

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082825\
 Data File : BF143608.D
 Acq On : 28 Aug 2025 14:12
 Operator : RC/JU
 Sample : PB169431BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB169431BS

Quant Time: Aug 28 15:11:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 26 16:30:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	112790	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	434551	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	241679	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	390672	20.000	ng	0.00
76) Chrysene-d12	14.051	240	210895	20.000	ng	0.00
86) Perylene-d12	15.527	264	216567	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	845129	127.528	ng	0.01
7) Phenol-d6	6.516	99	1047644	127.638	ng	0.00
23) Nitrobenzene-d5	7.457	82	648938	106.627	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	296713	156.993	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	1290878	91.323	ng	0.00
79) Terphenyl-d14	12.998	244	1226431	104.356	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.781	88	122544	37.798	ng	98
3) Pyridine	3.534	79	334030	41.030	ng	94
4) n-Nitrosodimethylamine	3.487	42	174186	44.964	ng	94
6) Aniline	6.557	93	343386	29.967	ng	99
8) 2-Chlorophenol	6.675	128	338740	48.314	ng	97
9) Benzaldehyde	6.440	77	86057	13.934	ng	99
10) Phenol	6.528	94	435674	47.327	ng	98
11) bis(2-Chloroethyl)ether	6.628	93	323117	45.805	ng	97
12) 1,3-Dichlorobenzene	6.834	146	384719	47.770	ng	98
13) 1,4-Dichlorobenzene	6.910	146	380769	46.888	ng	99
14) 1,2-Dichlorobenzene	7.063	146	365838	47.494	ng	99
15) Benzyl Alcohol	7.034	79	295098	47.972	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.169	45	542299	41.648	ng	96
17) 2-Methylphenol	7.139	107	286232	48.090	ng	99
18) Hexachloroethane	7.404	117	125244	48.538	ng	99
19) n-Nitroso-di-n-propyla...	7.304	70	242660	46.667	ng	96
20) 3+4-Methylphenols	7.292	107	349713	47.838	ng	92
22) Acetophenone	7.298	105	469854	48.011	ng	96
24) Nitrobenzene	7.475	77	353600	54.192	ng	96
25) Isophorone	7.710	82	667958	46.899	ng	99
26) 2-Nitrophenol	7.787	139	158113	56.146	ng	99
27) 2,4-Dimethylphenol	7.822	122	323342	52.178	ng	100
28) bis(2-Chloroethoxy)met...	7.922	93	403101	46.780	ng	99
29) 2,4-Dichlorophenol	8.028	162	293598	49.174	ng	99
30) 1,2,4-Trichlorobenzene	8.116	180	313429	50.279	ng	99
31) Naphthalene	8.198	128	981580	46.753	ng	100
32) Benzoic acid	7.934	122	186911	55.955	ng	98
33) 4-Chloroaniline	8.239	127	108137	14.579	ng	97
34) Hexachlorobutadiene	8.316	225	189817	48.322	ng	99
35) Caprolactam	8.610	113	50807	29.953	ng	91
36) 4-Chloro-3-methylphenol	8.716	107	307117	49.201	ng	99
37) 2-Methylnaphthalene	8.886	142	598772	43.185	ng	100
38) 1-Methylnaphthalene	8.986	142	616394	46.063	ng	99
40) 1,2,4,5-Tetrachloroben...	9.051	216	293168	46.636	ng	99
41) Hexachlorocyclopentadiene	9.039	237	409257	132.339	ng	99
43) 2,4,6-Trichlorophenol	9.163	196	214115	51.545	ng	100

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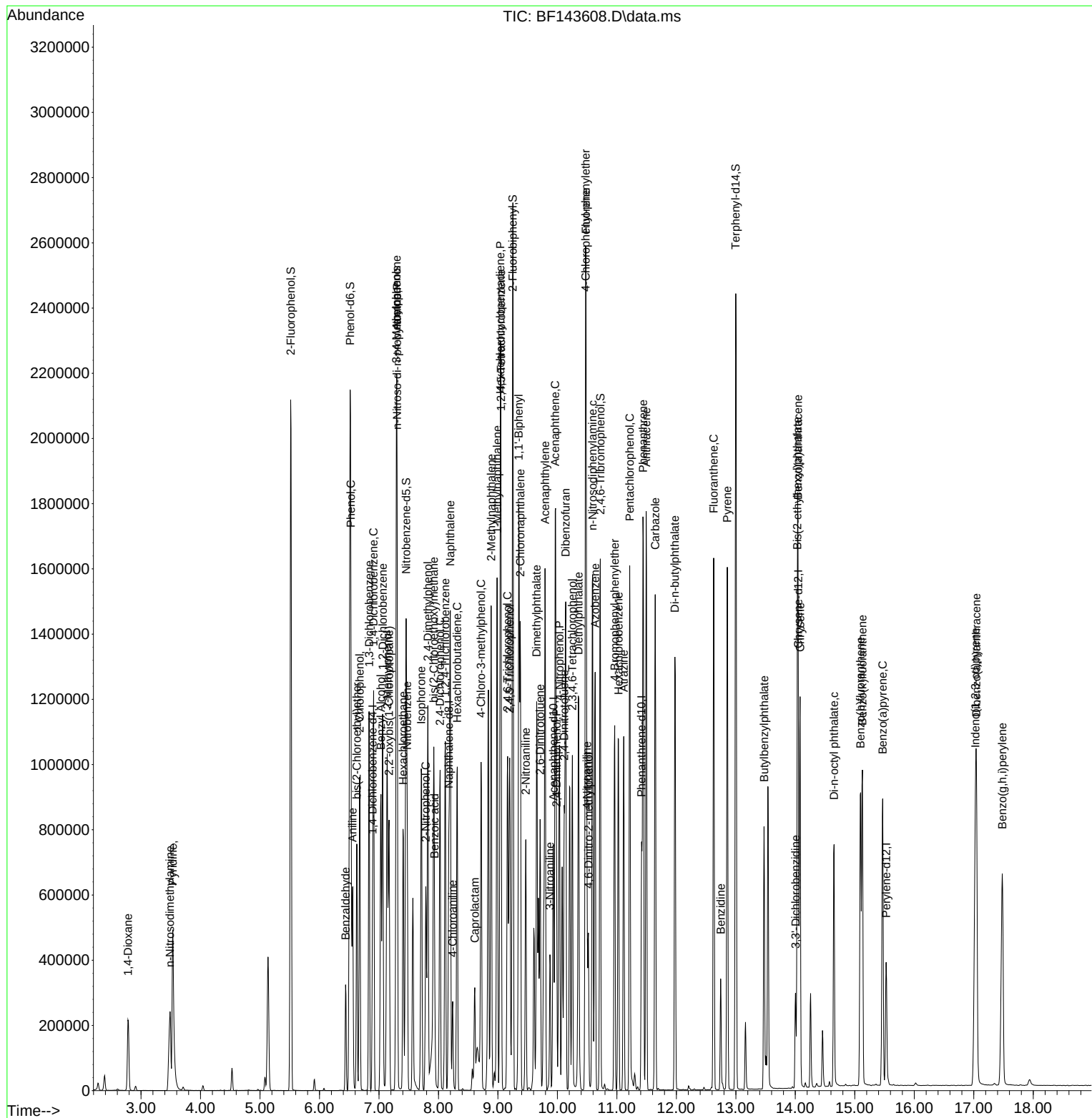
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	212845	50.708	ng	99
46) 1,1'-Biphenyl	9.351	154	801615	47.802	ng	99
47) 2-Chloronaphthalene	9.375	162	624822	47.167	ng	99
48) 2-Nitroaniline	9.469	65	189074	51.084	ng	97
49) Acenaphthylene	9.792	152	1002209	51.998	ng	100
50) Dimethylphthalate	9.651	163	725775	48.823	ng	99
51) 2,6-Dinitrotoluene	9.710	165	153961	60.301	ng	93
52) Acenaphthene	9.963	154	637723	50.513	ng	99
53) 3-Nitroaniline	9.875	138	87145	31.127	ng	# 97
54) 2,4-Dinitrophenol	9.986	184	128051	105.472	ng	# 1
55) Dibenzofuran	10.139	168	875101	47.277	ng	99
56) 4-Nitrophenol	10.033	139	260935	100.536	ng	96
57) 2,4-Dinitrotoluene	10.116	165	203559	60.660	ng	95
58) Fluorene	10.480	166	668584	48.108	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	190229	61.300	ng	96
60) Diethylphthalate	10.357	149	694220	49.832	ng	100
61) 4-Chlorophenyl-phenyle...	10.475	204	324551	47.751	ng	97
62) 4-Nitroaniline	10.498	138	153531	55.023	ng	96
63) Azobenzene	10.633	77	666395	47.179	ng	98
65) 4,6-Dinitro-2-methylph...	10.522	198	88769	61.296	ng	89
66) n-Nitrosodiphenylamine	10.592	169	587239	47.257	ng	99
67) 4-Bromophenyl-phenylether	10.963	248	204759	48.455	ng	99
68) Hexachlorobenzene	11.027	284	222830	49.298	ng	98
69) Atrazine	11.116	200	185758	52.004	ng	99
70) Pentachlorophenol	11.216	266	280197	108.500	ng	99
71) Phenanthrene	11.439	178	977355	46.725	ng	100
72) Anthracene	11.492	178	1007335	47.787	ng	100
73) Carbazole	11.645	167	873989	47.965	ng	100
74) Di-n-butylphthalate	11.974	149	987605	53.213	ng	100
75) Fluoranthene	12.627	202	933649	48.885	ng	99
77) Benzidine	12.745	184	181737	37.430	ng	100
78) Pyrene	12.857	202	922105	52.244	ng	100
80) Butylbenzylphthalate	13.474	149	260698	51.975	ng	97
81) Benzo(a)anthracene	14.045	228	666342	50.222	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	86934	24.438	ng	97
83) Chrysene	14.080	228	573616	46.390	ng	100
84) Bis(2-ethylhexyl)phtha...	14.033	149	292067	45.430	ng	100
85) Di-n-octyl phthalate	14.651	149	525687	44.214	ng	97
87) Indeno(1,2,3-cd)pyrene	17.027	276	767627	52.098	ng	97
88) Benzo(b)fluoranthene	15.098	252	595302	48.109	ng	99
89) Benzo(k)fluoranthene	15.127	252	558097	48.238	ng	99
90) Benzo(a)pyrene	15.468	252	570008	52.137	ng	99
91) Dibenzo(a,h)anthracene	17.045	278	625577	51.875	ng	99
92) Benzo(g,h,i)perylene	17.480	276	625268	52.372	ng	98

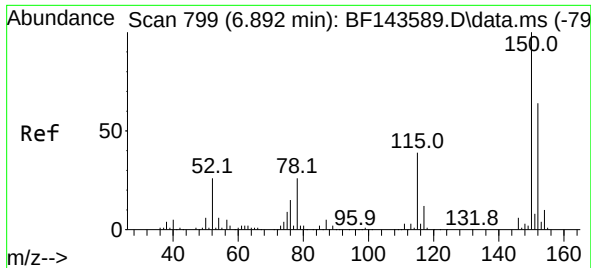
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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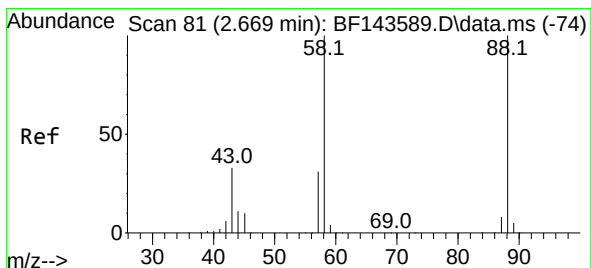
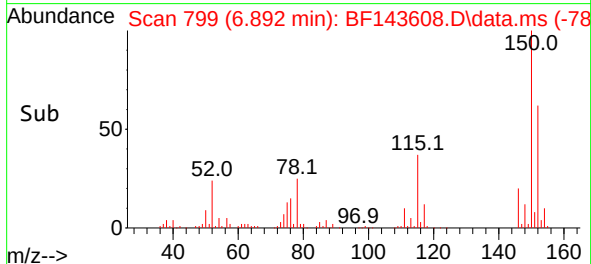
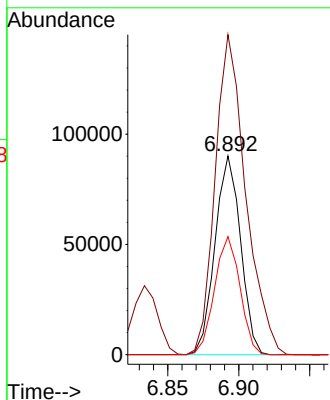
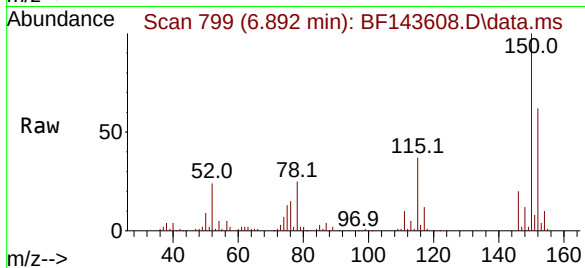




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.892 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: BF143608.D
 Acq: 28 Aug 2025 14:12

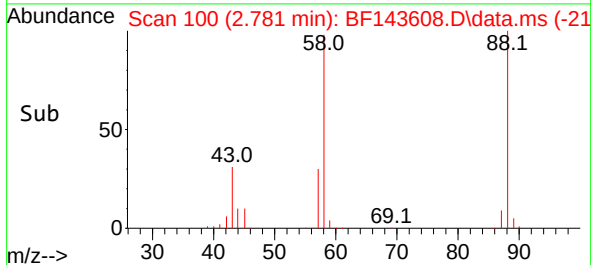
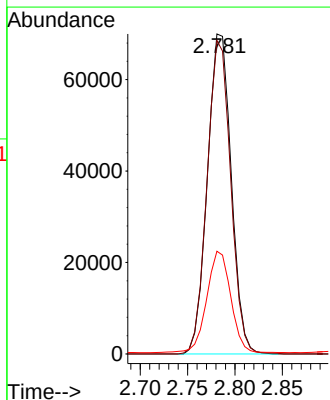
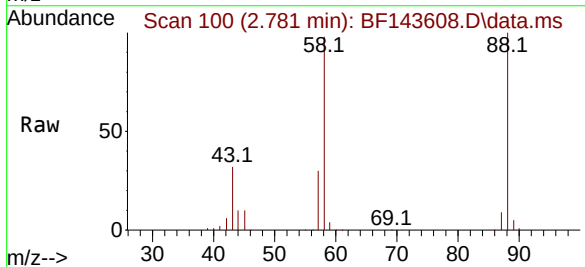
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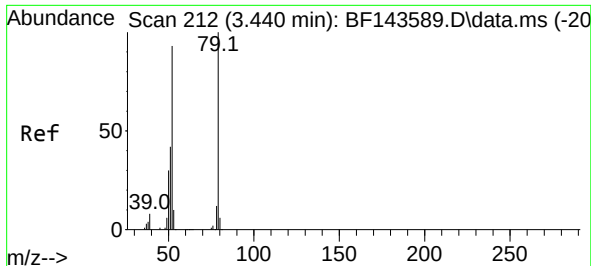
Tgt Ion:152 Resp: 112790
 Ion Ratio Lower Upper
 152 100
 150 161.1 124.9 187.3
 115 59.4 48.0 72.0



#2
 1,4-Dioxane
 Concen: 37.798 ng
 RT: 2.781 min Scan# 100
 Delta R.T. 0.112 min
 Lab File: BF143608.D
 Acq: 28 Aug 2025 14:12

Tgt Ion: 88 Resp: 122544
 Ion Ratio Lower Upper
 88 100
 58 97.1 79.2 118.8
 43 32.1 26.2 39.2

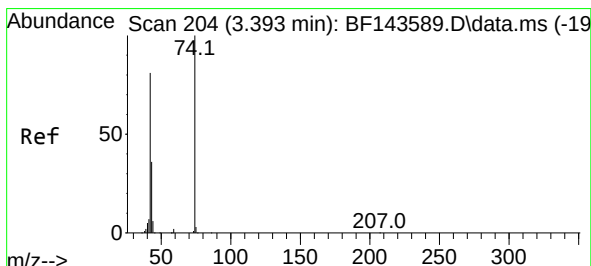
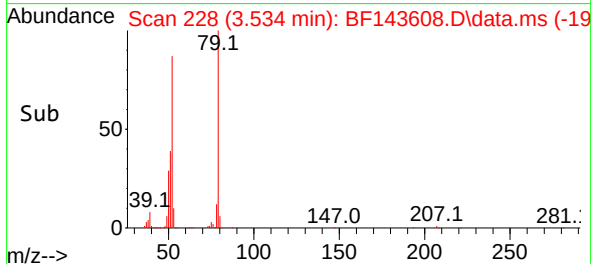
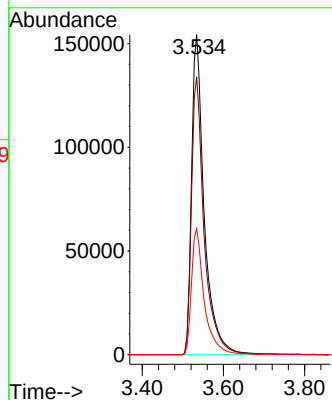
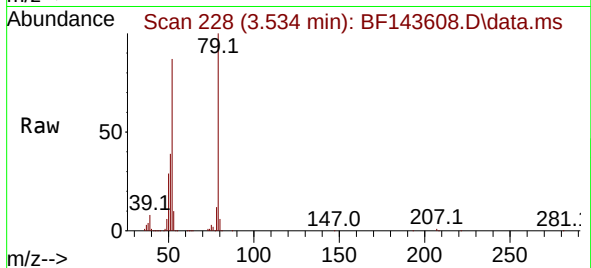




#3
 Pyridine
 Concen: 41.030 ng
 RT: 3.534 min Scan# 21
 Delta R.T. 0.094 min
 Lab File: BF143608.D
 Acq: 28 Aug 2025 14:12

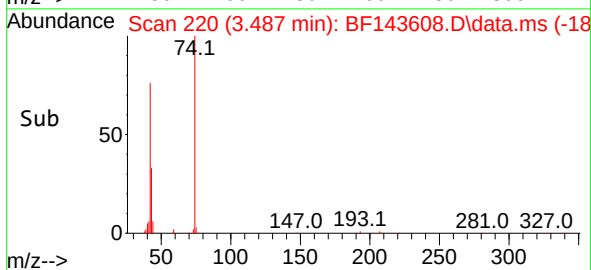
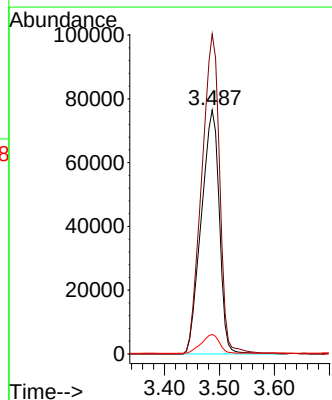
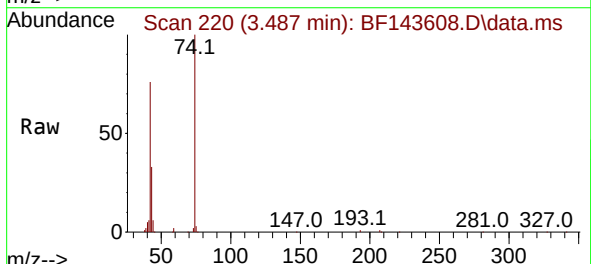
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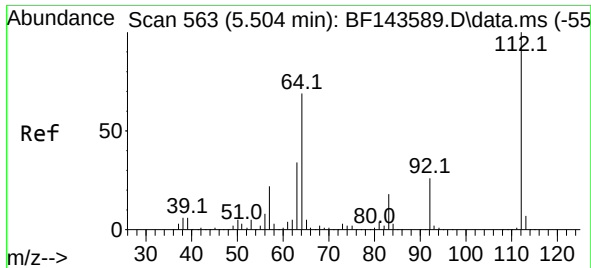
Tgt Ion: 79 Resp: 334030
 Ion Ratio Lower Upper
 79 100
 52 86.9 74.3 111.5
 51 39.4 33.5 50.3



#4
 n-Nitrosodimethylamine
 Concen: 44.964 ng
 RT: 3.487 min Scan# 220
 Delta R.T. 0.094 min
 Lab File: BF143608.D
 Acq: 28 Aug 2025 14:12

Tgt Ion: 42 Resp: 174186
 Ion Ratio Lower Upper
 42 100
 74 131.1 98.9 148.3
 44 8.0 7.0 10.4

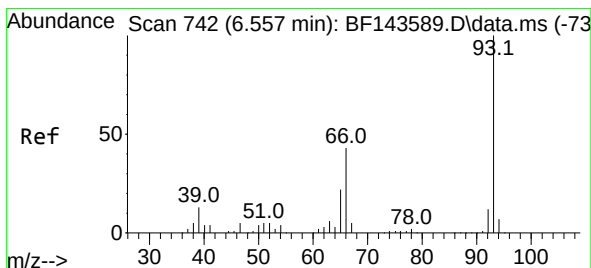
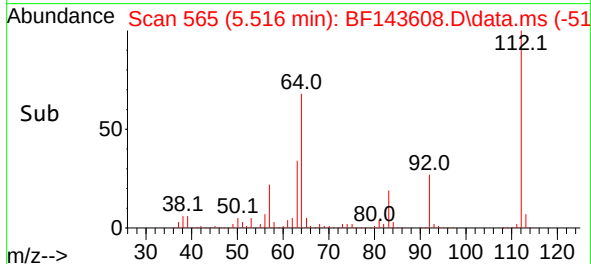
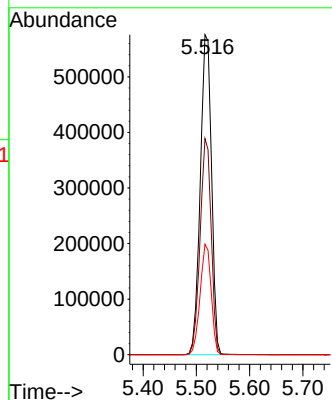
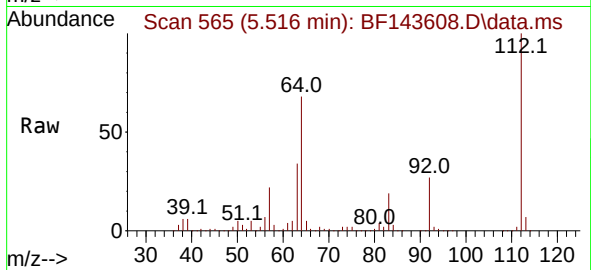




#5
2-Fluorophenol
Concen: 127.528 ng
RT: 5.516 min Scan# 50
Delta R.T. 0.012 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

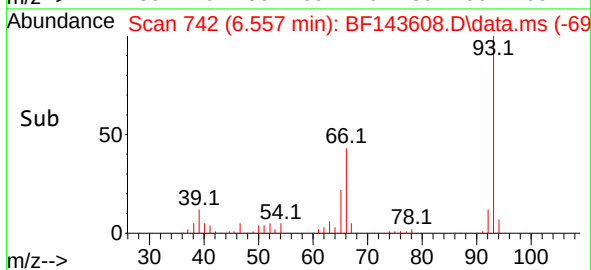
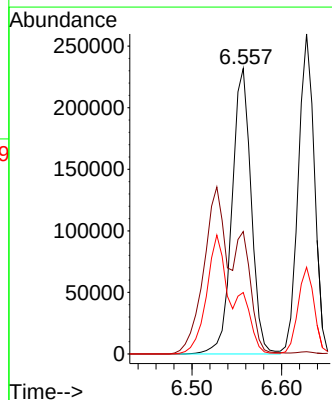
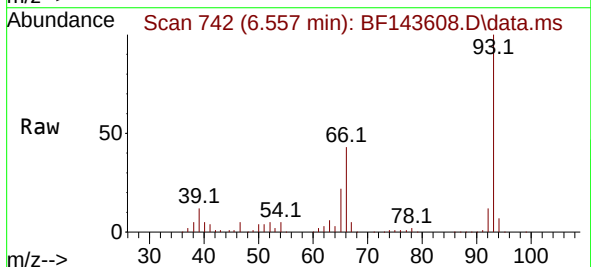
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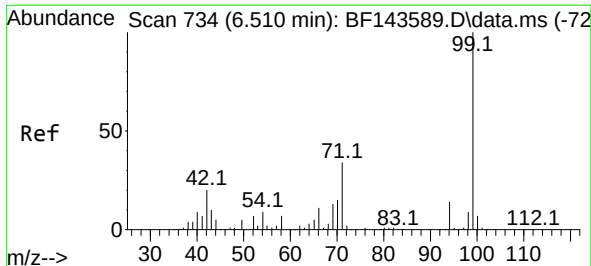
Tgt Ion:112 Resp: 845129
Ion Ratio Lower Upper
112 100
64 67.5 54.8 82.2
63 34.5 27.6 41.4



#6
Aniline
Concen: 29.967 ng
RT: 6.557 min Scan# 742
Delta R.T. 0.000 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

Tgt Ion: 93 Resp: 343386
Ion Ratio Lower Upper
93 100
66 42.9 35.0 52.4
65 21.5 17.5 26.3

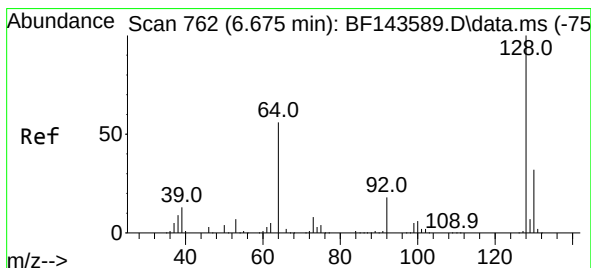
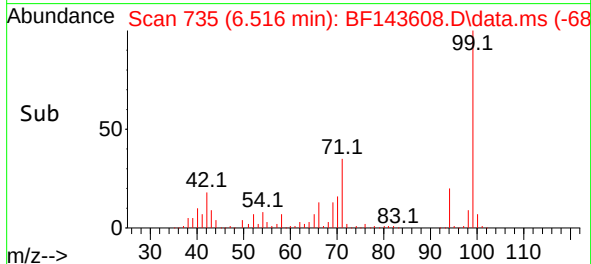
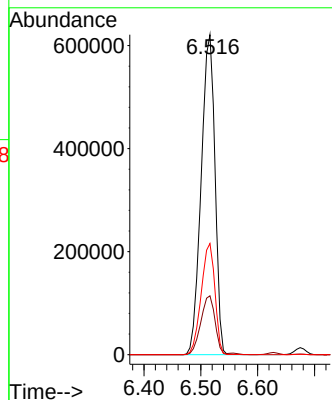
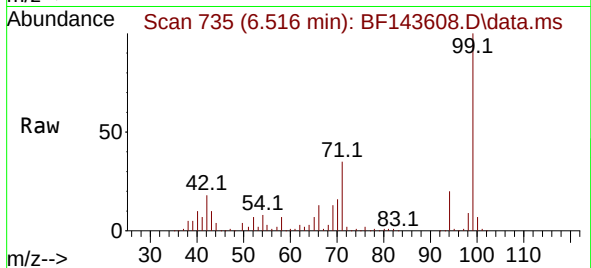




#7
Phenol-d6
Concen: 127.638 ng
RT: 6.516 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

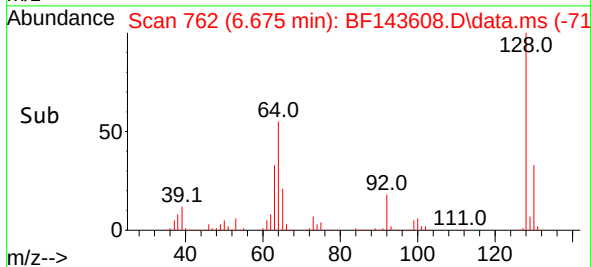
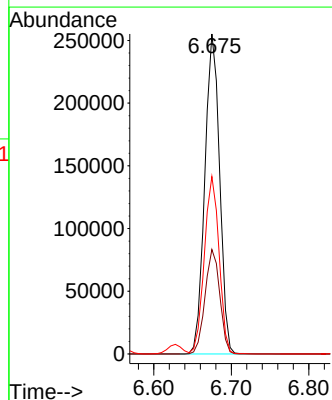
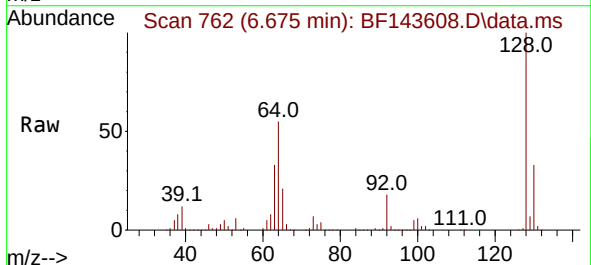
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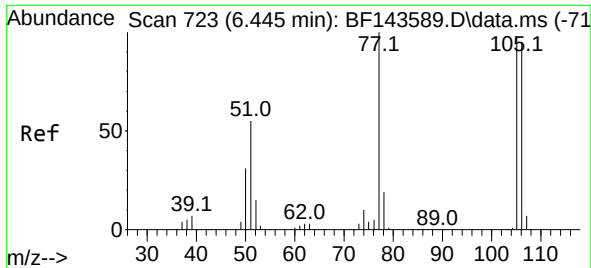
Tgt Ion: 99 Resp: 1047644
Ion Ratio Lower Upper
99 100
42 18.4 15.9 23.9
71 34.8 27.2 40.8



#8
2-Chlorophenol
Concen: 48.314 ng
RT: 6.675 min Scan# 762
Delta R.T. 0.000 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

Tgt Ion: 128 Resp: 338740
Ion Ratio Lower Upper
128 100
130 32.7 12.3 52.3
64 55.4 38.4 78.4





#9

Benzaldehyde

Concen: 13.934 ng

RT: 6.440 min Scan# 71

Delta R.T. -0.005 min

Lab File: BF143608.D

Acq: 28 Aug 2025 14:12

Instrument :

BNA_F

ClientSampleId :

PB169431BS

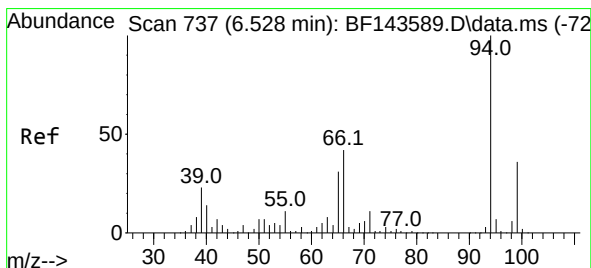
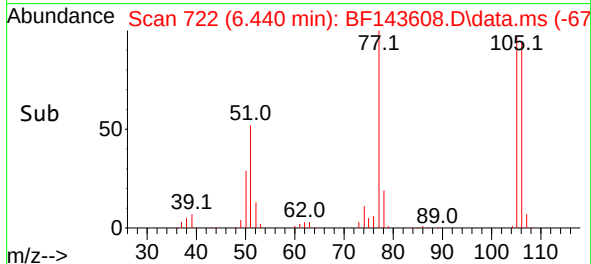
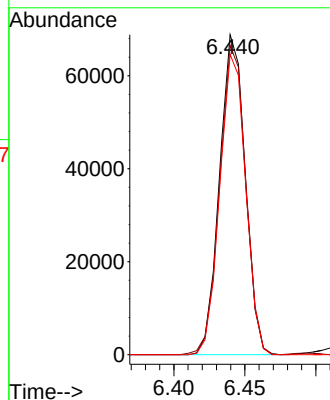
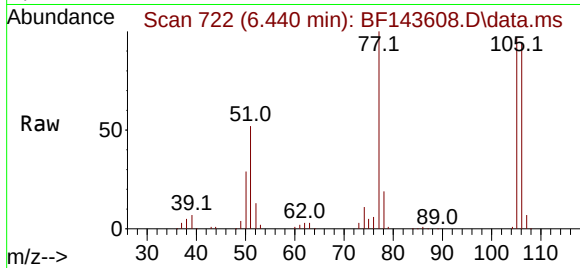
Tgt Ion: 77 Resp: 86057

Ion Ratio Lower Upper

77 100

105 96.6 77.9 117.9

106 93.9 74.9 114.9



#10

Phenol

Concen: 47.327 ng

RT: 6.528 min Scan# 737

Delta R.T. 0.000 min

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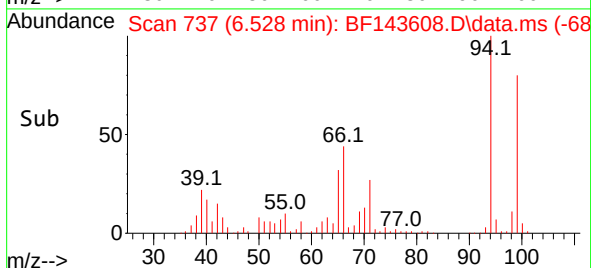
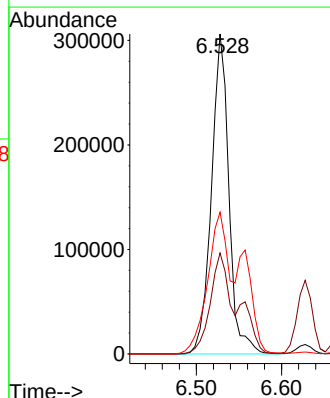
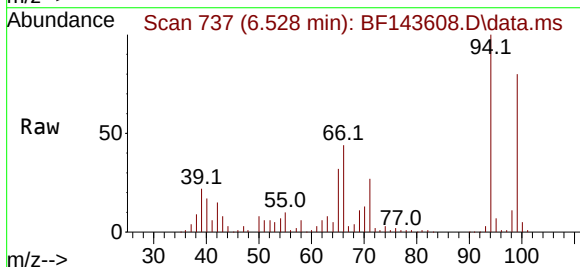
Tgt Ion: 94 Resp: 435674

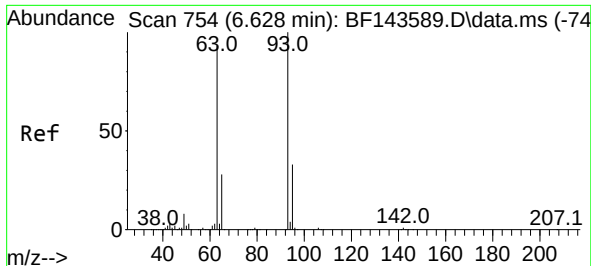
Ion Ratio Lower Upper

94 100

65 31.5 11.0 51.0

66 44.3 22.1 62.1

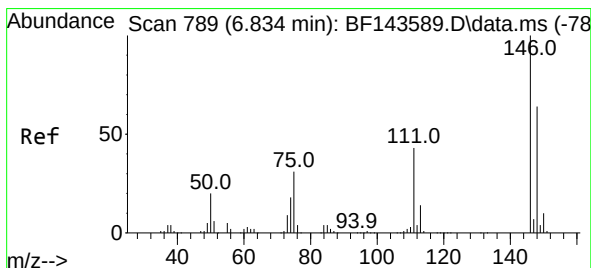
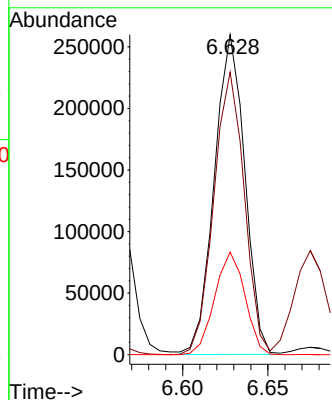
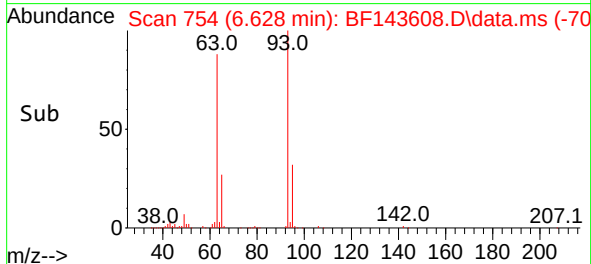
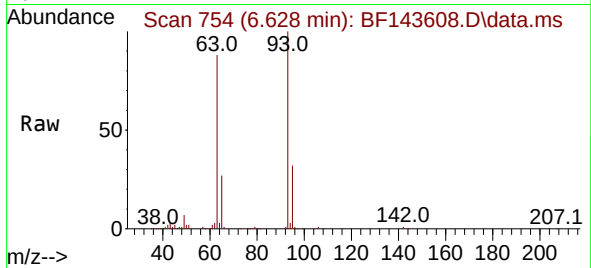




#11
bis(2-Chloroethyl)ether
Concen: 45.805 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.000 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

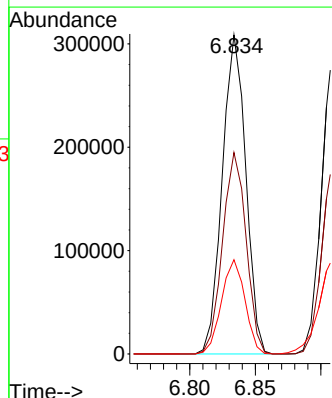
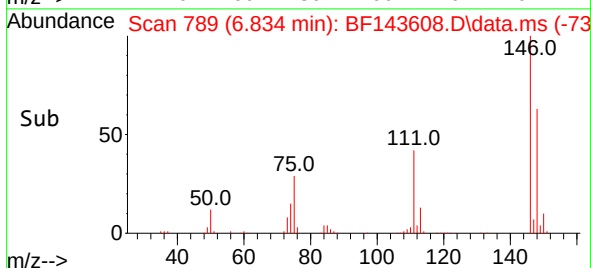
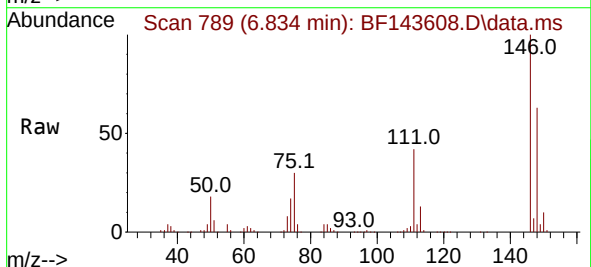
Instrument :
BNA_F
ClientSampleId :
PB169431BS

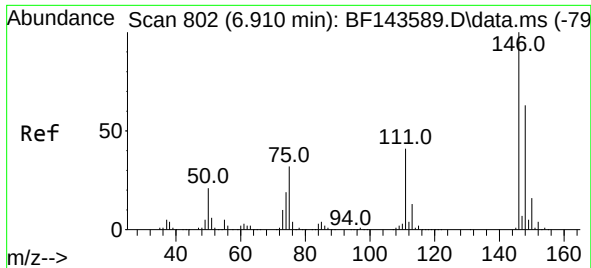
Tgt Ion: 93 Resp: 323117
Ion Ratio Lower Upper
93 100
63 88.3 72.1 112.1
95 32.0 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 47.770 ng
RT: 6.834 min Scan# 789
Delta R.T. 0.000 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

Tgt Ion: 146 Resp: 384719
Ion Ratio Lower Upper
146 100
148 63.1 51.1 76.7
75 29.5 25.2 37.8

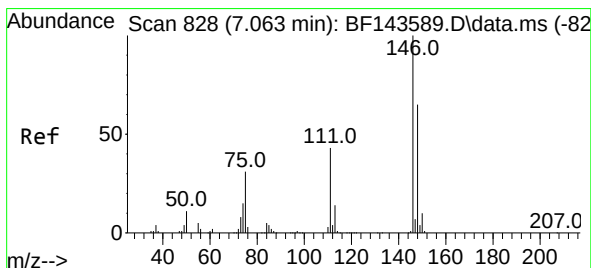
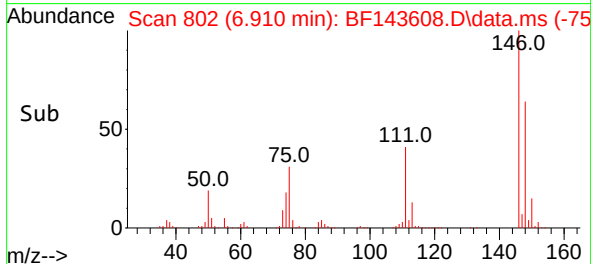
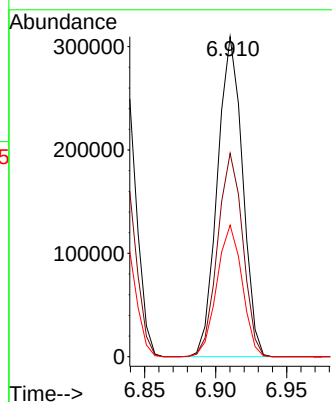
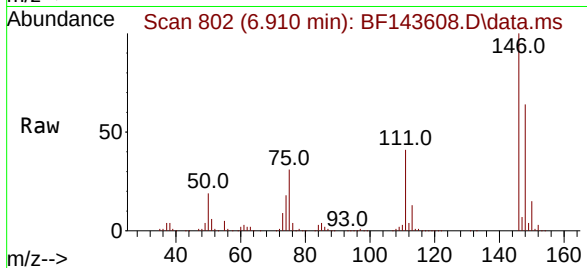




#13
1,4-Dichlorobenzene
Concen: 46.888 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.000 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

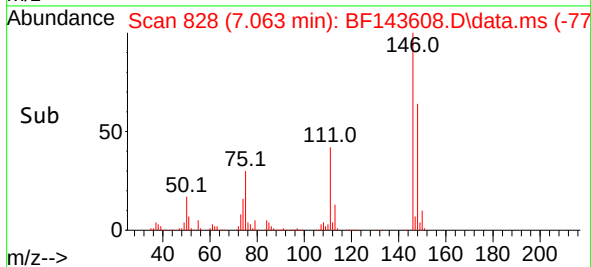
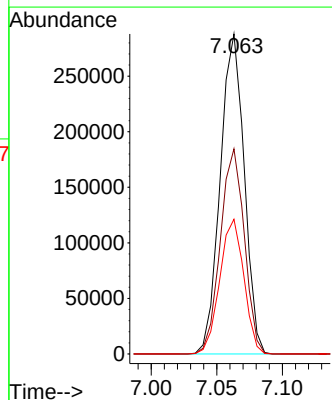
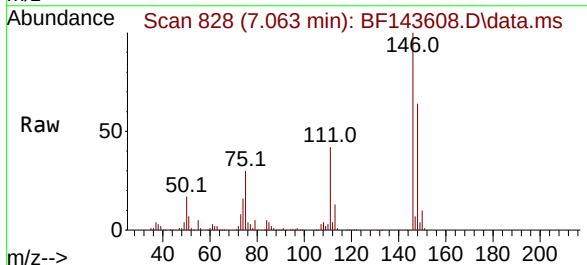
Instrument :
BNA_F
ClientSampleId :
PB169431BS

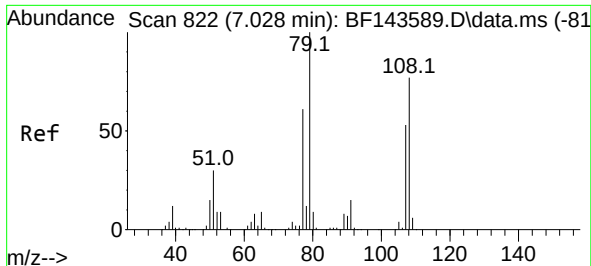
Tgt Ion:146 Resp: 380769
Ion Ratio Lower Upper
146 100
148 63.6 50.6 75.8
111 41.1 32.4 48.6



#14
1,2-Dichlorobenzene
Concen: 47.494 ng
RT: 7.063 min Scan# 828
Delta R.T. 0.000 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

Tgt Ion:146 Resp: 365838
Ion Ratio Lower Upper
146 100
148 64.1 51.7 77.5
111 42.1 34.7 52.1

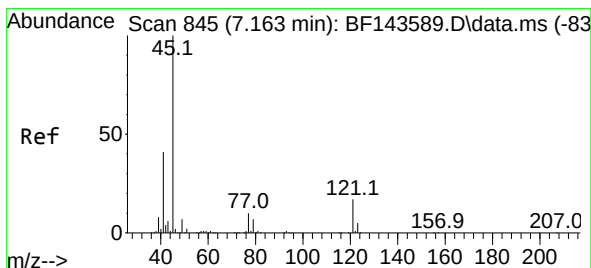
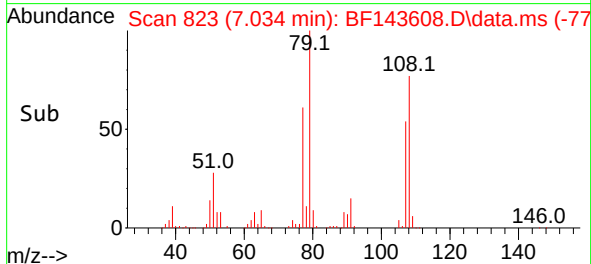
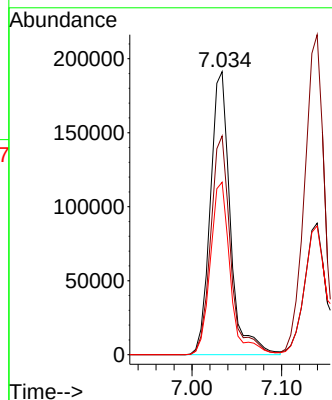
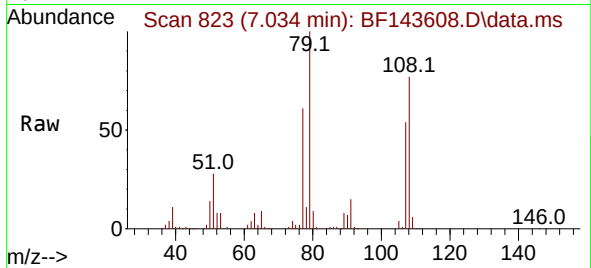




#15
Benzyl Alcohol
Concen: 47.972 ng
RT: 7.034 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

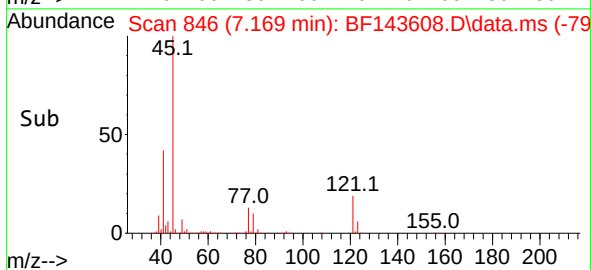
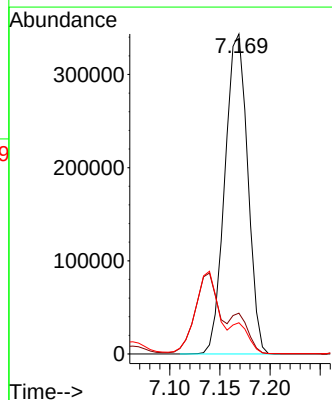
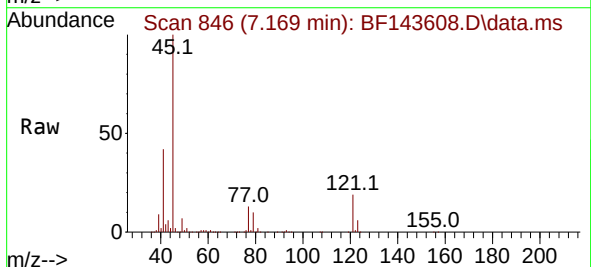
Instrument :
BNA_F
ClientSampleId :
PB169431BS

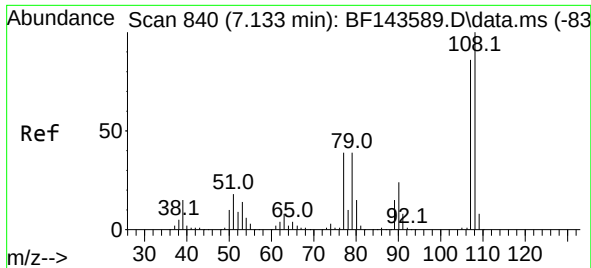
Tgt Ion: 79 Resp: 295098
Ion Ratio Lower Upper
79 100
108 77.3 61.3 91.9
77 61.0 48.7 73.1



#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.648 ng
RT: 7.169 min Scan# 846
Delta R.T. 0.006 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

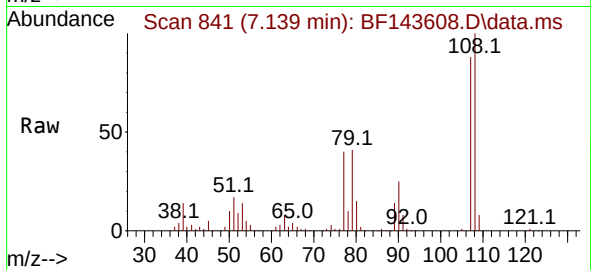
Tgt Ion: 45 Resp: 542299
Ion Ratio Lower Upper
45 100
77 12.7 0.0 31.1
79 9.8 0.0 28.1



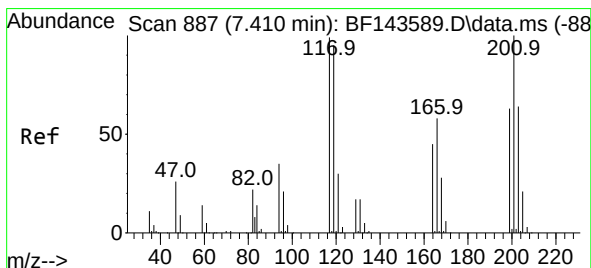
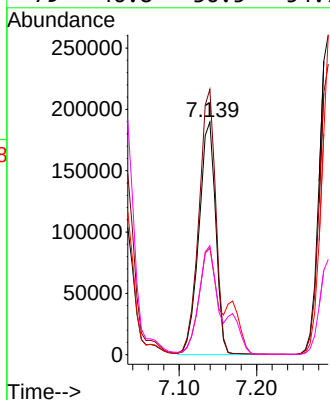
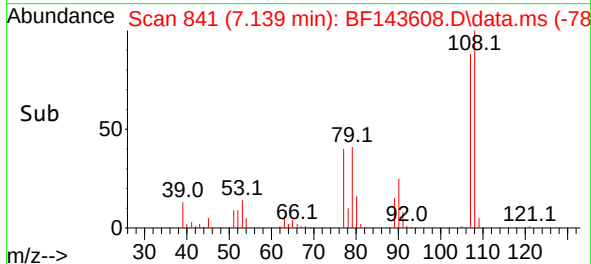


#17
2-Methylphenol
Concen: 48.090 ng
RT: 7.139 min Scan# 841
Delta R.T. 0.006 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

Instrument :
BNA_F
ClientSampleId :
PB169431BS

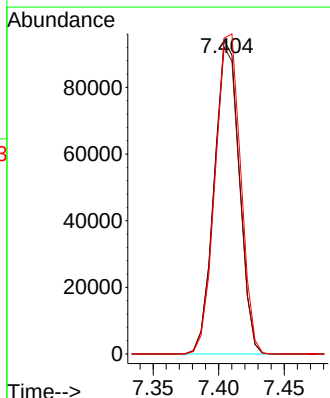
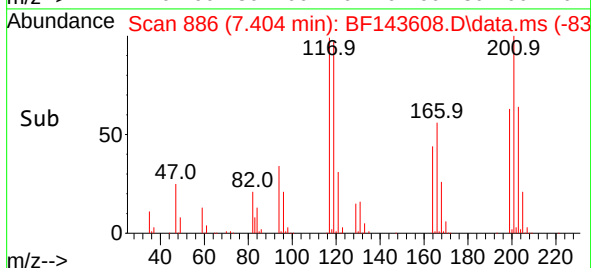
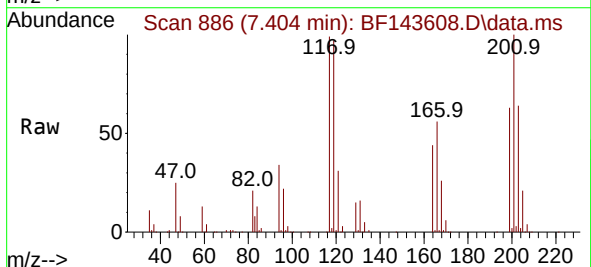


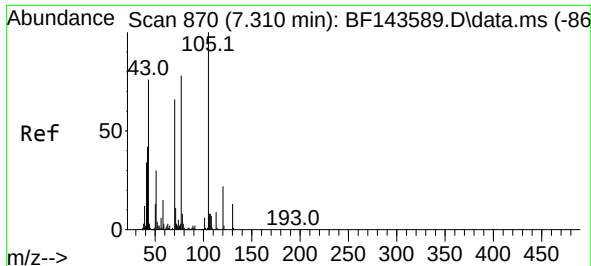
Tgt Ion:	107	Resp:	286232
Ion	Ratio	Lower	Upper
107	100		
108	114.0	92.6	138.8
77	45.9	36.3	54.5
79	46.8	36.5	54.7



#18
Hexachloroethane
Concen: 48.538 ng
RT: 7.404 min Scan# 886
Delta R.T. -0.006 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

Tgt Ion:	117	Resp:	125244
Ion	Ratio	Lower	Upper
117	100		
119	97.8	76.6	115.0
201	100.6	81.0	121.4





#19

n-Nitroso-di-n-propylamine

Concen: 46.667 ng

RT: 7.304 min Scan# 8

Delta R.T. -0.006 min

Lab File: BF143608.D

Acq: 28 Aug 2025 14:12

Instrument :

BNA_F

ClientSampleId :

PB169431BS

Tgt Ion: 70 Resp: 242660

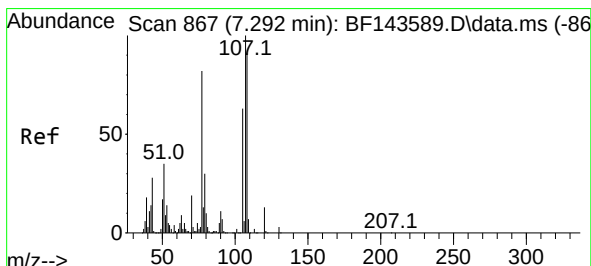
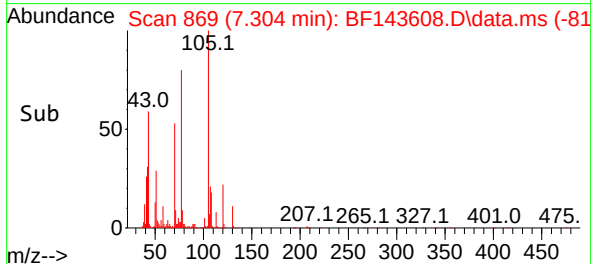
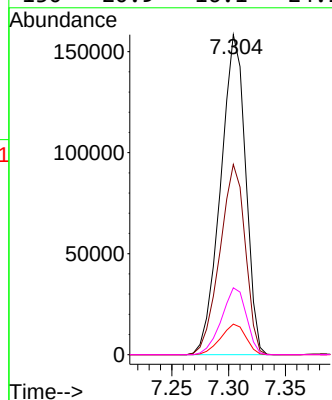
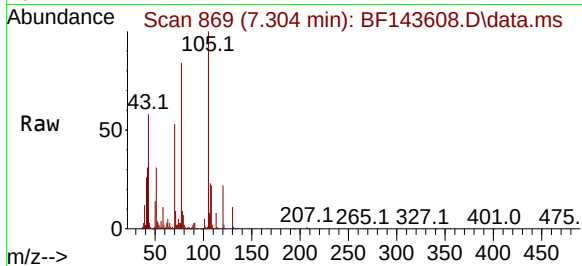
Ion Ratio Lower Upper

70 100

42 59.4 50.6 75.8

101 9.6 7.5 11.3

130 20.9 16.1 24.1



#20

3+4-Methylphenols

Concen: 47.838 ng

RT: 7.292 min Scan# 867

Delta R.T. 0.000 min

Lab File: BF143608.D

Acq: 28 Aug 2025 14:12

Tgt Ion:107 Resp: 349713

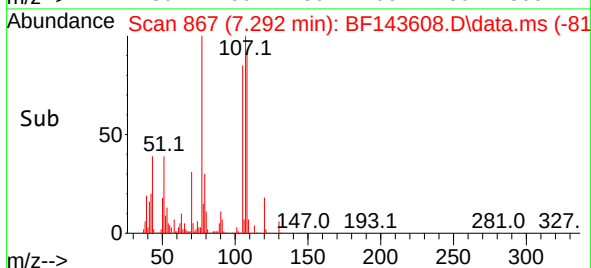
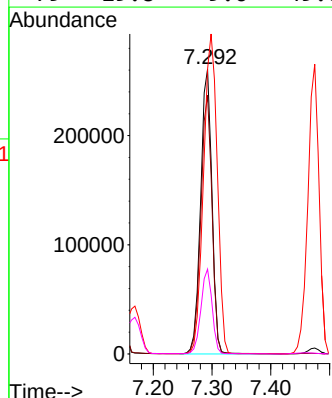
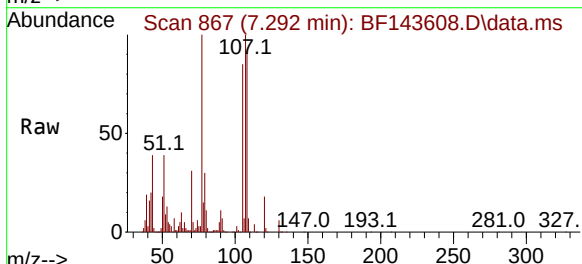
Ion Ratio Lower Upper

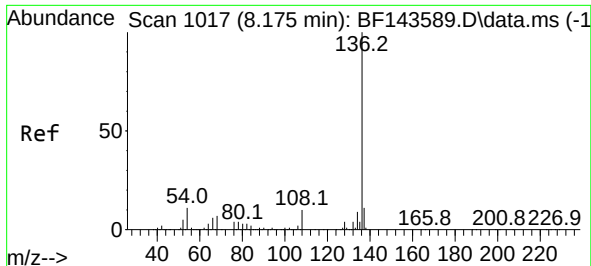
107 100

108 90.8 71.1 111.1

77 99.9 62.5 102.5

79 29.8 9.6 49.6

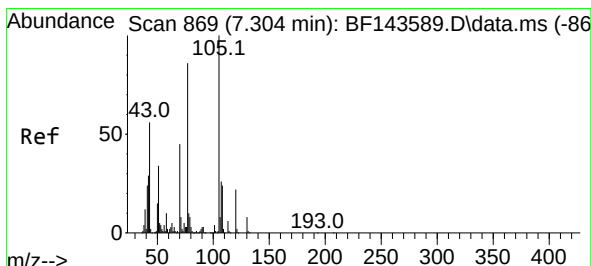
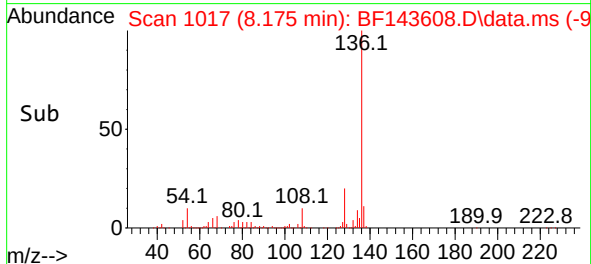
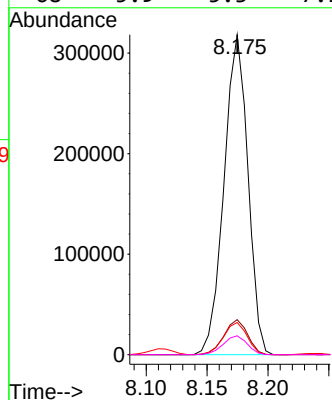
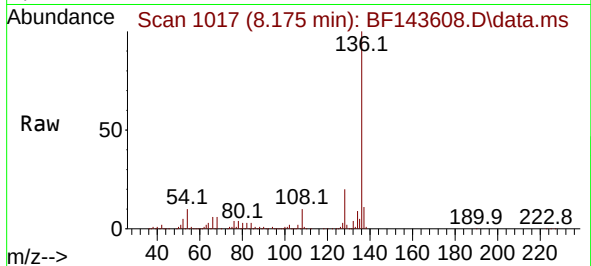




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.000 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

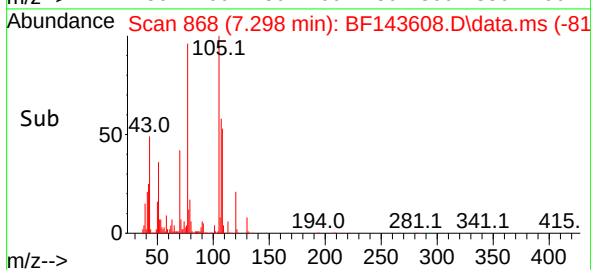
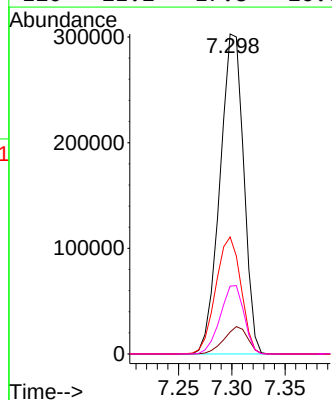
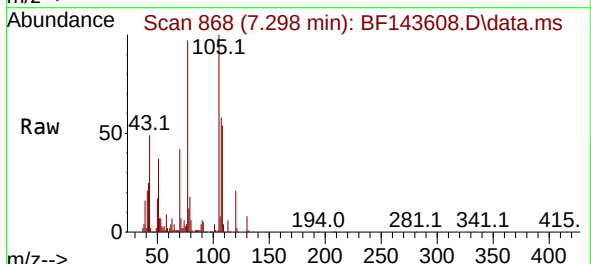
Instrument :
BNA_F
ClientSampleId :
PB169431BS

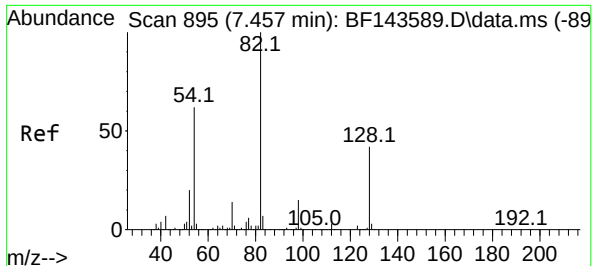
Tgt Ion:	136	Resp:	434551
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	10.1	9.0	13.6
68	5.9	5.3	7.9



#22
Acetophenone
Concen: 48.011 ng
RT: 7.298 min Scan# 868
Delta R.T. -0.006 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

Tgt Ion:	105	Resp:	469854
Ion Ratio	Lower	Upper	
105	100		
71	6.8	6.0	9.0
51	36.6	27.0	40.6
120	21.2	17.8	26.6





#23

Nitrobenzene-d5

Concen: 106.627 ng

RT: 7.457 min Scan# 895

Delta R.T. 0.000 min

Lab File: BF143608.D

Acq: 28 Aug 2025 14:12

Instrument :

BNA_F

ClientSampleId :

PB169431BS

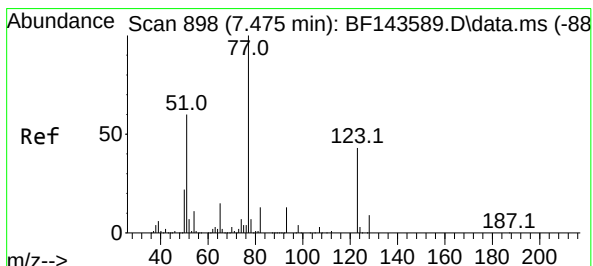
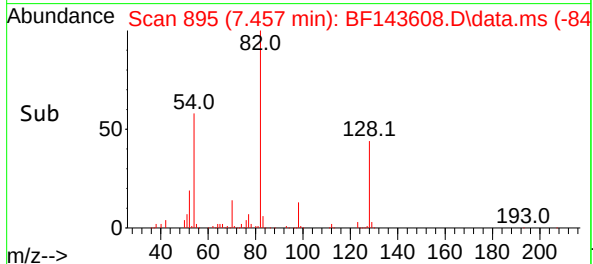
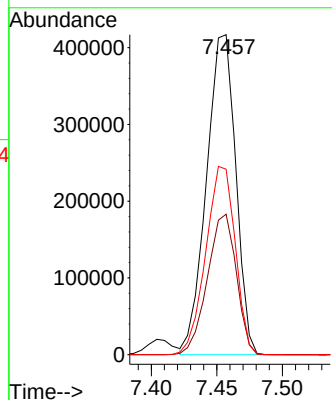
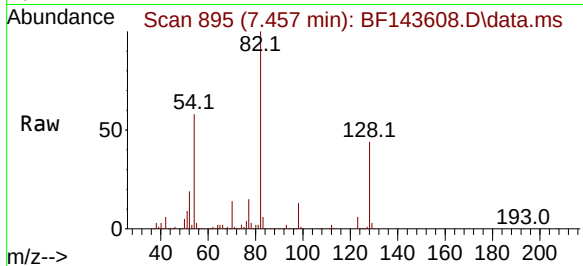
Tgt Ion: 82 Resp: 648938

Ion Ratio Lower Upper

82 100

128 43.9 33.4 50.2

54 58.0 49.3 73.9



#24

Nitrobenzene

Concen: 54.192 ng

RT: 7.475 min Scan# 898

Delta R.T. 0.000 min

Lab File: BF143608.D

Acq: 28 Aug 2025 14:12

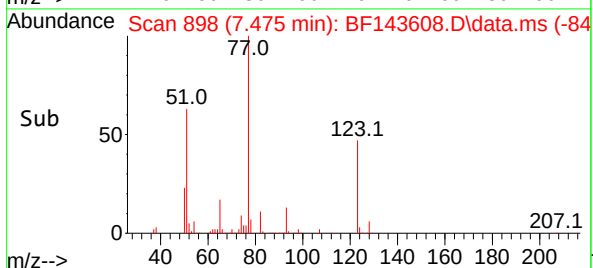
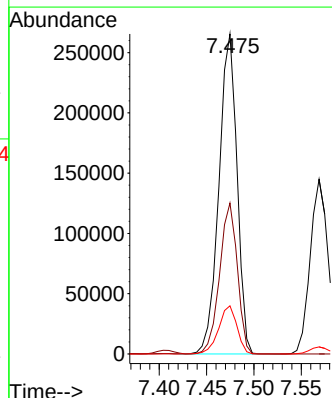
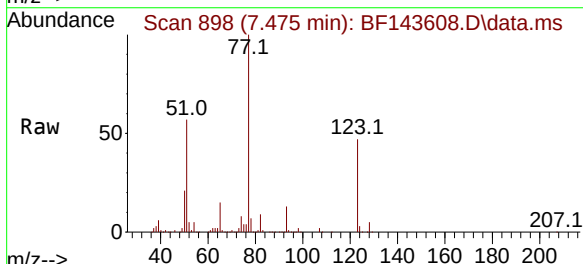
Tgt Ion: 77 Resp: 353600

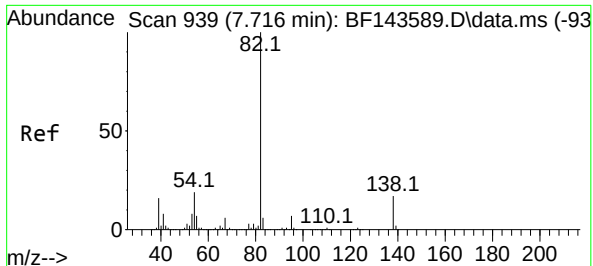
Ion Ratio Lower Upper

77 100

123 47.2 34.9 52.3

65 15.1 12.0 18.0

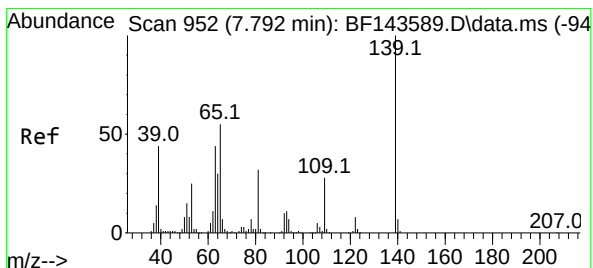
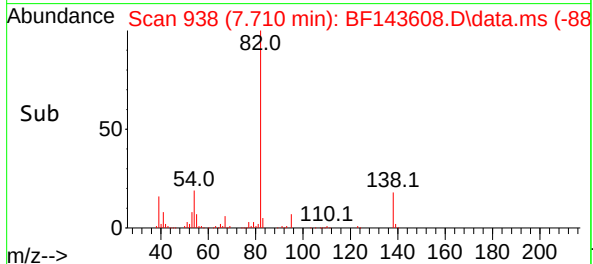
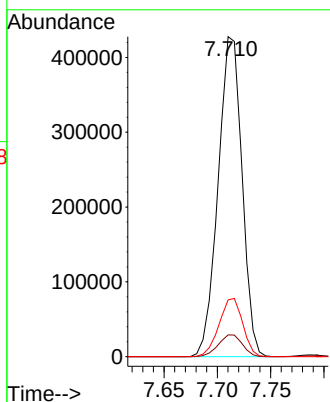
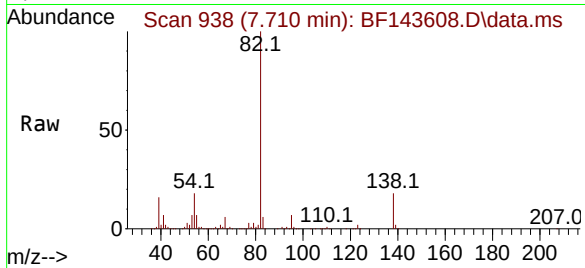




#25
Isophorone
Concen: 46.899 ng
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

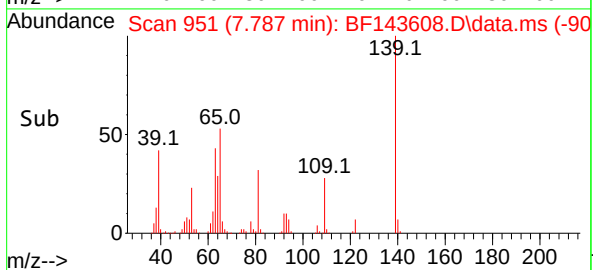
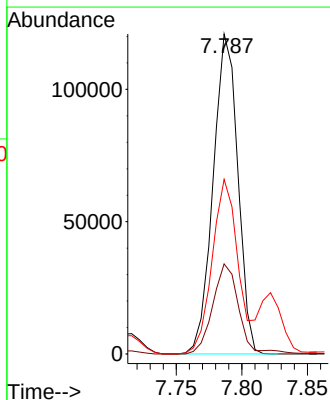
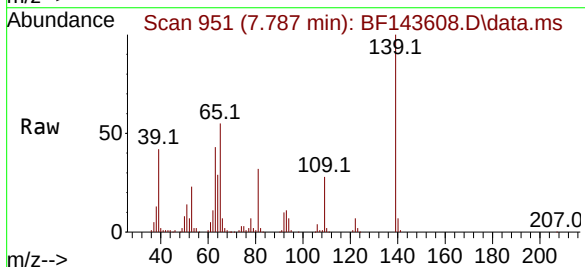
Instrument :
BNA_F
ClientSampleId :
PB169431BS

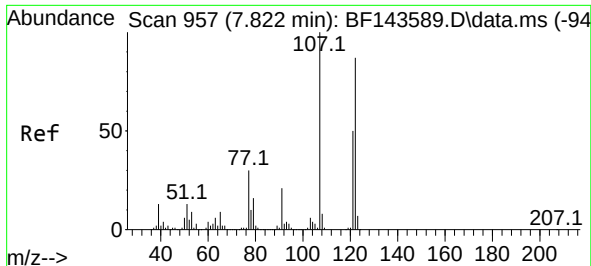
Tgt Ion: 82 Resp: 667958
Ion Ratio Lower Upper
82 100
95 6.8 5.5 8.3
138 17.8 13.8 20.8



#26
2-Nitrophenol
Concen: 56.146 ng
RT: 7.787 min Scan# 951
Delta R.T. -0.005 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

Tgt Ion: 139 Resp: 158113
Ion Ratio Lower Upper
139 100
109 28.1 22.3 33.5
65 54.6 44.0 66.0





#27

2,4-Dimethylphenol

Concen: 52.178 ng

RT: 7.822 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF143608.D

Acq: 28 Aug 2025 14:12

Instrument :

BNA_F

ClientSampleId :

PB169431BS

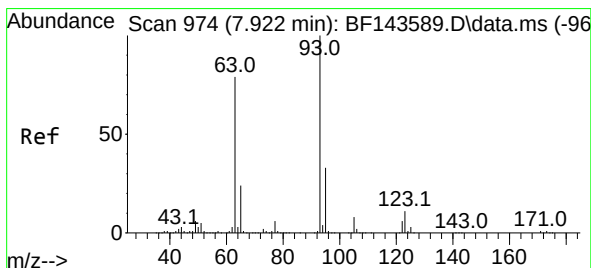
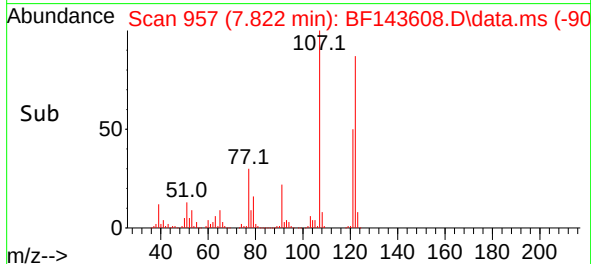
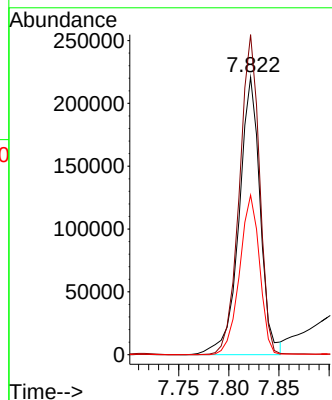
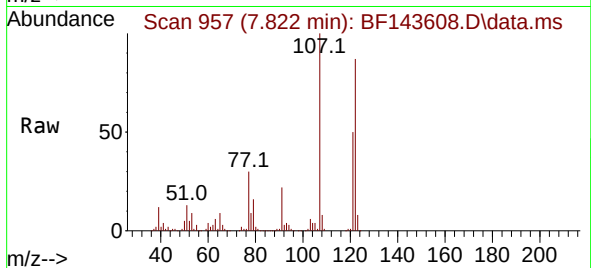
Tgt Ion:122 Resp: 323342

Ion Ratio Lower Upper

122 100

107 115.4 92.1 138.1

121 57.5 46.2 69.4



#28

bis(2-Chloroethoxy)methane

Concen: 46.780 ng

RT: 7.922 min Scan# 974

Delta R.T. 0.000 min

Lab File: BF143608.D

Acq: 28 Aug 2025 14:12

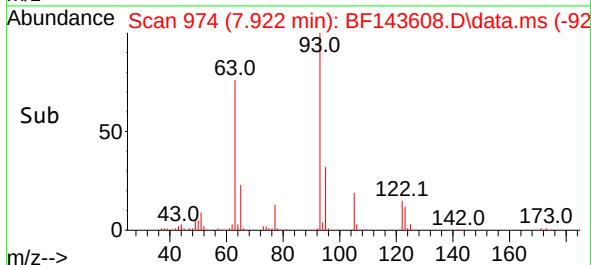
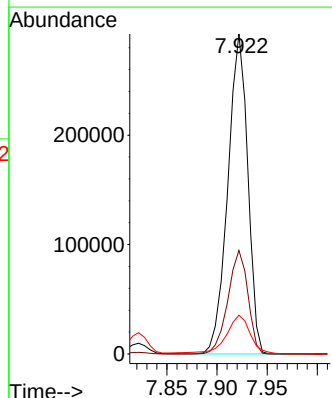
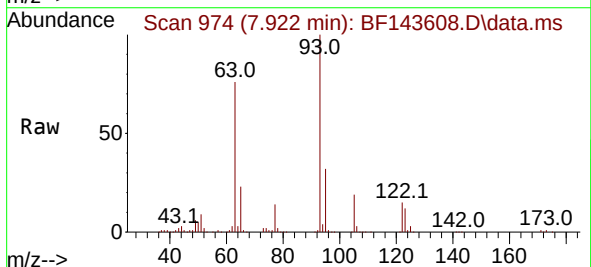
Tgt Ion: 93 Resp: 403101

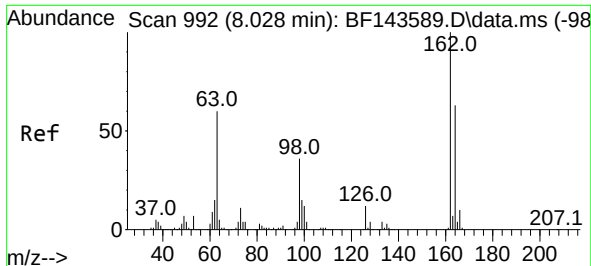
Ion Ratio Lower Upper

93 100

95 32.4 26.2 39.2

123 12.1 9.3 13.9





#29

2,4-Dichlorophenol

Concen: 49.174 ng

RT: 8.028 min Scan# 992

Delta R.T. 0.000 min

Lab File: BF143608.D

Acq: 28 Aug 2025 14:12

Instrument :

BNA_F

ClientSampleId :

PB169431BS

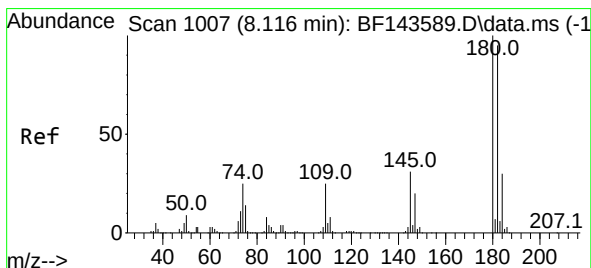
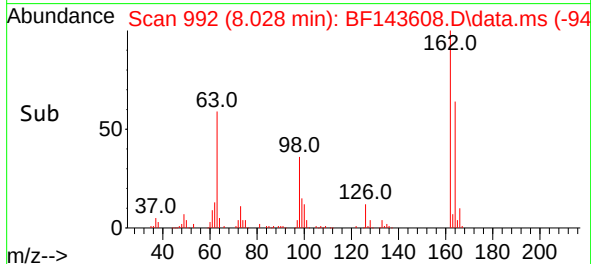
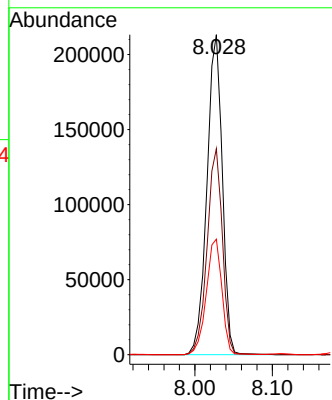
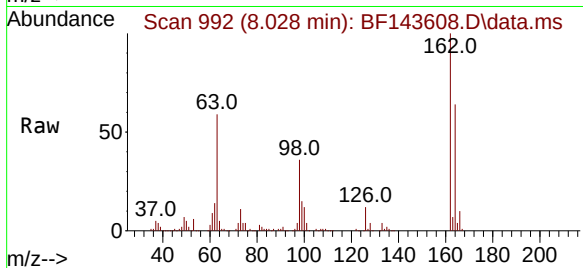
Tgt Ion:162 Resp: 293598

Ion Ratio Lower Upper

162 100

164 64.3 43.3 83.3

98 36.1 16.1 56.1



#30

1,2,4-Trichlorobenzene

Concen: 50.279 ng

RT: 8.116 min Scan# 1007

Delta R.T. 0.000 min

Lab File: BF143608.D

Acq: 28 Aug 2025 14:12

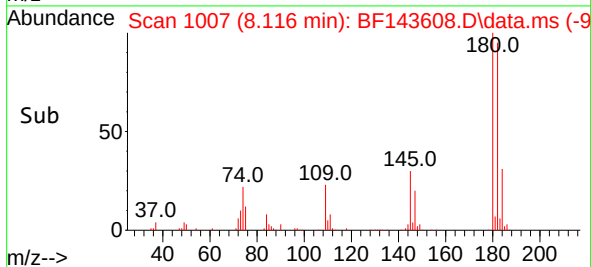
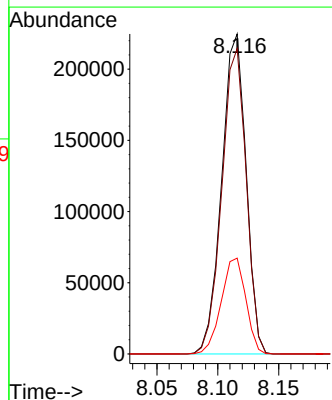
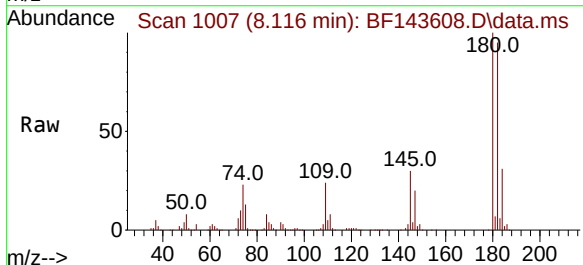
Tgt Ion:180 Resp: 313429

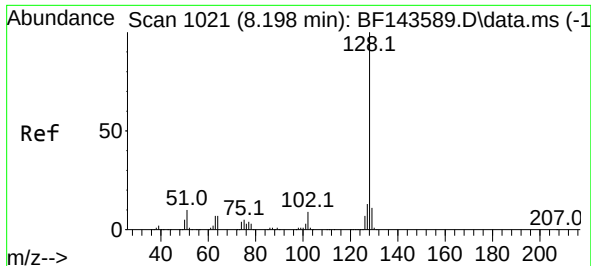
Ion Ratio Lower Upper

180 100

182 95.5 75.8 113.6

145 30.0 24.5 36.7

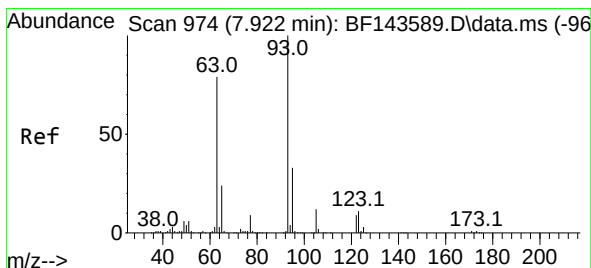
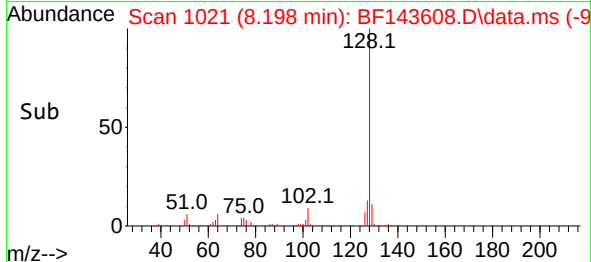
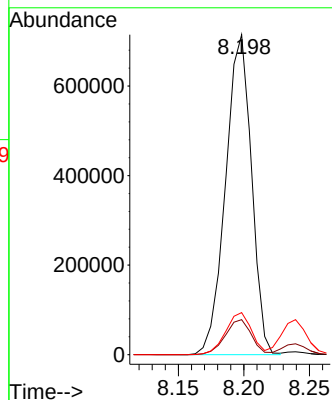
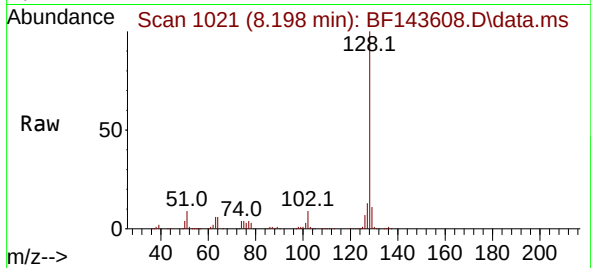




#31
Naphthalene
Concen: 46.753 ng
RT: 8.198 min Scan# 1021
Delta R.T. 0.000 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

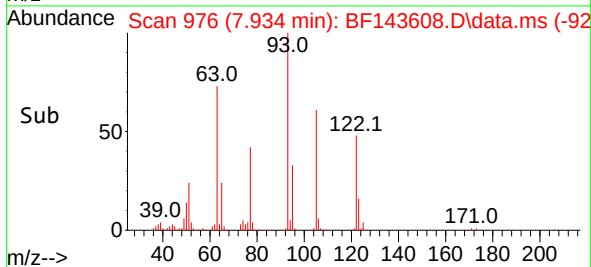
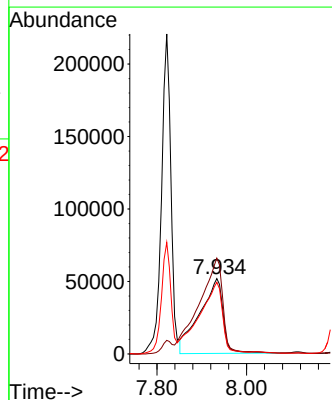
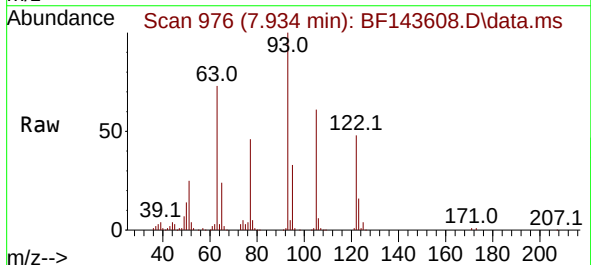
Instrument :
BNA_F
ClientSampleId :
PB169431BS

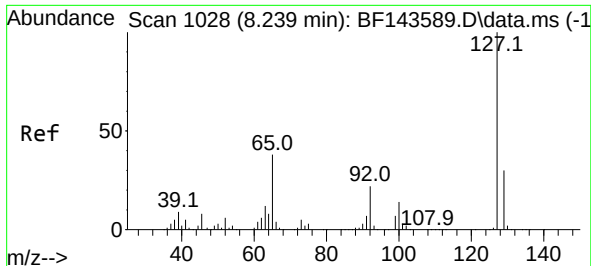
Tgt Ion:128 Resp: 981580
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.4
127 13.2 10.6 15.8



#32
Benzoic acid
Concen: 55.955 ng
RT: 7.934 min Scan# 976
Delta R.T. 0.012 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

Tgt Ion:122 Resp: 186911
Ion Ratio Lower Upper
122 100
105 127.2 106.4 146.4
77 95.3 79.3 119.3

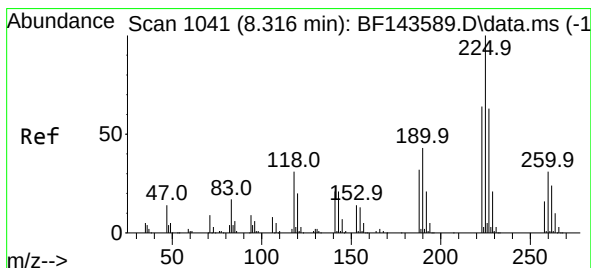
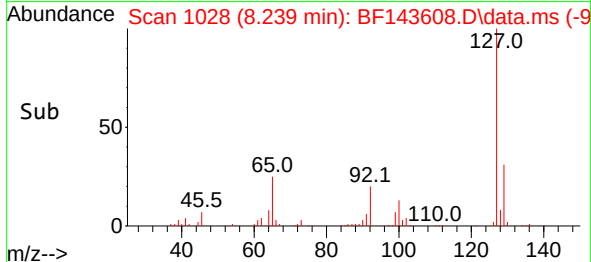
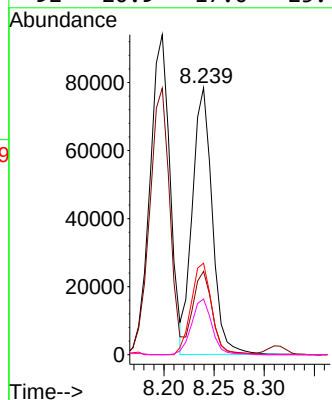
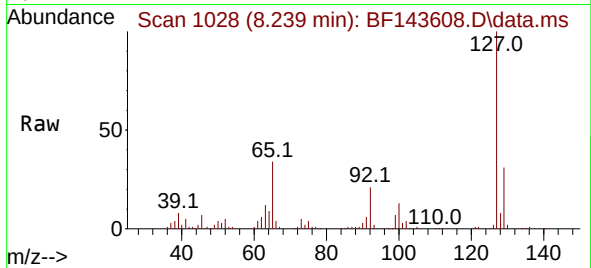




#33
4-Chloroaniline
Concen: 14.579 ng
RT: 8.239 min Scan# 1028
Delta R.T. 0.000 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

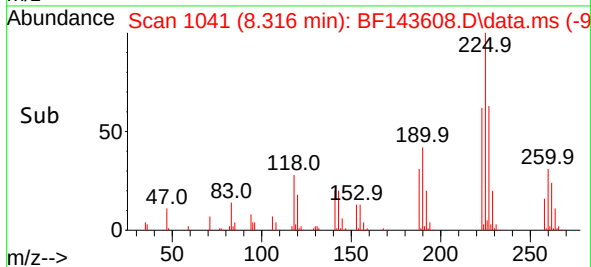
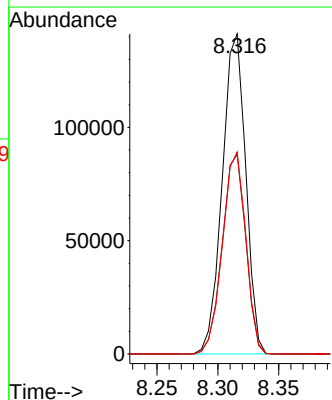
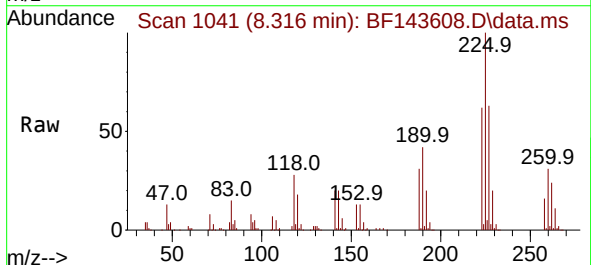
Instrument :
BNA_F
ClientSampleId :
PB169431BS

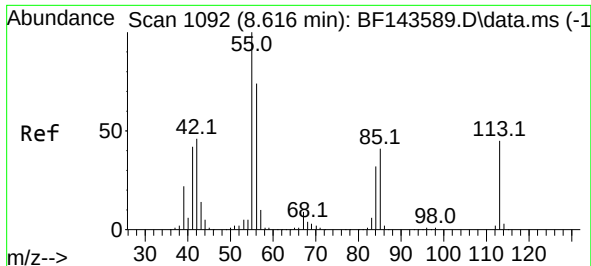
Tgt Ion:	127	Resp:	108137
Ion	Ratio	Lower	Upper
127	100		
129	31.2	25.8	38.6
65	34.3	29.7	44.5
92	20.9	17.0	25.4



#34
Hexachlorobutadiene
Concen: 48.322 ng
RT: 8.316 min Scan# 1041
Delta R.T. 0.000 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

Tgt Ion:	225	Resp:	189817
Ion	Ratio	Lower	Upper
225	100		
223	62.4	50.8	76.2
227	63.2	50.6	76.0

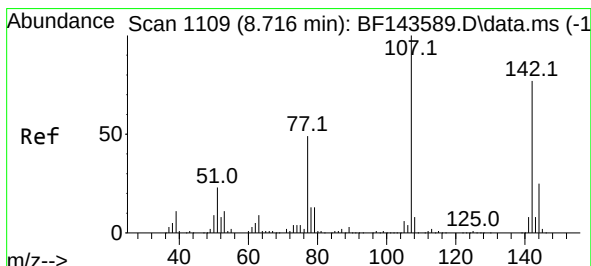
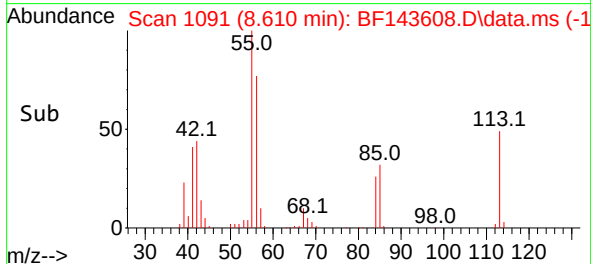
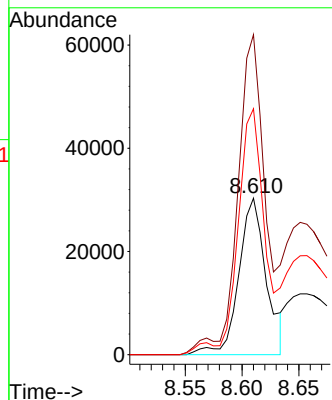
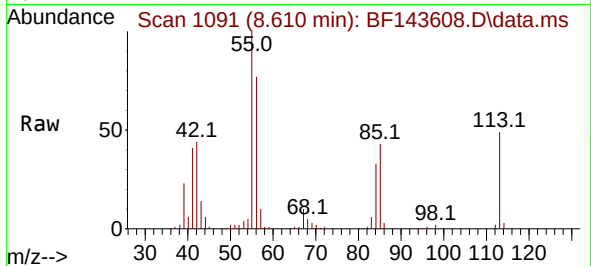




#35
 Caprolactam
 Concen: 29.953 ng
 RT: 8.610 min Scan# 1109
 Delta R.T. -0.006 min
 Lab File: BF143608.D
 Acq: 28 Aug 2025 14:12

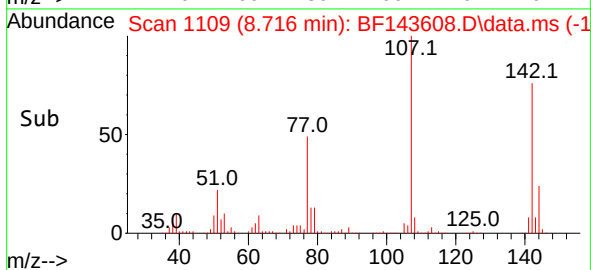
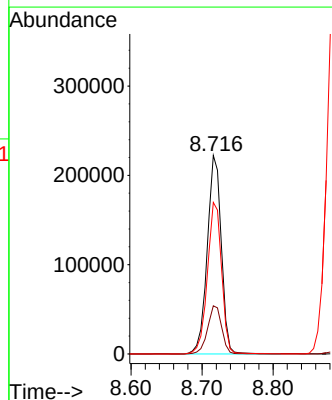
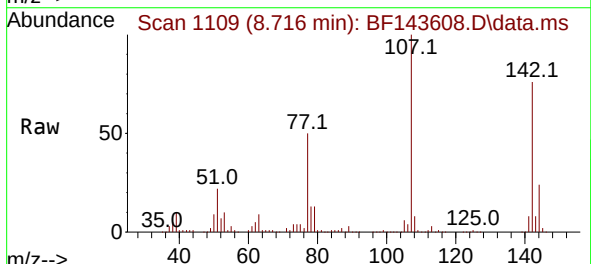
Instrument :
 BNA_F
 ClientSampleId :
 PB169431BS

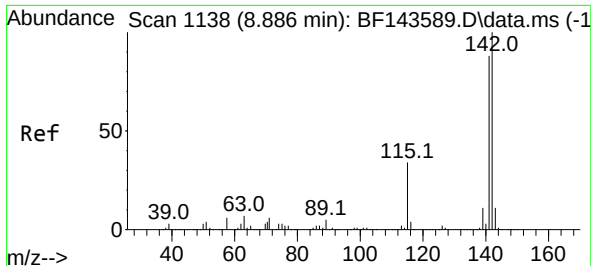
Tgt Ion:113 Resp: 50807
 Ion Ratio Lower Upper
 113 100
 55 204.6 202.1 242.1
 56 157.2 145.4 185.4



#36
 4-Chloro-3-methylphenol
 Concen: 49.201 ng
 RT: 8.716 min Scan# 1109
 Delta R.T. 0.000 min
 Lab File: BF143608.D
 Acq: 28 Aug 2025 14:12

Tgt Ion:107 Resp: 307117
 Ion Ratio Lower Upper
 107 100
 144 24.2 19.8 29.6
 142 76.4 61.7 92.5





#37

2-Methylnaphthalene

Concen: 43.185 ng

RT: 8.886 min Scan# 1138

Delta R.T. 0.000 min

Lab File: BF143608.D

Acq: 28 Aug 2025 14:12

Instrument :

BNA_F

ClientSampleId :

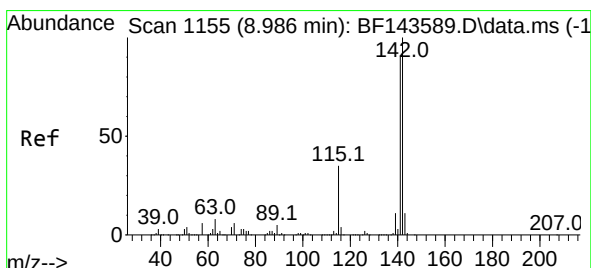
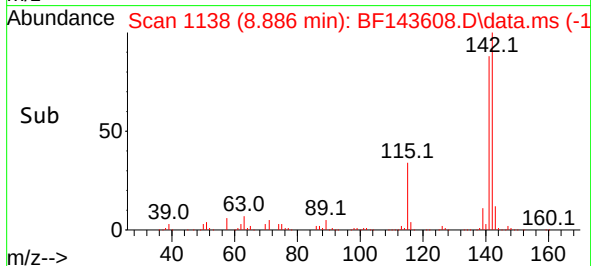
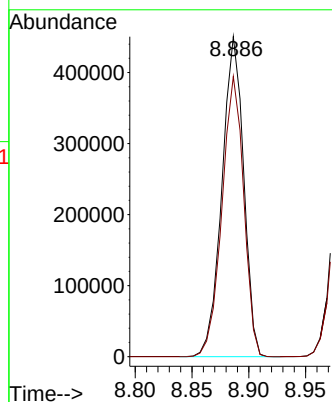
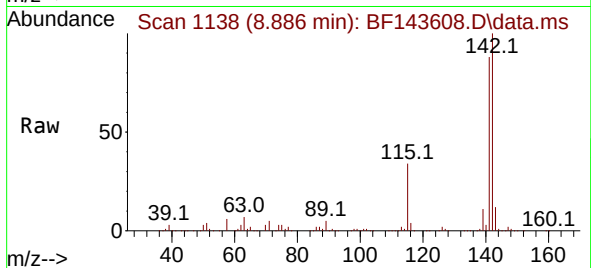
PB169431BS

Tgt Ion:142 Resp: 598772

Ion Ratio Lower Upper

142 100

141 87.6 70.2 105.4



#38

1-Methylnaphthalene

Concen: 46.063 ng

RT: 8.986 min Scan# 1155

Delta R.T. 0.000 min

Lab File: BF143608.D

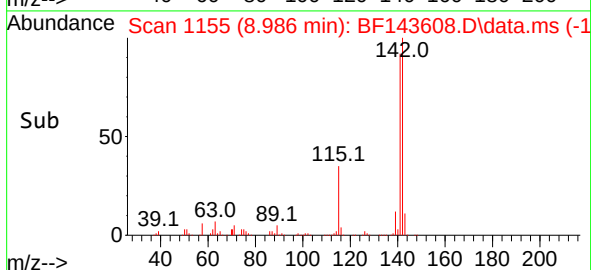
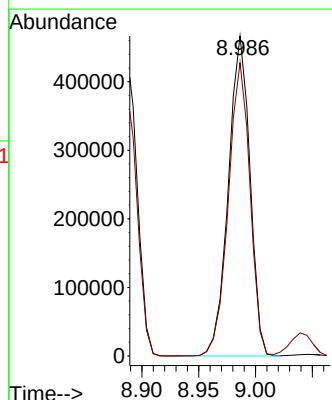
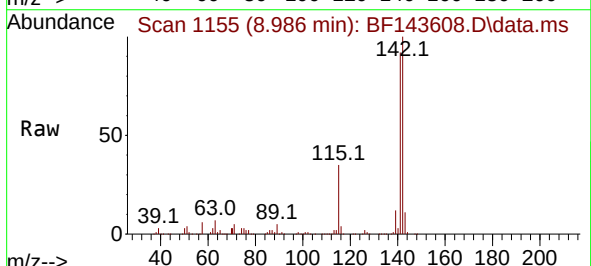
Acq: 28 Aug 2025 14:12

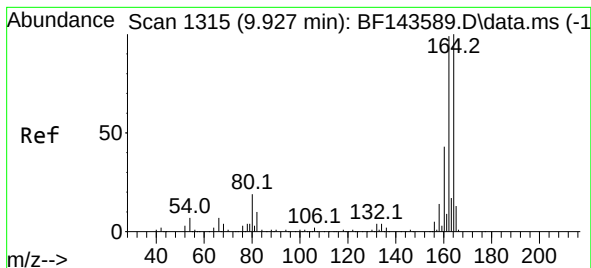
Tgt Ion:142 Resp: 616394

Ion Ratio Lower Upper

142 100

141 91.7 72.6 109.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 1166

Delta R.T. 0.006 min

Lab File: BF143608.D

Acq: 28 Aug 2025 14:12

Instrument :

BNA_F

ClientSampleId :

PB169431BS

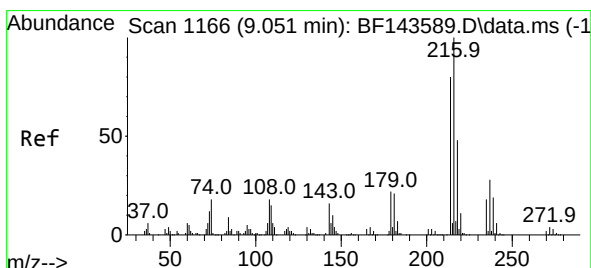
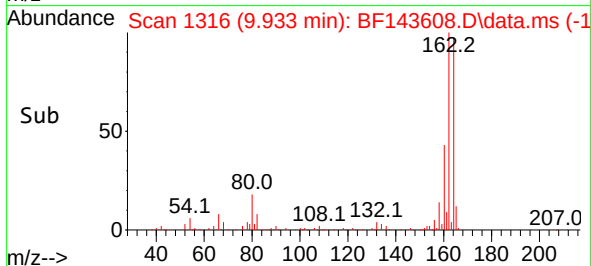
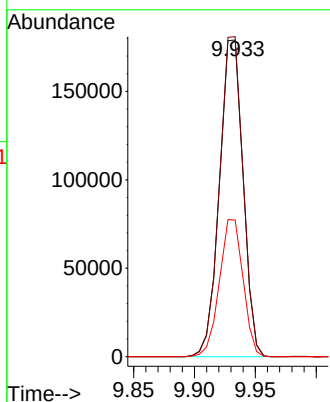
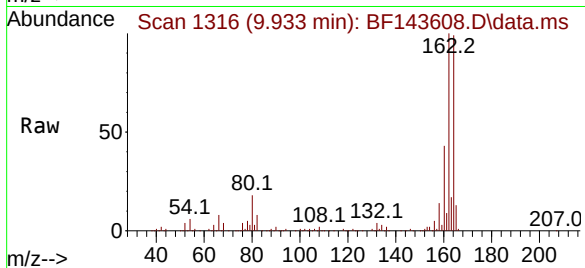
Tgt Ion:164 Resp: 241679

Ion Ratio Lower Upper

164 100

162 101.0 79.5 119.3

160 43.1 34.2 51.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 46.636 ng

RT: 9.051 min Scan# 1166

Delta R.T. 0.000 min

Lab File: BF143608.D

Acq: 28 Aug 2025 14:12

Tgt Ion:216 Resp: 293168

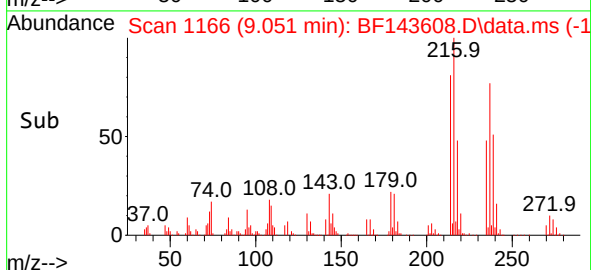
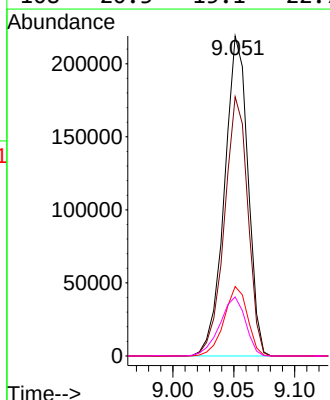
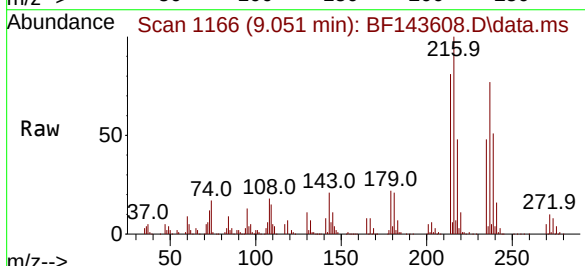
Ion Ratio Lower Upper

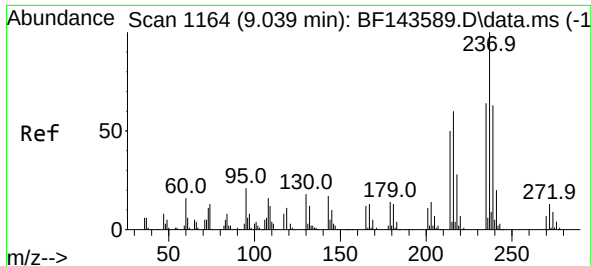
216 100

214 80.7 64.1 96.1

179 21.6 17.4 26.0

108 20.3 15.1 22.7

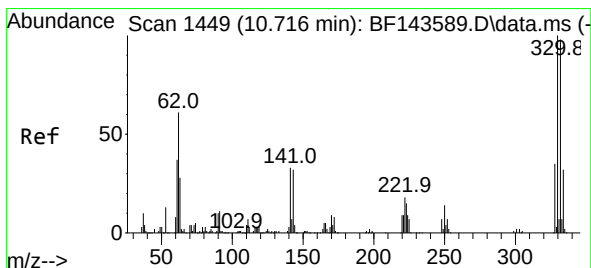
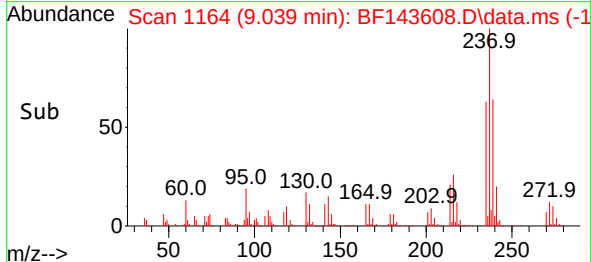
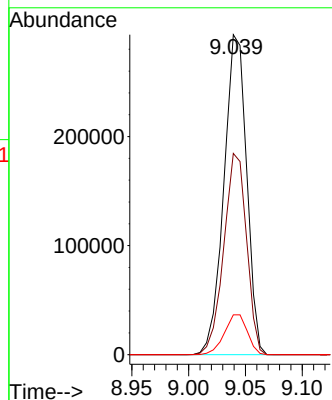
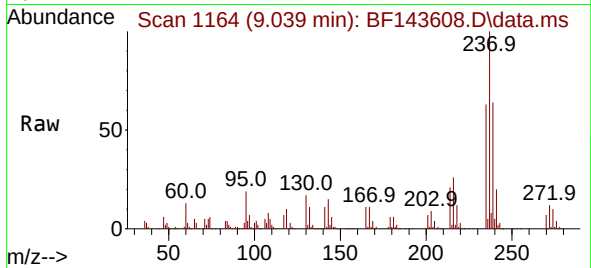




#41
Hexachlorocyclopentadiene
Concen: 132.339 ng
RT: 9.039 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

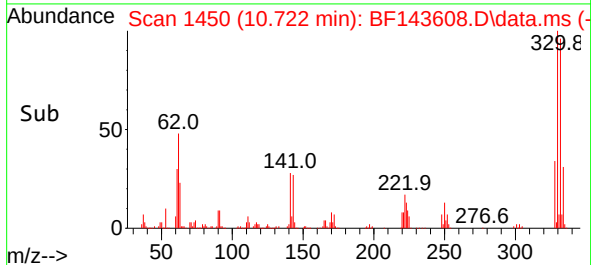
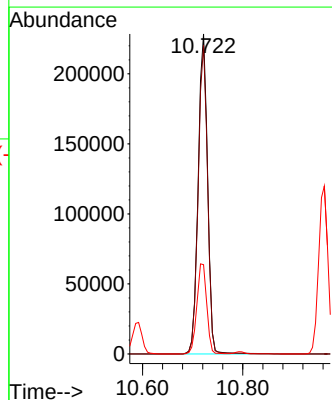
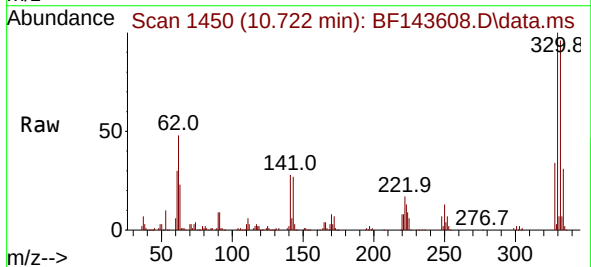
Instrument :
BNA_F
ClientSampleId :
PB169431BS

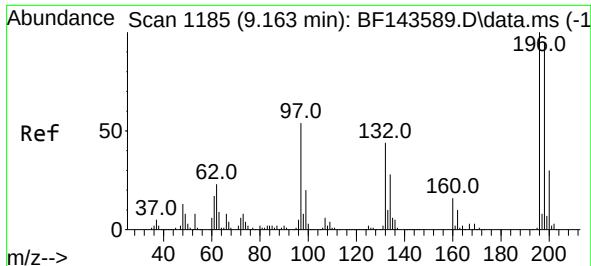
Tgt Ion:237 Resp: 409257
Ion Ratio Lower Upper
237 100
235 62.9 43.8 83.8
272 12.5 0.0 32.8



#42
2,4,6-Tribromophenol
Concen: 156.993 ng
RT: 10.722 min Scan# 1450
Delta R.T. 0.006 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

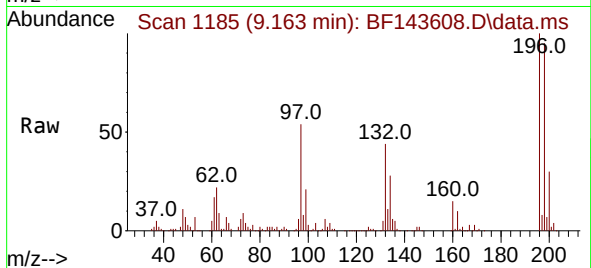
Tgt Ion:330 Resp: 296713
Ion Ratio Lower Upper
330 100
332 96.6 78.2 117.4
141 29.5 25.4 38.0



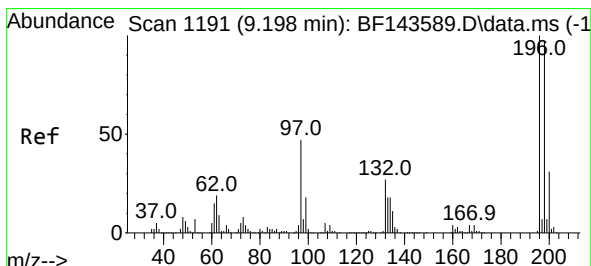
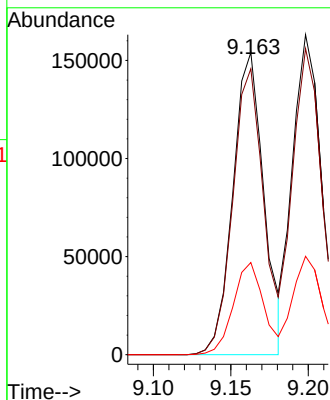
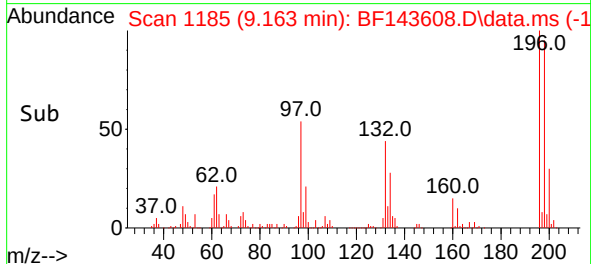


#43
2,4,6-Trichlorophenol
Concen: 51.545 ng
RT: 9.163 min Scan# 1185
Delta R.T. 0.000 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

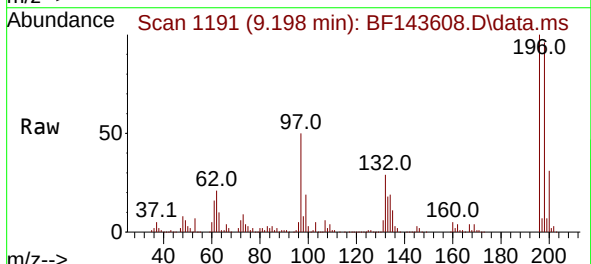
Instrument :
BNA_F
ClientSampleId :
PB169431BS



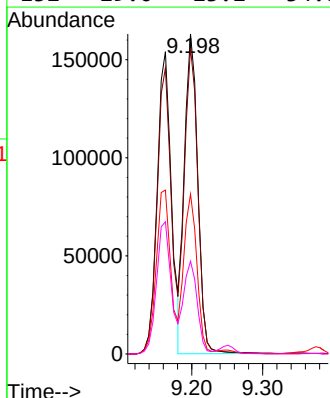
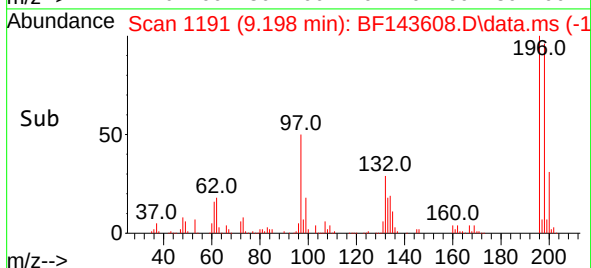
Tgt Ion:196 Resp: 214115
Ion Ratio Lower Upper
196 100
198 94.6 75.8 113.6
200 30.5 24.2 36.4

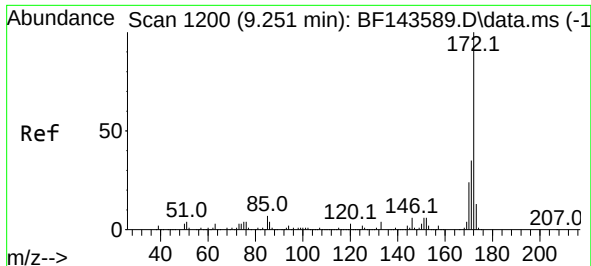


#44
2,4,5-Trichlorophenol
Concen: 50.708 ng
RT: 9.198 min Scan# 1191
Delta R.T. 0.000 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12



Tgt Ion:196 Resp: 212845
Ion Ratio Lower Upper
196 100
198 95.6 77.0 115.6
97 50.0 39.3 58.9
132 29.0 23.2 34.8

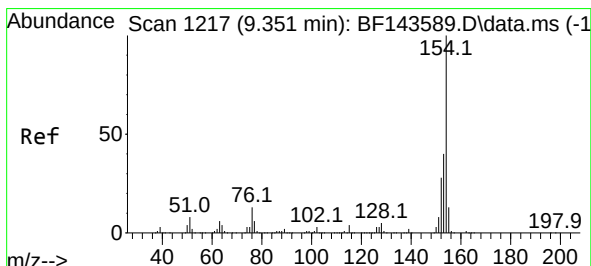
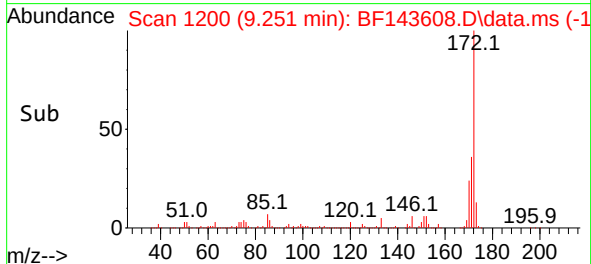
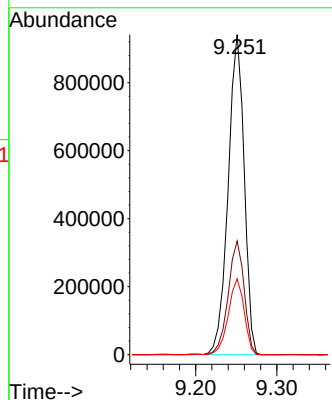
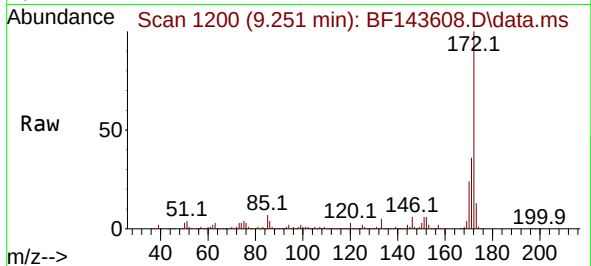




#45
2-Fluorobiphenyl
Concen: 91.323 ng
RT: 9.251 min Scan# 1200
Delta R.T. 0.000 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

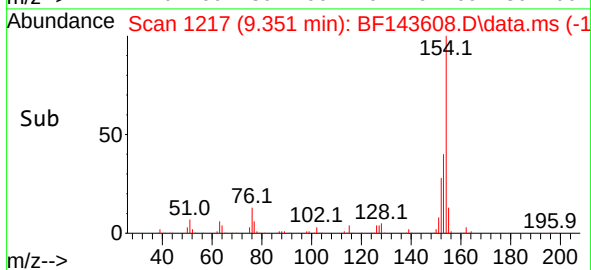
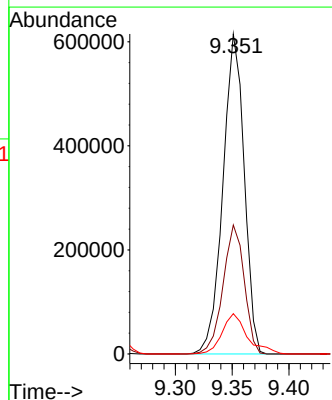
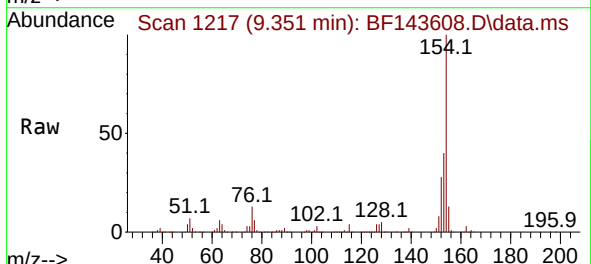
Instrument :
BNA_F
ClientSampleId :
PB169431BS

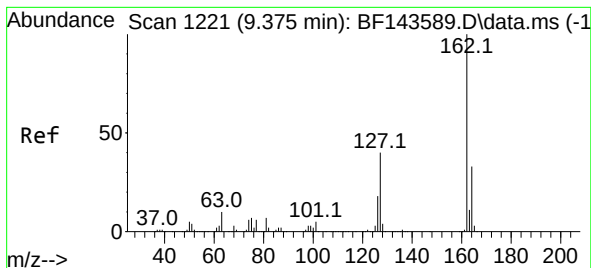
Tgt Ion:172 Resp: 1290878
Ion Ratio Lower Upper
172 100
171 35.5 28.3 42.5
170 23.6 19.0 28.4



#46
1,1'-Biphenyl
Concen: 47.802 ng
RT: 9.351 min Scan# 1217
Delta R.T. 0.000 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

Tgt Ion:154 Resp: 801615
Ion Ratio Lower Upper
154 100
153 40.3 20.1 60.1
76 12.6 0.0 33.0





#47

2-Chloronaphthalene

Concen: 47.167 ng

RT: 9.375 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143608.D

Acq: 28 Aug 2025 14:12

Instrument :

BNA_F

ClientSampleId :

PB169431BS

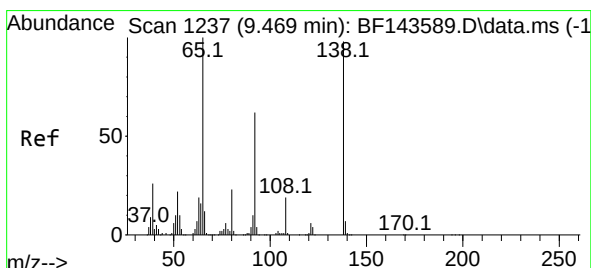
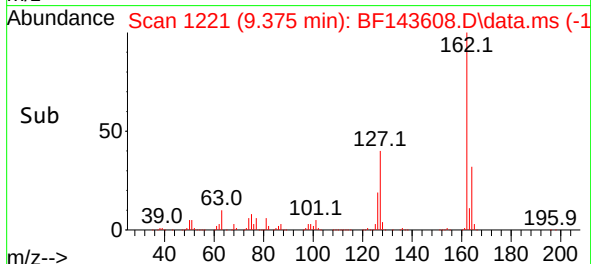
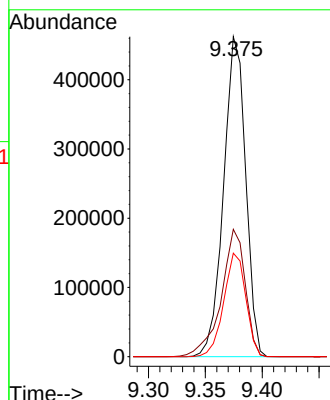
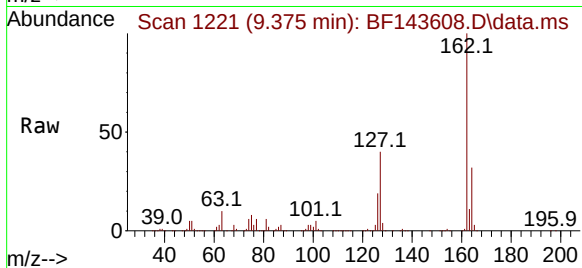
Tgt Ion:162 Resp: 624822

Ion Ratio Lower Upper

162 100

127 39.8 32.6 48.8

164 32.3 26.1 39.1



#48

2-Nitroaniline

Concen: 51.084 ng

RT: 9.469 min Scan# 1237

Delta R.T. -0.000 min

Lab File: BF143608.D

Acq: 28 Aug 2025 14:12

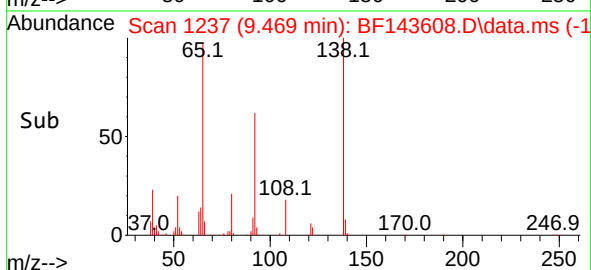
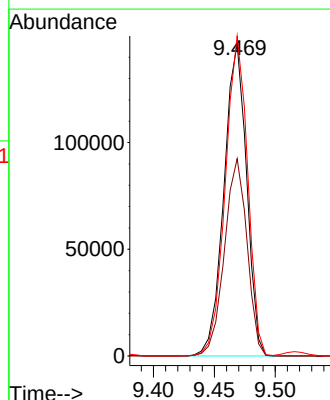
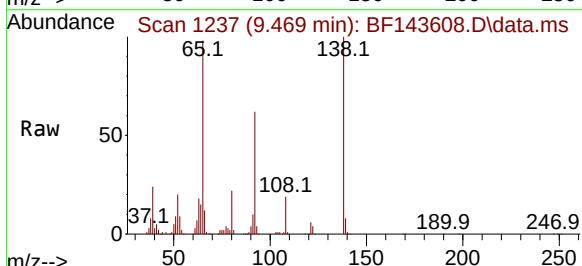
Tgt Ion: 65 Resp: 189074

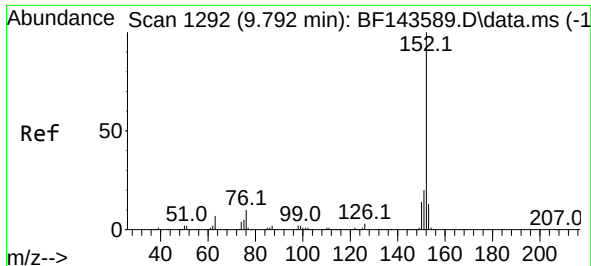
Ion Ratio Lower Upper

65 100

92 63.2 49.6 74.4

138 102.5 78.6 118.0

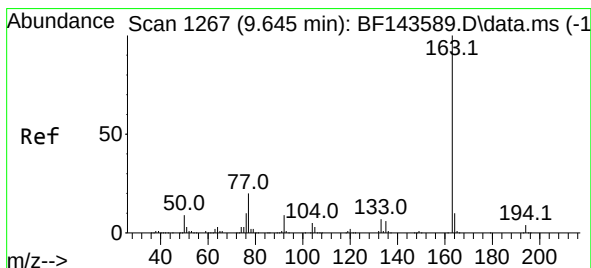
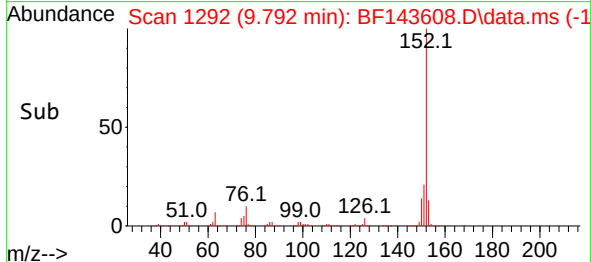
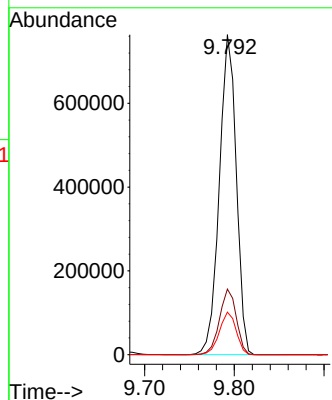
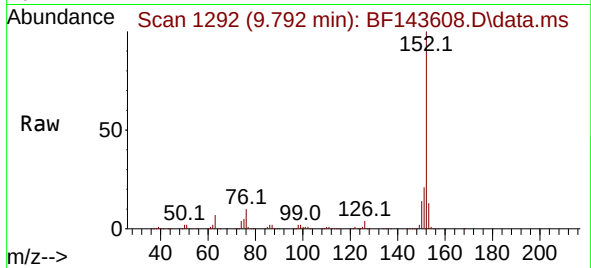




#49
Acenaphthylene
Concen: 51.998 ng
RT: 9.792 min Scan# 1292
Delta R.T. 0.000 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

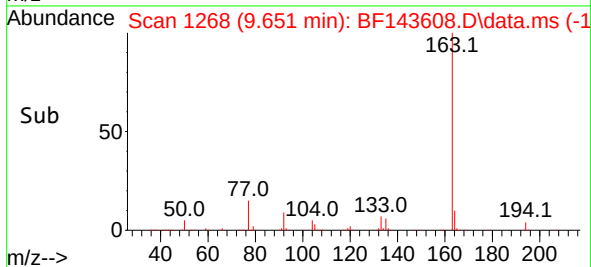
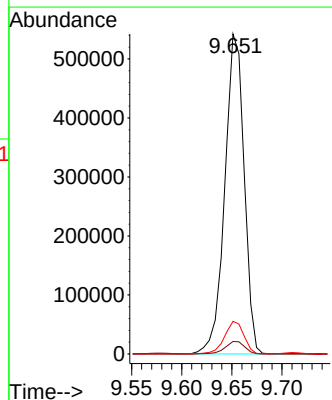
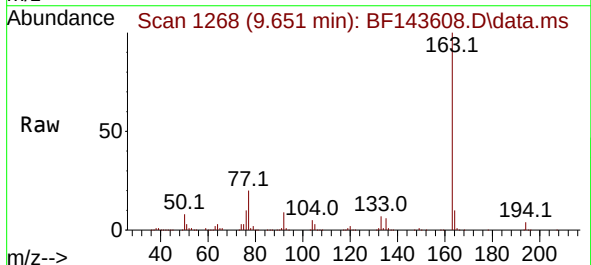
Instrument :
BNA_F
ClientSampleId :
PB169431BS

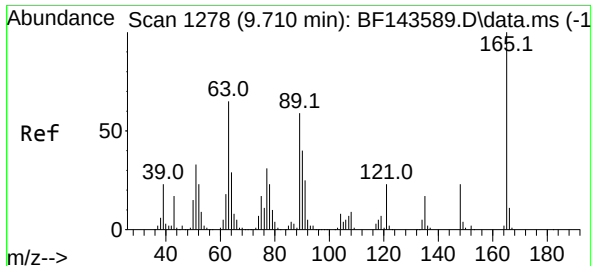
Tgt Ion:152 Resp: 1002209
Ion Ratio Lower Upper
152 100
151 20.5 16.2 24.2
153 13.3 10.6 15.8



#50
Dimethylphthalate
Concen: 48.823 ng
RT: 9.651 min Scan# 1268
Delta R.T. 0.006 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

Tgt Ion:163 Resp: 725775
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 10.2 8.4 12.6

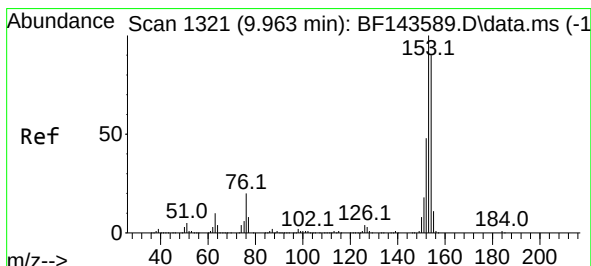
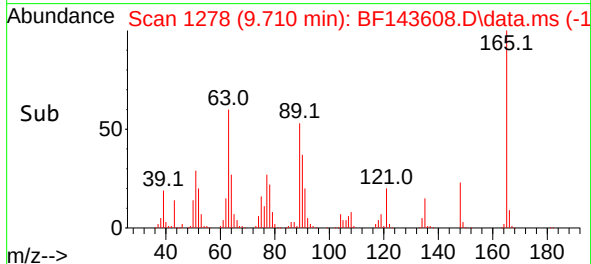
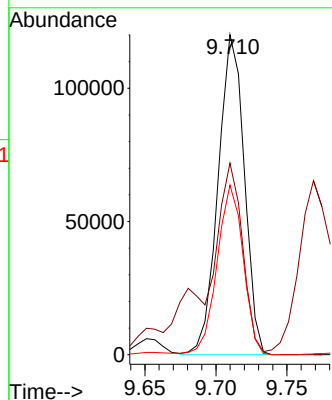
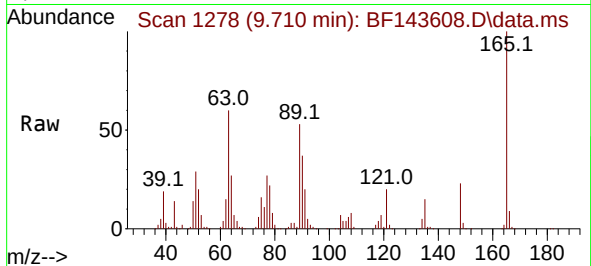




#51
2,6-Dinitrotoluene
Concen: 60.301 ng
RT: 9.710 min Scan# 1278
Delta R.T. -0.000 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

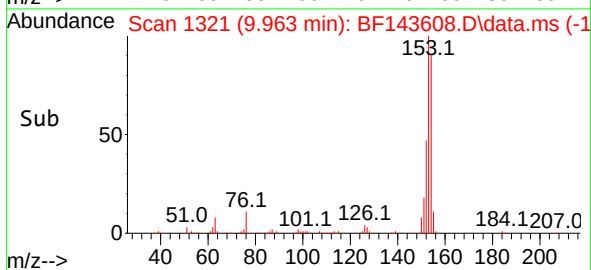
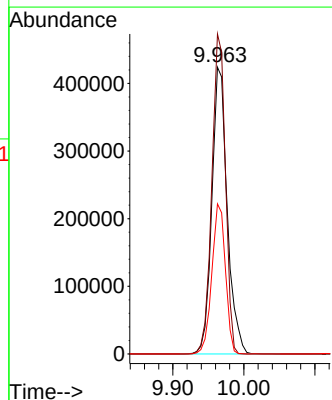
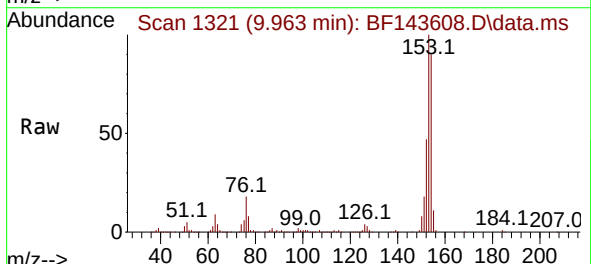
Instrument :
BNA_F
ClientSampleId :
PB169431BS

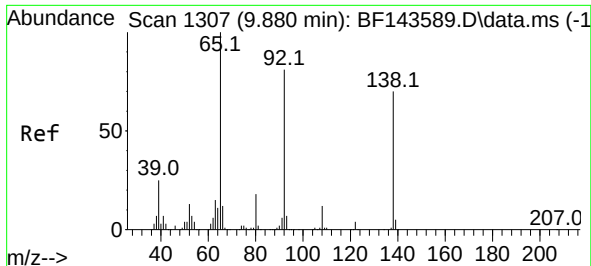
Tgt Ion:165 Resp: 153961
Ion Ratio Lower Upper
165 100
63 59.9 51.8 77.6
89 53.0 47.4 71.2



#52
Acenaphthene
Concen: 50.513 ng
RT: 9.963 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

Tgt Ion:154 Resp: 637723
Ion Ratio Lower Upper
154 100
153 111.6 89.0 133.4
152 52.4 42.9 64.3

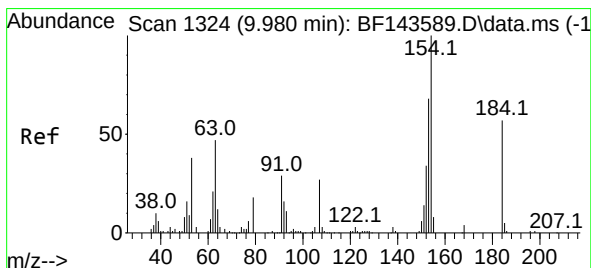
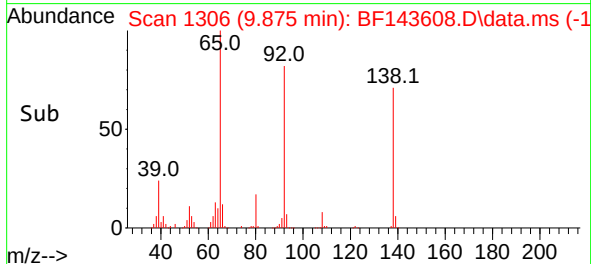
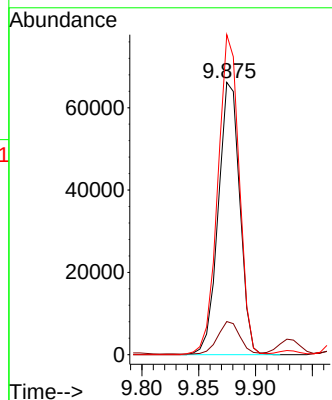
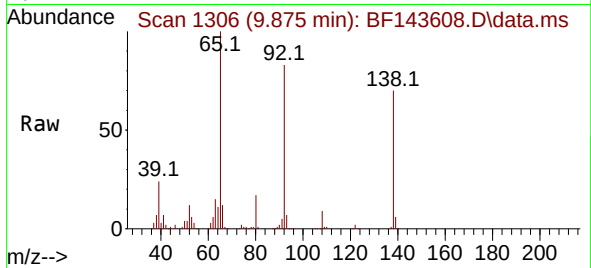




#53
3-Nitroaniline
Concen: 31.127 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

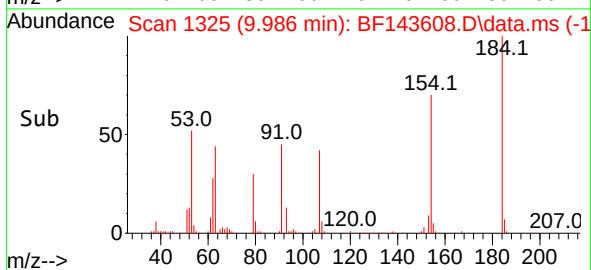
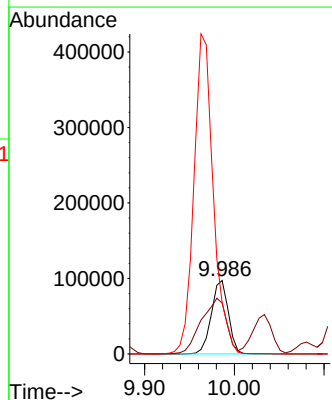
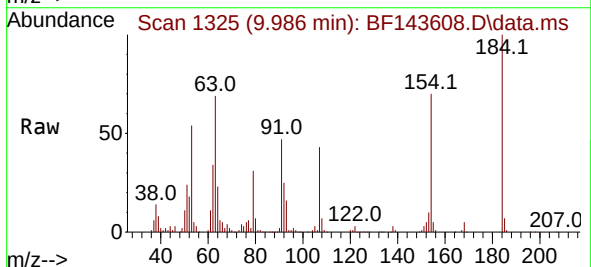
Instrument :
BNA_F
ClientSampleId :
PB169431BS

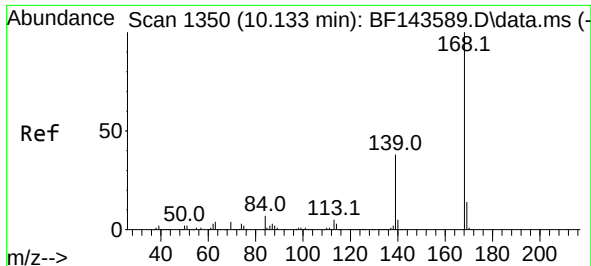
Tgt Ion:138 Resp: 87145
Ion Ratio Lower Upper
138 100
108 12.2 13.8 20.8#
92 117.5 92.6 139.0



#54
2,4-Dinitrophenol
Concen: 105.472 ng
RT: 9.986 min Scan# 1325
Delta R.T. 0.006 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

Tgt Ion:184 Resp: 128051
Ion Ratio Lower Upper
184 100
63 69.3 80.9 121.3#
154 70.2 262.0 393.0#

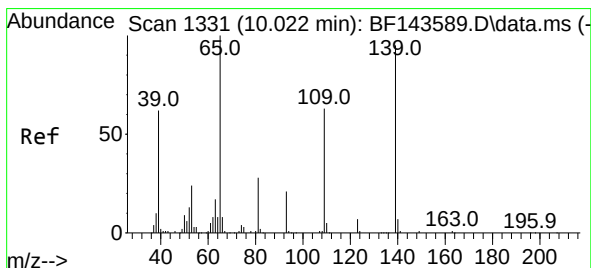
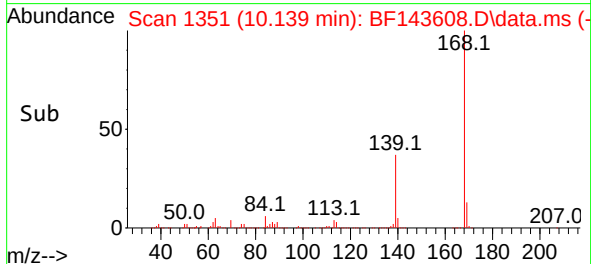
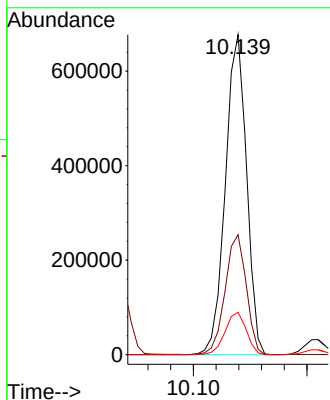
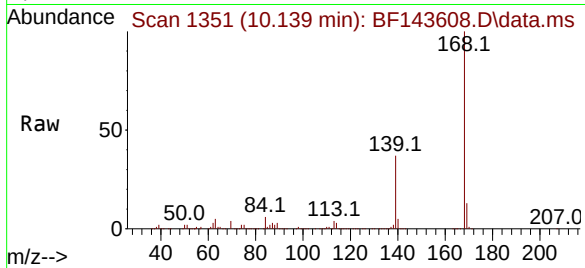




#55
Dibenzenofuran
Concen: 47.277 ng
RT: 10.139 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

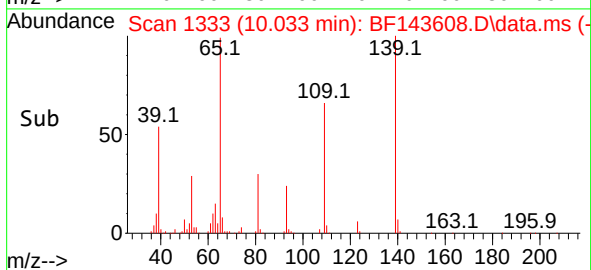
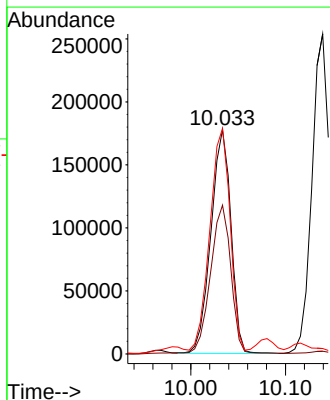
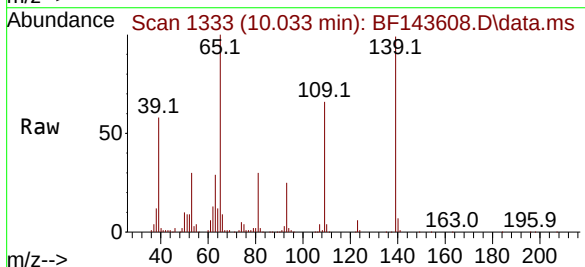
Instrument :
BNA_F
ClientSampleId :
PB169431BS

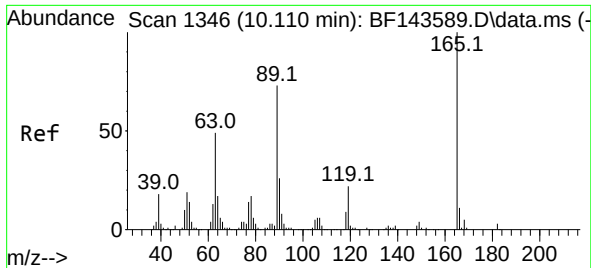
Tgt Ion:168 Resp: 875101
Ion Ratio Lower Upper
168 100
139 37.5 30.6 46.0
169 13.3 10.9 16.3



#56
4-Nitrophenol
Concen: 100.536 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.011 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

Tgt Ion:139 Resp: 260935
Ion Ratio Lower Upper
139 100
109 66.4 47.3 87.3
65 100.6 86.8 126.8

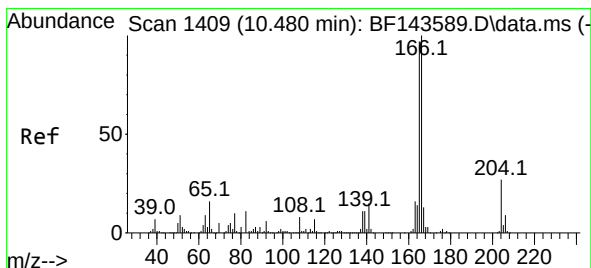
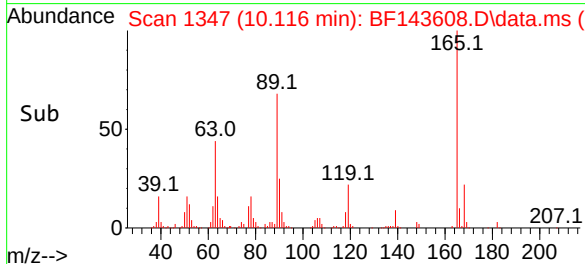
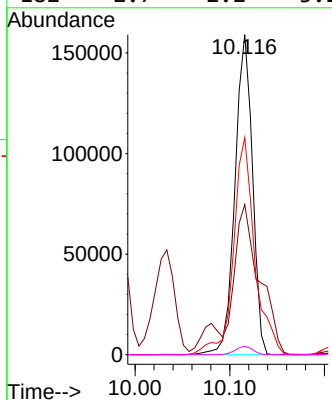
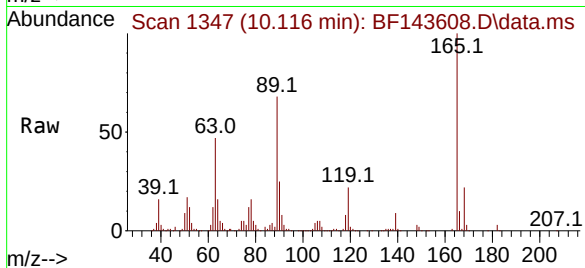




#57
2,4-Dinitrotoluene
Concen: 60.660 ng
RT: 10.116 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

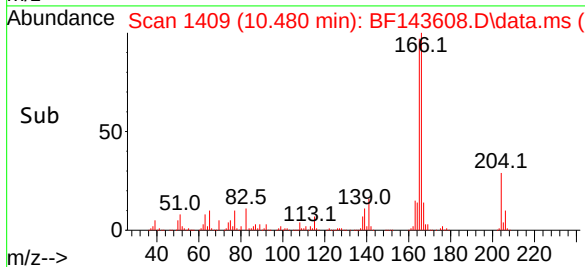
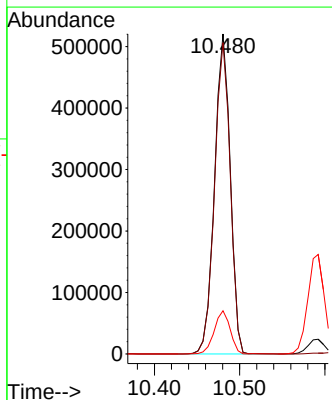
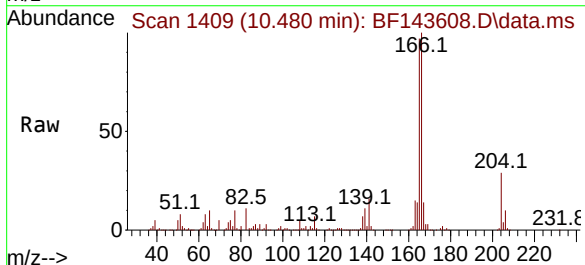
Instrument :
BNA_F
ClientSampleId :
PB169431BS

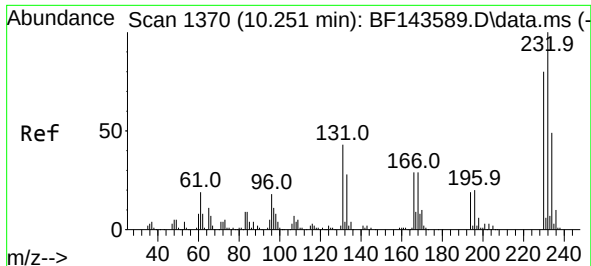
Tgt Ion:165 Resp: 203559
Ion Ratio Lower Upper
165 100
63 47.0 39.5 59.3
89 67.8 58.1 87.1
182 2.7 2.2 3.2



#58
Fluorene
Concen: 48.108 ng
RT: 10.480 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

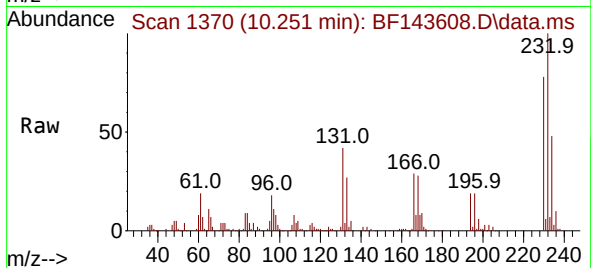
Tgt Ion:166 Resp: 668584
Ion Ratio Lower Upper
166 100
165 97.3 77.7 116.5
167 13.5 10.6 15.8



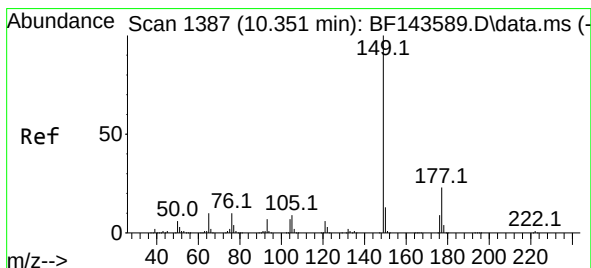
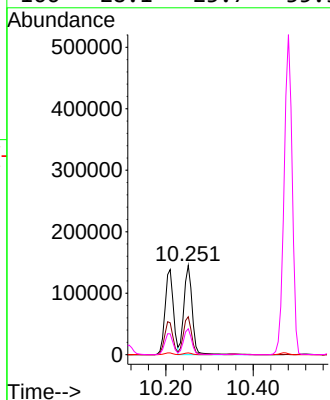
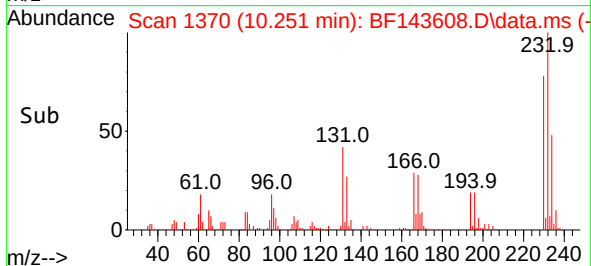


#59
2,3,4,6-Tetrachlorophenol
Concen: 61.300 ng
RT: 10.251 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

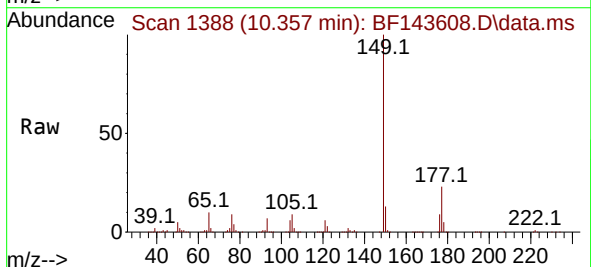
Instrument :
BNA_F
ClientSampleId :
PB169431BS



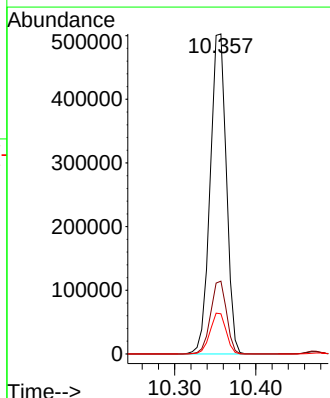
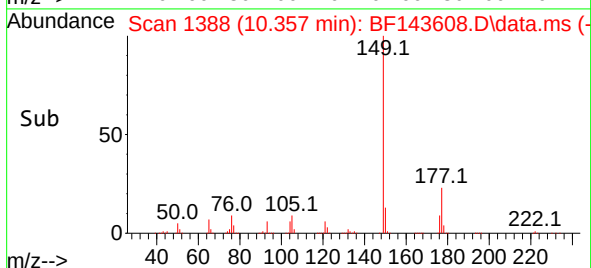
Tgt Ion:232 Resp: 190229
Ion Ratio Lower Upper
232 100
131 42.2 35.9 53.9
130 1.9 1.8 2.8
166 28.1 23.7 35.5

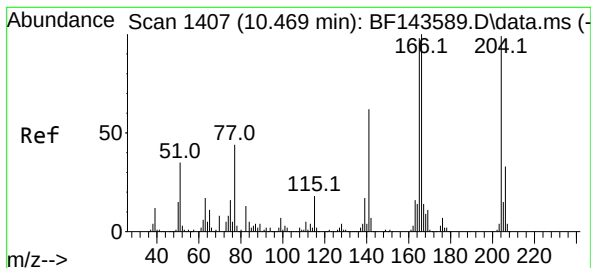


#60
Diethylphthalate
Concen: 49.832 ng
RT: 10.357 min Scan# 1388
Delta R.T. 0.006 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12



Tgt Ion:149 Resp: 694220
Ion Ratio Lower Upper
149 100
177 22.7 18.1 27.1
150 12.6 10.1 15.1

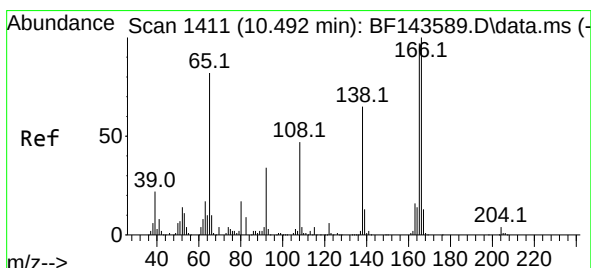
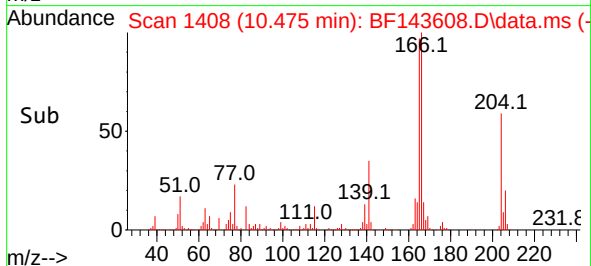
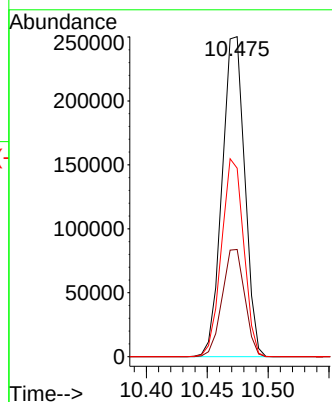
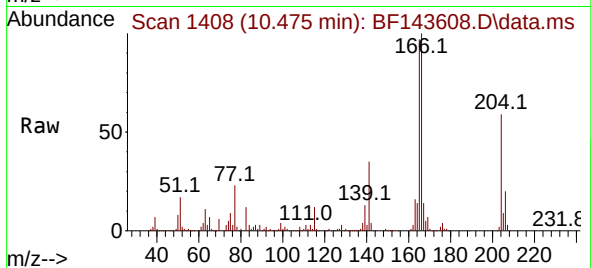




#61
4-Chlorophenyl-phenylether
Concen: 47.751 ng
RT: 10.475 min Scan# 1407
Delta R.T. 0.006 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

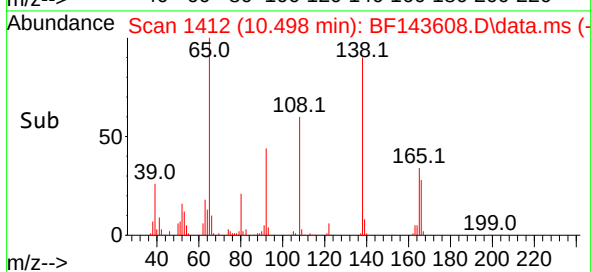
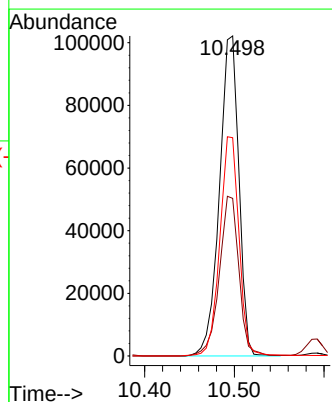
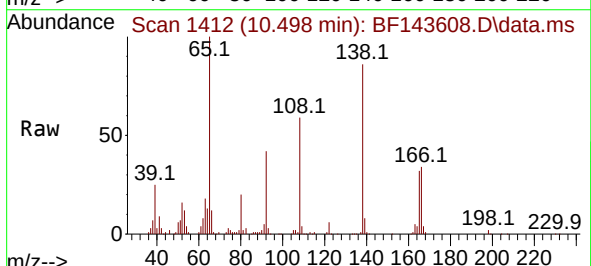
Instrument :
BNA_F
ClientSampleId :
PB169431BS

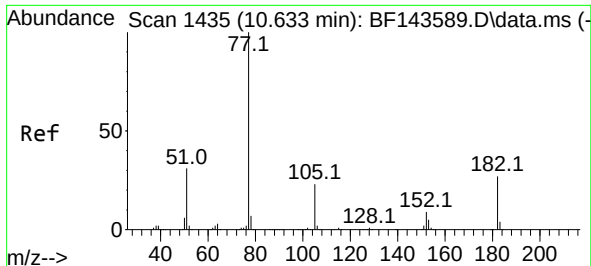
Tgt Ion:204 Resp: 324551
Ion Ratio Lower Upper
204 100
206 33.5 27.0 40.6
141 58.9 50.2 75.2



#62
4-Nitroaniline
Concen: 55.023 ng
RT: 10.498 min Scan# 1412
Delta R.T. 0.006 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

Tgt Ion:138 Resp: 153531
Ion Ratio Lower Upper
138 100
92 49.2 31.3 71.3
108 68.2 51.6 91.6

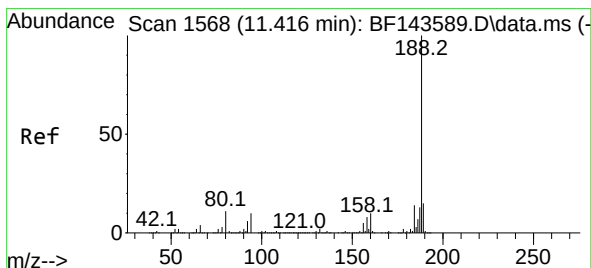
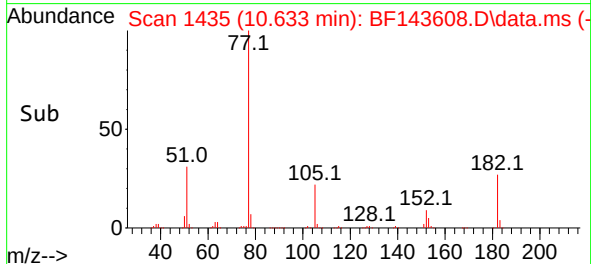
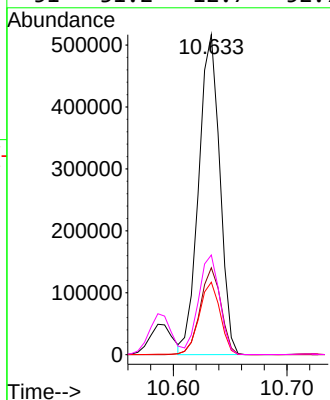
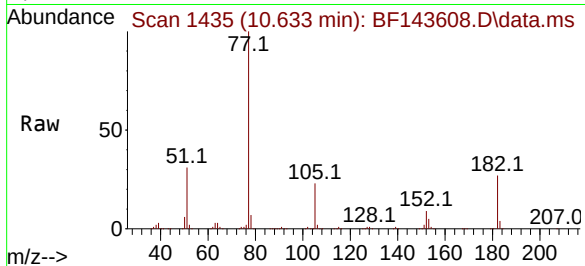




#63
Azobenzene
Concen: 47.179 ng
RT: 10.633 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

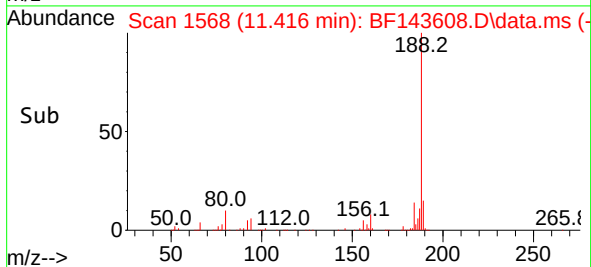
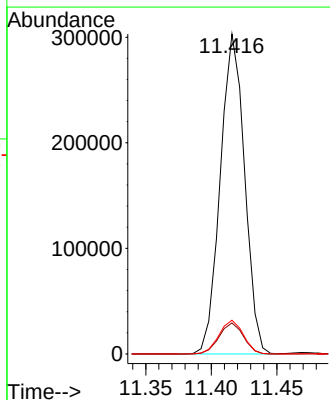
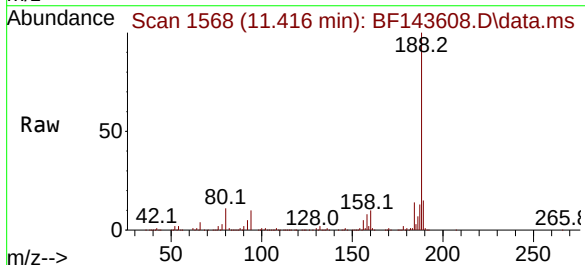
Instrument :
BNA_F
ClientSampleId :
PB169431BS

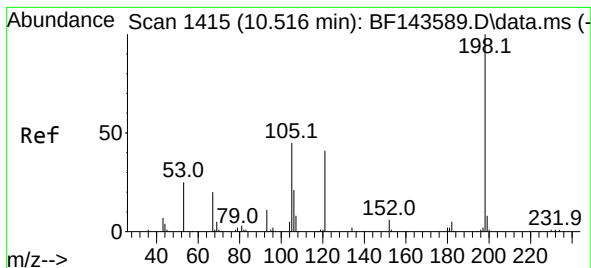
Tgt Ion: 77	Resp: 666395
Ion Ratio	Lower Upper
77 100	
182 27.1	6.3 46.3
105 22.7	2.4 42.4
51 31.2	12.7 52.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.000 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

Tgt Ion:188	Resp: 390672		
Ion Ratio	Lower	Upper	
188 100			
94 9.7	8.2	12.4	
80 10.6	8.9	13.3	

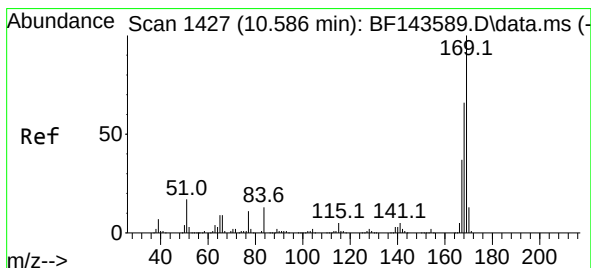
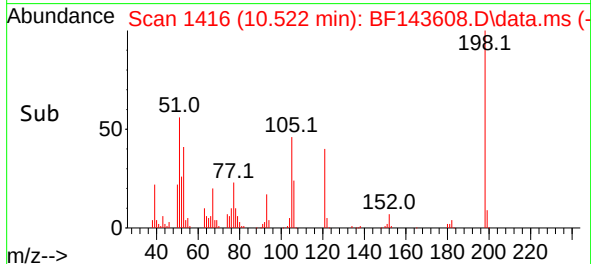
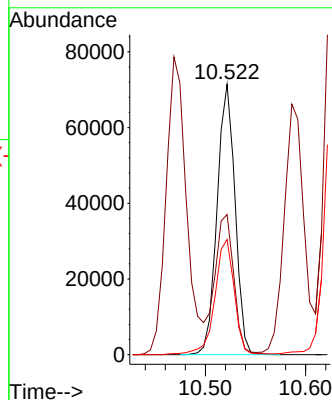
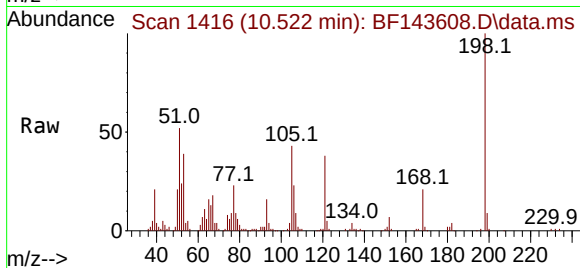




#65
4,6-Dinitro-2-methylphenol
Concen: 61.296 ng
RT: 10.522 min Scan# 1415
Delta R.T. 0.006 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

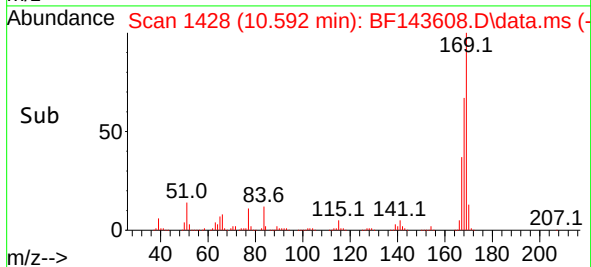
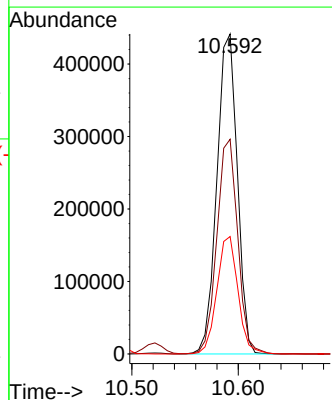
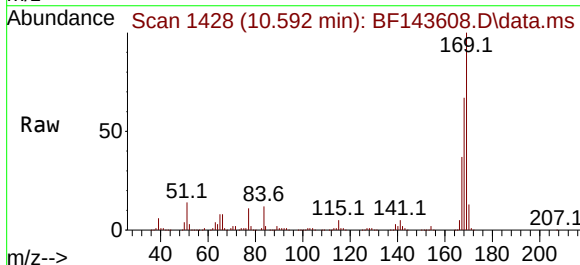
Instrument :
BNA_F
ClientSampleId :
PB169431BS

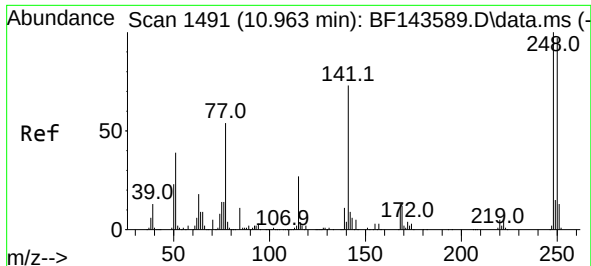
Tgt Ion:198 Resp: 88769
Ion Ratio Lower Upper
198 100
51 51.8 41.5 81.5
105 42.6 28.2 68.2



#66
n-Nitrosodiphenylamine
Concen: 47.257 ng
RT: 10.592 min Scan# 1428
Delta R.T. 0.006 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

Tgt Ion:169 Resp: 587239
Ion Ratio Lower Upper
169 100
168 67.1 53.1 79.7
167 36.7 29.3 43.9

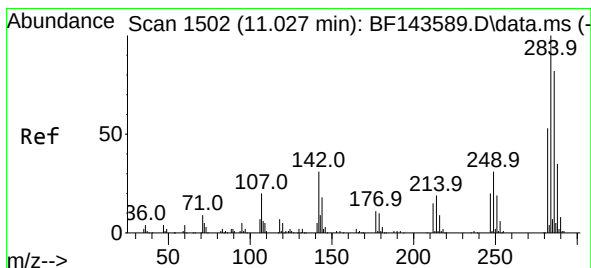
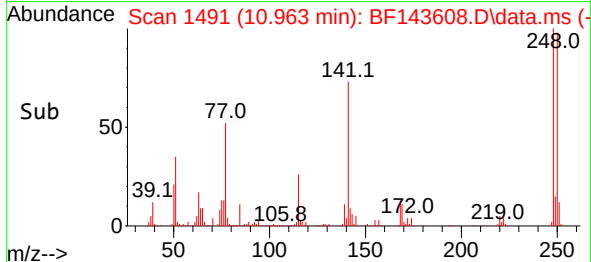
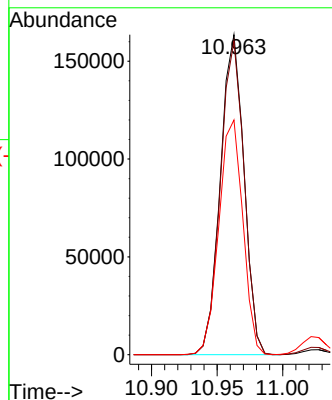
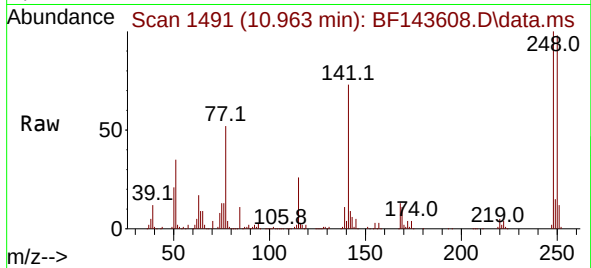




#67
4-Bromophenyl-phenylether
Concen: 48.455 ng
RT: 10.963 min Scan# 1491
Delta R.T. -0.000 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

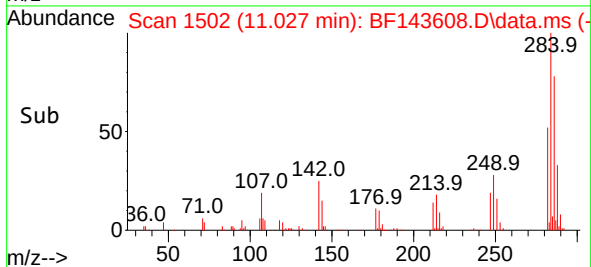
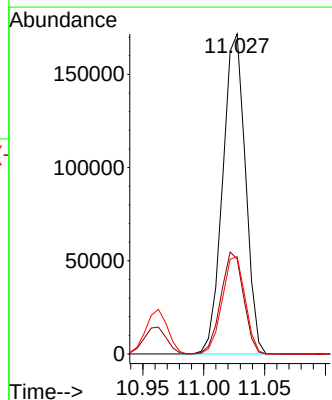
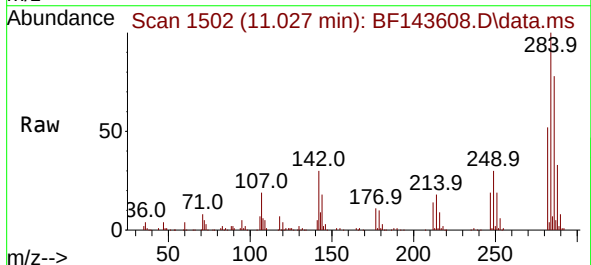
Instrument :
BNA_F
ClientSampleId :
PB169431BS

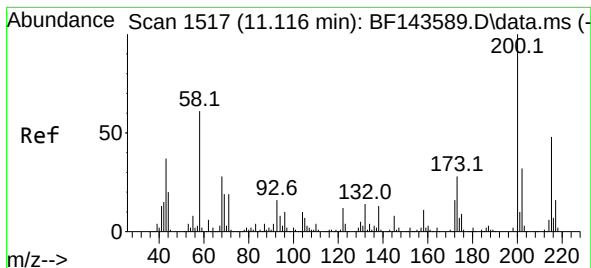
Tgt Ion:248 Resp: 204759
Ion Ratio Lower Upper
248 100
250 98.0 77.8 116.6
141 73.3 58.5 87.7



#68
Hexachlorobenzene
Concen: 49.298 ng
RT: 11.027 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

Tgt Ion:284 Resp: 222830
Ion Ratio Lower Upper
284 100
142 29.7 24.7 37.1
249 30.4 25.0 37.6





#69

Atrazine

Concen: 52.004 ng

RT: 11.116 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143608.D

Acq: 28 Aug 2025 14:12

Instrument :

BNA_F

ClientSampleId :

PB169431BS

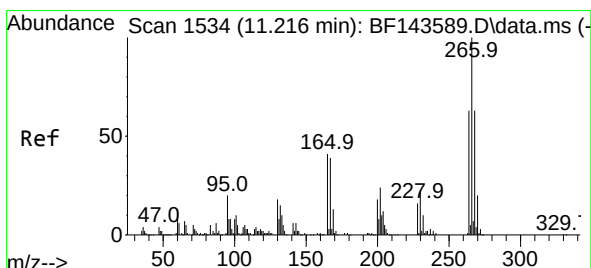
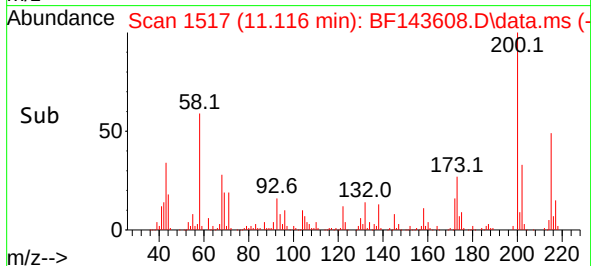
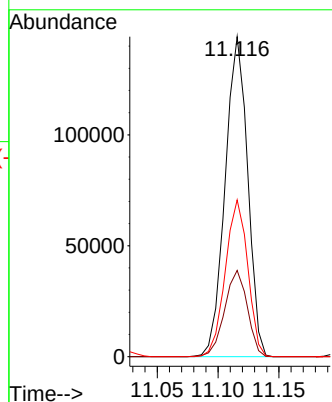
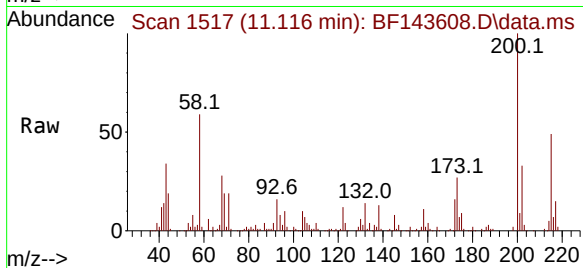
Tgt Ion:200 Resp: 185758

Ion Ratio Lower Upper

200 100

173 26.9 7.6 47.6

215 49.0 28.3 68.3



#70

Pentachlorophenol

Concen: 108.500 ng

RT: 11.216 min Scan# 1534

Delta R.T. -0.000 min

Lab File: BF143608.D

Acq: 28 Aug 2025 14:12

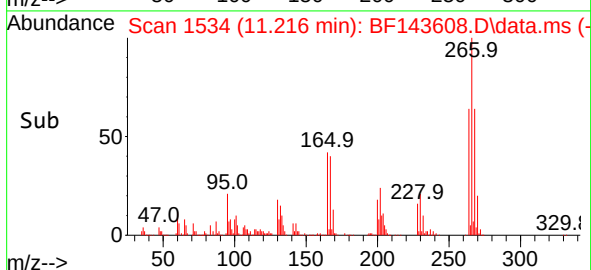
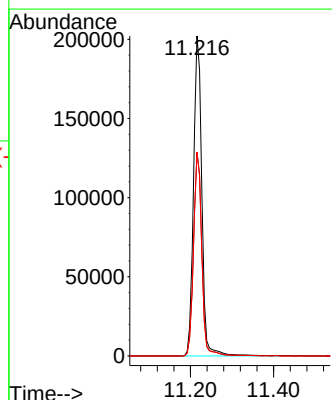
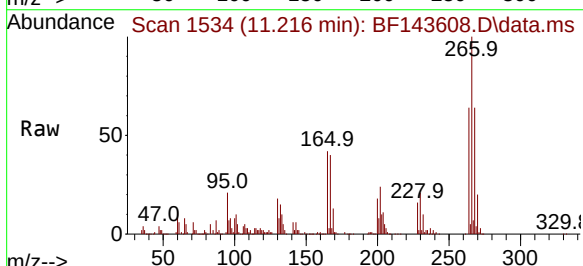
Tgt Ion:266 Resp: 280197

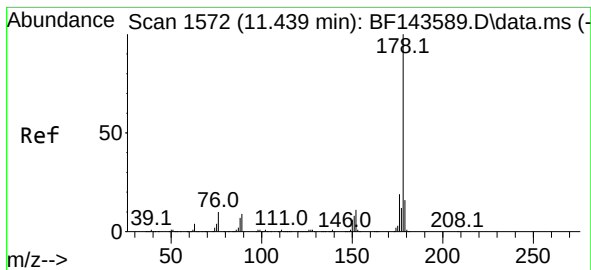
Ion Ratio Lower Upper

266 100

268 63.6 50.4 75.6

264 63.7 50.1 75.1





#71

Phenanthrene

Concen: 46.725 ng

RT: 11.439 min Scan# 1572

Delta R.T. 0.000 min

Lab File: BF143608.D

Acq: 28 Aug 2025 14:12

Instrument :

BNA_F

ClientSampleId :

PB169431BS

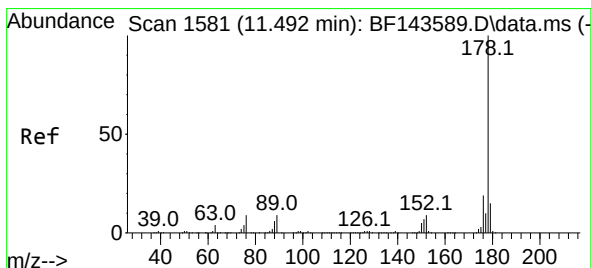
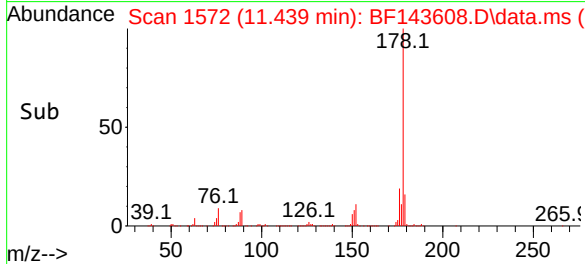
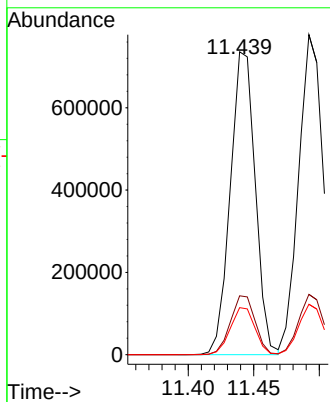
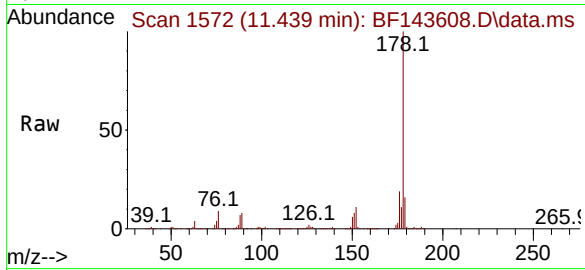
Tgt Ion:178 Resp: 977355

Ion Ratio Lower Upper

178 100

176 19.5 15.6 23.4

179 15.5 12.5 18.7



#72

Anthracene

Concen: 47.787 ng

RT: 11.492 min Scan# 1581

Delta R.T. 0.000 min

Lab File: BF143608.D

Acq: 28 Aug 2025 14:12

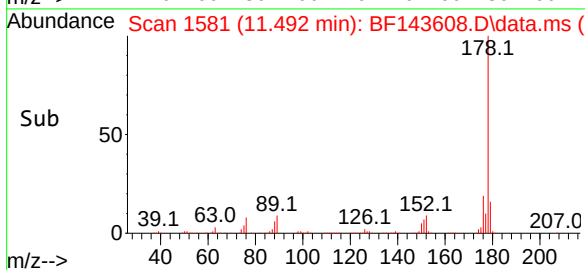
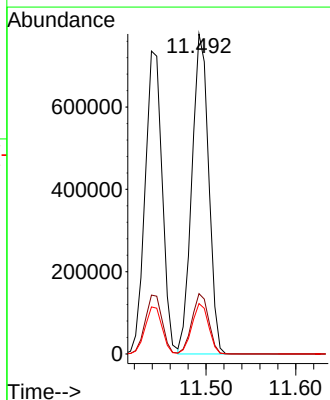
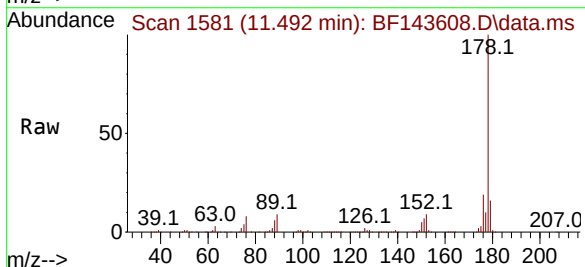
Tgt Ion:178 Resp: 1007335

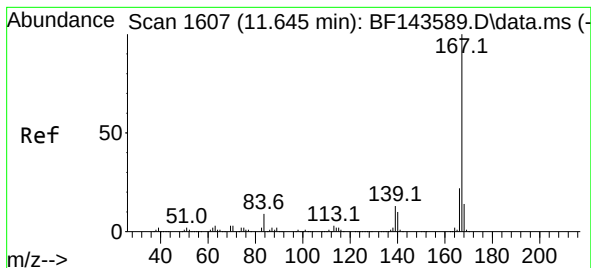
Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.6

179 15.8 12.4 18.6





#73

Carbazole

Concen: 47.965 ng

RT: 11.645 min Scan# 1607

Delta R.T. 0.000 min

Lab File: BF143608.D

Acq: 28 Aug 2025 14:12

Instrument :

BNA_F

ClientSampleId :

PB169431BS

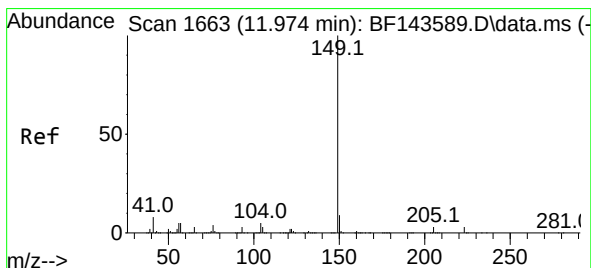
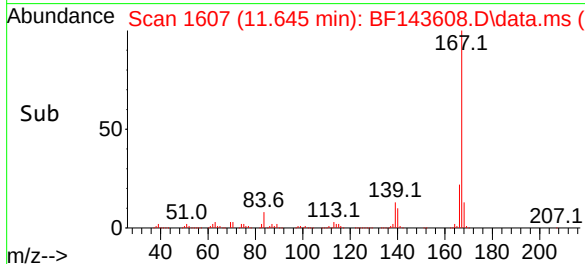
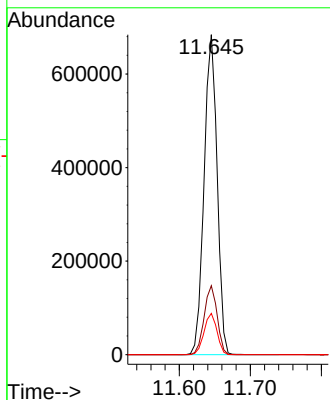
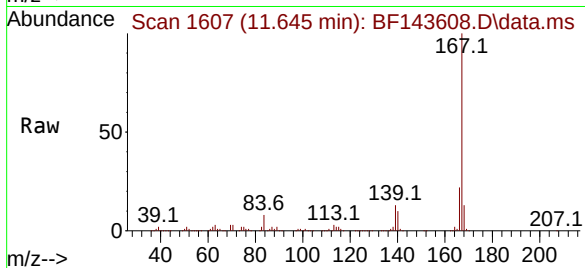
Tgt Ion:167 Resp: 873989

Ion Ratio Lower Upper

167 100

166 21.5 17.3 25.9

139 12.9 10.4 15.6



#74

Di-n-butylphthalate

Concen: 53.213 ng

RT: 11.974 min Scan# 1663

Delta R.T. 0.000 min

Lab File: BF143608.D

Acq: 28 Aug 2025 14:12

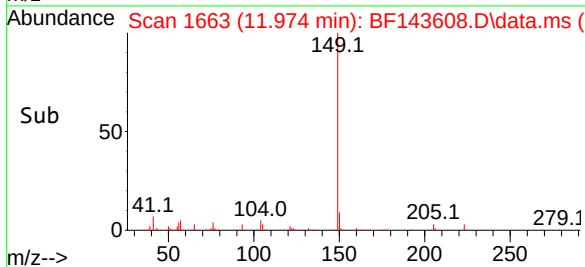
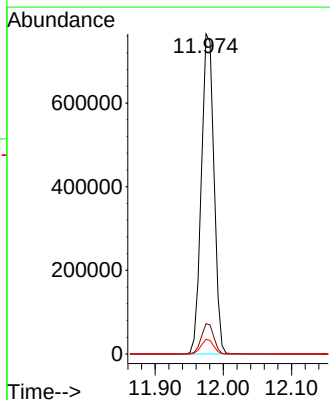
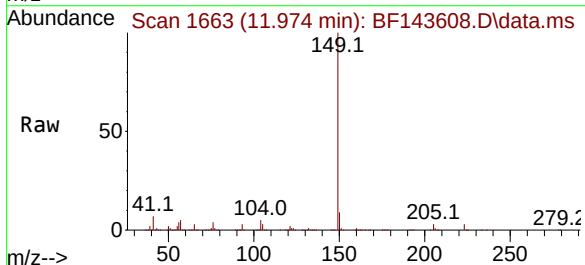
Tgt Ion:149 Resp: 987605

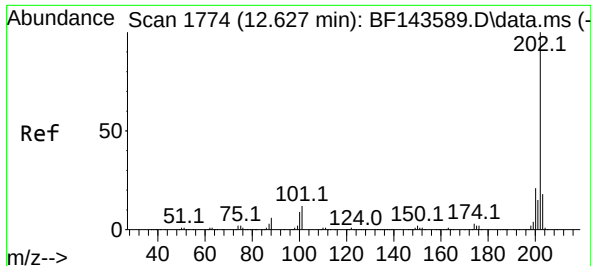
Ion Ratio Lower Upper

149 100

150 9.4 7.4 11.2

104 4.6 3.6 5.4

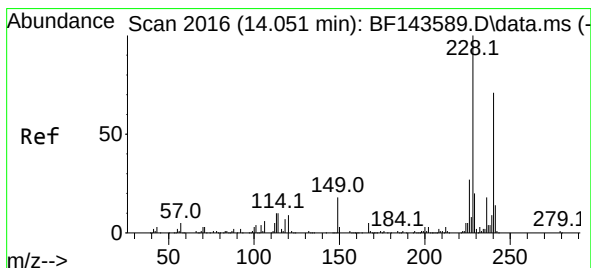
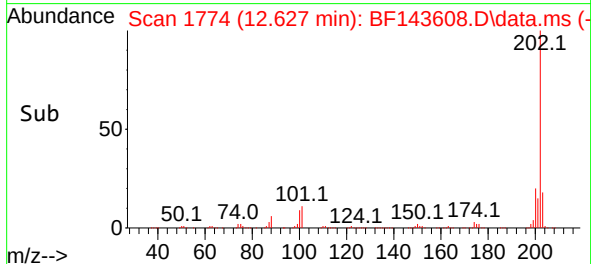
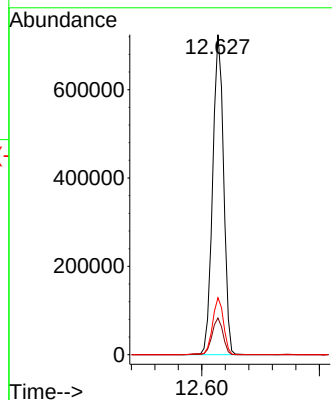
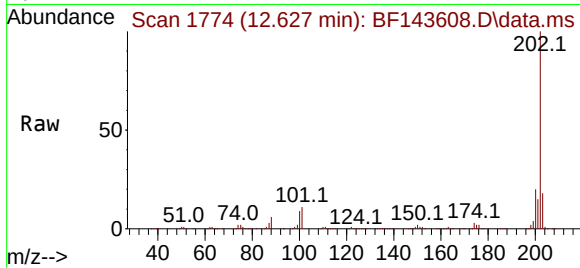




#75
Fluoranthene
Concen: 48.885 ng
RT: 12.627 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

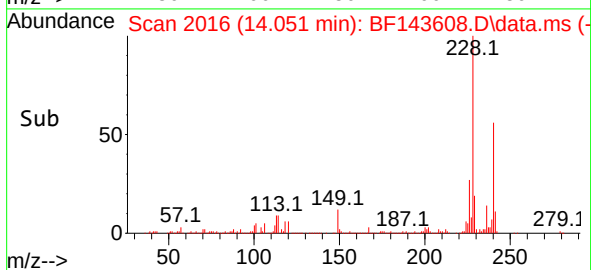
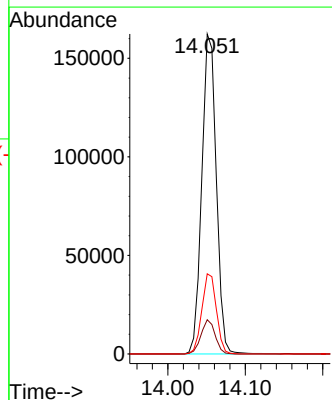
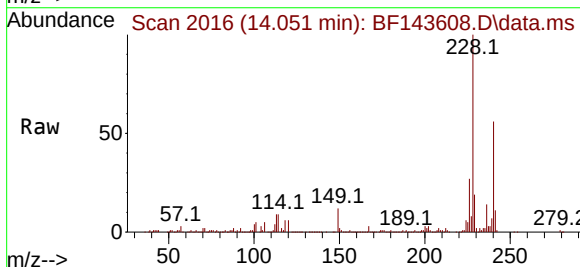
Instrument :
BNA_F
ClientSampleId :
PB169431BS

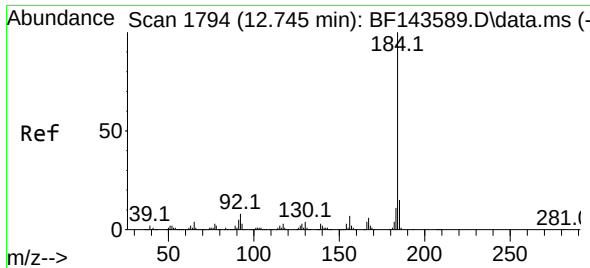
Tgt Ion:202 Resp: 933649
Ion Ratio Lower Upper
202 100
101 11.4 0.0 32.3
203 17.8 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

Tgt Ion:240 Resp: 210895
Ion Ratio Lower Upper
240 100
120 10.7 9.6 14.4
236 25.1 20.2 30.2

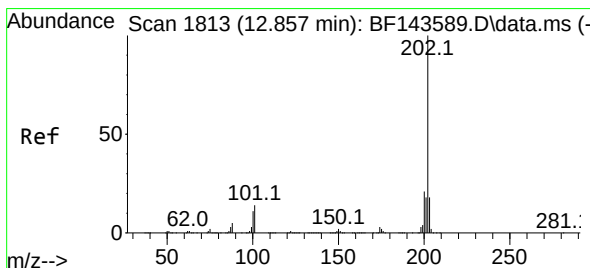
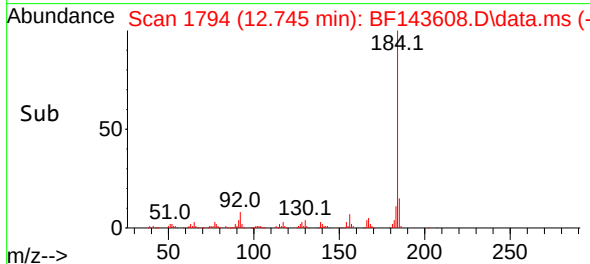
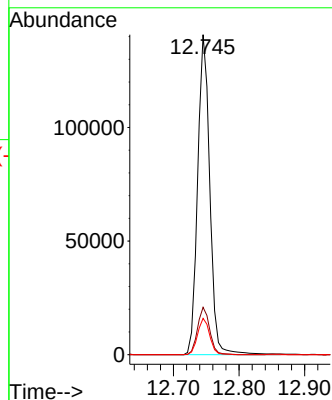
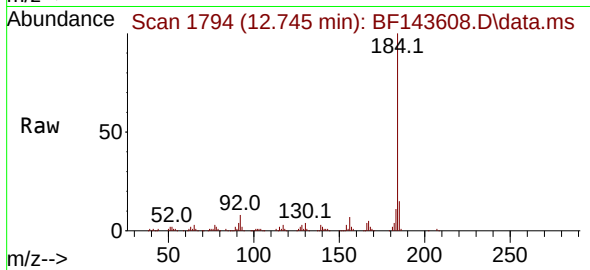




#77
Benzidine
Concen: 37.430 ng
RT: 12.745 min Scan# 1794
Delta R.T. 0.000 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

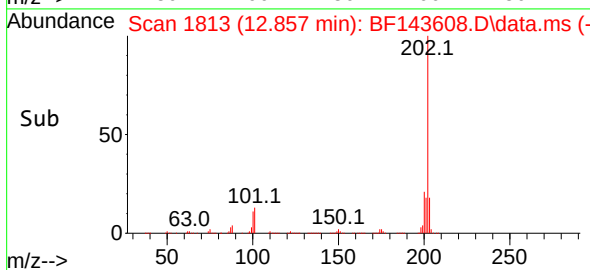
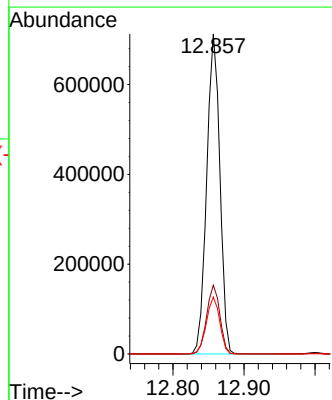
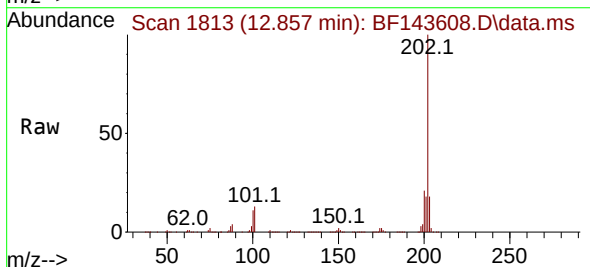
Instrument :
BNA_F
ClientSampleId :
PB169431BS

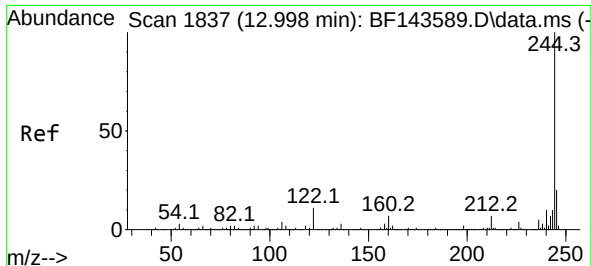
Tgt Ion:184 Resp: 181737
Ion Ratio Lower Upper
184 100
185 14.8 11.8 17.6
183 11.4 9.1 13.7



#78
Pyrene
Concen: 52.244 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.000 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

Tgt Ion:202 Resp: 922105
Ion Ratio Lower Upper
202 100
200 21.5 17.0 25.4
203 17.8 14.2 21.4

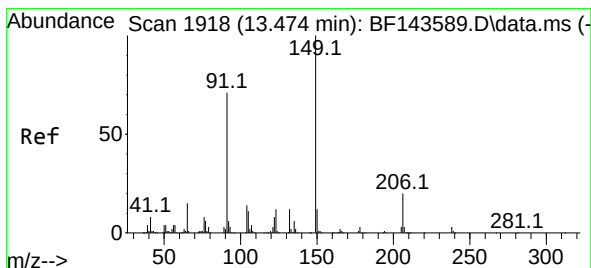
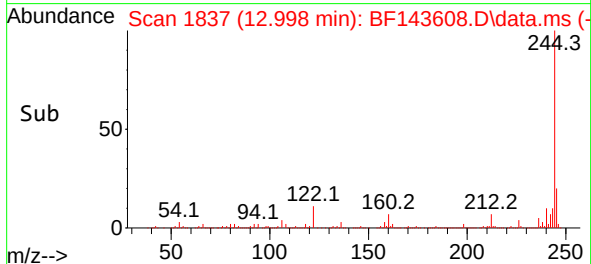
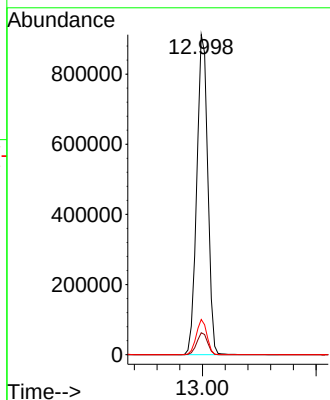
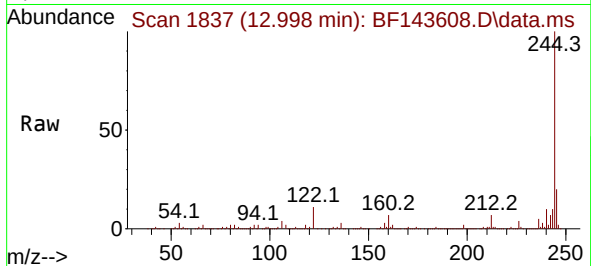




#79
 Terphenyl-d14
 Concen: 104.356 ng
 RT: 12.998 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF143608.D
 Acq: 28 Aug 2025 14:12

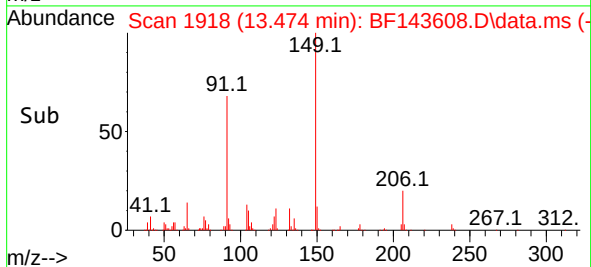
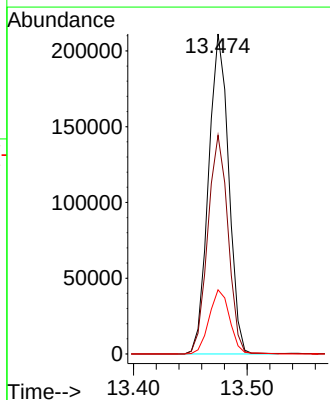
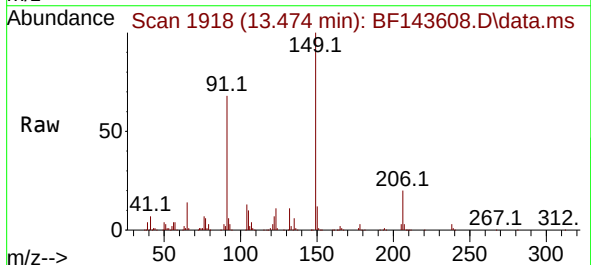
Instrument :
 BNA_F
 ClientSampleId :
 PB169431BS

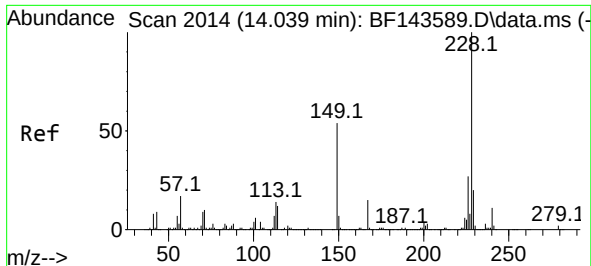
Tgt Ion:244 Resp: 1226431
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.5 8.3
 122 11.0 8.8 13.2



#80
 Butylbenzylphthalate
 Concen: 51.975 ng
 RT: 13.474 min Scan# 1918
 Delta R.T. 0.000 min
 Lab File: BF143608.D
 Acq: 28 Aug 2025 14:12

Tgt Ion:149 Resp: 260698
 Ion Ratio Lower Upper
 149 100
 91 68.4 56.8 85.2
 206 20.1 16.2 24.2

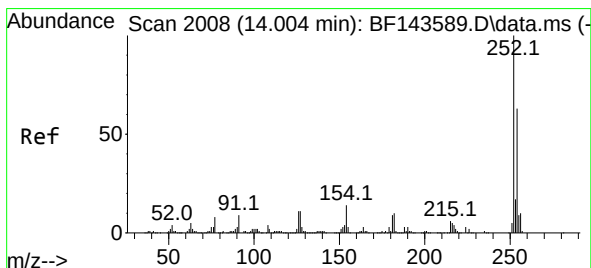
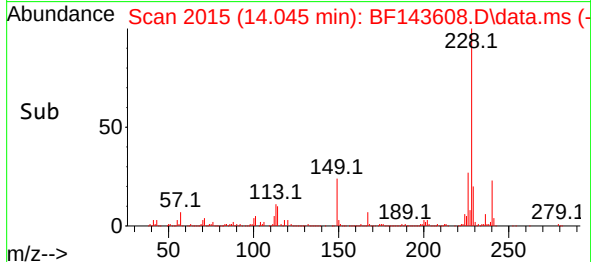
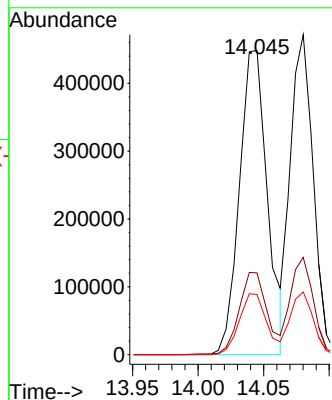
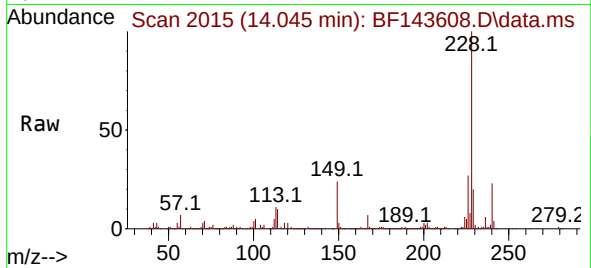




#81
Benzo(a)anthracene
Concen: 50.222 ng
RT: 14.045 min Scan# 2014
Delta R.T. 0.006 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

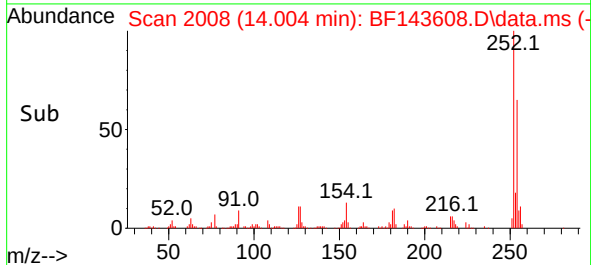
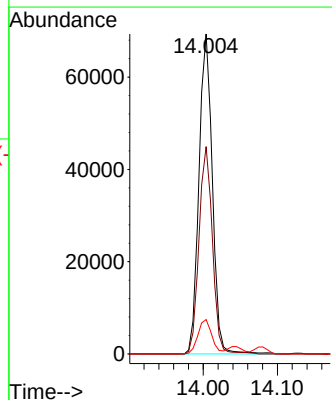
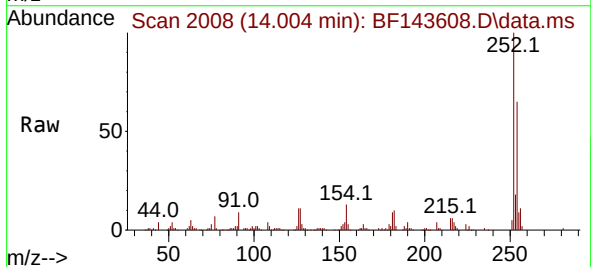
Instrument :
BNA_F
ClientSampleId :
PB169431BS

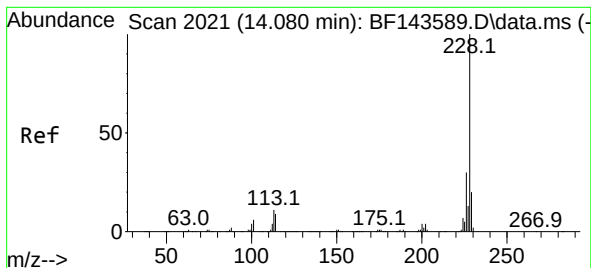
Tgt Ion:228 Resp: 666342
Ion Ratio Lower Upper
228 100
226 26.9 21.8 32.8
229 19.8 16.1 24.1



#82
3,3'-Dichlorobenzidine
Concen: 24.438 ng
RT: 14.004 min Scan# 2008
Delta R.T. -0.000 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

Tgt Ion:252 Resp: 86934
Ion Ratio Lower Upper
252 100
254 64.8 50.2 75.2
126 10.7 9.1 13.7





#83

Chrysene

Concen: 46.390 ng

RT: 14.080 min Scan# 2021

Delta R.T. 0.000 min

Lab File: BF143608.D

Acq: 28 Aug 2025 14:12

Instrument :

BNA_F

ClientSampleId :

PB169431BS

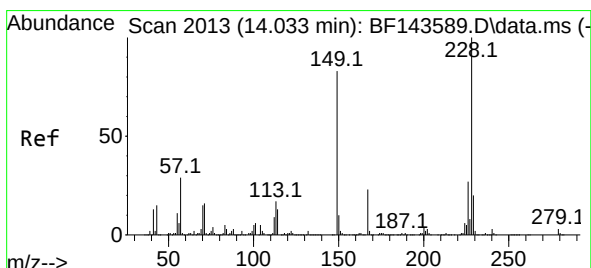
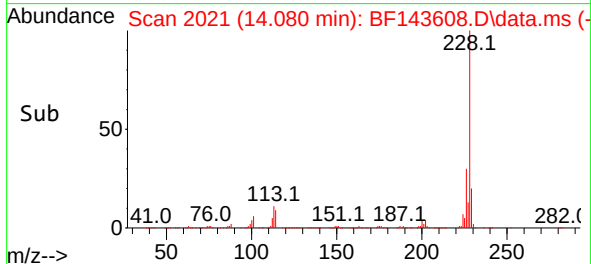
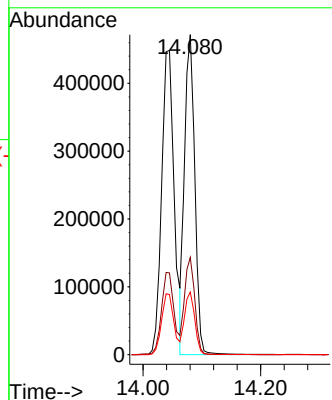
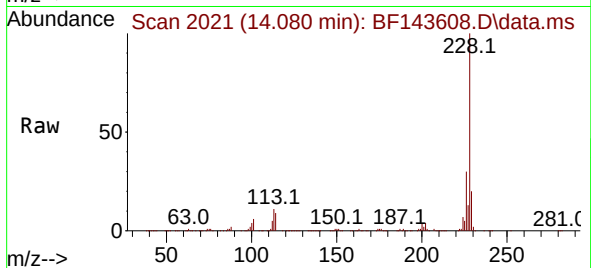
Tgt Ion:228 Resp: 573616

Ion Ratio Lower Upper

228 100

226 30.4 24.2 36.2

229 19.6 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 45.430 ng

RT: 14.033 min Scan# 2013

Delta R.T. 0.000 min

Lab File: BF143608.D

Acq: 28 Aug 2025 14:12

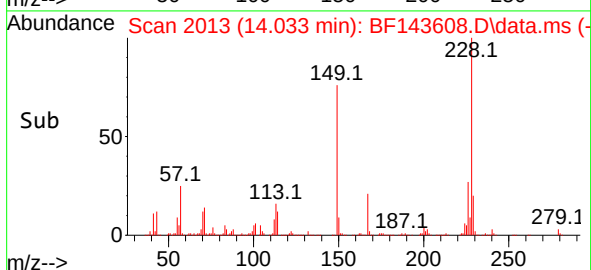
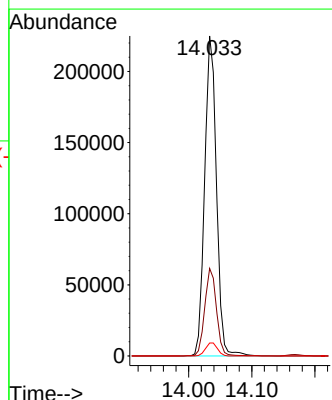
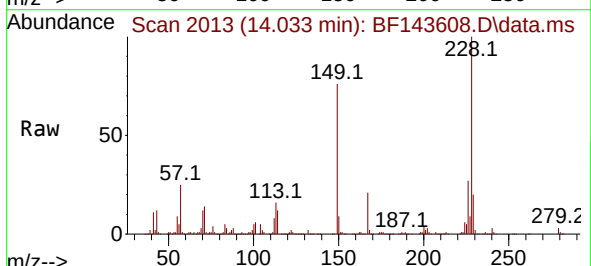
Tgt Ion:149 Resp: 292067

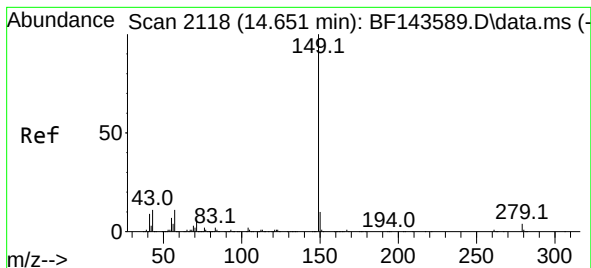
Ion Ratio Lower Upper

149 100

167 27.4 21.8 32.8

279 4.1 2.9 4.3





#85

Di-n-octyl phthalate

Concen: 44.214 ng

RT: 14.651 min Scan# 2118

Delta R.T. -0.000 min

Lab File: BF143608.D

Acq: 28 Aug 2025 14:12

Instrument :

BNA_F

ClientSampleId :

PB169431BS

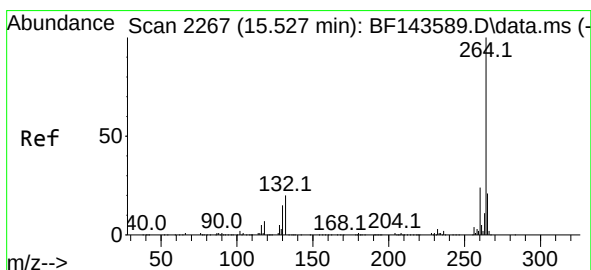
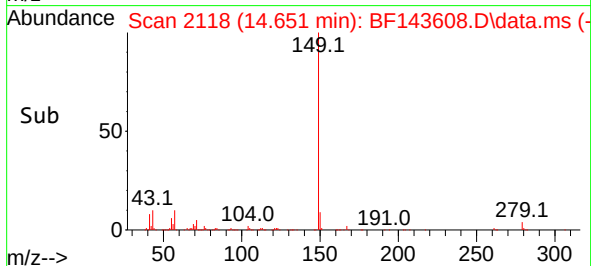
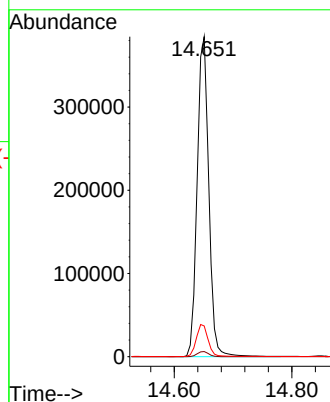
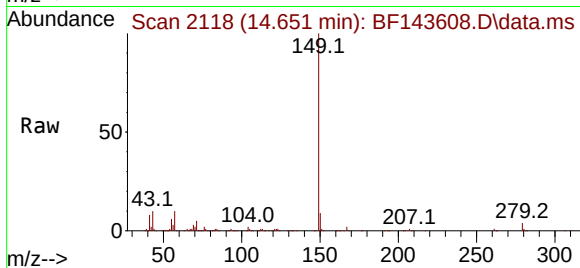
Tgt Ion:149 Resp: 525687

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 10.5 9.5 14.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2267

Delta R.T. 0.000 min

Lab File: BF143608.D

Acq: 28 Aug 2025 14:12

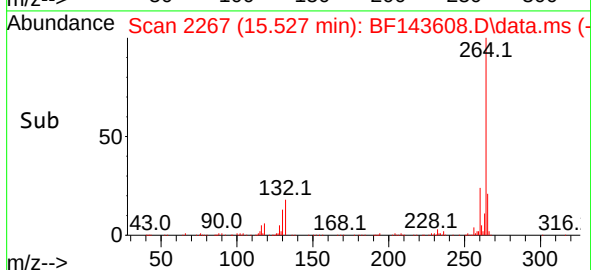
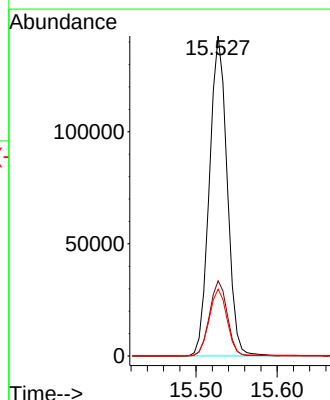
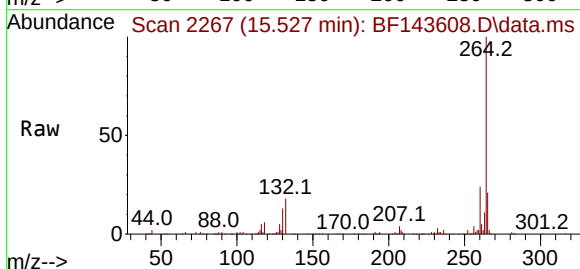
Tgt Ion:264 Resp: 216567

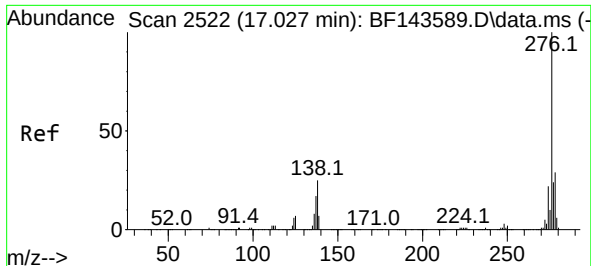
Ion Ratio Lower Upper

264 100

260 23.5 18.9 28.3

265 20.9 17.0 25.4

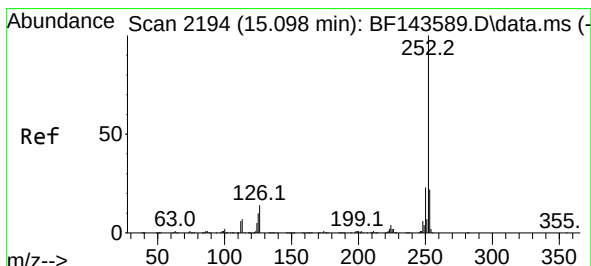
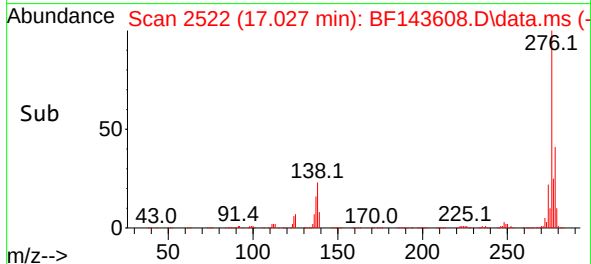
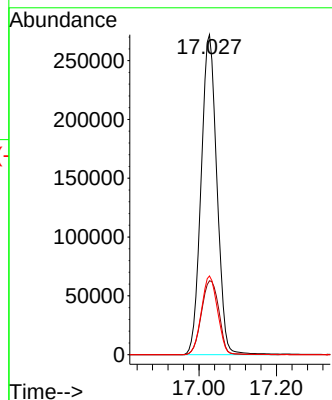
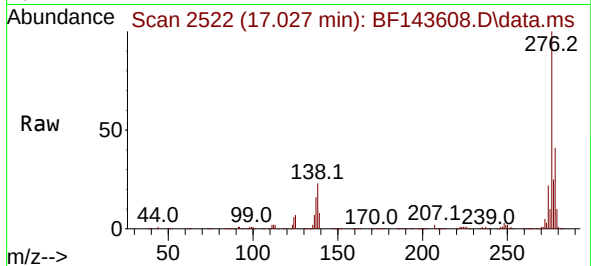




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 52.098 ng
 RT: 17.027 min Scan# 2194
 Delta R.T. 0.000 min
 Lab File: BF143608.D
 Acq: 28 Aug 2025 14:12

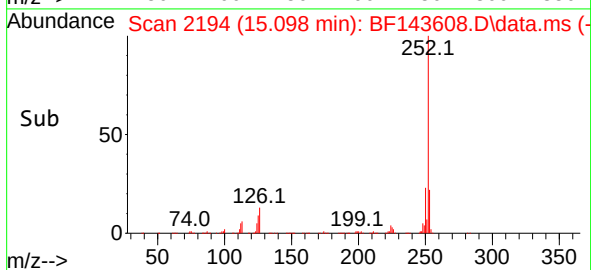
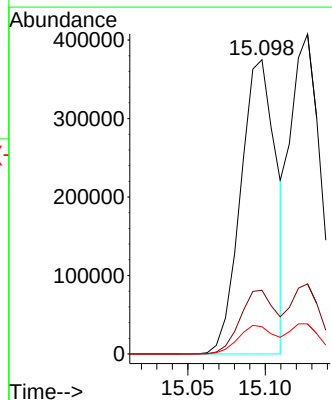
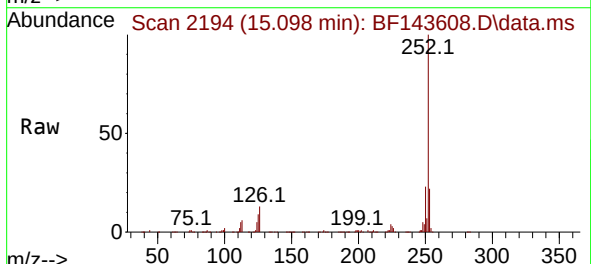
Instrument :
 BNA_F
 ClientSampleId :
 PB169431BS

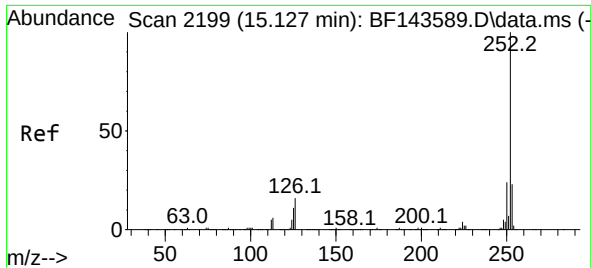
Tgt Ion:276 Resp: 767627
 Ion Ratio Lower Upper
 276 100
 138 25.5 22.3 33.5
 277 25.2 20.0 30.0



#88
 Benzo(b)fluoranthene
 Concen: 48.109 ng
 RT: 15.098 min Scan# 2194
 Delta R.T. 0.000 min
 Lab File: BF143608.D
 Acq: 28 Aug 2025 14:12

Tgt Ion:252 Resp: 595302
 Ion Ratio Lower Upper
 252 100
 253 21.6 17.5 26.3
 125 9.3 8.2 12.2

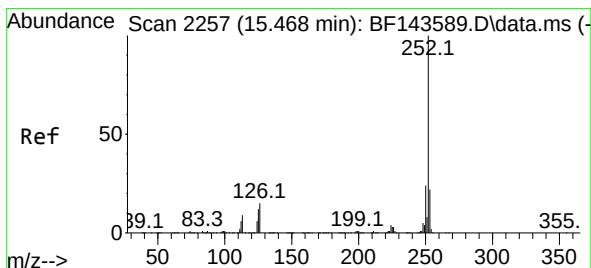
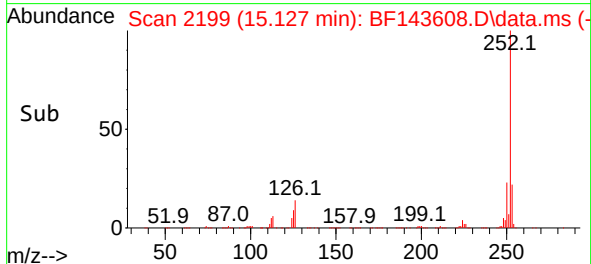
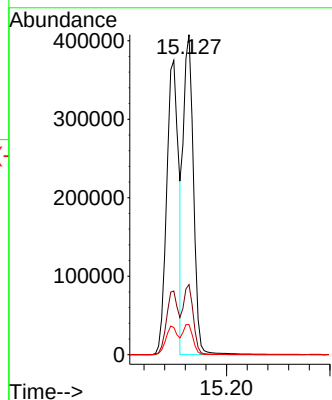
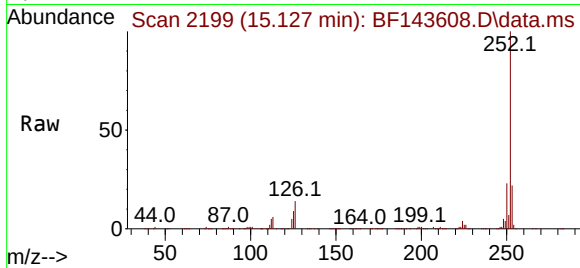




#89
Benzo(k)fluoranthene
Concen: 48.238 ng
RT: 15.127 min Scan# 2199
Delta R.T. 0.000 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

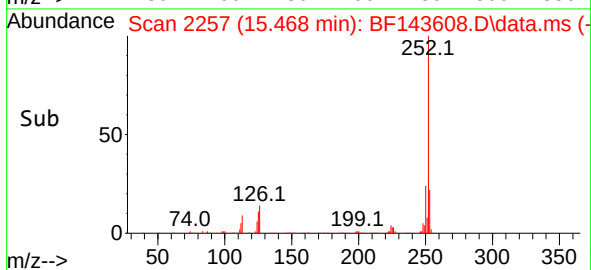
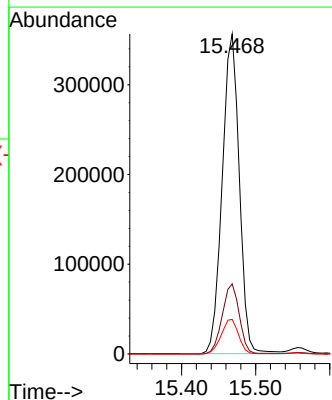
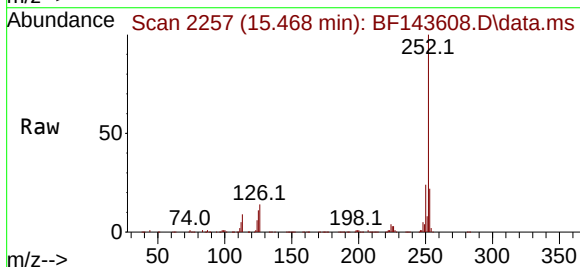
Instrument :
BNA_F
ClientSampleId :
PB169431BS

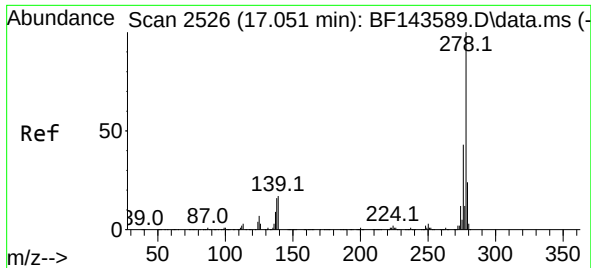
Tgt Ion:252 Resp: 558097
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 9.4 8.2 12.4



#90
Benzo(a)pyrene
Concen: 52.137 ng
RT: 15.468 min Scan# 2257
Delta R.T. 0.000 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

Tgt Ion:252 Resp: 570008
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.2
125 10.8 9.2 13.8

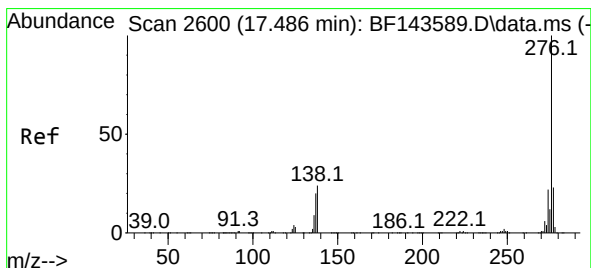
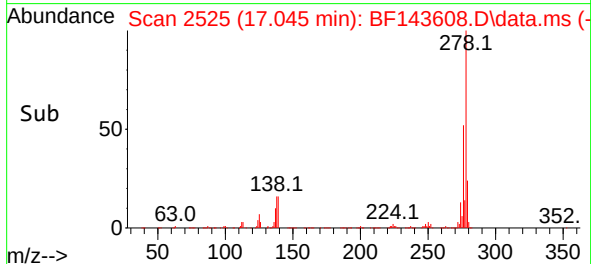
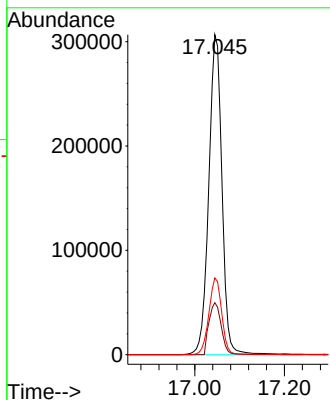
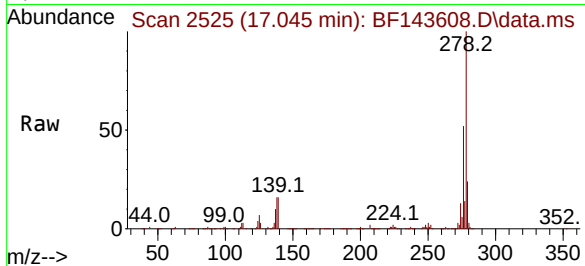




#91
Dibenzo(a,h)anthracene
Concen: 51.875 ng
RT: 17.045 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

Instrument :
BNA_F
ClientSampleId :
PB169431BS

Tgt Ion:278 Resp: 625577
Ion Ratio Lower Upper
278 100
139 16.3 13.8 20.8
279 24.0 19.4 29.0



#92
Benzo(g,h,i)perylene
Concen: 52.372 ng
RT: 17.480 min Scan# 2599
Delta R.T. -0.006 min
Lab File: BF143608.D
Acq: 28 Aug 2025 14:12

Tgt Ion:276 Resp: 625268
Ion Ratio Lower Upper
276 100
277 23.8 18.6 27.8
138 22.9 19.1 28.7

