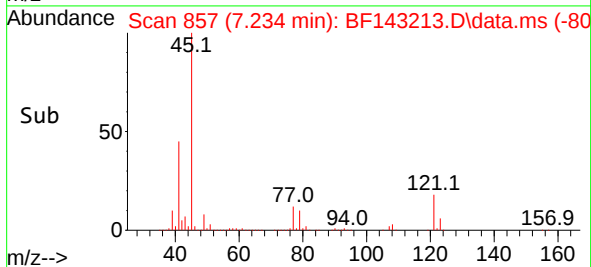
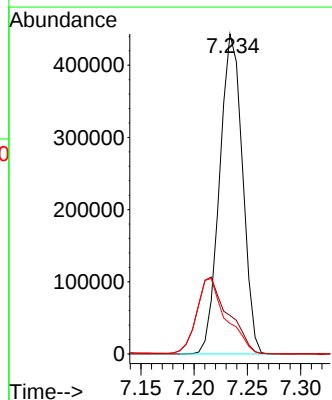
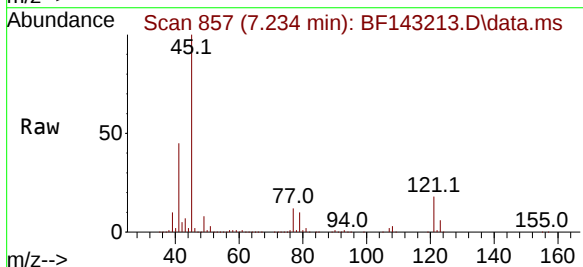
Instrument :
BNA_F
ClientSampleId :
PB168954BS

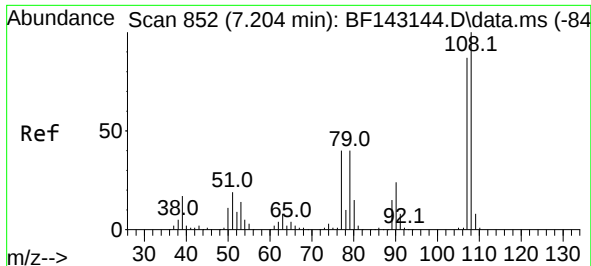
Tgt Ion: 79 Resp: 349759
Ion Ratio Lower Upper
79 100
108 74.2 61.1 91.7
77 60.4 48.9 73.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.015 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

Tgt Ion: 45 Resp: 660695
Ion Ratio Lower Upper
45 100
77 12.1 0.0 31.2
79 9.5 0.0 28.5

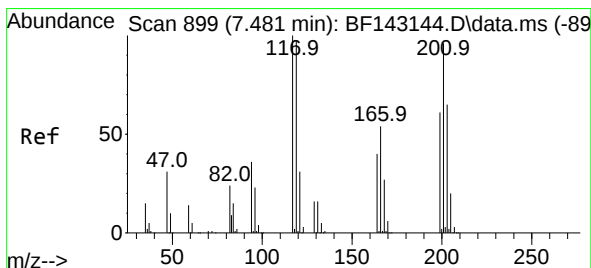
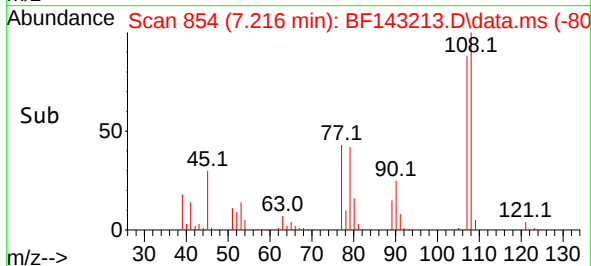
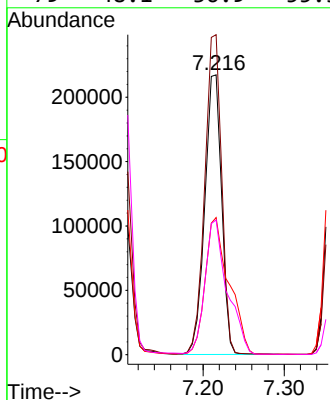
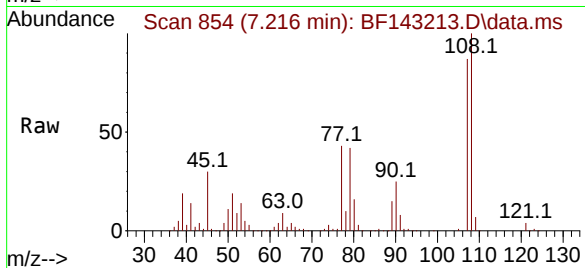




#17
2-Methylphenol
Concen: 43.893 ng
RT: 7.216 min Scan# 854
Delta R.T. 0.012 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

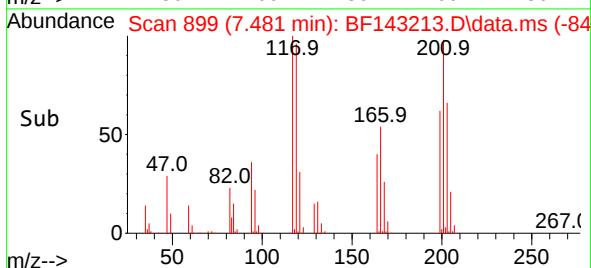
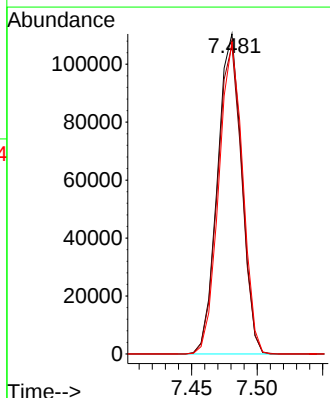
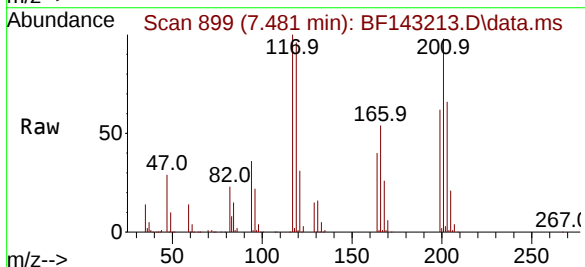
Instrument :
BNA_F
ClientSampleId :
PB168954BS

Tgt Ion:	107	Resp:	312356
Ion	Ratio	Lower	Upper
107	100		
108	114.4	91.8	137.6
77	49.0	37.0	55.6
79	48.1	36.9	55.3



#18
Hexachloroethane
Concen: 44.303 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

Tgt Ion:	117	Resp:	142004
Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.8	116.8
201	97.5	77.0	115.4



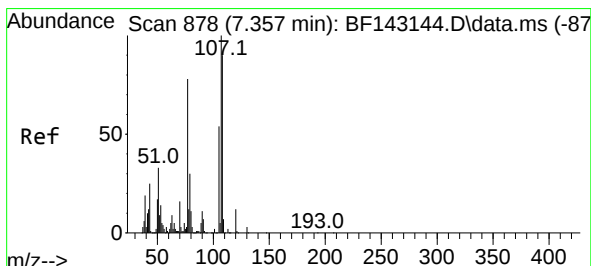
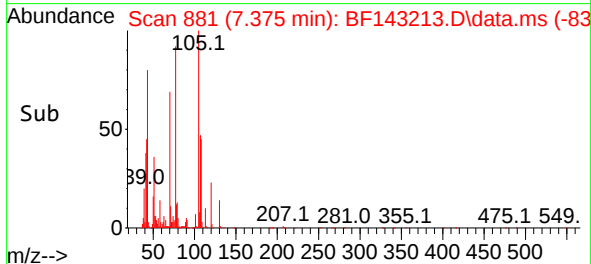
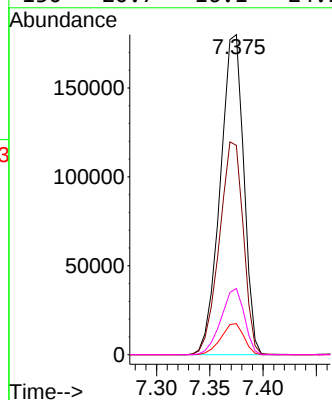
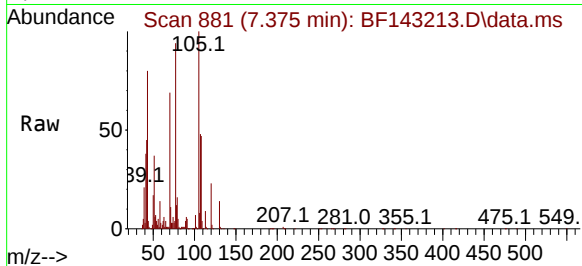


#19
n-Nitroso-di-n-propylamine
Concen: 42.261 ng
RT: 7.375 min Scan# 881
Delta R.T. 0.000 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

Instrument :
BNA_F
ClientSampleId :
PB168954BS

Tgt Ion: 70 Resp: 275552

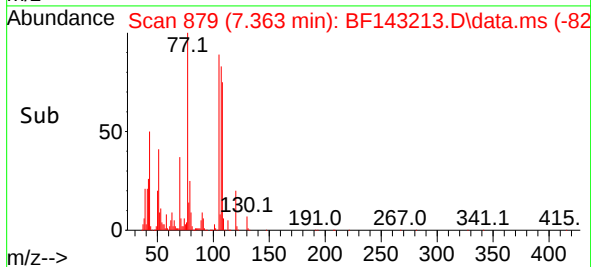
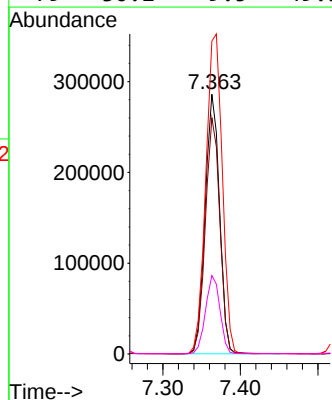
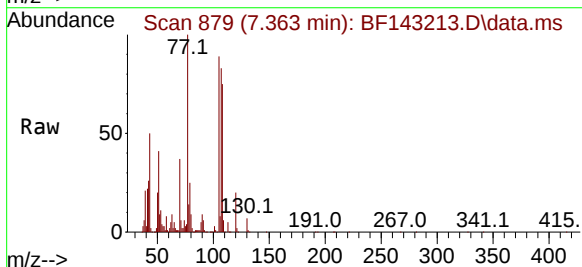
Ion	Ratio	Lower	Upper
70	100		
42	65.4	52.5	78.7
101	9.7	7.6	11.4
130	20.7	16.1	24.1

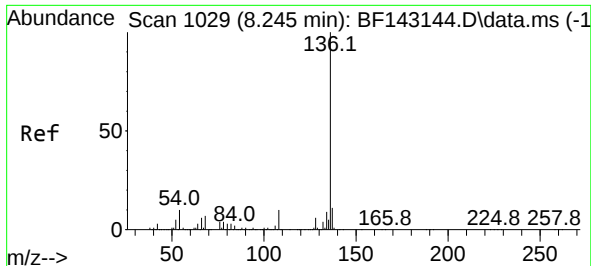


#20
3+4-Methylphenols
Concen: 42.722 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

Tgt Ion: 107 Resp: 368857

Ion	Ratio	Lower	Upper
107	100		
108	90.9	70.0	110.0
77	120.5	57.8	97.8#
79	30.2	9.5	49.5

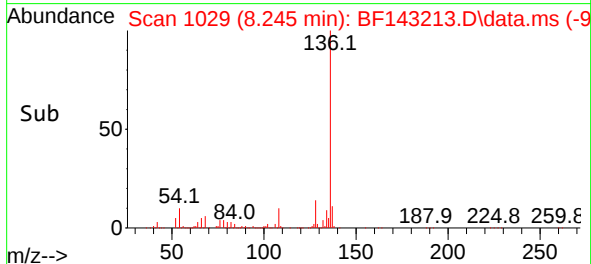
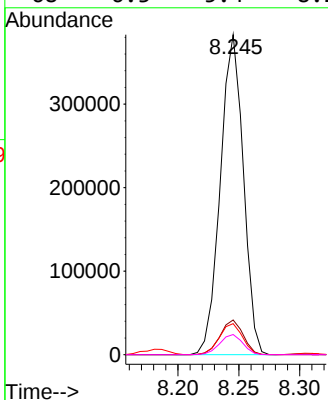
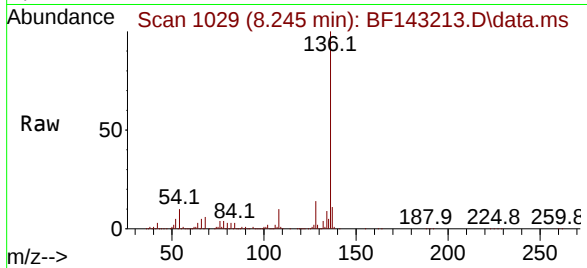




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

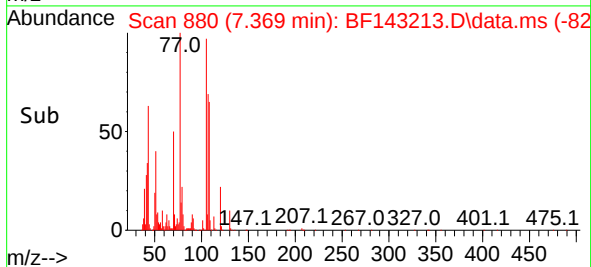
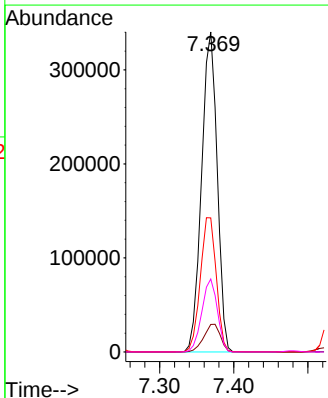
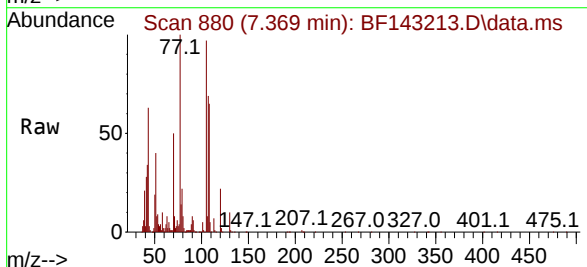
Instrument :
BNA_F
ClientSampleId :
PB168954BS

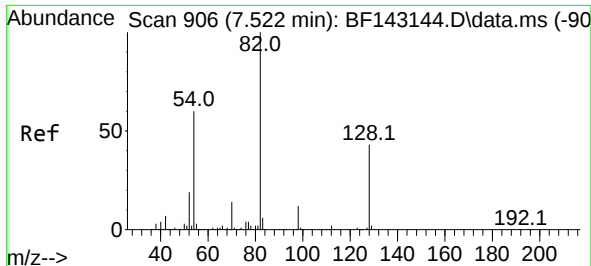
Tgt Ion:	136	Resp:	503486
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.7	8.2	12.2
68	6.3	5.4	8.2



#22
Acetophenone
Concen: 41.862 ng
RT: 7.369 min Scan# 880
Delta R.T. 0.000 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

Tgt Ion:	105	Resp:	498995
Ion	Ratio	Lower	Upper
105	100		
71	8.6	5.8	8.6
51	41.9	30.2	45.2
120	22.8	18.2	27.4

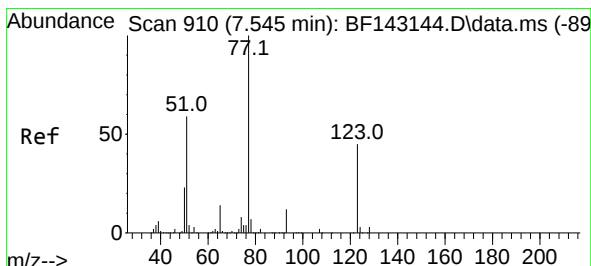
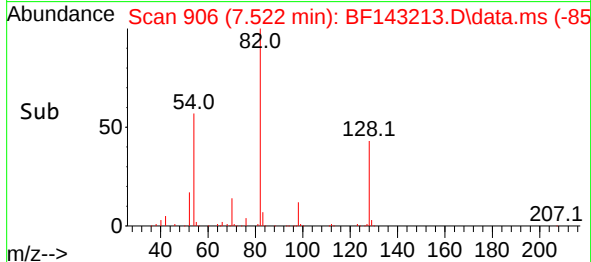
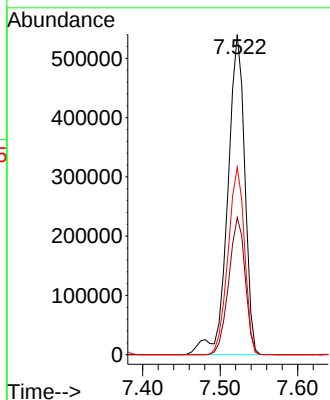
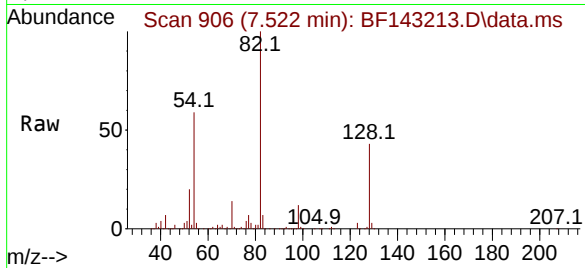




#23
Nitrobenzene-d5
Concen: 82.019 ng
RT: 7.522 min Scan# 906
Delta R.T. 0.000 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

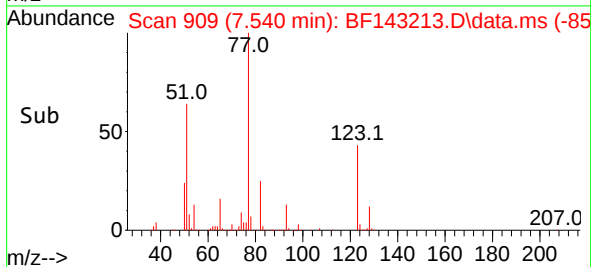
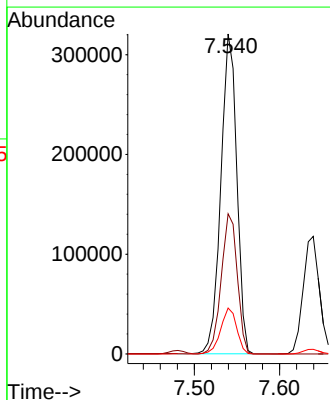
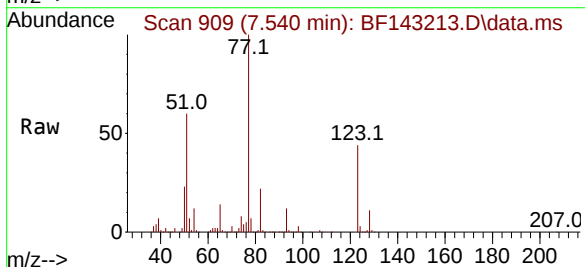
Instrument :
BNA_F
ClientSampleId :
PB168954BS

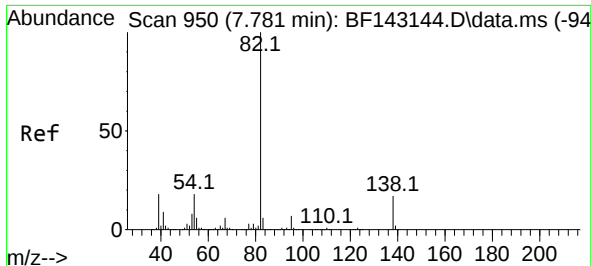
Tgt Ion: 82 Resp: 828442
Ion Ratio Lower Upper
82 100
128 42.9 33.6 50.4
54 58.6 47.1 70.7



#24
Nitrobenzene
Concen: 44.214 ng
RT: 7.540 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

Tgt Ion: 77 Resp: 416358
Ion Ratio Lower Upper
77 100
123 43.8 36.1 54.1
65 14.4 11.4 17.2

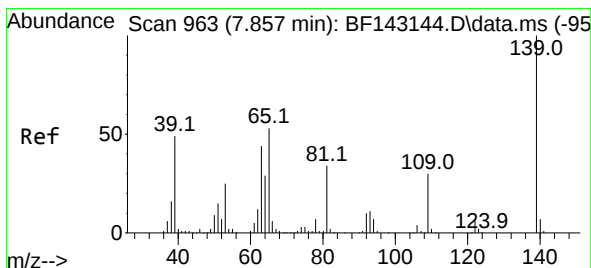
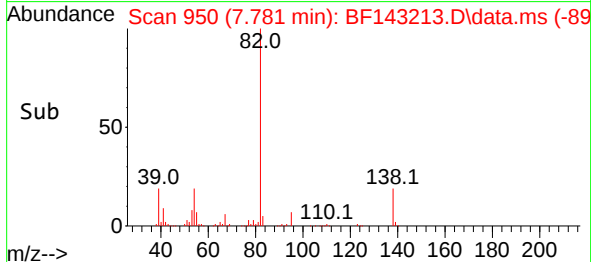
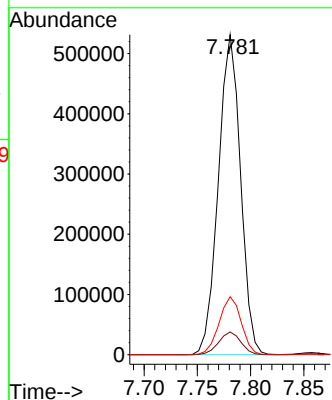
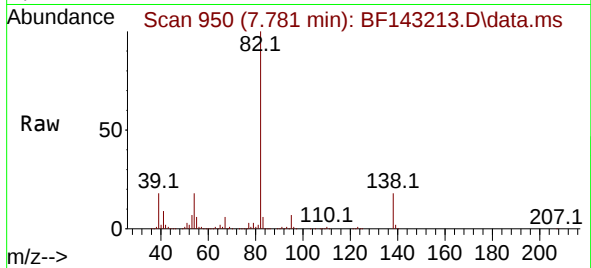




#25
Isophorone
Concen: 43.064 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.000 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

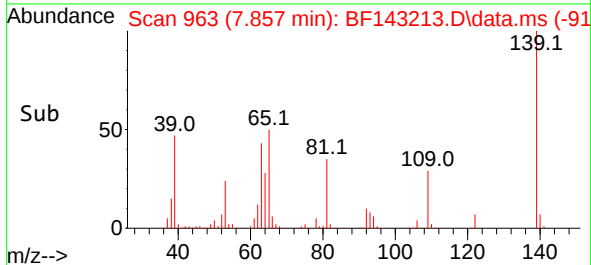
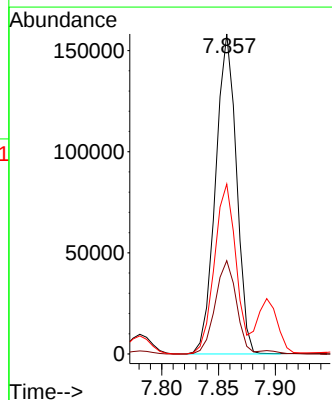
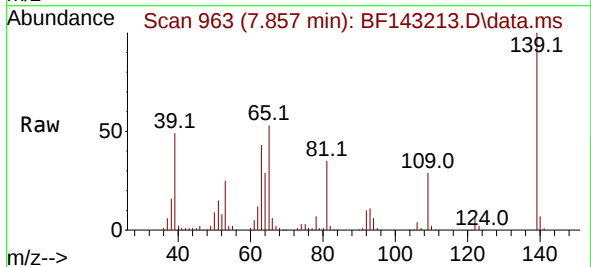
Instrument :
BNA_F
ClientSampleId :
PB168954BS

Tgt Ion: 82 Resp: 767871
Ion Ratio Lower Upper
82 100
95 7.1 5.5 8.3
138 18.1 13.8 20.8



#26
2-Nitrophenol
Concen: 49.640 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

Tgt Ion:139 Resp: 202876
Ion Ratio Lower Upper
139 100
109 29.2 23.6 35.4
65 53.1 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 42.392 ng

RT: 7.892 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF143213.D

Acq: 23 Jul 2025 16:00

Instrument :

BNA_F

ClientSampleId :

PB168954BS

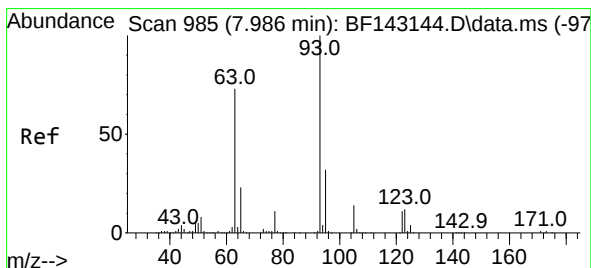
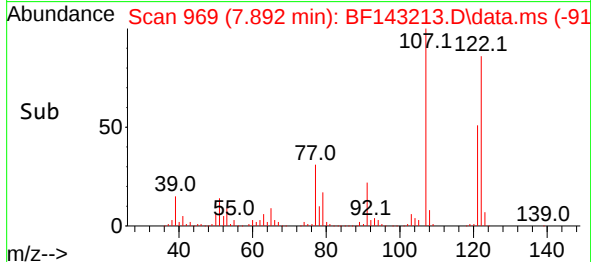
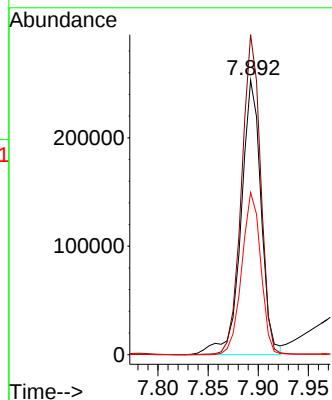
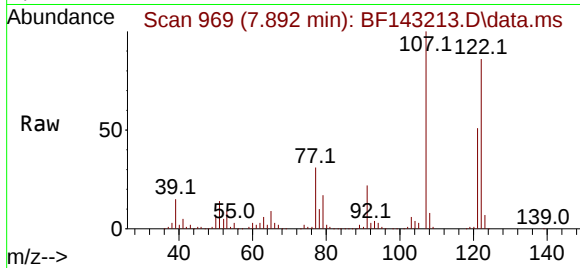
Tgt Ion:122 Resp: 353154

Ion Ratio Lower Upper

122 100

107 116.5 91.8 137.6

121 59.1 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 42.499 ng

RT: 7.987 min Scan# 985

Delta R.T. 0.000 min

Lab File: BF143213.D

Acq: 23 Jul 2025 16:00

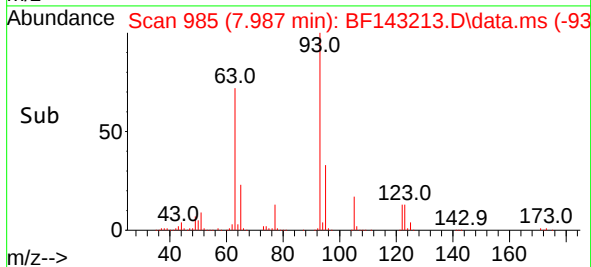
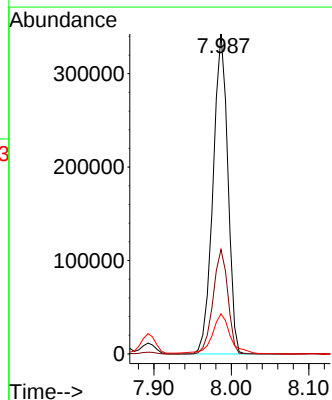
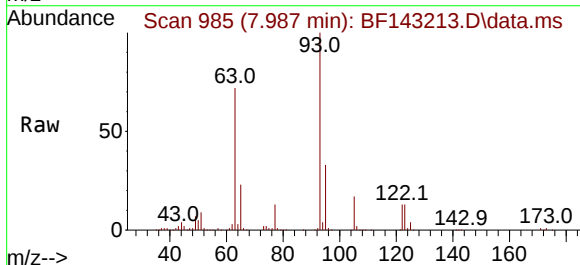
Tgt Ion: 93 Resp: 454347

Ion Ratio Lower Upper

93 100

95 32.6 25.8 38.6

123 12.5 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 43.967 ng

RT: 8.098 min Scan# 1004

Delta R.T. 0.000 min

Lab File: BF143213.D

Acq: 23 Jul 2025 16:00

Instrument :

BNA_F

ClientSampleId :

PB168954BS

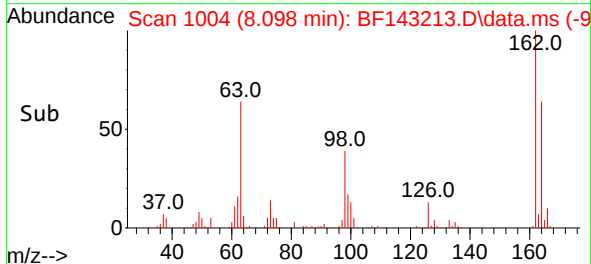
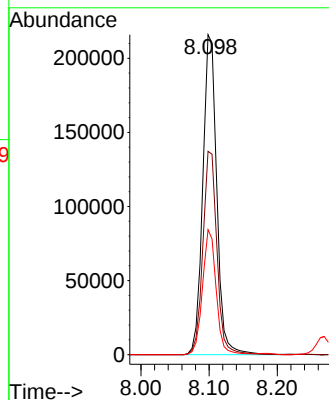
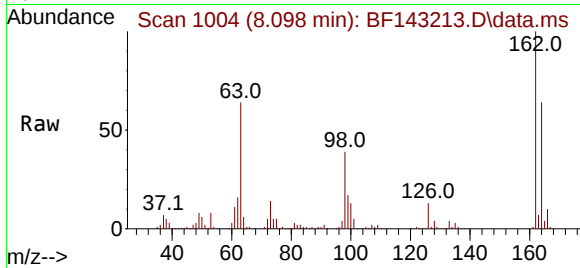
Tgt Ion:162 Resp: 308890

Ion Ratio Lower Upper

162 100

164 63.5 44.2 84.2

98 39.1 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 43.389 ng

RT: 8.187 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF143213.D

Acq: 23 Jul 2025 16:00

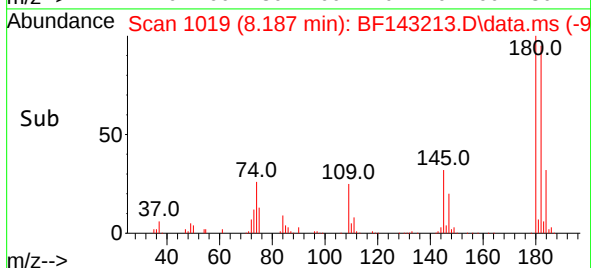
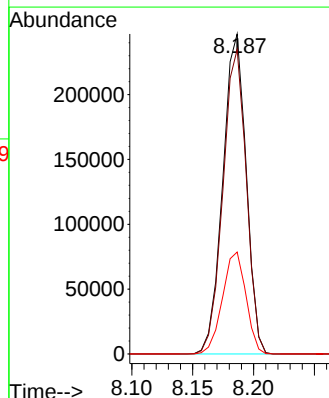
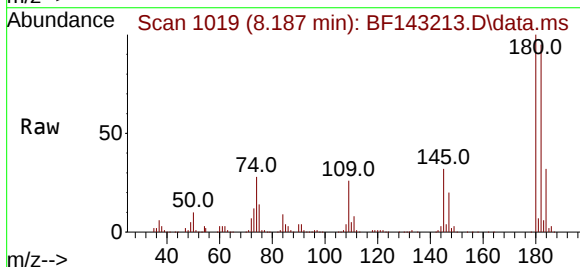
Tgt Ion:180 Resp: 329323

Ion Ratio Lower Upper

180 100

182 95.2 76.2 114.2

145 31.8 25.0 37.6

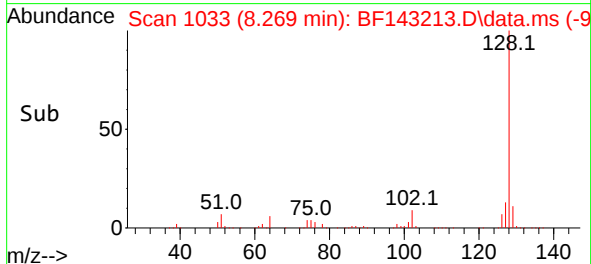
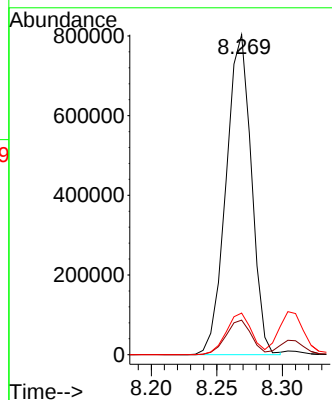
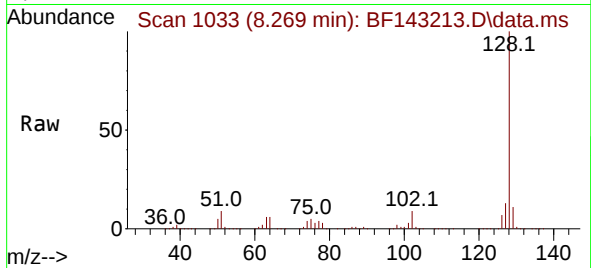




#31
Naphthalene
Concen: 43.425 ng
RT: 8.269 min Scan# 1033
Delta R.T. 0.000 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

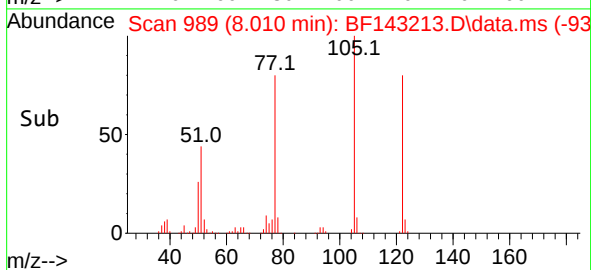
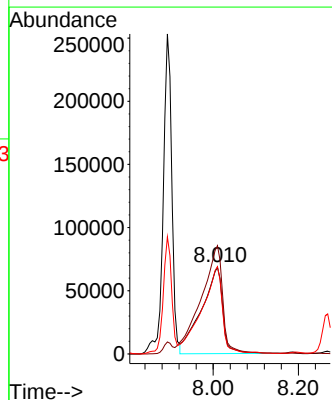
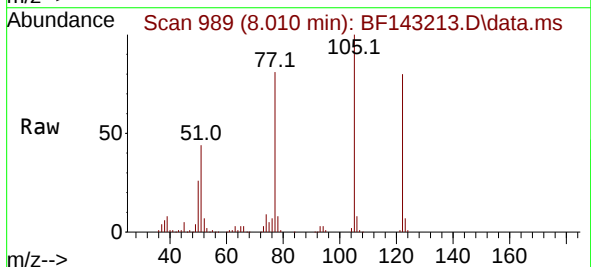
Instrument :
BNA_F
ClientSampleId :
PB168954BS

Tgt Ion:128 Resp: 1076778
Ion Ratio Lower Upper
128 100
129 10.8 9.0 13.4
127 13.0 10.6 16.0



#32
Benzoic acid
Concen: 50.344 ng
RT: 8.010 min Scan# 989
Delta R.T. 0.018 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

Tgt Ion:122 Resp: 237583
Ion Ratio Lower Upper
122 100
105 125.1 104.8 144.8
77 100.9 77.6 117.6

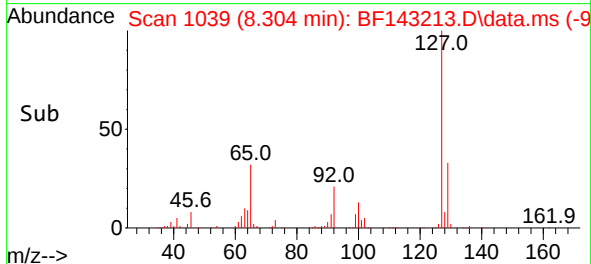
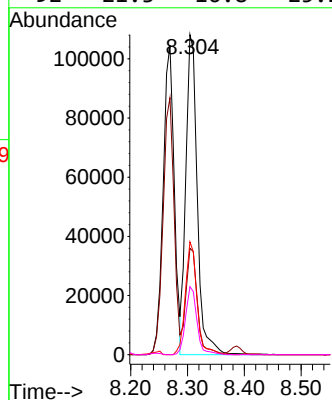
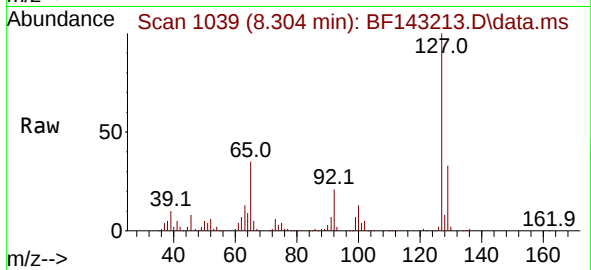




#33
4-Chloroaniline
Concen: 14.956 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

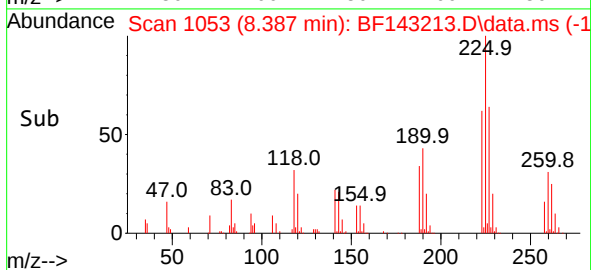
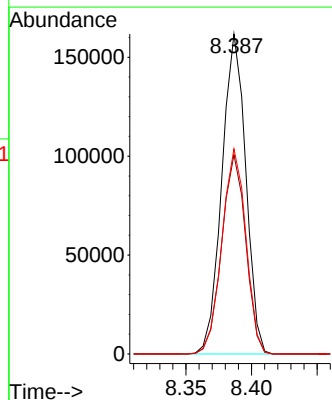
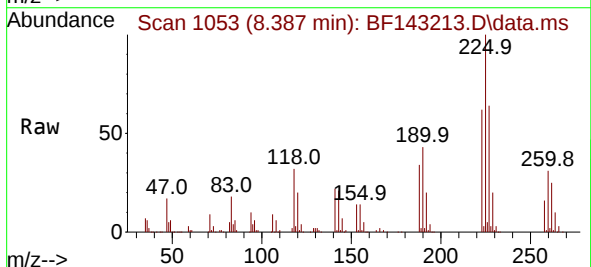
Instrument :
BNA_F
ClientSampleId :
PB168954BS

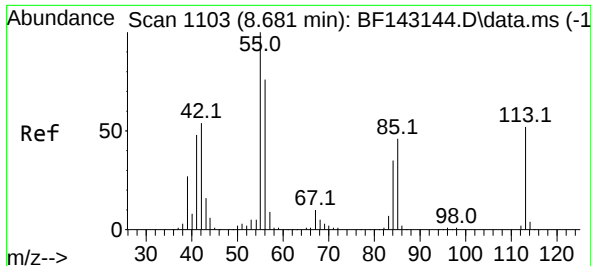
Tgt Ion:	127	Resp:	151427
Ion Ratio	Lower	Upper	
127	100		
129	33.3	26.0	39.0
65	35.3	27.4	41.2
92	21.3	16.8	25.2



#34
Hexachlorobutadiene
Concen: 44.172 ng
RT: 8.387 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

Tgt Ion:	225	Resp:	204807
Ion Ratio	Lower	Upper	
225	100		
223	62.3	49.8	74.6
227	64.1	50.2	75.4

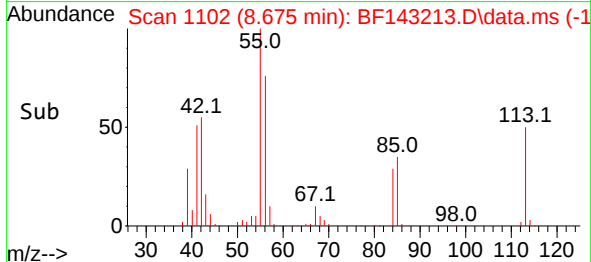
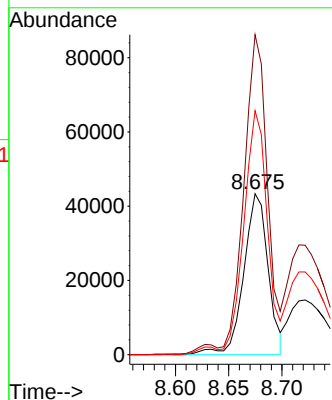
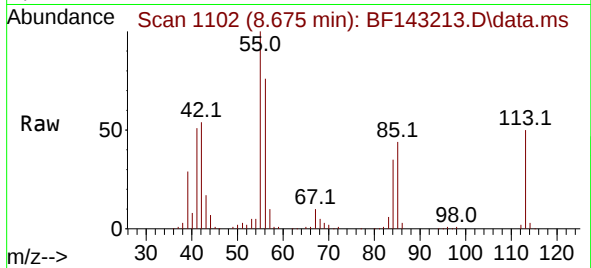




#35
 Caprolactam
 Concen: 32.481 ng
 RT: 8.675 min Scan# 1103
 Delta R.T. -0.006 min
 Lab File: BF143213.D
 Acq: 23 Jul 2025 16:00

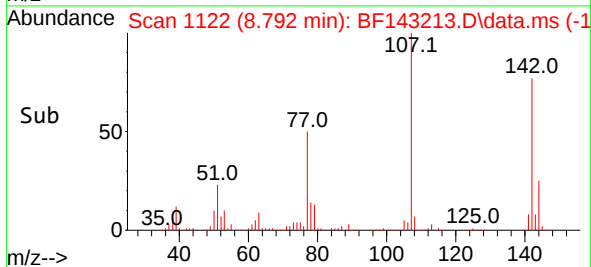
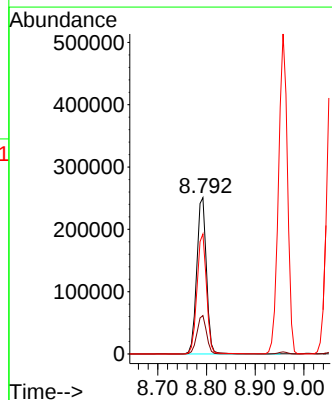
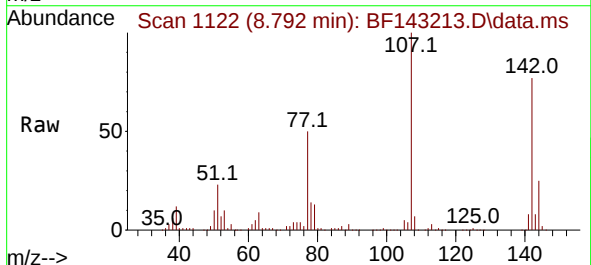
Instrument :
 BNA_F
 ClientSampleId :
 PB168954BS

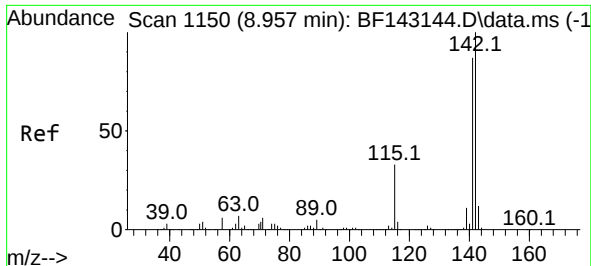
Tgt Ion:113 Resp: 68958
 Ion Ratio Lower Upper
 113 100
 55 198.8 174.0 214.0
 56 151.6 126.6 166.6



#36
 4-Chloro-3-methylphenol
 Concen: 45.686 ng
 RT: 8.792 min Scan# 1122
 Delta R.T. 0.012 min
 Lab File: BF143213.D
 Acq: 23 Jul 2025 16:00

Tgt Ion:107 Resp: 348866
 Ion Ratio Lower Upper
 107 100
 144 24.6 19.8 29.6
 142 76.8 60.6 90.8





#37

2-Methylnaphthalene

Concen: 43.644 ng

RT: 8.957 min Scan# 1150

Delta R.T. 0.000 min

Lab File: BF143213.D

Acq: 23 Jul 2025 16:00

Instrument :

BNA_F

ClientSampleId :

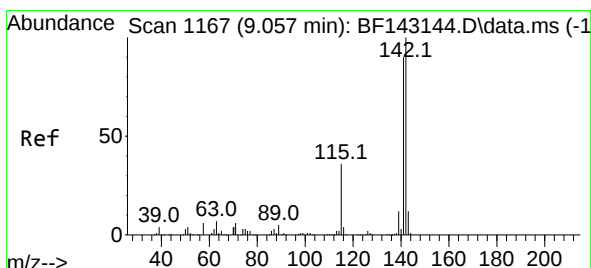
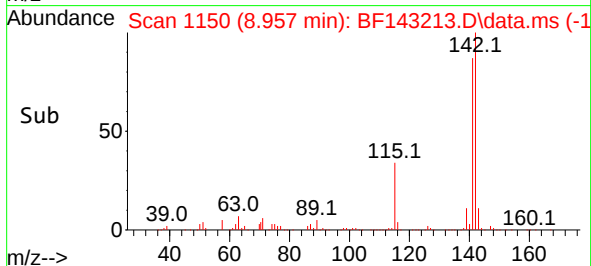
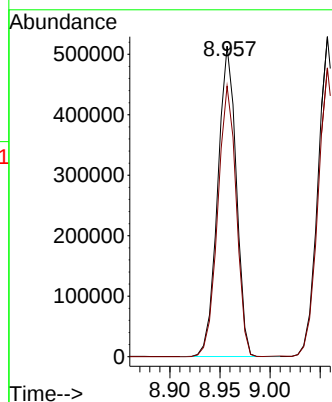
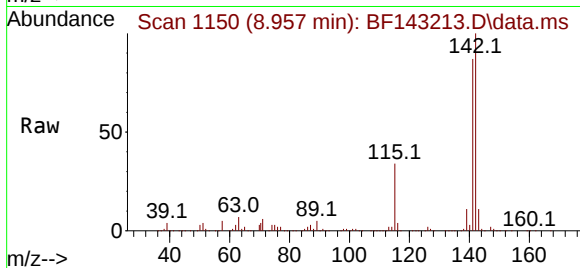
PB168954BS

Tgt Ion:142 Resp: 658532

Ion Ratio Lower Upper

142 100

141 87.1 69.9 104.9



#38

1-Methylnaphthalene

Concen: 43.462 ng

RT: 9.057 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF143213.D

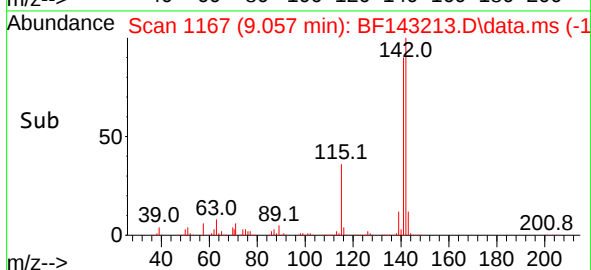
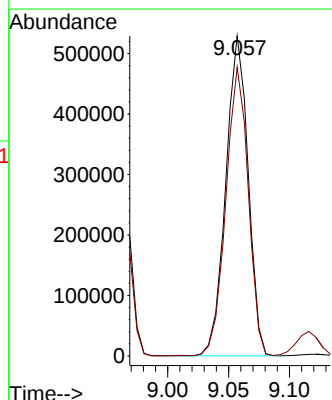
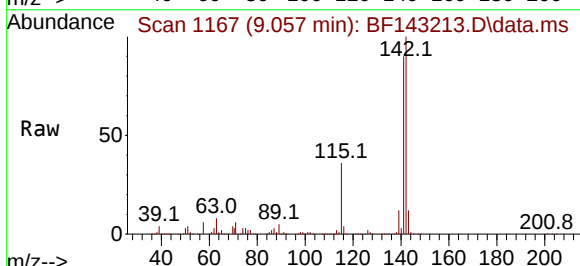
Acq: 23 Jul 2025 16:00

Tgt Ion:142 Resp: 675295

Ion Ratio Lower Upper

142 100

141 90.3 72.3 108.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF143213.D

Acq: 23 Jul 2025 16:00

Instrument :

BNA_F

ClientSampleId :

PB168954BS

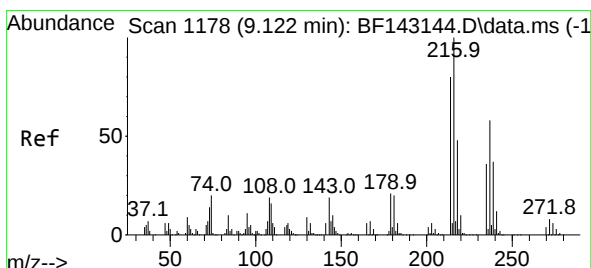
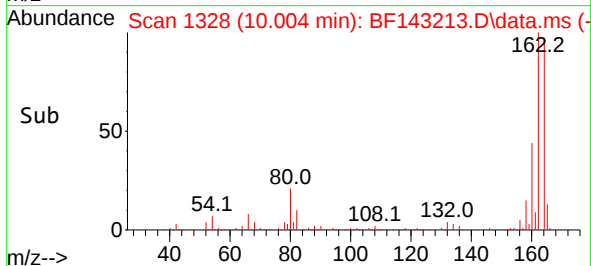
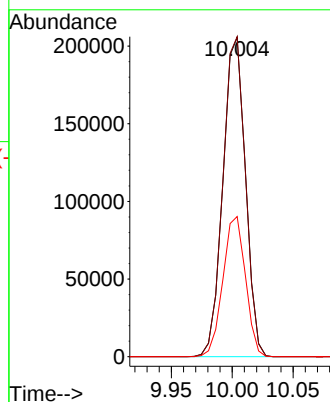
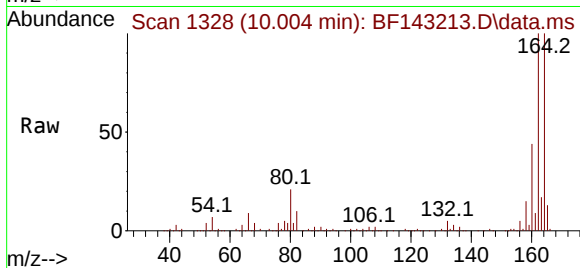
Tgt Ion:164 Resp: 265187

Ion Ratio Lower Upper

164 100

162 100.2 79.0 118.6

160 43.9 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 41.961 ng

RT: 9.128 min Scan# 1179

Delta R.T. 0.006 min

Lab File: BF143213.D

Acq: 23 Jul 2025 16:00

Tgt Ion:216 Resp: 321264

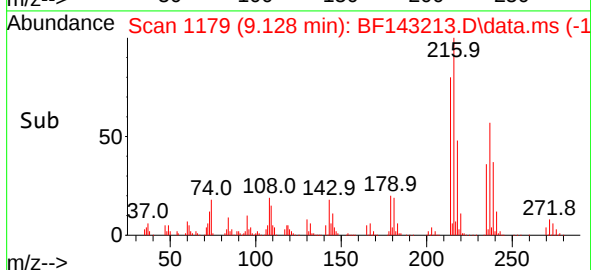
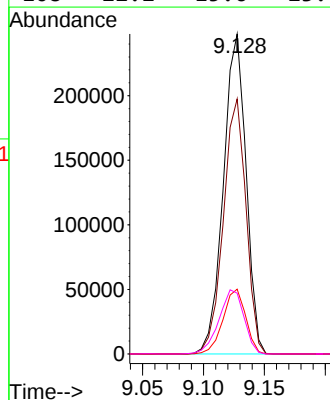
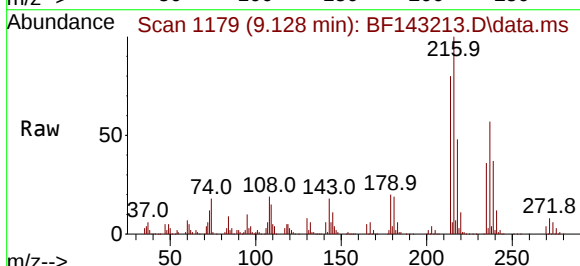
Ion Ratio Lower Upper

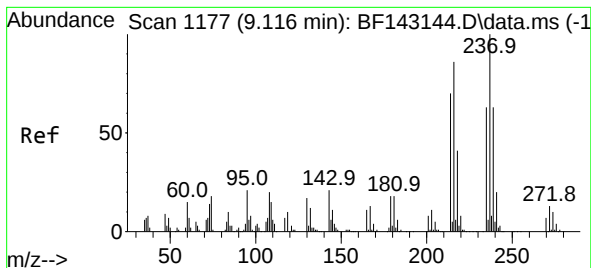
216 100

214 79.4 63.8 95.8

179 20.3 16.4 24.6

108 22.2 15.6 23.4





#41

Hexachlorocyclopentadiene

Concen: 89.952 ng

RT: 9.116 min Scan# 1177

Delta R.T. 0.000 min

Lab File: BF143213.D

Acq: 23 Jul 2025 16:00

Instrument :

BNA_F

ClientSampleId :

PB168954BS

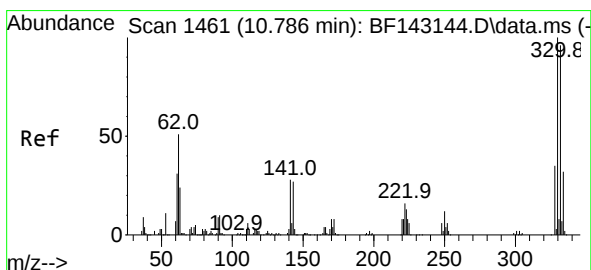
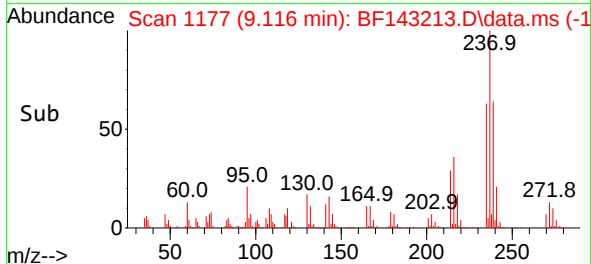
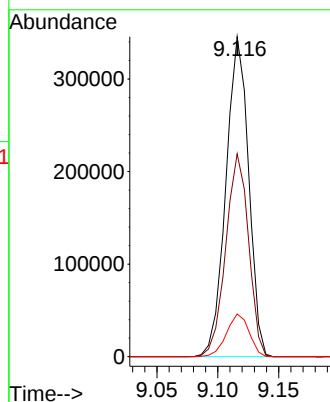
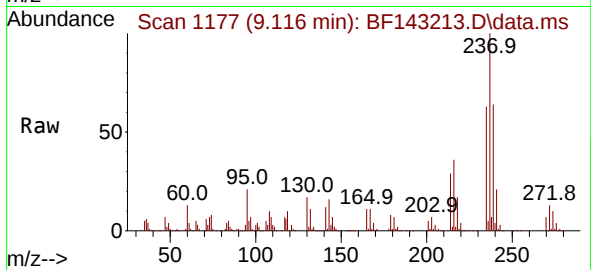
Tgt Ion:237 Resp: 448113

Ion Ratio Lower Upper

237 100

235 63.4 43.0 83.0

272 13.4 0.0 33.3



#42

2,4,6-Tribromophenol

Concen: 125.615 ng

RT: 10.792 min Scan# 1462

Delta R.T. 0.006 min

Lab File: BF143213.D

Acq: 23 Jul 2025 16:00

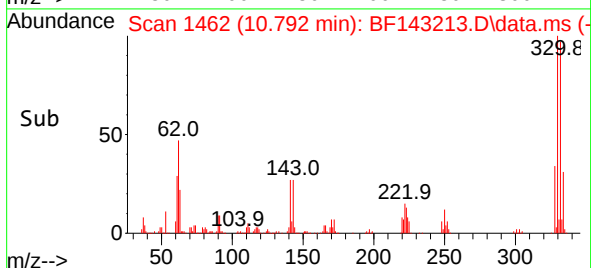
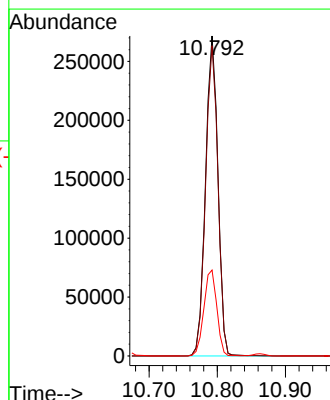
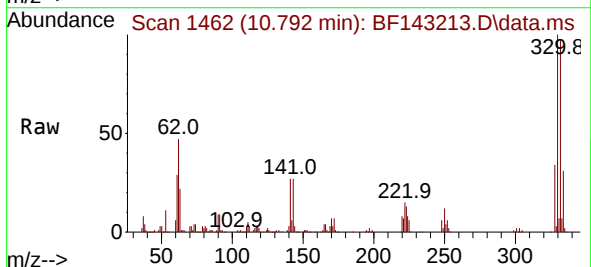
Tgt Ion:330 Resp: 344125

Ion Ratio Lower Upper

330 100

332 96.8 76.7 115.1

141 28.1 23.3 34.9

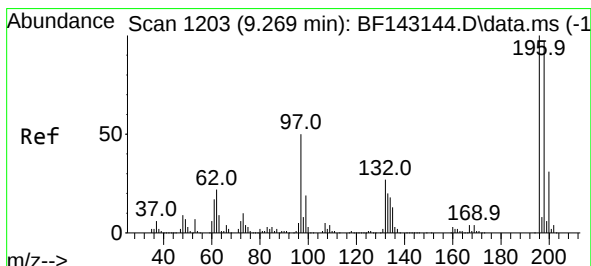
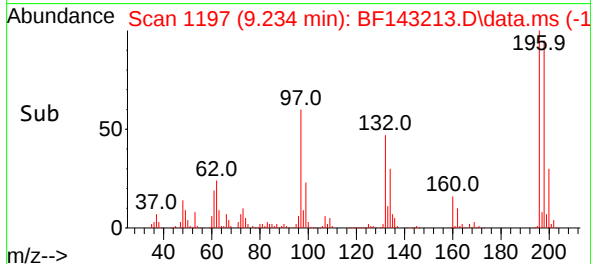
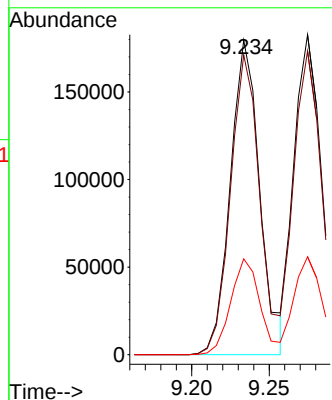
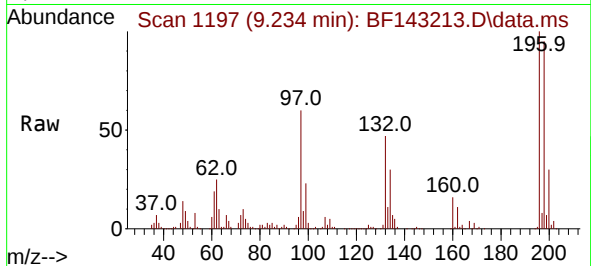




#43
2,4,6-Trichlorophenol
Concen: 44.718 ng
RT: 9.234 min Scan# 1196
Delta R.T. 0.006 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

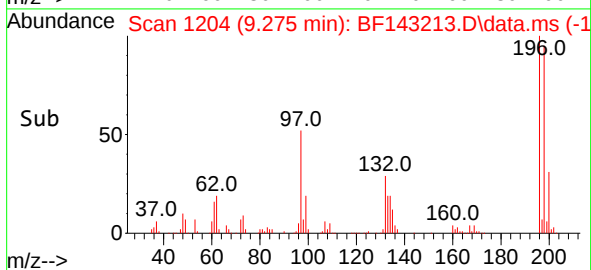
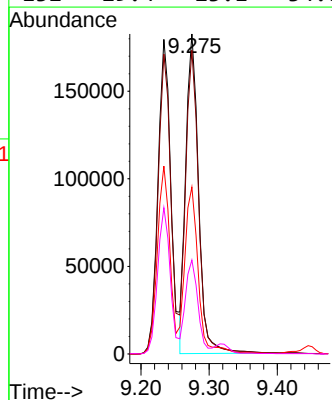
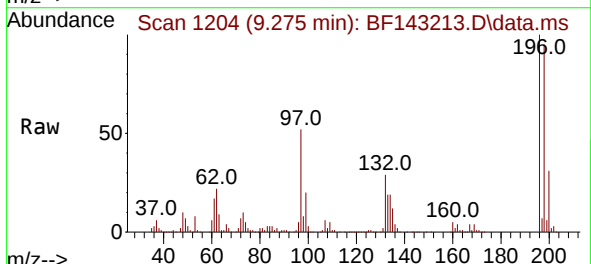
Instrument :
BNA_F
ClientSampleId :
PB168954BS

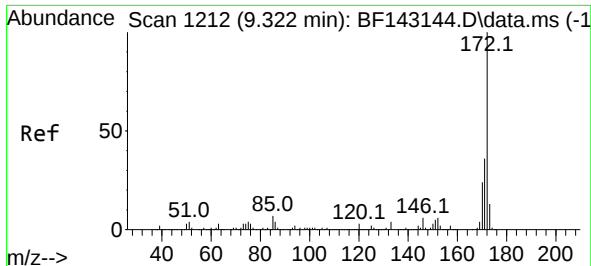
Tgt Ion:196 Resp: 236950
Ion Ratio Lower Upper
196 100
198 95.3 76.2 114.2
200 30.5 23.9 35.9



#44
2,4,5-Trichlorophenol
Concen: 44.660 ng
RT: 9.275 min Scan# 1204
Delta R.T. 0.006 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

Tgt Ion:196 Resp: 236712
Ion Ratio Lower Upper
196 100
198 94.9 77.3 115.9
97 52.2 40.3 60.5
132 29.4 23.1 34.7

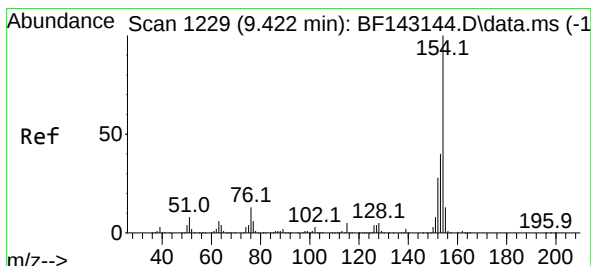
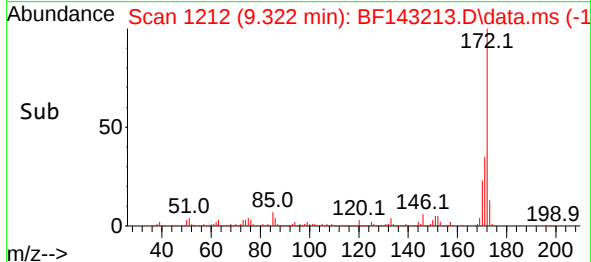
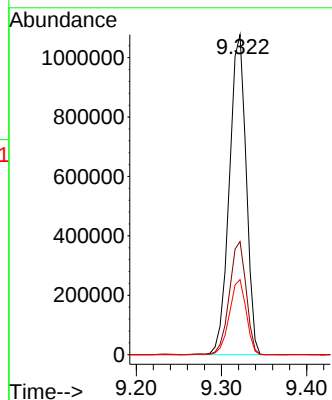
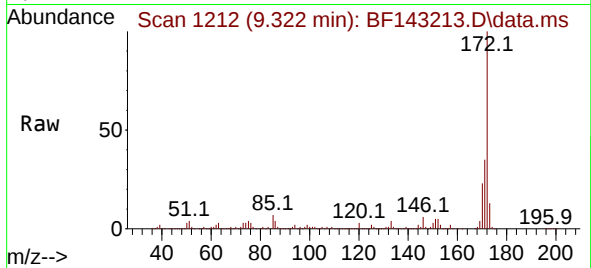




#45
2-Fluorobiphenyl
Concen: 76.072 ng
RT: 9.322 min Scan# 1212
Delta R.T. 0.000 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

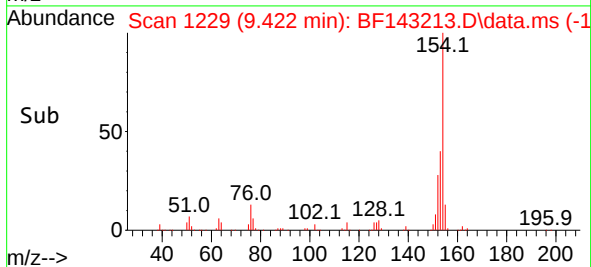
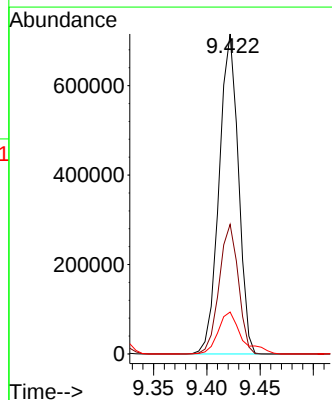
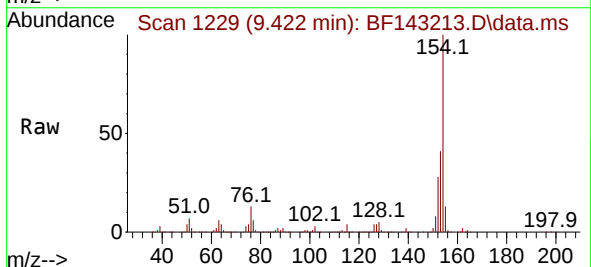
Instrument :
BNA_F
ClientSampleId :
PB168954BS

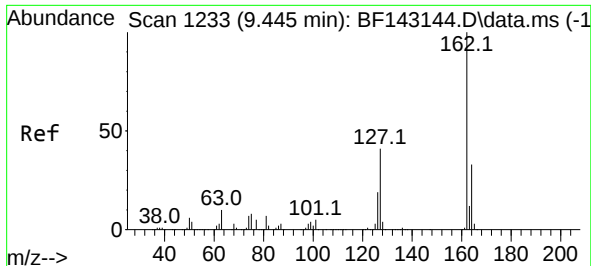
Tgt Ion:172 Resp: 1475069
Ion Ratio Lower Upper
172 100
171 35.3 28.6 42.8
170 23.5 18.8 28.2



#46
1,1'-Biphenyl
Concen: 43.351 ng
RT: 9.422 min Scan# 1229
Delta R.T. 0.000 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

Tgt Ion:154 Resp: 896929
Ion Ratio Lower Upper
154 100
153 40.5 20.3 60.3
76 13.1 0.0 33.3





#47

2-Chloronaphthalene

Concen: 42.952 ng

RT: 9.445 min Scan# 1233

Delta R.T. 0.000 min

Lab File: BF143213.D

Acq: 23 Jul 2025 16:00

Instrument :

BNA_F

ClientSampleId :

PB168954BS

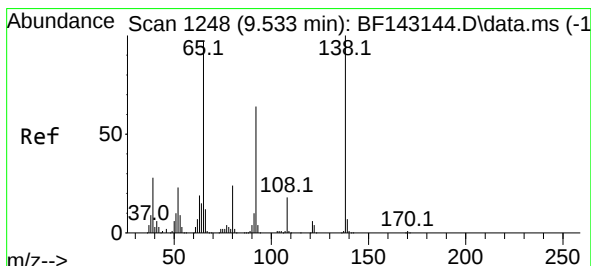
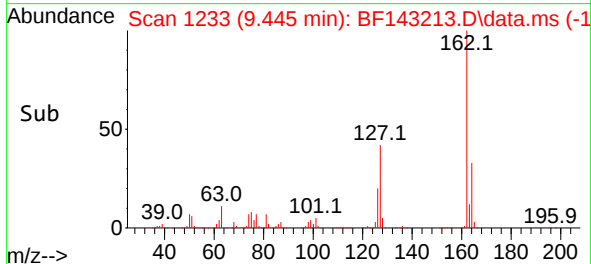
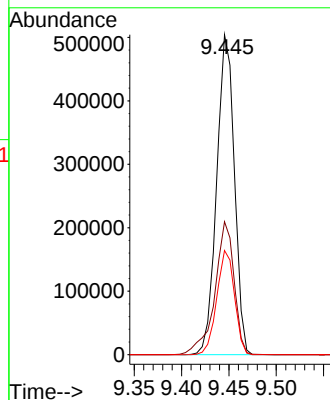
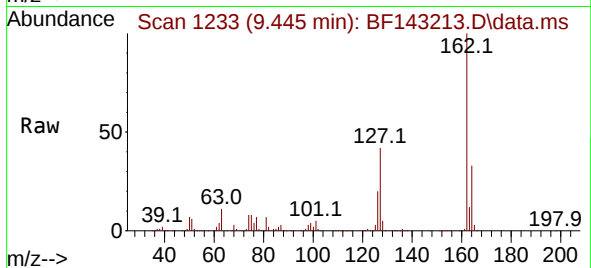
Tgt Ion:162 Resp: 657554

Ion Ratio Lower Upper

162 100

127 41.5 33.4 50.2

164 32.6 26.2 39.2



#48

2-Nitroaniline

Concen: 48.027 ng

RT: 9.534 min Scan# 1248

Delta R.T. 0.000 min

Lab File: BF143213.D

Acq: 23 Jul 2025 16:00

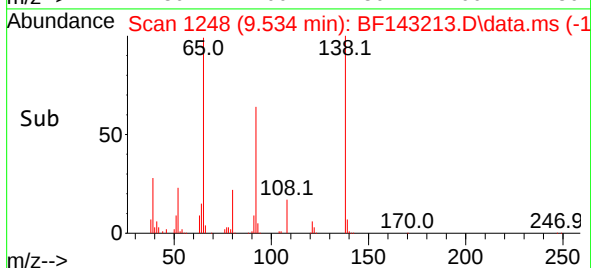
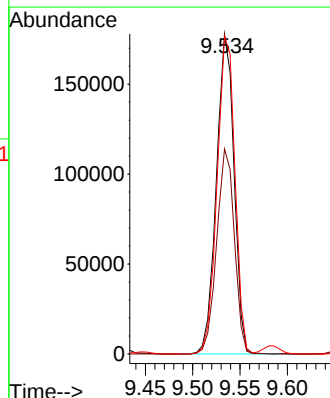
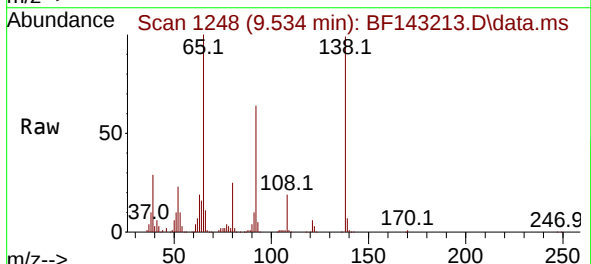
Tgt Ion: 65 Resp: 230570

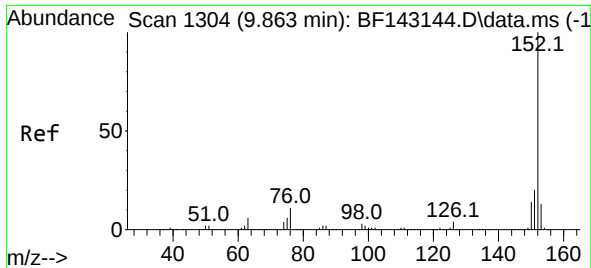
Ion Ratio Lower Upper

65 100

92 64.1 52.4 78.6

138 99.4 82.3 123.5

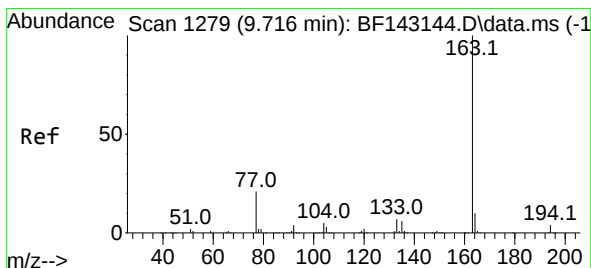
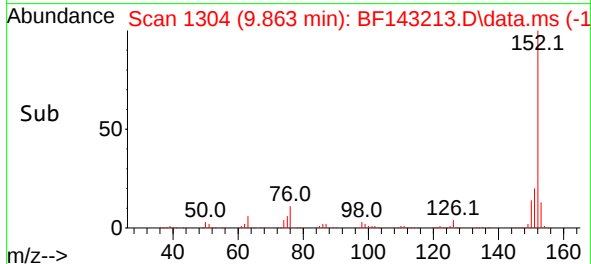
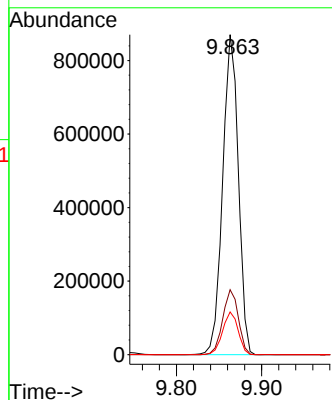
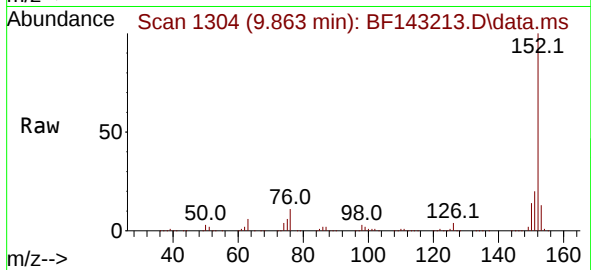




#49
Acenaphthylene
Concen: 43.414 ng
RT: 9.863 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

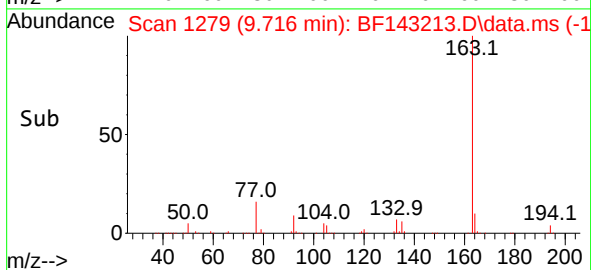
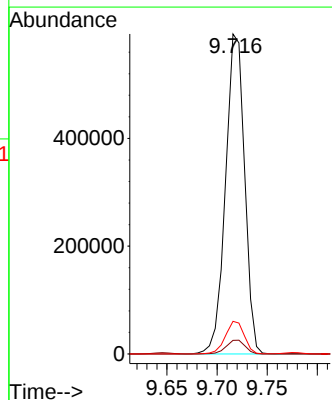
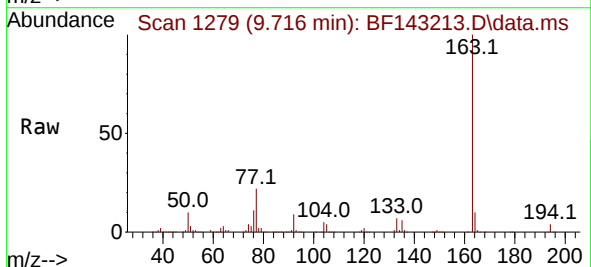
Instrument :
BNA_F
ClientSampleId :
PB168954BS

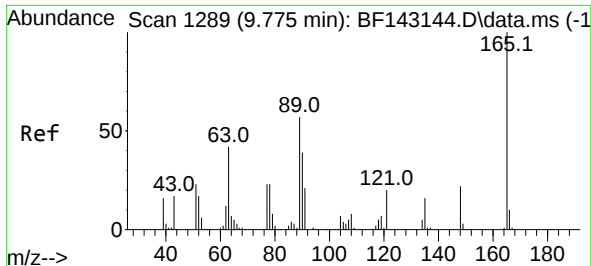
Tgt Ion:152 Resp: 1113812
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.2
153 13.3 10.6 16.0



#50
Dimethylphthalate
Concen: 45.483 ng
RT: 9.716 min Scan# 1279
Delta R.T. 0.000 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

Tgt Ion:163 Resp: 786201
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.2
164 10.2 8.3 12.5

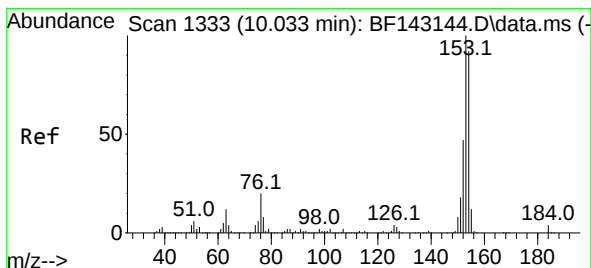
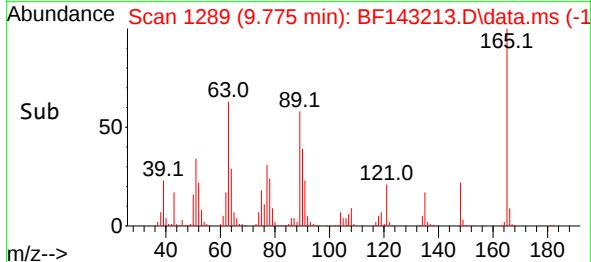
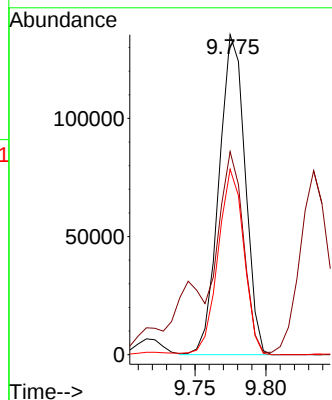
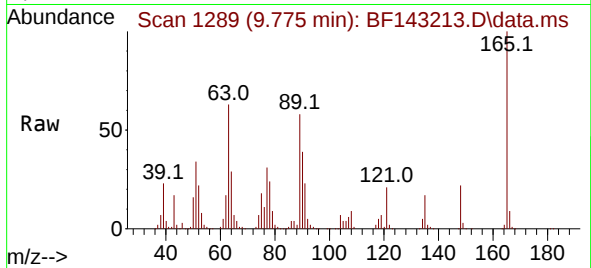




#51
2,6-Dinitrotoluene
Concen: 49.290 ng
RT: 9.775 min Scan# 1289
Delta R.T. 0.000 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

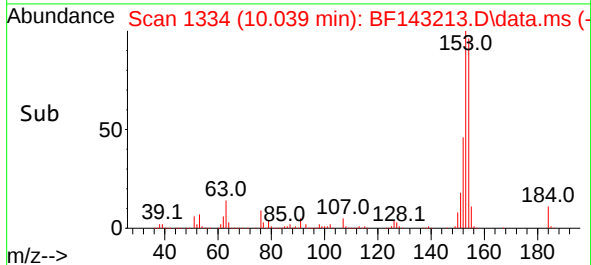
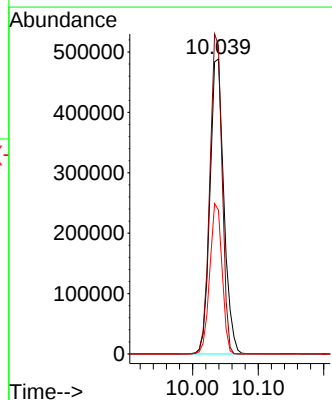
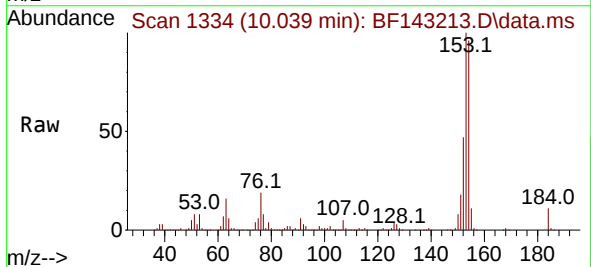
Instrument :
BNA_F
ClientSampleId :
PB168954BS

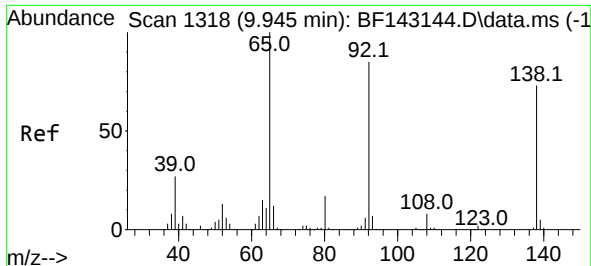
Tgt Ion:165 Resp: 173323
Ion Ratio Lower Upper
165 100
63 63.5 49.4 74.2
89 58.0 46.2 69.2



#52
Acenaphthene
Concen: 47.611 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.006 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

Tgt Ion:154 Resp: 721953
Ion Ratio Lower Upper
154 100
153 104.6 86.6 129.8
152 48.8 40.4 60.6

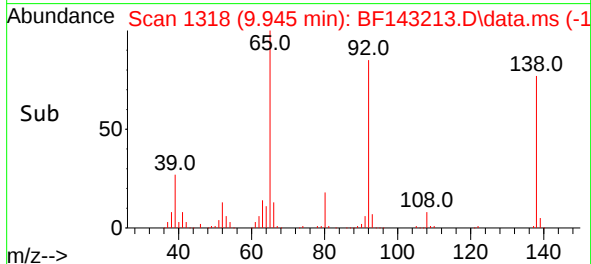
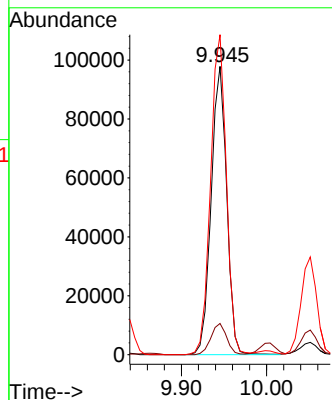
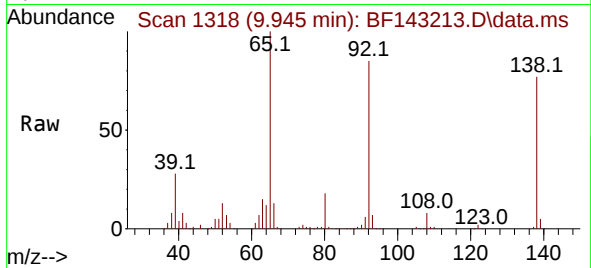




#53
3-Nitroaniline
Concen: 30.214 ng
RT: 9.945 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

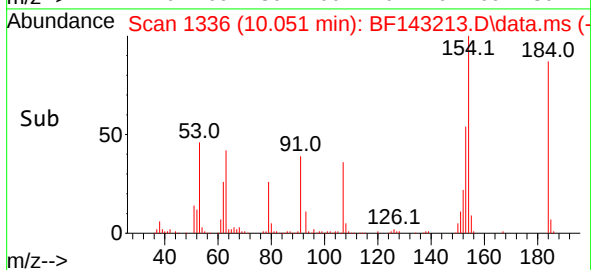
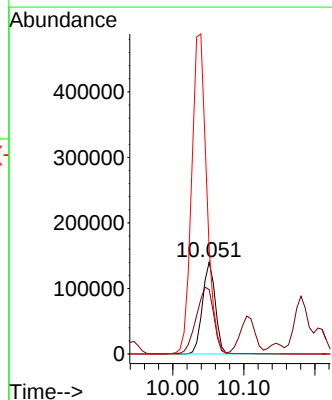
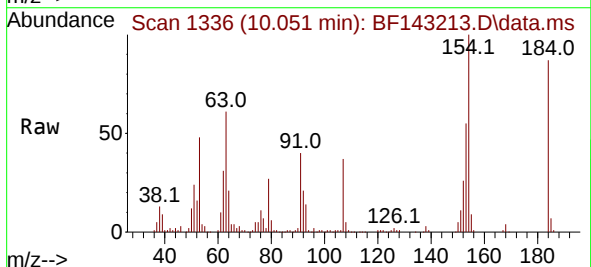
Instrument :
BNA_F
ClientSampleId :
PB168954BS

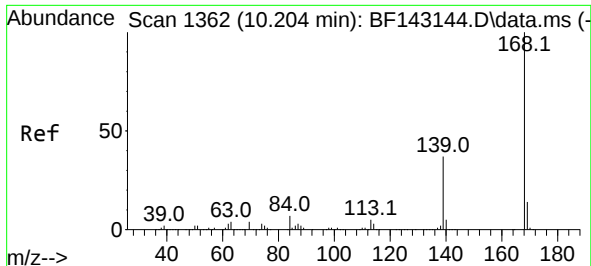
Tgt Ion:138 Resp: 124269
Ion Ratio Lower Upper
138 100
108 10.8 9.0 13.6
92 111.0 93.0 139.4



#54
2,4-Dinitrophenol
Concen: 108.635 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

Tgt Ion:184 Resp: 177281
Ion Ratio Lower Upper
184 100
63 69.9 81.8 122.6#
154 114.8 412.2 618.4#

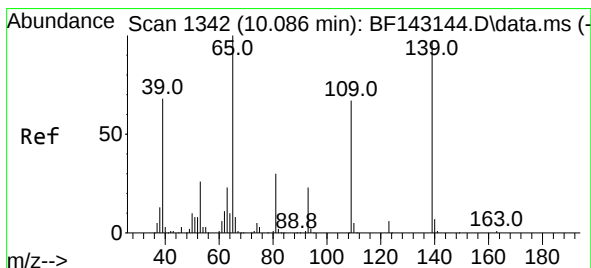
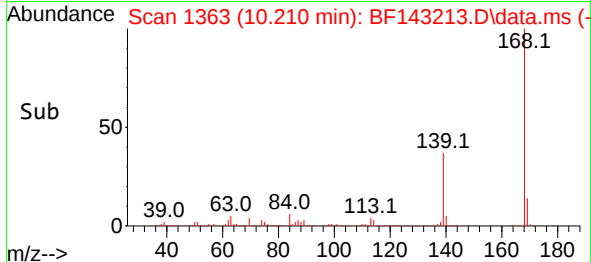
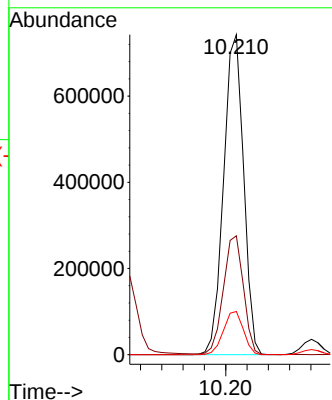
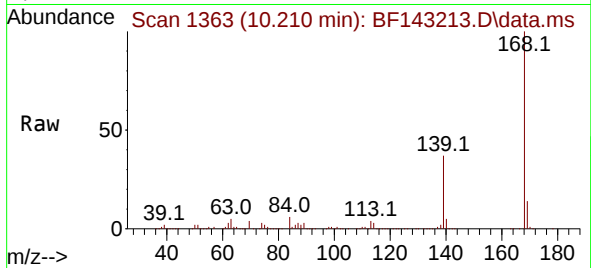




#55
Dibenzenofuran
Concen: 42.884 ng
RT: 10.210 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

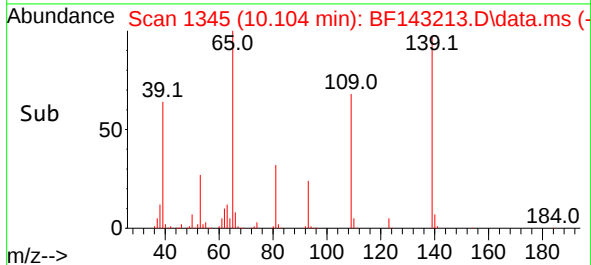
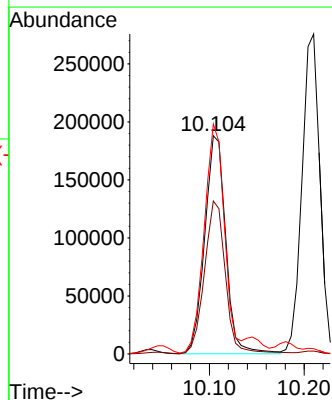
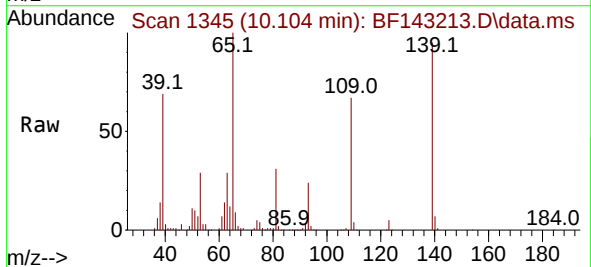
Instrument :
BNA_F
ClientSampleId :
PB168954BS

Tgt Ion:168 Resp: 965446
Ion Ratio Lower Upper
168 100
139 37.1 29.5 44.3
169 13.5 10.9 16.3



#56
4-Nitrophenol
Concen: 94.066 ng
RT: 10.104 min Scan# 1345
Delta R.T. 0.018 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

Tgt Ion:139 Resp: 288911
Ion Ratio Lower Upper
139 100
109 70.1 48.5 88.5
65 105.4 83.4 123.4

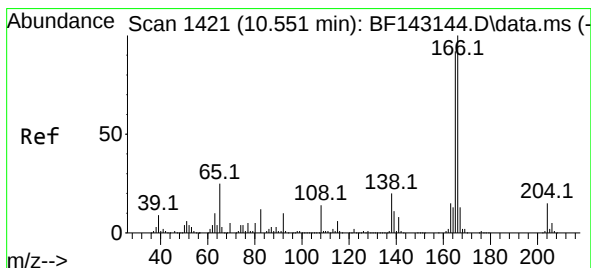
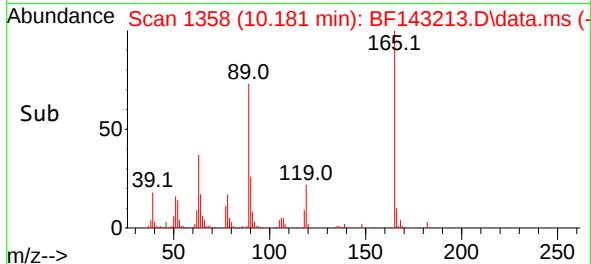
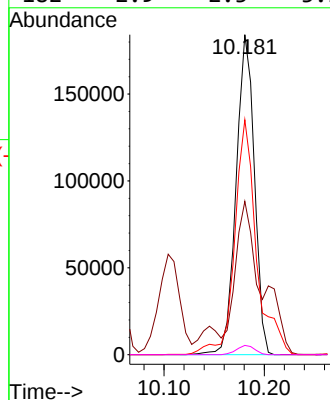
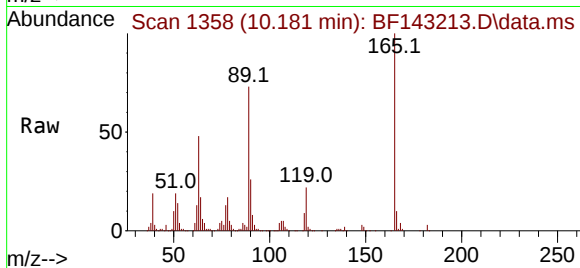




#57
2,4-Dinitrotoluene
Concen: 53.000 ng
RT: 10.181 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

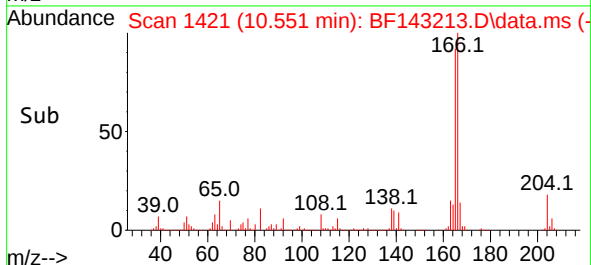
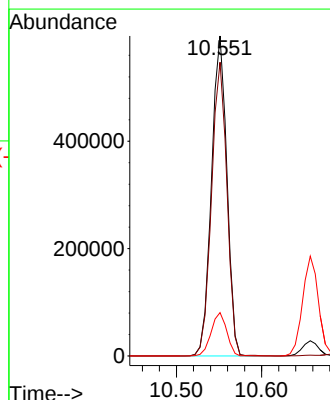
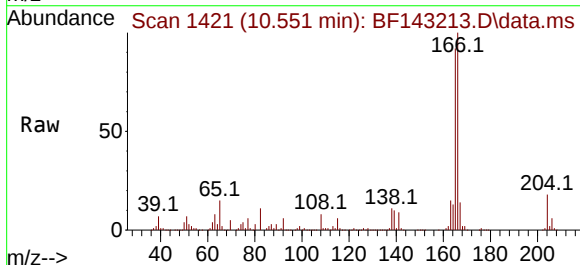
Instrument :
BNA_F
ClientSampleId :
PB168954BS

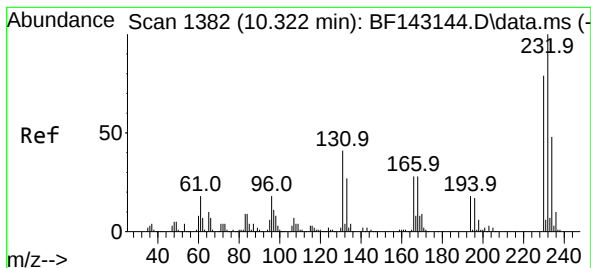
Tgt Ion:165 Resp: 233822
Ion Ratio Lower Upper
165 100
63 47.9 41.0 61.4
89 73.4 61.1 91.7
182 2.9 2.3 3.5



#58
Fluorene
Concen: 44.223 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

Tgt Ion:166 Resp: 747219
Ion Ratio Lower Upper
166 100
165 91.8 73.7 110.5
167 13.6 10.6 16.0

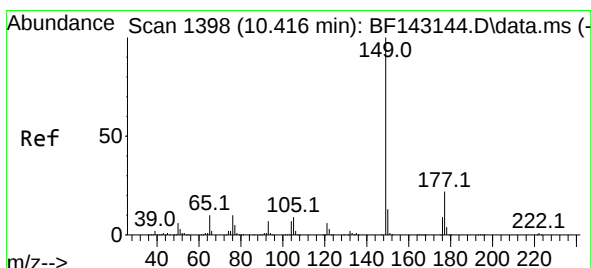
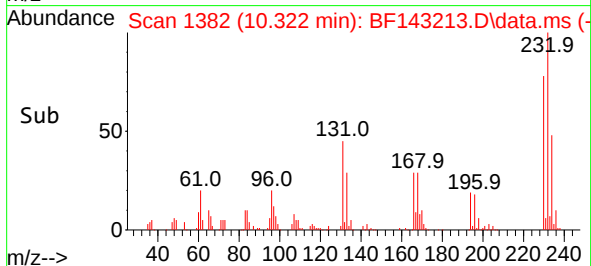
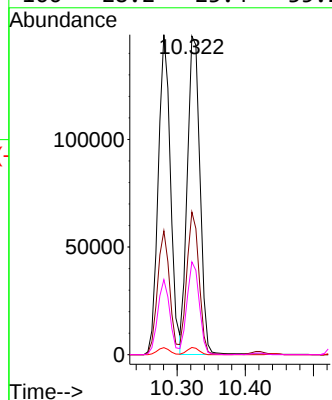
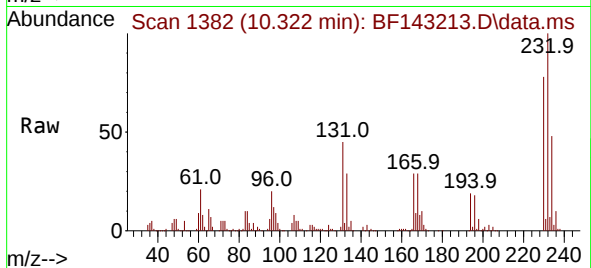




#59
2,3,4,6-Tetrachlorophenol
Concen: 43.109 ng
RT: 10.322 min Scan# 1382
Delta R.T. 0.000 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

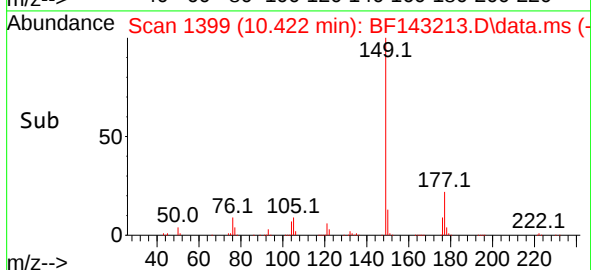
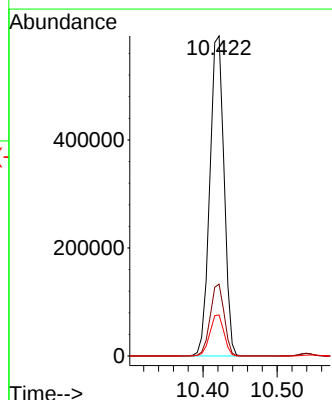
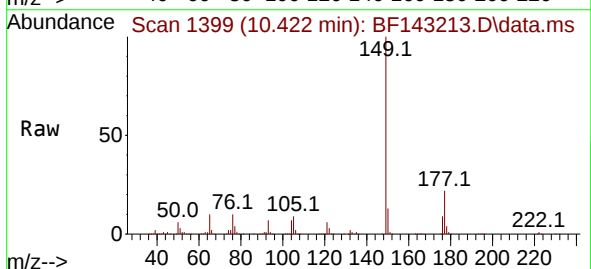
Instrument :
BNA_F
ClientSampleId :
PB168954BS

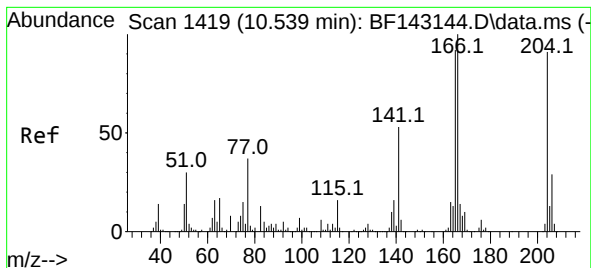
Tgt Ion:232 Resp: 189277
Ion Ratio Lower Upper
232 100
131 43.1 35.3 52.9
130 2.2 1.7 2.5
166 28.2 23.4 35.2



#60
Diethylphthalate
Concen: 46.227 ng
RT: 10.422 min Scan# 1399
Delta R.T. 0.006 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

Tgt Ion:149 Resp: 789791
Ion Ratio Lower Upper
149 100
177 22.5 17.5 26.3
150 12.8 10.2 15.2

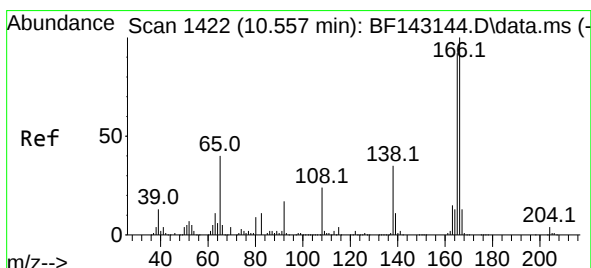
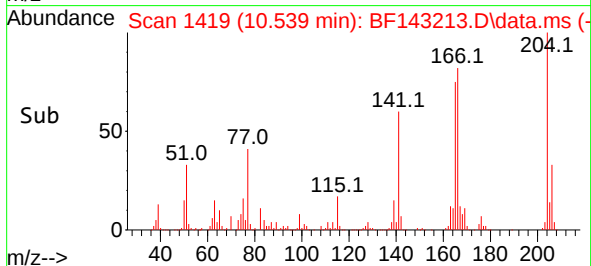
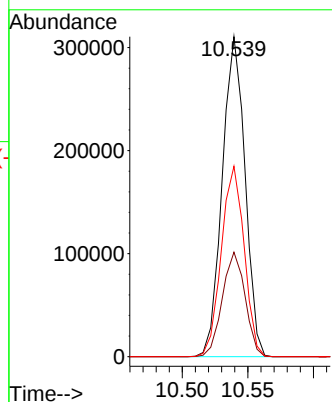
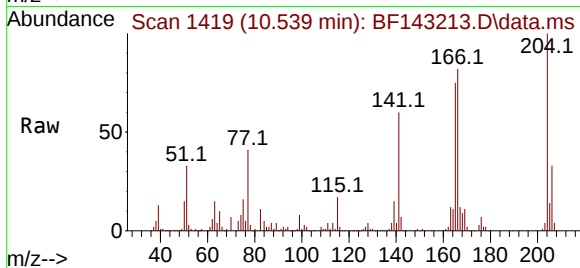




#61
4-Chlorophenyl-phenylether
Concen: 44.515 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

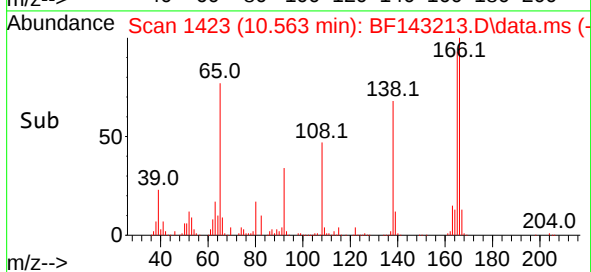
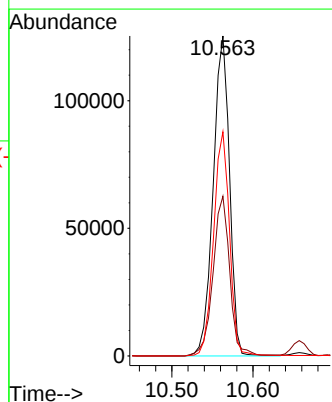
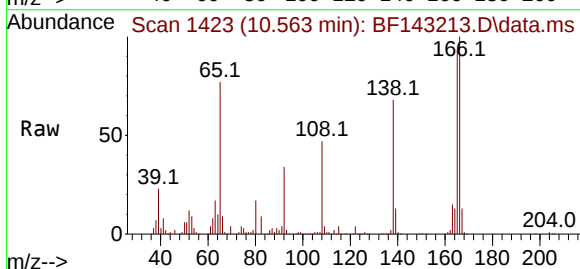
Instrument :
BNA_F
ClientSampleId :
PB168954BS

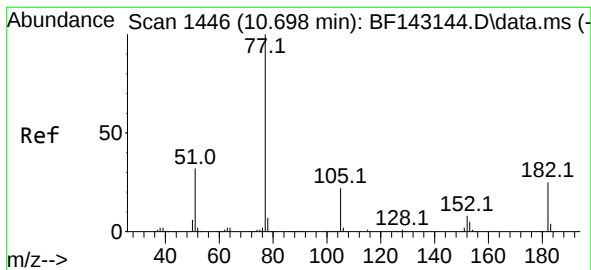
Tgt Ion:204 Resp: 374523
Ion Ratio Lower Upper
204 100
206 32.7 25.8 38.8
141 59.5 47.0 70.4



#62
4-Nitroaniline
Concen: 49.717 ng
RT: 10.563 min Scan# 1423
Delta R.T. 0.006 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

Tgt Ion:138 Resp: 175257
Ion Ratio Lower Upper
138 100
92 49.9 29.3 69.3
108 70.1 48.3 88.3

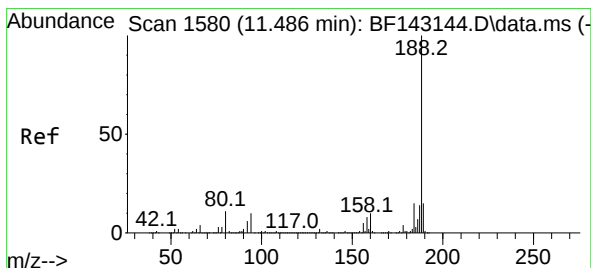
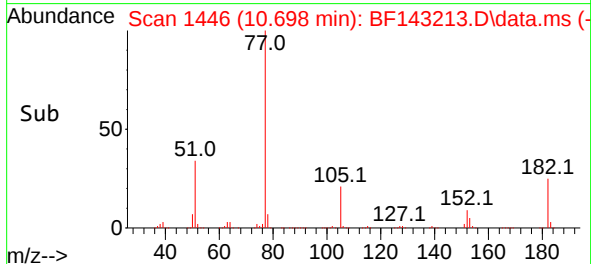
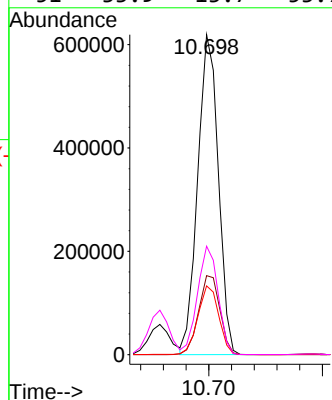
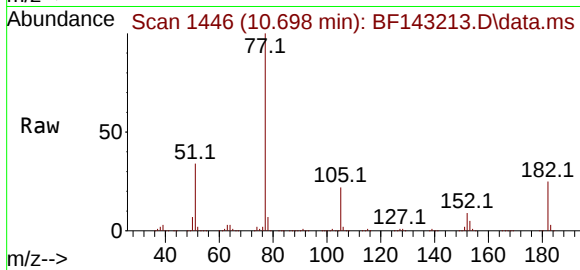




#63
 Azobenzene
 Concen: 43.824 ng
 RT: 10.698 min Scan# 1446
 Delta R.T. 0.000 min
 Lab File: BF143213.D
 Acq: 23 Jul 2025 16:00

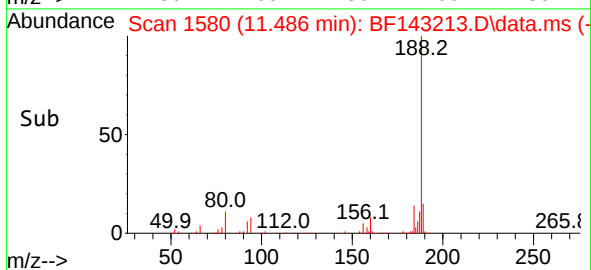
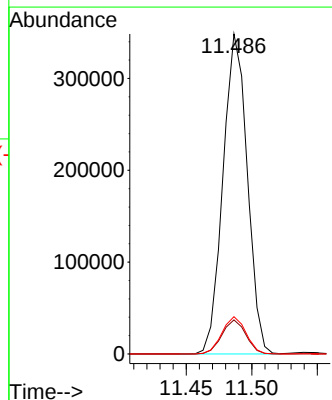
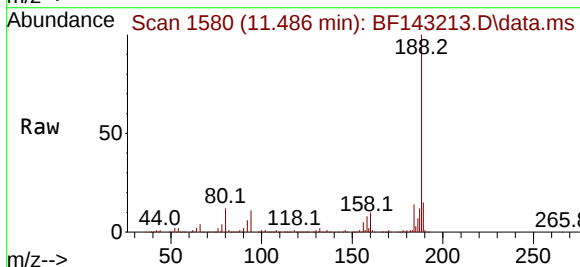
Instrument :
 BNA_F
 ClientSampleId :
 PB168954BS

Tgt Ion:	77	Resp:	780361
Ion	Ratio	Lower	Upper
77	100		
182	24.7	4.6	44.6
105	21.5	1.4	41.4
51	33.9	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: BF143213.D
 Acq: 23 Jul 2025 16:00

Tgt Ion:	188	Resp:	449718
Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.3	12.5
80	11.6	9.0	13.6

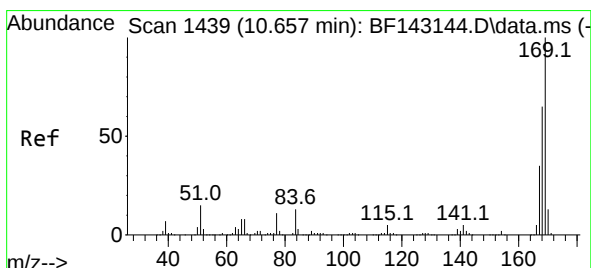
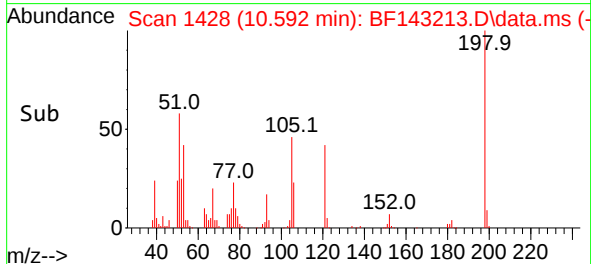
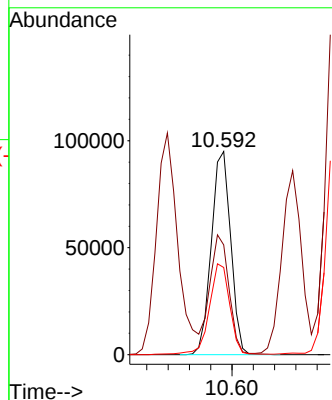
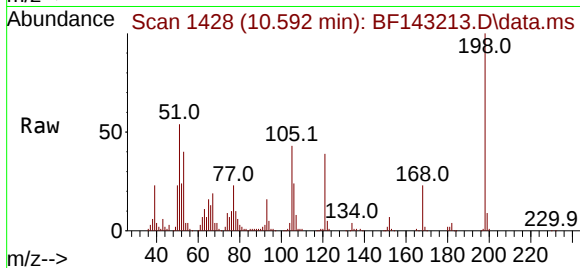




#65
4,6-Dinitro-2-methylphenol
Concen: 50.654 ng
RT: 10.592 min Scan# 1428
Delta R.T. 0.006 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

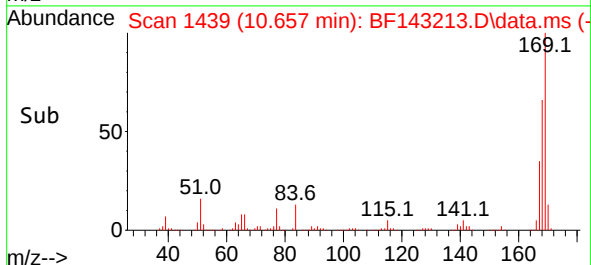
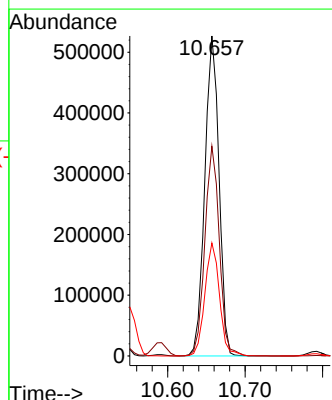
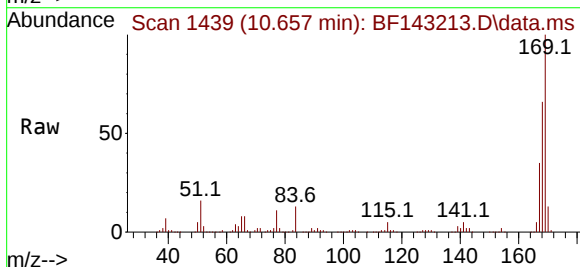
Instrument :
BNA_F
ClientSampleId :
PB168954BS

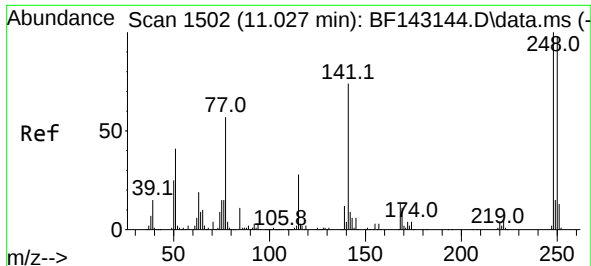
Tgt Ion:198 Resp: 120214
Ion Ratio Lower Upper
198 100
51 54.0 37.2 77.2
105 42.9 24.8 64.8



#66
n-Nitrosodiphenylamine
Concen: 42.301 ng
RT: 10.657 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

Tgt Ion:169 Resp: 669884
Ion Ratio Lower Upper
169 100
168 65.6 52.1 78.1
167 35.3 28.2 42.2

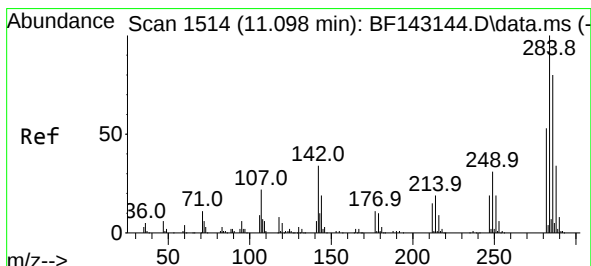
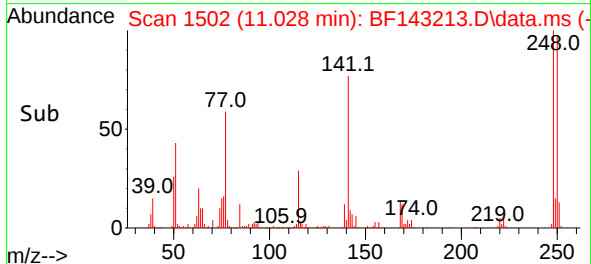
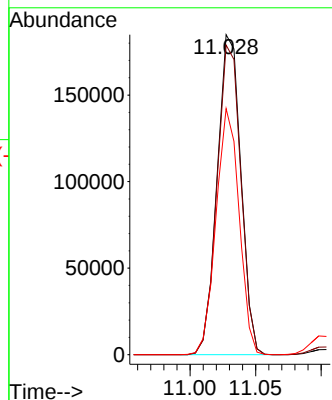
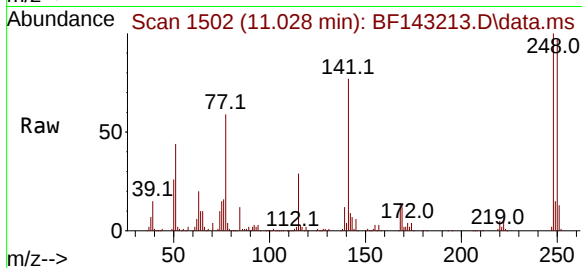




#67
4-Bromophenyl-phenylether
Concen: 43.481 ng
RT: 11.028 min Scan# 1102
Delta R.T. 0.000 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

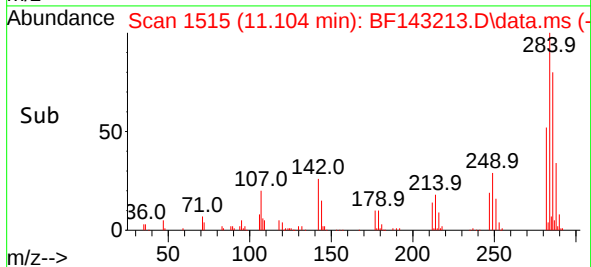
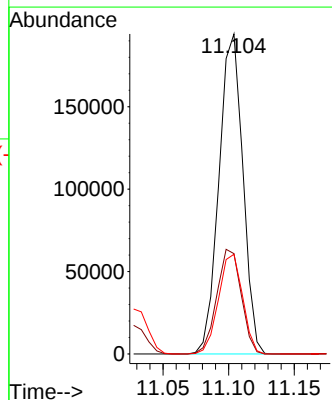
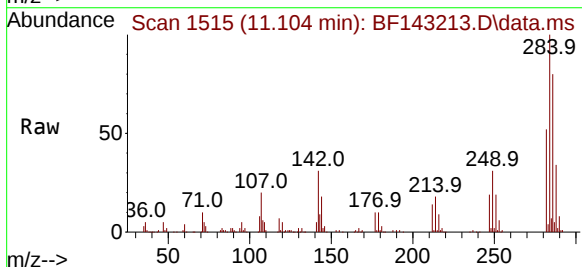
Instrument :
BNA_F
ClientSampleId :
PB168954BS

Tgt Ion:248 Resp: 233035
Ion Ratio Lower Upper
248 100
250 96.7 78.3 117.5
141 76.9 59.2 88.8



#68
Hexachlorobenzene
Concen: 43.886 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.006 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

Tgt Ion:284 Resp: 245838
Ion Ratio Lower Upper
284 100
142 31.4 27.0 40.6
249 31.1 25.0 37.6





#69

Atrazine

Concen: 48.978 ng

RT: 11.180 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143213.D

Acq: 23 Jul 2025 16:00

Instrument :

BNA_F

ClientSampleId :

PB168954BS

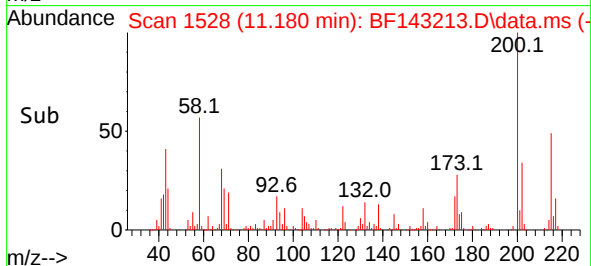
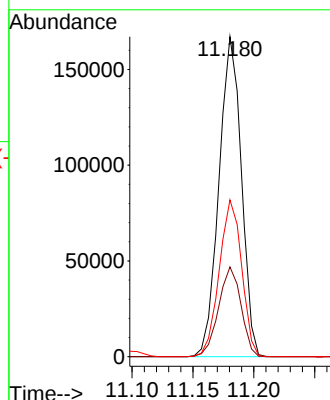
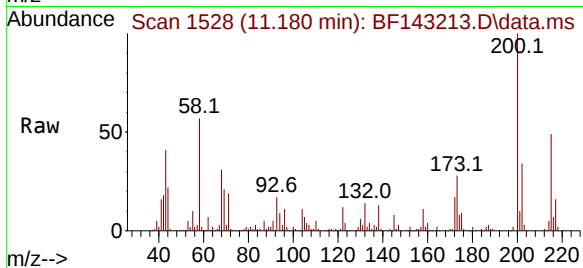
Tgt Ion:200 Resp: 213830

Ion Ratio Lower Upper

200 100

173 28.0 7.9 47.9

215 49.0 30.1 70.1



#70

Pentachlorophenol

Concen: 61.771 ng

RT: 11.292 min Scan# 1547

Delta R.T. 0.006 min

Lab File: BF143213.D

Acq: 23 Jul 2025 16:00

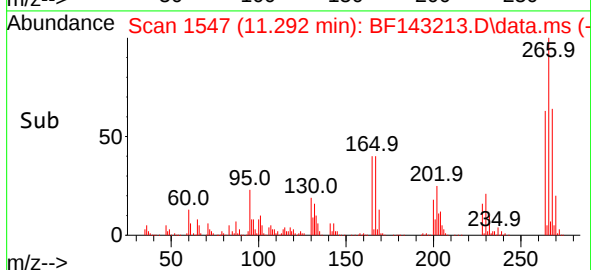
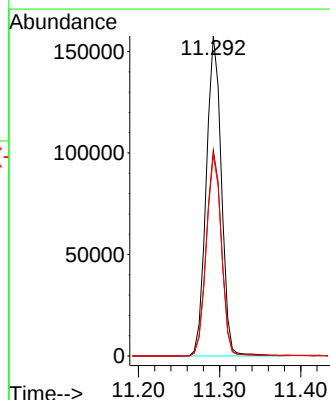
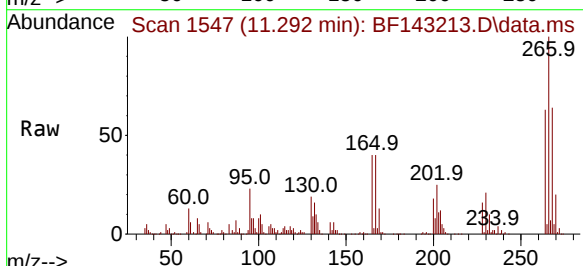
Tgt Ion:266 Resp: 203492

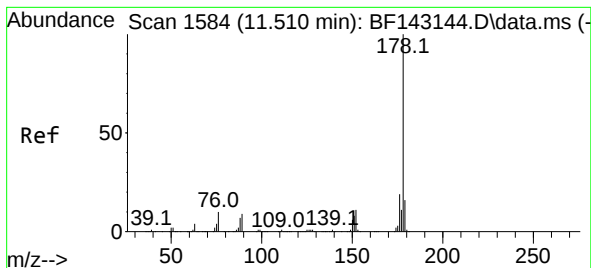
Ion Ratio Lower Upper

266 100

268 64.4 51.9 77.9

264 62.9 51.0 76.6





#71

Phenanthrene

Concen: 43.166 ng

RT: 11.516 min Scan# 1584

Delta R.T. 0.006 min

Lab File: BF143213.D

Acq: 23 Jul 2025 16:00

Instrument :

BNA_F

ClientSampleId :

PB168954BS

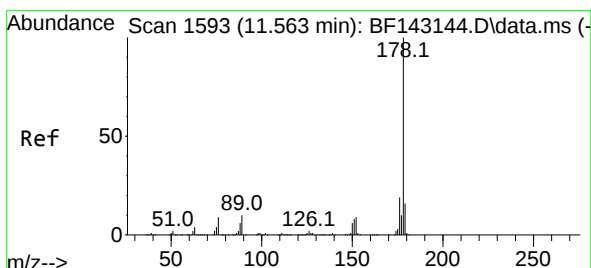
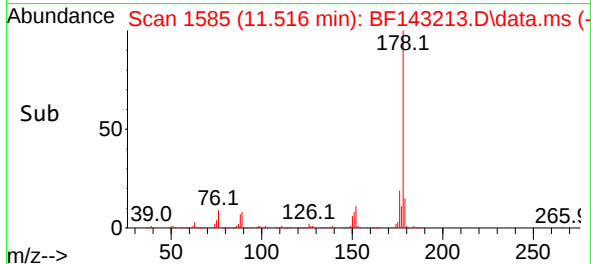
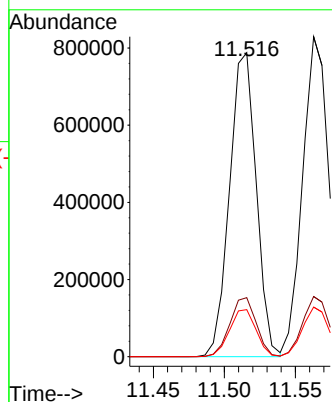
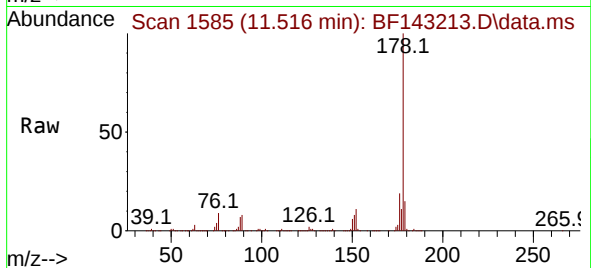
Tgt Ion:178 Resp: 1030740

Ion Ratio Lower Upper

178 100

176 19.4 15.3 22.9

179 15.5 12.5 18.7



#72

Anthracene

Concen: 43.525 ng

RT: 11.563 min Scan# 1593

Delta R.T. 0.000 min

Lab File: BF143213.D

Acq: 23 Jul 2025 16:00

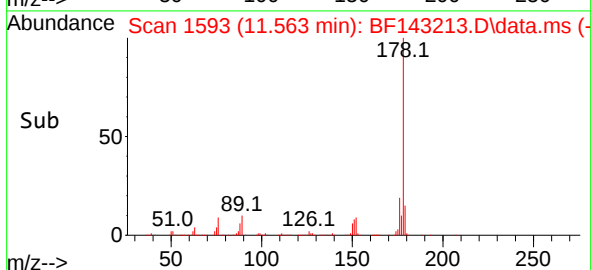
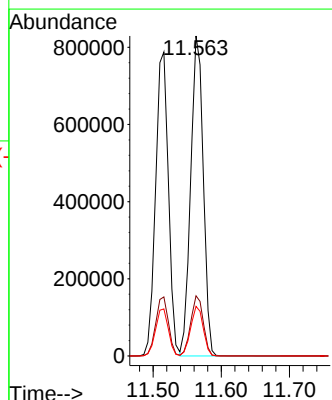
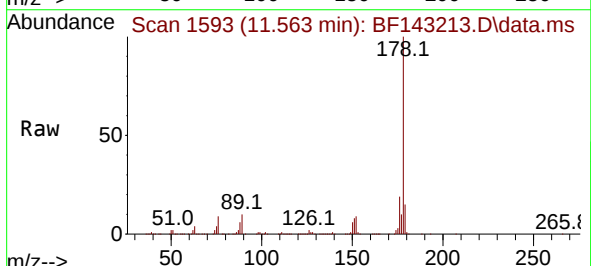
Tgt Ion:178 Resp: 1059988

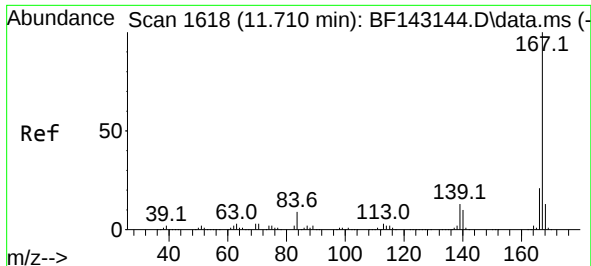
Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.4

179 15.5 12.5 18.7

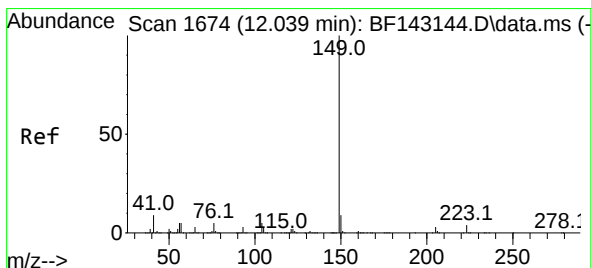
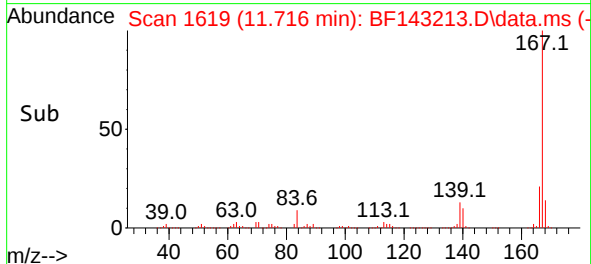
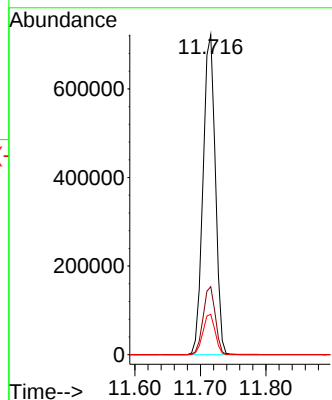
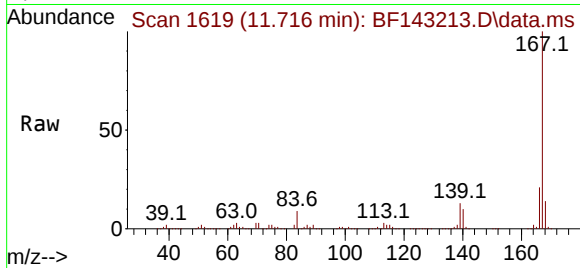




#73
Carbazole
Concen: 44.456 ng
RT: 11.716 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

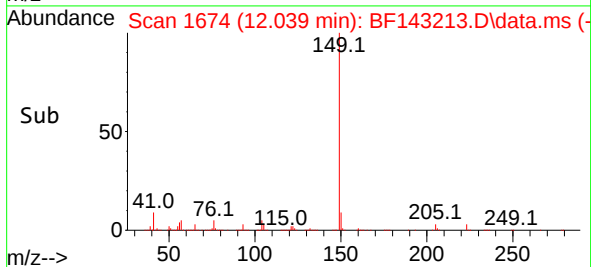
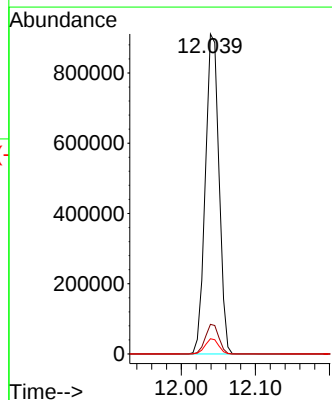
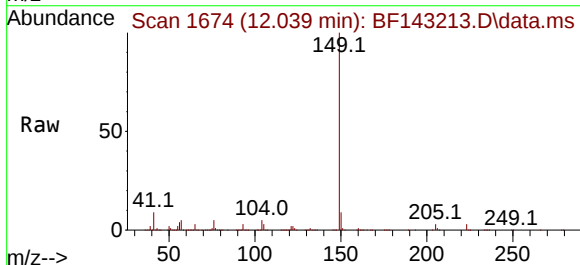
Instrument :
BNA_F
ClientSampleId :
PB168954BS

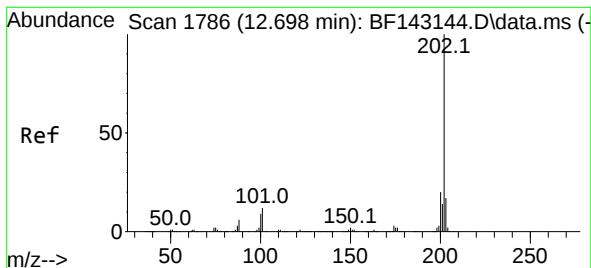
Tgt Ion:167 Resp: 945375
Ion Ratio Lower Upper
167 100
166 21.3 17.0 25.6
139 12.6 10.0 15.0



#74
Di-n-butylphthalate
Concen: 48.562 ng
RT: 12.039 min Scan# 1674
Delta R.T. 0.000 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

Tgt Ion:149 Resp: 1168492
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.2
104 4.8 3.8 5.8





#75

Fluoranthene

Concen: 46.620 ng

RT: 12.698 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143213.D

Acq: 23 Jul 2025 16:00

Instrument :

BNA_F

ClientSampleId :

PB168954BS

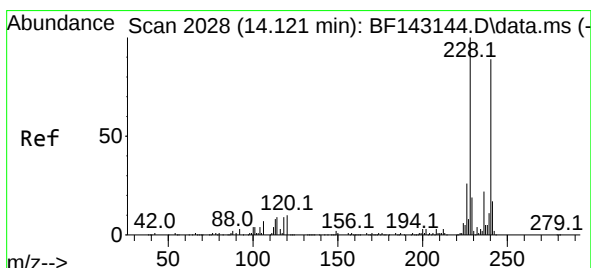
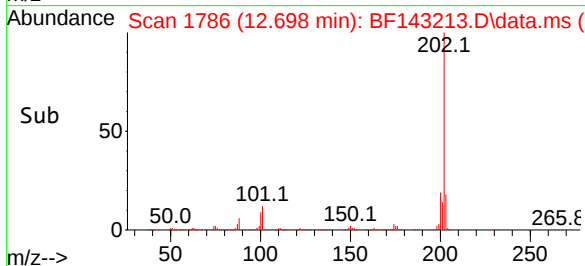
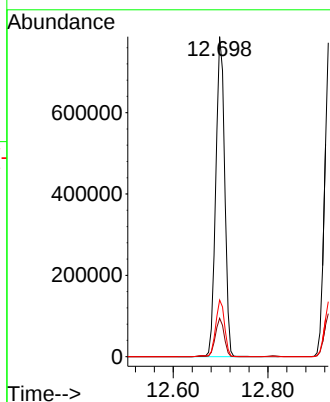
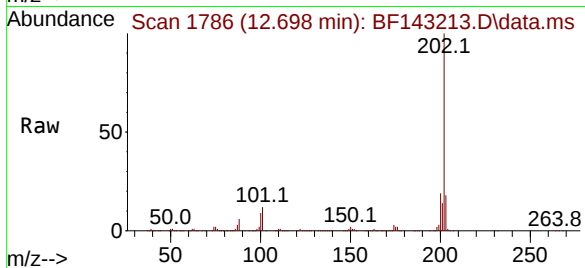
Tgt Ion:202 Resp: 1021799

Ion Ratio Lower Upper

202 100

101 12.0 0.0 31.7

203 17.7 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.127 min Scan# 2029

Delta R.T. 0.006 min

Lab File: BF143213.D

Acq: 23 Jul 2025 16:00

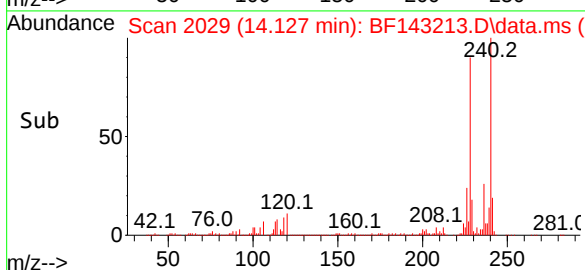
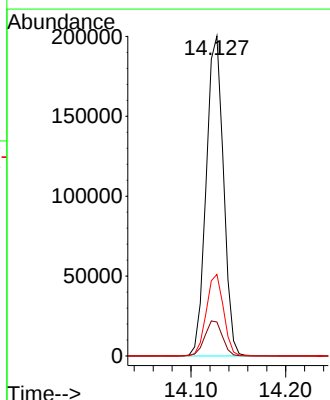
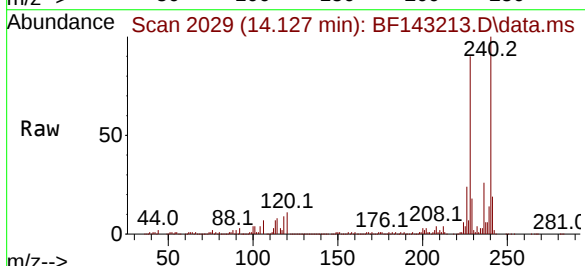
Tgt Ion:240 Resp: 253510

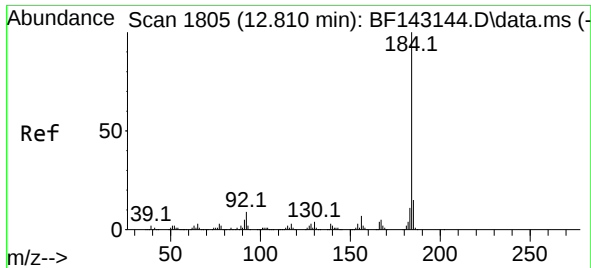
Ion Ratio Lower Upper

240 100

120 10.6 9.4 14.2

236 25.5 20.2 30.4

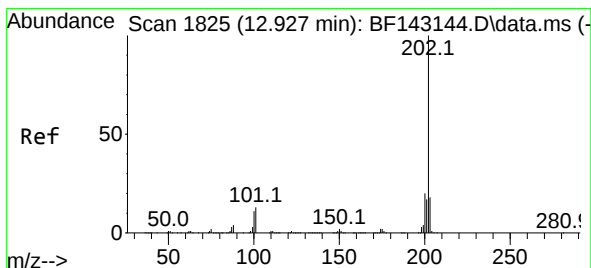
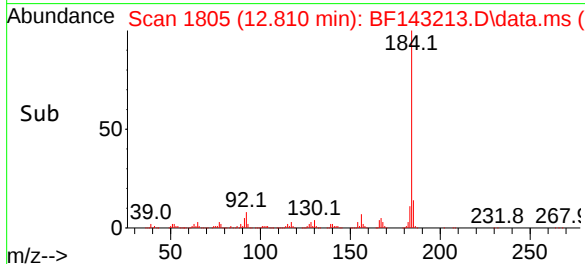
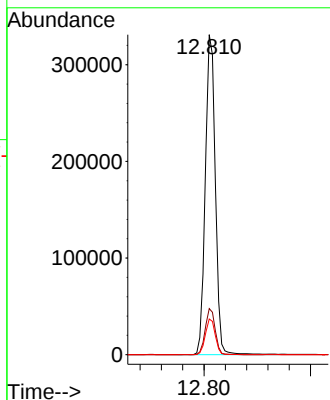
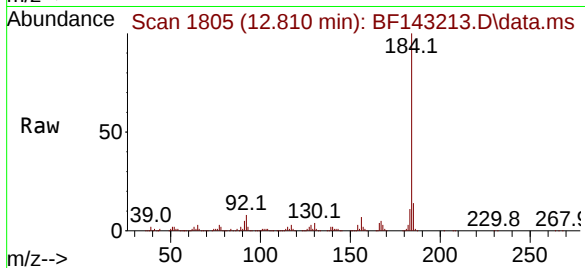




#77
Benzidine
Concen: 44.091 ng
RT: 12.810 min Scan# 1805
Delta R.T. -0.000 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

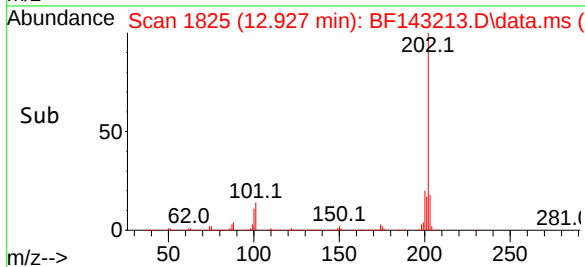
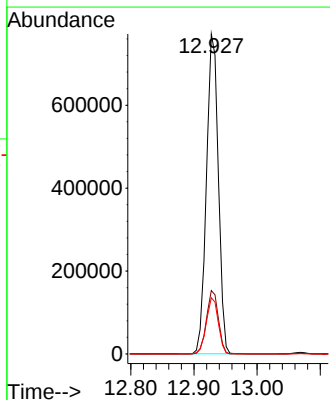
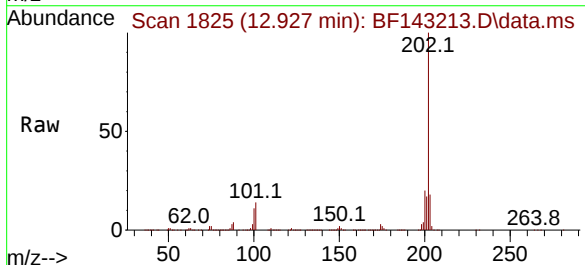
Instrument :
BNA_F
ClientSampleId :
PB168954BS

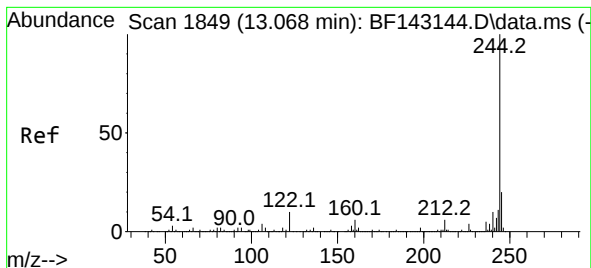
Tgt Ion:184 Resp: 430639
Ion Ratio Lower Upper
184 100
185 14.4 12.2 18.4
183 11.2 9.0 13.4



#78
Pyrene
Concen: 46.697 ng
RT: 12.927 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

Tgt Ion:202 Resp: 1010330
Ion Ratio Lower Upper
202 100
200 19.8 15.7 23.5
203 17.5 14.2 21.2





#79

Terphenyl-d14

Concen: 82.611 ng

RT: 13.069 min Scan# 1849

Delta R.T. 0.000 min

Lab File: BF143213.D

Acq: 23 Jul 2025 16:00

Instrument :

BNA_F

ClientSampleId :

PB168954BS

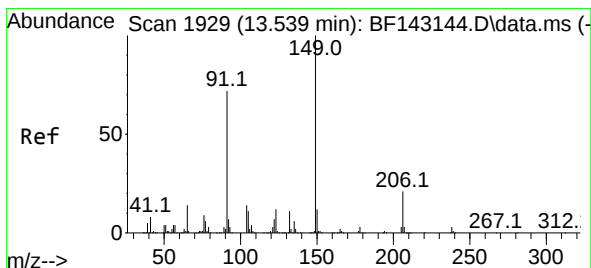
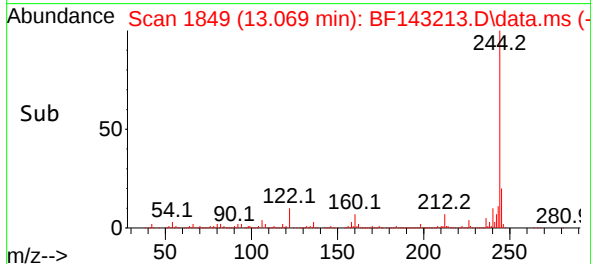
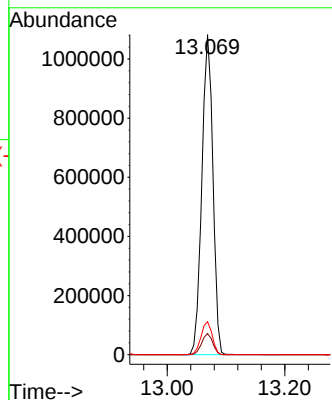
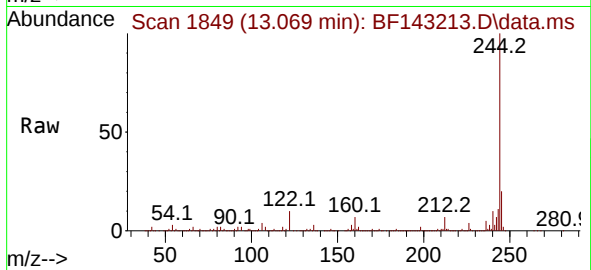
Tgt Ion:244 Resp: 1407338

Ion Ratio Lower Upper

244 100

212 6.6 5.2 7.8

122 10.3 8.2 12.2



#80

Butylbenzylphthalate

Concen: 59.285 ng

RT: 13.539 min Scan# 1929

Delta R.T. 0.000 min

Lab File: BF143213.D

Acq: 23 Jul 2025 16:00

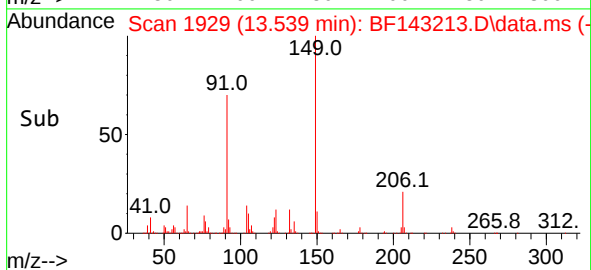
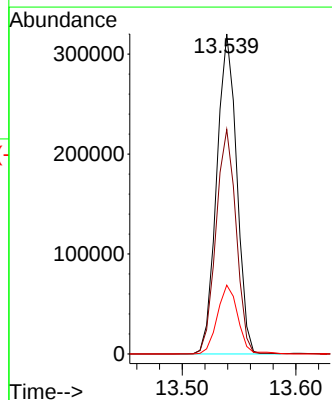
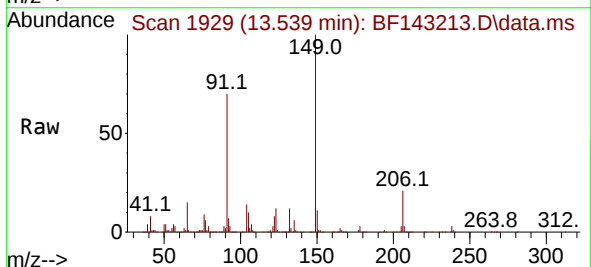
Tgt Ion:149 Resp: 392773

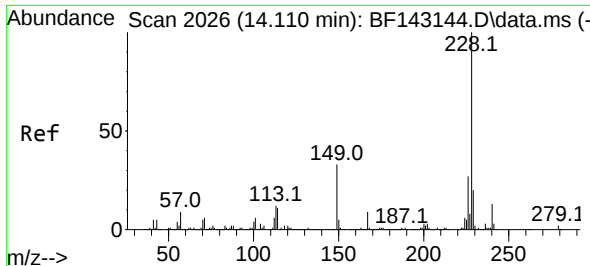
Ion Ratio Lower Upper

149 100

91 70.2 57.9 86.9

206 21.5 17.0 25.4

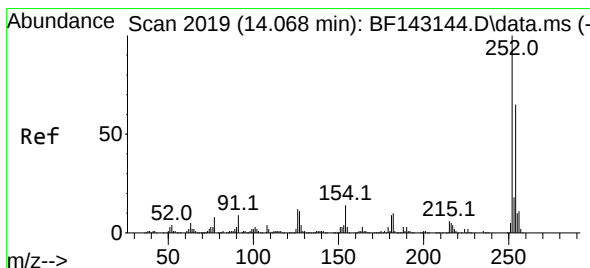
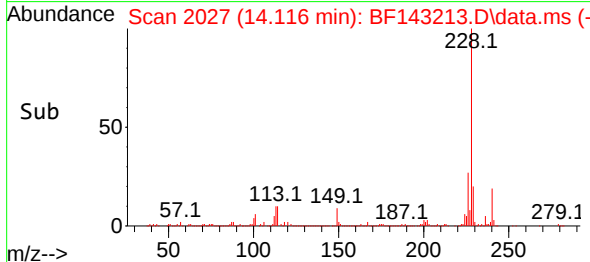
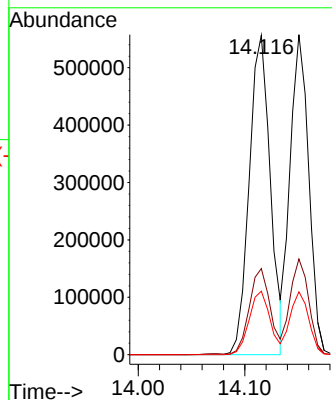
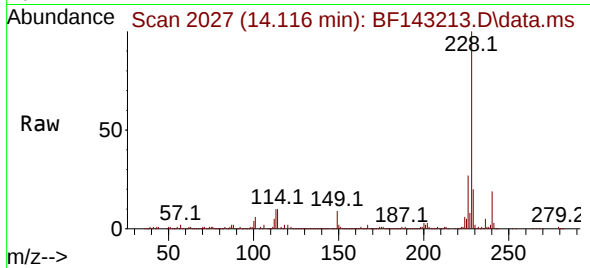




#81
Benzo(a)anthracene
Concen: 45.053 ng
RT: 14.116 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

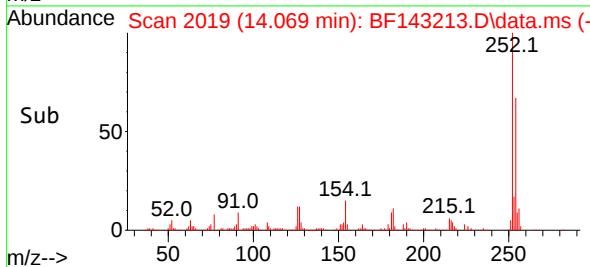
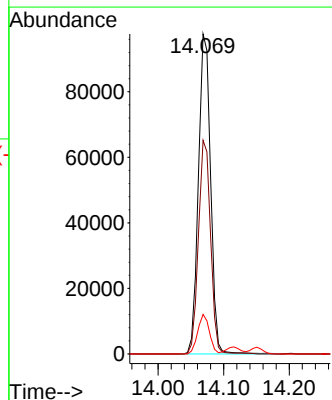
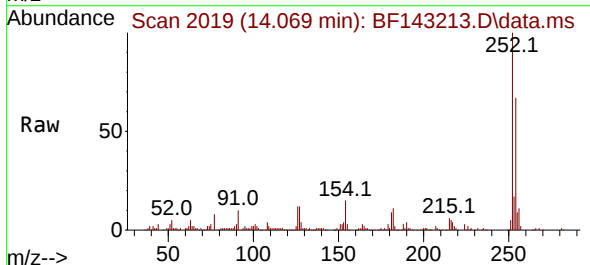
Instrument :
BNA_F
ClientSampleId :
PB168954BS

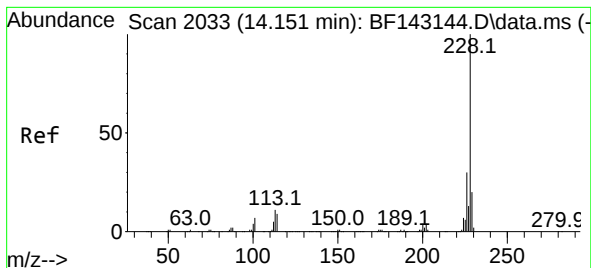
Tgt Ion:228 Resp: 764664
Ion Ratio Lower Upper
228 100
226 26.9 21.7 32.5
229 19.9 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 22.368 ng
RT: 14.069 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

Tgt Ion:252 Resp: 126532
Ion Ratio Lower Upper
252 100
254 66.7 51.7 77.5
126 12.4 9.4 14.0





#83

Chrysene

Concen: 44.573 ng

RT: 14.151 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF143213.D

Acq: 23 Jul 2025 16:00

Instrument :

BNA_F

ClientSampleId :

PB168954BS

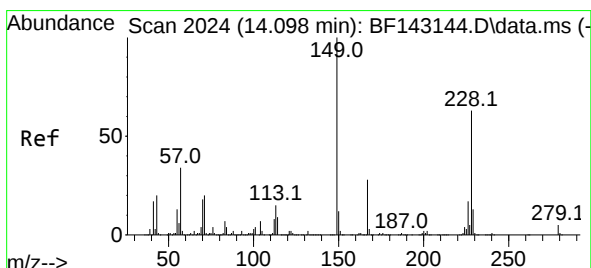
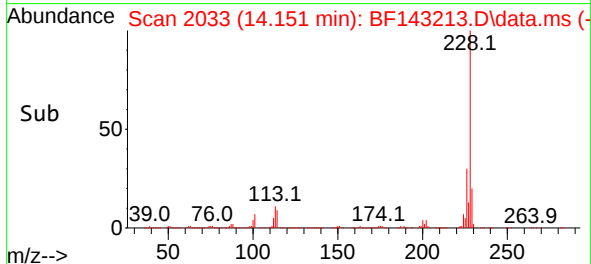
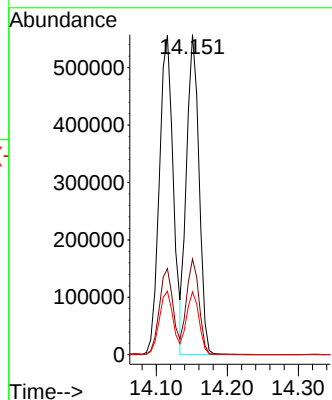
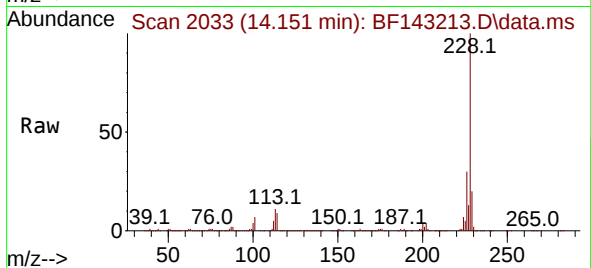
Tgt Ion:228 Resp: 680186

Ion Ratio Lower Upper

228 100

226 29.9 23.8 35.8

229 19.6 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 51.382 ng

RT: 14.098 min Scan# 2024

Delta R.T. 0.000 min

Lab File: BF143213.D

Acq: 23 Jul 2025 16:00

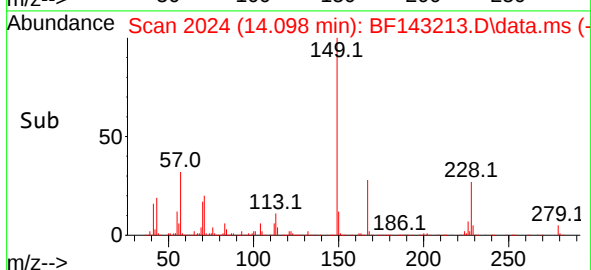
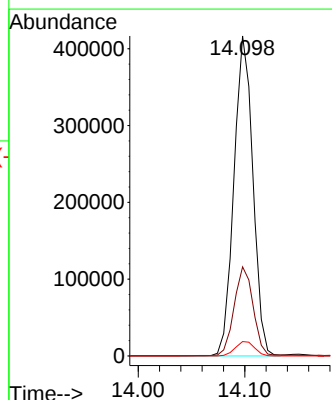
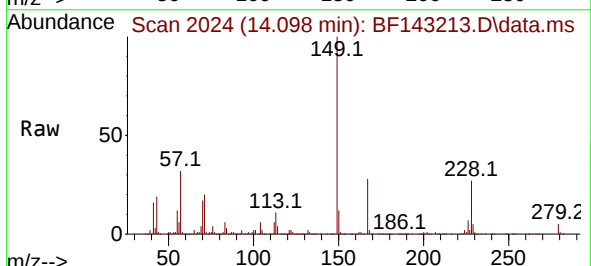
Tgt Ion:149 Resp: 515251

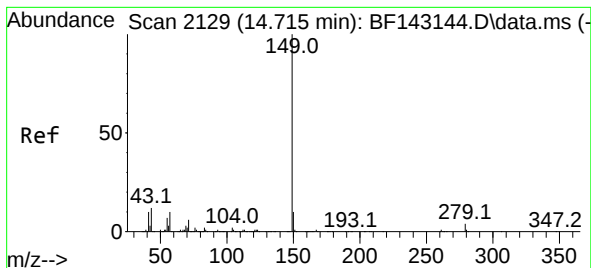
Ion Ratio Lower Upper

149 100

167 27.9 22.3 33.5

279 4.5 3.6 5.4

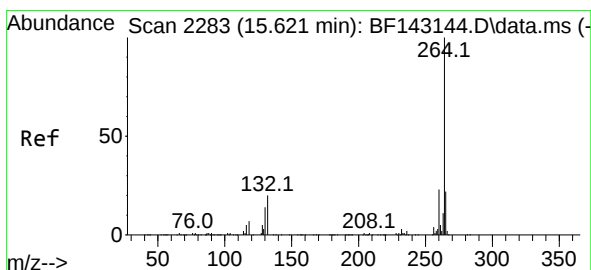
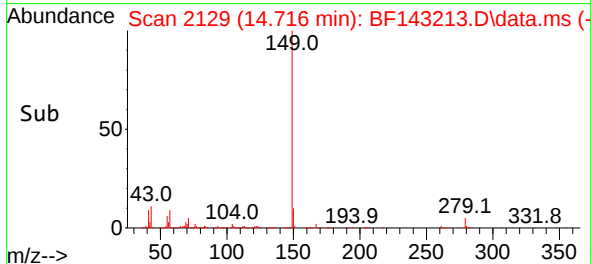
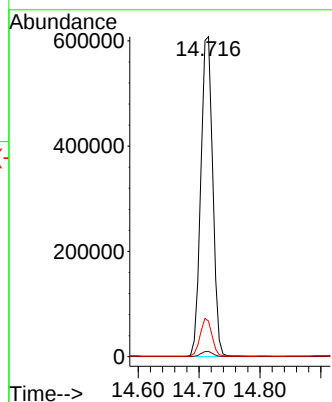
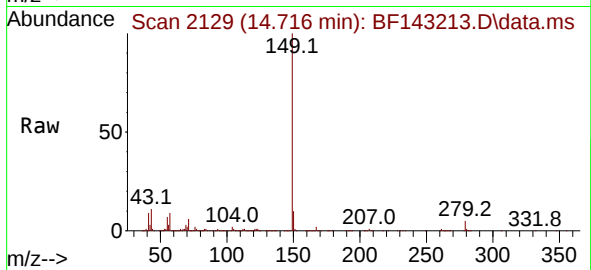




#85
Di-n-octyl phthalate
Concen: 45.393 ng
RT: 14.716 min Scan# 2129
Delta R.T. 0.000 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

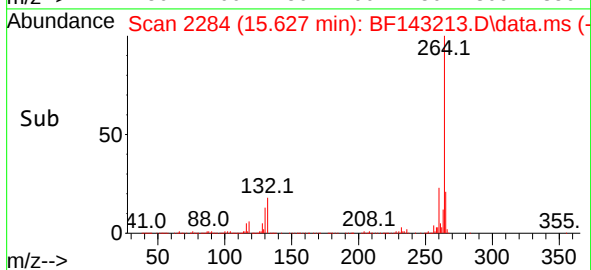
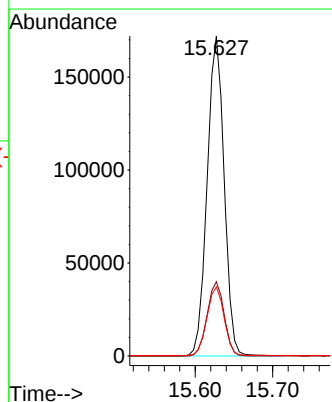
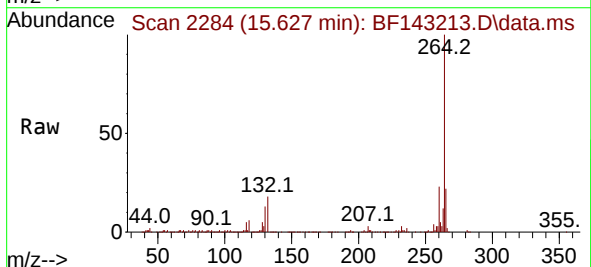
Instrument :
BNA_F
ClientSampleId :
PB168954BS

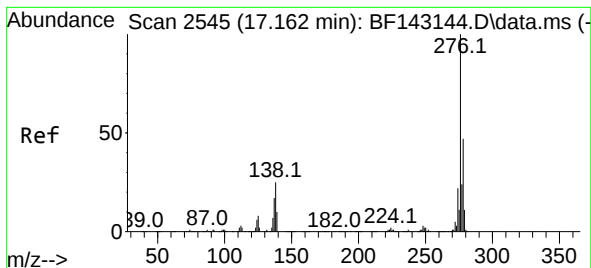
Tgt Ion:149 Resp: 825088
Ion Ratio Lower Upper
149 100
167 1.6 1.1 1.7
43 11.5 9.7 14.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.627 min Scan# 2284
Delta R.T. 0.006 min
Lab File: BF143213.D
Acq: 23 Jul 2025 16:00

Tgt Ion:264 Resp: 261797
Ion Ratio Lower Upper
264 100
260 23.2 18.5 27.7
265 21.6 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 45.525 ng

RT: 17.168 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143213.D

Acq: 23 Jul 2025 16:00

Instrument :

BNA_F

ClientSampleId :

PB168954BS

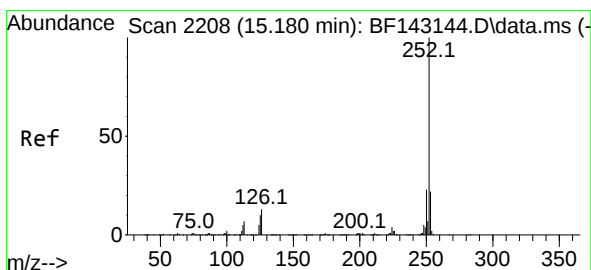
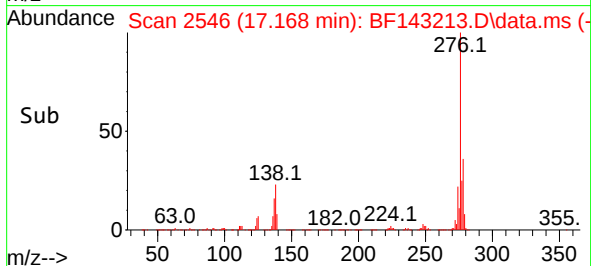
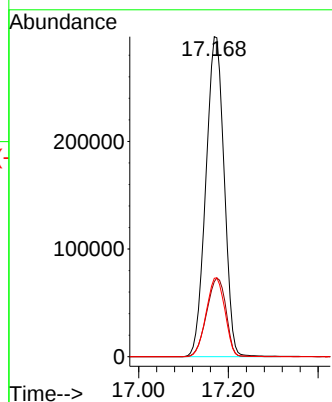
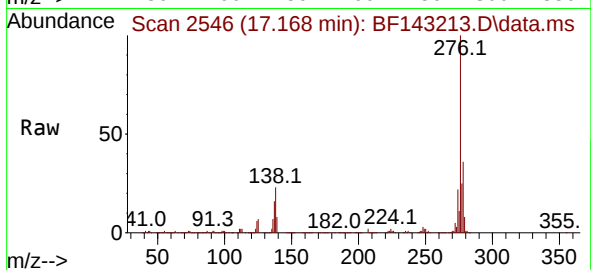
Tgt Ion:276 Resp: 840404

Ion Ratio Lower Upper

276 100

138 26.1 21.8 32.6

277 25.3 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 44.609 ng

RT: 15.186 min Scan# 2209

Delta R.T. 0.006 min

Lab File: BF143213.D

Acq: 23 Jul 2025 16:00

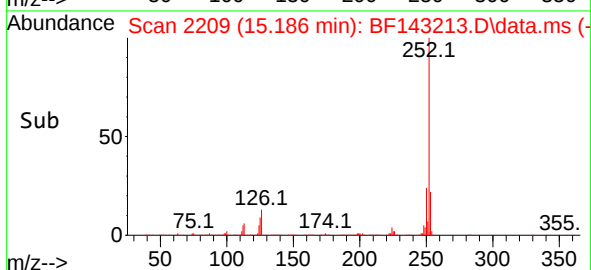
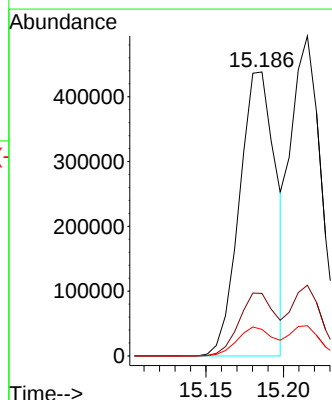
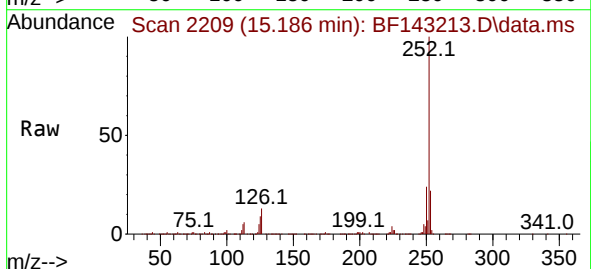
Tgt Ion:252 Resp: 713448

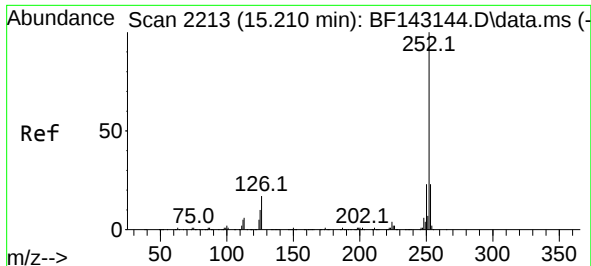
Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 9.4 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 46.464 ng

RT: 15.215 min Scan# 2213

Delta R.T. 0.006 min

Lab File: BF143213.D

Acq: 23 Jul 2025 16:00

Instrument :

BNA_F

ClientSampleId :

PB168954BS

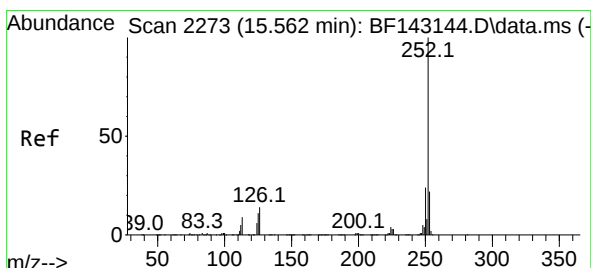
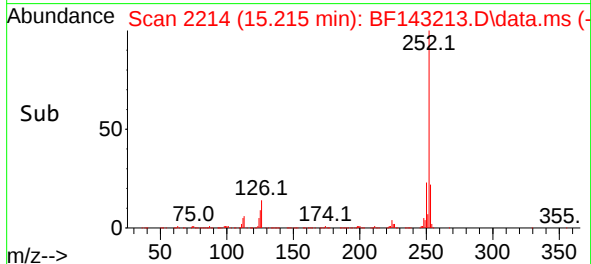
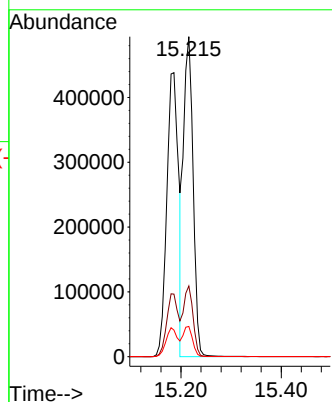
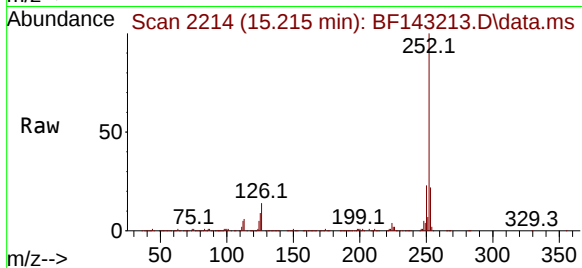
Tgt Ion:252 Resp: 663116

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.6

125 9.4 8.1 12.1



#90

Benzo(a)pyrene

Concen: 45.669 ng

RT: 15.563 min Scan# 2273

Delta R.T. 0.000 min

Lab File: BF143213.D

Acq: 23 Jul 2025 16:00

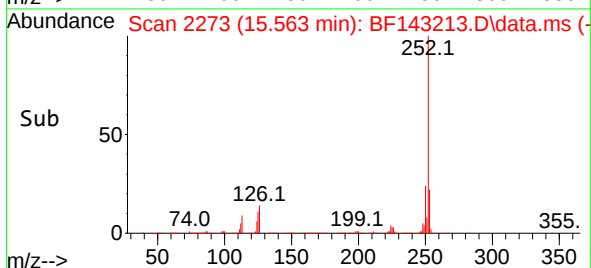
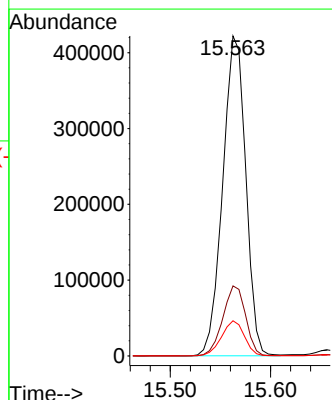
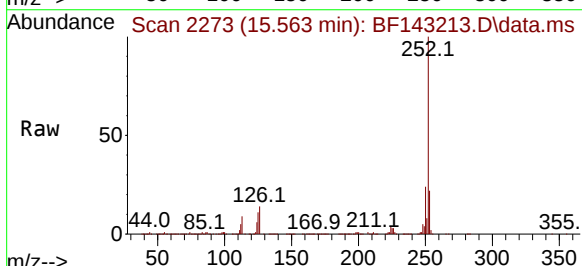
Tgt Ion:252 Resp: 672961

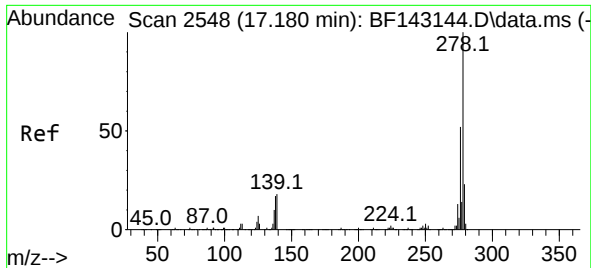
Ion Ratio Lower Upper

252 100

253 21.9 17.3 25.9

125 11.0 8.6 13.0

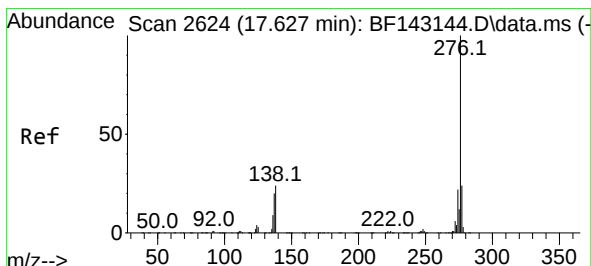
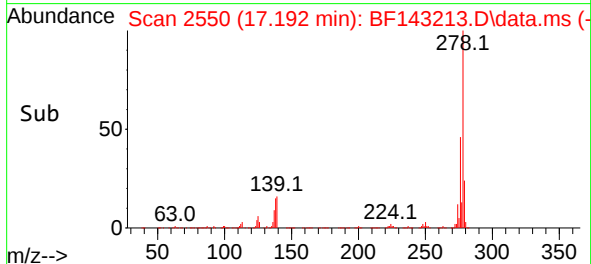
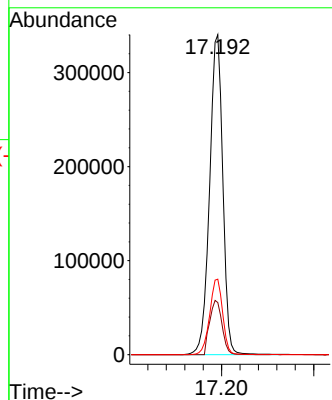
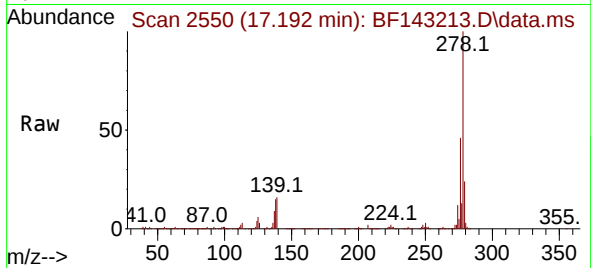




#91
 Dibenzo(a,h)anthracene
 Concen: 45.191 ng
 RT: 17.192 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BF143213.D
 Acq: 23 Jul 2025 16:00

Instrument :
 BNA_F
 ClientSampleId :
 PB168954BS

Tgt Ion:278 Resp: 679016
 Ion Ratio Lower Upper
 278 100
 139 16.3 14.1 21.1
 279 23.6 18.6 28.0



#92
 Benzo(g,h,i)perylene
 Concen: 46.196 ng
 RT: 17.639 min Scan# 2626
 Delta R.T. 0.012 min
 Lab File: BF143213.D
 Acq: 23 Jul 2025 16:00

Tgt Ion:276 Resp: 671436
 Ion Ratio Lower Upper
 276 100
 277 24.0 19.1 28.7
 138 22.5 18.9 28.3

