

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080125\
 Data File : BF143281.D
 Acq On : 01 Aug 2025 14:37
 Operator : RC/JU
 Sample : PB169087BS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB169087BS

Quant Time: Aug 01 15:08:44 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	111937	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	478481	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	196679	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	332732	20.000	ng	0.00
76) Chrysene-d12	14.127	240	185103	20.000	ng	0.00
86) Perylene-d12	15.633	264	196335	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	846345	119.649	ng	0.02
7) Phenol-d6	6.592	99	1084828	121.844	ng	0.00
23) Nitrobenzene-d5	7.522	82	750639	78.200	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	279755	137.688	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1190719	82.798	ng	0.00
79) Terphenyl-d14	13.068	244	1102522	88.636	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.899	88	137544	41.094	ng	98
3) Pyridine	3.651	79	397516	45.758	ng	97
4) n-Nitrosodimethylamine	3.593	42	205667	45.853	ng	98
6) Aniline	6.622	93	362043	29.177	ng	95
8) 2-Chlorophenol	6.751	128	365340	49.273	ng	97
9) Benzaldehyde	6.510	77	212086	31.767	ng	99
10) Phenol	6.604	94	426617	43.984	ng	94
11) bis(2-Chloroethyl)ether	6.692	93	326661	43.986	ng	99
12) 1,3-Dichlorobenzene	6.904	146	354530	44.016	ng	99
13) 1,4-Dichlorobenzene	6.981	146	353562	43.588	ng	100
14) 1,2-Dichlorobenzene	7.134	146	344809	44.694	ng	99
15) Benzyl Alcohol	7.098	79	321266	47.257	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.234	45	627582	45.555	ng	98
17) 2-Methylphenol	7.210	107	284459	45.628	ng	99
18) Hexachloroethane	7.475	117	129864	46.247	ng	97
19) n-Nitroso-di-n-propyla...	7.369	70	243183	42.573	ng	100
20) 3+4-Methylphenols	7.363	107	334201	44.184	ng	# 74
22) Acetophenone	7.363	105	444791	39.264	ng	95
24) Nitrobenzene	7.539	77	372746	41.651	ng	99
25) Isophorone	7.775	82	686428	40.508	ng	99
26) 2-Nitrophenol	7.857	139	182404	46.963	ng	96
27) 2,4-Dimethylphenol	7.892	122	328255	41.462	ng	99
28) bis(2-Chloroethoxy)met...	7.986	93	463479	45.619	ng	99
29) 2,4-Dichlorophenol	8.098	162	306253	45.869	ng	99
30) 1,2,4-Trichlorobenzene	8.181	180	325305	45.099	ng	99
31) Naphthalene	8.263	128	1058902	44.936	ng	100
32) Benzoic acid	8.004	122	199637	45.114	ng	100
33) 4-Chloroaniline	8.304	127	122027	12.682	ng	99
34) Hexachlorobutadiene	8.386	225	195150	44.289	ng	98
35) Caprolactam	8.675	113	75075	37.211	ng	99
36) 4-Chloro-3-methylphenol	8.792	107	337599	46.521	ng	98
37) 2-Methylnaphthalene	8.957	142	648907	45.253	ng	99
38) 1-Methylnaphthalene	9.057	142	668891	45.299	ng	100
40) 1,2,4,5-Tetrachloroben...	9.128	216	308822	54.386	ng	99
41) Hexachlorocyclopentadiene	9.116	237	389339	105.377	ng	100
43) 2,4,6-Trichlorophenol	9.233	196	194434	49.476	ng	99

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	209348	53.255	ng	99
46) 1,1'-Biphenyl	9.422	154	695805	45.345	ng	99
47) 2-Chloronaphthalene	9.445	162	510087	44.926	ng	99
48) 2-Nitroaniline	9.533	65	172299	48.390	ng	100
49) Acenaphthylene	9.863	152	864483	45.433	ng	100
50) Dimethylphthalate	9.716	163	604078	47.120	ng	100
51) 2,6-Dinitrotoluene	9.775	165	130014	49.852	ng	99
52) Acenaphthene	10.033	154	555470	49.392	ng	99
53) 3-Nitroaniline	9.945	138	73630	24.137	ng	98
54) 2,4-Dinitrophenol	10.051	184	121594	100.966	ng	# 1
55) Dibenzofuran	10.204	168	747478	44.767	ng	99
56) 4-Nitrophenol	10.104	139	199667	87.654	ng	99
57) 2,4-Dinitrotoluene	10.180	165	175695	53.697	ng	95
58) Fluorene	10.551	166	570237	45.504	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.322	232	153666	47.190	ng	97
60) Diethylphthalate	10.416	149	597644	47.165	ng	100
61) 4-Chlorophenyl-phenyle...	10.539	204	288333	46.208	ng	99
62) 4-Nitroaniline	10.557	138	127551	48.788	ng	98
63) Azobenzene	10.698	77	586851	44.437	ng	99
65) 4,6-Dinitro-2-methylph...	10.592	198	85778	49.044	ng	97
66) n-Nitrosodiphenylamine	10.657	169	510935	43.608	ng	99
67) 4-Bromophenyl-phenylether	11.027	248	177500	44.764	ng	99
68) Hexachlorobenzene	11.104	284	187073	45.137	ng	98
69) Atrazine	11.180	200	157449	48.744	ng	100
70) Pentachlorophenol	11.292	266	208299	85.462	ng	99
71) Phenanthrene	11.516	178	788552	44.634	ng	100
72) Anthracene	11.563	178	808098	44.848	ng	99
73) Carbazole	11.716	167	712207	45.267	ng	100
74) Di-n-butylphthalate	12.039	149	856407	48.106	ng	100
75) Fluoranthene	12.698	202	777745	47.962	ng	100
77) Benzidine	12.816	184	226771	31.798	ng	99
78) Pyrene	12.933	202	759881	48.101	ng	99
80) Butylbenzylphthalate	13.539	149	281240	58.138	ng	100
81) Benzo(a)anthracene	14.115	228	565267	45.613	ng	100
82) 3,3'-Dichlorobenzidine	14.074	252	88646	21.462	ng	98
83) Chrysene	14.151	228	522696	46.912	ng	99
84) Bis(2-ethylhexyl)phtha...	14.098	149	363243	49.610	ng	100
85) Di-n-octyl phthalate	14.715	149	586041	44.156	ng	98
87) Indeno(1,2,3-cd)pyrene	17.180	276	646594	46.705	ng	97
88) Benzo(b)fluoranthene	15.186	252	552673	46.078	ng	99
89) Benzo(k)fluoranthene	15.221	252	492088	45.976	ng	98
90) Benzo(a)pyrene	15.568	252	511924	46.324	ng	99
91) Dibenzo(a,h)anthracene	17.198	278	527401	46.804	ng	97
92) Benzo(g,h,i)perylene	17.645	276	607779	55.758	ng	98

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

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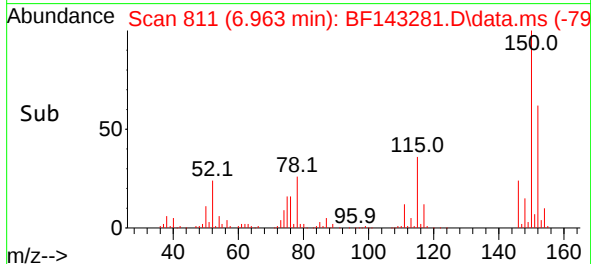
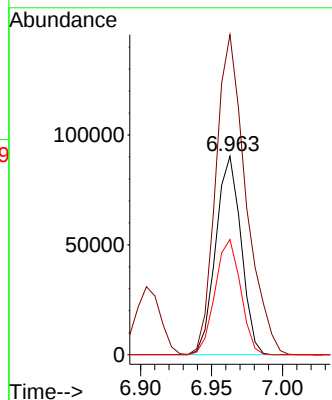
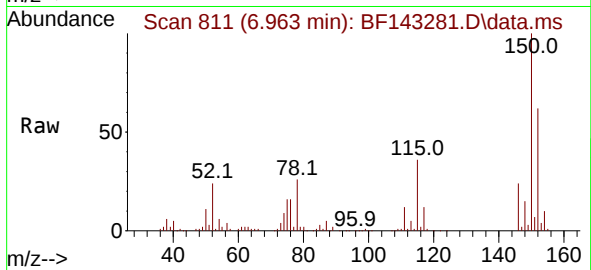




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.963 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: BF143281.D
 Acq: 01 Aug 2025 14:37

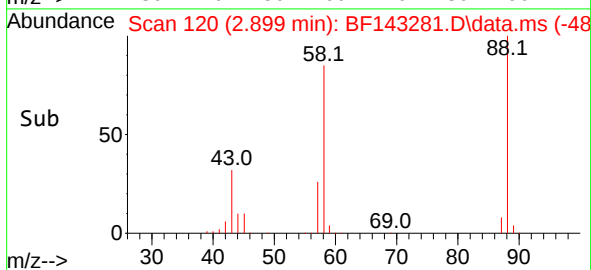
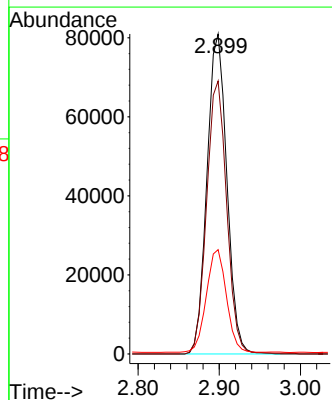
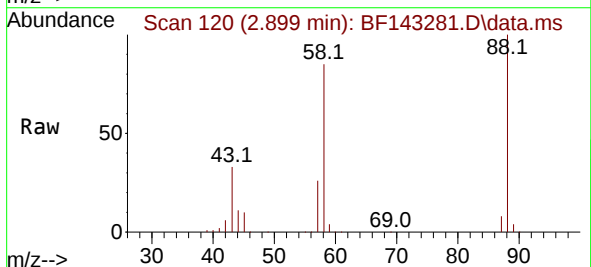
Instrument :
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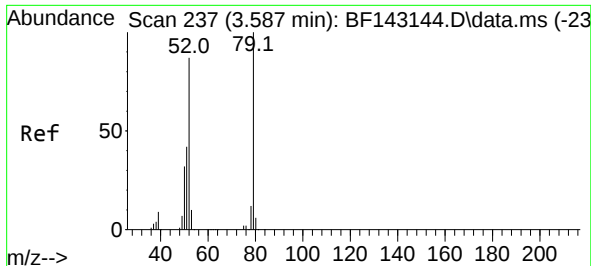
Tgt Ion:152 Resp: 111937
 Ion Ratio Lower Upper
 152 100
 150 161.3 128.2 192.4
 115 58.1 47.9 71.9



#2
 1,4-Dioxane
 Concen: 41.094 ng
 RT: 2.899 min Scan# 120
 Delta R.T. 0.076 min
 Lab File: BF143281.D
 Acq: 01 Aug 2025 14:37

Tgt Ion: 88 Resp: 137544
 Ion Ratio Lower Upper
 88 100
 58 86.1 70.2 105.2
 43 32.5 27.1 40.7





#3

Pyridine

Concen: 45.758 ng

RT: 3.651 min Scan# 24

Delta R.T. 0.065 min

Lab File: BF143281.D

Acq: 01 Aug 2025 14:37

Instrument :

BNA_F

ClientSampleId :

PB169087BS

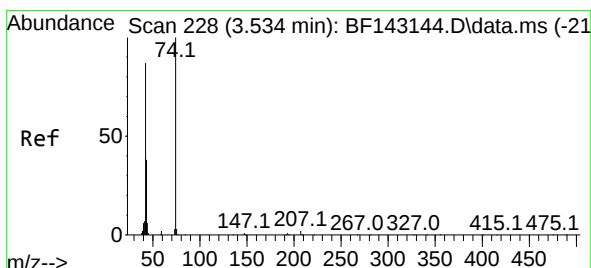
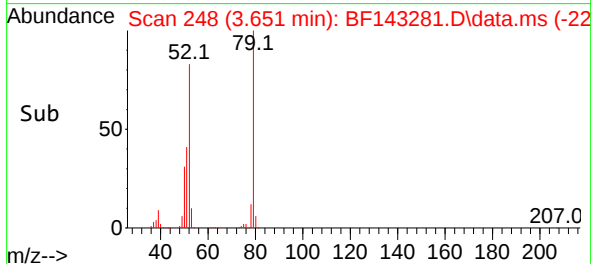
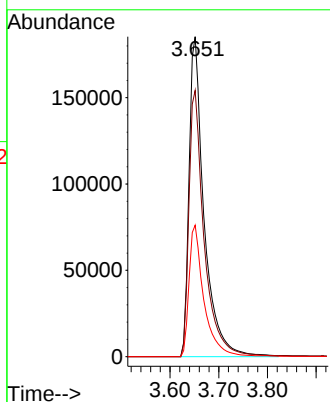
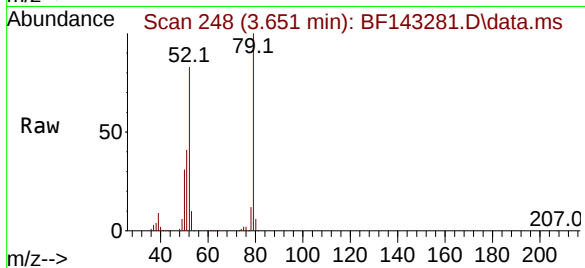
Tgt Ion: 79 Resp: 397516

Ion Ratio Lower Upper

79 100

52 83.2 69.4 104.2

51 41.1 33.5 50.3



#4

n-Nitrosodimethylamine

Concen: 45.853 ng

RT: 3.593 min Scan# 238

Delta R.T. 0.059 min

Lab File: BF143281.D

Acq: 01 Aug 2025 14:37

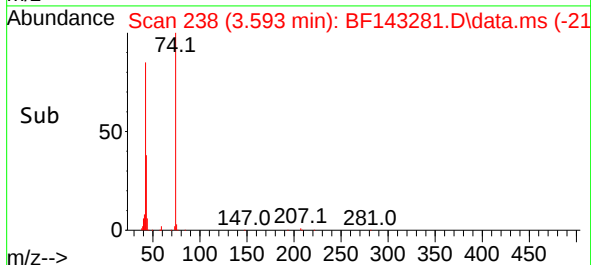
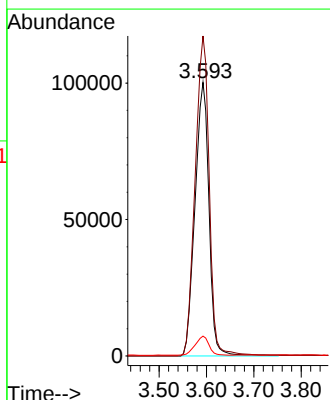
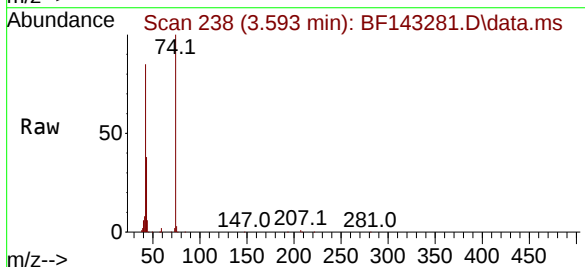
Tgt Ion: 42 Resp: 205667

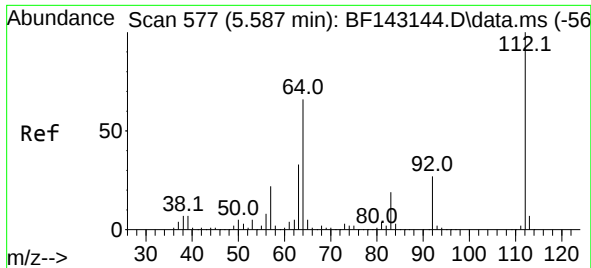
Ion Ratio Lower Upper

42 100

74 117.0 91.7 137.5

44 7.3 5.6 8.4

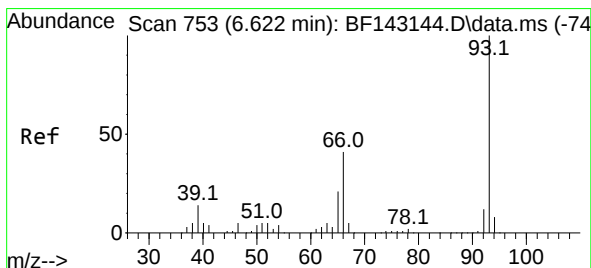
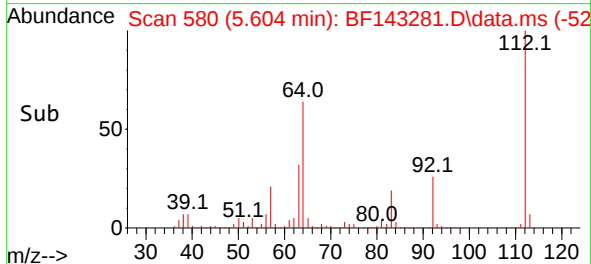
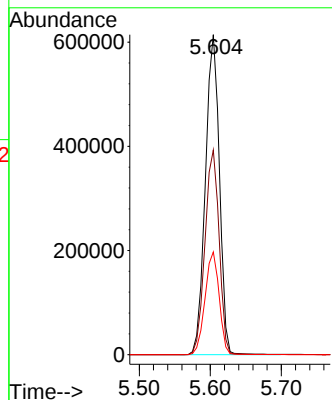
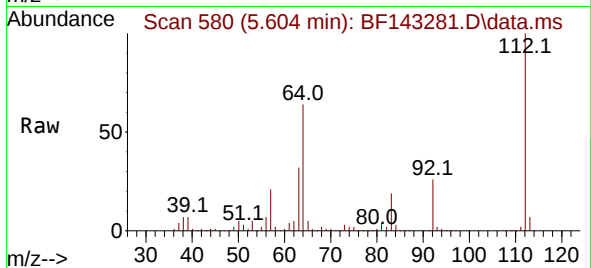




#5
2-Fluorophenol
Concen: 119.649 ng
RT: 5.604 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

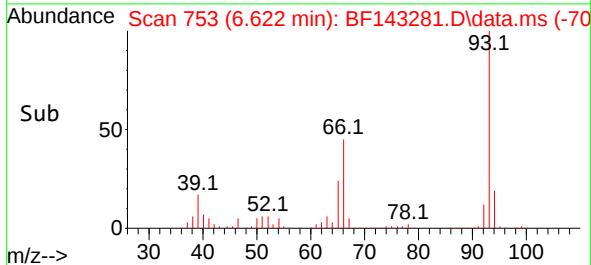
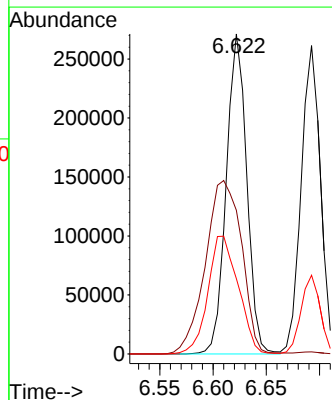
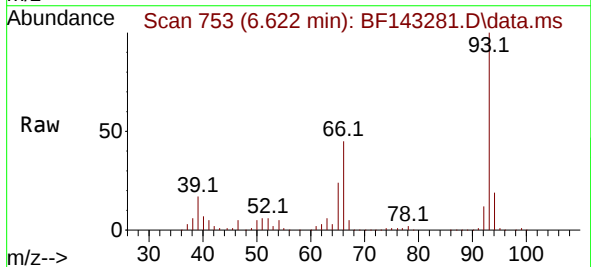
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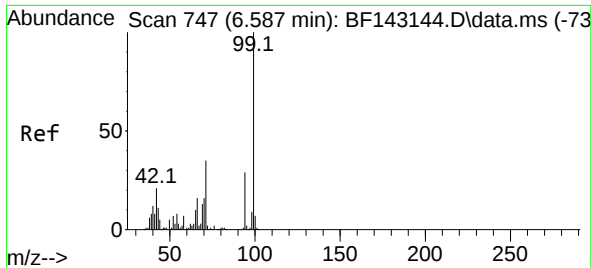
Tgt Ion:112 Resp: 846345
Ion Ratio Lower Upper
112 100
64 64.0 53.1 79.7
63 32.1 26.6 40.0



#6
Aniline
Concen: 29.177 ng
RT: 6.622 min Scan# 753
Delta R.T. -0.000 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

Tgt Ion: 93 Resp: 362043
Ion Ratio Lower Upper
93 100
66 44.9 33.2 49.8
65 23.6 16.9 25.3

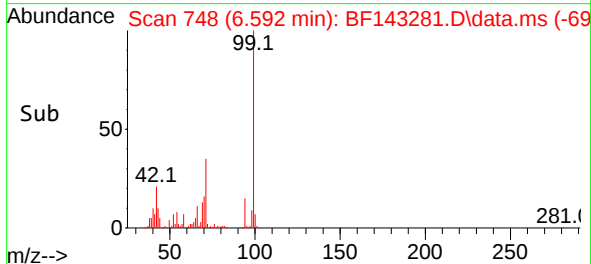
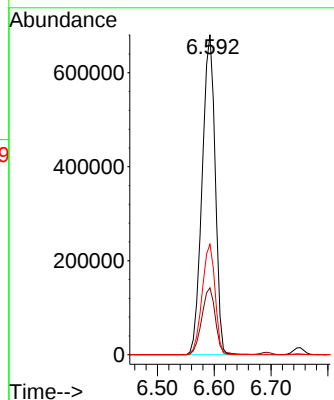
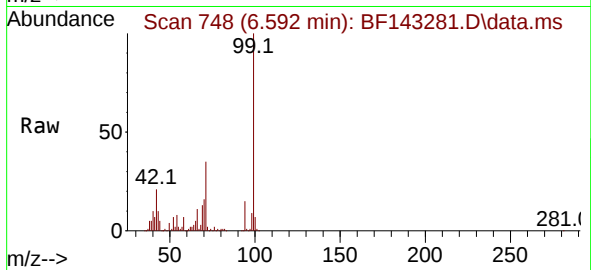




#7
Phenol-d6
Concen: 121.844 ng
RT: 6.592 min Scan# 747
Delta R.T. 0.006 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

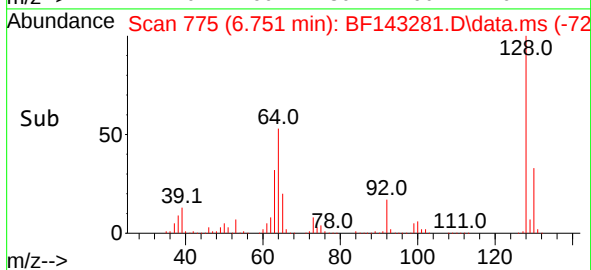
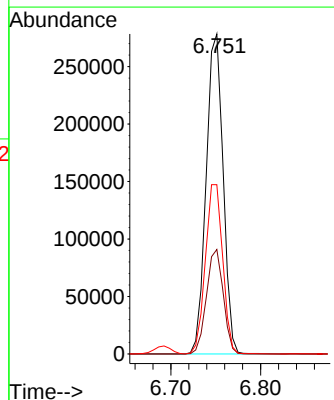
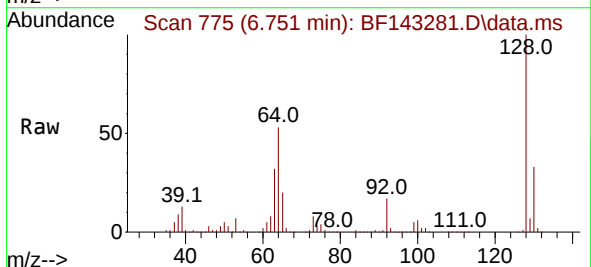
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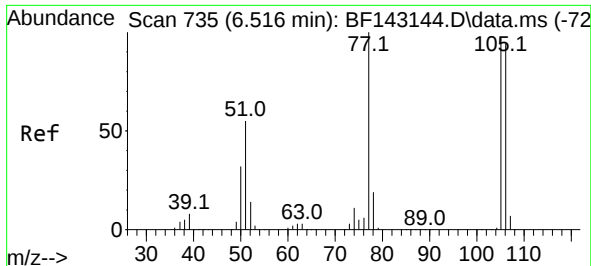
Tgt Ion: 99 Resp: 1084828
Ion Ratio Lower Upper
99 100
42 20.9 17.0 25.6
71 34.5 27.7 41.5



#8
2-Chlorophenol
Concen: 49.273 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

Tgt Ion: 128 Resp: 365340
Ion Ratio Lower Upper
128 100
130 32.7 12.3 52.3
64 52.9 35.9 75.9

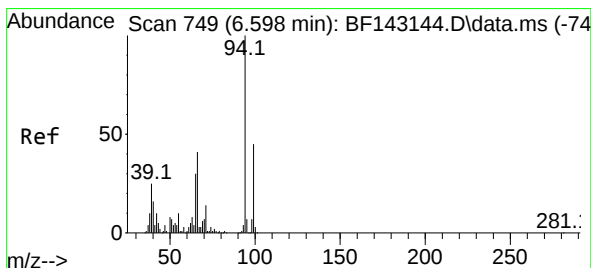
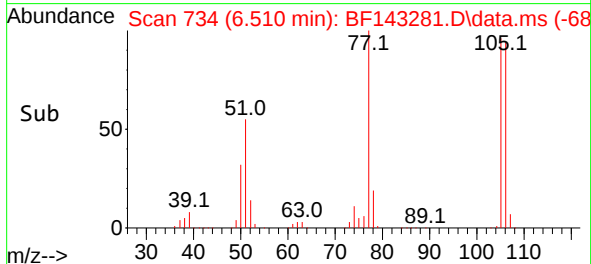
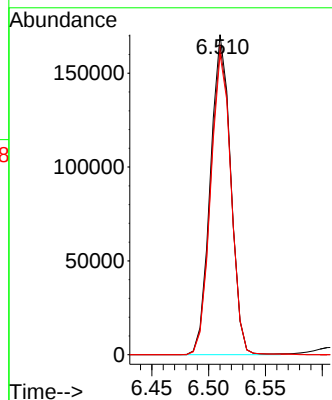
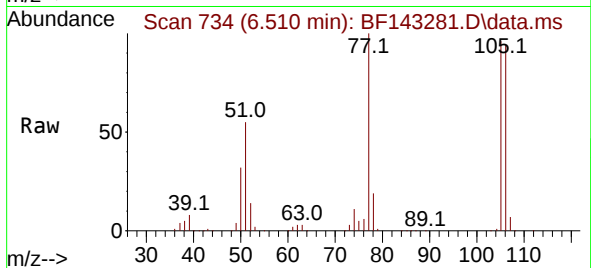




#9
Benzaldehyde
Concen: 31.767 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

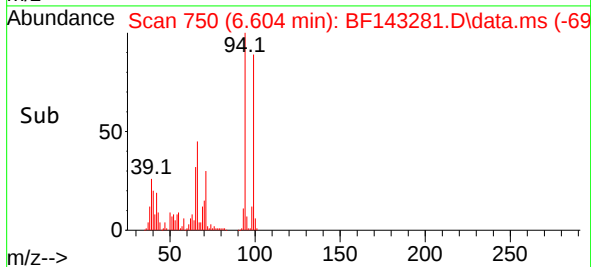
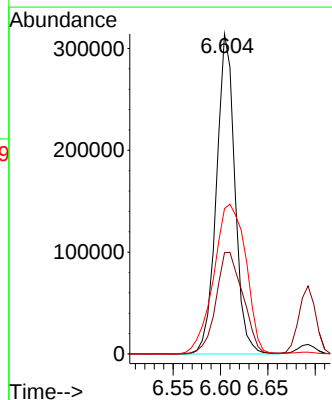
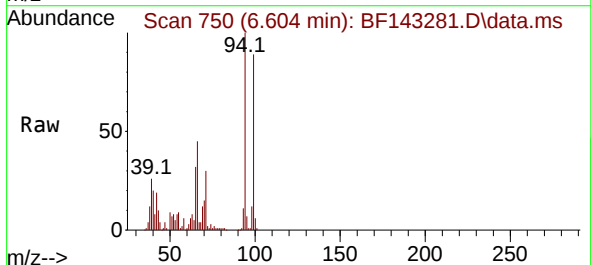
Instrument :
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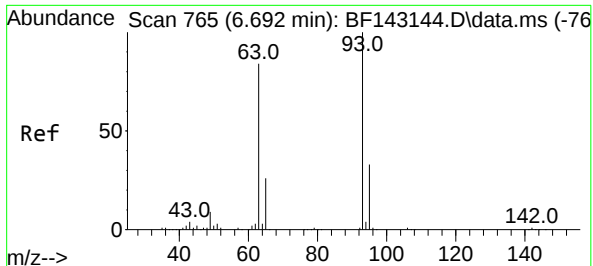
Tgt Ion: 77 Resp: 212086
Ion Ratio Lower Upper
77 100
105 96.3 76.8 116.8
106 93.9 74.4 114.4



#10
Phenol
Concen: 43.984 ng
RT: 6.604 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

Tgt Ion: 94 Resp: 426617
Ion Ratio Lower Upper
94 100
65 31.7 10.0 50.0
66 45.5 20.8 60.8





#11

bis(2-Chloroethyl)ether

Concen: 43.986 ng

RT: 6.692 min Scan# 765

Delta R.T. -0.000 min

Lab File: BF143281.D

Acq: 01 Aug 2025 14:37

Instrument :

BNA_F

ClientSampleId :

PB169087BS

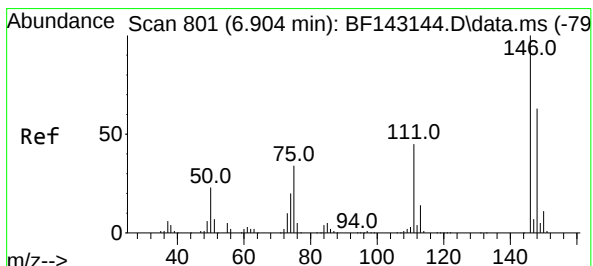
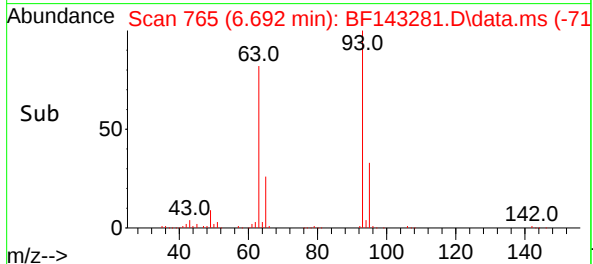
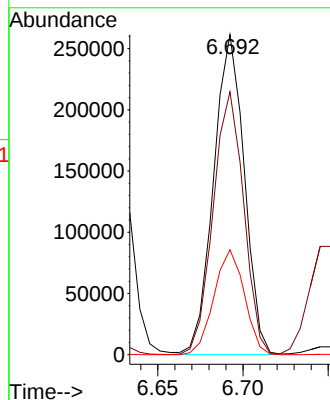
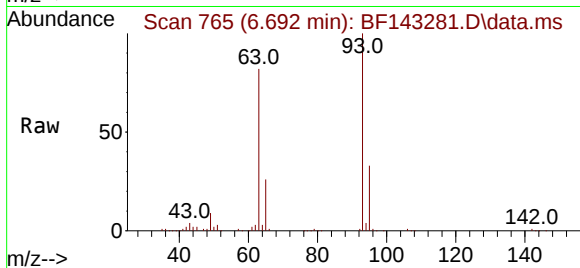
Tgt Ion: 93 Resp: 326661

Ion Ratio Lower Upper

93 100

63 82.1 63.4 103.4

95 32.8 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 44.016 ng

RT: 6.904 min Scan# 801

Delta R.T. -0.000 min

Lab File: BF143281.D

Acq: 01 Aug 2025 14:37

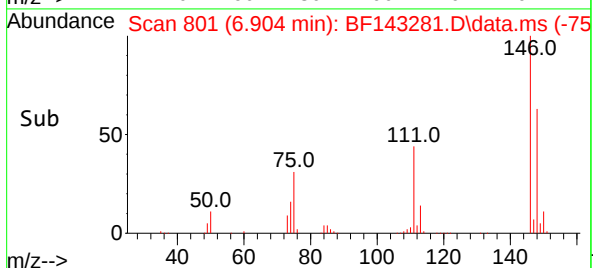
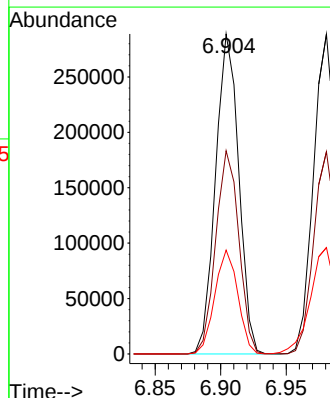
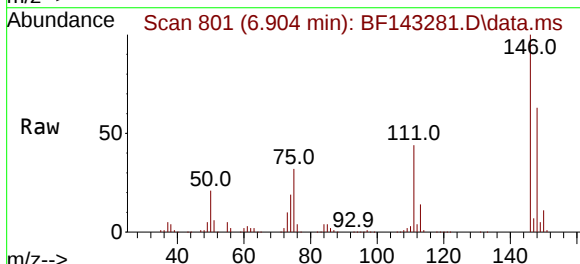
Tgt Ion: 146 Resp: 354530

Ion Ratio Lower Upper

146 100

148 63.5 50.6 76.0

75 32.5 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 43.588 ng

RT: 6.981 min Scan# 814

Delta R.T. -0.000 min

Lab File: BF143281.D

Acq: 01 Aug 2025 14:37

Instrument :

BNA_F

ClientSampleId :

PB169087BS

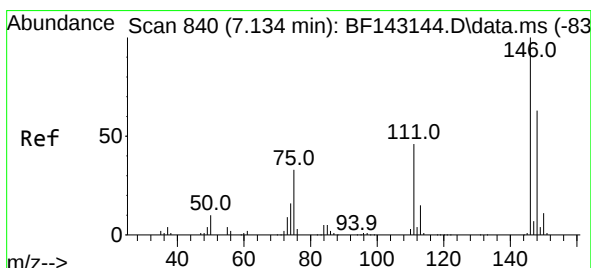
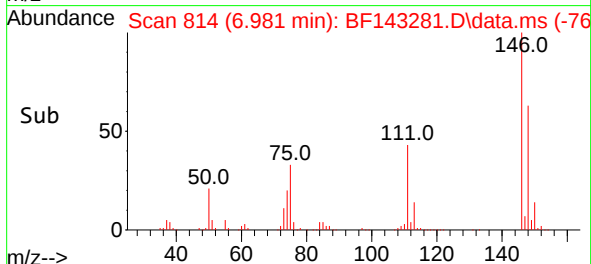
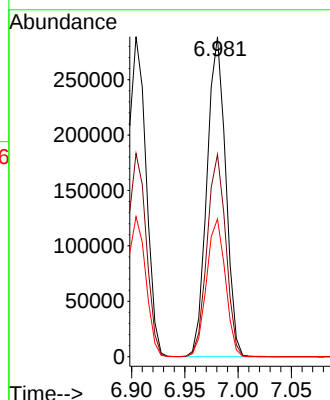
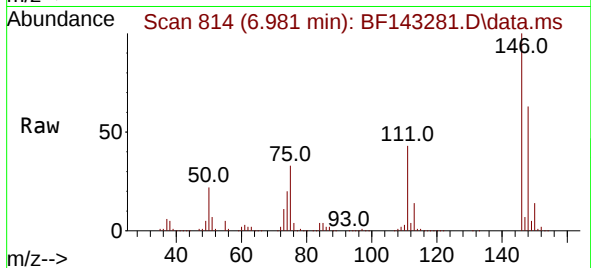
Tgt Ion:146 Resp: 353562

Ion Ratio Lower Upper

146 100

148 63.2 50.3 75.5

111 43.1 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 44.694 ng

RT: 7.134 min Scan# 840

Delta R.T. -0.000 min

Lab File: BF143281.D

Acq: 01 Aug 2025 14:37

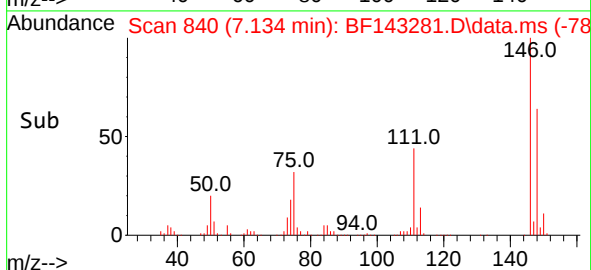
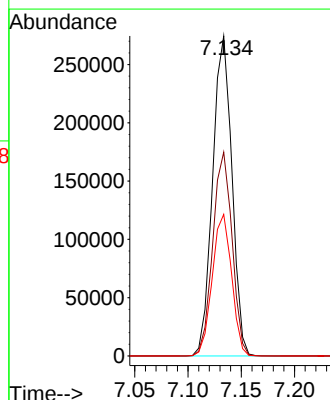
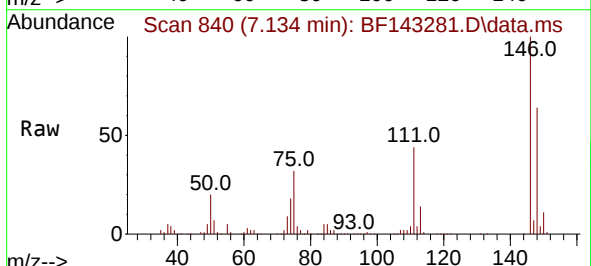
Tgt Ion:146 Resp: 344809

Ion Ratio Lower Upper

146 100

148 63.7 50.7 76.1

111 44.2 36.6 54.8

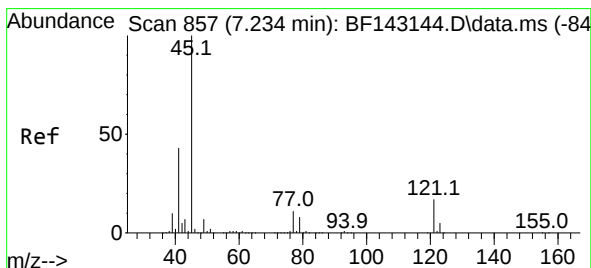
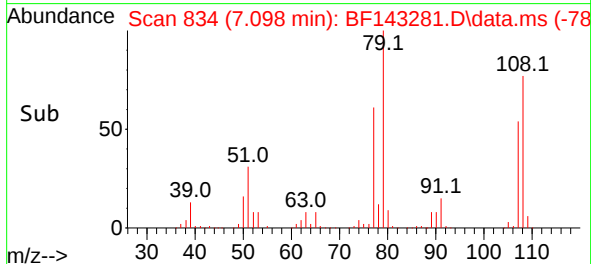
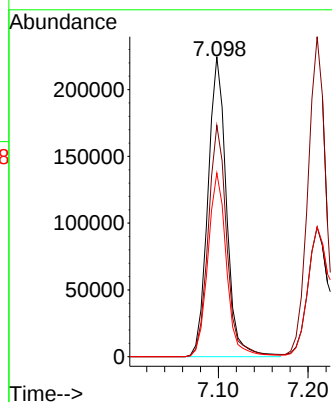
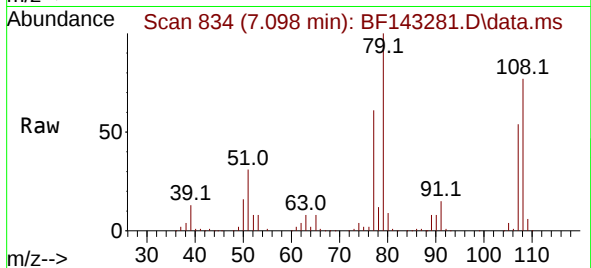




#15
Benzyl Alcohol
Concen: 47.257 ng
RT: 7.098 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

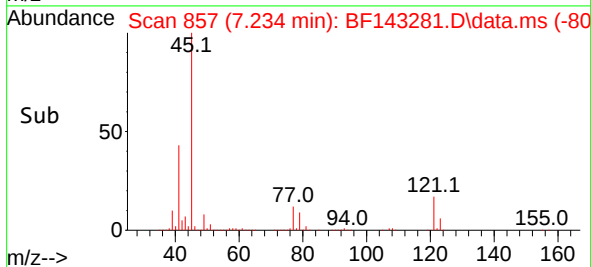
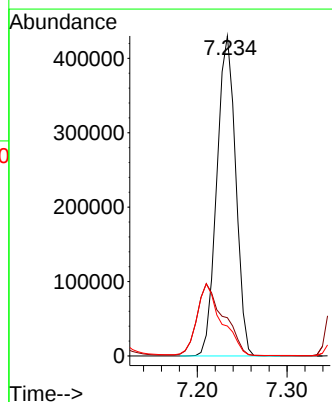
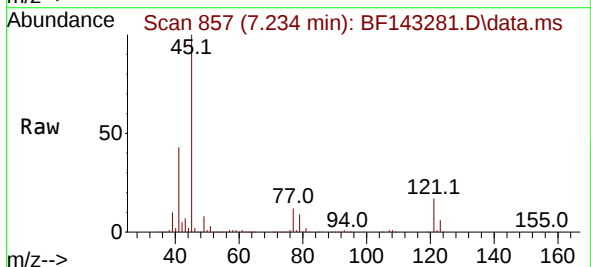
Instrument :
BNA_F
ClientSampleId :
PB169087BS

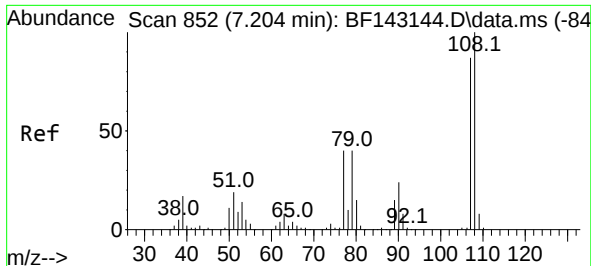
Tgt Ion: 79 Resp: 321266
Ion Ratio Lower Upper
79 100
108 77.1 61.1 91.7
77 61.3 48.9 73.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.555 ng
RT: 7.234 min Scan# 857
Delta R.T. -0.000 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

Tgt Ion: 45 Resp: 627582
Ion Ratio Lower Upper
45 100
77 12.0 0.0 31.2
79 9.4 0.0 28.5

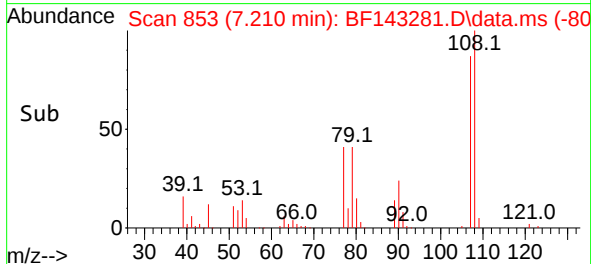
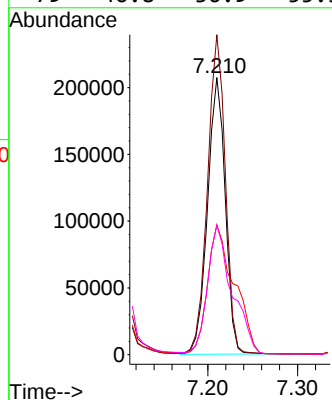
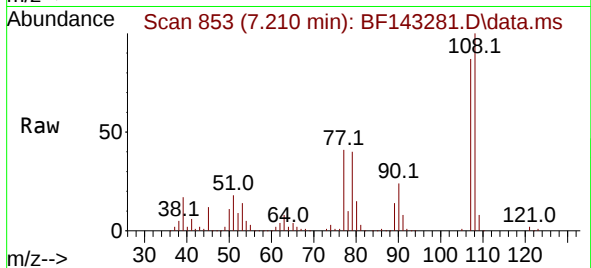




#17
2-Methylphenol
Concen: 45.628 ng
RT: 7.210 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

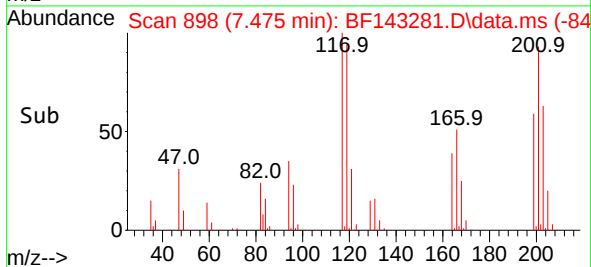
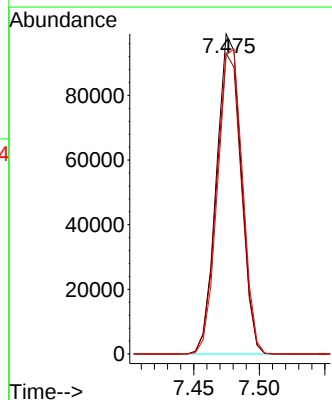
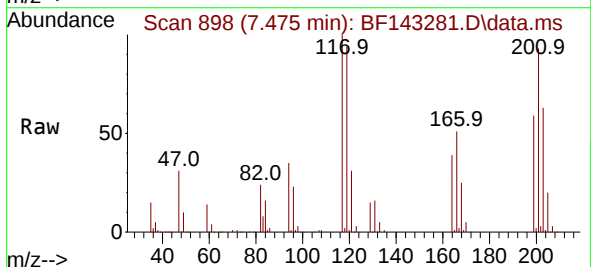
Instrument :
BNA_F
ClientSampleId :
PB169087BS

Tgt Ion:	107	Resp:	284459
Ion	Ratio	Lower	Upper
107	100		
108	115.5	91.8	137.6
77	46.8	37.0	55.6
79	46.8	36.9	55.3



#18
Hexachloroethane
Concen: 46.247 ng
RT: 7.475 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

Tgt Ion:	117	Resp:	129864
Ion	Ratio	Lower	Upper
117	100		
119	94.0	77.8	116.8
201	93.4	77.0	115.4

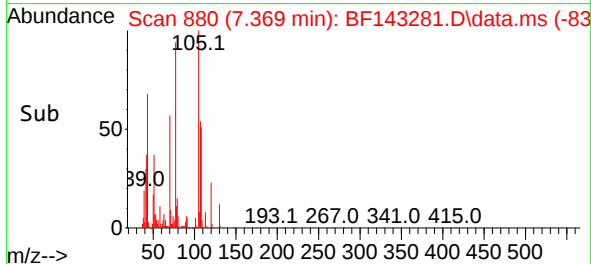
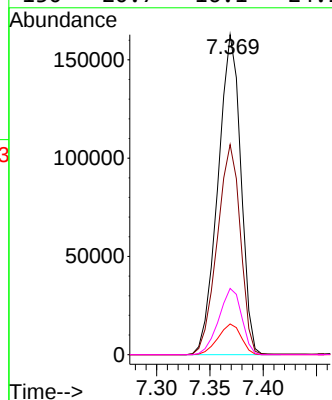
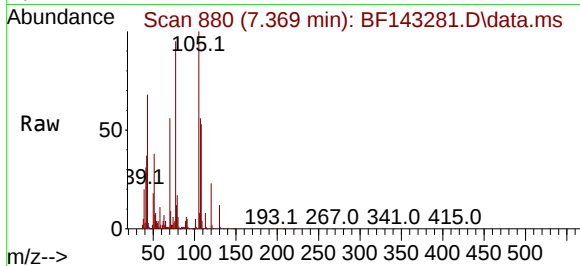




#19
n-Nitroso-di-n-propylamine
Concen: 42.573 ng
RT: 7.369 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

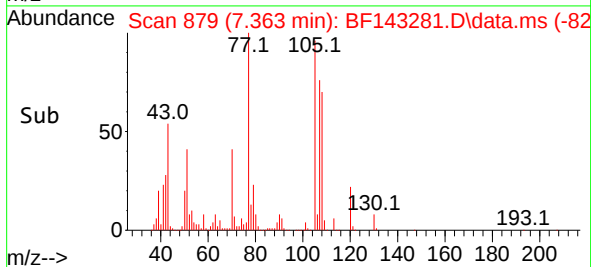
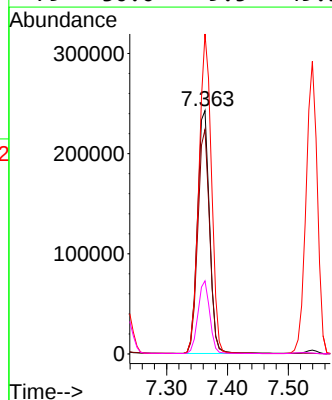
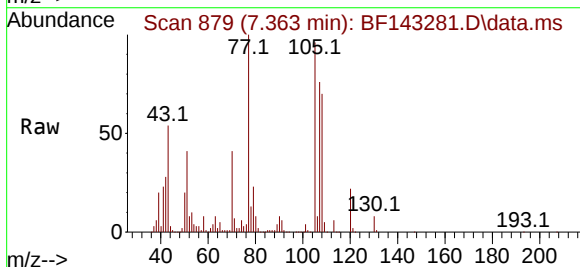
Instrument :
BNA_F
ClientSampleId :
PB169087BS

Tgt Ion:	70	Resp:	243183
Ion	Ratio	Lower	Upper
70	100		
42	65.6	52.5	78.7
101	9.6	7.6	11.4
130	20.7	16.1	24.1



#20
3+4-Methylphenols
Concen: 44.184 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

Tgt Ion:	107	Resp:	334201
Ion	Ratio	Lower	Upper
107	100		
108	92.2	70.0	110.0
77	131.5	57.8	97.8#
79	30.0	9.5	49.5

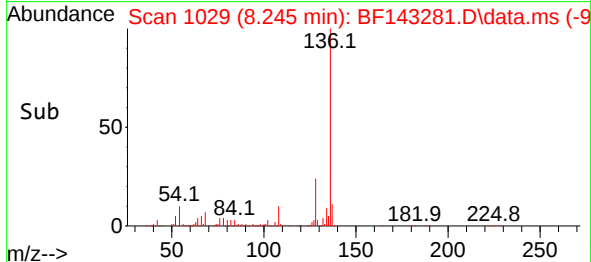
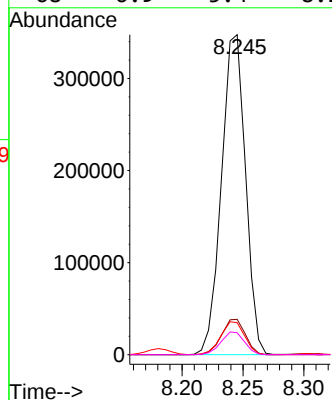
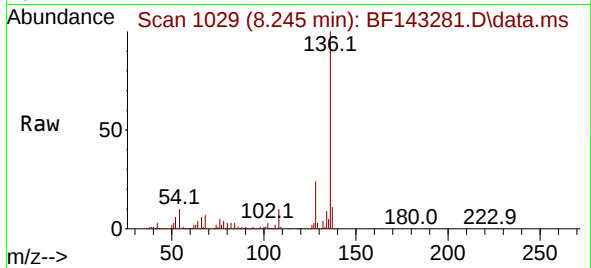




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

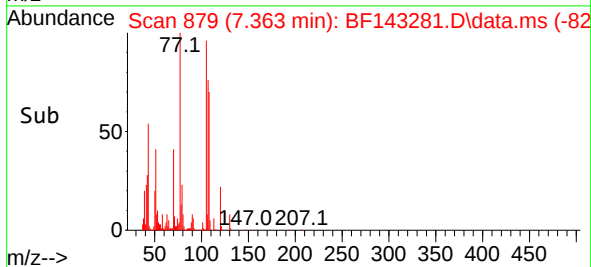
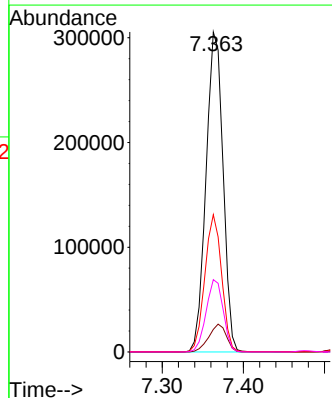
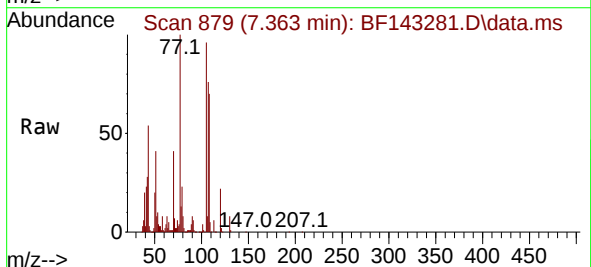
Instrument :
BNA_F
ClientSampleId :
PB169087BS

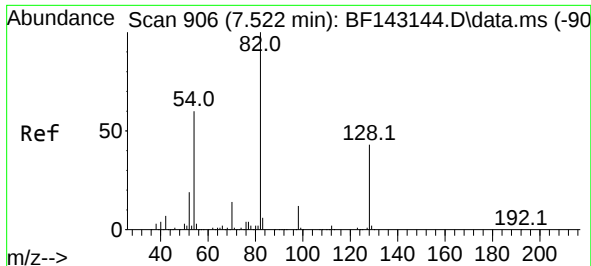
Tgt Ion:	136	Resp:	478481
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.0	8.2	12.2
68	6.9	5.4	8.2



#22
Acetophenone
Concen: 39.264 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.006 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

Tgt Ion:	105	Resp:	444791
Ion	Ratio	Lower	Upper
105	100		
71	7.0	5.8	8.6
51	42.9	30.2	45.2
120	22.6	18.2	27.4





#23

Nitrobenzene-d5

Concen: 78.200 ng

RT: 7.522 min Scan# 906

Delta R.T. -0.000 min

Lab File: BF143281.D

Acq: 01 Aug 2025 14:37

Instrument :

BNA_F

ClientSampleId :

PB169087BS

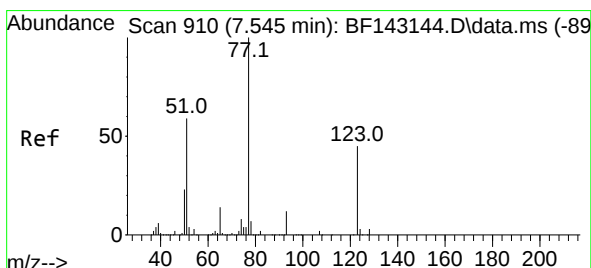
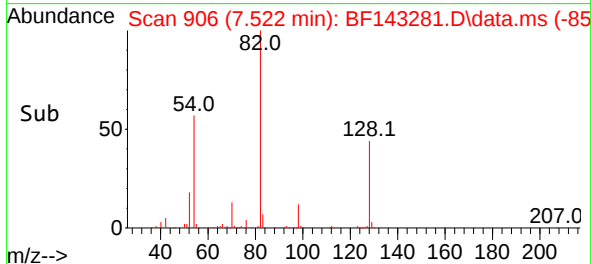
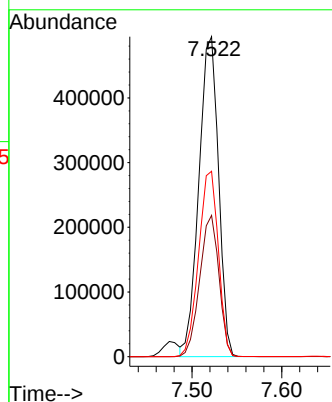
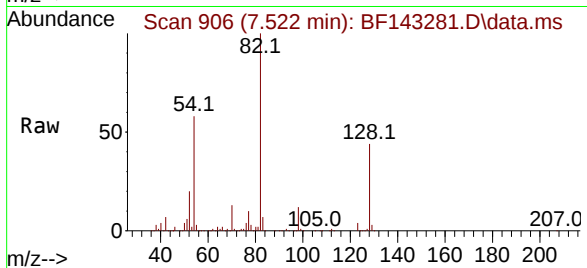
Tgt Ion: 82 Resp: 750639

Ion Ratio Lower Upper

82 100

128 44.1 33.6 50.4

54 57.9 47.1 70.7



#24

Nitrobenzene

Concen: 41.651 ng

RT: 7.539 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF143281.D

Acq: 01 Aug 2025 14:37

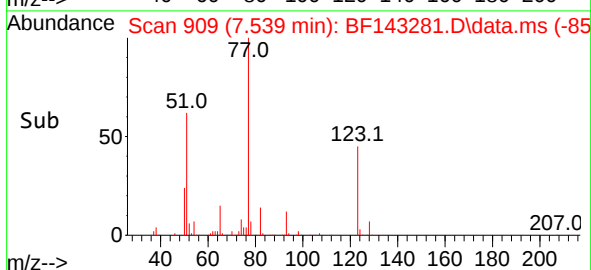
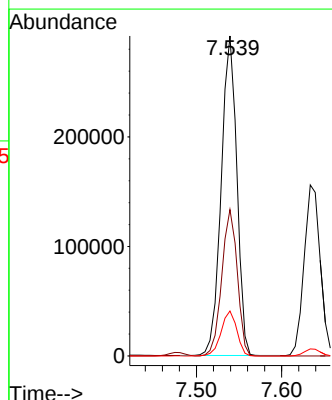
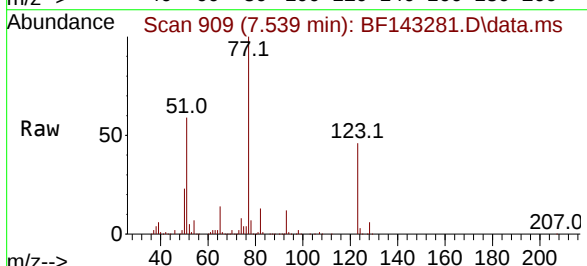
Tgt Ion: 77 Resp: 372746

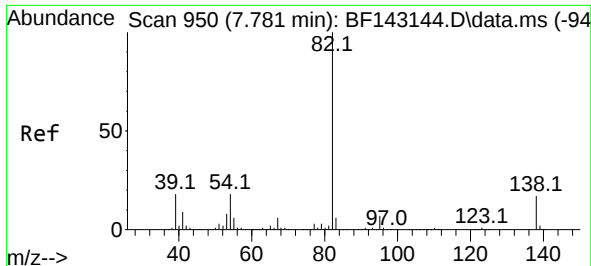
Ion Ratio Lower Upper

77 100

123 45.8 36.1 54.1

65 14.1 11.4 17.2

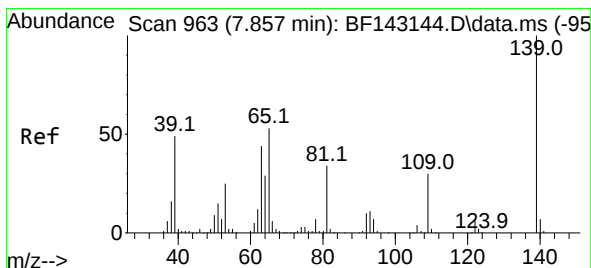
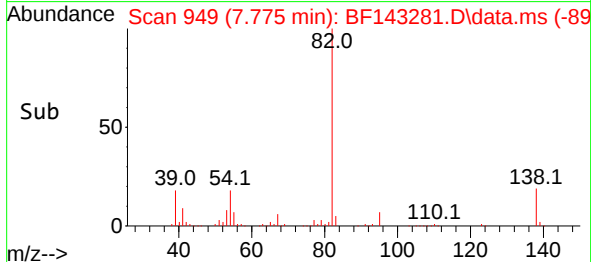
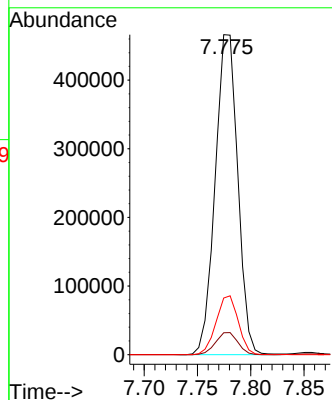
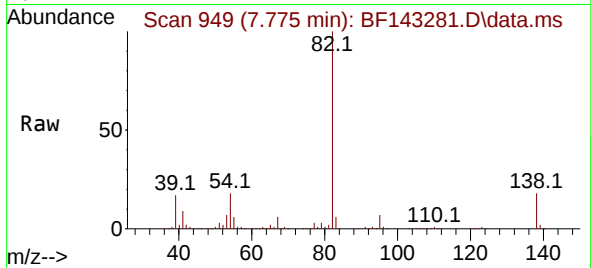




#25
Isophorone
Concen: 40.508 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.006 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

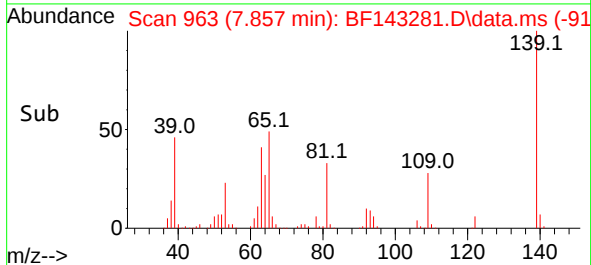
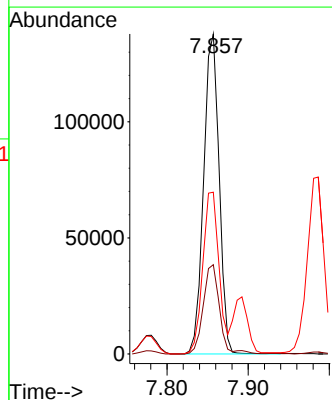
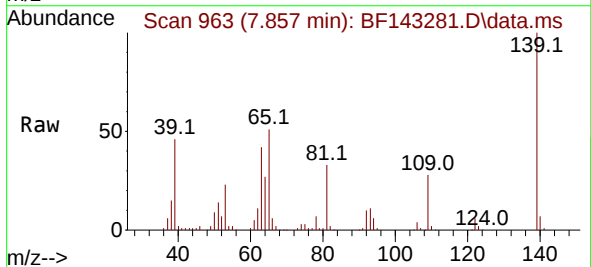
Instrument :
BNA_F
ClientSampleId :
PB169087BS

Tgt Ion: 82 Resp: 686428
Ion Ratio Lower Upper
82 100
95 6.9 5.5 8.3
138 17.7 13.8 20.8



#26
2-Nitrophenol
Concen: 46.963 ng
RT: 7.857 min Scan# 963
Delta R.T. -0.000 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

Tgt Ion:139 Resp: 182404
Ion Ratio Lower Upper
139 100
109 27.9 23.6 35.4
65 50.6 42.6 64.0

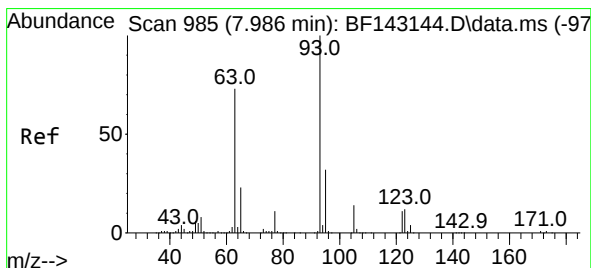
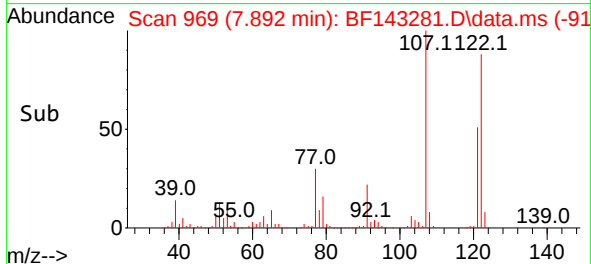
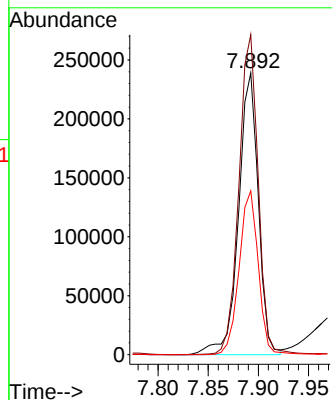
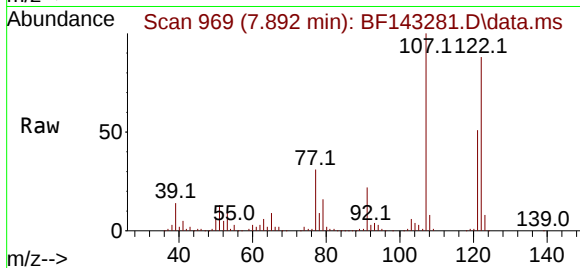




#27
2,4-Dimethylphenol
Concen: 41.462 ng
RT: 7.892 min Scan# 90
Delta R.T. 0.006 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

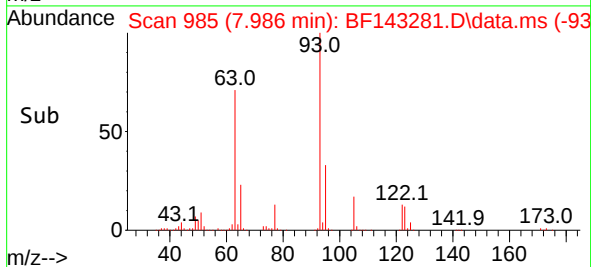
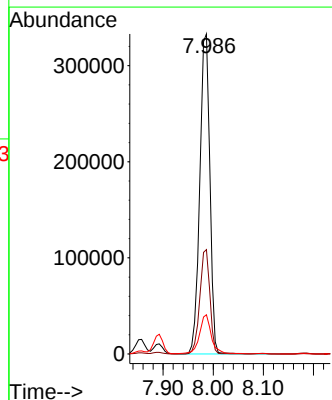
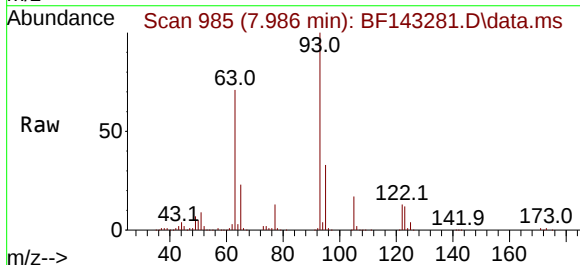
Instrument :
BNA_F
ClientSampleId :
PB169087BS

Tgt Ion:122 Resp: 328255
Ion Ratio Lower Upper
122 100
107 113.5 91.8 137.6
121 58.2 46.3 69.5



#28
bis(2-Chloroethoxy)methane
Concen: 45.619 ng
RT: 7.986 min Scan# 985
Delta R.T. -0.000 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

Tgt Ion: 93 Resp: 463479
Ion Ratio Lower Upper
93 100
95 32.6 25.8 38.6
123 12.2 9.7 14.5

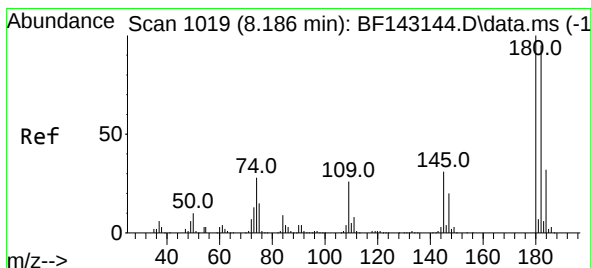
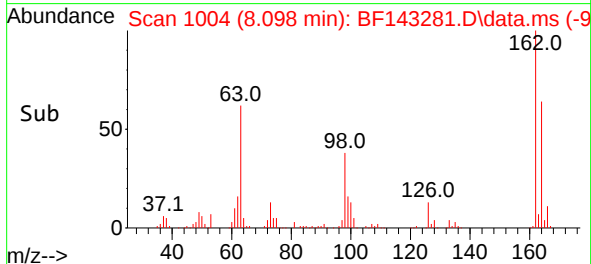
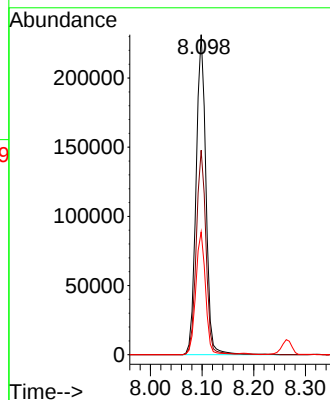
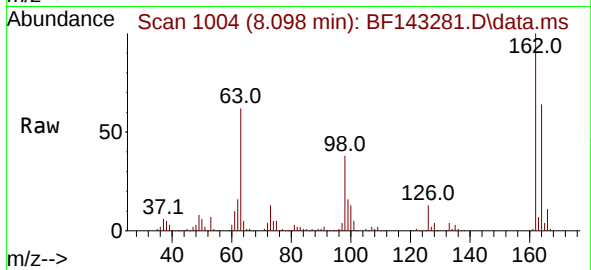




#29
2,4-Dichlorophenol
Concen: 45.869 ng
RT: 8.098 min Scan# 1004
Delta R.T. -0.000 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

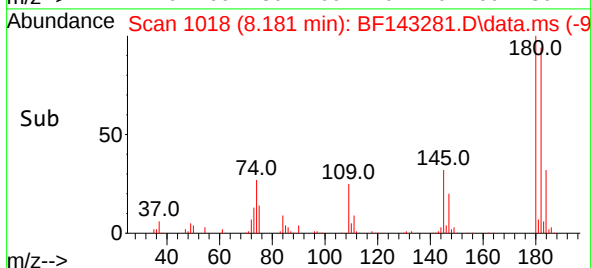
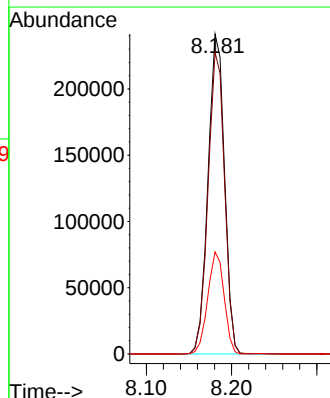
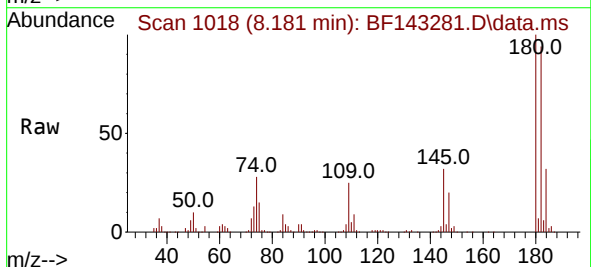
Instrument :
BNA_F
ClientSampleId :
PB169087BS

Tgt Ion:162 Resp: 306253
Ion Ratio Lower Upper
162 100
164 63.9 44.2 84.2
98 38.3 17.9 57.9



#30
1,2,4-Trichlorobenzene
Concen: 45.099 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

Tgt Ion:180 Resp: 325305
Ion Ratio Lower Upper
180 100
182 94.2 76.2 114.2
145 31.9 25.0 37.6

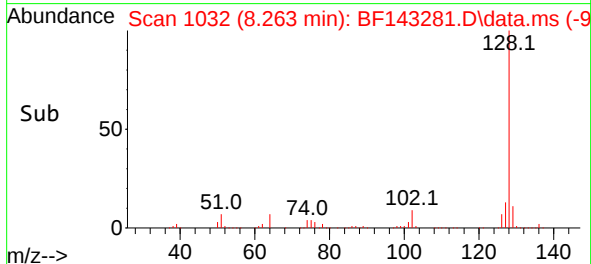
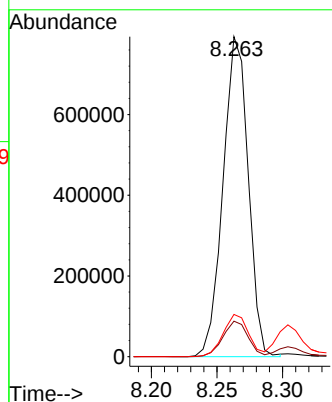
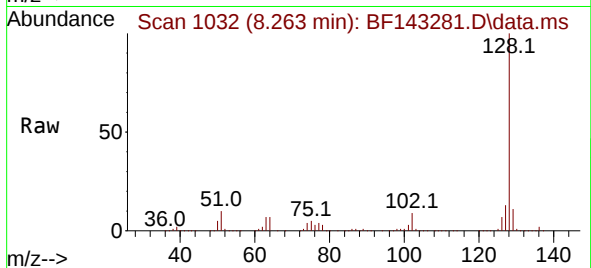




#31
Naphthalene
Concen: 44.936 ng
RT: 8.263 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

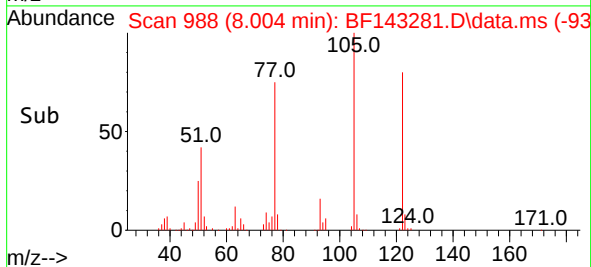
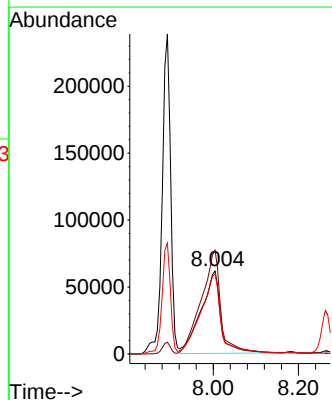
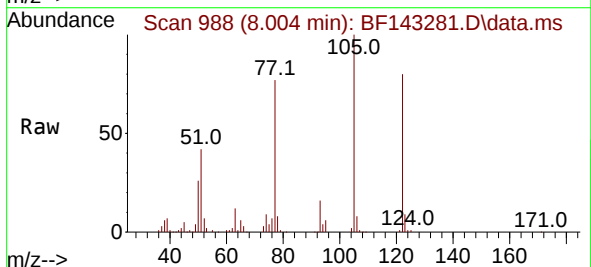
Instrument :
BNA_F
ClientSampleId :
PB169087BS

Tgt Ion:128 Resp: 1058902
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 13.2 10.6 16.0



#32
Benzoic acid
Concen: 45.114 ng
RT: 8.004 min Scan# 988
Delta R.T. 0.012 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

Tgt Ion:122 Resp: 199637
Ion Ratio Lower Upper
122 100
105 125.0 104.8 144.8
77 96.8 77.6 117.6

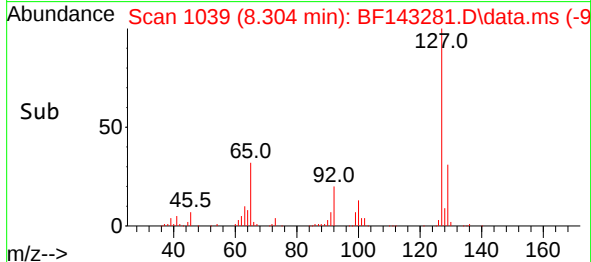
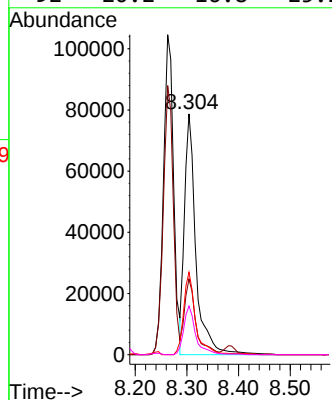
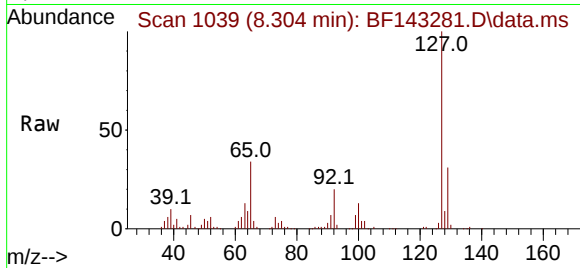




#33
4-Chloroaniline
Concen: 12.682 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

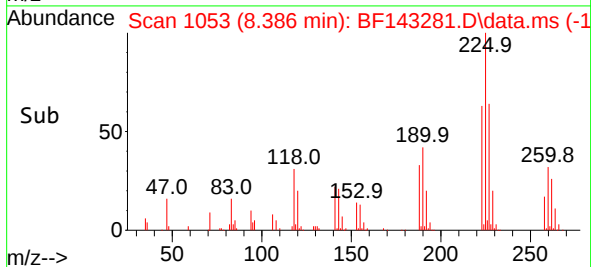
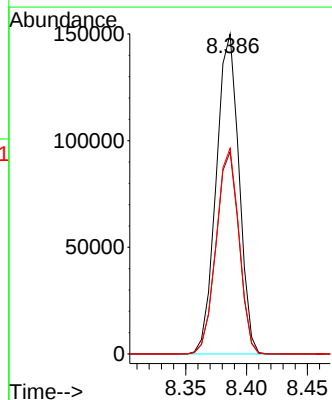
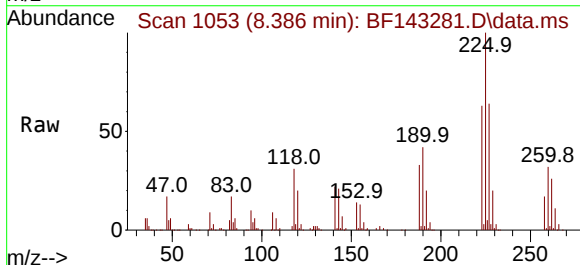
Instrument :
BNA_F
ClientSampleId :
PB169087BS

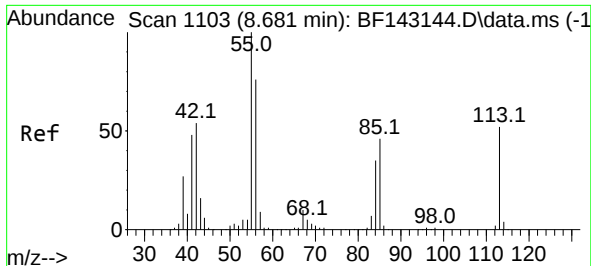
Tgt Ion	127	Resp:	122027
	Ratio	Lower	Upper
127	100		
129	31.4	26.0	39.0
65	34.3	27.4	41.2
92	20.2	16.8	25.2



#34
Hexachlorobutadiene
Concen: 44.289 ng
RT: 8.386 min Scan# 1053
Delta R.T. -0.000 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

Tgt Ion:225	Resp: 195150
Ion Ratio	Lower Upper
225 100	
223 63.2	49.8 74.6
227 64.3	50.2 75.4

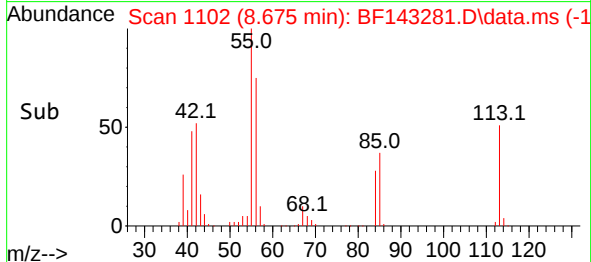
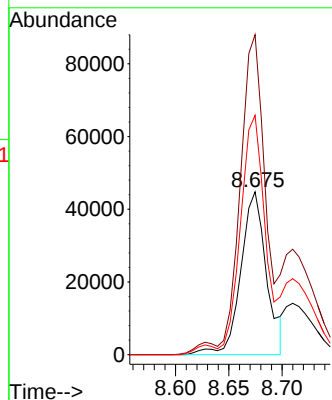
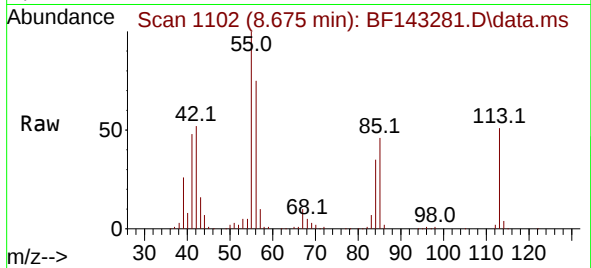




#35
 Caprolactam
 Concen: 37.211 ng
 RT: 8.675 min Scan# 1103
 Delta R.T. -0.006 min
 Lab File: BF143281.D
 Acq: 01 Aug 2025 14:37

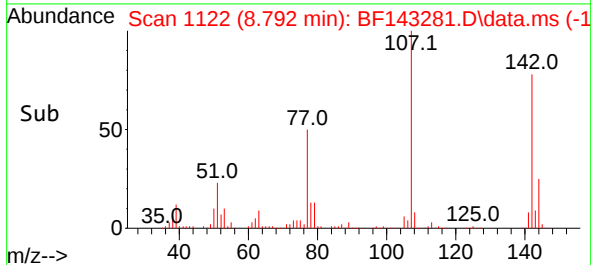
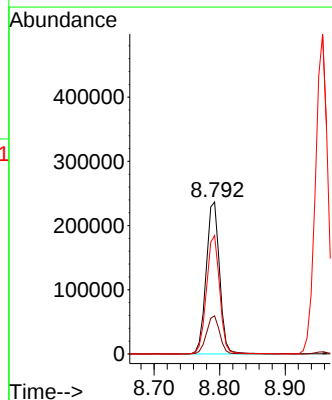
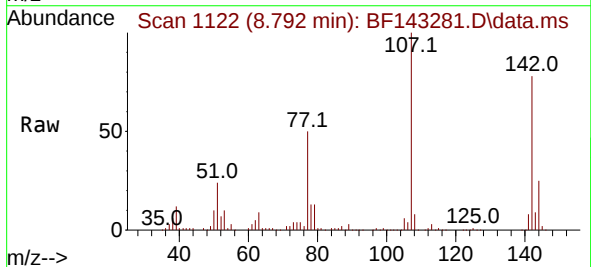
Instrument :
 BNA_F
 ClientSampleId :
 PB169087BS

Tgt Ion:113 Resp: 75075
 Ion Ratio Lower Upper
 113 100
 55 196.5 174.0 214.0
 56 147.0 126.6 166.6



#36
 4-Chloro-3-methylphenol
 Concen: 46.521 ng
 RT: 8.792 min Scan# 1122
 Delta R.T. 0.012 min
 Lab File: BF143281.D
 Acq: 01 Aug 2025 14:37

Tgt Ion:107 Resp: 337599
 Ion Ratio Lower Upper
 107 100
 144 25.1 19.8 29.6
 142 78.0 60.6 90.8

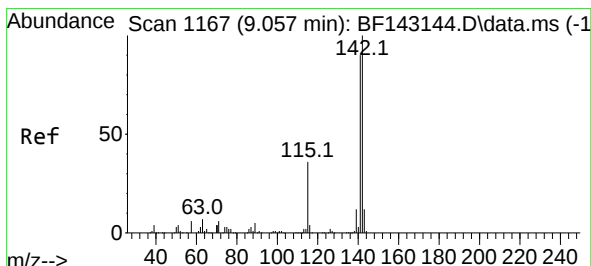
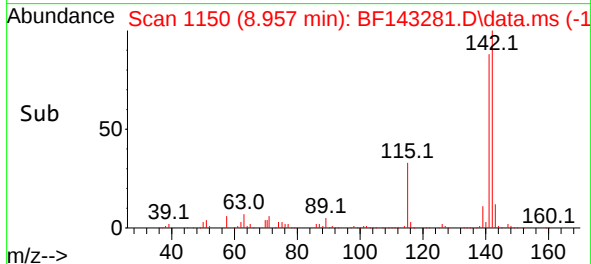
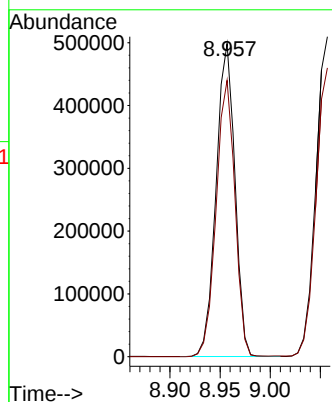
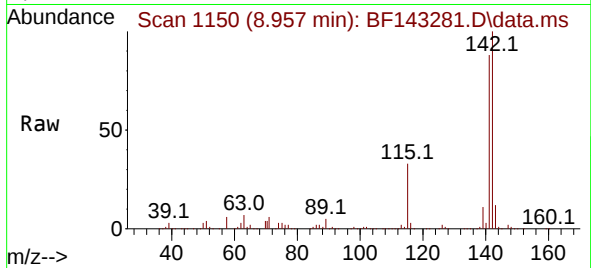




#37
2-Methylnaphthalene
Concen: 45.253 ng
RT: 8.957 min Scan# 1150
Delta R.T. -0.000 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

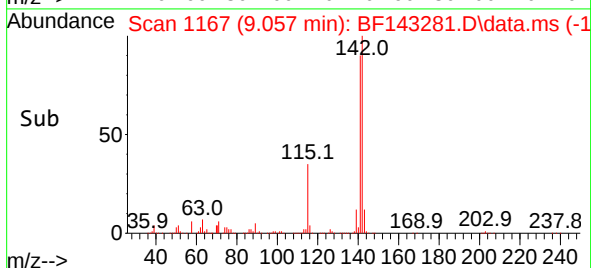
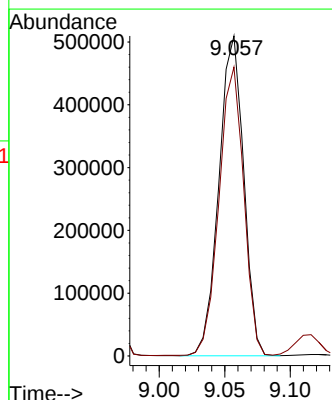
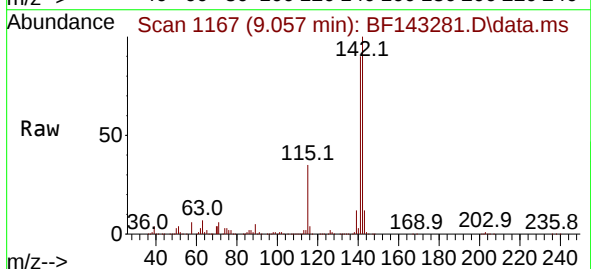
Instrument :
BNA_F
ClientSampleId :
PB169087BS

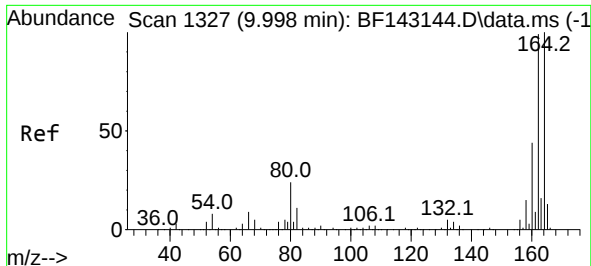
Tgt Ion:142 Resp: 648907
Ion Ratio Lower Upper
142 100
141 88.3 69.9 104.9



#38
1-Methylnaphthalene
Concen: 45.299 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.000 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

Tgt Ion:142 Resp: 668891
Ion Ratio Lower Upper
142 100
141 90.3 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: BF143281.D

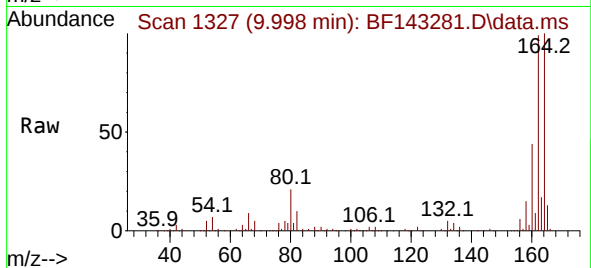
Acq: 01 Aug 2025 14:37

Instrument :

BNA_F

ClientSampleId :

PB169087BS



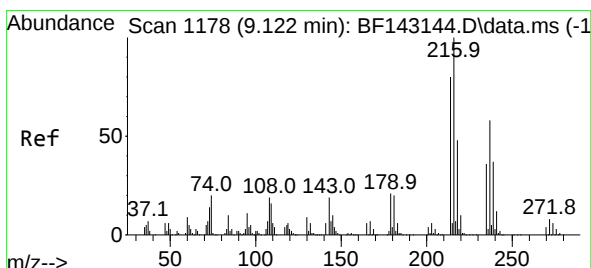
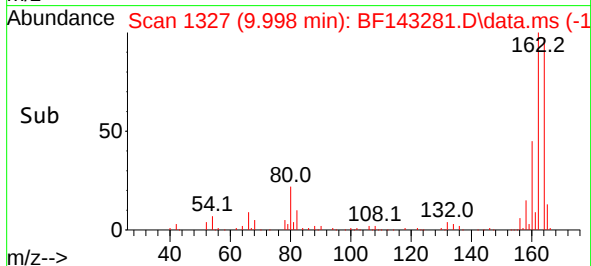
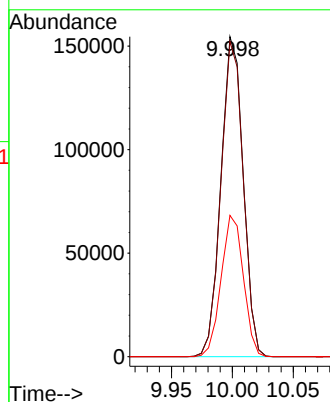
Tgt Ion:164 Resp: 196679

Ion Ratio Lower Upper

164 100

162 98.5 79.0 118.6

160 44.2 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 54.386 ng

RT: 9.128 min Scan# 1179

Delta R.T. 0.006 min

Lab File: BF143281.D

Acq: 01 Aug 2025 14:37

Tgt Ion:216 Resp: 308822

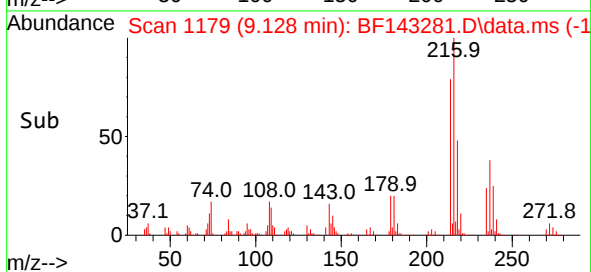
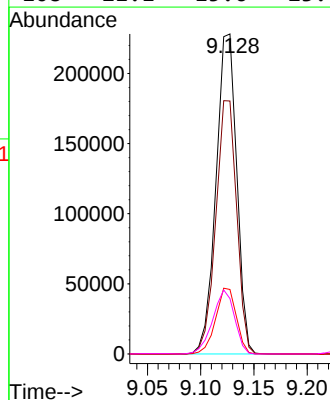
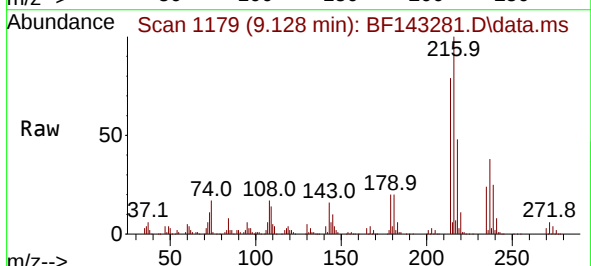
Ion Ratio Lower Upper

216 100

214 79.4 63.8 95.8

179 20.5 16.4 24.6

108 21.1 15.6 23.4

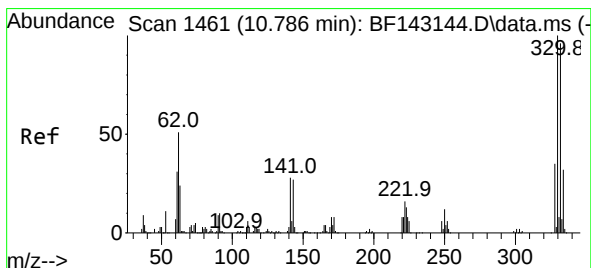
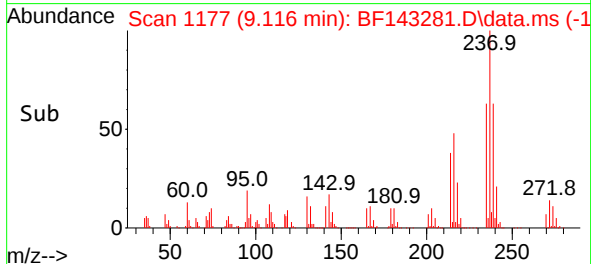
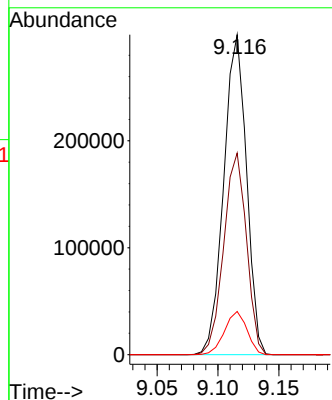
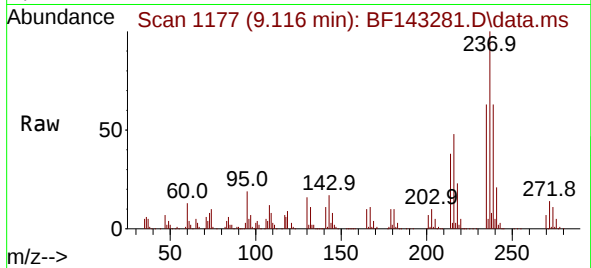




#41
Hexachlorocyclopentadiene
Concen: 105.377 ng
RT: 9.116 min Scan# 1177
Delta R.T. -0.000 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

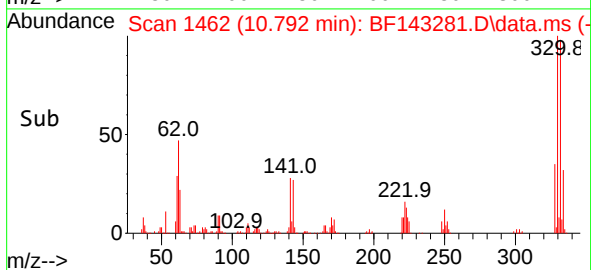
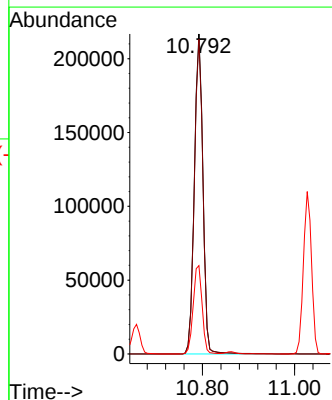
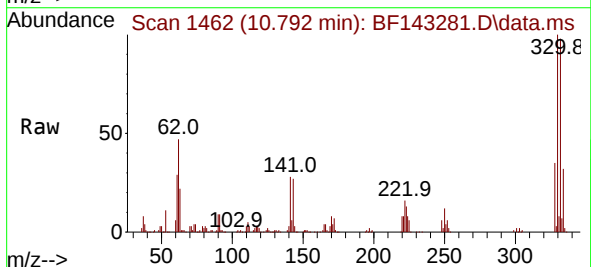
Instrument :
BNA_F
ClientSampleId :
PB169087BS

Tgt Ion:237 Resp: 389339
Ion Ratio Lower Upper
237 100
235 63.0 43.0 83.0
272 13.5 0.0 33.3



#42
2,4,6-Tribromophenol
Concen: 137.688 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.006 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

Tgt Ion:330 Resp: 279755
Ion Ratio Lower Upper
330 100
332 98.0 76.7 115.1
141 28.7 23.3 34.9

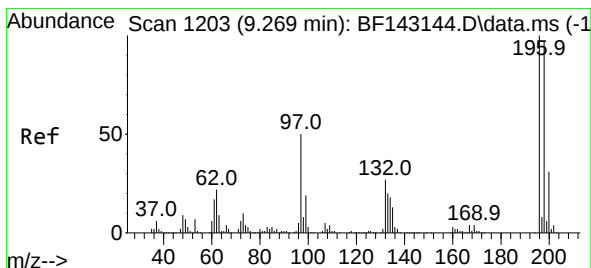
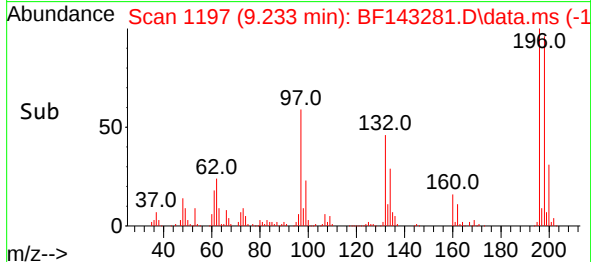
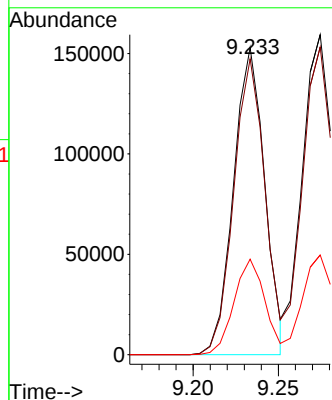
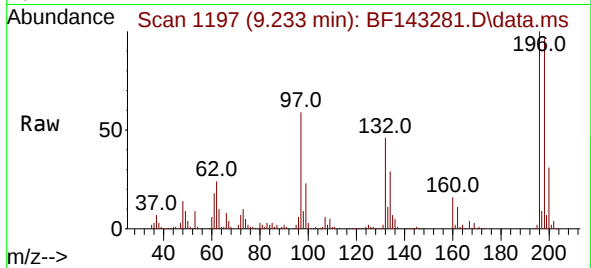




#43
 2,4,6-Trichlorophenol
 Concen: 49.476 ng
 RT: 9.233 min Scan# 1196
 Delta R.T. 0.006 min
 Lab File: BF143281.D
 Acq: 01 Aug 2025 14:37

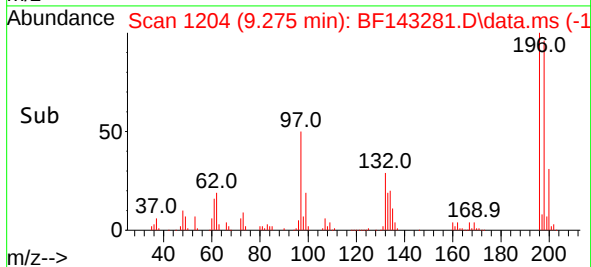
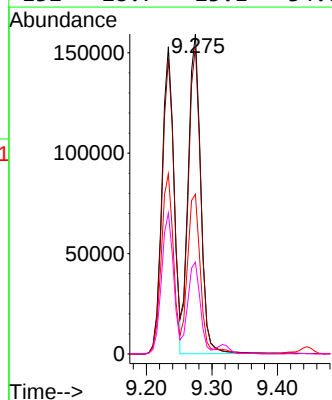
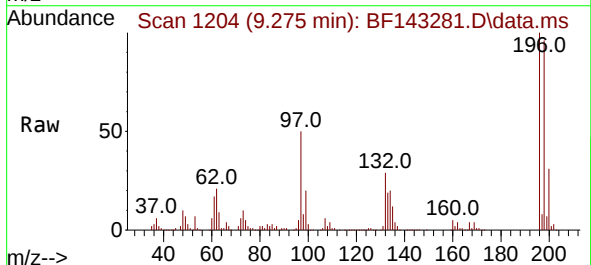
Instrument :
 BNA_F
 ClientSampleId :
 PB169087BS

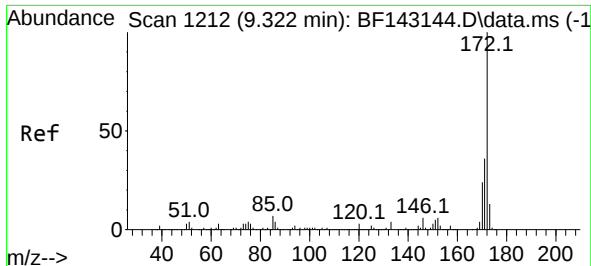
Tgt Ion:196 Resp: 194434
 Ion Ratio Lower Upper
 196 100
 198 96.3 76.2 114.2
 200 31.1 23.9 35.9



#44
 2,4,5-Trichlorophenol
 Concen: 53.255 ng
 RT: 9.275 min Scan# 1204
 Delta R.T. 0.006 min
 Lab File: BF143281.D
 Acq: 01 Aug 2025 14:37

Tgt Ion:196 Resp: 209348
 Ion Ratio Lower Upper
 196 100
 198 96.1 77.3 115.9
 97 49.9 40.3 60.5
 132 28.7 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 82.798 ng

RT: 9.316 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143281.D

Acq: 01 Aug 2025 14:37

Instrument :

BNA_F

ClientSampleId :

PB169087BS

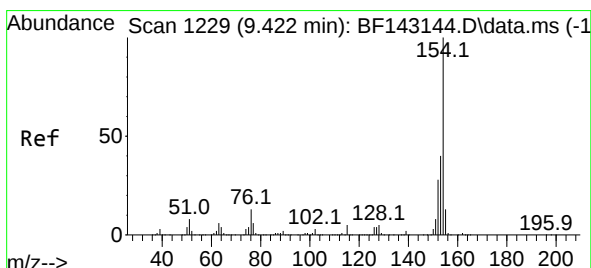
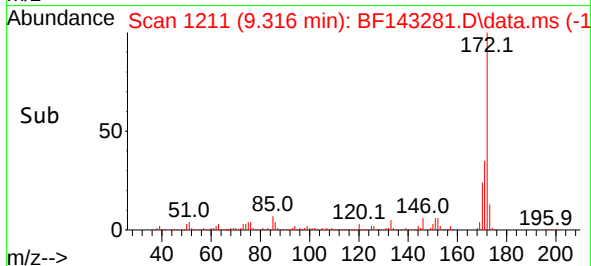
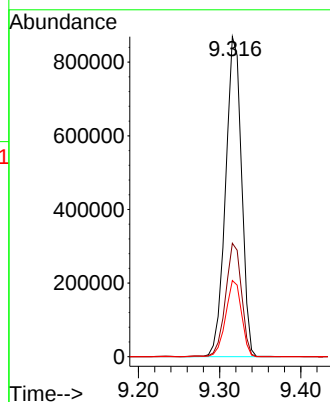
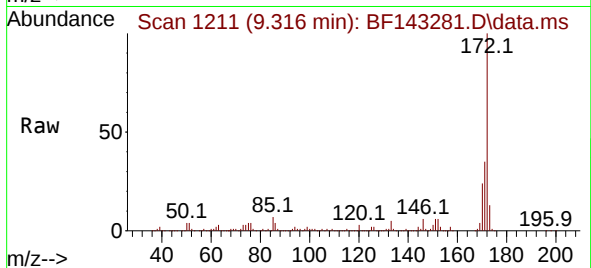
Tgt Ion:172 Resp: 1190719

Ion Ratio Lower Upper

172 100

171 35.5 28.6 42.8

170 23.8 18.8 28.2



#46

1,1'-Biphenyl

Concen: 45.345 ng

RT: 9.422 min Scan# 1229

Delta R.T. -0.000 min

Lab File: BF143281.D

Acq: 01 Aug 2025 14:37

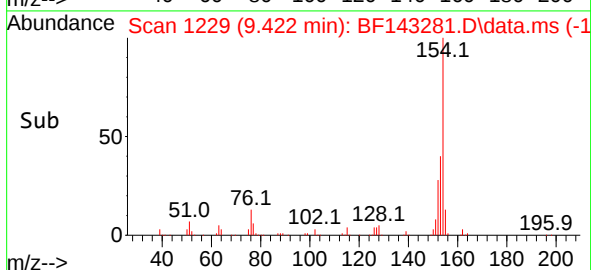
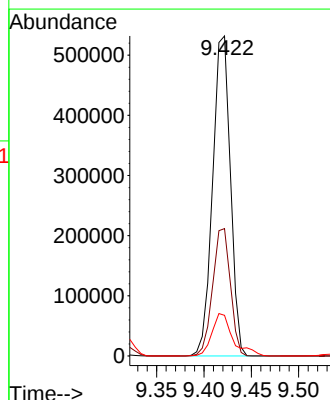
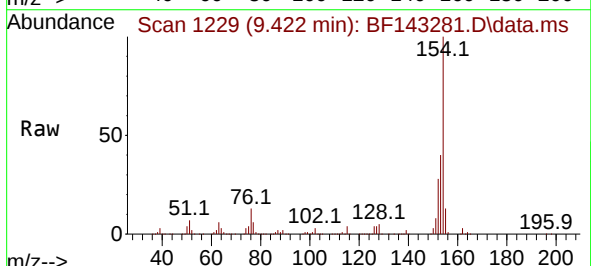
Tgt Ion:154 Resp: 695805

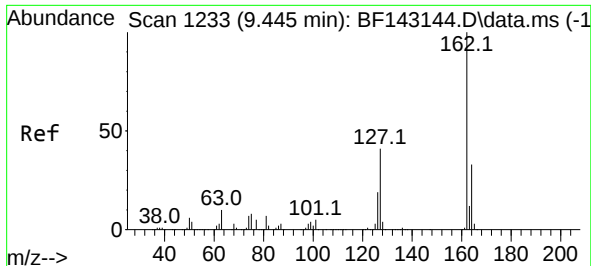
Ion Ratio Lower Upper

154 100

153 39.8 20.3 60.3

76 12.7 0.0 33.3





#47

2-Chloronaphthalene

Concen: 44.926 ng

RT: 9.445 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143281.D

Acq: 01 Aug 2025 14:37

Instrument :

BNA_F

ClientSampleId :

PB169087BS

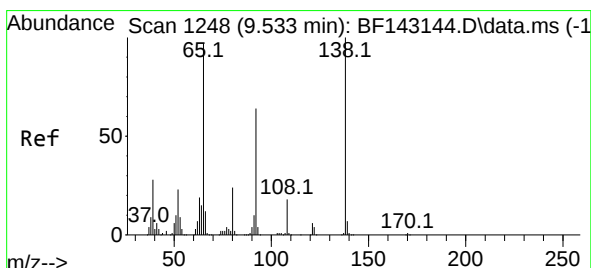
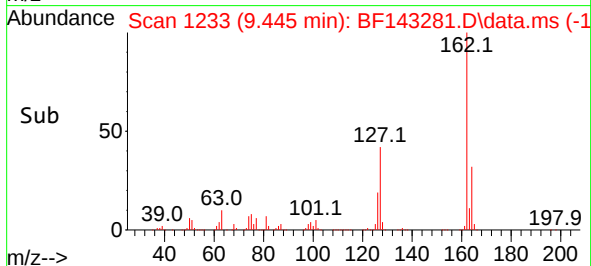
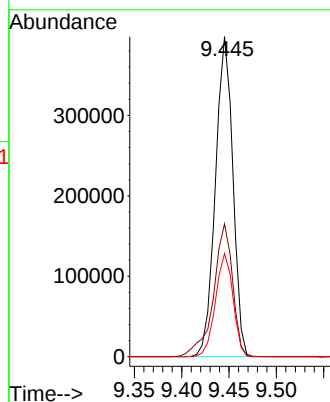
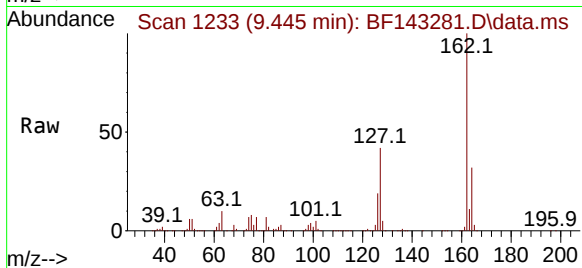
Tgt Ion:162 Resp: 510087

Ion Ratio Lower Upper

162 100

127 41.5 33.4 50.2

164 32.2 26.2 39.2



#48

2-Nitroaniline

Concen: 48.390 ng

RT: 9.533 min Scan# 1248

Delta R.T. -0.000 min

Lab File: BF143281.D

Acq: 01 Aug 2025 14:37

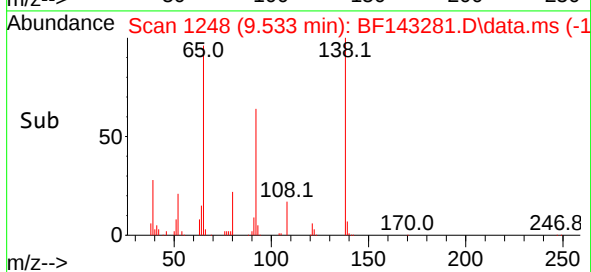
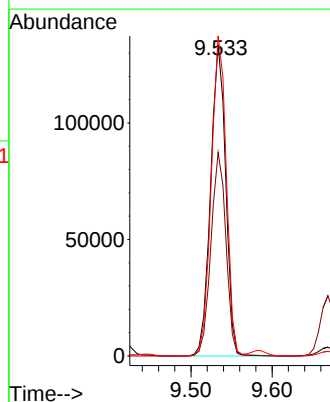
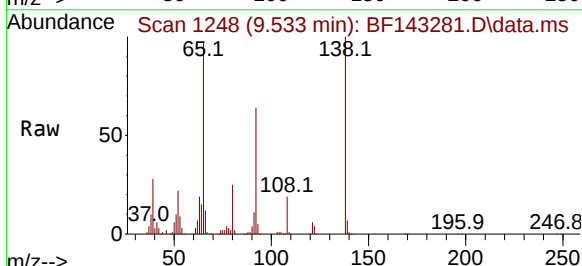
Tgt Ion: 65 Resp: 172299

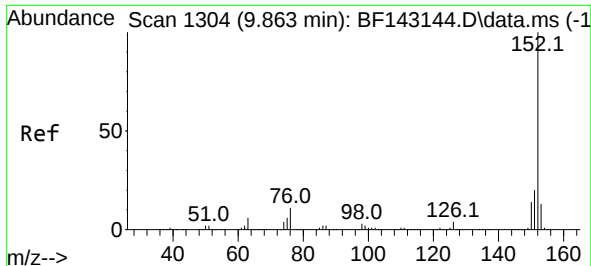
Ion Ratio Lower Upper

65 100

92 65.4 52.4 78.6

138 102.8 82.3 123.5

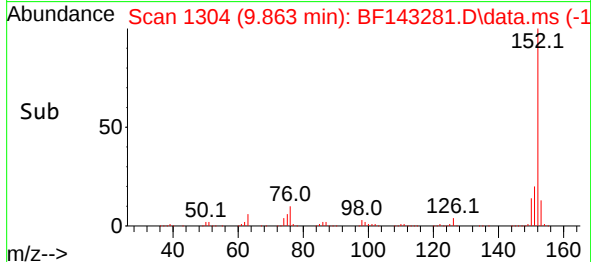
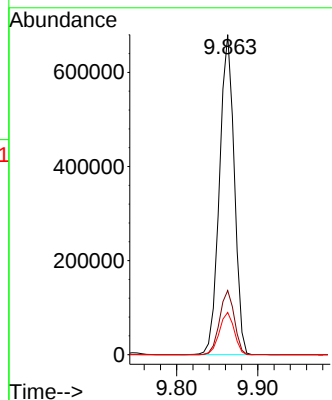
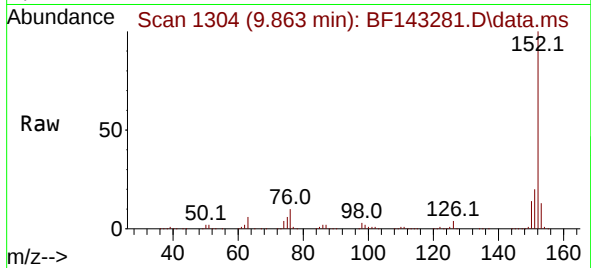




#49
Acenaphthylene
Concen: 45.433 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

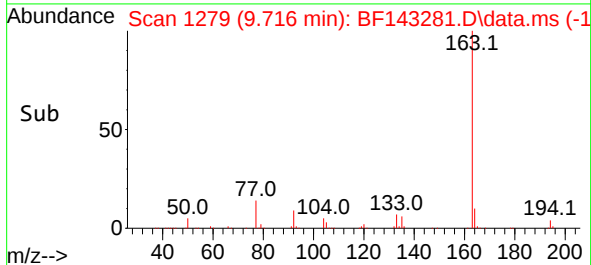
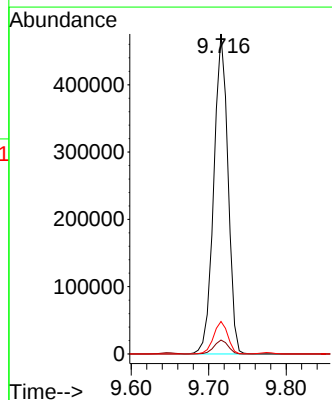
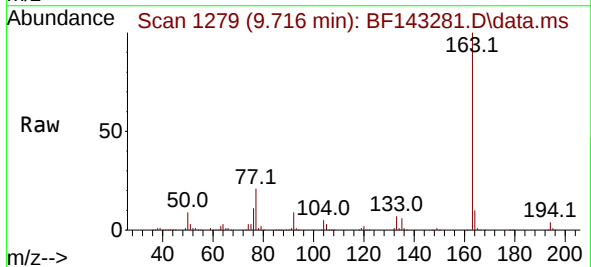
Instrument :
BNA_F
ClientSampleId :
PB169087BS

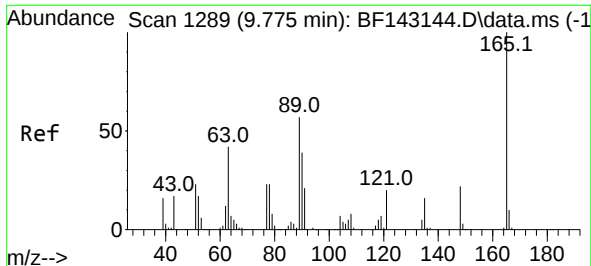
Tgt Ion:152 Resp: 864483
Ion Ratio Lower Upper
152 100
151 20.1 16.2 24.2
153 13.2 10.6 16.0



#50
Dimethylphthalate
Concen: 47.120 ng
RT: 9.716 min Scan# 1279
Delta R.T. -0.000 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

Tgt Ion:163 Resp: 604078
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.2
164 10.2 8.3 12.5

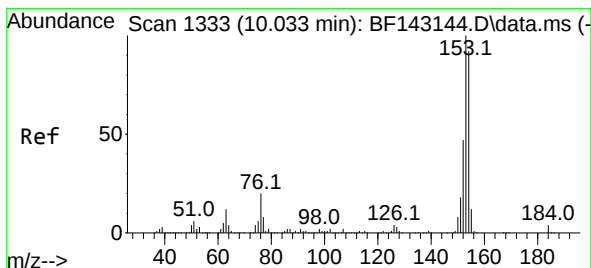
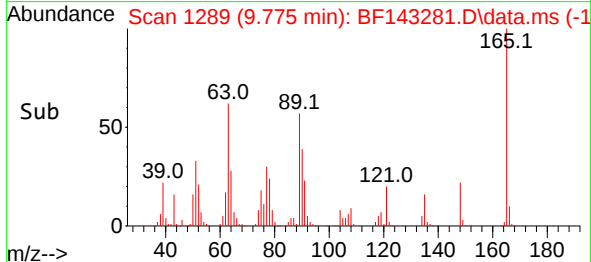
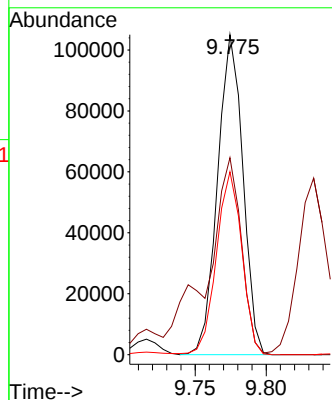
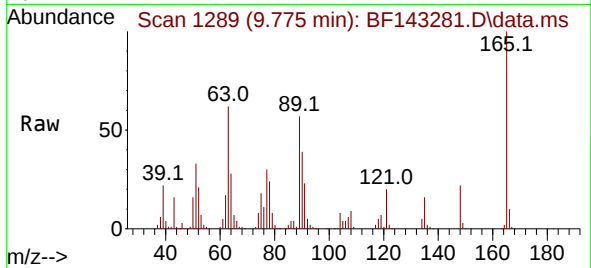




#51
2,6-Dinitrotoluene
Concen: 49.852 ng
RT: 9.775 min Scan# 1289
Delta R.T. -0.000 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

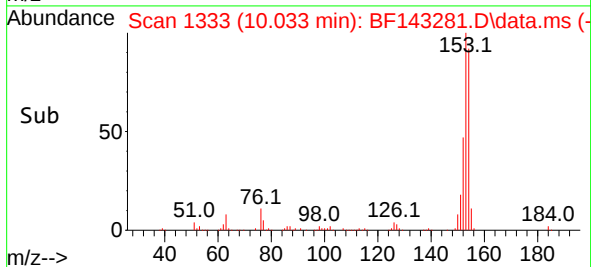
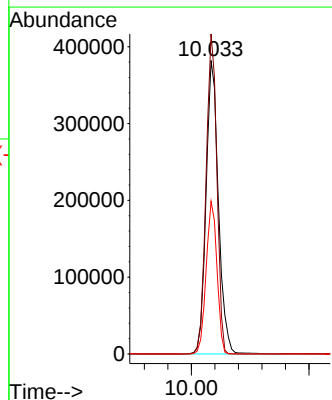
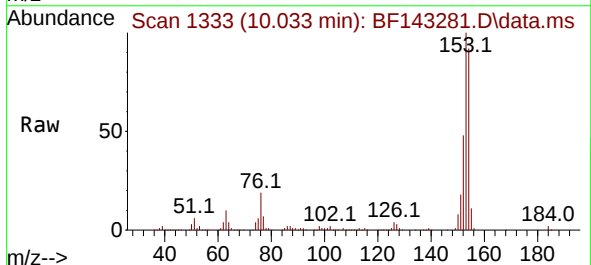
Instrument :
BNA_F
ClientSampleId :
PB169087BS

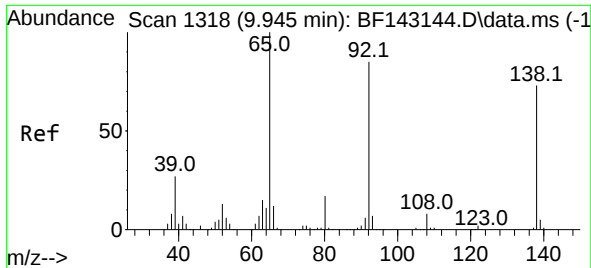
Tgt Ion:165 Resp: 130014
Ion Ratio Lower Upper
165 100
63 61.6 49.4 74.2
89 57.1 46.2 69.2



#52
Acenaphthene
Concen: 49.392 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.000 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

Tgt Ion:154 Resp: 555470
Ion Ratio Lower Upper
154 100
153 109.0 86.6 129.8
152 52.0 40.4 60.6

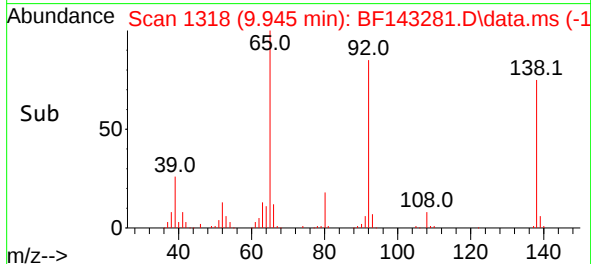
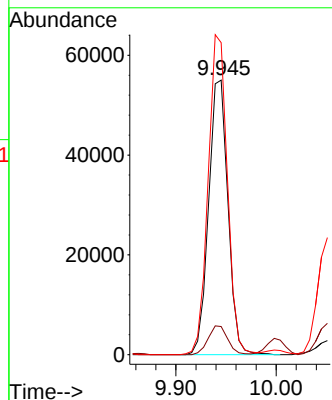
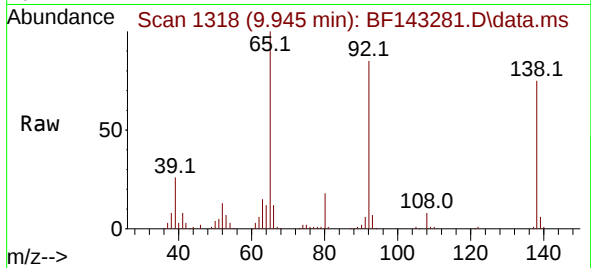




#53
3-Nitroaniline
Concen: 24.137 ng
RT: 9.945 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

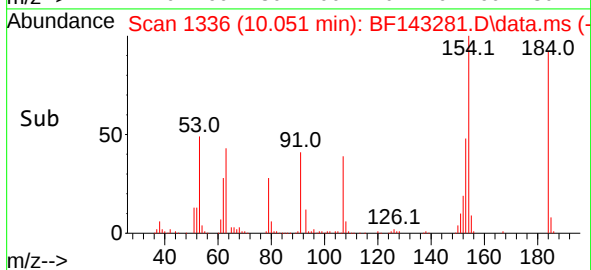
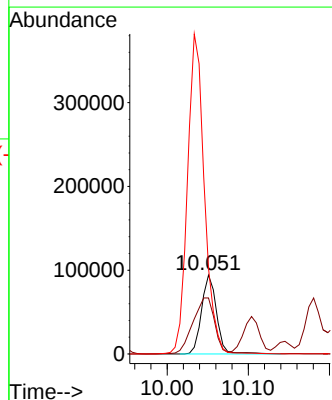
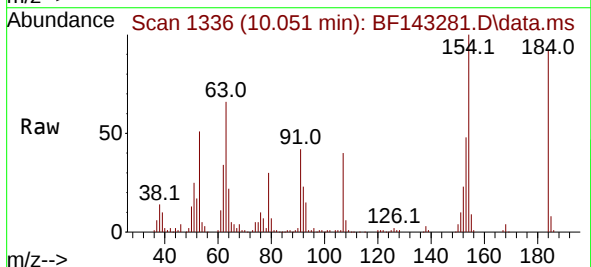
Instrument :
BNA_F
ClientSampleId :
PB169087BS

Tgt Ion:138 Resp: 73630
Ion Ratio Lower Upper
138 100
108 10.3 9.0 13.6
92 113.6 93.0 139.4



#54
2,4-Dinitrophenol
Concen: 100.966 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

Tgt Ion:184 Resp: 121594
Ion Ratio Lower Upper
184 100
63 71.0 81.8 122.6#
154 108.2 412.2 618.4#

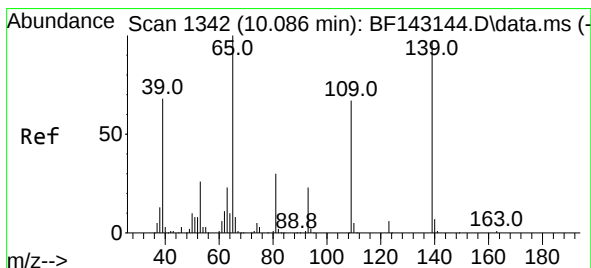
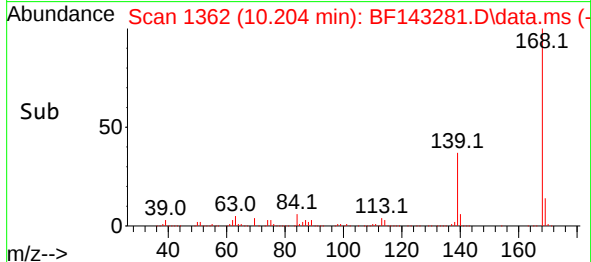
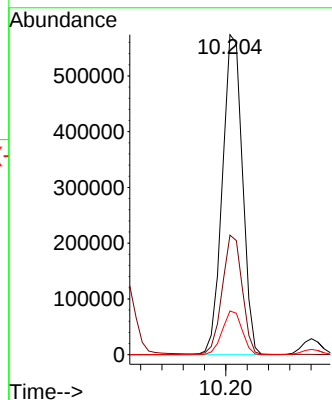
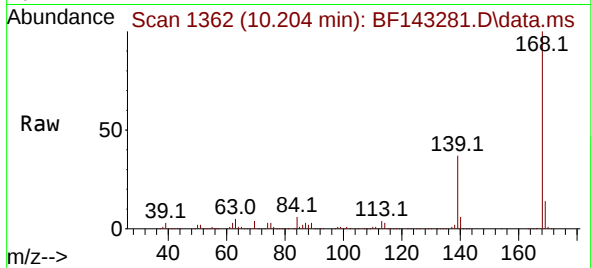




#55
Dibenzofuran
Concen: 44.767 ng
RT: 10.204 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

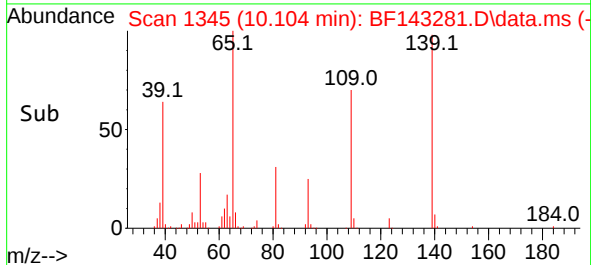
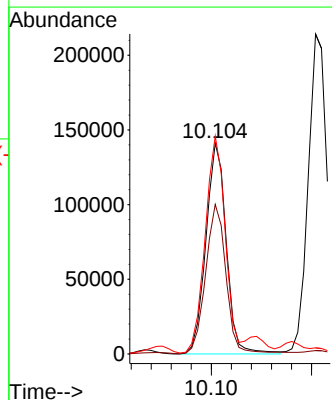
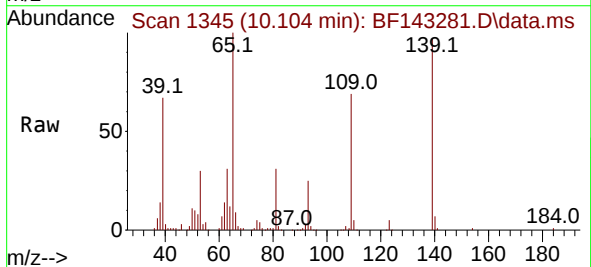
Instrument :
BNA_F
ClientSampleId :
PB169087BS

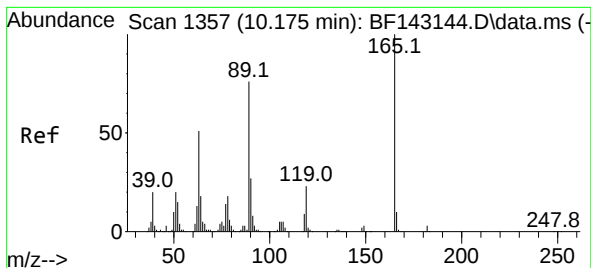
Tgt Ion:168 Resp: 747478
Ion Ratio Lower Upper
168 100
139 37.3 29.5 44.3
169 13.6 10.9 16.3



#56
4-Nitrophenol
Concen: 87.654 ng
RT: 10.104 min Scan# 1345
Delta R.T. 0.018 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

Tgt Ion:139 Resp: 199667
Ion Ratio Lower Upper
139 100
109 70.9 48.5 88.5
65 103.3 83.4 123.4

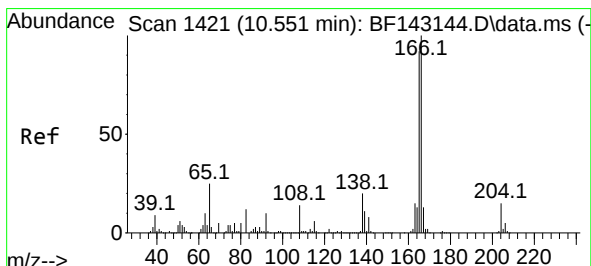
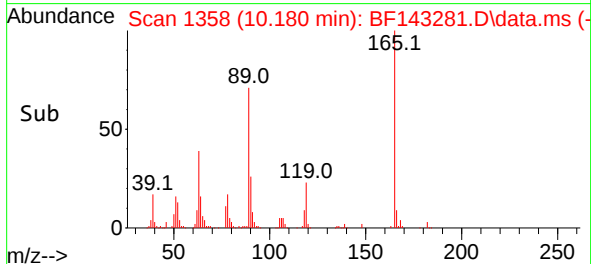
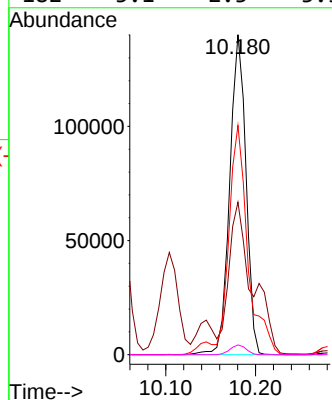
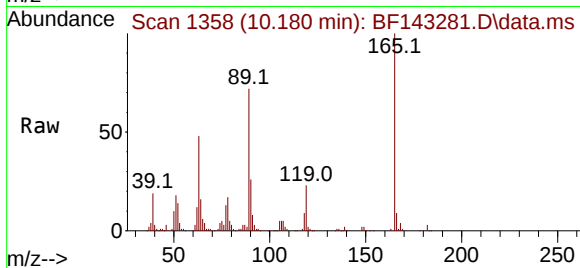




#57
2,4-Dinitrotoluene
Concen: 53.697 ng
RT: 10.180 min Scan# 1358
Delta R.T. 0.006 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

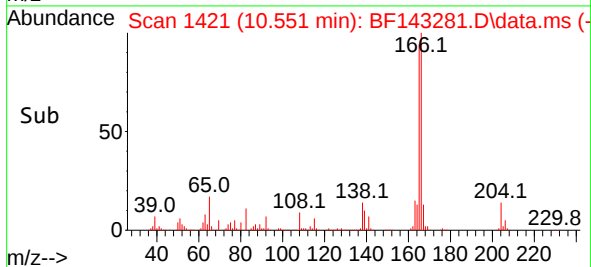
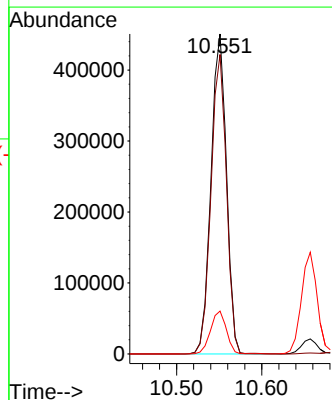
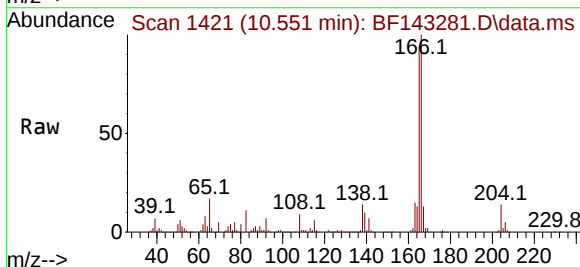
Instrument :
BNA_F
ClientSampleId :
PB169087BS

Tgt Ion:165 Resp: 175695
Ion Ratio Lower Upper
165 100
63 47.6 41.0 61.4
89 71.7 61.1 91.7
182 3.1 2.3 3.5



#58
Fluorene
Concen: 45.504 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

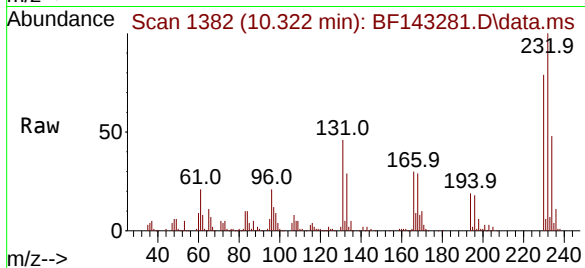
Tgt Ion:166 Resp: 570237
Ion Ratio Lower Upper
166 100
165 93.6 73.7 110.5
167 13.4 10.6 16.0



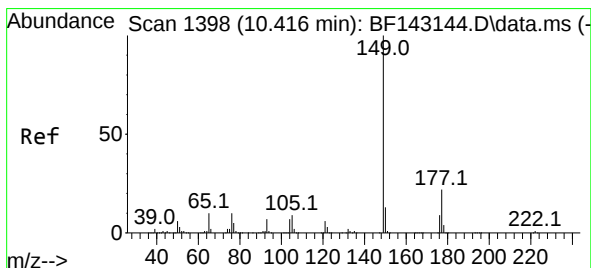
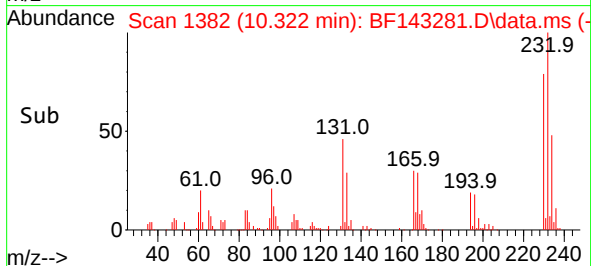
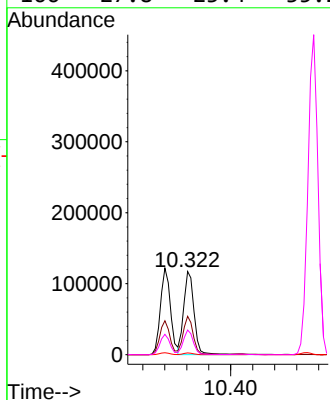


#59
2,3,4,6-Tetrachlorophenol
Concen: 47.190 ng
RT: 10.322 min Scan# 1382
Delta R.T. -0.000 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

Instrument :
BNA_F
ClientSampleId :
PB169087BS

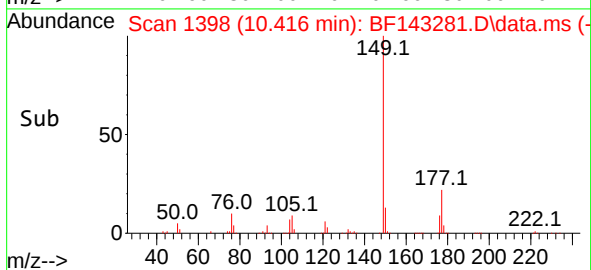
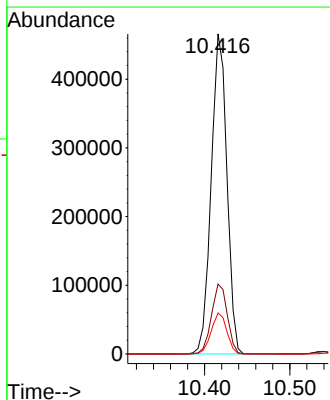
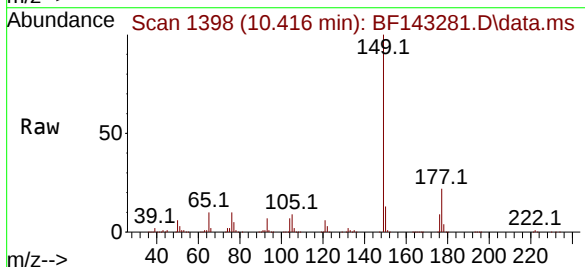


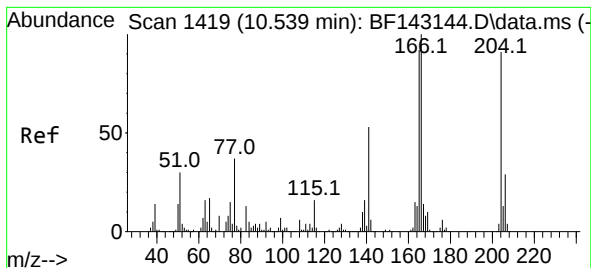
Tgt Ion:232 Resp: 153666
Ion Ratio Lower Upper
232 100
131 45.9 35.3 52.9
130 2.0 1.7 2.5
166 27.8 23.4 35.2



#60
Diethylphthalate
Concen: 47.165 ng
RT: 10.416 min Scan# 1398
Delta R.T. -0.000 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

Tgt Ion:149 Resp: 597644
Ion Ratio Lower Upper
149 100
177 21.9 17.5 26.3
150 12.8 10.2 15.2

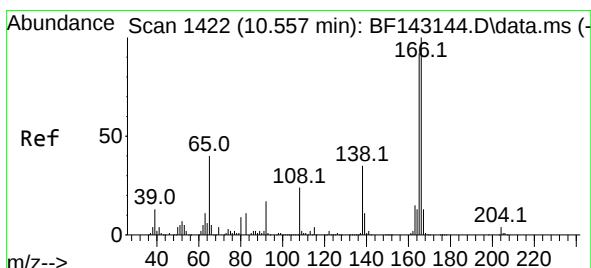
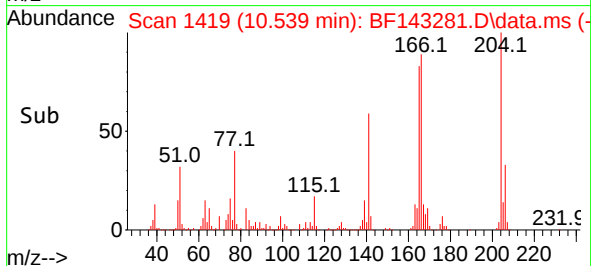
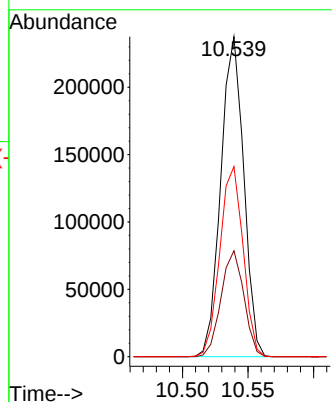
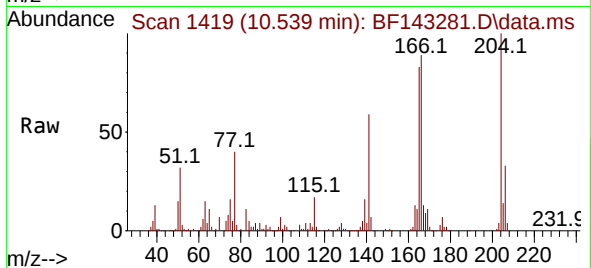




#61
4-Chlorophenyl-phenylether
Concen: 46.208 ng
RT: 10.539 min Scan# 1419
Delta R.T. -0.000 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

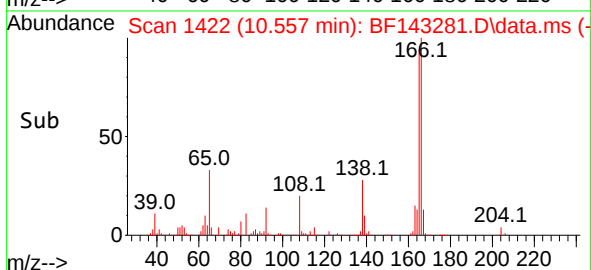
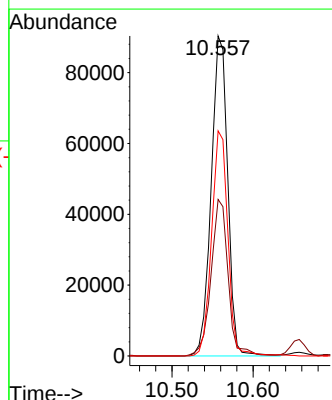
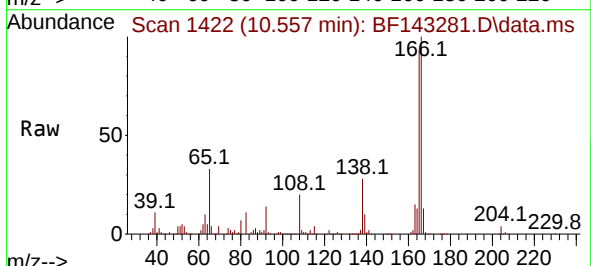
Instrument :
BNA_F
ClientSampleId :
PB169087BS

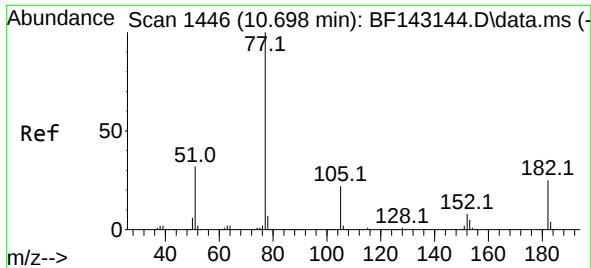
Tgt Ion:204 Resp: 288333
Ion Ratio Lower Upper
204 100
206 33.1 25.8 38.8
141 59.4 47.0 70.4



#62
4-Nitroaniline
Concen: 48.788 ng
RT: 10.557 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

Tgt Ion:138 Resp: 127551
Ion Ratio Lower Upper
138 100
92 48.9 29.3 69.3
108 70.4 48.3 88.3

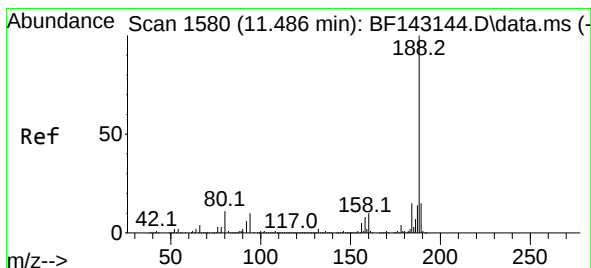
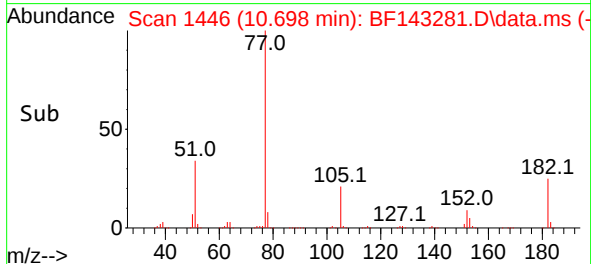
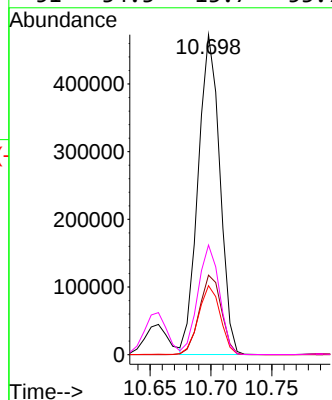
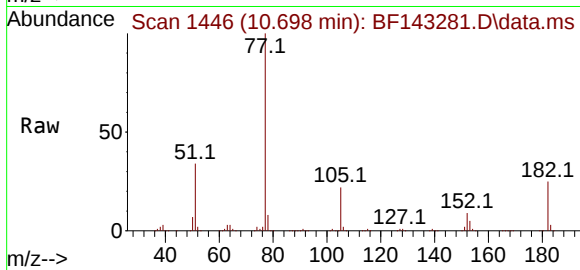




#63
Azobenzene
Concen: 44.437 ng
RT: 10.698 min Scan# 1446
Delta R.T. -0.000 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

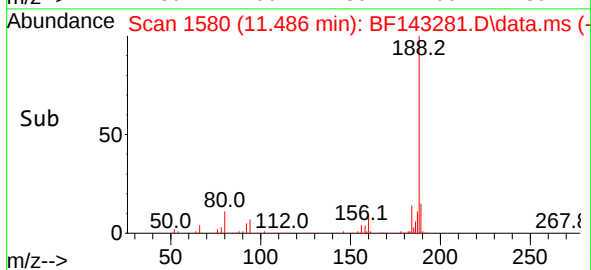
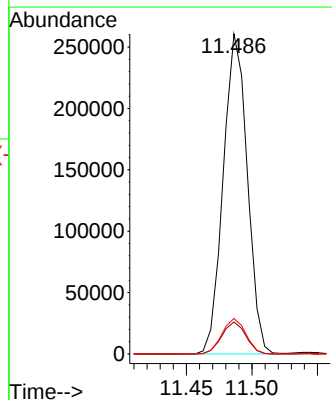
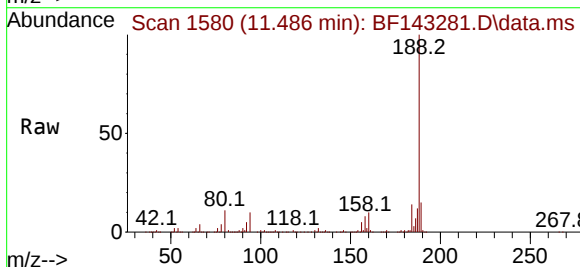
Instrument :
BNA_F
ClientSampleId :
PB169087BS

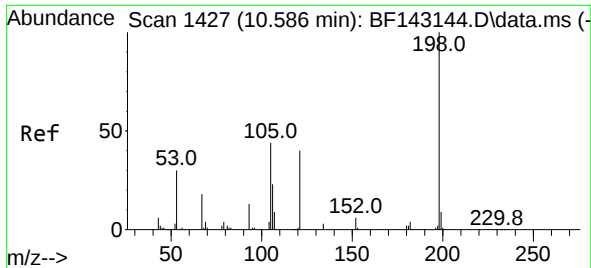
Tgt Ion: 77	Resp: 586851
Ion Ratio	Lower Upper
77 100	
182 24.9	4.6 44.6
105 21.5	1.4 41.4
51 34.3	13.7 53.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

Tgt Ion:188	Resp: 332732
Ion Ratio	Lower Upper
188 100	
94 10.0	8.3 12.5
80 11.1	9.0 13.6

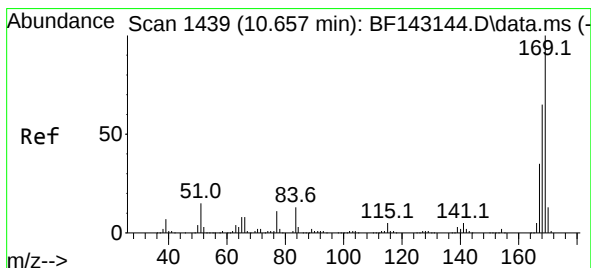
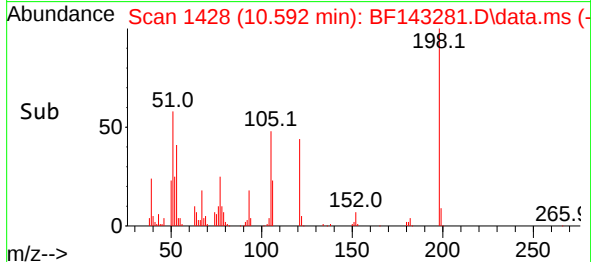
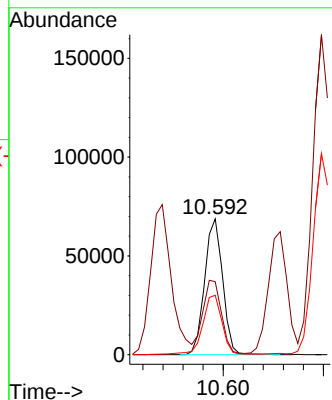
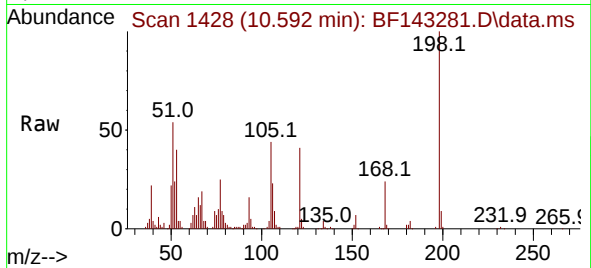




#65
4,6-Dinitro-2-methylphenol
Concen: 49.044 ng
RT: 10.592 min Scan# 1428
Delta R.T. 0.006 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

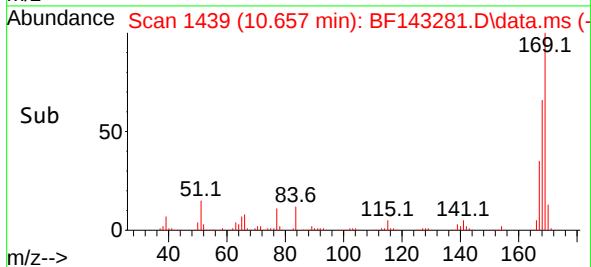
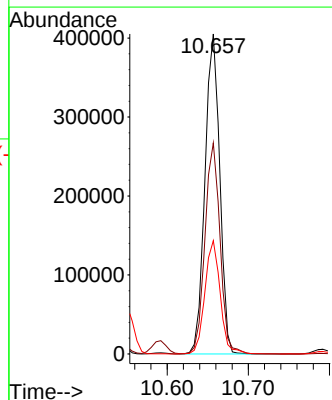
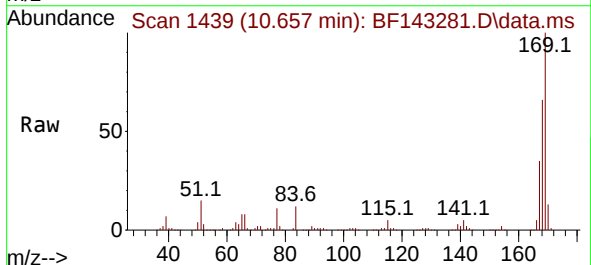
Instrument :
BNA_F
ClientSampleId :
PB169087BS

Tgt Ion:198 Resp: 85778
Ion Ratio Lower Upper
198 100
51 53.8 37.2 77.2
105 43.7 24.8 64.8



#66
n-Nitrosodiphenylamine
Concen: 43.608 ng
RT: 10.657 min Scan# 1439
Delta R.T. -0.000 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

Tgt Ion:169 Resp: 510935
Ion Ratio Lower Upper
169 100
168 66.0 52.1 78.1
167 35.4 28.2 42.2

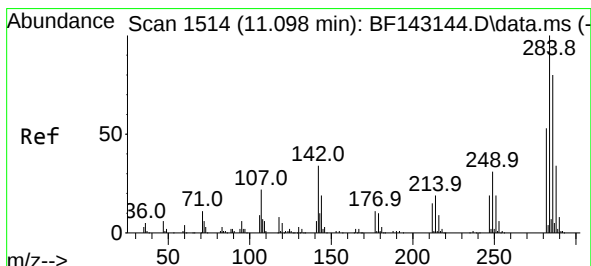
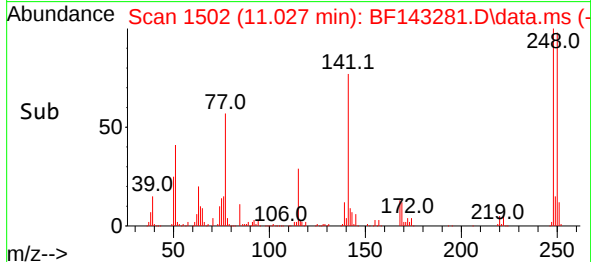
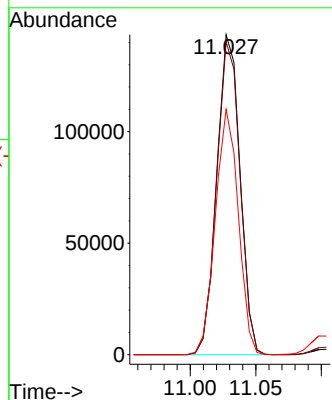
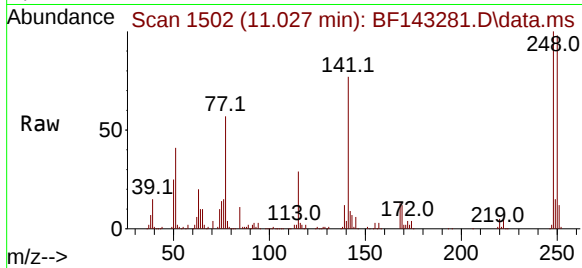




#67
4-Bromophenyl-phenylether
Concen: 44.764 ng
RT: 11.027 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

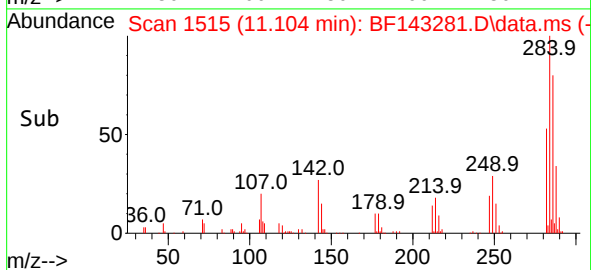
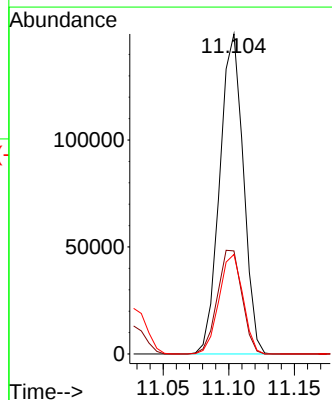
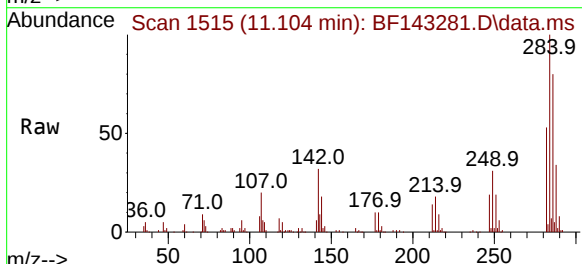
Instrument :
BNA_F
ClientSampleId :
PB169087BS

Tgt Ion:248 Resp: 177500
Ion Ratio Lower Upper
248 100
250 97.8 78.3 117.5
141 76.7 59.2 88.8



#68
Hexachlorobenzene
Concen: 45.137 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.006 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

Tgt Ion:284 Resp: 187073
Ion Ratio Lower Upper
284 100
142 32.2 27.0 40.6
249 31.1 25.0 37.6





#69

Atrazine

Concen: 48.744 ng

RT: 11.180 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143281.D

Acq: 01 Aug 2025 14:37

Instrument :

BNA_F

ClientSampleId :

PB169087BS

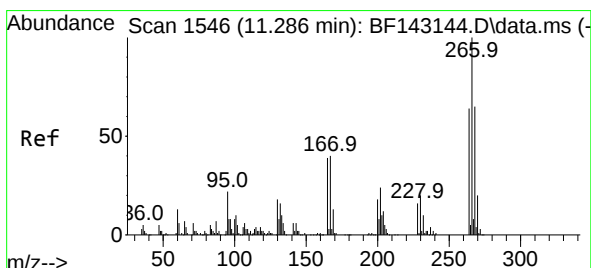
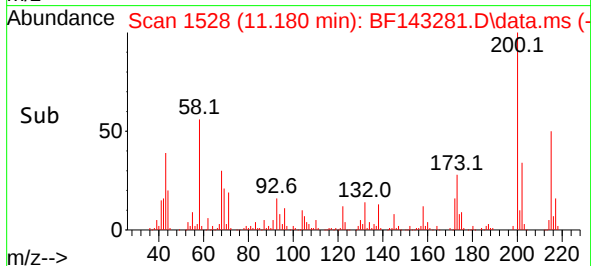
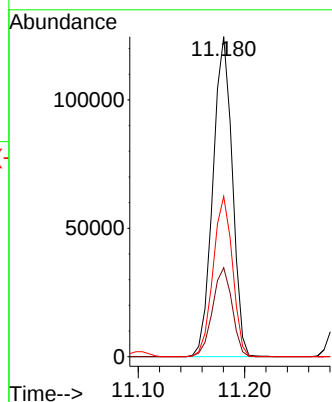
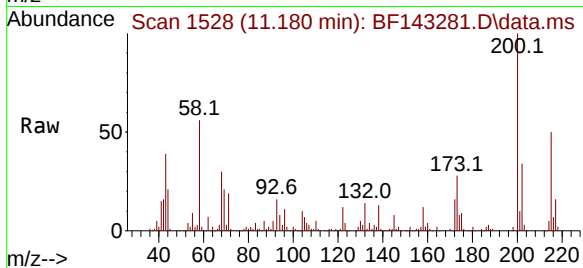
Tgt Ion:200 Resp: 157449

Ion Ratio Lower Upper

200 100

173 27.8 7.9 47.9

215 50.1 30.1 70.1



#70

Pentachlorophenol

Concen: 85.462 ng

RT: 11.292 min Scan# 1547

Delta R.T. 0.006 min

Lab File: BF143281.D

Acq: 01 Aug 2025 14:37

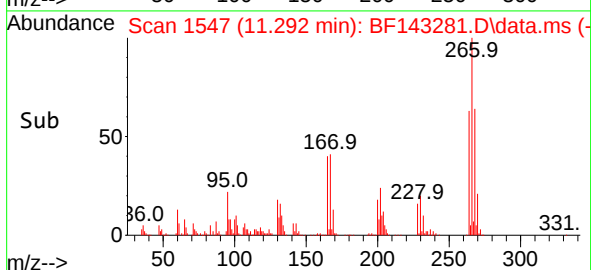
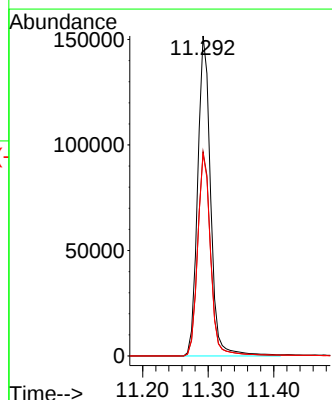
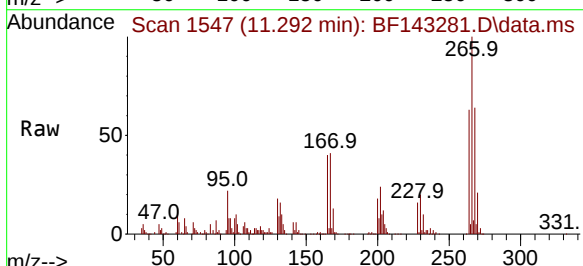
Tgt Ion:266 Resp: 208299

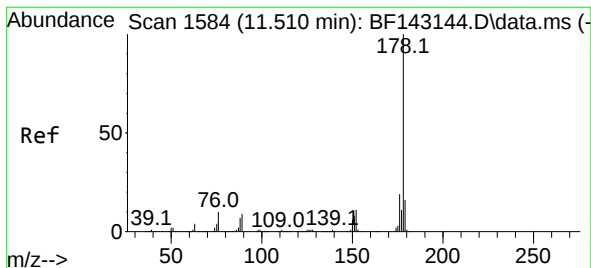
Ion Ratio Lower Upper

266 100

268 63.8 51.9 77.9

264 63.2 51.0 76.6





#71

Phenanthrene

Concen: 44.634 ng

RT: 11.516 min Scan# 1584

Delta R.T. 0.006 min

Lab File: BF143281.D

Acq: 01 Aug 2025 14:37

Instrument :

BNA_F

ClientSampleId :

PB169087BS

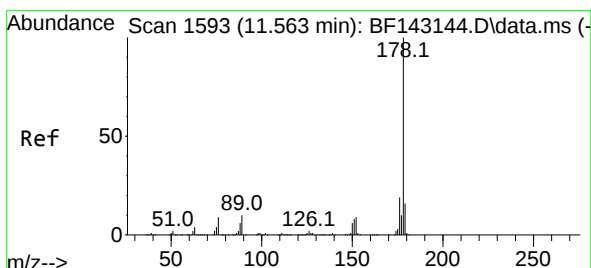
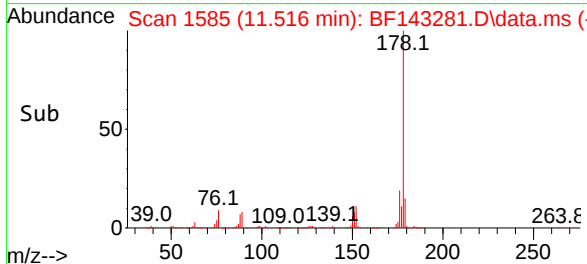
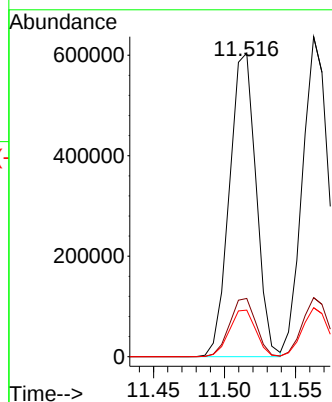
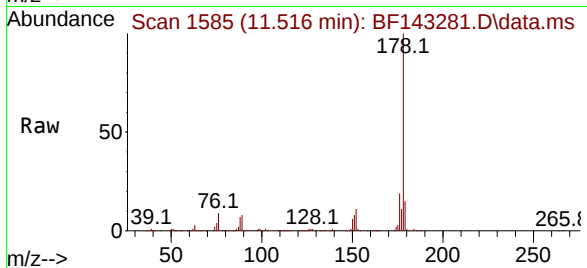
Tgt Ion:178 Resp: 788552

Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

179 15.3 12.5 18.7



#72

Anthracene

Concen: 44.848 ng

RT: 11.563 min Scan# 1593

Delta R.T. -0.000 min

Lab File: BF143281.D

Acq: 01 Aug 2025 14:37

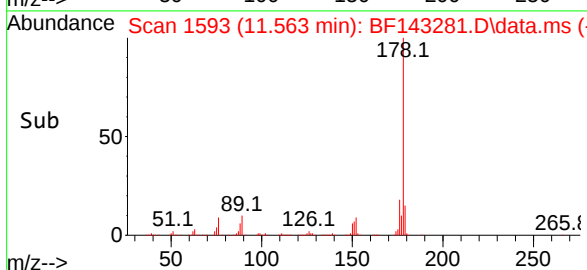
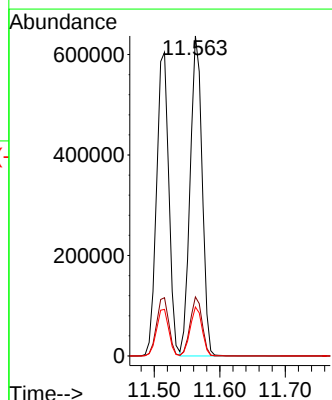
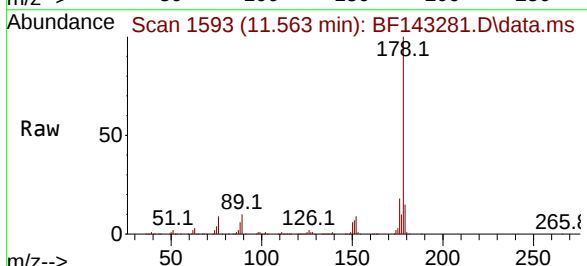
Tgt Ion:178 Resp: 808098

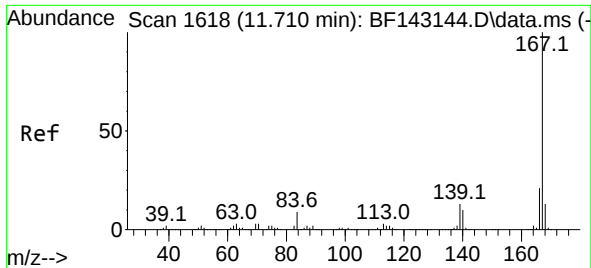
Ion Ratio Lower Upper

178 100

176 18.4 15.0 22.4

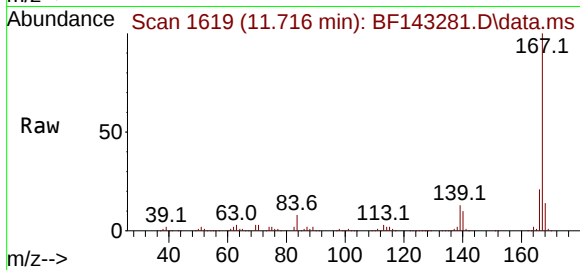
179 15.3 12.5 18.7



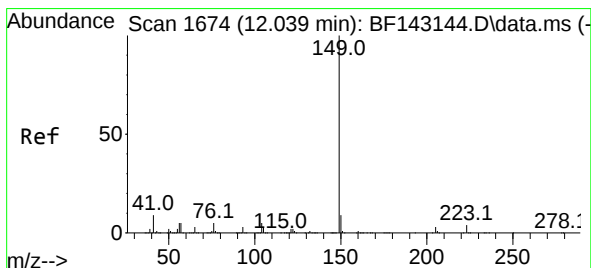
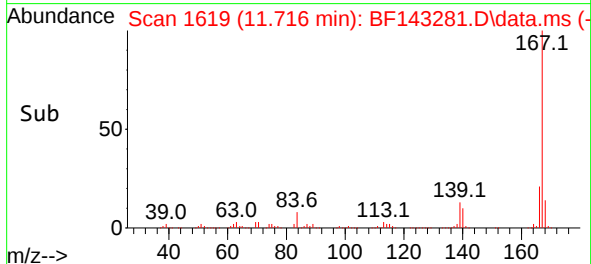
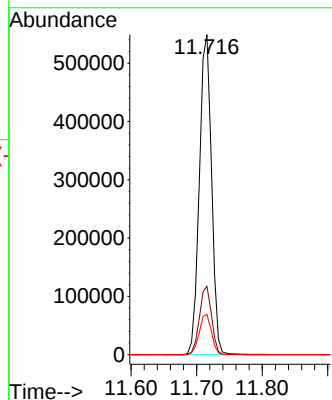


#73
Carbazole
Concen: 45.267 ng
RT: 11.716 min Scan# 1619
Delta R.T. 0.006 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

Instrument :
BNA_F
ClientSampleId :
PB169087BS

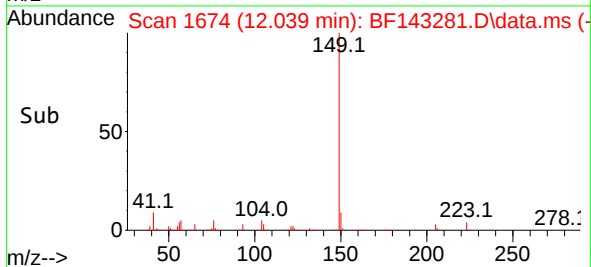
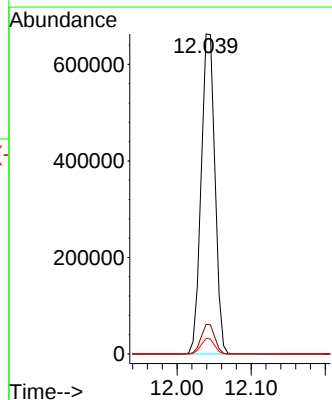
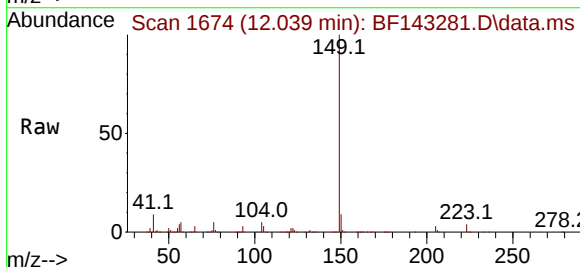


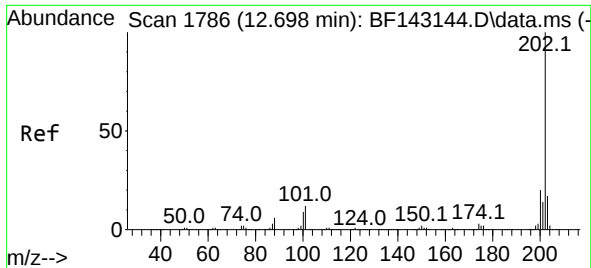
Tgt Ion:167 Resp: 712207
Ion Ratio Lower Upper
167 100
166 21.3 17.0 25.6
139 12.6 10.0 15.0



#74
Di-n-butylphthalate
Concen: 48.106 ng
RT: 12.039 min Scan# 1674
Delta R.T. -0.000 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

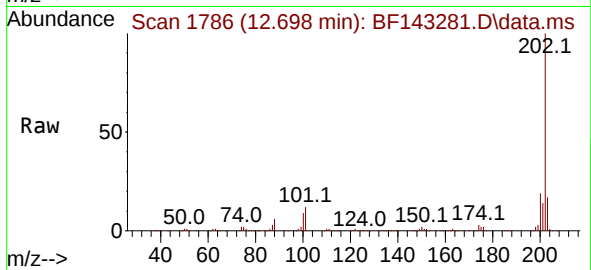
Tgt Ion:149 Resp: 856407
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.2
104 4.9 3.8 5.8



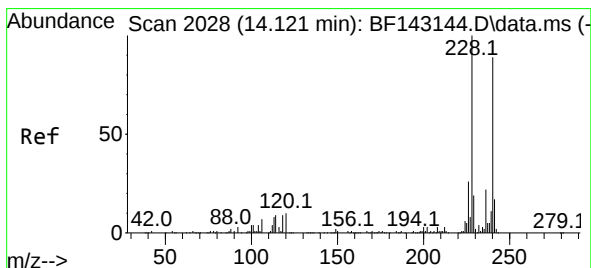
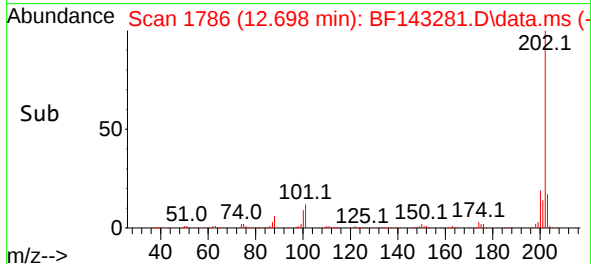
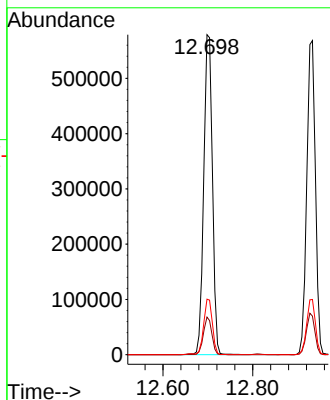


#75
Fluoranthene
Concen: 47.962 ng
RT: 12.698 min Scan# 1786
Delta R.T. -0.000 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

Instrument :
BNA_F
ClientSampleId :
PB169087BS

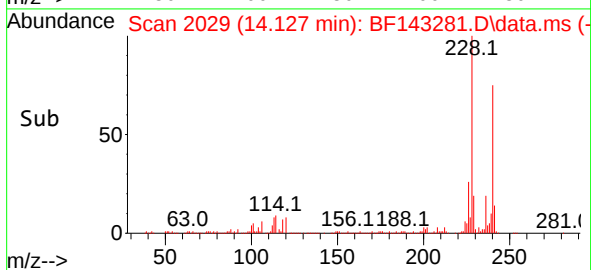
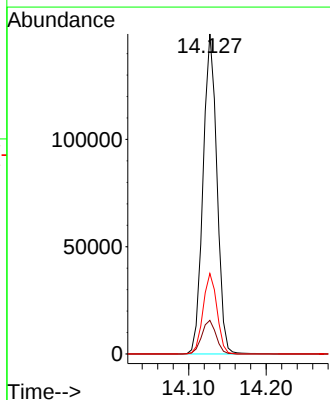
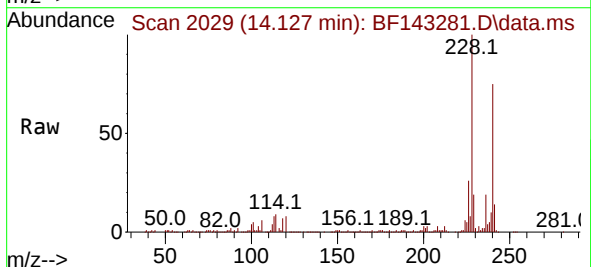


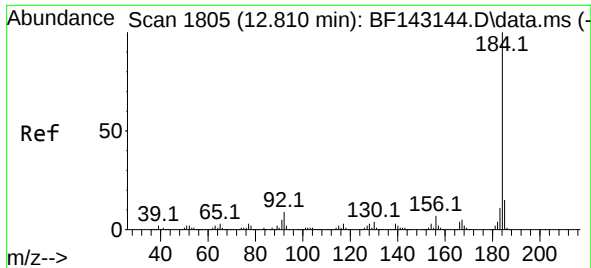
Tgt Ion:202 Resp: 777745
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.7
203 17.3 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

Tgt Ion:240 Resp: 185103
Ion Ratio Lower Upper
240 100
120 10.5 9.4 14.2
236 25.2 20.2 30.4

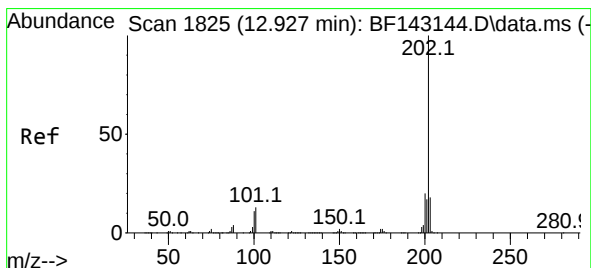
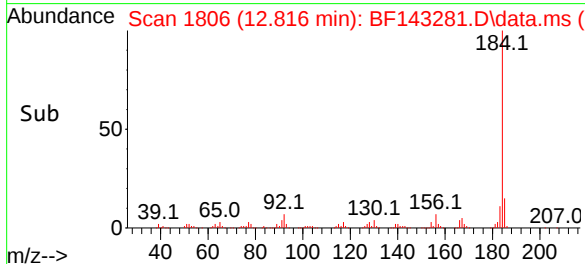
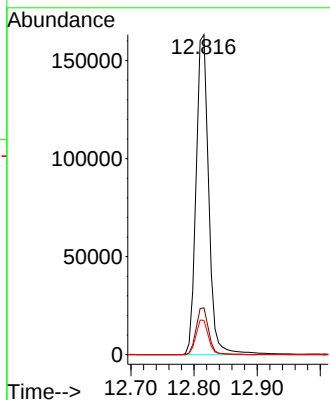
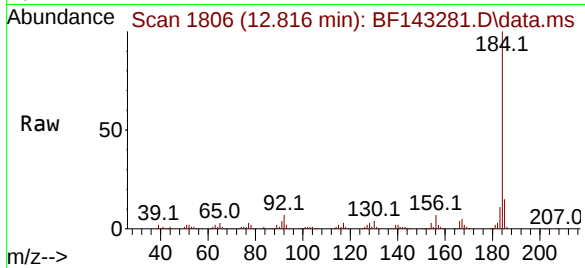




#77
Benzidine
Concen: 31.798 ng
RT: 12.816 min Scan# 1806
Delta R.T. 0.006 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

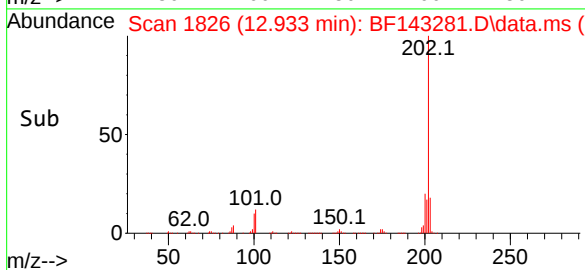
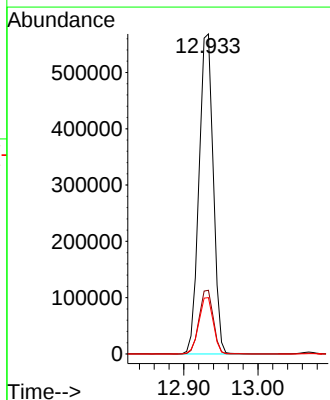
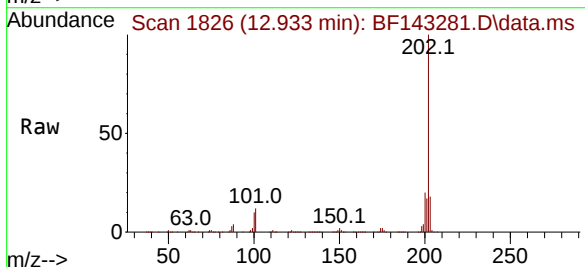
Instrument :
BNA_F
ClientSampleId :
PB169087BS

Tgt Ion:184 Resp: 226771
Ion Ratio Lower Upper
184 100
185 14.6 12.2 18.4
183 10.8 9.0 13.4



#78
Pyrene
Concen: 48.101 ng
RT: 12.933 min Scan# 1826
Delta R.T. 0.006 min
Lab File: BF143281.D
Acq: 01 Aug 2025 14:37

Tgt Ion:202 Resp: 759881
Ion Ratio Lower Upper
202 100
200 19.9 15.7 23.5
203 17.6 14.2 21.2

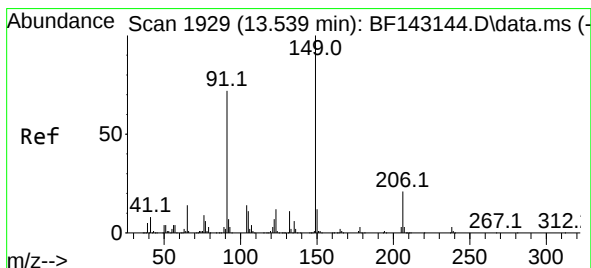
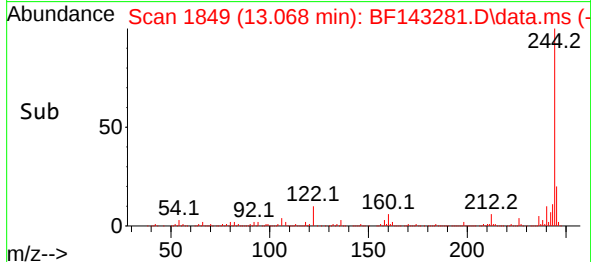
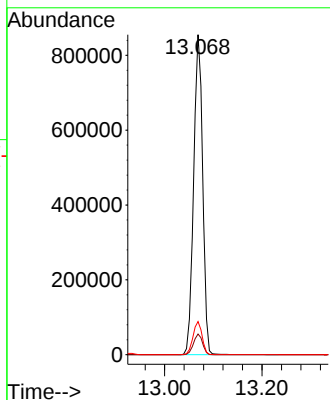
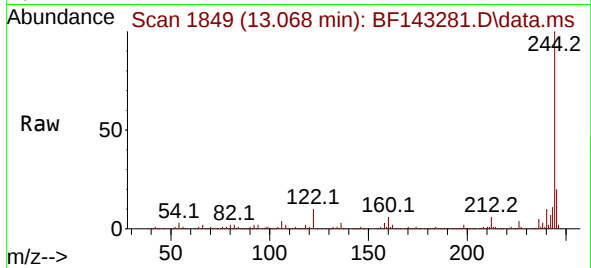




#79
 Terphenyl-d14
 Concen: 88.636 ng
 RT: 13.068 min Scan# 1849
 Delta R.T. -0.000 min
 Lab File: BF143281.D
 Acq: 01 Aug 2025 14:37

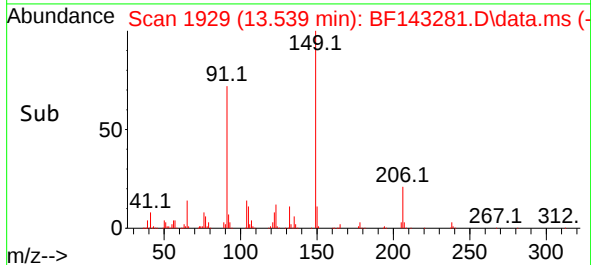
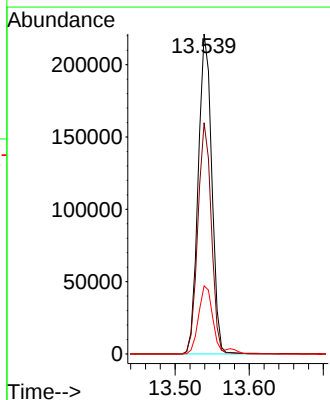
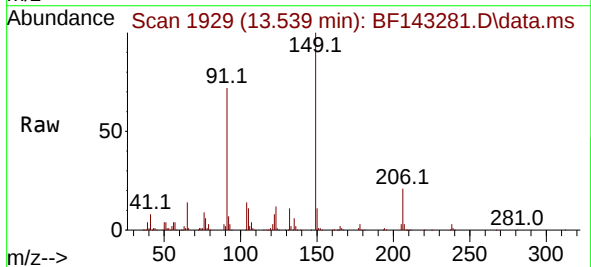
Instrument :
 BNA_F
 ClientSampleId :
 PB169087BS

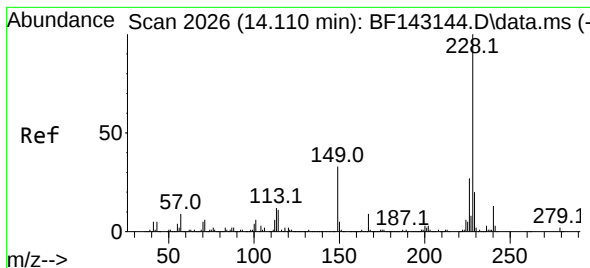
Tgt Ion:244 Resp: 1102522
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.2 7.8
 122 10.3 8.2 12.2



#80
 Butylbenzylphthalate
 Concen: 58.138 ng
 RT: 13.539 min Scan# 1929
 Delta R.T. -0.000 min
 Lab File: BF143281.D
 Acq: 01 Aug 2025 14:37

Tgt Ion:149 Resp: 281240
 Ion Ratio Lower Upper
 149 100
 91 72.3 57.9 86.9
 206 21.3 17.0 25.4





#81

Benzo(a)anthracene

Concen: 45.613 ng

RT: 14.115 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF143281.D

Acq: 01 Aug 2025 14:37

Instrument :

BNA_F

ClientSampleId :

PB169087BS

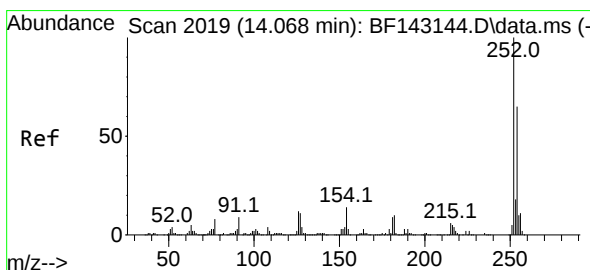
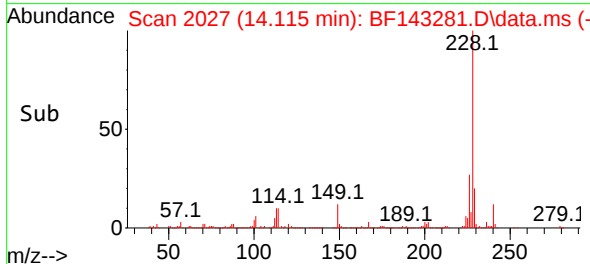
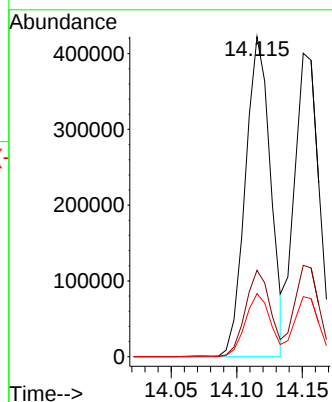
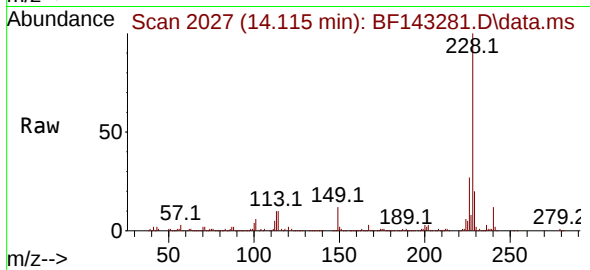
Tgt Ion:228 Resp: 565267

Ion Ratio Lower Upper

228 100

226 27.0 21.7 32.5

229 19.7 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 21.462 ng

RT: 14.074 min Scan# 2020

Delta R.T. 0.006 min

Lab File: BF143281.D

Acq: 01 Aug 2025 14:37

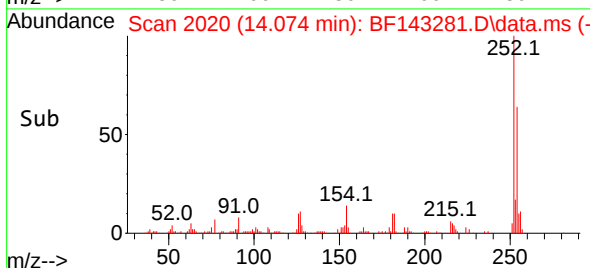
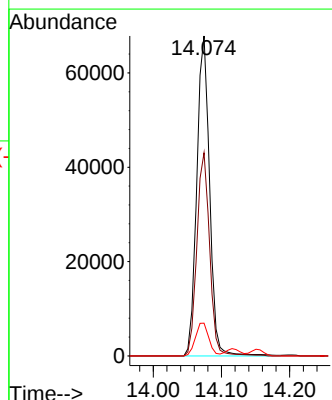
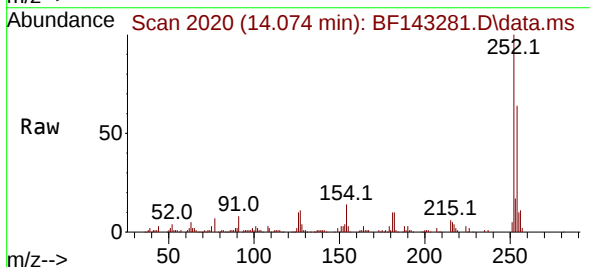
Tgt Ion:252 Resp: 88646

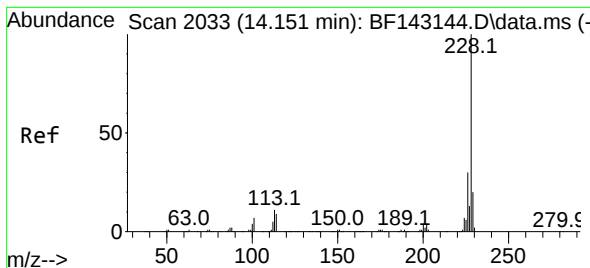
Ion Ratio Lower Upper

252 100

254 63.5 51.7 77.5

126 10.3 9.4 14.0





#83

Chrysene

Concen: 46.912 ng

RT: 14.151 min Scan# 2033

Delta R.T. -0.000 min

Lab File: BF143281.D

Acq: 01 Aug 2025 14:37

Instrument :

BNA_F

ClientSampleId :

PB169087BS

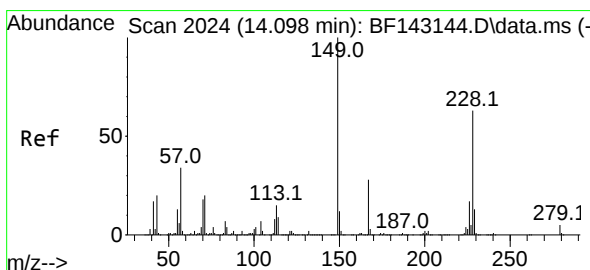
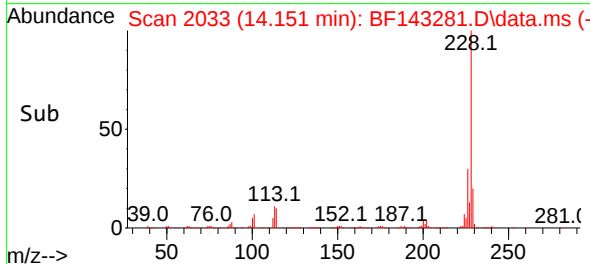
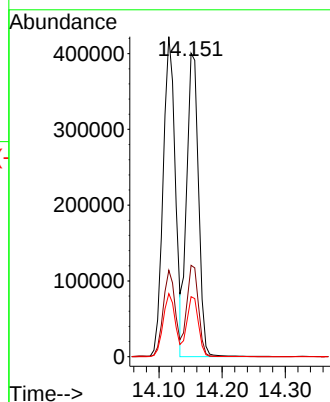
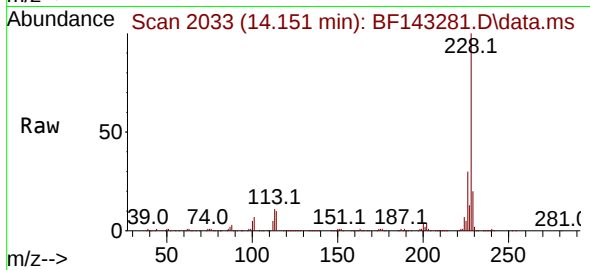
Tgt Ion:228 Resp: 522696

Ion Ratio Lower Upper

228 100

226 30.1 23.8 35.8

229 19.7 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 49.610 ng

RT: 14.098 min Scan# 2024

Delta R.T. -0.000 min

Lab File: BF143281.D

Acq: 01 Aug 2025 14:37

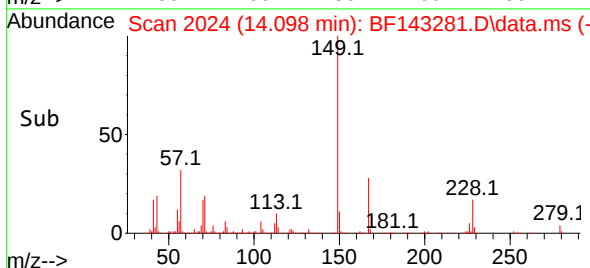
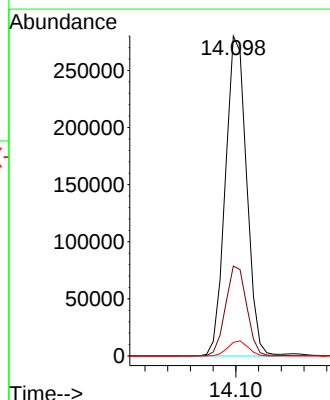
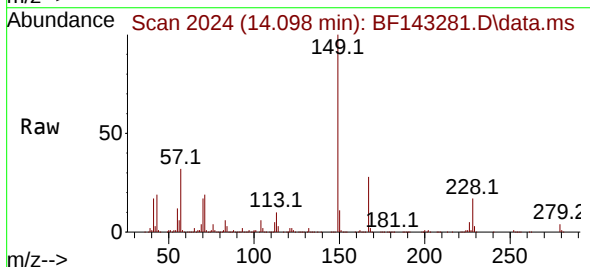
Tgt Ion:149 Resp: 363243

Ion Ratio Lower Upper

149 100

167 28.1 22.3 33.5

279 4.3 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 44.156 ng

RT: 14.715 min Scan# 2129

Delta R.T. -0.000 min

Lab File: BF143281.D

Acq: 01 Aug 2025 14:37

Instrument :

BNA_F

ClientSampleId :

PB169087BS

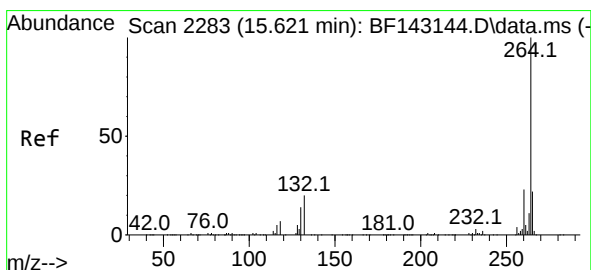
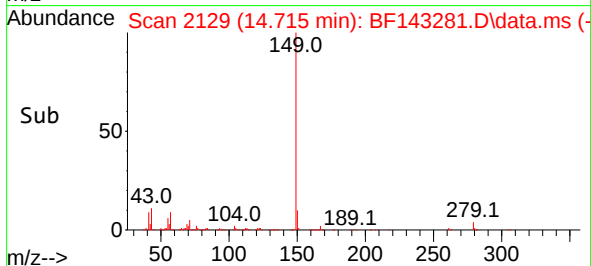
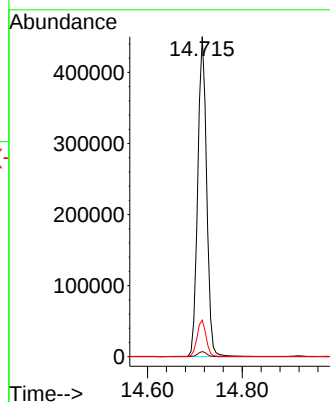
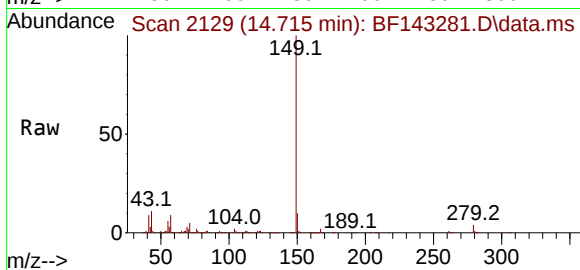
Tgt Ion:149 Resp: 586041

Ion Ratio Lower Upper

149 100

167 1.6 1.1 1.7

43 11.4 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: BF143281.D

Acq: 01 Aug 2025 14:37

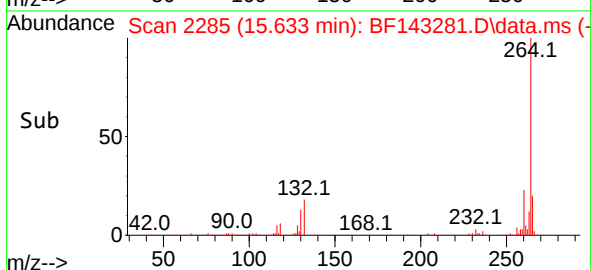
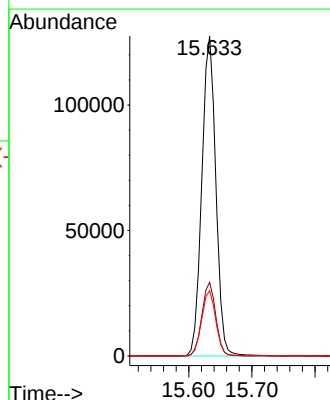
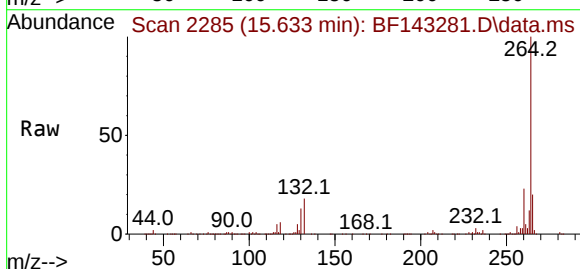
Tgt Ion:264 Resp: 196335

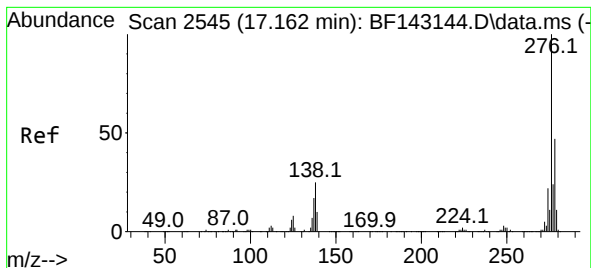
Ion Ratio Lower Upper

264 100

260 23.0 18.5 27.7

265 20.4 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 46.705 ng

RT: 17.180 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF143281.D

Acq: 01 Aug 2025 14:37

Instrument :

BNA_F

ClientSampleId :

PB169087BS

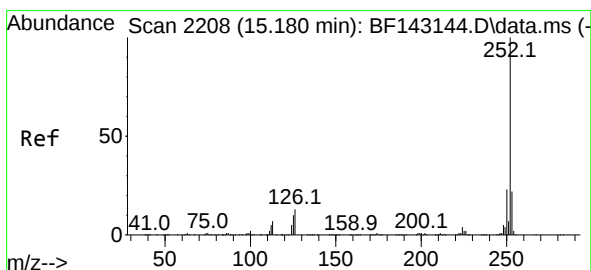
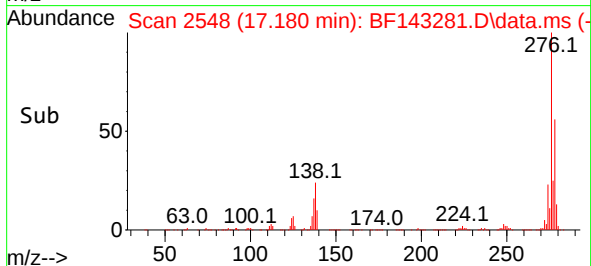
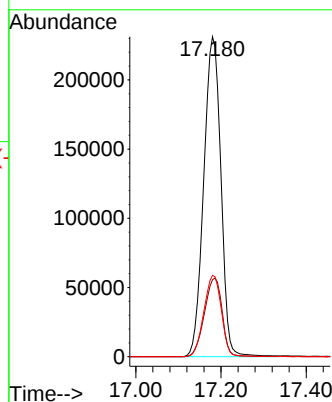
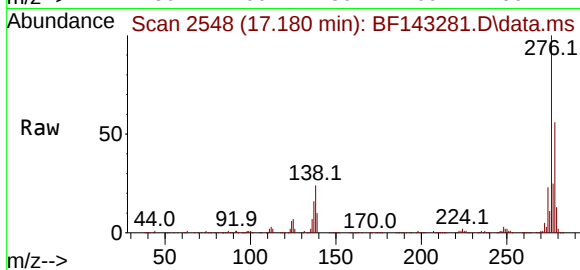
Tgt Ion:276 Resp: 646594

Ion Ratio Lower Upper

276 100

138 25.4 21.8 32.6

277 25.9 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 46.078 ng

RT: 15.186 min Scan# 2209

Delta R.T. 0.006 min

Lab File: BF143281.D

Acq: 01 Aug 2025 14:37

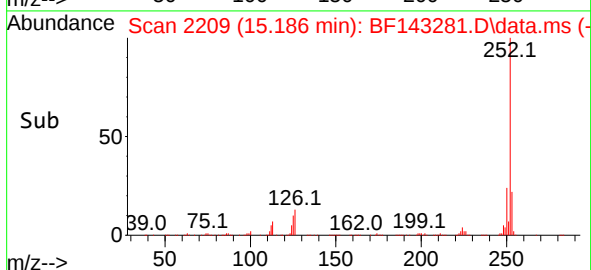
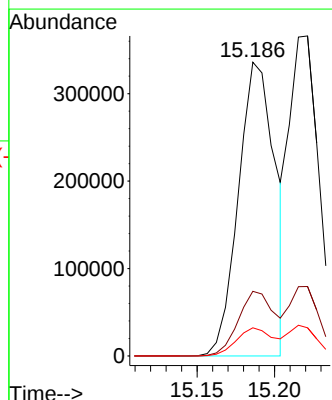
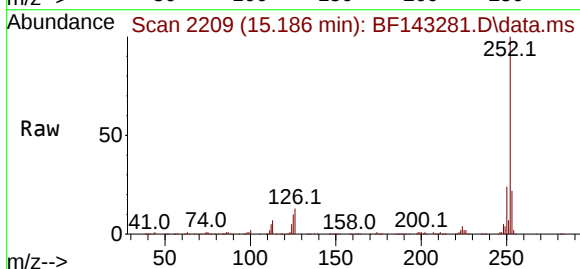
Tgt Ion:252 Resp: 552673

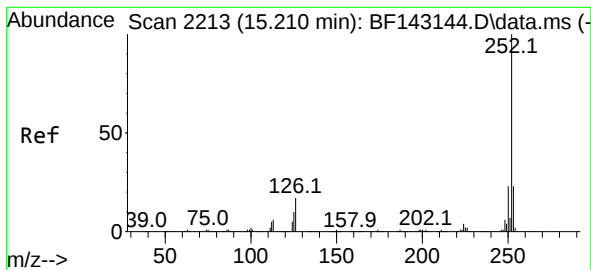
Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 9.6 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 45.976 ng

RT: 15.221 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143281.D

Acq: 01 Aug 2025 14:37

Instrument :

BNA_F

ClientSampleId :

PB169087BS

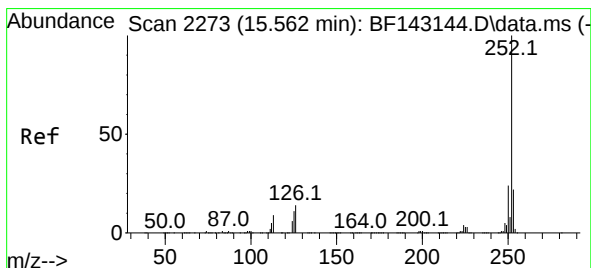
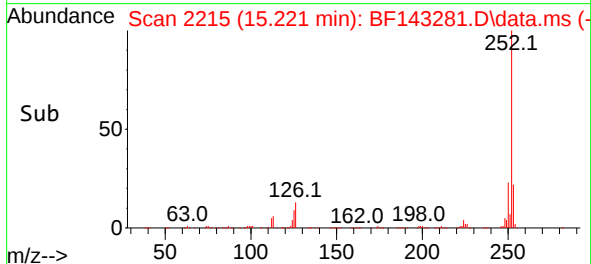
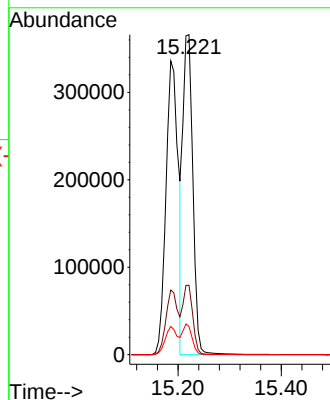
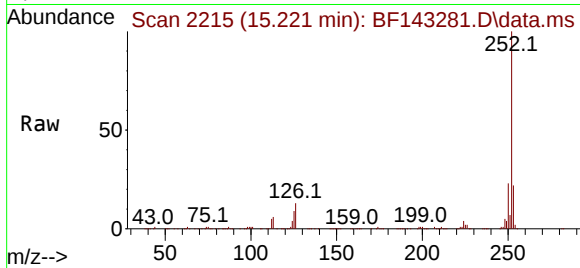
Tgt Ion:252 Resp: 492088

Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.6

125 8.8 8.1 12.1



#90

Benzo(a)pyrene

Concen: 46.324 ng

RT: 15.568 min Scan# 2274

Delta R.T. 0.006 min

Lab File: BF143281.D

Acq: 01 Aug 2025 14:37

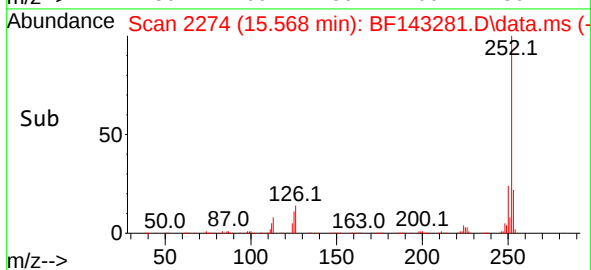
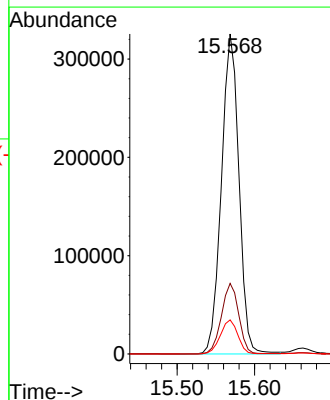
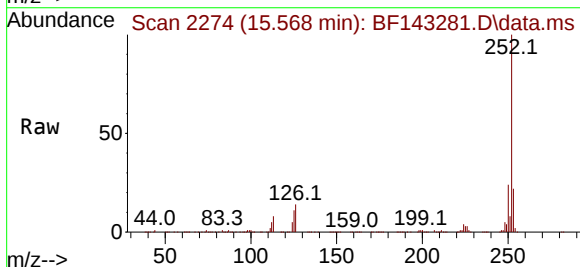
Tgt Ion:252 Resp: 511924

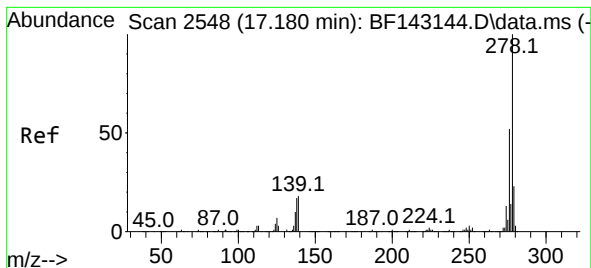
Ion Ratio Lower Upper

252 100

253 22.1 17.3 25.9

125 10.6 8.6 13.0





#91

Dibenzo(a,h)anthracene

Concen: 46.804 ng

RT: 17.198 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF143281.D

Acq: 01 Aug 2025 14:37

Instrument :

BNA_F

ClientSampleId :

PB169087BS

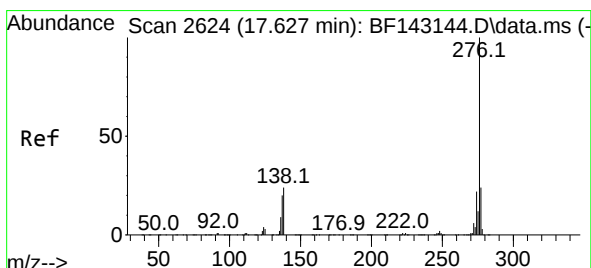
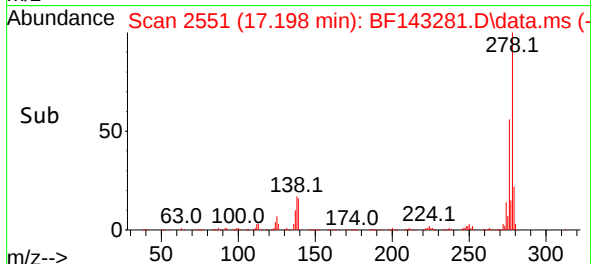
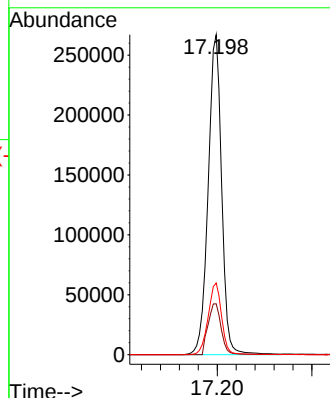
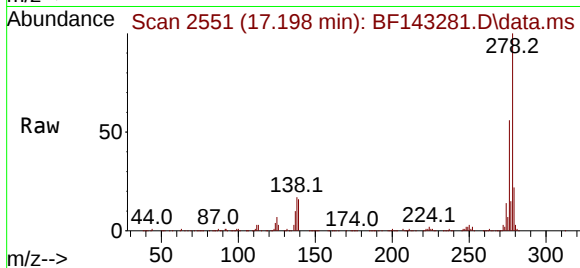
Tgt Ion:278 Resp: 527401

Ion Ratio Lower Upper

278 100

139 15.9 14.1 21.1

279 22.4 18.6 28.0



#92

Benzo(g,h,i)perylene

Concen: 55.758 ng

RT: 17.645 min Scan# 2627

Delta R.T. 0.018 min

Lab File: BF143281.D

Acq: 01 Aug 2025 14:37

Tgt Ion:276 Resp: 607779

Ion Ratio Lower Upper

276 100

277 23.0 19.1 28.7

138 22.9 18.9 28.3

