

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
 Data File : BF143307.D
 Acq On : 05 Aug 2025 10:58
 Operator : RC/JU
 Sample : PB169095BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB169095BS

Quant Time: Aug 05 11:26:09 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	118629	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	457337	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	232356	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	366236	20.000	ng	0.00
76) Chrysene-d12	14.127	240	223170	20.000	ng	0.00
86) Perylene-d12	15.633	264	254386	20.000	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	890640	118.808	ng	0.02
7) Phenol-d6	6.592	99	1127332	119.475	ng	0.00
23) Nitrobenzene-d5	7.522	82	752737	82.044	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	311231	129.660	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1349144	79.409	ng	0.00
79) Terphenyl-d14	13.069	244	1204878	80.342	ng	0.00

Target Compounds					Qvalue
2) 1,4-Dioxane	2.893	88	133086	37.519	ng 100
3) Pyridine	3.646	79	357435	38.823	ng 97
4) n-Nitrosodimethylamine	3.593	42	208878	43.942	ng 97
6) Aniline	6.622	93	475405	36.151	ng 94
8) 2-Chlorophenol	6.751	128	354173	45.073	ng 97
9) Benzaldehyde	6.510	77	221233	31.268	ng 100
10) Phenol	6.604	94	466719	45.404	ng 95
11) bis(2-Chloroethyl)ether	6.692	93	354481	45.039	ng 100
12) 1,3-Dichlorobenzene	6.904	146	374570	43.881	ng 98
13) 1,4-Dichlorobenzene	6.981	146	373783	43.482	ng 99
14) 1,2-Dichlorobenzene	7.134	146	358774	43.881	ng 99
15) Benzyl Alcohol	7.098	79	318906	44.264	ng 99
16) 2,2'-oxybis(1-Chloropr...	7.234	45	657171	45.012	ng 98
17) 2-Methylphenol	7.210	107	292413	44.258	ng 99
18) Hexachloroethane	7.475	117	134155	45.080	ng 97
19) n-Nitroso-di-n-propyla...	7.369	70	261896	43.263	ng 100
20) 3+4-Methylphenols	7.363	107	346128	43.179	ng # 77
22) Acetophenone	7.363	105	473988	43.776	ng 94
24) Nitrobenzene	7.539	77	387205	45.267	ng 99
25) Isophorone	7.781	82	725302	44.781	ng 98
26) 2-Nitrophenol	7.857	139	189149	50.951	ng 98
27) 2,4-Dimethylphenol	7.892	122	330601	43.689	ng 98
28) bis(2-Chloroethoxy)met...	7.987	93	442833	45.602	ng 99
29) 2,4-Dichlorophenol	8.098	162	285450	44.730	ng 99
30) 1,2,4-Trichlorobenzene	8.181	180	307473	44.598	ng 100
31) Naphthalene	8.263	128	1001515	44.466	ng 100
32) Benzoic acid	8.004	122	175738	41.958	ng 98
33) 4-Chloroaniline	8.304	127	251708	27.369	ng 99
34) Hexachlorobutadiene	8.386	225	187108	44.427	ng 99
35) Caprolactam	8.675	113	73569	38.150	ng 98
36) 4-Chloro-3-methylphenol	8.786	107	313467	45.193	ng 100
37) 2-Methylnaphthalene	8.957	142	614719	44.851	ng 99
38) 1-Methylnaphthalene	9.057	142	634487	44.956	ng 100
40) 1,2,4,5-Tetrachloroben...	9.128	216	298949	44.564	ng 99
41) Hexachlorocyclopentadiene	9.116	237	357071	81.804	ng 99
43) 2,4,6-Trichlorophenol	9.233	196	196949	42.421	ng 100

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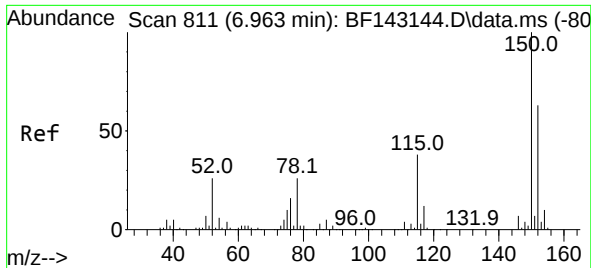
Quant Time: Aug 05 11:26:09 2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	211805	45.607	ng	99
46) 1,1'-Biphenyl	9.422	154	811976	44.790	ng	99
47) 2-Chloronaphthalene	9.445	162	602995	44.954	ng	99
48) 2-Nitroaniline	9.533	65	203961	48.487	ng	100
49) Acenaphthylene	9.863	152	1016395	45.215	ng	100
50) Dimethylphthalate	9.716	163	693056	45.759	ng	100
51) 2,6-Dinitrotoluene	9.775	165	155053	50.325	ng	98
52) Acenaphthene	10.033	154	658002	49.525	ng	99
53) 3-Nitroaniline	9.945	138	122794	34.073	ng	96
54) 2,4-Dinitrophenol	10.051	184	148070	103.867	ng	# 1
55) Dibenzofuran	10.204	168	871941	44.203	ng	100
56) 4-Nitrophenol	10.104	139	226718	84.247	ng	96
57) 2,4-Dinitrotoluene	10.180	165	200962	51.988	ng	96
58) Fluorene	10.551	166	660530	44.616	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	174330	45.315	ng	98
60) Diethylphthalate	10.416	149	688882	46.018	ng	99
61) 4-Chlorophenyl-phenyle...	10.539	204	336708	45.675	ng	98
62) 4-Nitroaniline	10.557	138	145725	47.181	ng	98
63) Azobenzene	10.698	77	709639	45.484	ng	100
65) 4,6-Dinitro-2-methylph...	10.592	198	99435	51.364	ng	99
66) n-Nitrosodiphenylamine	10.657	169	588520	45.635	ng	99
67) 4-Bromophenyl-phenylether	11.027	248	204566	46.870	ng	99
68) Hexachlorobenzene	11.104	284	208607	45.728	ng	98
69) Atrazine	11.180	200	178303	50.150	ng	99
70) Pentachlorophenol	11.292	266	224940	83.847	ng	99
71) Phenanthrene	11.516	178	881990	45.356	ng	100
72) Anthracene	11.563	178	897867	45.272	ng	100
73) Carbazole	11.716	167	794899	45.901	ng	100
74) Di-n-butylphthalate	12.045	149	985524	50.294	ng	100
75) Fluoranthene	12.704	202	850431	47.646	ng	100
77) Benzidine	12.816	184	343105	39.905	ng	98
78) Pyrene	12.933	202	844315	44.329	ng	100
80) Butylbenzylphthalate	13.539	149	330575	56.680	ng	99
81) Benzo(a)anthracene	14.116	228	700613	46.891	ng	99
82) 3,3'-Dichlorobenzidine	14.074	252	169971	34.132	ng	99
83) Chrysene	14.157	228	601537	44.779	ng	99
84) Bis(2-ethylhexyl)phtha...	14.098	149	455949	51.650	ng	98
85) Di-n-octyl phthalate	14.715	149	764520	47.779	ng	# 100
87) Indeno(1,2,3-cd)pyrene	17.186	276	823824	45.927	ng	98
88) Benzo(b)fluoranthene	15.192	252	666144	42.865	ng	99
89) Benzo(k)fluoranthene	15.221	252	670019	48.315	ng	99
90) Benzo(a)pyrene	15.574	252	663370	46.330	ng	99
91) Dibenzo(a,h)anthracene	17.204	278	670907	45.952	ng	100
92) Benzo(g,h,i)perylene	17.651	276	666185	47.170	ng	98

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

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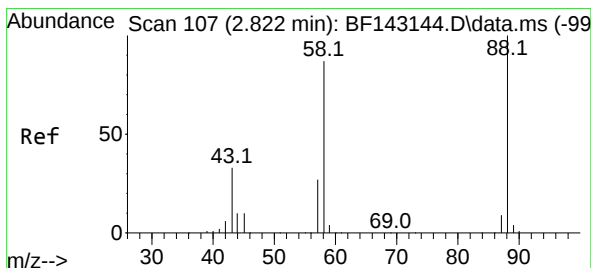
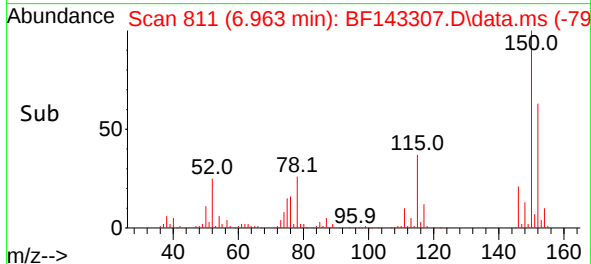
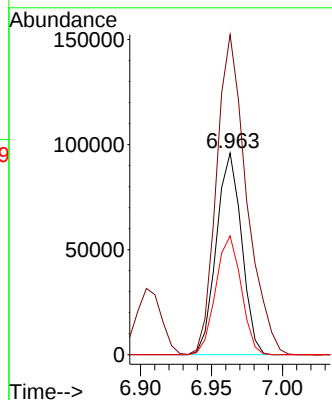
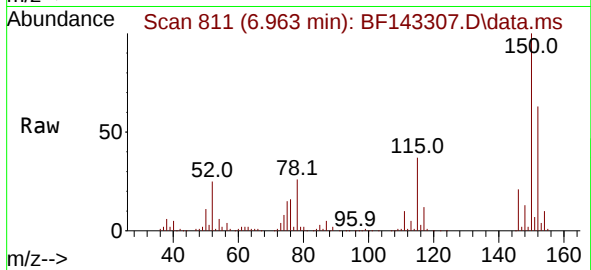




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

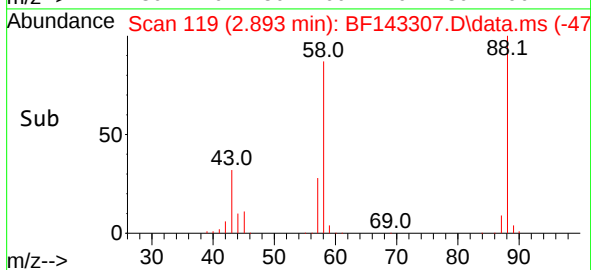
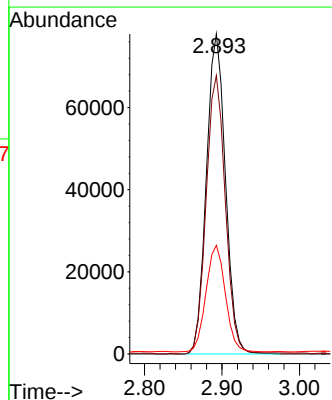
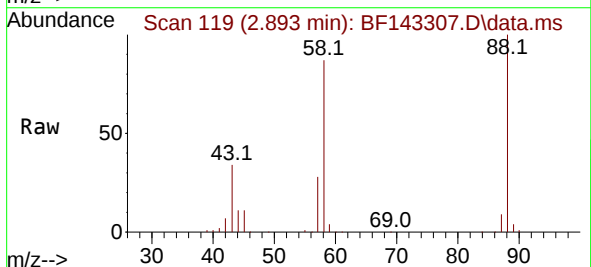
Instrument :
BNA_F
ClientSampleId :
PB169095BS

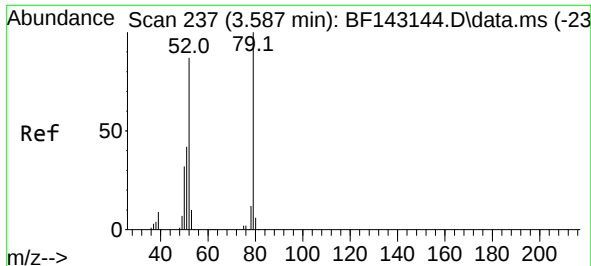
Tgt Ion:152 Resp: 118629
Ion Ratio Lower Upper
152 100
150 158.8 128.2 192.4
115 58.9 47.9 71.9



#2
1,4-Dioxane
Concen: 37.519 ng
RT: 2.893 min Scan# 119
Delta R.T. 0.071 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion: 88 Resp: 133086
Ion Ratio Lower Upper
88 100
58 88.0 70.2 105.2
43 33.7 27.1 40.7





#3

Pyridine

Concen: 38.823 ng

RT: 3.646 min Scan# 24

Delta R.T. 0.059 min

Lab File: BF143307.D

Acq: 05 Aug 2025 10:58

Instrument :

BNA_F

ClientSampleId :

PB169095BS

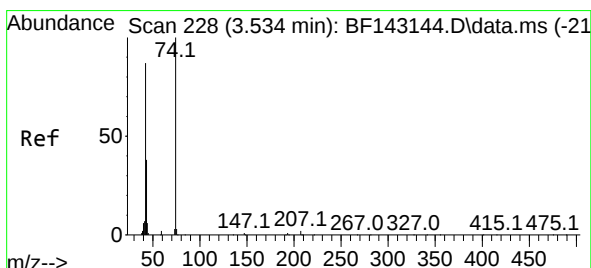
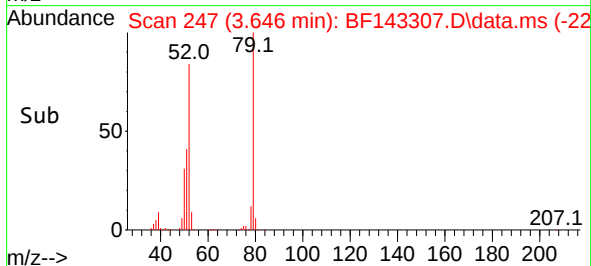
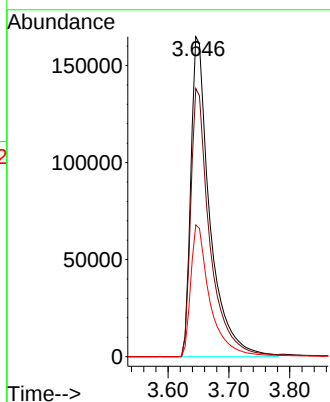
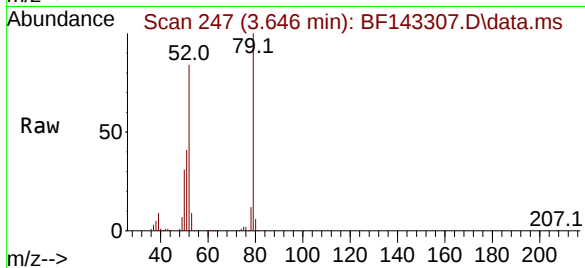
Tgt Ion: 79 Resp: 357435

Ion Ratio Lower Upper

79 100

52 83.8 69.4 104.2

51 41.2 33.5 50.3



#4

n-Nitrosodimethylamine

Concen: 43.942 ng

RT: 3.593 min Scan# 238

Delta R.T. 0.059 min

Lab File: BF143307.D

Acq: 05 Aug 2025 10:58

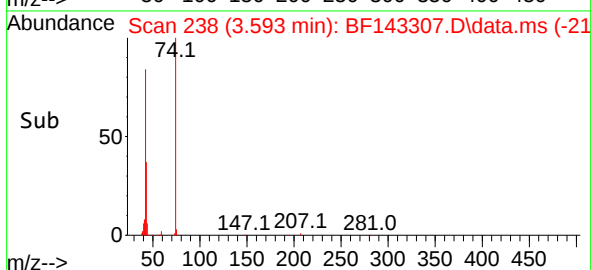
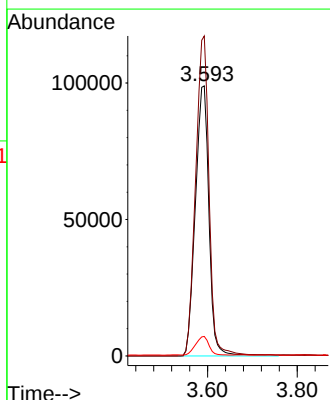
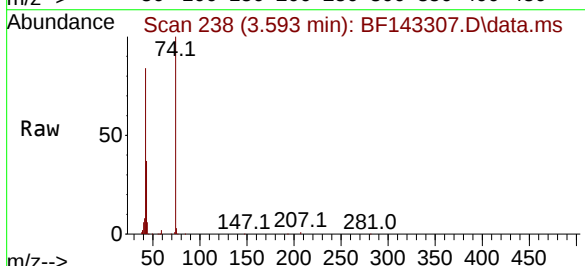
Tgt Ion: 42 Resp: 208878

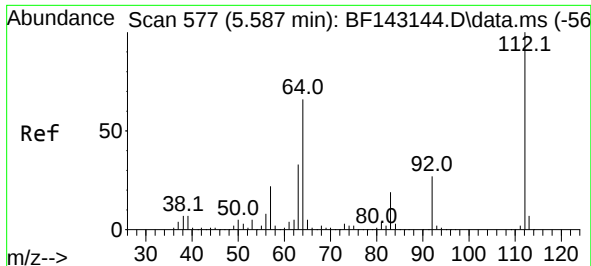
Ion Ratio Lower Upper

42 100

74 118.5 91.7 137.5

44 7.2 5.6 8.4

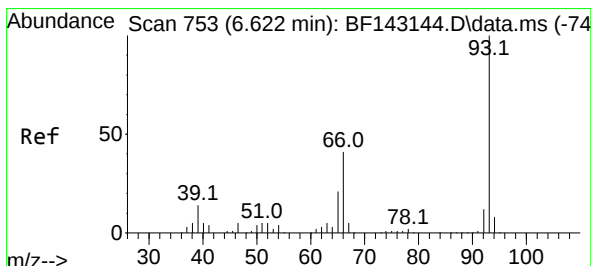
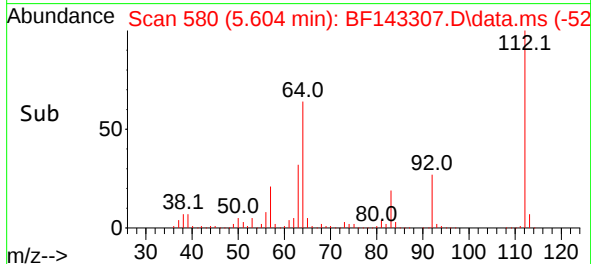
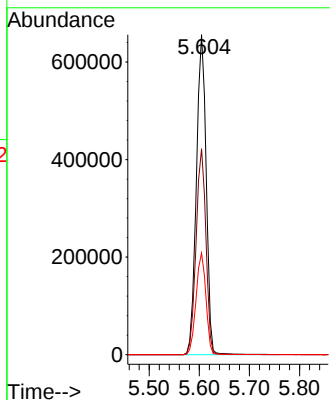
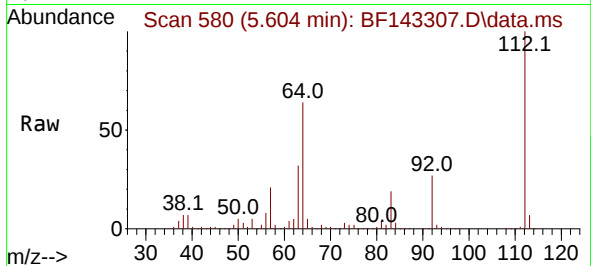




#5
2-Fluorophenol
Concen: 118.808 ng
RT: 5.604 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

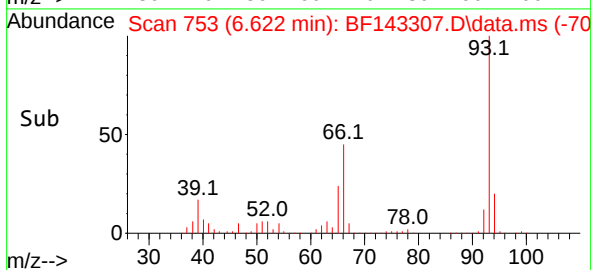
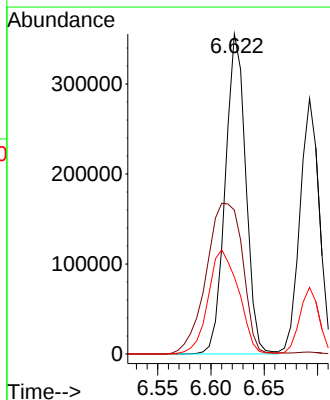
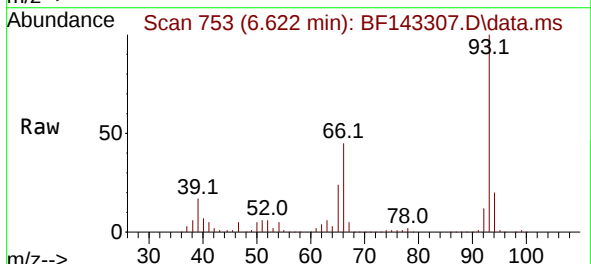
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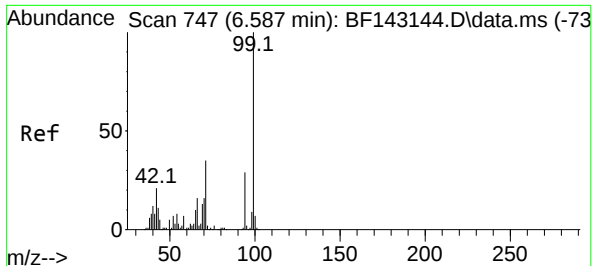
Tgt Ion:112 Resp: 890640
Ion Ratio Lower Upper
112 100
64 64.3 53.1 79.7
63 31.8 26.6 40.0



#6
Aniline
Concen: 36.151 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion: 93 Resp: 475405
Ion Ratio Lower Upper
93 100
66 45.0 33.2 49.8
65 24.1 16.9 25.3



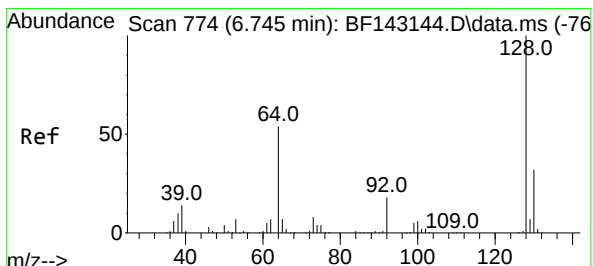
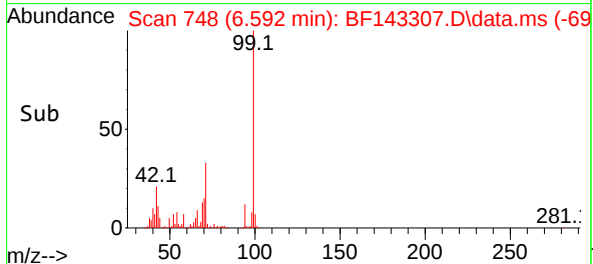
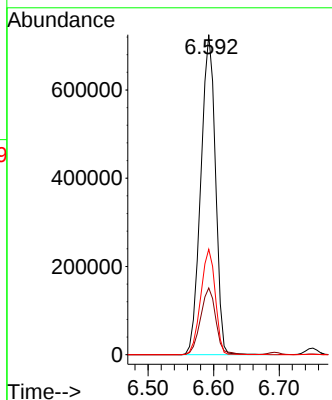
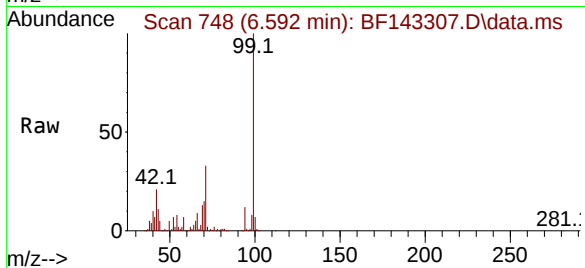


#7
Phenol-d6
Concen: 119.475 ng
RT: 6.592 min Scan# 747
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion: 99 Resp: 1127332

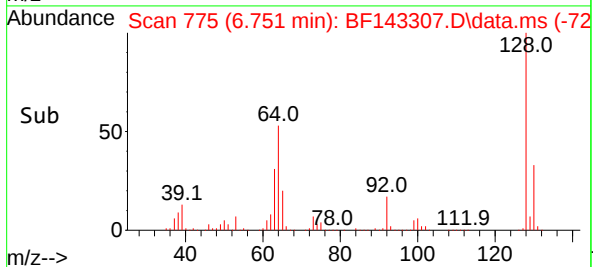
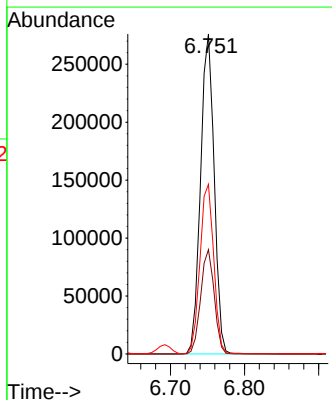
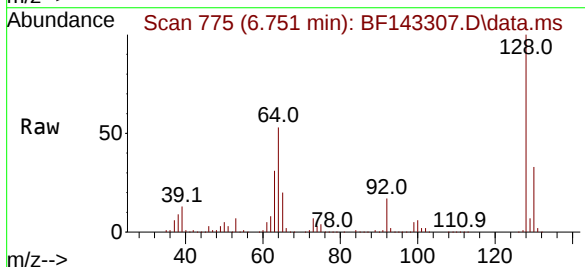
Ion	Ratio	Lower	Upper
99	100		
42	20.8	17.0	25.6
71	32.9	27.7	41.5

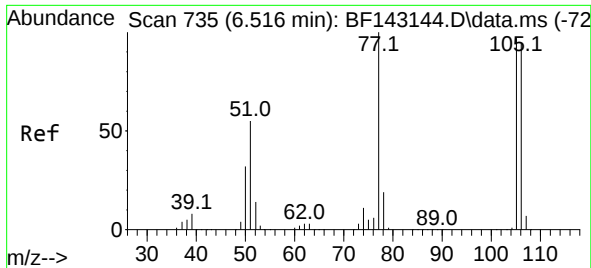


#8
2-Chlorophenol
Concen: 45.073 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion: 128 Resp: 354173

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.3	52.3
64	53.0	35.9	75.9

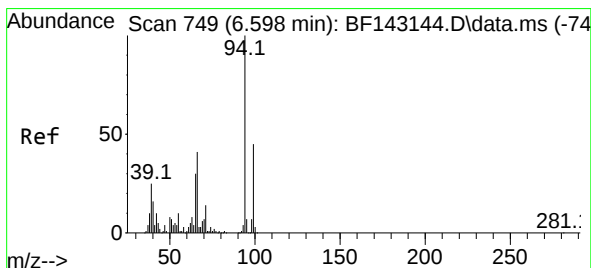
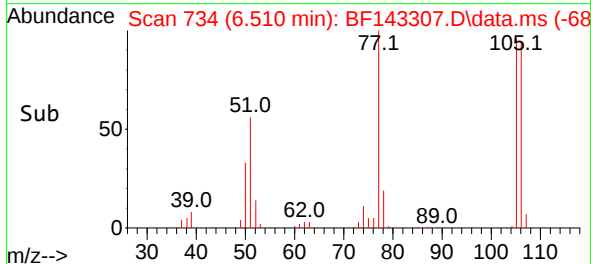
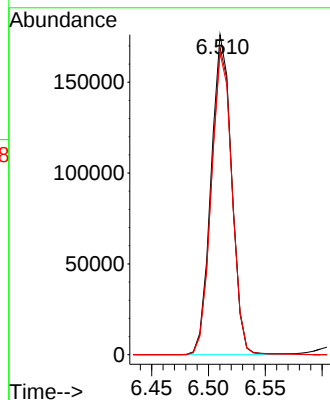
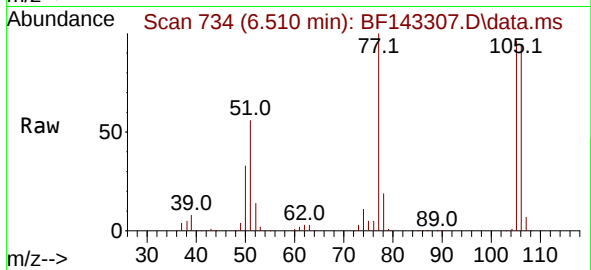




#9
Benzaldehyde
Concen: 31.268 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

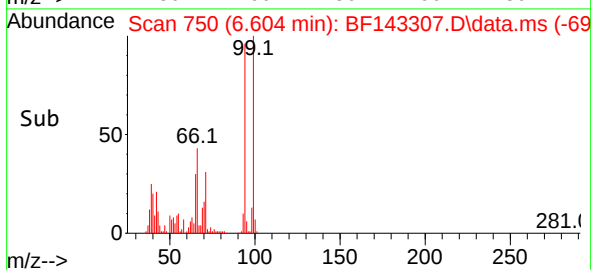
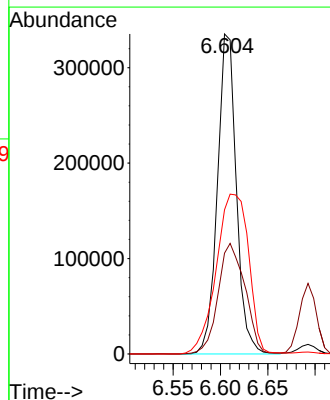
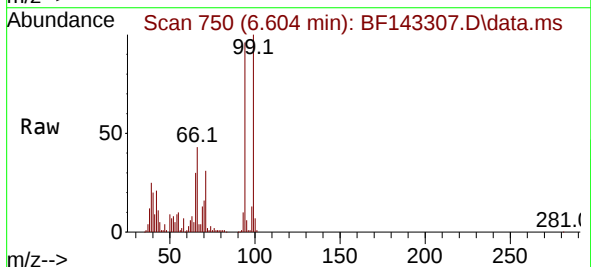
Instrument :
BNA_F
ClientSampleId :
PB169095BS

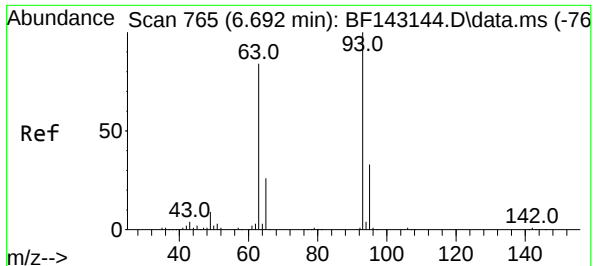
Tgt Ion: 77 Resp: 221233
Ion Ratio Lower Upper
77 100
105 96.0 76.8 116.8
106 94.3 74.4 114.4



#10
Phenol
Concen: 45.404 ng
RT: 6.604 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion: 94 Resp: 466719
Ion Ratio Lower Upper
94 100
65 31.5 10.0 50.0
66 45.1 20.8 60.8





#11

bis(2-Chloroethyl)ether

Concen: 45.039 ng

RT: 6.692 min Scan# 765

Delta R.T. 0.000 min

Lab File: BF143307.D

Acq: 05 Aug 2025 10:58

Instrument :

BNA_F

ClientSampleId :

PB169095BS

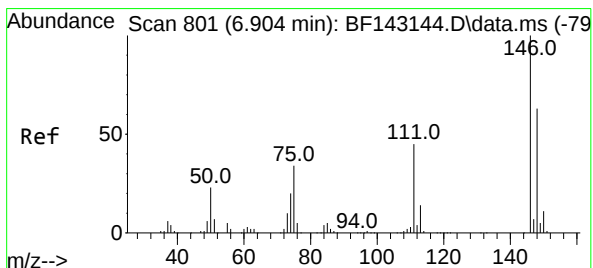
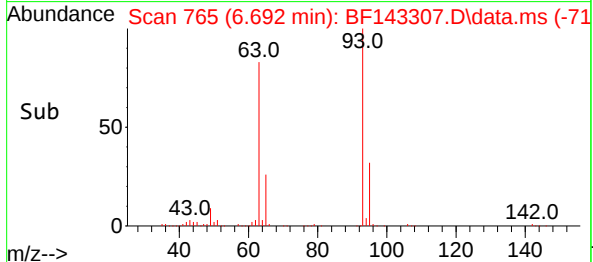
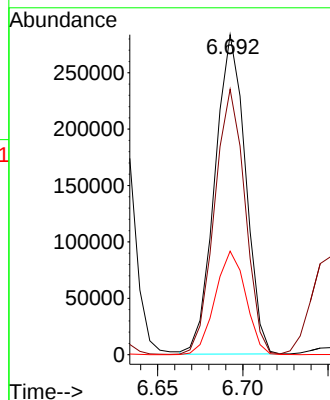
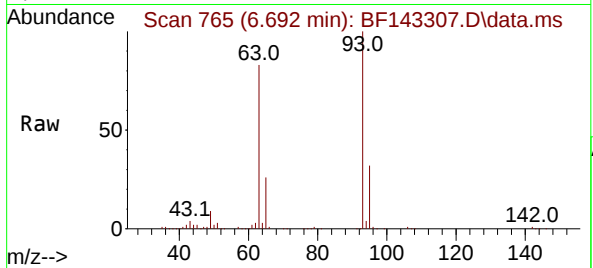
Tgt Ion: 93 Resp: 354481

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: 43.881 ng

RT: 6.904 min Scan# 801

Delta R.T. 0.000 min

Lab File: BF143307.D

Acq: 05 Aug 2025 10:58

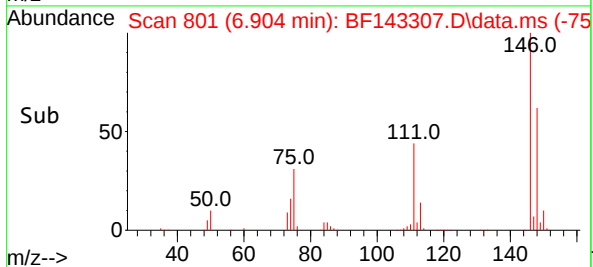
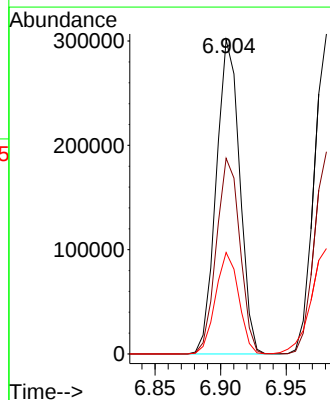
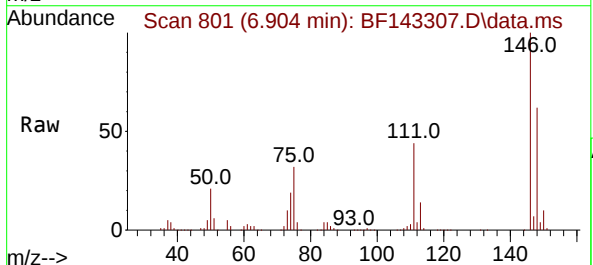
Tgt Ion: 146 Resp: 374570

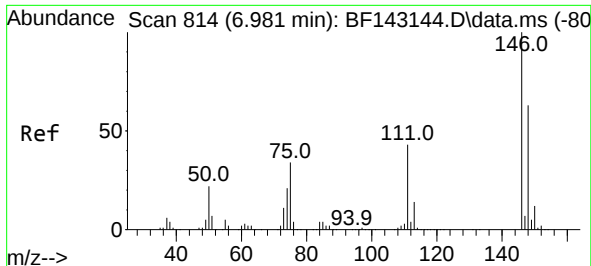
Ion Ratio Lower Upper

146 100

148 62.3 50.6 76.0

75 32.3 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 43.482 ng

RT: 6.981 min Scan# 814

Delta R.T. 0.000 min

Lab File: BF143307.D

Acq: 05 Aug 2025 10:58

Instrument :

BNA_F

ClientSampleId :

PB169095BS

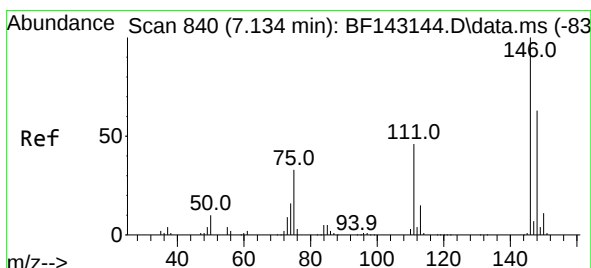
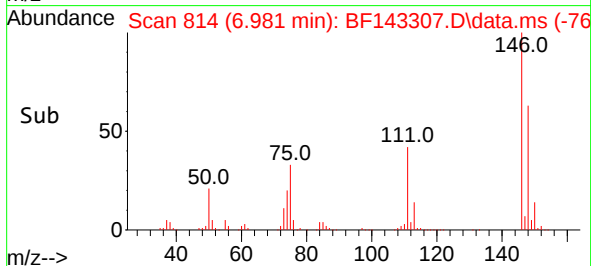
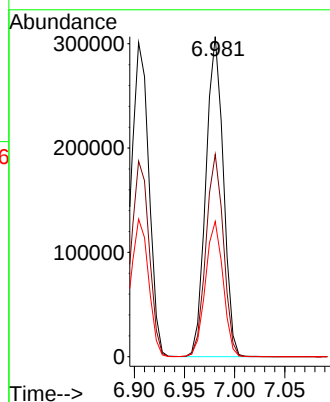
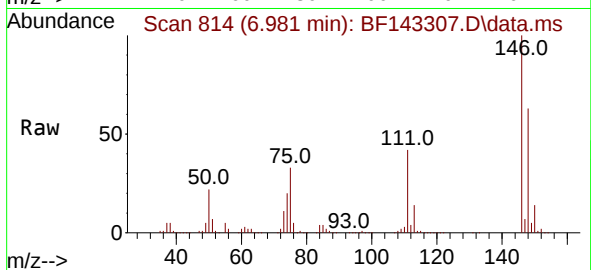
Tgt Ion:146 Resp: 373783

Ion Ratio Lower Upper

146 100

148 63.2 50.3 75.5

111 42.3 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 43.881 ng

RT: 7.134 min Scan# 840

Delta R.T. 0.000 min

Lab File: BF143307.D

Acq: 05 Aug 2025 10:58

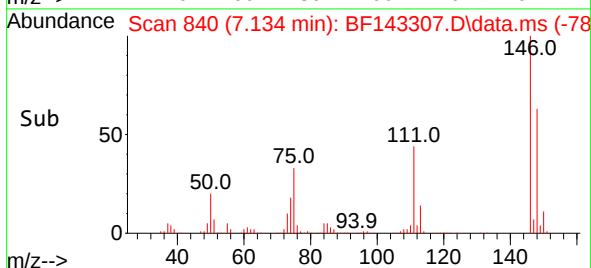
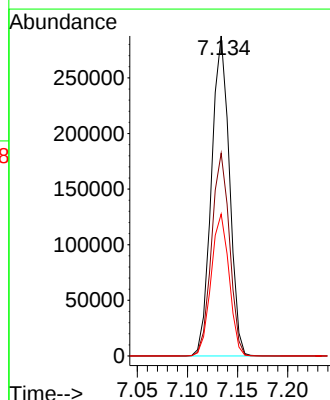
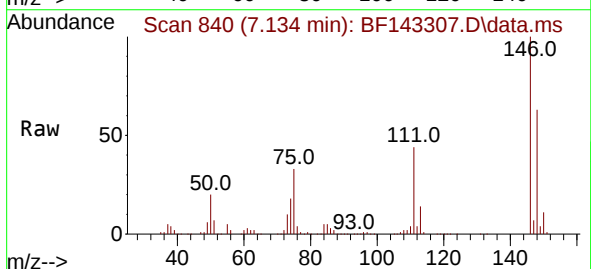
Tgt Ion:146 Resp: 358774

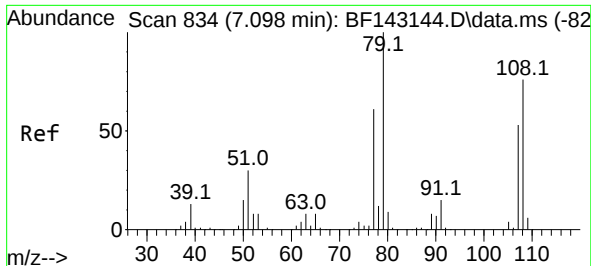
Ion Ratio Lower Upper

146 100

148 63.3 50.7 76.1

111 44.4 36.6 54.8

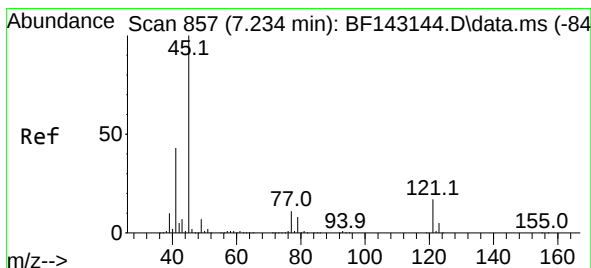
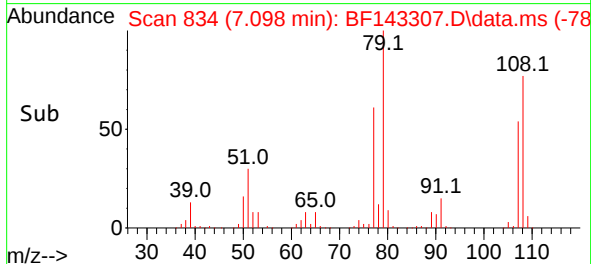
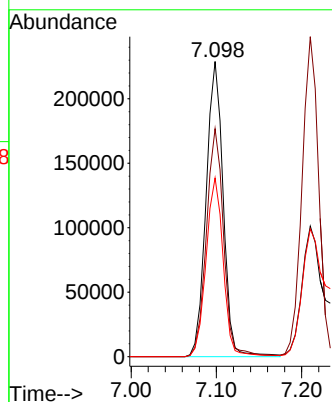
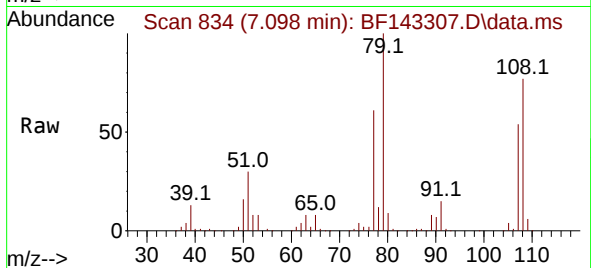




#15
Benzyl Alcohol
Concen: 44.264 ng
RT: 7.098 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

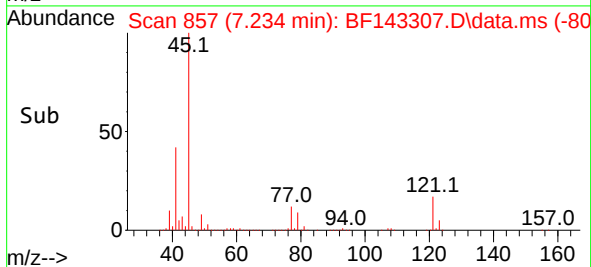
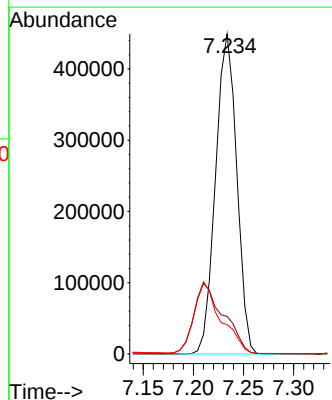
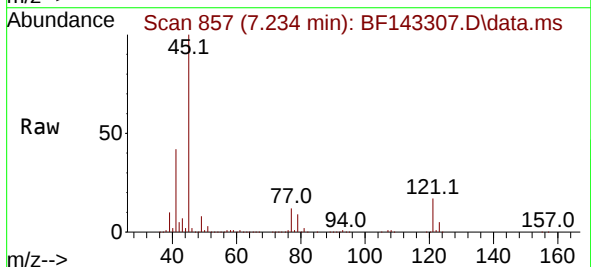
Instrument :
BNA_F
ClientSampleId :
PB169095BS

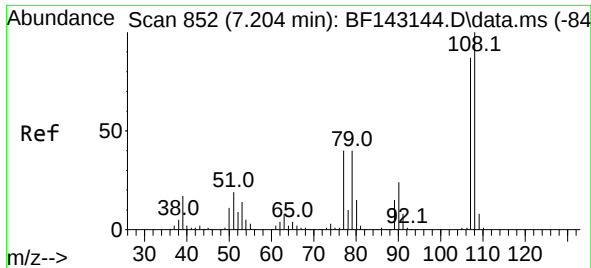
Tgt Ion: 79 Resp: 318906
Ion Ratio Lower Upper
79 100
108 77.2 61.1 91.7
77 60.5 48.9 73.3



#16
2,2'-oxybis(1-chloropropane)
Concen: 45.012 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

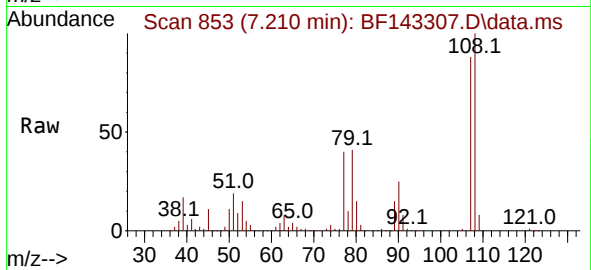
Tgt Ion: 45 Resp: 657171
Ion Ratio Lower Upper
45 100
77 11.8 0.0 31.2
79 9.2 0.0 28.5



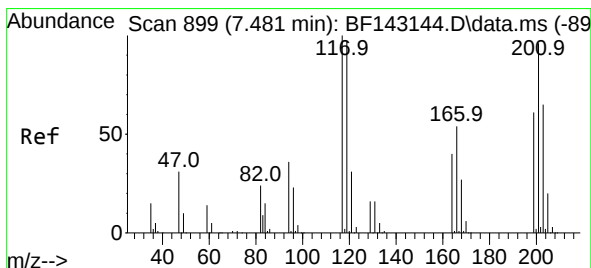
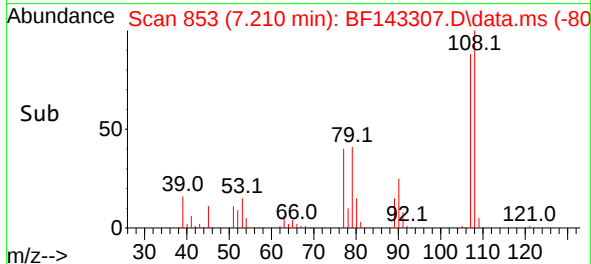
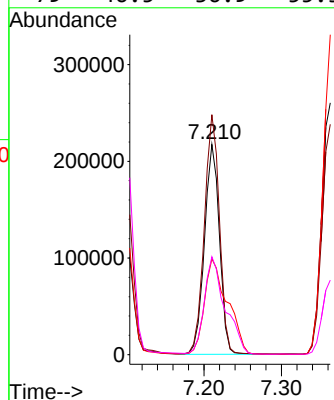


#17
2-Methylphenol
Concen: 44.258 ng
RT: 7.210 min Scan# 853
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

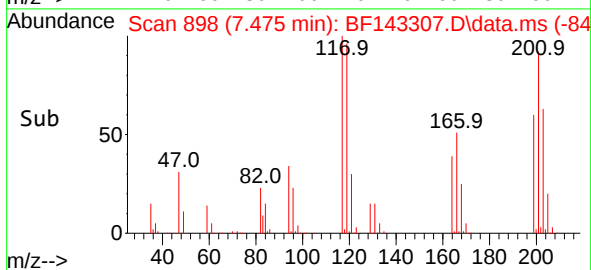
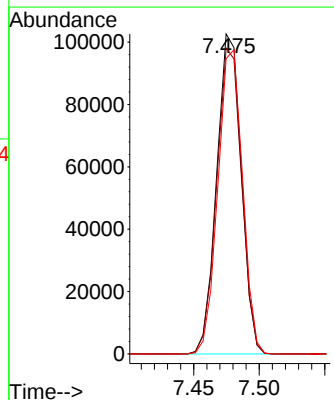
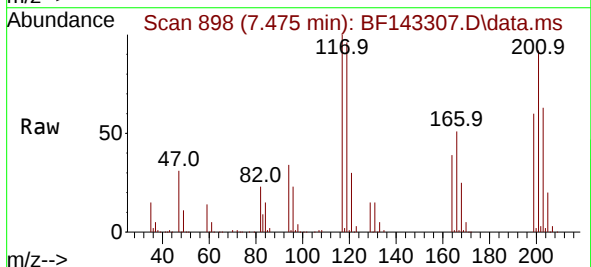


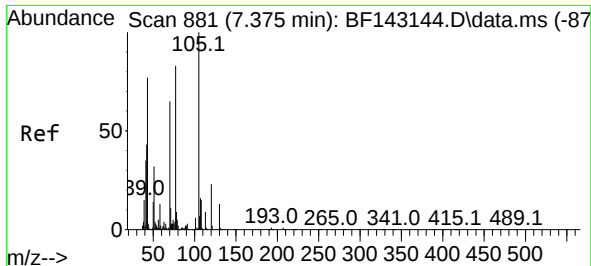
Tgt Ion:	107	Resp:	292413
Ion	Ratio	Lower	Upper
107	100		
108	114.1	91.8	137.6
77	45.6	37.0	55.6
79	46.5	36.9	55.3



#18
Hexachloroethane
Concen: 45.080 ng
RT: 7.475 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:	117	Resp:	134155
Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.8	116.8
201	92.3	77.0	115.4



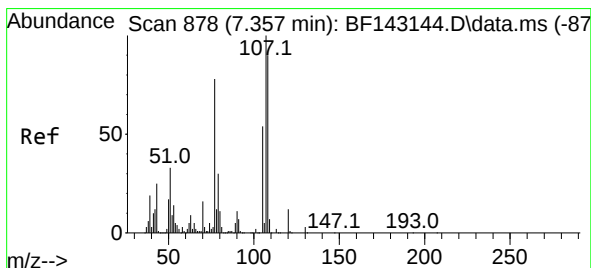
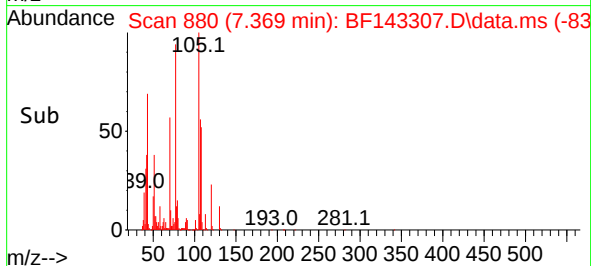
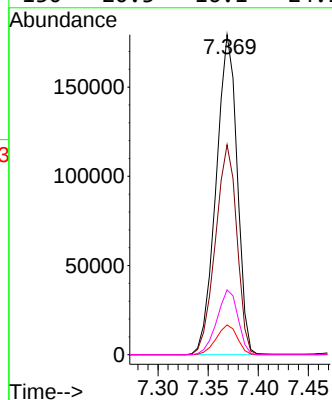
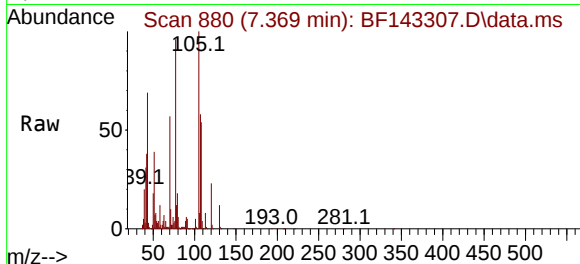


#19
n-Nitroso-di-n-propylamine
Concen: 43.263 ng
RT: 7.369 min Scan# 819
Delta R.T. -0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion: 70 Resp: 261896

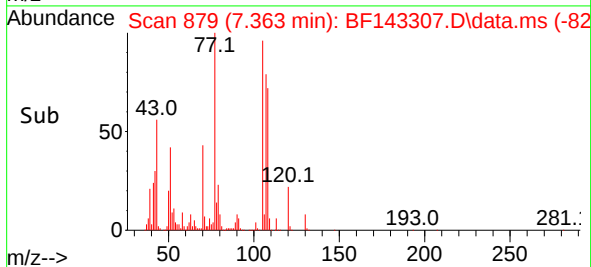
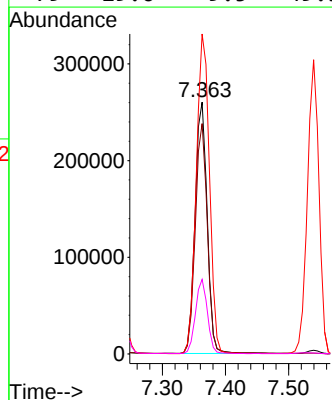
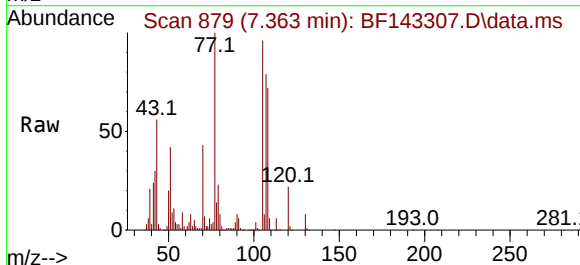
Ion	Ratio	Lower	Upper
70	100		
42	65.6	52.5	78.7
101	9.3	7.6	11.4
130	20.3	16.1	24.1

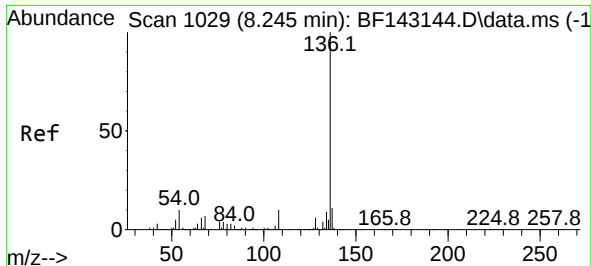


#20
3+4-Methylphenols
Concen: 43.179 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion: 107 Resp: 346128

Ion	Ratio	Lower	Upper
107	100		
108	91.5	70.0	110.0
77	127.0	57.8	97.8#
79	29.6	9.5	49.5

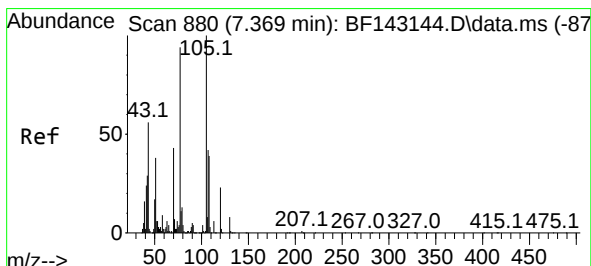
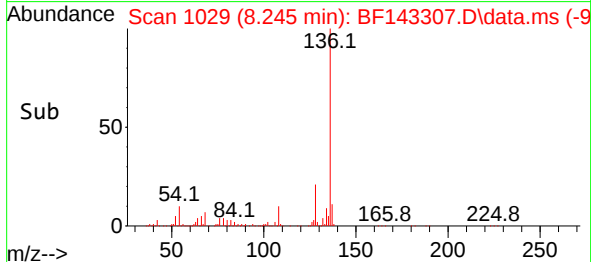
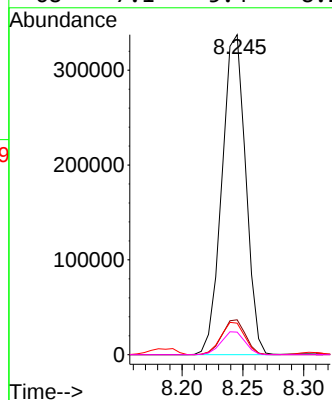
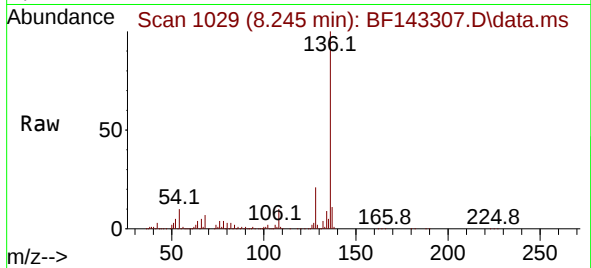




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

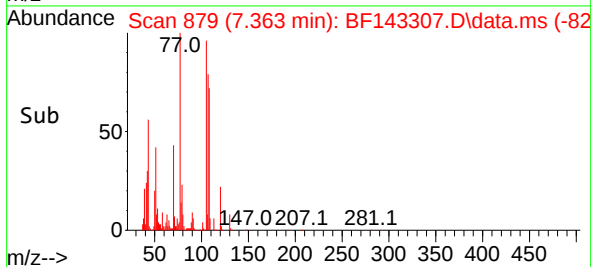
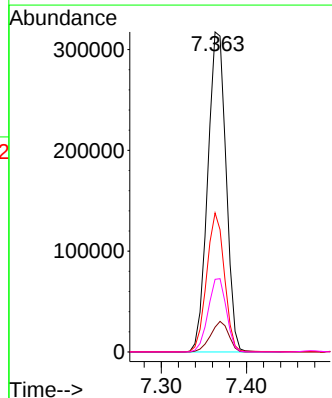
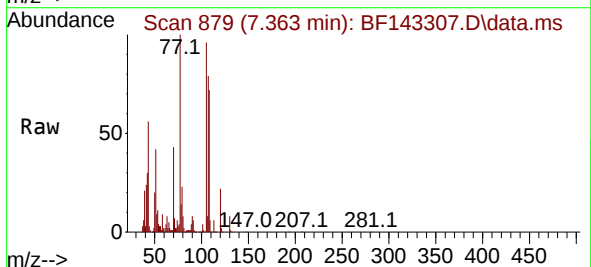
Instrument :
BNA_F
ClientSampleId :
PB169095BS

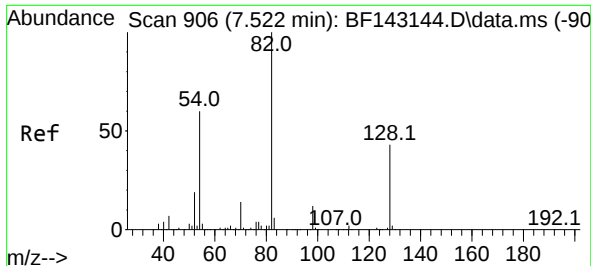
Tgt Ion:	136	Resp:	457337
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.6	13.0
54	9.8	8.2	12.2
68	7.1	5.4	8.2



#22
Acetophenone
Concen: 43.776 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:	105	Resp:	473988
Ion Ratio	Lower	Upper	
105	100		
71	7.8	5.8	8.6
51	43.5	30.2	45.2
120	22.7	18.2	27.4





#23

Nitrobenzene-d5

Concen: 82.044 ng

RT: 7.522 min Scan# 906

Delta R.T. 0.000 min

Lab File: BF143307.D

Acq: 05 Aug 2025 10:58

Instrument :

BNA_F

ClientSampleId :

PB169095BS

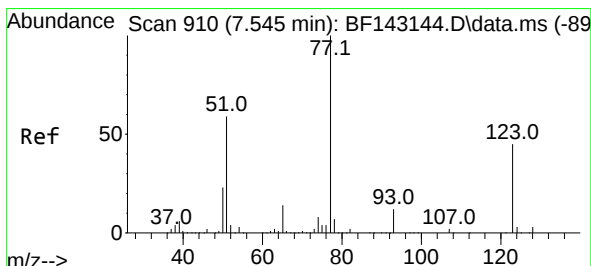
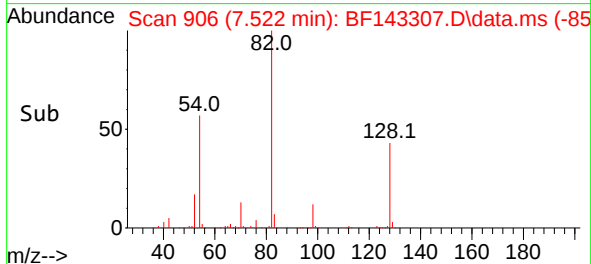
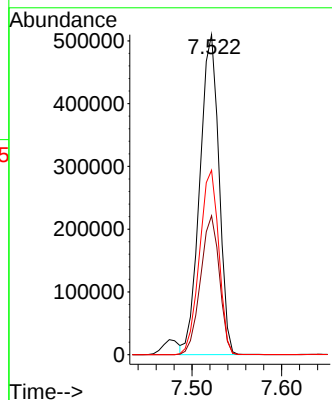
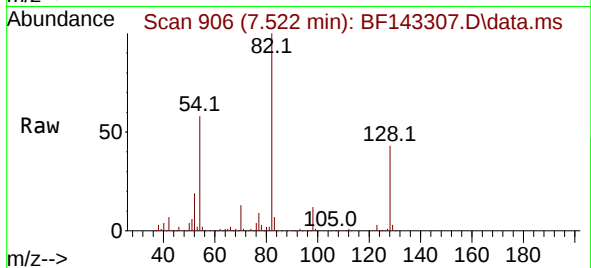
Tgt Ion: 82 Resp: 752737

Ion Ratio Lower Upper

82 100

128 43.4 33.6 50.4

54 57.6 47.1 70.7



#24

Nitrobenzene

Concen: 45.267 ng

RT: 7.539 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF143307.D

Acq: 05 Aug 2025 10:58

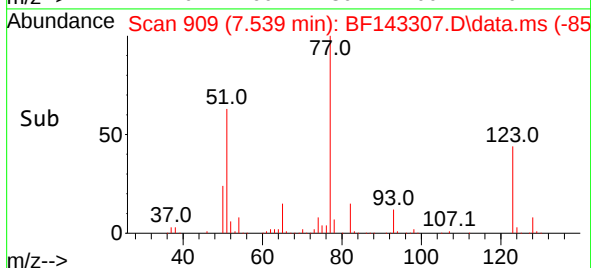
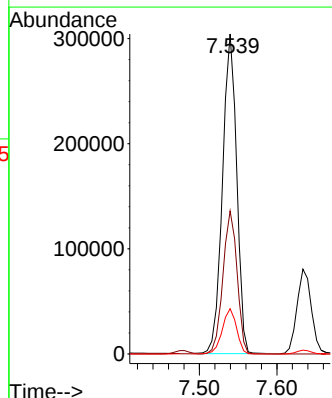
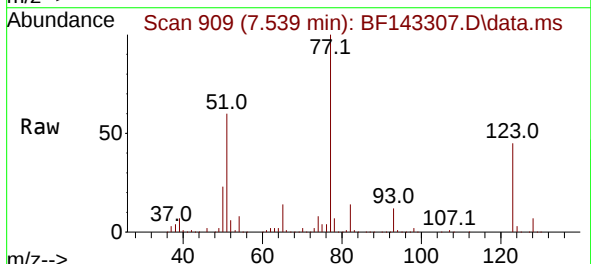
Tgt Ion: 77 Resp: 387205

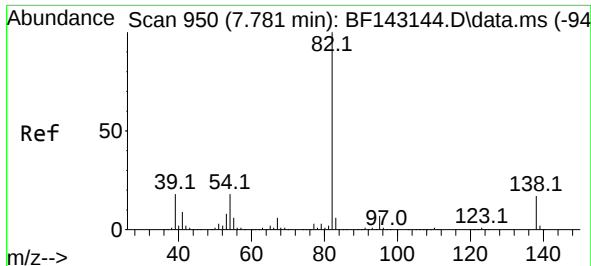
Ion Ratio Lower Upper

77 100

123 44.7 36.1 54.1

65 14.2 11.4 17.2

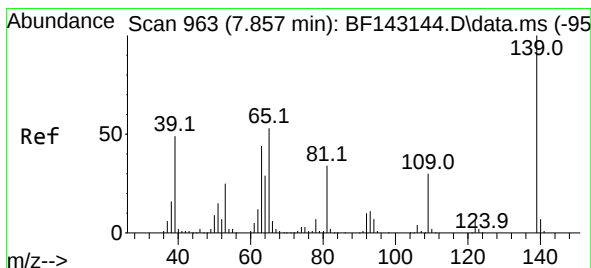
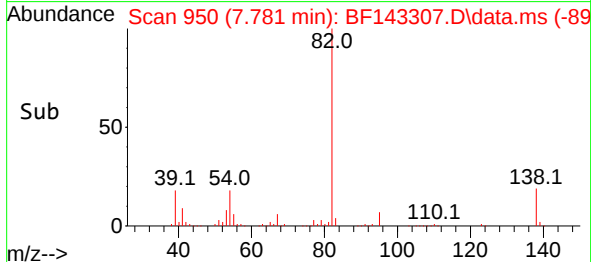
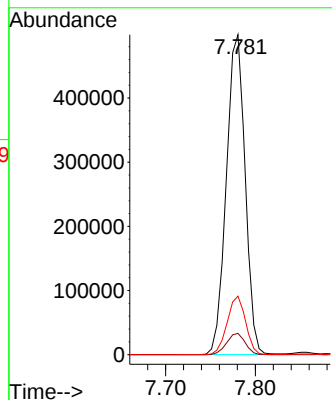
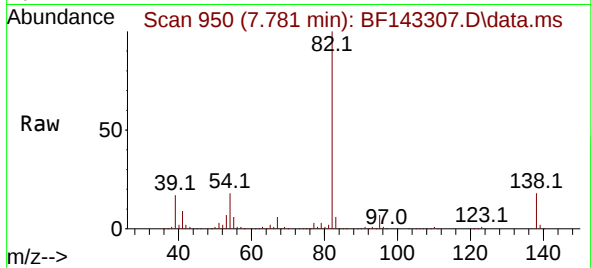




#25
Isophorone
Concen: 44.781 ng
RT: 7.781 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

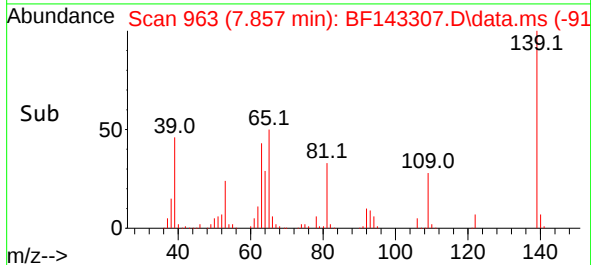
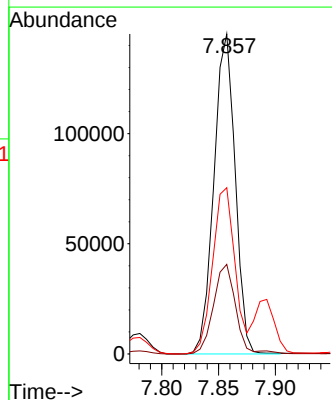
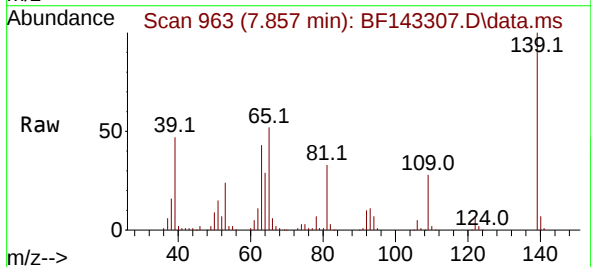
Instrument :
BNA_F
ClientSampleId :
PB169095BS

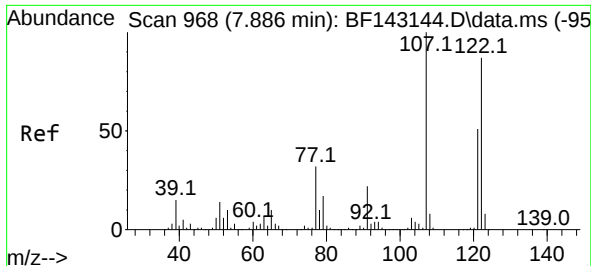
Tgt Ion: 82 Resp: 725302
Ion Ratio Lower Upper
82 100
95 6.6 5.5 8.3
138 18.3 13.8 20.8



#26
2-Nitrophenol
Concen: 50.951 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:139 Resp: 189149
Ion Ratio Lower Upper
139 100
109 28.0 23.6 35.4
65 52.0 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 43.689 ng

RT: 7.892 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF143307.D

Acq: 05 Aug 2025 10:58

Instrument :

BNA_F

ClientSampleId :

PB169095BS

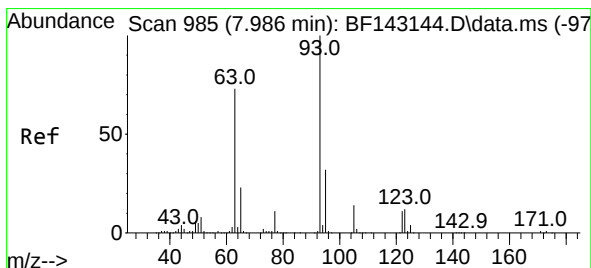
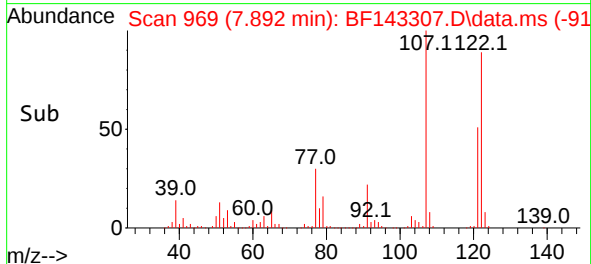
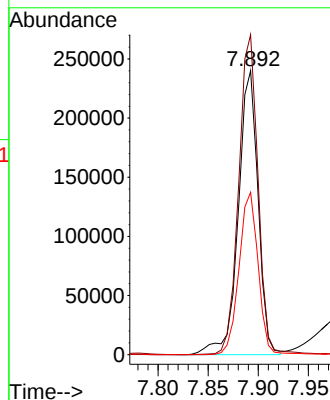
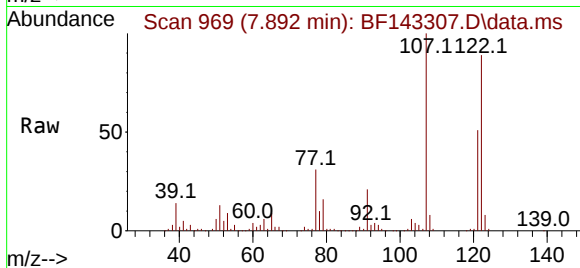
Tgt Ion:122 Resp: 330601

Ion Ratio Lower Upper

122 100

107 112.7 91.8 137.6

121 57.2 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 45.602 ng

RT: 7.987 min Scan# 985

Delta R.T. 0.000 min

Lab File: BF143307.D

Acq: 05 Aug 2025 10:58

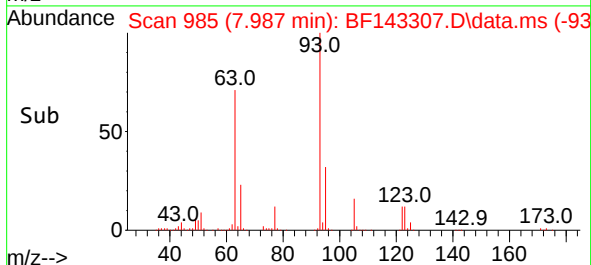
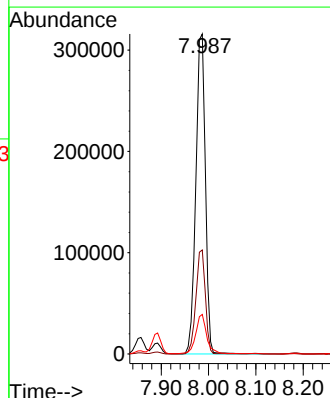
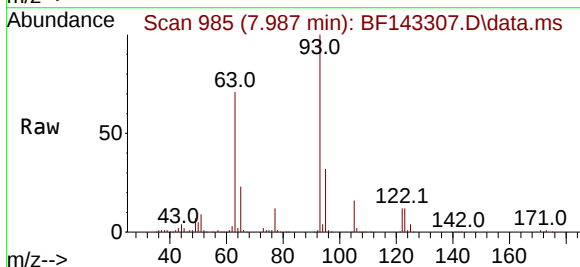
Tgt Ion: 93 Resp: 442833

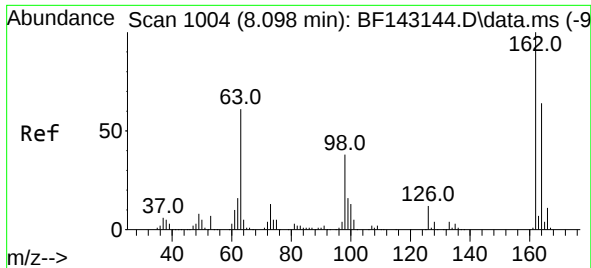
Ion Ratio Lower Upper

93 100

95 32.5 25.8 38.6

123 12.3 9.7 14.5

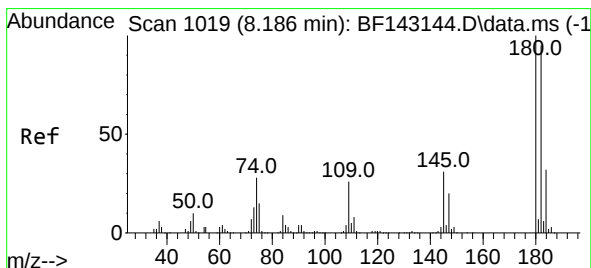
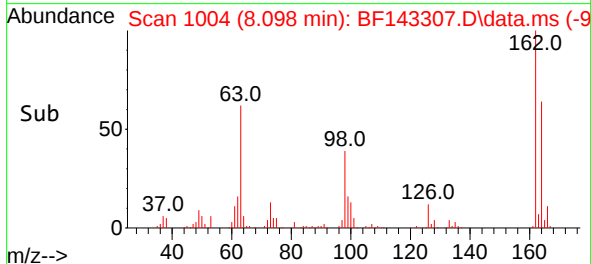
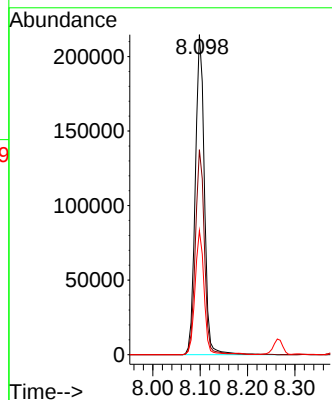
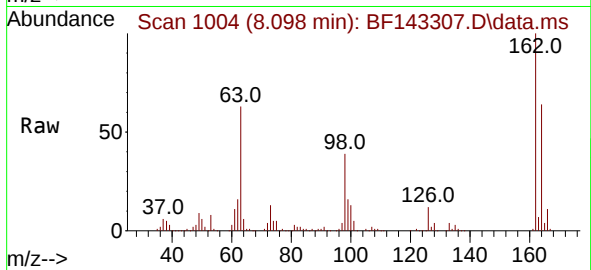




#29
2,4-Dichlorophenol
Concen: 44.730 ng
RT: 8.098 min Scan# 1004
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

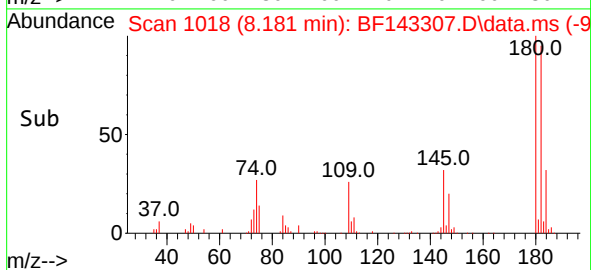
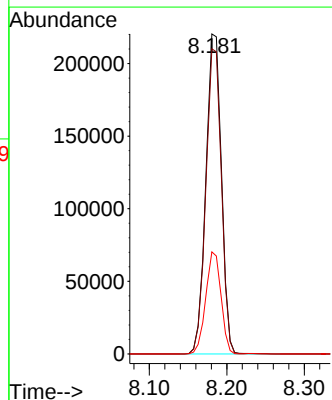
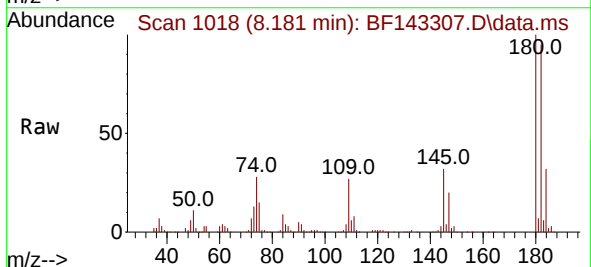
Instrument :
BNA_F
ClientSampleId :
PB169095BS

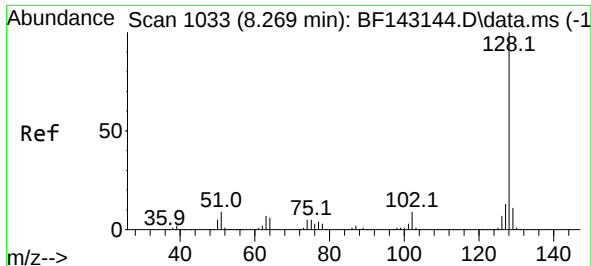
Tgt Ion:162 Resp: 285450
Ion Ratio Lower Upper
162 100
164 64.0 44.2 84.2
98 38.8 17.9 57.9



#30
1,2,4-Trichlorobenzene
Concen: 44.598 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:180 Resp: 307473
Ion Ratio Lower Upper
180 100
182 95.4 76.2 114.2
145 31.9 25.0 37.6

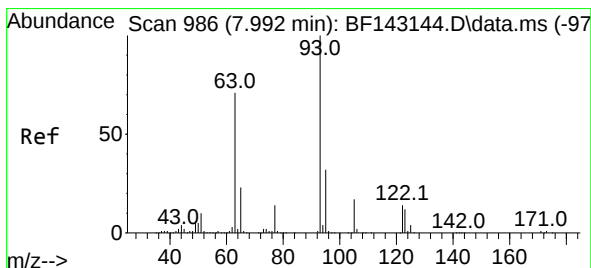
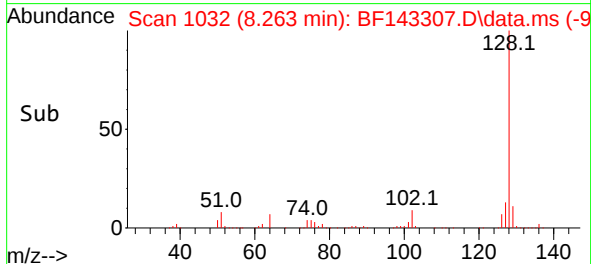
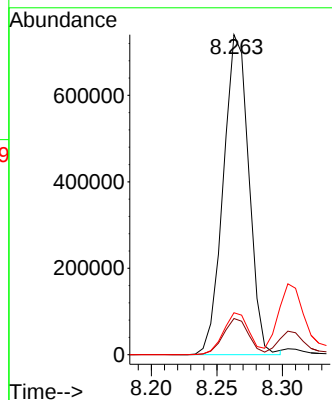
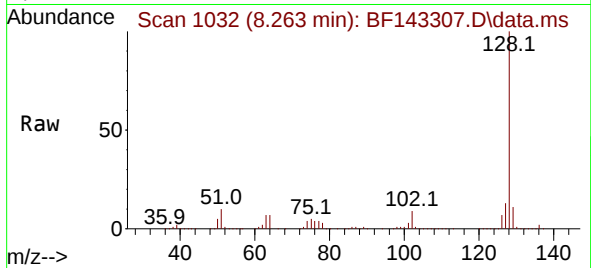




#31
Naphthalene
Concen: 44.466 ng
RT: 8.263 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

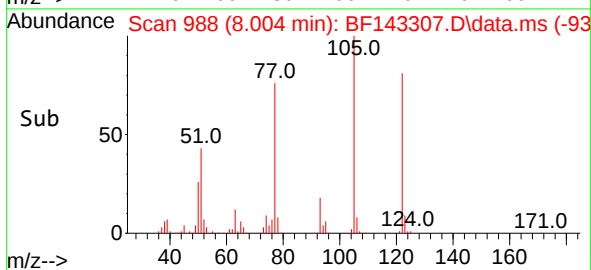
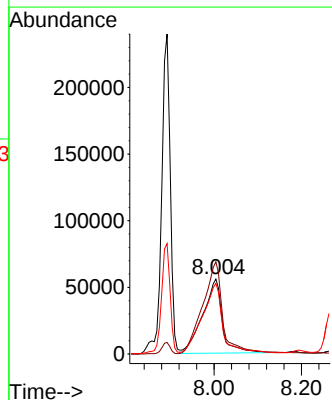
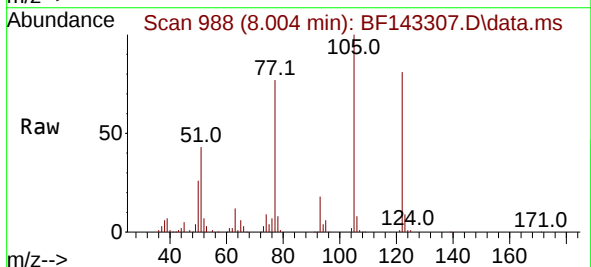
Instrument :
BNA_F
ClientSampleId :
PB169095BS

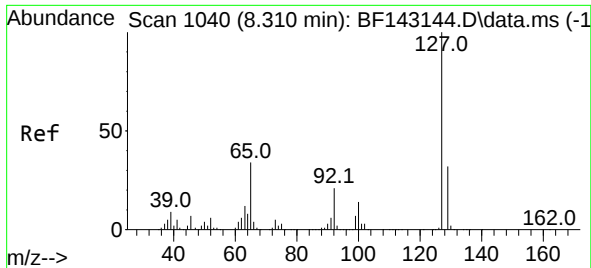
Tgt Ion:128 Resp: 1001515
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.4
127 13.1 10.6 16.0



#32
Benzoic acid
Concen: 41.958 ng
RT: 8.004 min Scan# 988
Delta R.T. 0.012 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:122 Resp: 175738
Ion Ratio Lower Upper
122 100
105 123.1 104.8 144.8
77 94.2 77.6 117.6



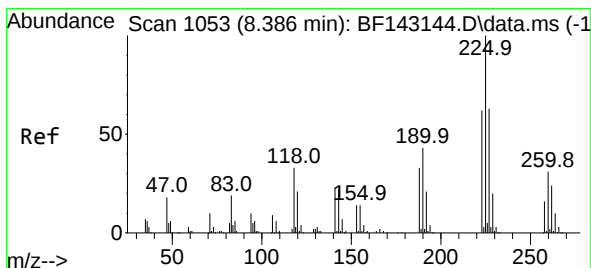
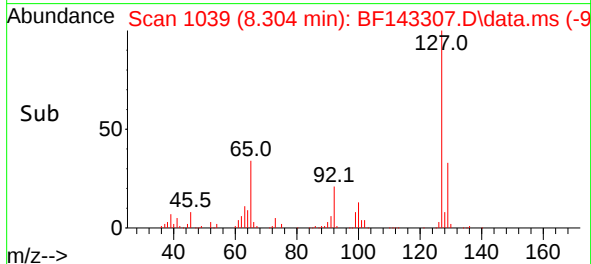
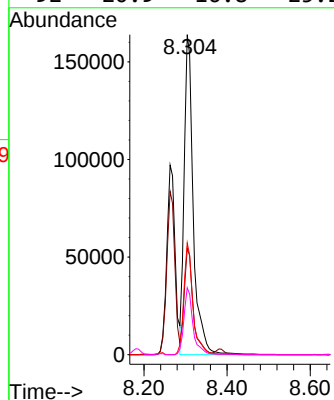
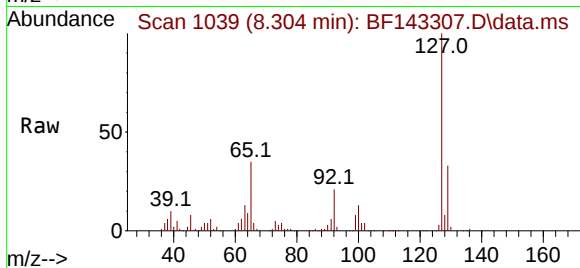


#33
4-Chloroaniline
Concen: 27.369 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion:127 Resp: 251708

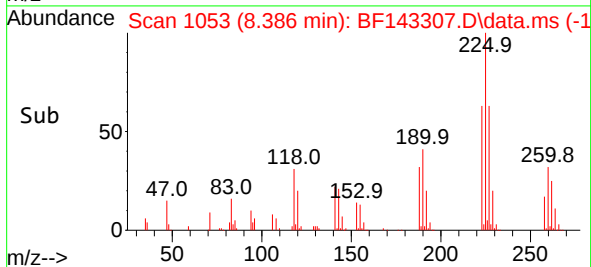
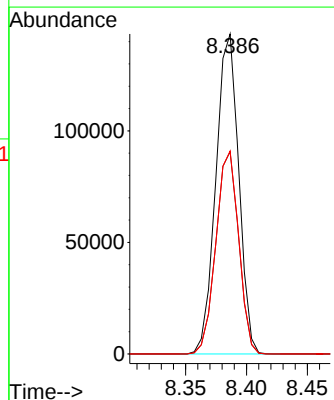
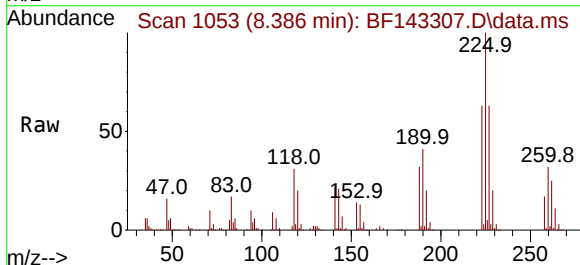
Ion	Ratio	Lower	Upper
127	100		
129	33.2	26.0	39.0
65	35.0	27.4	41.2
92	20.9	16.8	25.2

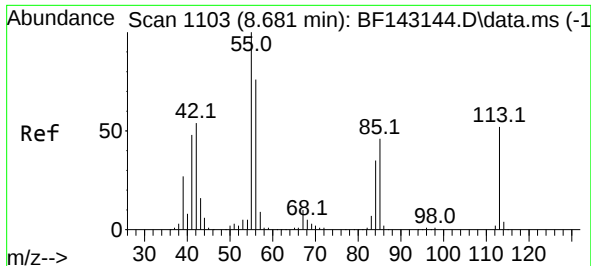


#34
Hexachlorobutadiene
Concen: 44.427 ng
RT: 8.386 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:225 Resp: 187108

Ion	Ratio	Lower	Upper
225	100		
223	63.2	49.8	74.6
227	63.4	50.2	75.4

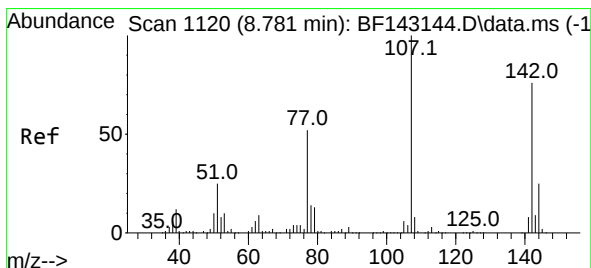
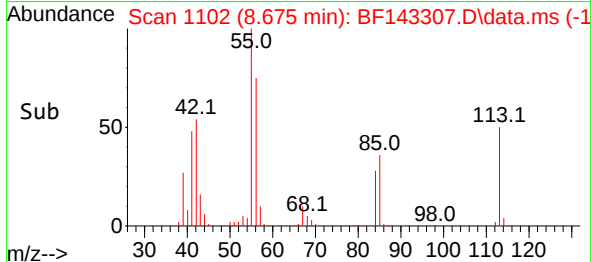
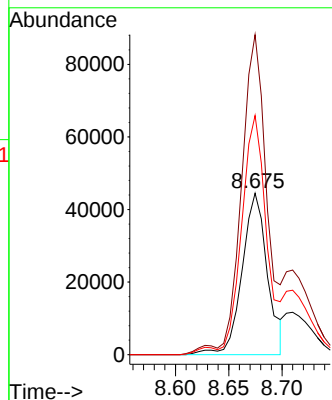
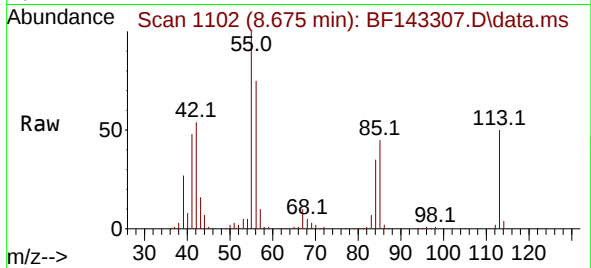




#35
 Caprolactam
 Concen: 38.150 ng
 RT: 8.675 min Scan# 1102
 Delta R.T. -0.006 min
 Lab File: BF143307.D
 Acq: 05 Aug 2025 10:58

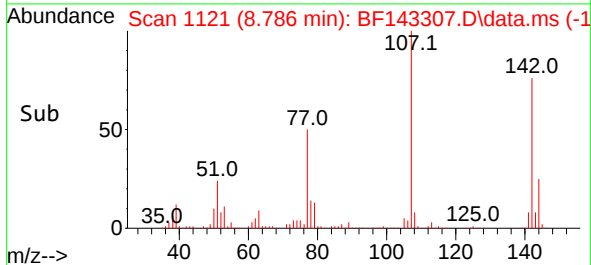
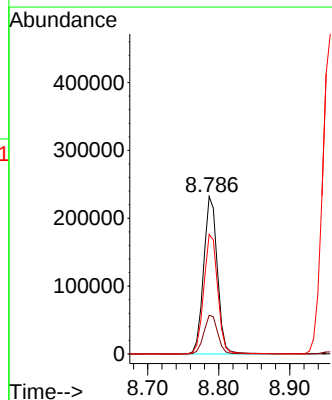
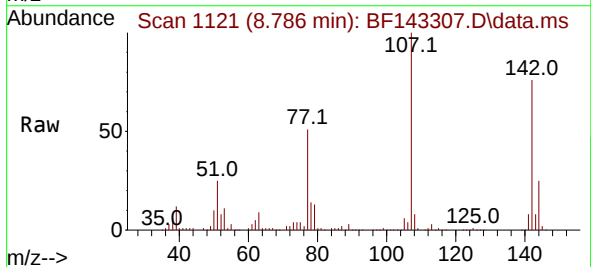
Instrument :
 BNA_F
 ClientSampleId :
 PB169095BS

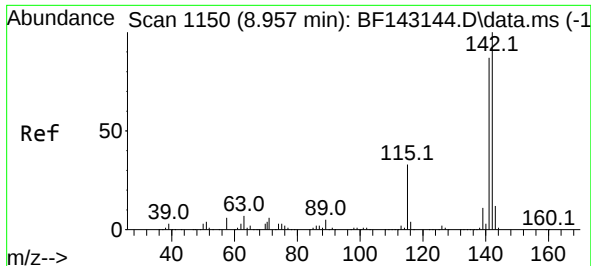
Tgt Ion:113 Resp: 73569
 Ion Ratio Lower Upper
 113 100
 55 198.2 174.0 214.0
 56 148.2 126.6 166.6



#36
 4-Chloro-3-methylphenol
 Concen: 45.193 ng
 RT: 8.786 min Scan# 1121
 Delta R.T. 0.006 min
 Lab File: BF143307.D
 Acq: 05 Aug 2025 10:58

Tgt Ion:107 Resp: 313467
 Ion Ratio Lower Upper
 107 100
 144 24.6 19.8 29.6
 142 76.0 60.6 90.8





#37

2-Methylnaphthalene

Concen: 44.851 ng

RT: 8.957 min Scan# 1150

Delta R.T. 0.000 min

Lab File: BF143307.D

Acq: 05 Aug 2025 10:58

Instrument :

BNA_F

ClientSampleId :

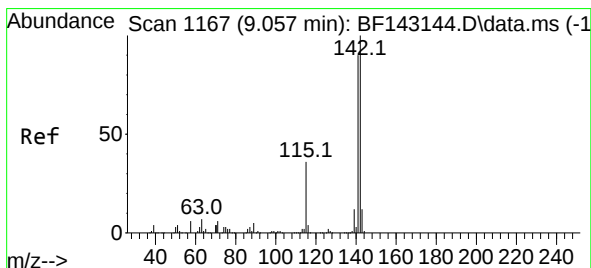
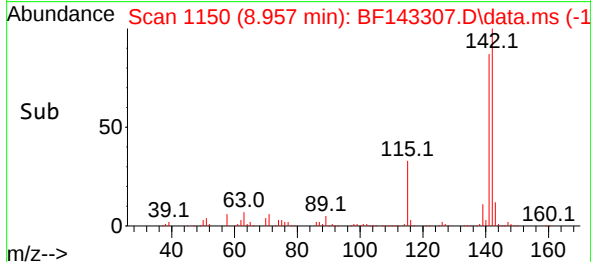
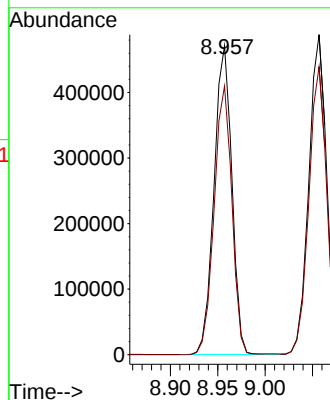
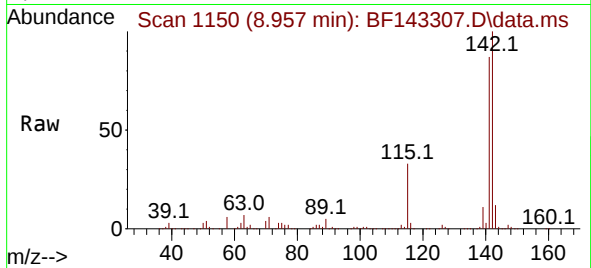
PB169095BS

Tgt Ion:142 Resp: 614719

Ion Ratio Lower Upper

142 100

141 86.9 69.9 104.9



#38

1-Methylnaphthalene

Concen: 44.956 ng

RT: 9.057 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF143307.D

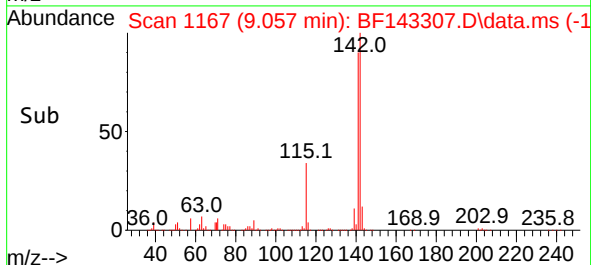
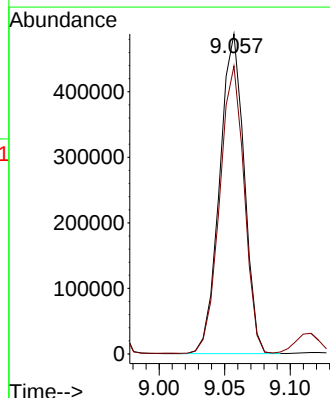
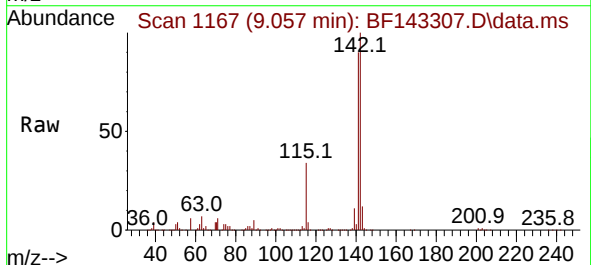
Acq: 05 Aug 2025 10:58

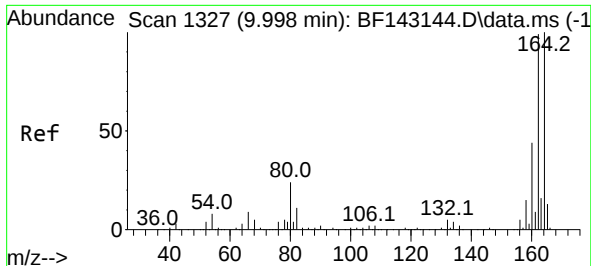
Tgt Ion:142 Resp: 634487

Ion Ratio Lower Upper

142 100

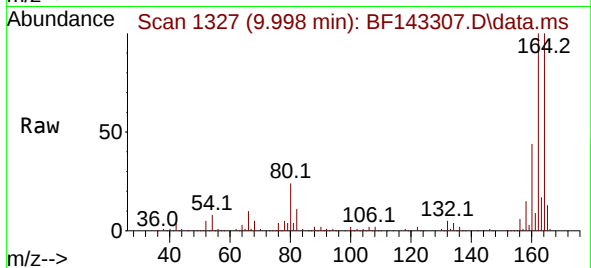
141 90.0 72.3 108.5



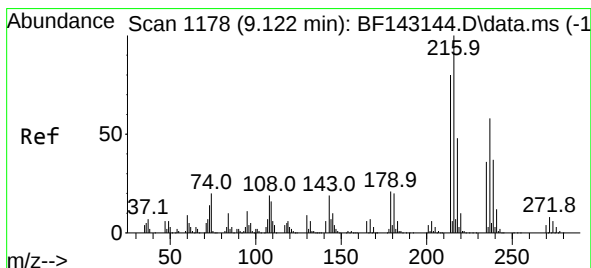
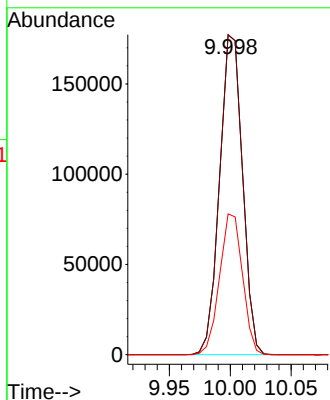
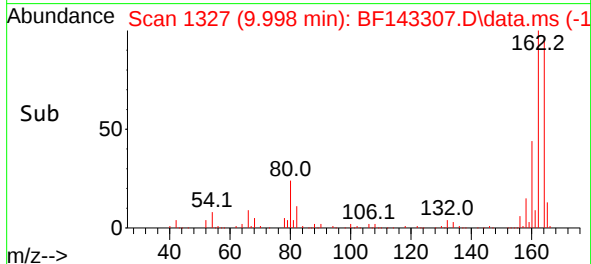


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

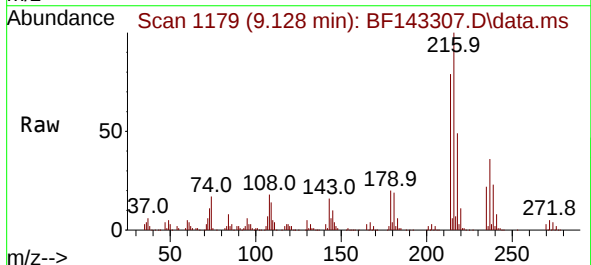
Instrument :
BNA_F
ClientSampleId :
PB169095BS



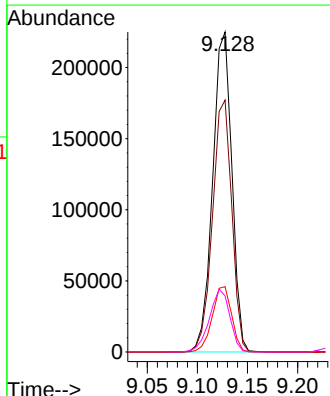
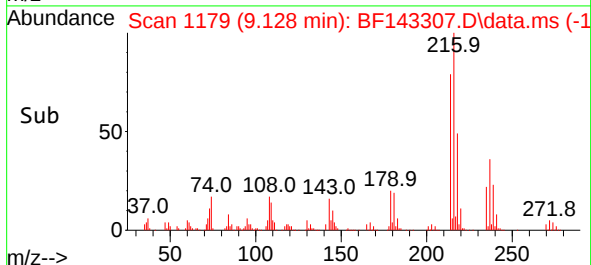
Tgt Ion:164 Resp: 232356
Ion Ratio Lower Upper
164 100
162 100.1 79.0 118.6
160 44.0 35.1 52.7

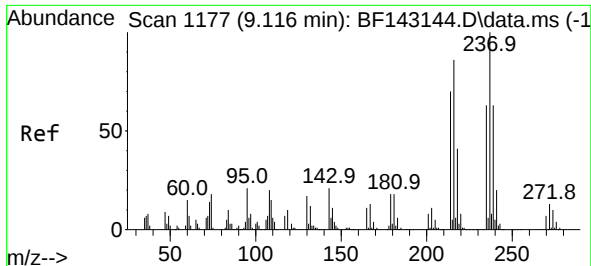


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.564 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58



Tgt Ion:216 Resp: 298949
Ion Ratio Lower Upper
216 100
214 79.1 63.8 95.8
179 20.6 16.4 24.6
108 20.9 15.6 23.4

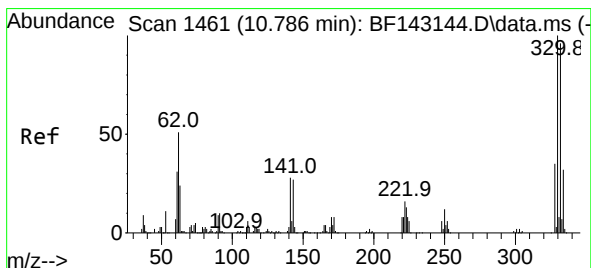
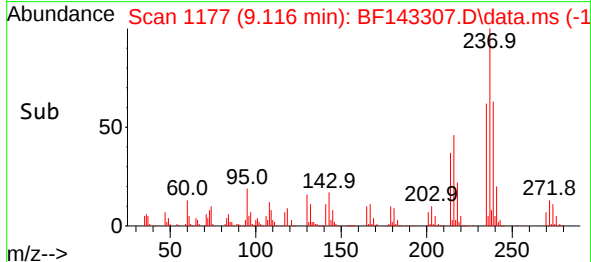
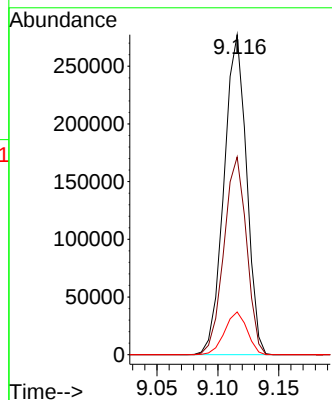
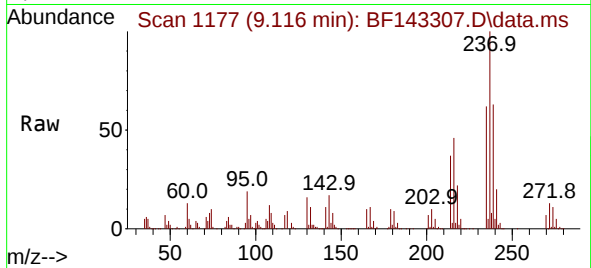




#41
Hexachlorocyclopentadiene
Concen: 81.804 ng
RT: 9.116 min Scan# 1177
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

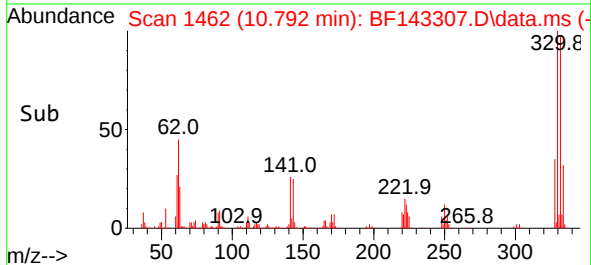
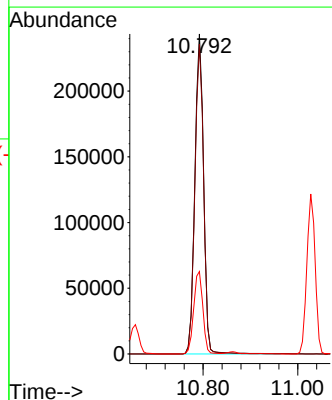
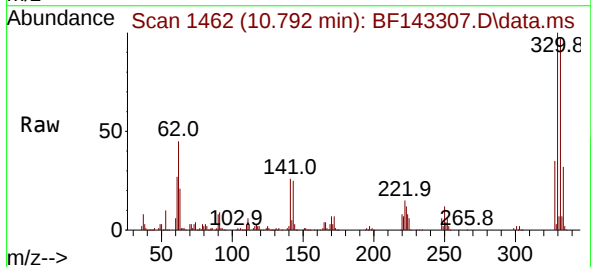
Instrument :
BNA_F
ClientSampleId :
PB169095BS

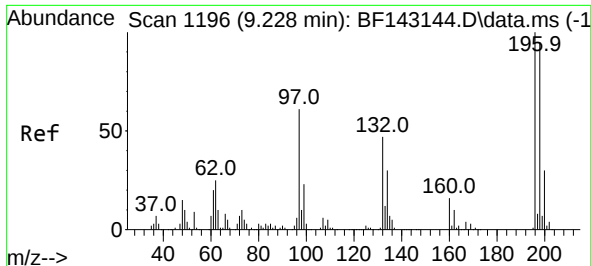
Tgt Ion:237 Resp: 357071
Ion Ratio Lower Upper
237 100
235 61.8 43.0 83.0
272 13.4 0.0 33.3



#42
2,4,6-Tribromophenol
Concen: 129.660 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:330 Resp: 311231
Ion Ratio Lower Upper
330 100
332 97.2 76.7 115.1
141 26.9 23.3 34.9

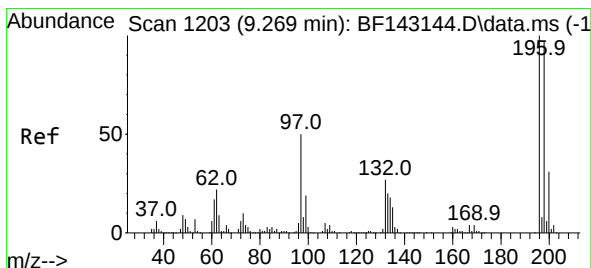
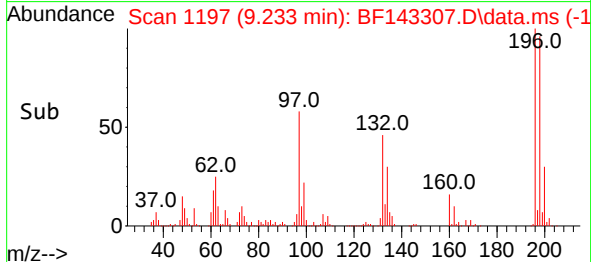
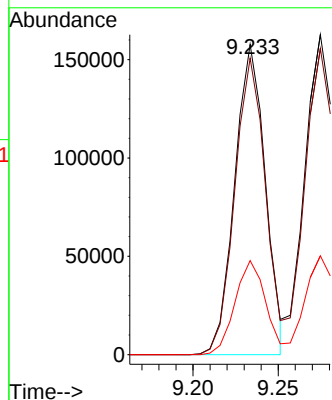
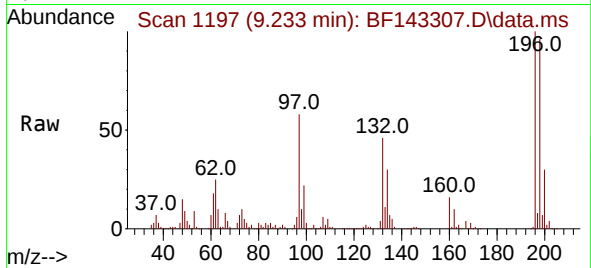




#43
2,4,6-Trichlorophenol
Concen: 42.421 ng
RT: 9.233 min Scan# 1196
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

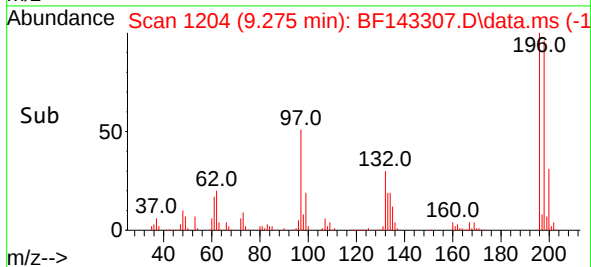
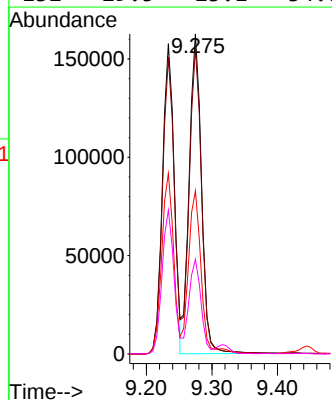
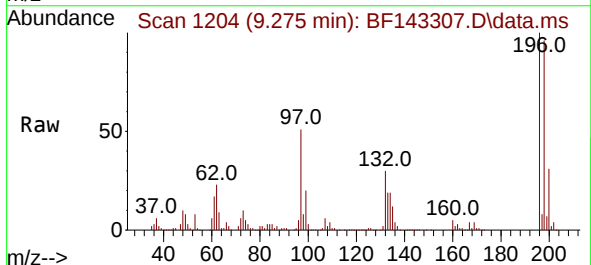
Instrument :
BNA_F
ClientSampleId :
PB169095BS

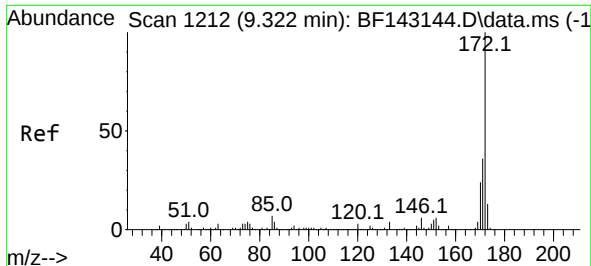
Tgt Ion:196 Resp: 196949
Ion Ratio Lower Upper
196 100
198 95.5 76.2 114.2
200 30.3 23.9 35.9



#44
2,4,5-Trichlorophenol
Concen: 45.607 ng
RT: 9.275 min Scan# 1204
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:196 Resp: 211805
Ion Ratio Lower Upper
196 100
198 95.7 77.3 115.9
97 50.9 40.3 60.5
132 29.5 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 79.409 ng

RT: 9.316 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143307.D

Acq: 05 Aug 2025 10:58

Instrument :

BNA_F

ClientSampleId :

PB169095BS

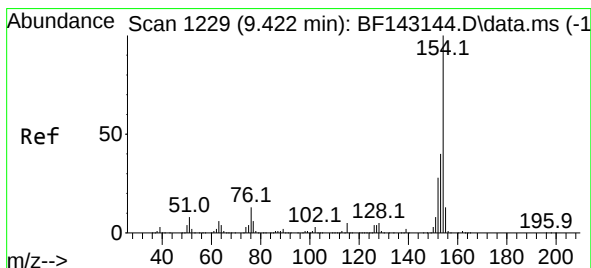
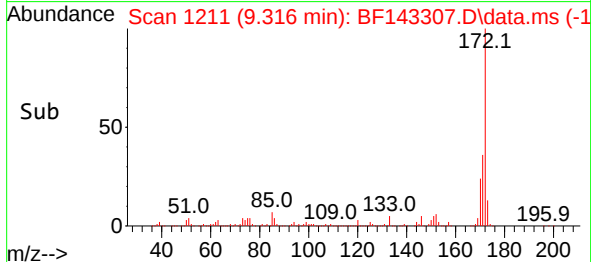
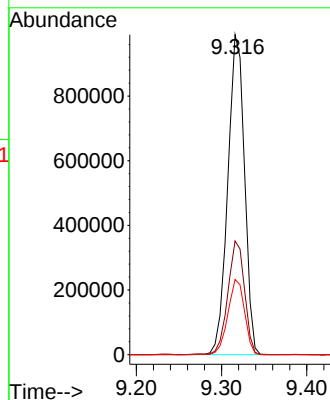
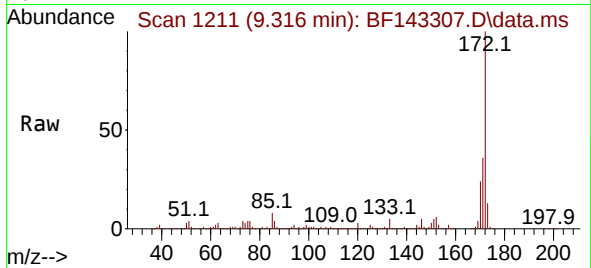
Tgt Ion:172 Resp: 1349144

Ion Ratio Lower Upper

172 100

171 35.6 28.6 42.8

170 23.5 18.8 28.2



#46

1,1'-Biphenyl

Concen: 44.790 ng

RT: 9.422 min Scan# 1229

Delta R.T. 0.000 min

Lab File: BF143307.D

Acq: 05 Aug 2025 10:58

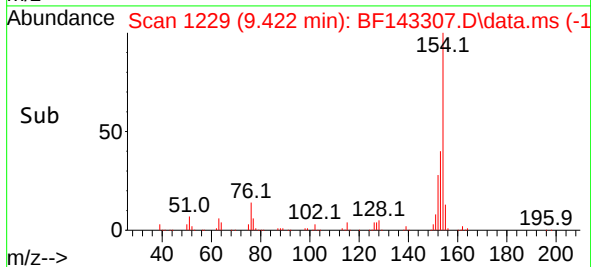
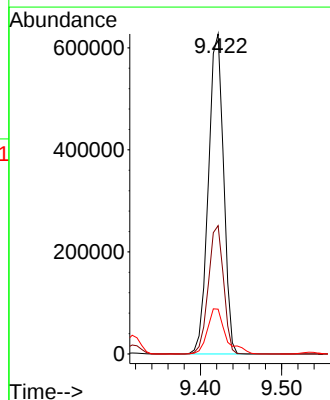
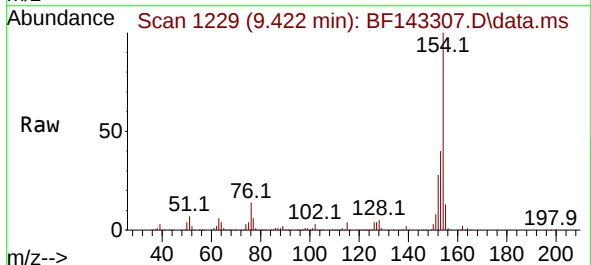
Tgt Ion:154 Resp: 811976

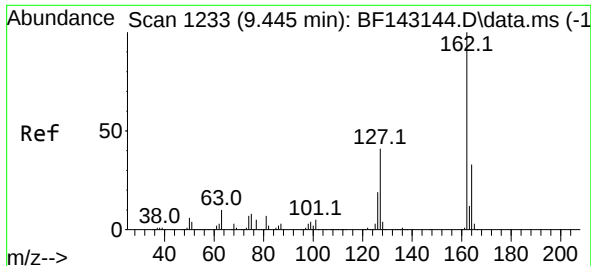
Ion Ratio Lower Upper

154 100

153 40.1 20.3 60.3

76 14.0 0.0 33.3





#47

2-Chloronaphthalene

Concen: 44.954 ng

RT: 9.445 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143307.D

Acq: 05 Aug 2025 10:58

Instrument :

BNA_F

ClientSampleId :

PB169095BS

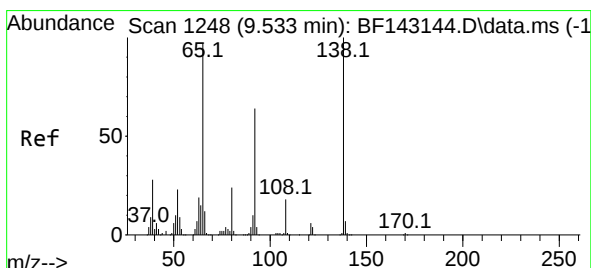
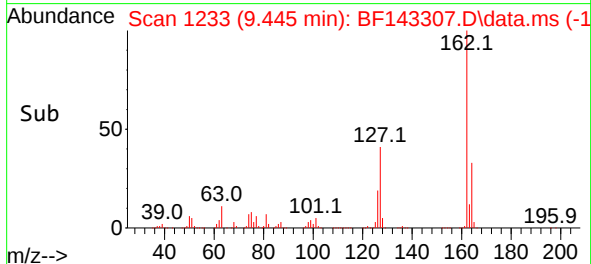
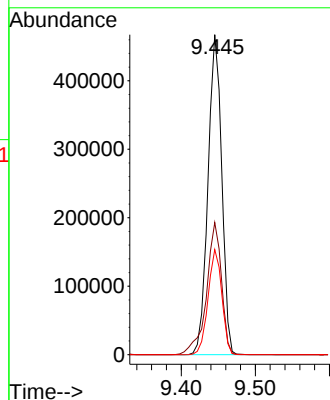
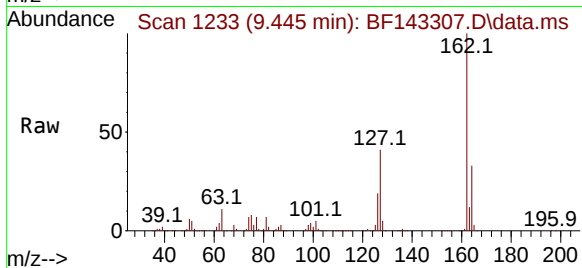
Tgt Ion:162 Resp: 602995

Ion Ratio Lower Upper

162 100

127 41.3 33.4 50.2

164 32.8 26.2 39.2



#48

2-Nitroaniline

Concen: 48.487 ng

RT: 9.533 min Scan# 1248

Delta R.T. 0.000 min

Lab File: BF143307.D

Acq: 05 Aug 2025 10:58

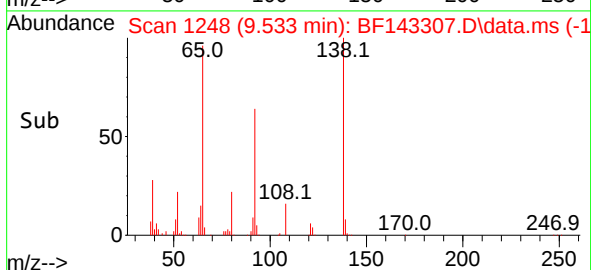
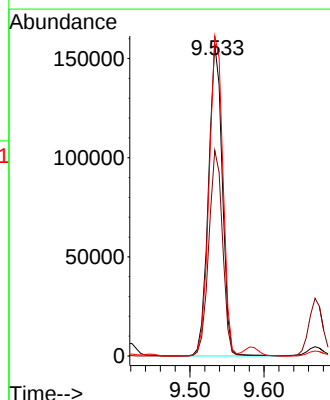
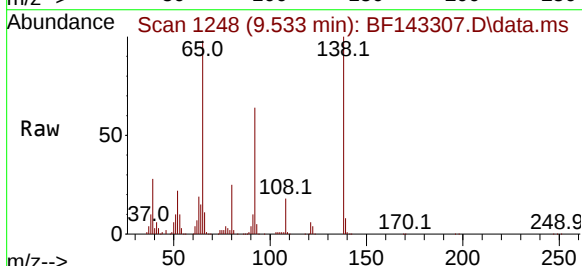
Tgt Ion: 65 Resp: 203961

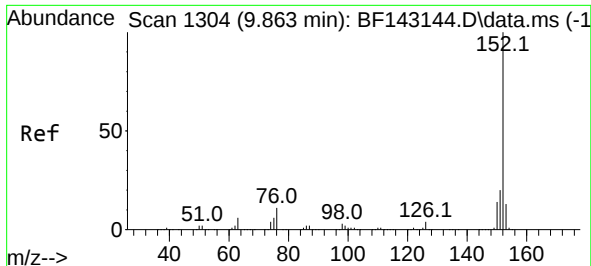
Ion Ratio Lower Upper

65 100

92 65.9 52.4 78.6

138 102.5 82.3 123.5





#49

Acenaphthylene

Concen: 45.215 ng

RT: 9.863 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143307.D

Acq: 05 Aug 2025 10:58

Instrument :

BNA_F

ClientSampleId :

PB169095BS

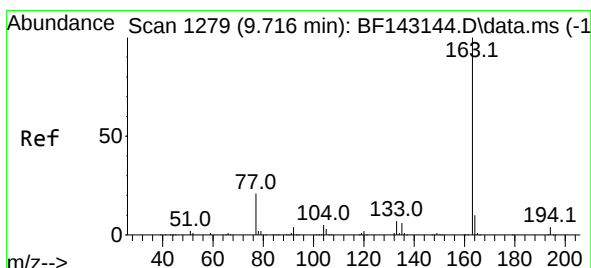
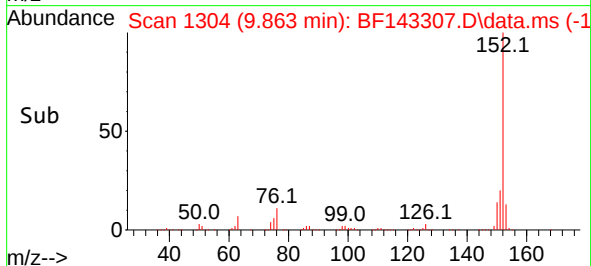
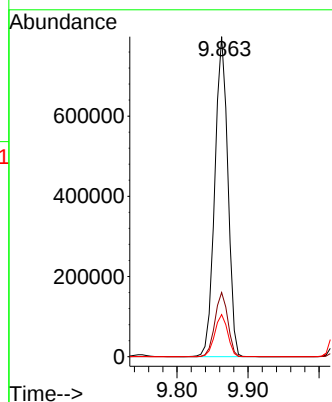
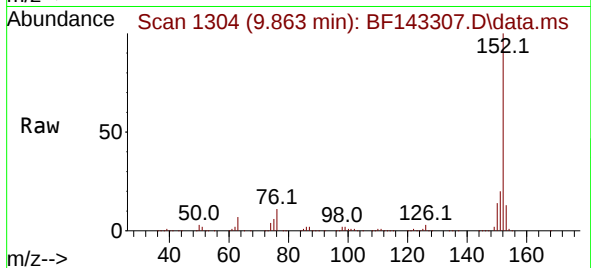
Tgt Ion:152 Resp: 1016395

Ion Ratio Lower Upper

152 100

151 20.0 16.2 24.2

153 13.1 10.6 16.0



#50

Dimethylphthalate

Concen: 45.759 ng

RT: 9.716 min Scan# 1279

Delta R.T. 0.000 min

Lab File: BF143307.D

Acq: 05 Aug 2025 10:58

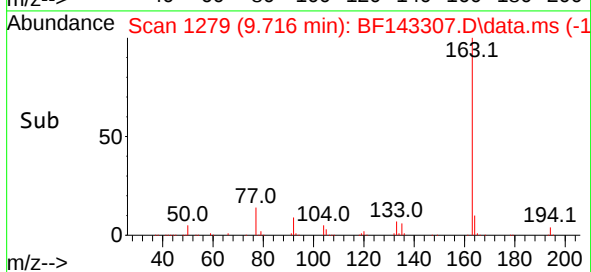
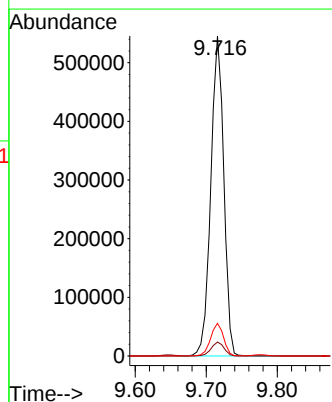
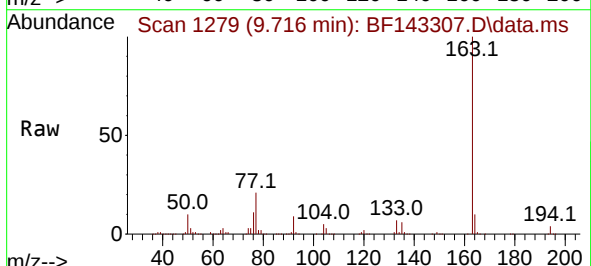
Tgt Ion:163 Resp: 693056

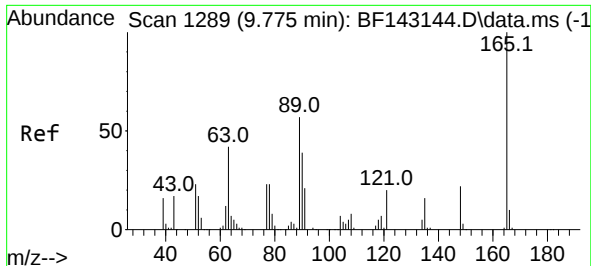
Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

164 10.2 8.3 12.5

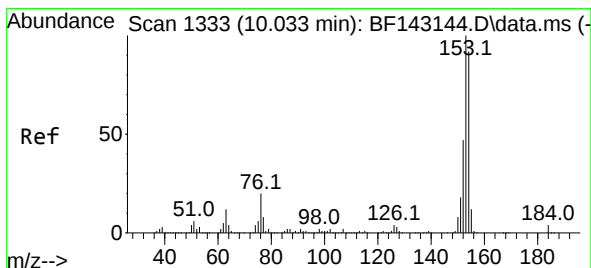
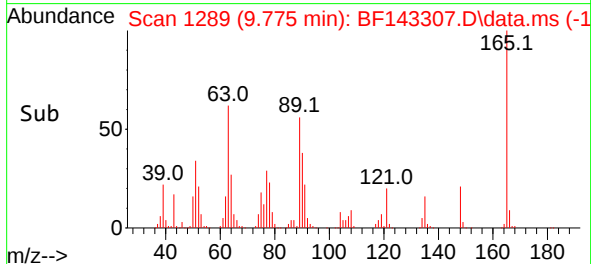
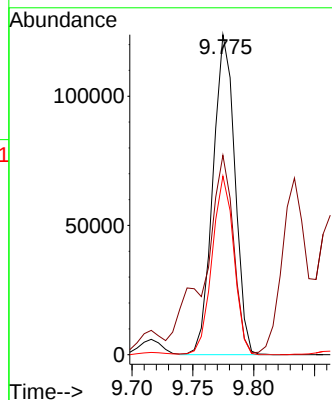
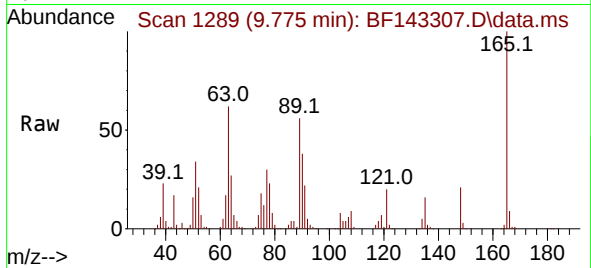




#51
2,6-Dinitrotoluene
Concen: 50.325 ng
RT: 9.775 min Scan# 1289
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

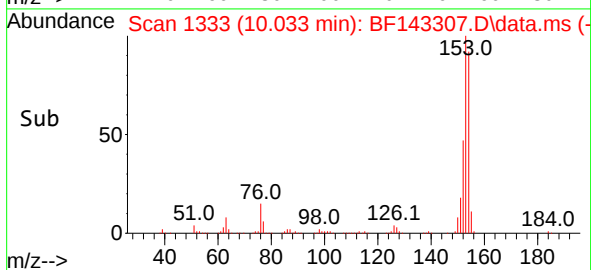
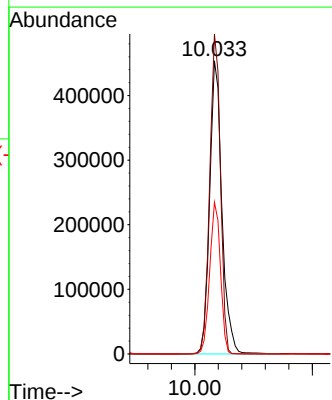
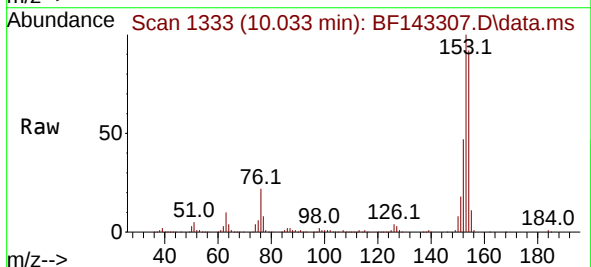
Instrument :
BNA_F
ClientSampleId :
PB169095BS

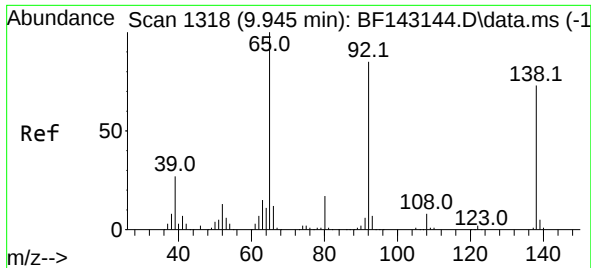
Tgt Ion:165 Resp: 155053
Ion Ratio Lower Upper
165 100
63 62.3 49.4 74.2
89 55.8 46.2 69.2



#52
Acenaphthene
Concen: 49.525 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:154 Resp: 658002
Ion Ratio Lower Upper
154 100
153 109.2 86.6 129.8
152 51.8 40.4 60.6

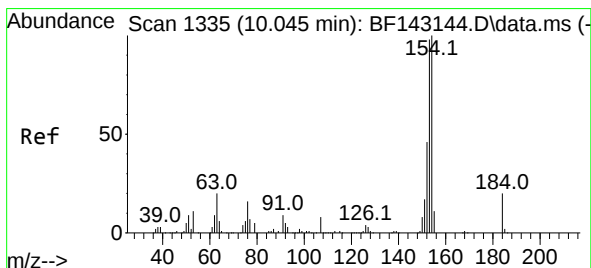
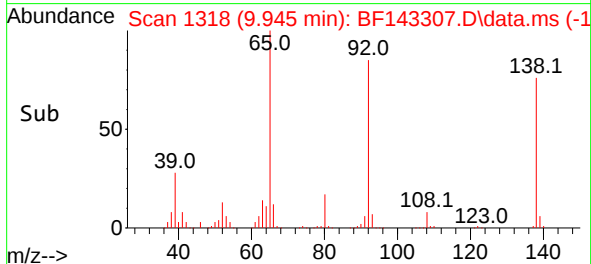
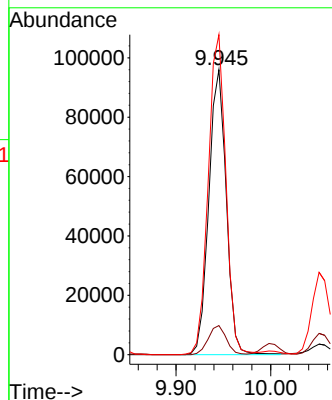
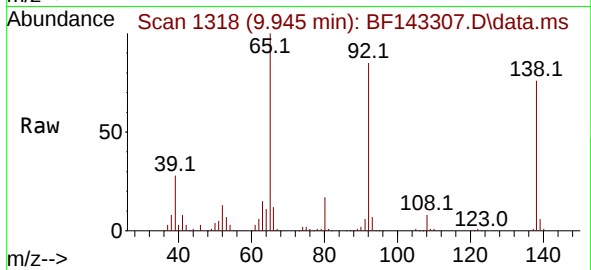




#53
3-Nitroaniline
Concen: 34.073 ng
RT: 9.945 min Scan# 1318
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

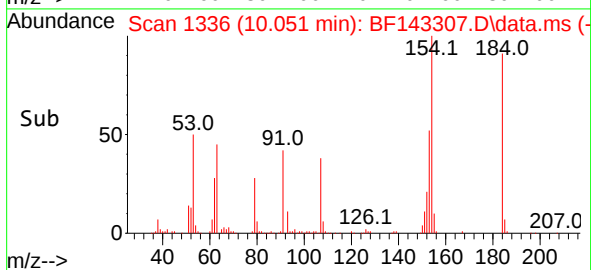
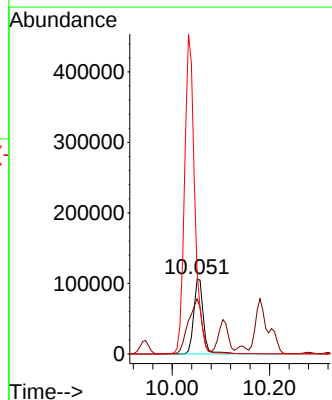
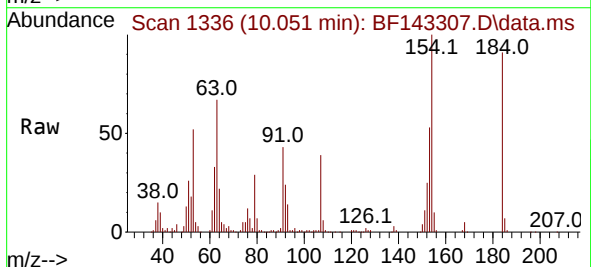
Instrument :
BNA_F
ClientSampleId :
PB169095BS

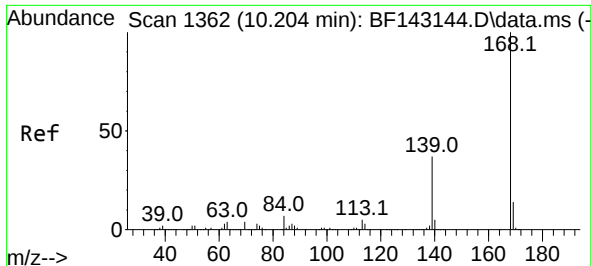
Tgt Ion:138 Resp: 122794
Ion Ratio Lower Upper
138 100
108 10.2 9.0 13.6
92 112.3 93.0 139.4



#54
2,4-Dinitrophenol
Concen: 103.867 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:184 Resp: 148070
Ion Ratio Lower Upper
184 100
63 73.6 81.8 122.6#
154 109.7 412.2 618.4#

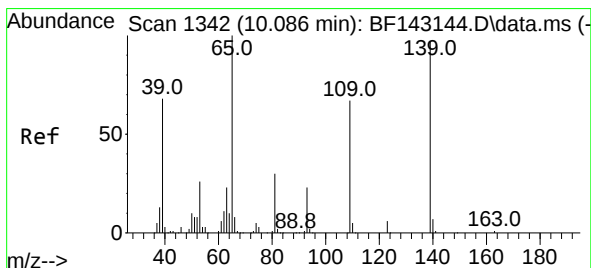
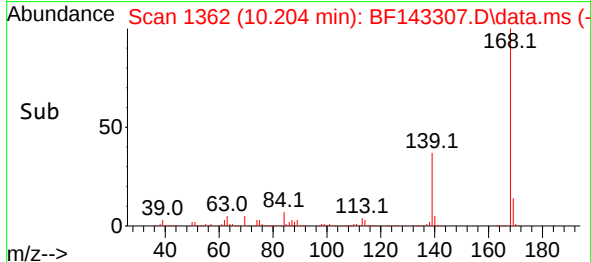
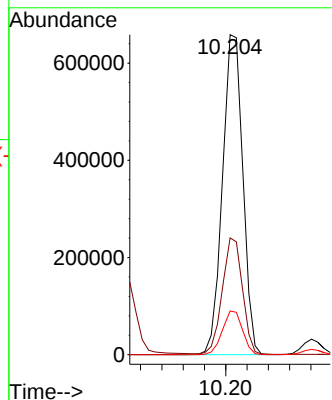
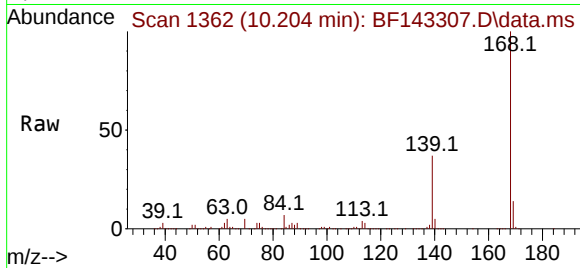




#55
Dibenzenofuran
Concen: 44.203 ng
RT: 10.204 min Scan# 1362
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

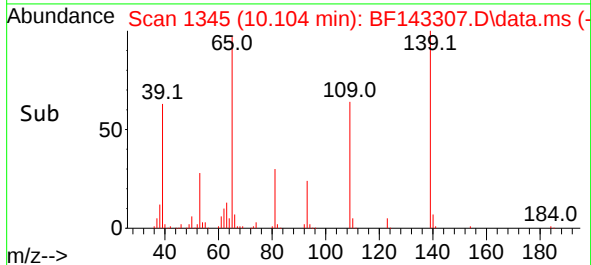
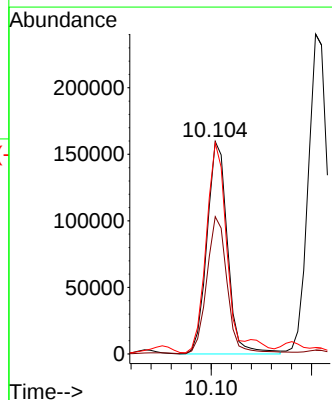
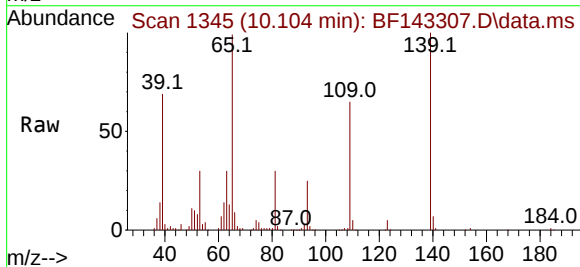
Instrument :
BNA_F
ClientSampleId :
PB169095BS

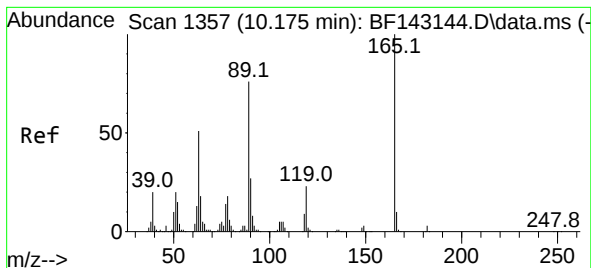
Tgt Ion:168 Resp: 871941
Ion Ratio Lower Upper
168 100
139 36.5 29.5 44.3
169 13.6 10.9 16.3



#56
4-Nitrophenol
Concen: 84.247 ng
RT: 10.104 min Scan# 1345
Delta R.T. 0.018 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

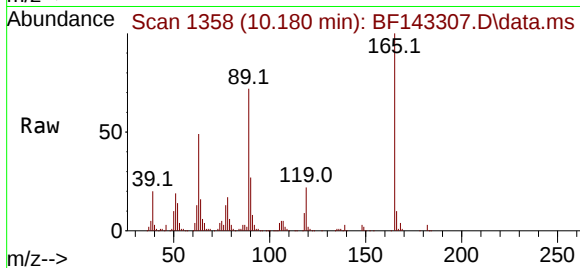
Tgt Ion:139 Resp: 226718
Ion Ratio Lower Upper
139 100
109 64.6 48.5 88.5
65 99.4 83.4 123.4



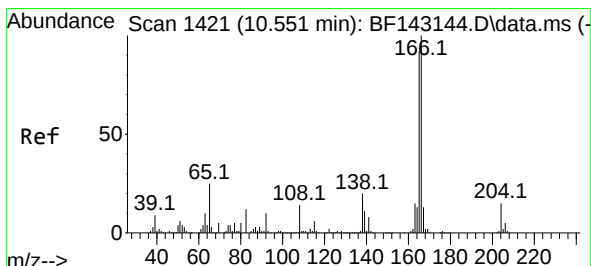
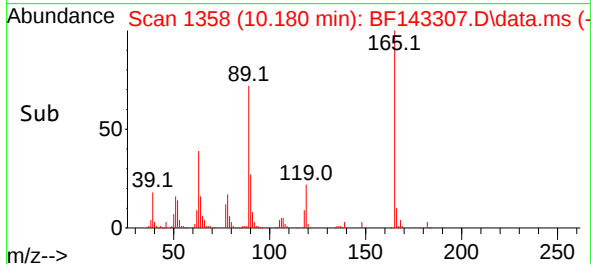
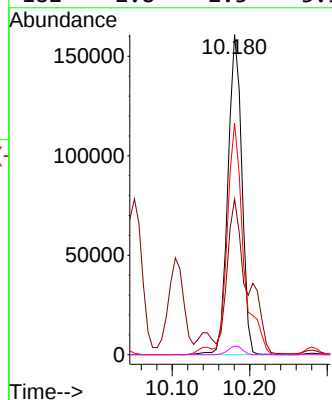


#57
2,4-Dinitrotoluene
Concen: 51.988 ng
RT: 10.180 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

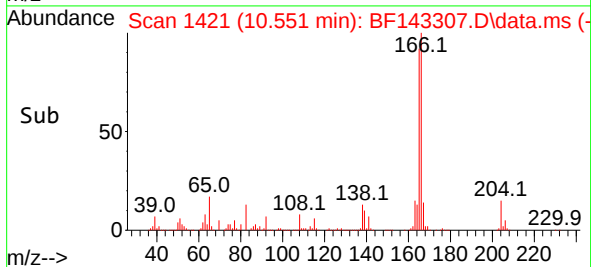
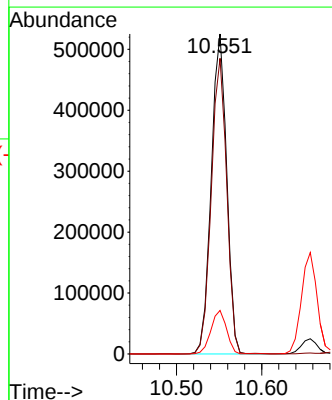
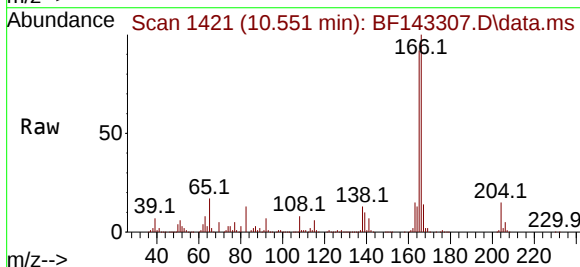


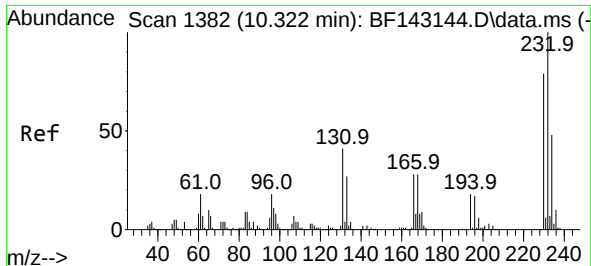
Tgt Ion:	165	Resp:	200962
Ion	Ratio	Lower	Upper
165	100		
63	48.7	41.0	61.4
89	72.3	61.1	91.7
182	2.8	2.3	3.5



#58
Fluorene
Concen: 44.616 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:	166	Resp:	660530
Ion	Ratio	Lower	Upper
166	100		
165	92.4	73.7	110.5
167	13.6	10.6	16.0

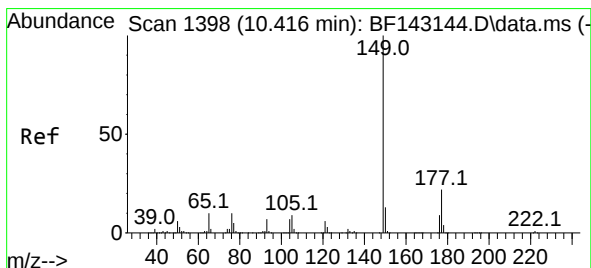
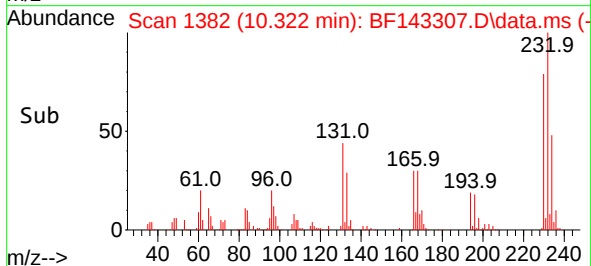
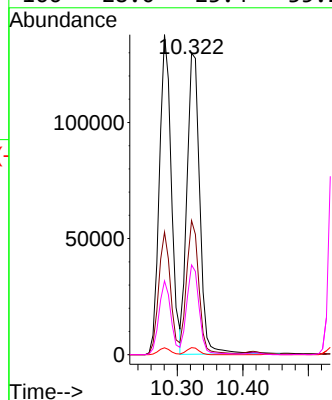
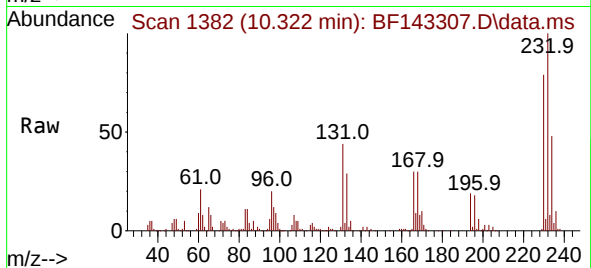




#59
2,3,4,6-Tetrachlorophenol
Concen: 45.315 ng
RT: 10.322 min Scan# 1382
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

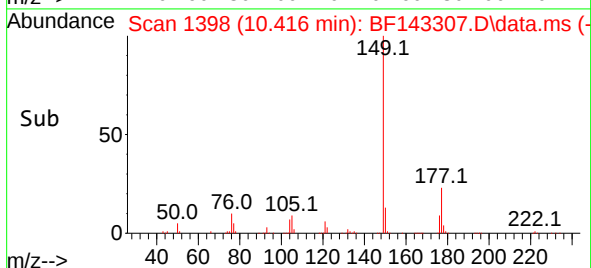
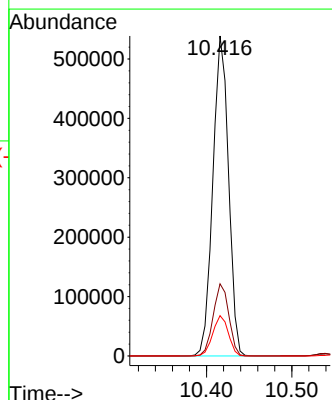
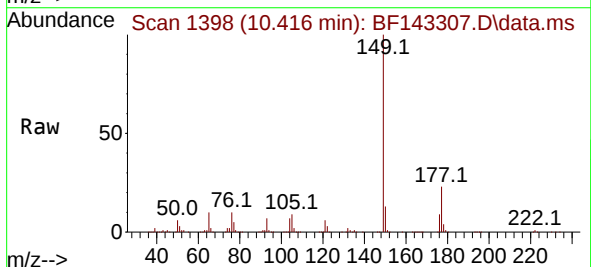
Instrument :
BNA_F
ClientSampleId :
PB169095BS

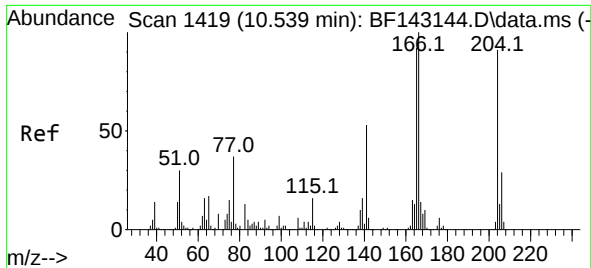
Tgt Ion:232 Resp: 174330
Ion Ratio Lower Upper
232 100
131 42.7 35.3 52.9
130 2.2 1.7 2.5
166 28.0 23.4 35.2



#60
Diethylphthalate
Concen: 46.018 ng
RT: 10.416 min Scan# 1398
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:149 Resp: 688882
Ion Ratio Lower Upper
149 100
177 22.5 17.5 26.3
150 12.6 10.2 15.2

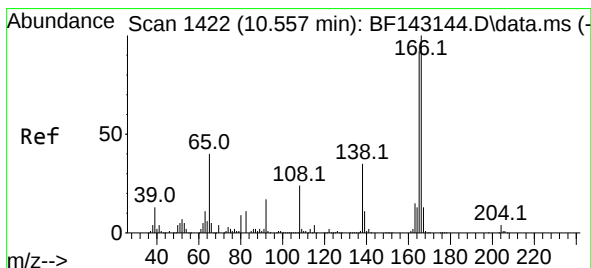
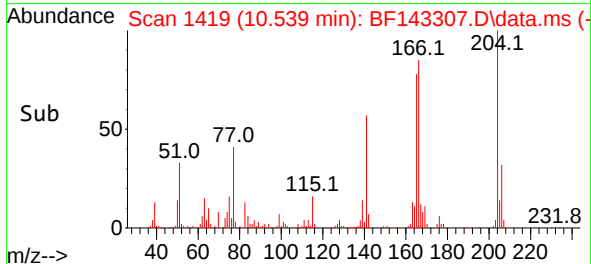
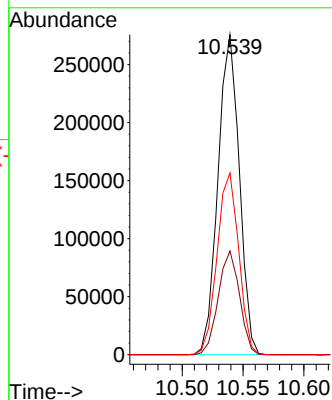
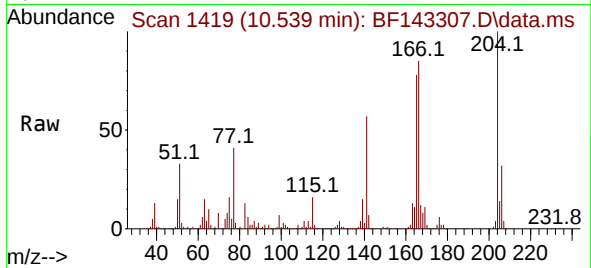




#61
4-Chlorophenyl-phenylether
Concen: 45.675 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

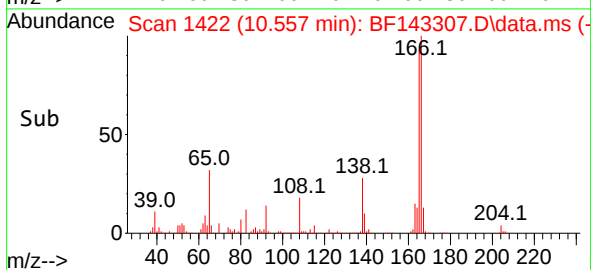
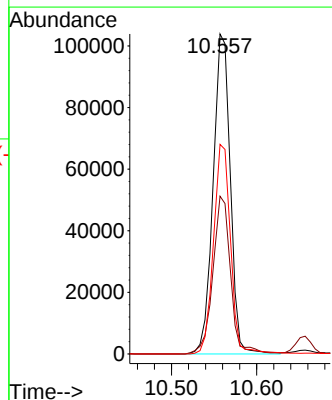
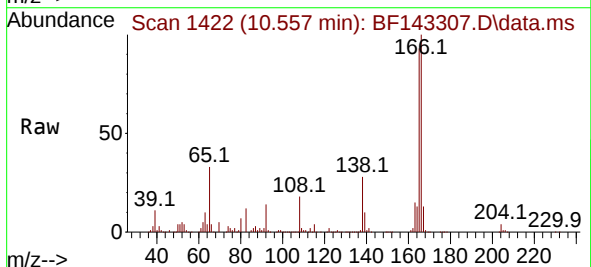
Instrument :
BNA_F
ClientSampleId :
PB169095BS

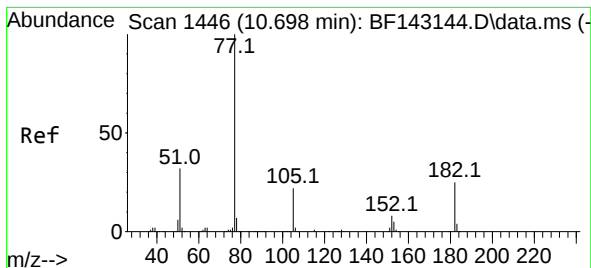
Tgt Ion:204 Resp: 336708
Ion Ratio Lower Upper
204 100
206 32.4 25.8 38.8
141 56.8 47.0 70.4



#62
4-Nitroaniline
Concen: 47.181 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:138 Resp: 145725
Ion Ratio Lower Upper
138 100
92 49.3 29.3 69.3
108 65.5 48.3 88.3





#63

Azobenzene

Concen: 45.484 ng

RT: 10.698 min Scan# 1446

Delta R.T. 0.000 min

Lab File: BF143307.D

Acq: 05 Aug 2025 10:58

Instrument :

BNA_F

ClientSampleId :

PB169095BS

Tgt Ion: 77 Resp: 709639

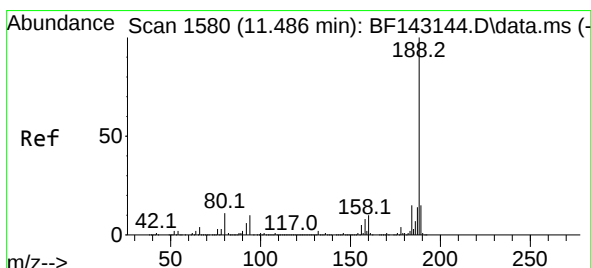
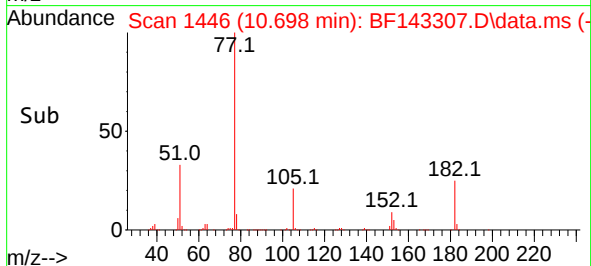
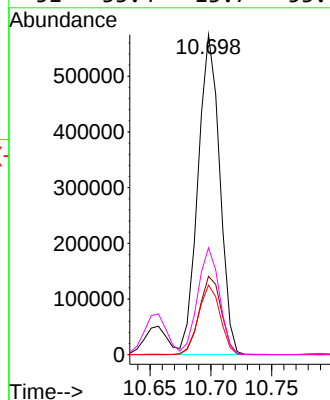
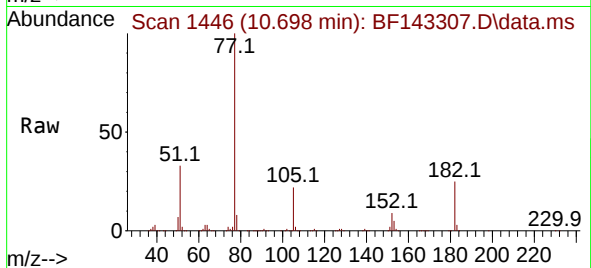
Ion Ratio Lower Upper

77 100

182 24.5 4.6 44.6

105 21.8 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: BF143307.D

Acq: 05 Aug 2025 10:58

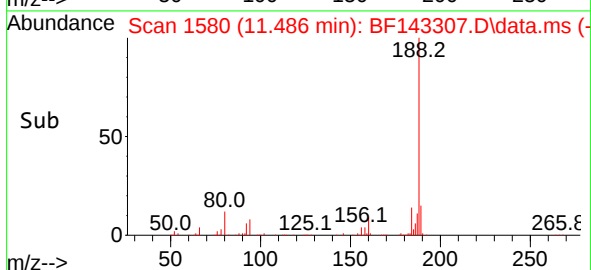
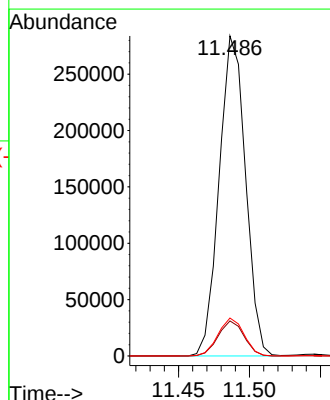
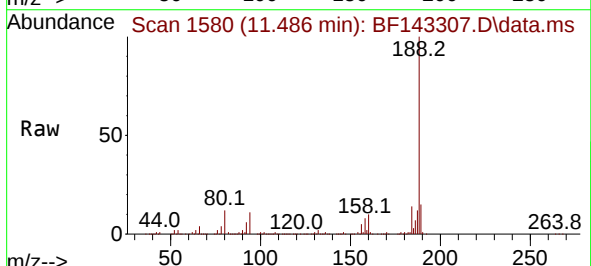
Tgt Ion: 188 Resp: 366236

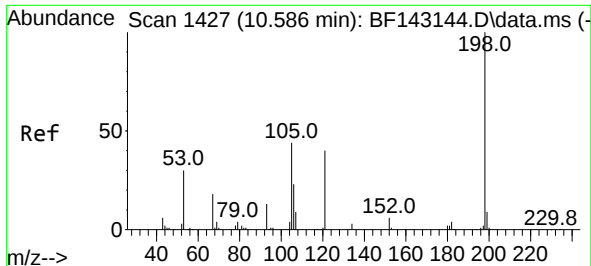
Ion Ratio Lower Upper

188 100

94 11.0 8.3 12.5

80 11.9 9.0 13.6

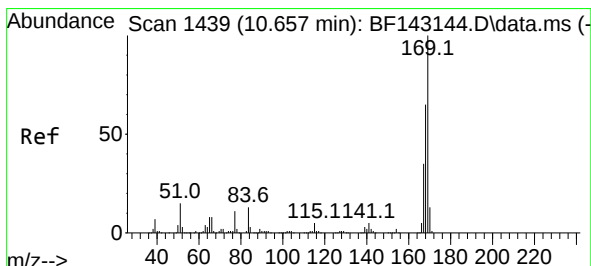
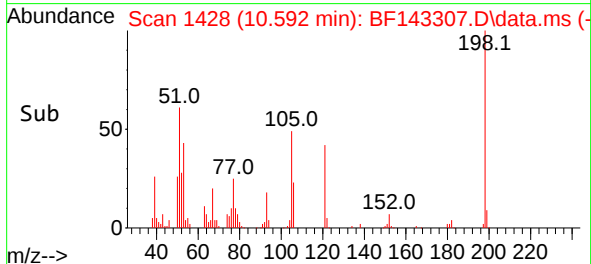
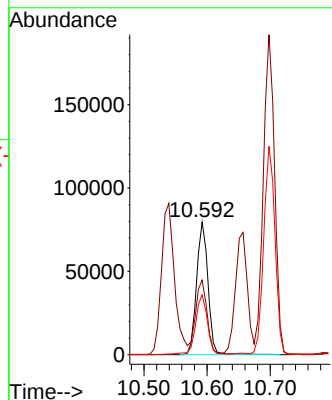
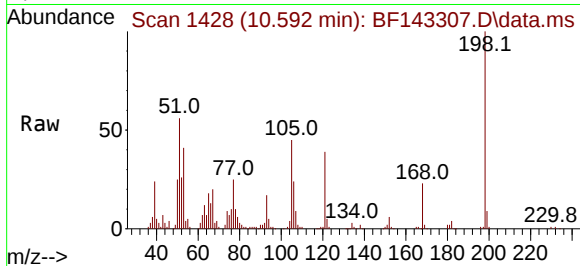




#65
4,6-Dinitro-2-methylphenol
Concen: 51.364 ng
RT: 10.592 min Scan# 1428
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

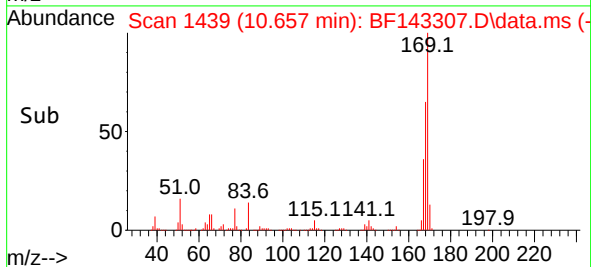
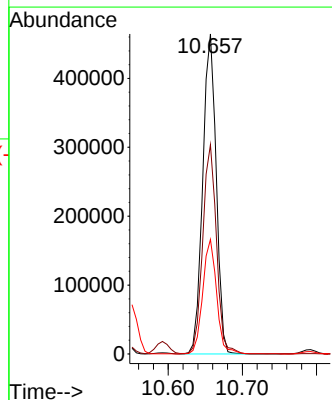
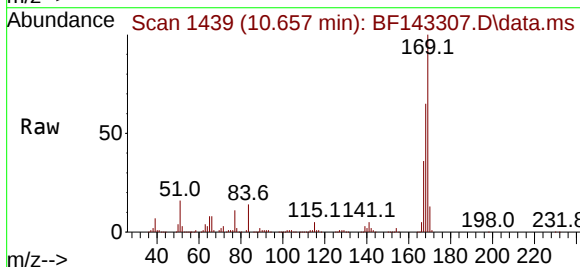
Instrument :
BNA_F
ClientSampleId :
PB169095BS

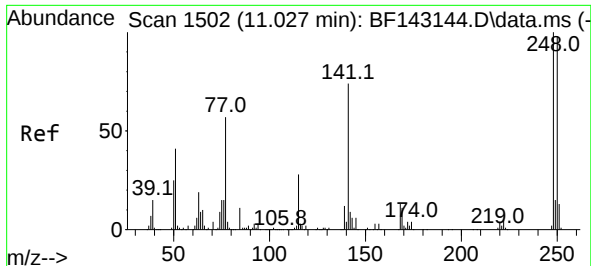
Tgt Ion:198 Resp: 99435
Ion Ratio Lower Upper
198 100
51 56.3 37.2 77.2
105 45.1 24.8 64.8



#66
n-Nitrosodiphenylamine
Concen: 45.635 ng
RT: 10.657 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:169 Resp: 588520
Ion Ratio Lower Upper
169 100
168 65.4 52.1 78.1
167 35.8 28.2 42.2

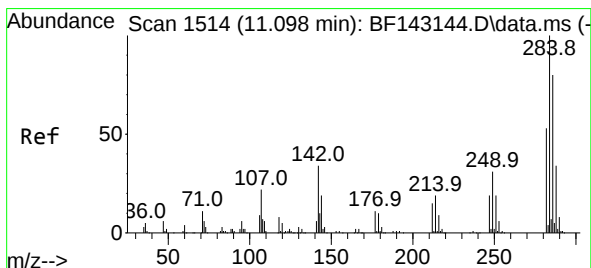
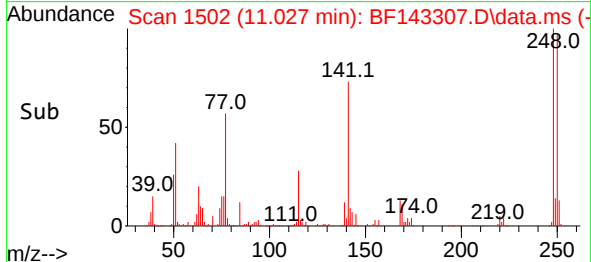
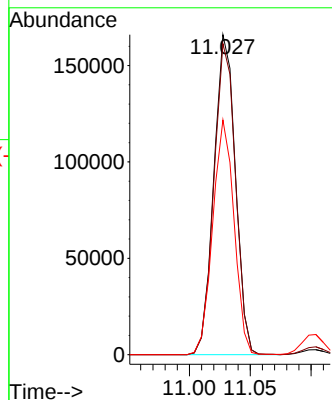
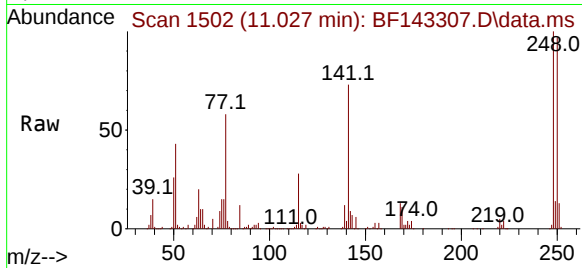




#67
4-Bromophenyl-phenylether
Concen: 46.870 ng
RT: 11.027 min Scan# 1102
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

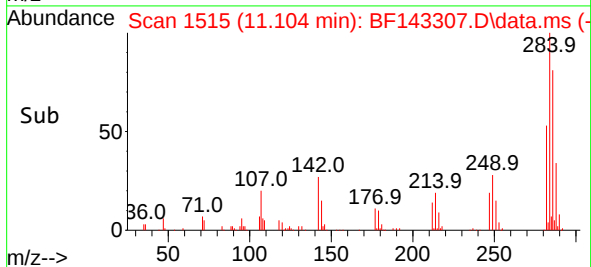
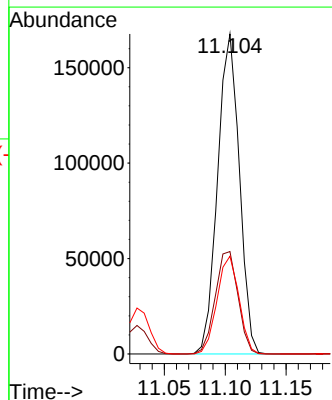
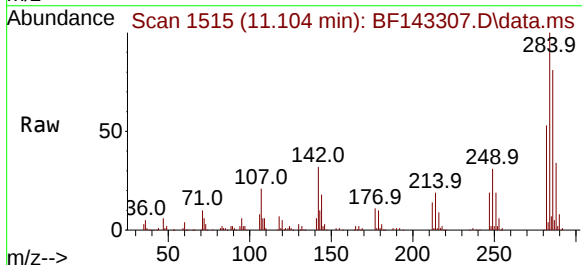
Instrument :
BNA_F
ClientSampleId :
PB169095BS

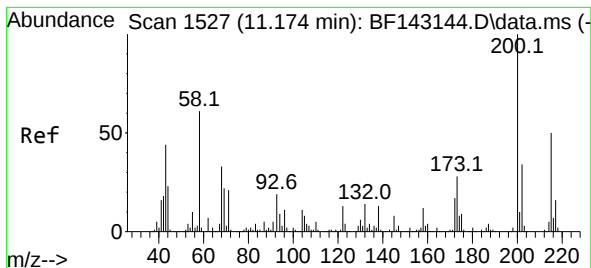
Tgt Ion:248 Resp: 204566
Ion Ratio Lower Upper
248 100
250 97.2 78.3 117.5
141 73.4 59.2 88.8



#68
Hexachlorobenzene
Concen: 45.728 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:284 Resp: 208607
Ion Ratio Lower Upper
284 100
142 32.0 27.0 40.6
249 30.6 25.0 37.6





#69

Atrazine

Concen: 50.150 ng

RT: 11.180 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143307.D

Acq: 05 Aug 2025 10:58

Instrument :

BNA_F

ClientSampleId :

PB169095BS

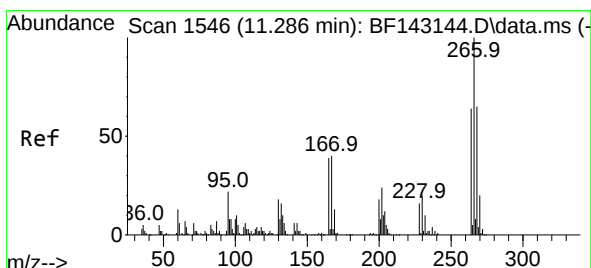
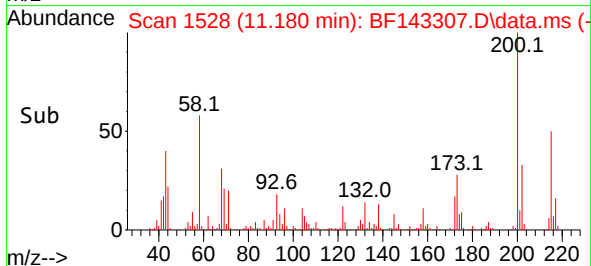
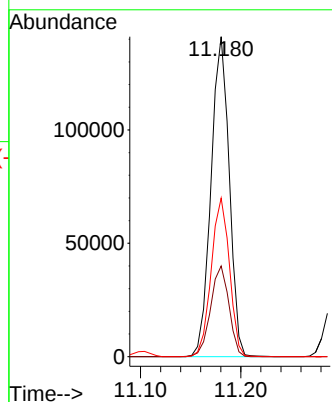
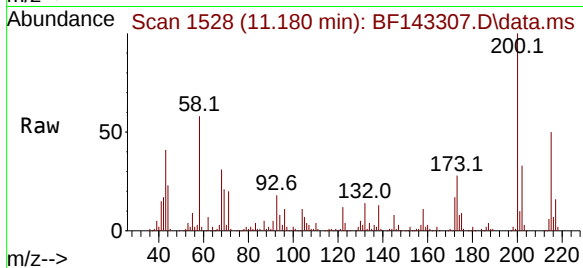
Tgt Ion:200 Resp: 178303

Ion Ratio Lower Upper

200 100

173 28.3 7.9 47.9

215 49.5 30.1 70.1



#70

Pentachlorophenol

Concen: 83.847 ng

RT: 11.292 min Scan# 1547

Delta R.T. 0.006 min

Lab File: BF143307.D

Acq: 05 Aug 2025 10:58

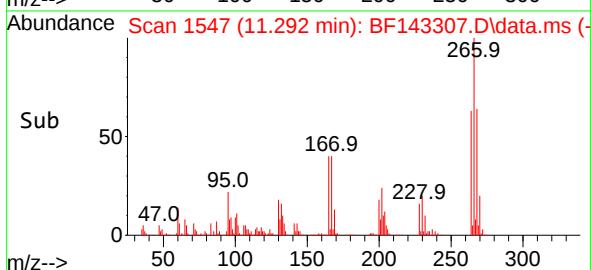
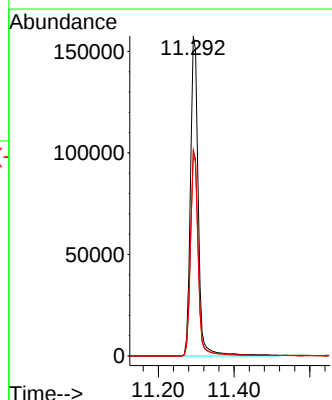
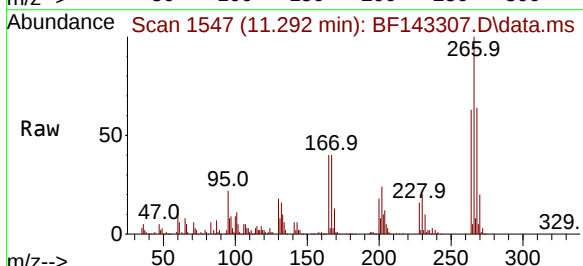
Tgt Ion:266 Resp: 224940

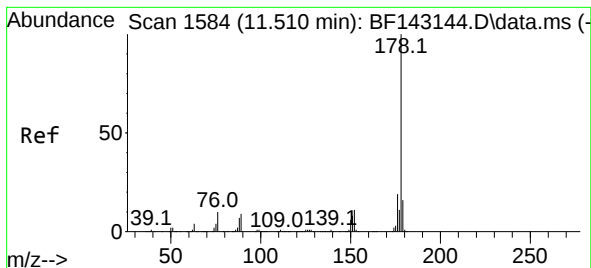
Ion Ratio Lower Upper

266 100

268 64.3 51.9 77.9

264 63.5 51.0 76.6





#71

Phenanthrene

Concen: 45.356 ng

RT: 11.516 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF143307.D

Acq: 05 Aug 2025 10:58

Instrument :

BNA_F

ClientSampleId :

PB169095BS

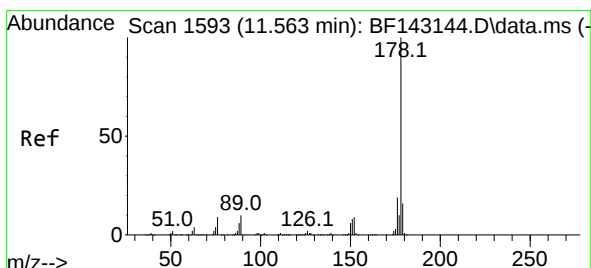
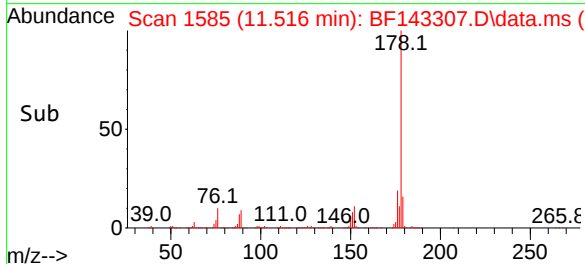
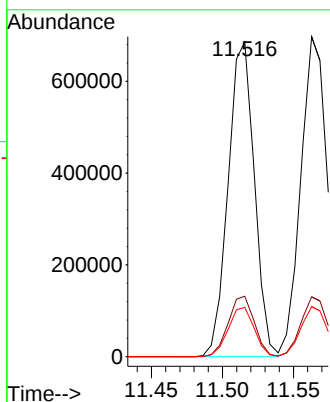
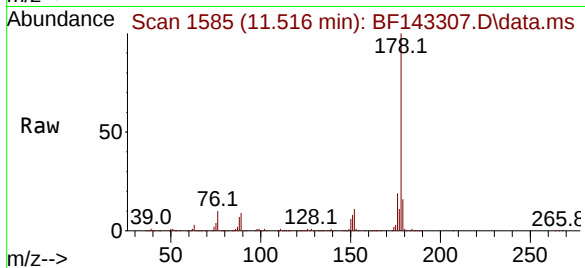
Tgt Ion:178 Resp: 881990

Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

179 15.6 12.5 18.7



#72

Anthracene

Concen: 45.272 ng

RT: 11.563 min Scan# 1593

Delta R.T. 0.000 min

Lab File: BF143307.D

Acq: 05 Aug 2025 10:58

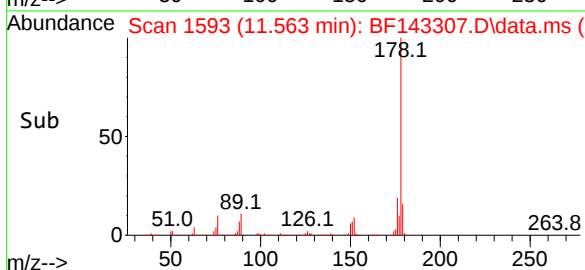
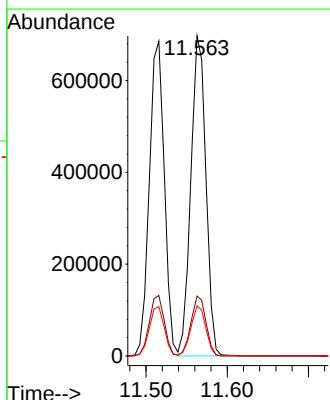
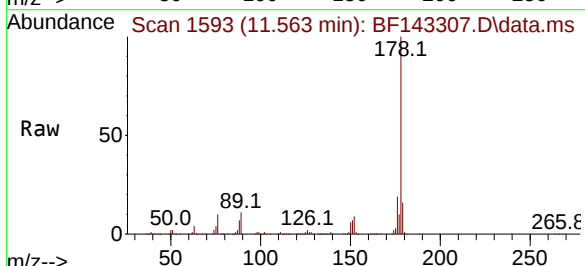
Tgt Ion:178 Resp: 897867

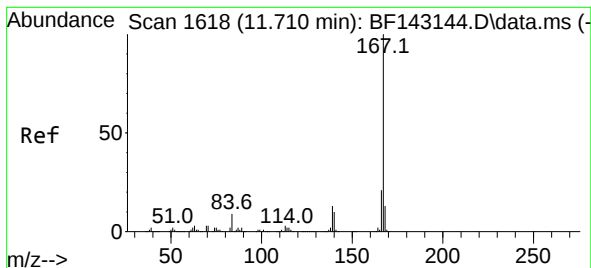
Ion Ratio Lower Upper

178 100

176 18.7 15.0 22.4

179 15.6 12.5 18.7





#73

Carbazole

Concen: 45.901 ng

RT: 11.716 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143307.D

Acq: 05 Aug 2025 10:58

Instrument :

BNA_F

ClientSampleId :

PB169095BS

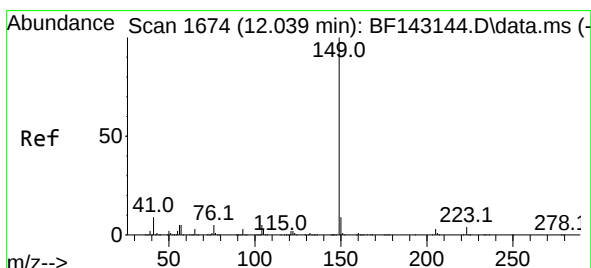
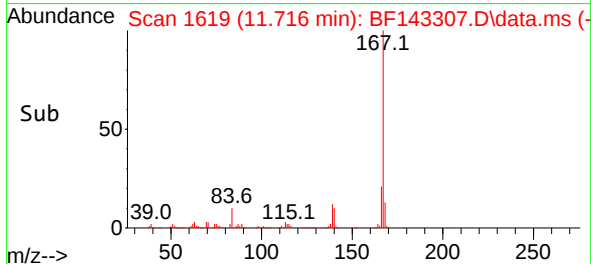
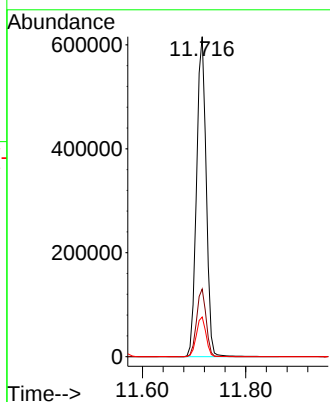
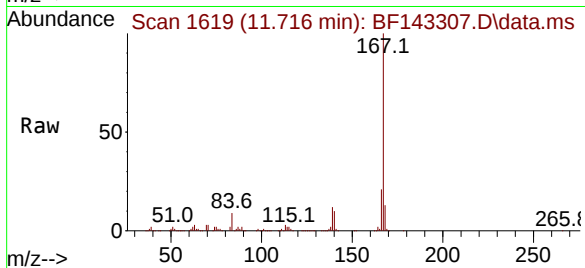
Tgt Ion:167 Resp: 794899

Ion Ratio Lower Upper

167 100

166 21.1 17.0 25.6

139 12.4 10.0 15.0



#74

Di-n-butylphthalate

Concen: 50.294 ng

RT: 12.045 min Scan# 1675

Delta R.T. 0.006 min

Lab File: BF143307.D

Acq: 05 Aug 2025 10:58

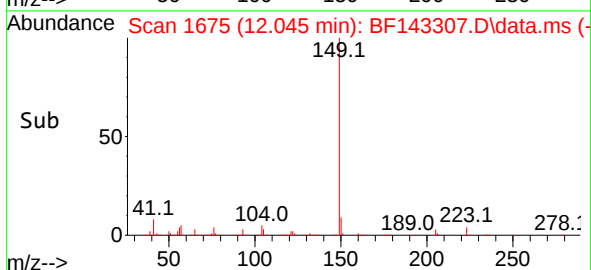
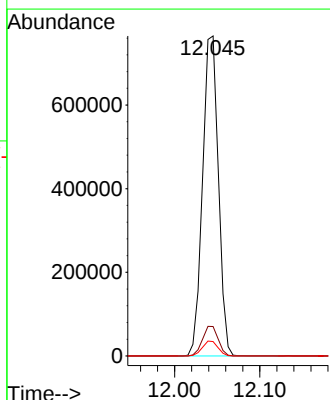
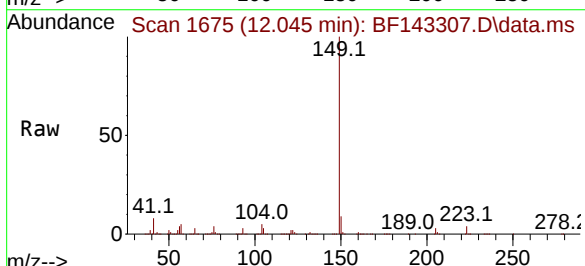
Tgt Ion:149 Resp: 985524

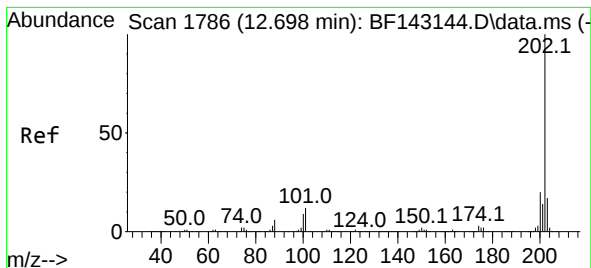
Ion Ratio Lower Upper

149 100

150 9.2 7.4 11.2

104 4.5 3.8 5.8





#75

Fluoranthene

Concen: 47.646 ng

RT: 12.704 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143307.D

Acq: 05 Aug 2025 10:58

Instrument :

BNA_F

ClientSampleId :

PB169095BS

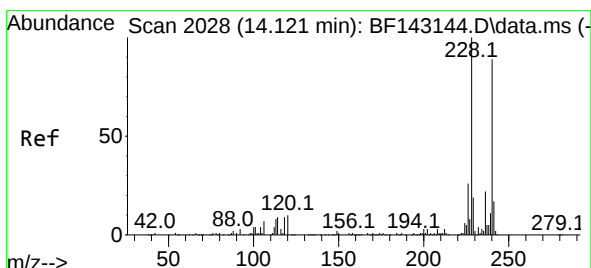
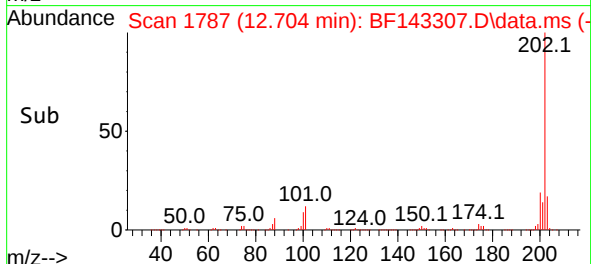
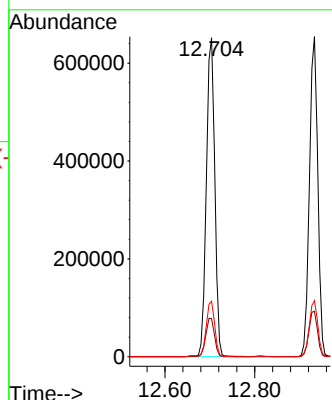
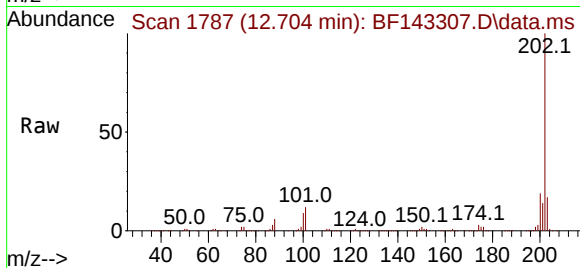
Tgt Ion:202 Resp: 850431

Ion Ratio Lower Upper

202 100

101 11.9 0.0 31.7

203 17.4 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: BF143307.D

Acq: 05 Aug 2025 10:58

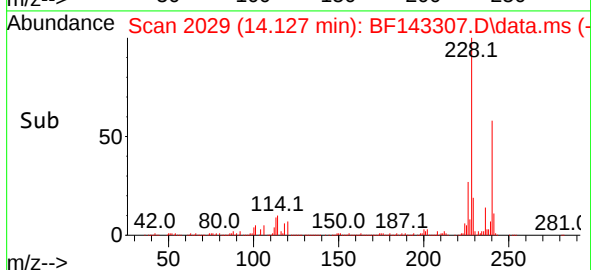
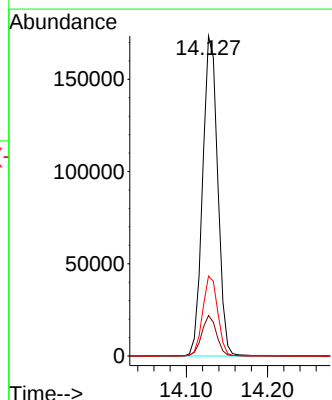
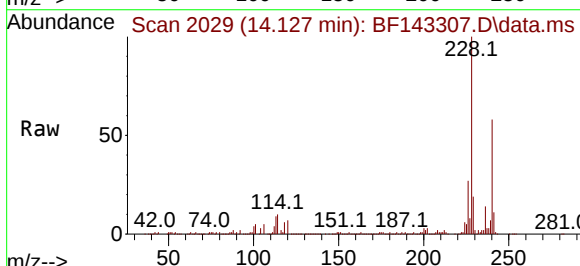
Tgt Ion:240 Resp: 223170

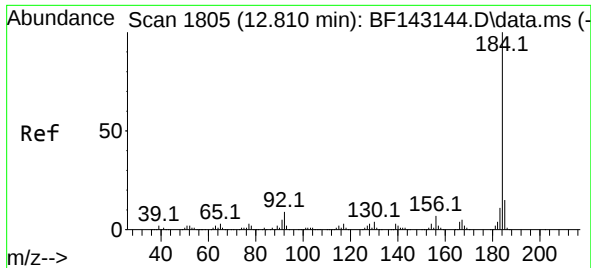
Ion Ratio Lower Upper

240 100

120 12.7 9.4 14.2

236 25.0 20.2 30.4

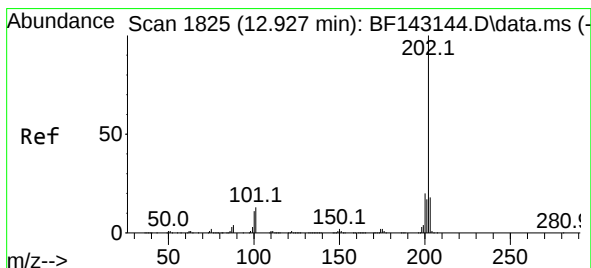
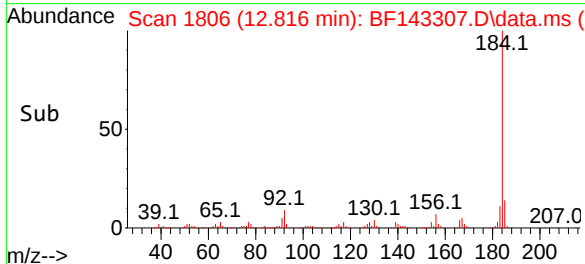
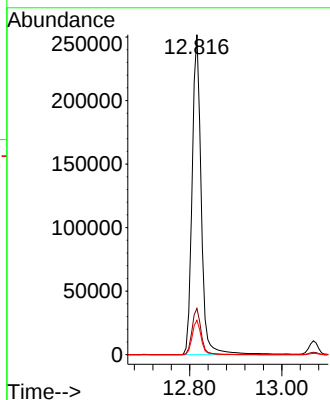
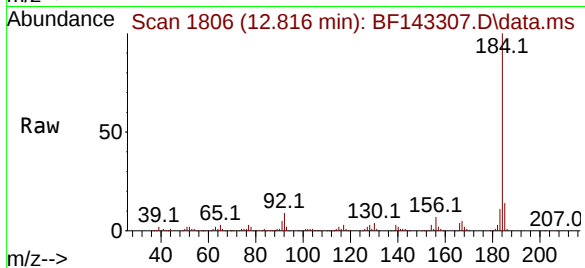




#77
Benzidine
Concen: 39.905 ng
RT: 12.816 min Scan# 1805
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

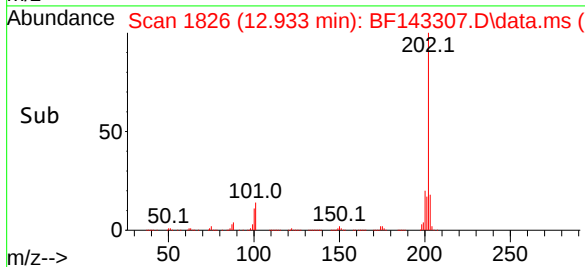
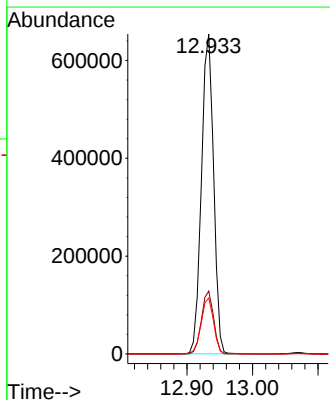
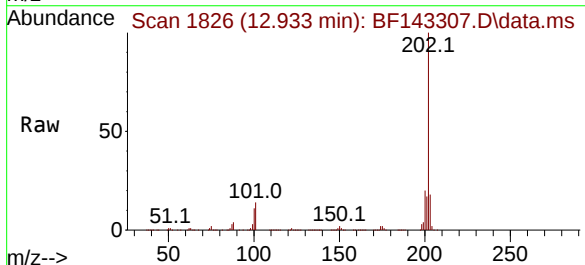
Instrument :
BNA_F
ClientSampleId :
PB169095BS

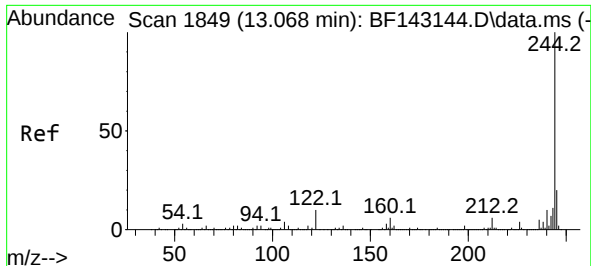
Tgt Ion:184 Resp: 343105
Ion Ratio Lower Upper
184 100
185 14.5 12.2 18.4
183 10.8 9.0 13.4



#78
Pyrene
Concen: 44.329 ng
RT: 12.933 min Scan# 1826
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:202 Resp: 844315
Ion Ratio Lower Upper
202 100
200 19.7 15.7 23.5
203 17.5 14.2 21.2

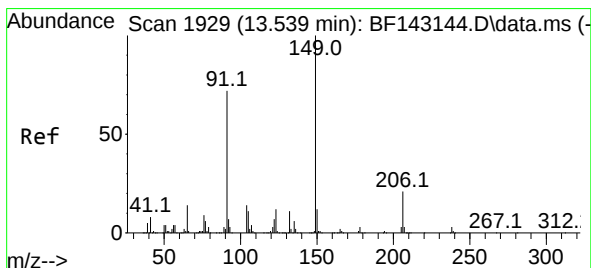
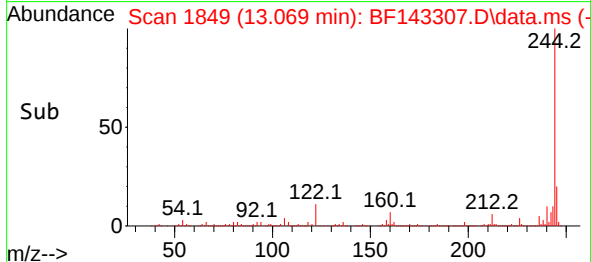
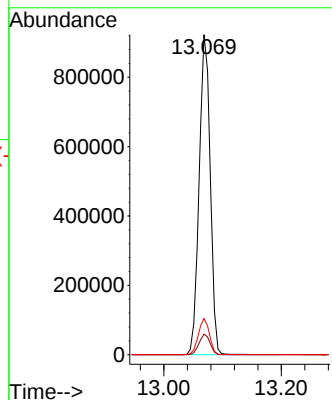
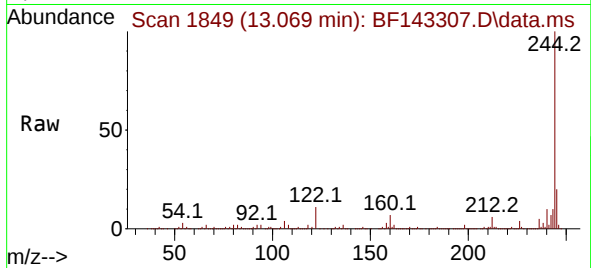




#79
 Terphenyl-d14
 Concen: 80.342 ng
 RT: 13.069 min Scan# 1849
 Delta R.T. 0.000 min
 Lab File: BF143307.D
 Acq: 05 Aug 2025 10:58

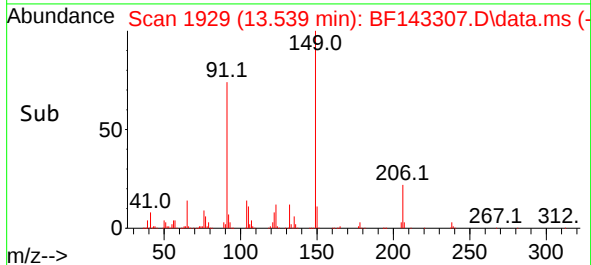
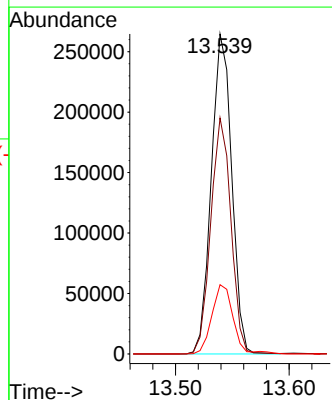
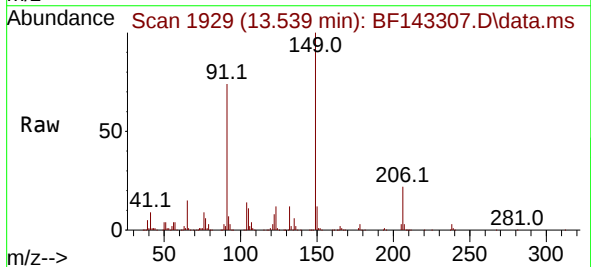
Instrument :
 BNA_F
 ClientSampleId :
 PB169095BS

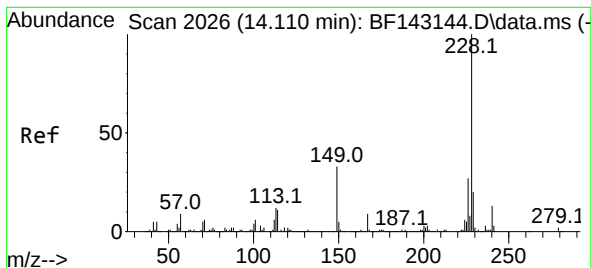
Tgt Ion:244 Resp: 1204878
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.2 7.8
 122 11.3 8.2 12.2



#80
 Butylbenzylphthalate
 Concen: 56.680 ng
 RT: 13.539 min Scan# 1929
 Delta R.T. 0.000 min
 Lab File: BF143307.D
 Acq: 05 Aug 2025 10:58

Tgt Ion:149 Resp: 330575
 Ion Ratio Lower Upper
 149 100
 91 73.8 57.9 86.9
 206 21.7 17.0 25.4





#81

Benzo(a)anthracene

Concen: 46.891 ng

RT: 14.116 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF143307.D

Acq: 05 Aug 2025 10:58

Instrument :

BNA_F

ClientSampleId :

PB169095BS

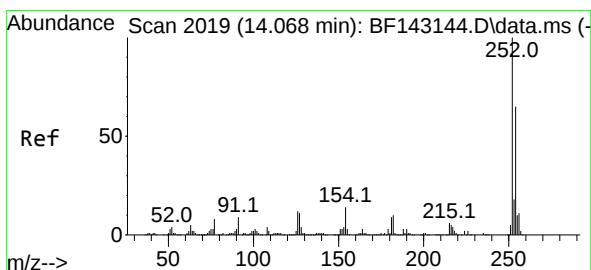
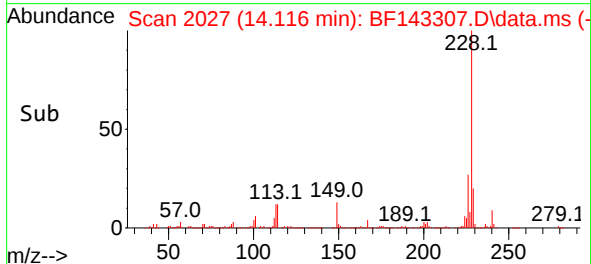
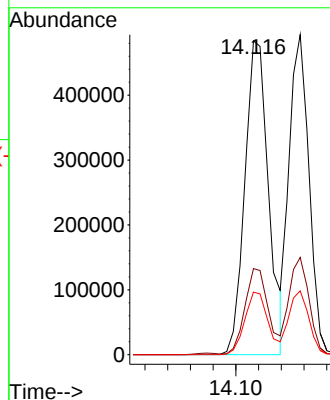
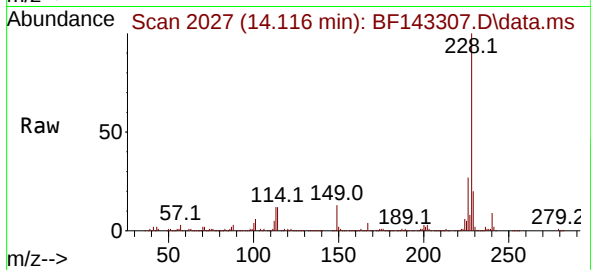
Tgt Ion:228 Resp: 700613

Ion Ratio Lower Upper

228 100

226 27.4 21.7 32.5

229 20.0 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 34.132 ng

RT: 14.074 min Scan# 2020

Delta R.T. 0.006 min

Lab File: BF143307.D

Acq: 05 Aug 2025 10:58

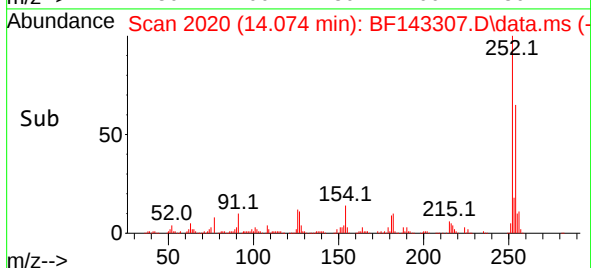
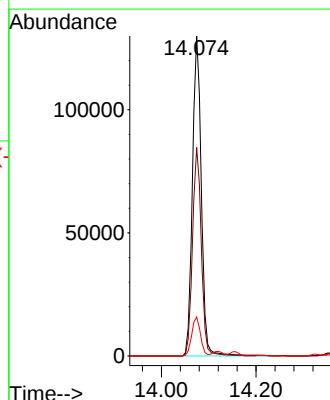
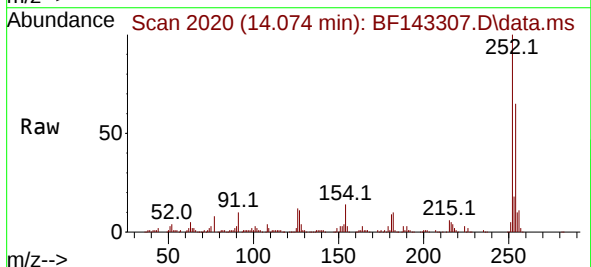
Tgt Ion:252 Resp: 169971

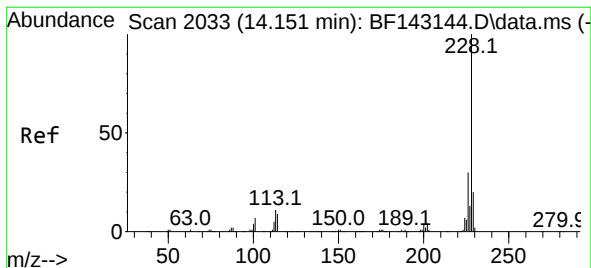
Ion Ratio Lower Upper

252 100

254 65.1 51.7 77.5

126 12.2 9.4 14.0





#83

Chrysene

Concen: 44.779 ng

RT: 14.157 min Scan# 2033

Delta R.T. 0.006 min

Lab File: BF143307.D

Acq: 05 Aug 2025 10:58

Instrument :

BNA_F

ClientSampleId :

PB169095BS

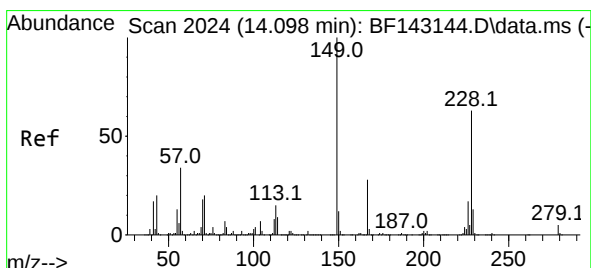
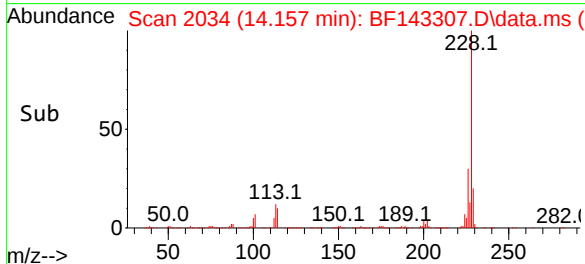
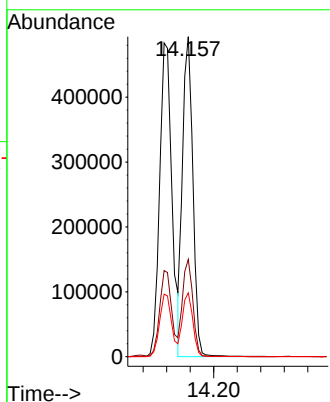
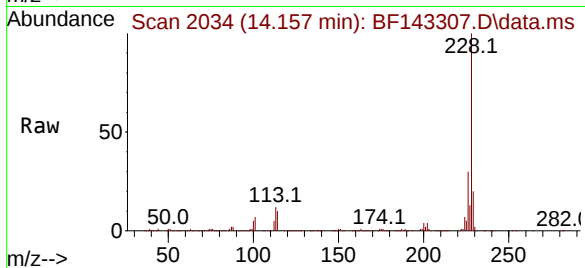
Tgt Ion:228 Resp: 601537

Ion Ratio Lower Upper

228 100

226 30.4 23.8 35.8

229 19.9 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 51.650 ng

RT: 14.098 min Scan# 2024

Delta R.T. 0.000 min

Lab File: BF143307.D

Acq: 05 Aug 2025 10:58

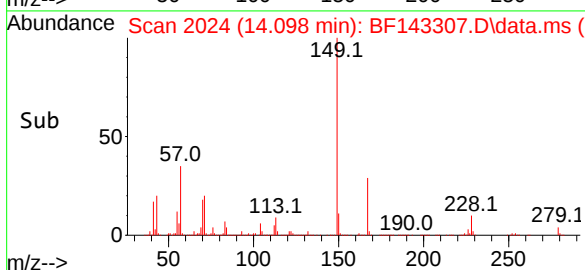
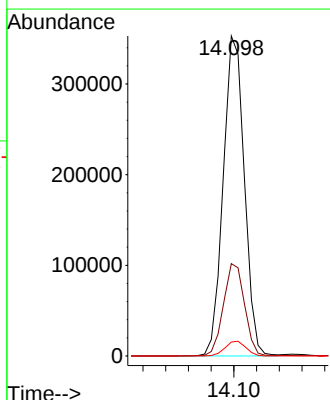
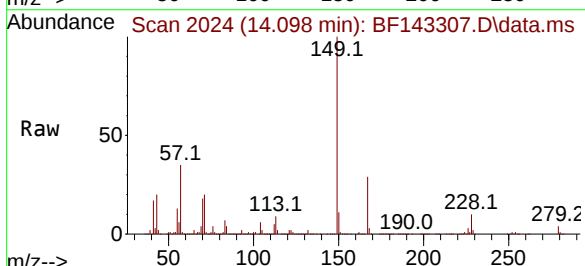
Tgt Ion:149 Resp: 455949

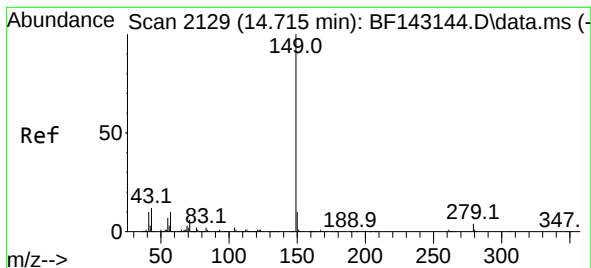
Ion Ratio Lower Upper

149 100

167 28.9 22.3 33.5

279 4.3 3.6 5.4

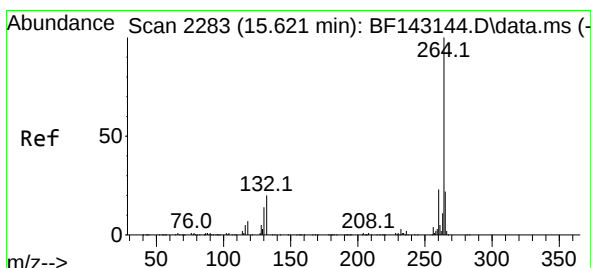
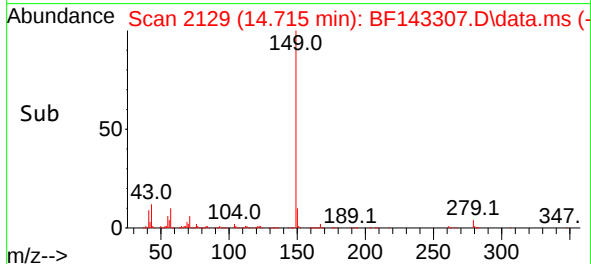
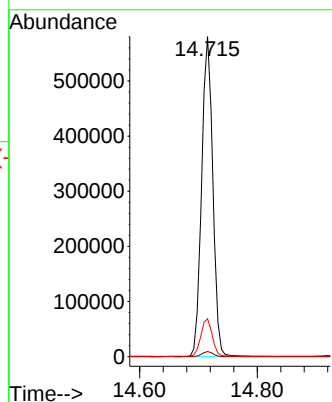
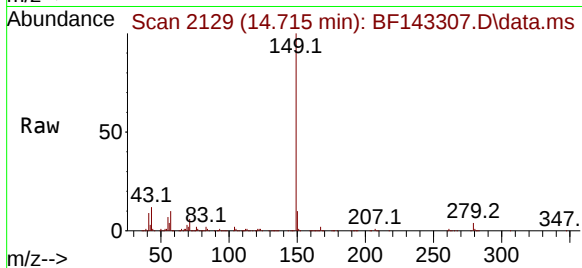




#85
Di-n-octyl phthalate
Concen: 47.779 ng
RT: 14.715 min Scan# 2129
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

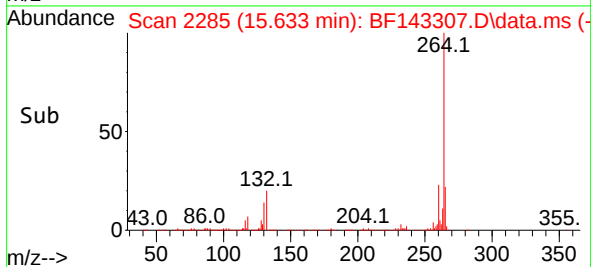
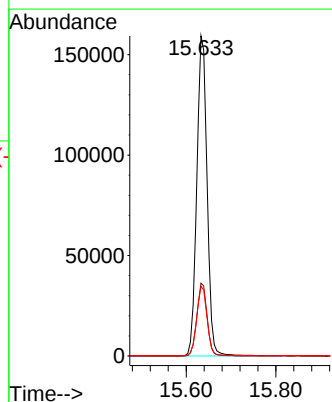
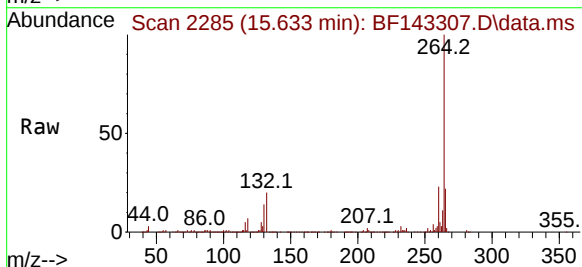
Instrument :
BNA_F
ClientSampleId :
PB169095BS

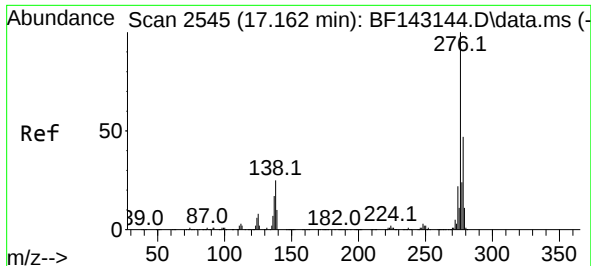
Tgt Ion:149 Resp: 764520
Ion Ratio Lower Upper
149 100
167 1.7 1.1 1.7#
43 12.0 9.7 14.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. 0.012 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:264 Resp: 254386
Ion Ratio Lower Upper
264 100
260 22.8 18.5 27.7
265 21.7 17.4 26.2

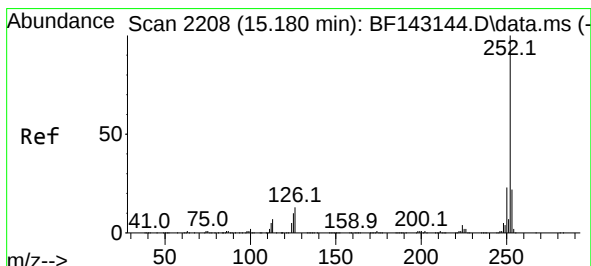
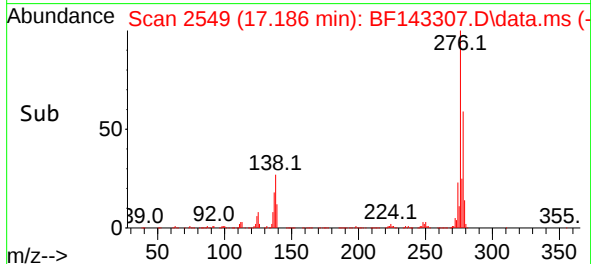
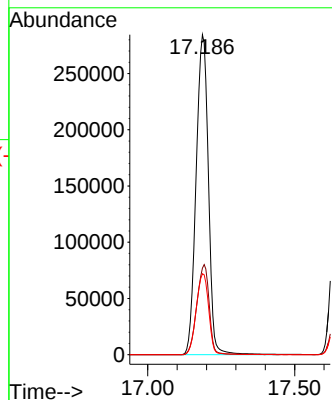
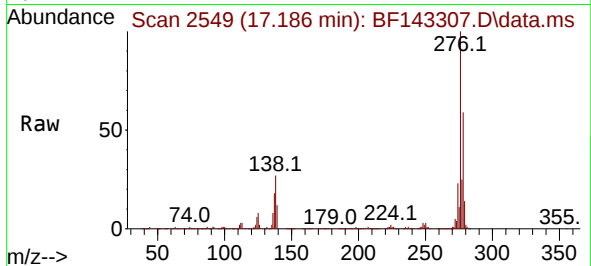




#87
Indeno(1,2,3-cd)pyrene
Concen: 45.927 ng
RT: 17.186 min Scan# 2110
Delta R.T. 0.024 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

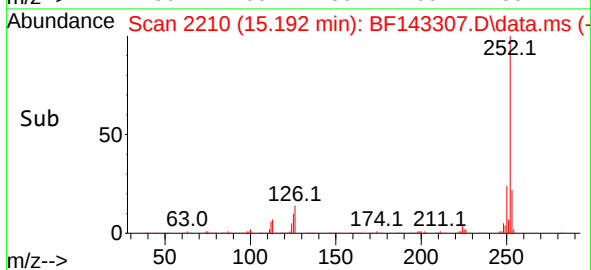
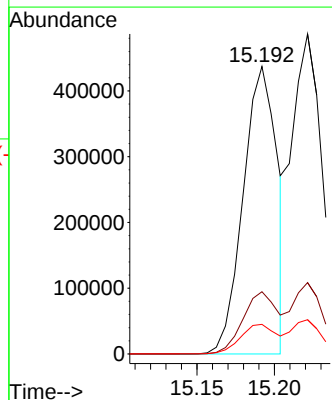
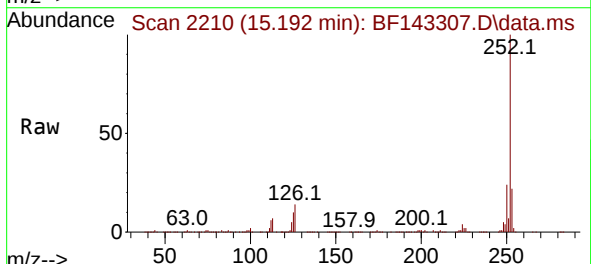
Instrument :
BNA_F
ClientSampleId :
PB169095BS

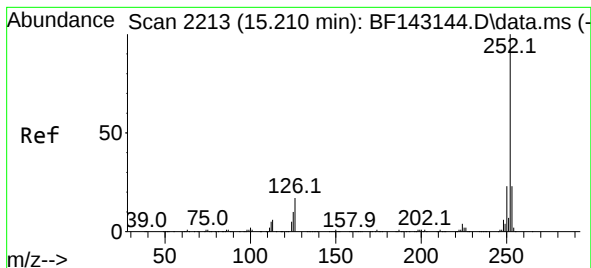
Tgt Ion:276 Resp: 823824
Ion Ratio Lower Upper
276 100
138 28.4 21.8 32.6
277 25.7 20.0 30.0



#88
Benzo(b)fluoranthene
Concen: 42.865 ng
RT: 15.192 min Scan# 2210
Delta R.T. 0.012 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:252 Resp: 666144
Ion Ratio Lower Upper
252 100
253 21.7 17.5 26.3
125 10.3 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 48.315 ng

RT: 15.221 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143307.D

Acq: 05 Aug 2025 10:58

Instrument :

BNA_F

ClientSampleId :

PB169095BS

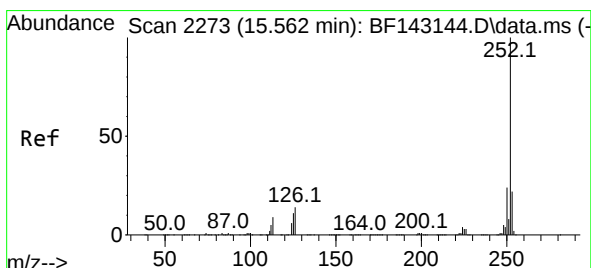
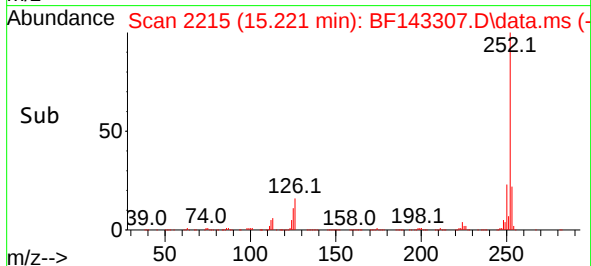
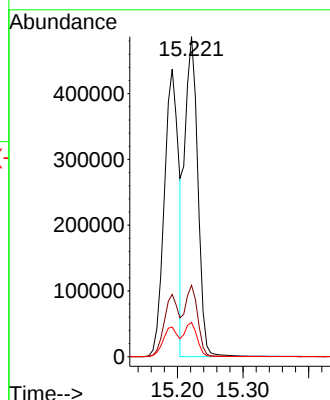
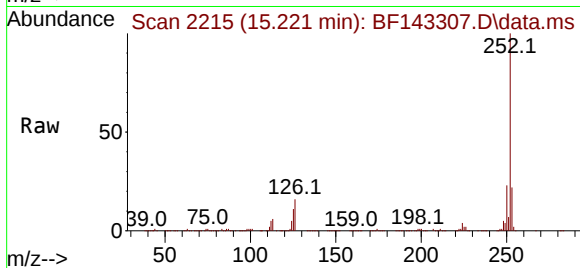
Tgt Ion:252 Resp: 670019

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.6

125 10.7 8.1 12.1



#90

Benzo(a)pyrene

Concen: 46.330 ng

RT: 15.574 min Scan# 2275

Delta R.T. 0.012 min

Lab File: BF143307.D

Acq: 05 Aug 2025 10:58

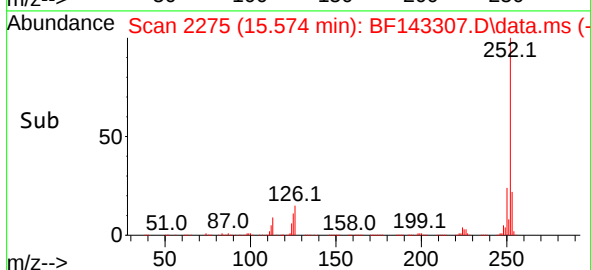
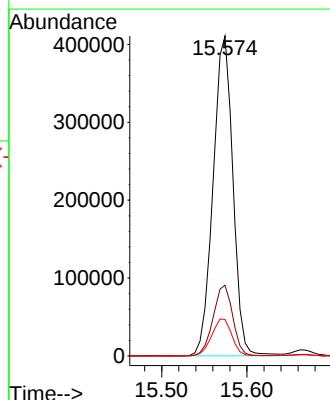
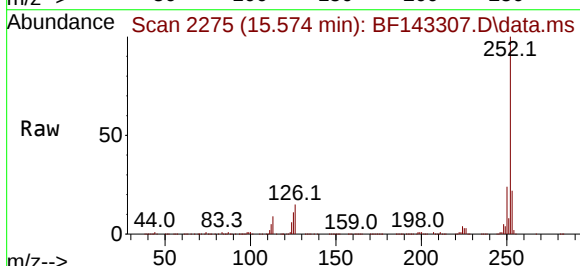
Tgt Ion:252 Resp: 663370

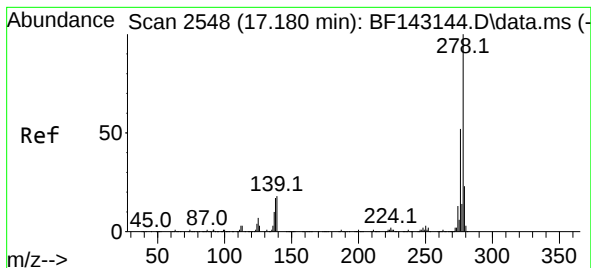
Ion Ratio Lower Upper

252 100

253 22.1 17.3 25.9

125 11.4 8.6 13.0





#91

Dibenzo(a,h)anthracene

Concen: 45.952 ng

RT: 17.204 min Scan# 21

Delta R.T. 0.024 min

Lab File: BF143307.D

Acq: 05 Aug 2025 10:58

Instrument :

BNA_F

ClientSampleId :

PB169095BS

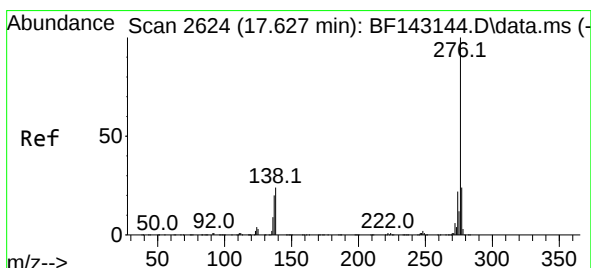
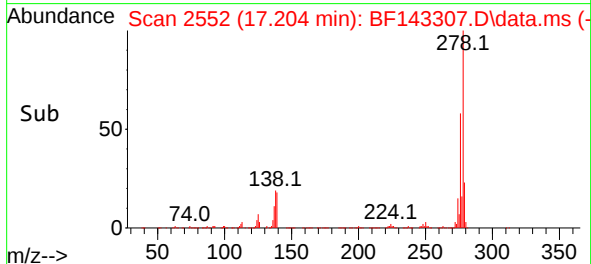
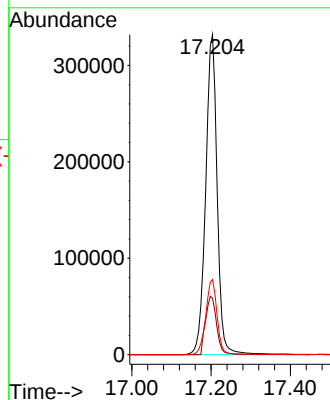
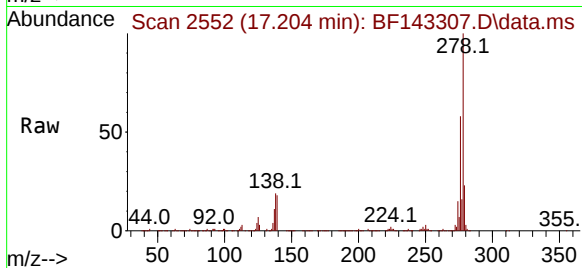
Tgt Ion:278 Resp: 670907

Ion Ratio Lower Upper

278 100

139 17.7 14.1 21.1

279 23.4 18.6 28.0



#92

Benzo(g,h,i)perylene

Concen: 47.170 ng

RT: 17.651 min Scan# 2628

Delta R.T. 0.024 min

Lab File: BF143307.D

Acq: 05 Aug 2025 10:58

Tgt Ion:276 Resp: 666185

Ion Ratio Lower Upper

276 100

277 23.5 19.1 28.7

138 25.2 18.9 28.3

