

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092925\
 Data File : BF143822.D
 Acq On : 29 Sep 2025 15:11
 Operator : RC/JU
 Sample : PB169890BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB169890BS

Quant Time: Sep 29 15:38:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 24 05:00:00 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	174542	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	648417	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	329040	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	502052	20.000	ng	0.00
76) Chrysene-d12	14.057	240	448913	20.000	ng	0.00
86) Perylene-d12	15.533	264	653832	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1228567	114.359	ng	0.01
7) Phenol-d6	6.510	99	1458544	117.502	ng	0.00
23) Nitrobenzene-d5	7.451	82	854459	80.662	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	463549	95.146	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1771047	83.993	ng	0.00
79) Terphenyl-d14	12.998	244	2191591	99.287	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.734	88	189260	36.806	ng	98
3) Pyridine	3.493	79	538809	38.819	ng	92
4) n-Nitrosodimethylamine	3.440	42	292654	42.049	ng	89
6) Aniline	6.546	93	661809	36.735	ng	99
8) 2-Chlorophenol	6.669	128	485114	44.109	ng	100
9) Benzaldehyde	6.434	77	311403	28.648	ng	99
10) Phenol	6.528	94	644310	44.657	ng	98
11) bis(2-Chloroethyl)ether	6.622	93	500153	44.223	ng	99
12) 1,3-Dichlorobenzene	6.828	146	551476	43.187	ng	99
13) 1,4-Dichlorobenzene	6.904	146	558911	43.859	ng	99
14) 1,2-Dichlorobenzene	7.057	146	537372	44.524	ng	100
15) Benzyl Alcohol	7.022	79	437574	48.787	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	1084084	40.423	ng	96
17) 2-Methylphenol	7.134	107	389303	45.722	ng	99
18) Hexachloroethane	7.398	117	189995	42.395	ng	98
19) n-Nitroso-di-n-propyla...	7.298	70	356470	44.658	ng	93
20) 3+4-Methylphenols	7.287	107	449419	43.342	ng	# 82
22) Acetophenone	7.293	105	692365	48.615	ng	99
24) Nitrobenzene	7.469	77	504755	42.989	ng	98
25) Isophorone	7.704	82	992015	48.057	ng	99
26) 2-Nitrophenol	7.781	139	203673	42.576	ng	96
27) 2,4-Dimethylphenol	7.816	122	453437	49.146	ng	99
28) bis(2-Chloroethoxy)met...	7.916	93	609224	45.426	ng	99
29) 2,4-Dichlorophenol	8.022	162	405371	44.652	ng	100
30) 1,2,4-Trichlorobenzene	8.110	180	444353	47.164	ng	99
31) Naphthalene	8.193	128	1355080	43.655	ng	99
32) Benzoic acid	7.928	122	216139	48.554	ng	98
33) 4-Chloroaniline	8.234	127	291158	26.692	ng	99
34) Hexachlorobutadiene	8.310	225	317187	45.162	ng	99
35) Caprolactam	8.604	113	118049m	50.873	ng	
36) 4-Chloro-3-methylphenol	8.710	107	397412	46.675	ng	97
37) 2-Methylnaphthalene	8.881	142	828066	41.836	ng	99
38) 1-Methylnaphthalene	8.981	142	830520	43.838	ng	99
40) 1,2,4,5-Tetrachloroben...	9.051	216	478009	48.139	ng	100
41) Hexachlorocyclopentadiene	9.034	237	735819	116.922	ng	98
43) 2,4,6-Trichlorophenol	9.157	196	297444	47.838	ng	100

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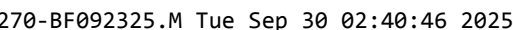
Instrument :
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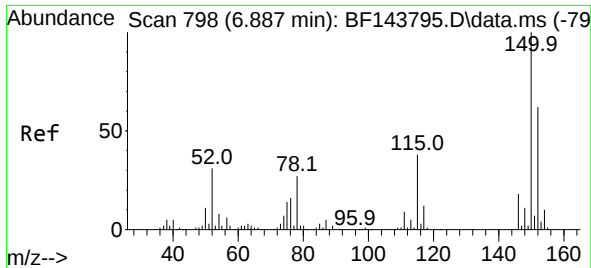
Quant Time: Sep 29 15:38:36 2025
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 24 05:00:00 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	303357	46.644	ng	99
46) 1,1'-Biphenyl	9.345	154	1141438	47.923	ng	99
47) 2-Chloronaphthalene	9.369	162	843943	44.018	ng	100
48) 2-Nitroaniline	9.463	65	279167	48.177	ng	97
49) Acenaphthylene	9.787	152	1327888	50.311	ng	99
50) Dimethylphthalate	9.645	163	928375	46.291	ng	100
51) 2,6-Dinitrotoluene	9.704	165	174992	53.108	ng	96
52) Acenaphthene	9.963	154	795259	45.786	ng	99
53) 3-Nitroaniline	9.875	138	127213	31.851	ng	98
54) 2,4-Dinitrophenol	9.981	184	120192	83.021	ng	# 24
55) Dibenzofuran	10.134	168	1112566	45.298	ng	98
56) 4-Nitrophenol	10.028	139	281436	87.443	ng	96
57) 2,4-Dinitrotoluene	10.110	165	220523	45.266	ng	99
58) Fluorene	10.475	166	822711	45.057	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	291646	52.346	ng	97
60) Diethylphthalate	10.345	149	863485	45.995	ng	99
61) 4-Chlorophenyl-phenylether	10.469	204	424859	45.666	ng	96
62) 4-Nitroaniline	10.486	138	172068	45.819	ng	98
63) Azobenzene	10.628	77	905012	45.742	ng	98
65) 4,6-Dinitro-2-methylph...	10.516	198	88875	48.298	ng	89
66) n-Nitrosodiphenylamine	10.586	169	781890	47.356	ng	100
67) 4-Bromophenyl-phenylether	10.957	248	415860	48.606	ng	99
68) Hexachlorobenzene	11.022	284	567989	48.172	ng	99
69) Atrazine	11.110	200	237424	49.657	ng	99
70) Pentachlorophenol	11.216	266	562126	95.776	ng	99
71) Phenanthrene	11.439	178	1157271	44.899	ng	100
72) Anthracene	11.492	178	1178324	45.575	ng	100
73) Carbazole	11.645	167	1005163	44.466	ng	99
74) Di-n-butylphthalate	11.975	149	1187924	45.693	ng	99
75) Fluoranthene	12.628	202	1124711	43.385	ng	99
77) Benzidine	12.751	184	406306	37.143	ng	99
78) Pyrene	12.857	202	1134976	51.425	ng	99
80) Butylbenzylphthalate	13.475	149	406601	53.250	ng	99
81) Benzo(a)anthracene	14.045	228	1105594	45.844	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	337183	32.273	ng	99
83) Chrysene	14.086	228	1050643	48.146	ng	100
84) Bis(2-ethylhexyl)phtha...	14.033	149	536383	47.924	ng	99
85) Di-n-octyl phthalate	14.651	149	944808	46.537	ng	96
87) Indeno(1,2,3-cd)pyrene	17.039	276	2504130	50.478	ng	99
88) Benzo(b)fluoranthene	15.104	252	1564047	46.974	ng	100
89) Benzo(k)fluoranthene	15.133	252	1557193	46.550	ng	100
90) Benzo(a)pyrene	15.474	252	1552114	49.592	ng	99
91) Dibenzo(a,h)anthracene	17.057	278	2041892	50.323	ng	100
92) Benzo(g,h,i)perylene	17.492	276	2067094	52.848	ng	100

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

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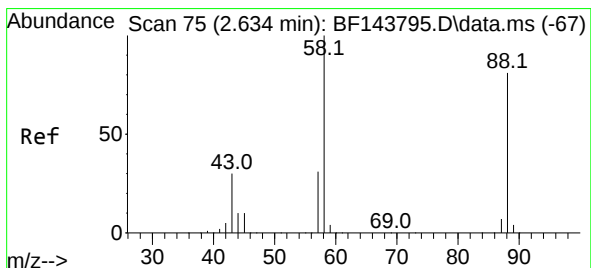
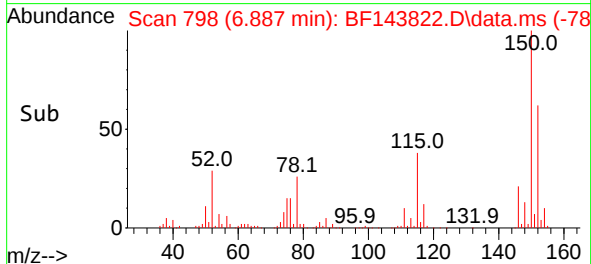
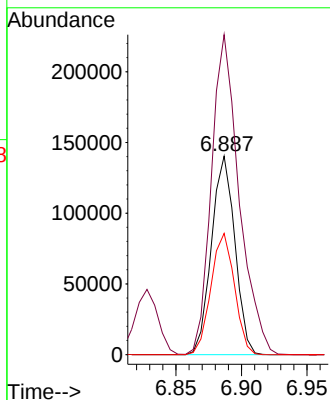
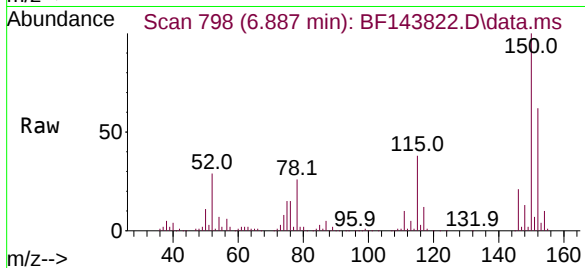




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.887 min Scan# 79
 Delta R.T. -0.000 min
 Lab File: BF143822.D
 Acq: 29 Sep 2025 15:11

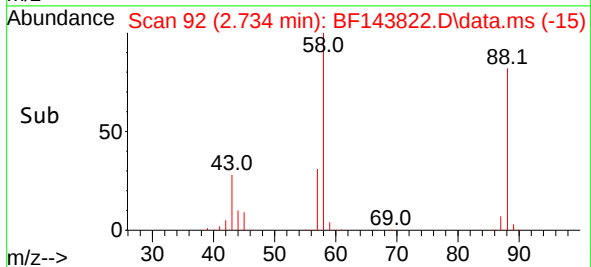
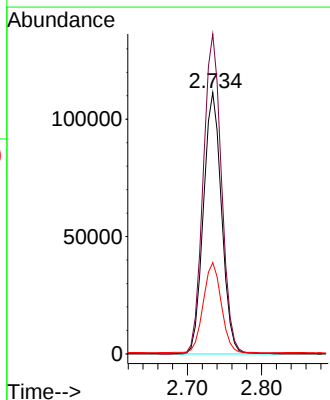
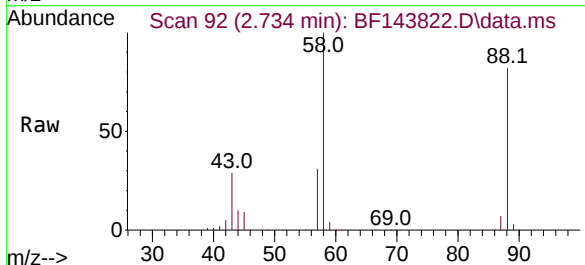
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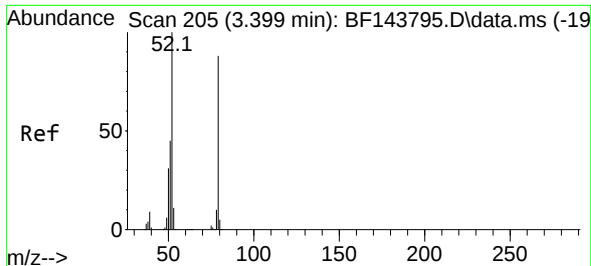
Tgt Ion:152 Resp: 174542
 Ion Ratio Lower Upper
 152 100
 150 161.2 129.6 194.4
 115 61.1 49.0 73.4



#2
 1,4-Dioxane
 Concen: 36.806 ng
 RT: 2.734 min Scan# 92
 Delta R.T. 0.100 min
 Lab File: BF143822.D
 Acq: 29 Sep 2025 15:11

Tgt Ion: 88 Resp: 189260
 Ion Ratio Lower Upper
 88 100
 58 123.5 99.4 149.2
 43 34.7 30.6 45.8

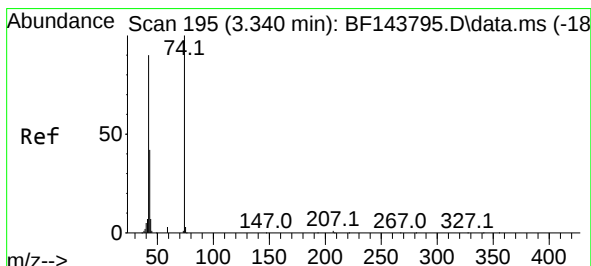
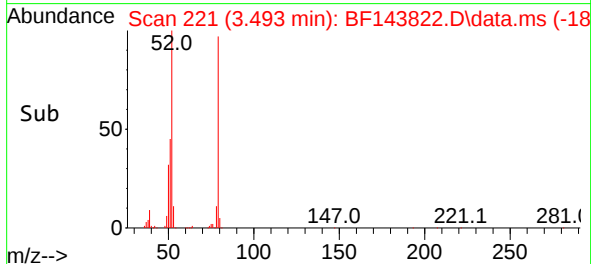
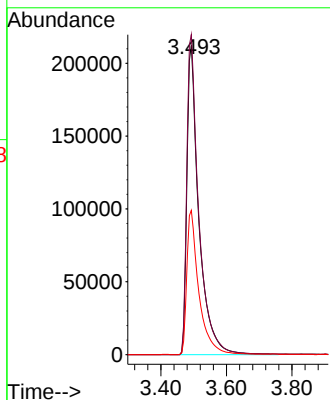
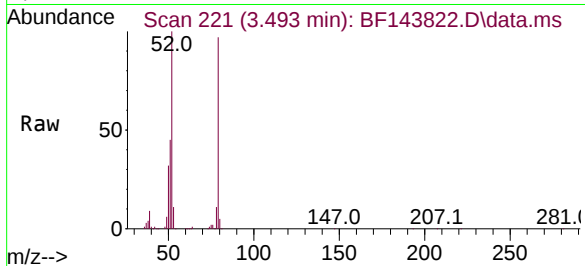




#3
Pyridine
Concen: 38.819 ng
RT: 3.493 min Scan# 211
Delta R.T. 0.094 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

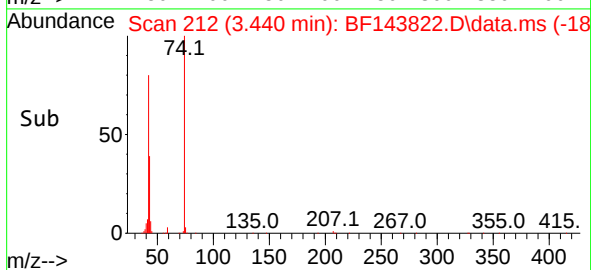
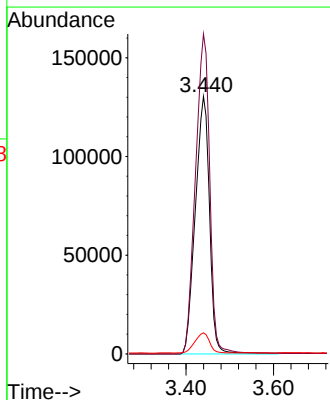
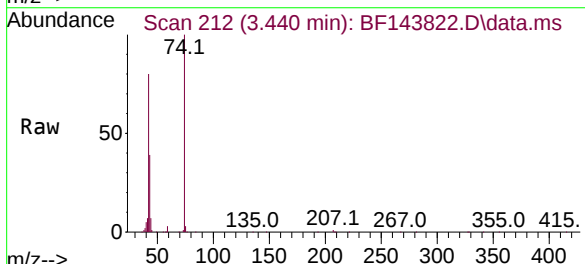
Instrument :
BNA_F
ClientSampleId :
PB169890BS

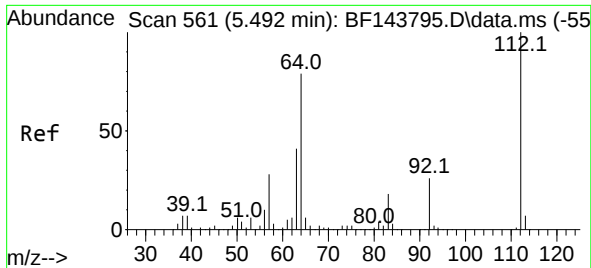
Tgt Ion: 79 Resp: 538809
Ion Ratio Lower Upper
79 100
52 103.5 90.5 135.7
51 46.7 40.6 61.0



#4
n-Nitrosodimethylamine
Concen: 42.049 ng
RT: 3.440 min Scan# 212
Delta R.T. 0.083 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

Tgt Ion: 42 Resp: 292654
Ion Ratio Lower Upper
42 100
74 124.3 89.1 133.7
44 8.2 6.4 9.6

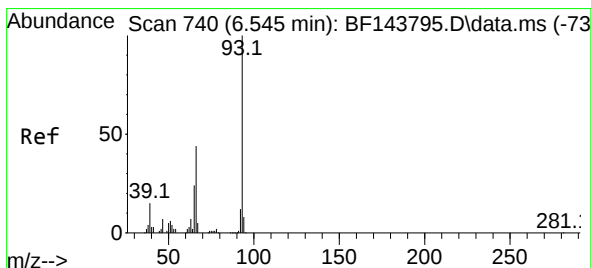
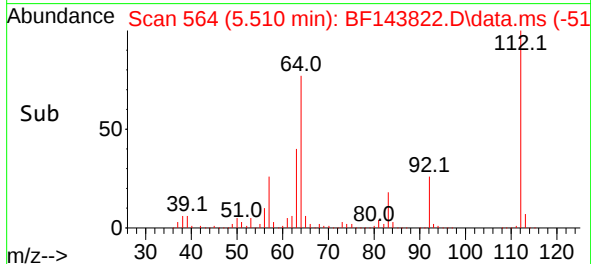
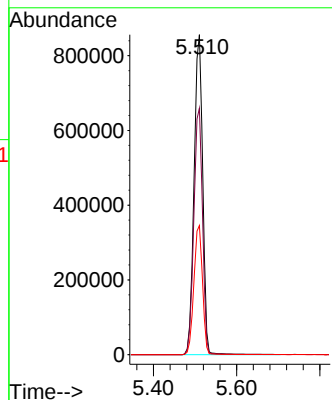
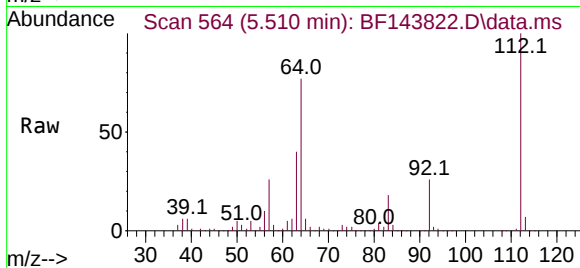




#5
2-Fluorophenol
Concen: 114.359 ng
RT: 5.510 min Scan# 561
Delta R.T. 0.012 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

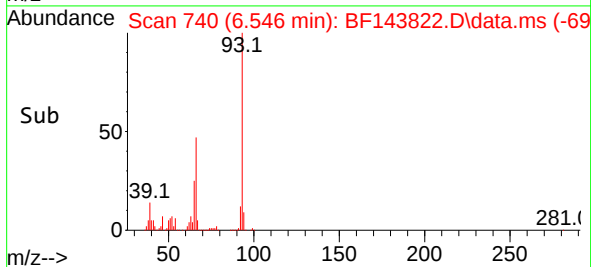
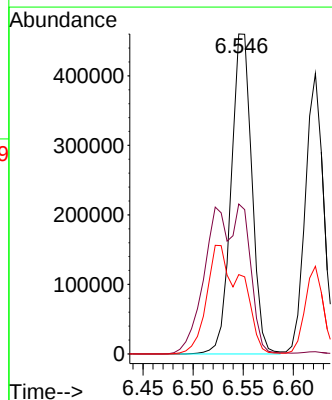
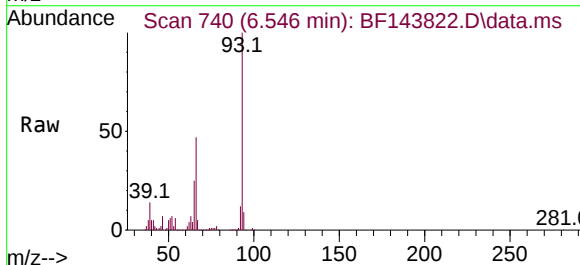
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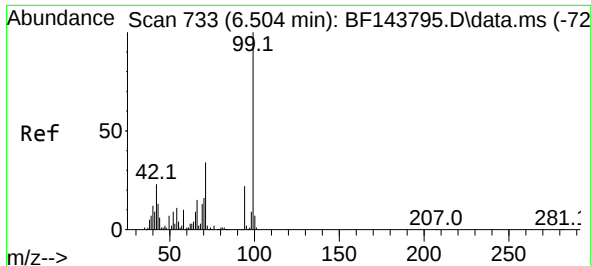
Tgt Ion:112 Resp: 1228567
Ion Ratio Lower Upper
112 100
64 77.0 63.0 94.4
63 40.3 32.6 49.0



#6
Aniline
Concen: 36.735 ng
RT: 6.546 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

Tgt Ion: 93 Resp: 661809
Ion Ratio Lower Upper
93 100
66 46.8 37.1 55.7
65 24.8 19.4 29.0

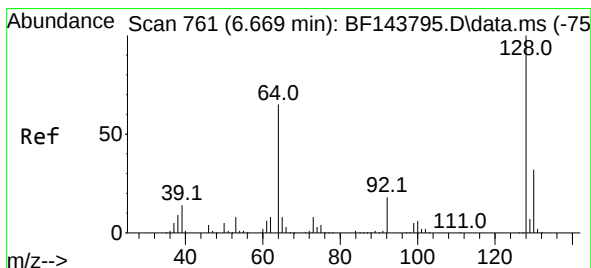
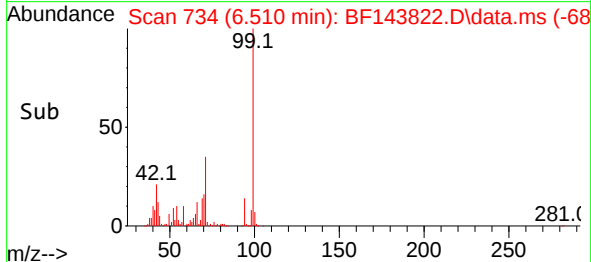
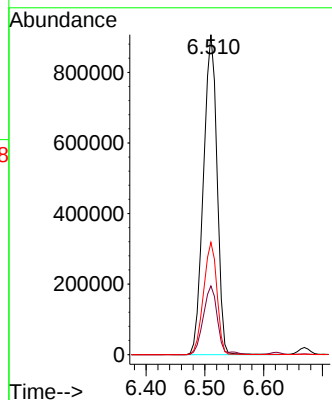
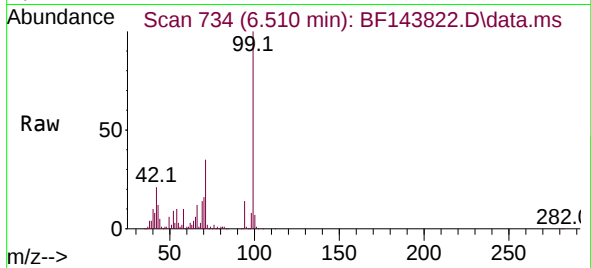




#7
Phenol-d6
Concen: 117.502 ng
RT: 6.510 min Scan# 734
Delta R.T. 0.000 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

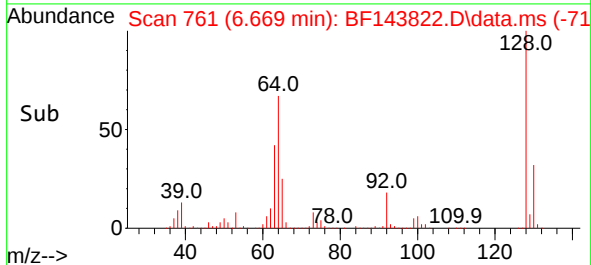
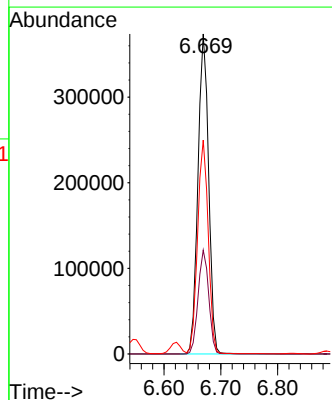
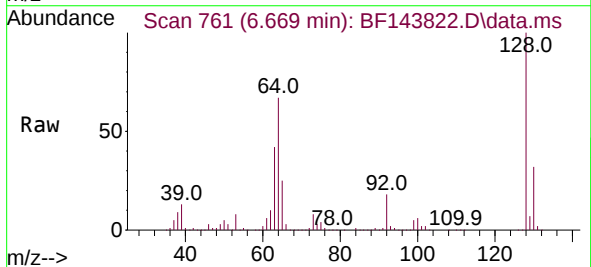
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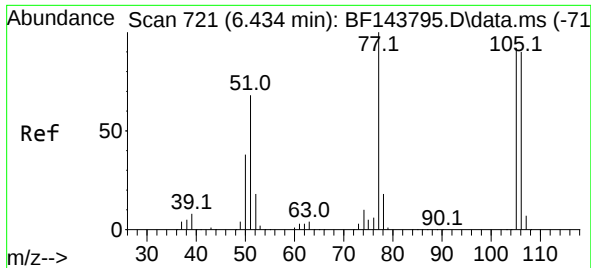
Tgt Ion: 99 Resp: 1458544
Ion Ratio Lower Upper
99 100
42 21.5 18.6 28.0
71 35.1 27.0 40.4



#8
2-Chlorophenol
Concen: 44.109 ng
RT: 6.669 min Scan# 761
Delta R.T. 0.000 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

Tgt Ion: 128 Resp: 485114
Ion Ratio Lower Upper
128 100
130 32.4 12.2 52.2
64 66.8 46.5 86.5





#9

Benzaldehyde

Concen: 28.648 ng

RT: 6.434 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF143822.D

Acq: 29 Sep 2025 15:11

Instrument :

BNA_F

ClientSampleId :

PB169890BS

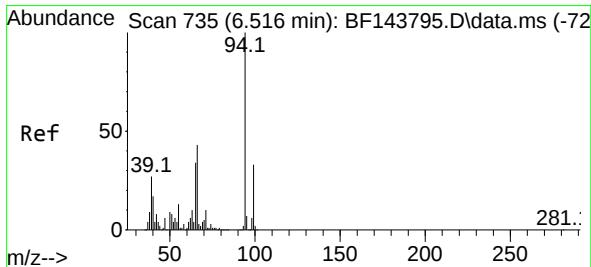
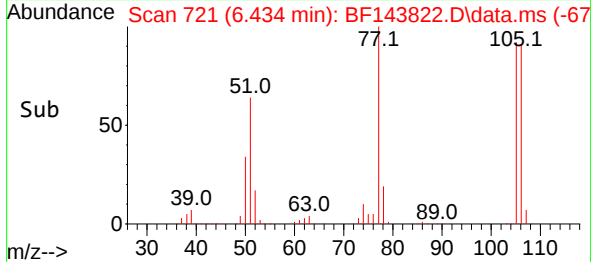
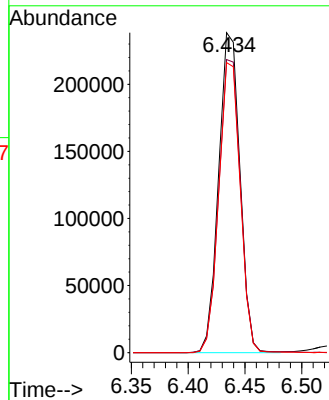
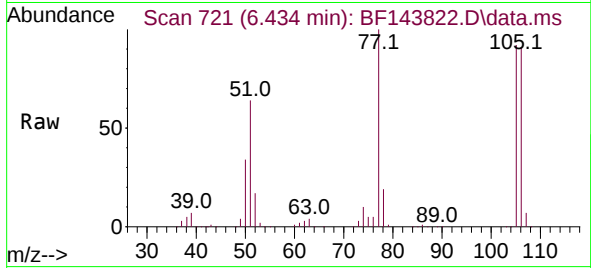
Tgt Ion: 77 Resp: 311403

Ion Ratio Lower Upper

77 100

105 91.6 71.8 111.8

106 90.6 69.8 109.8



#10

Phenol

Concen: 44.657 ng

RT: 6.528 min Scan# 737

Delta R.T. 0.000 min

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Acq: 29 Sep 2025 15:11

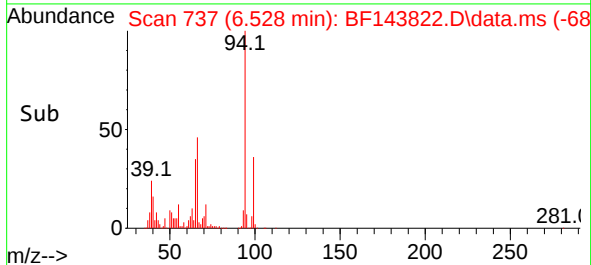
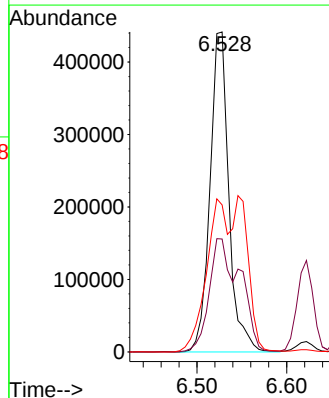
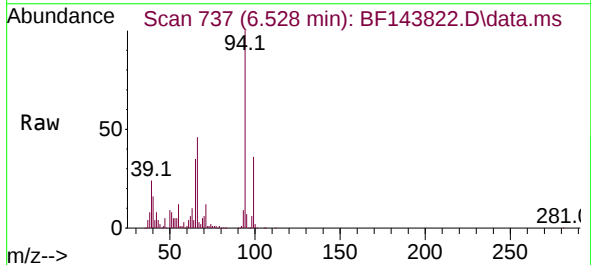
Tgt Ion: 94 Resp: 644310

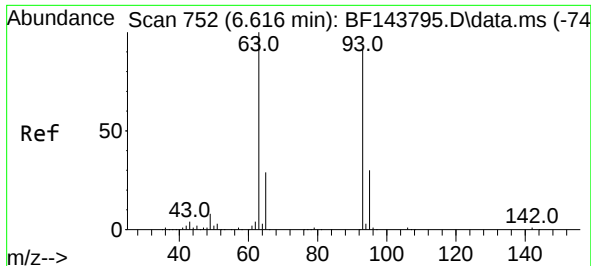
Ion Ratio Lower Upper

94 100

65 35.3 14.2 54.2

66 45.9 24.1 64.1

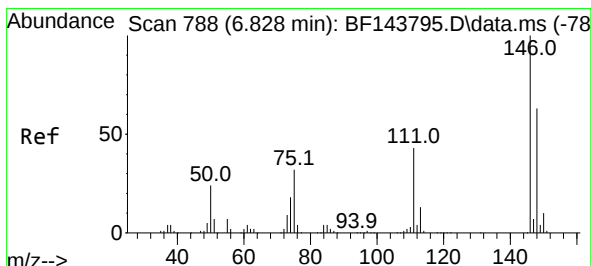
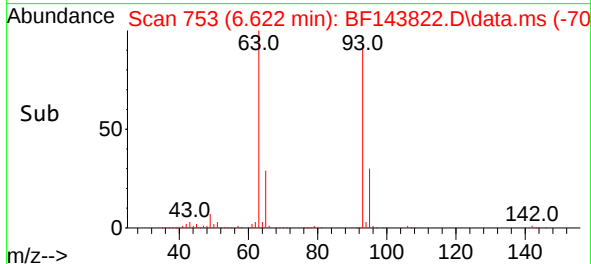
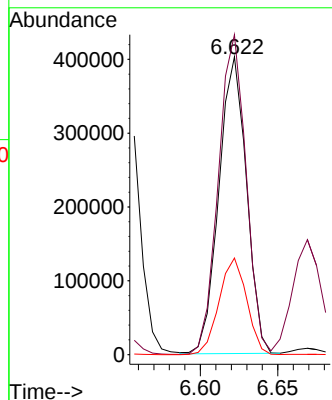
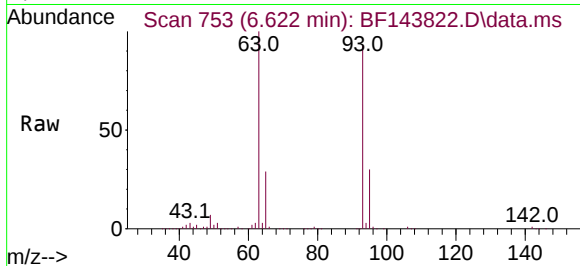




#11
bis(2-Chloroethyl)ether
Concen: 44.223 ng
RT: 6.622 min Scan# 752
Delta R.T. 0.000 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

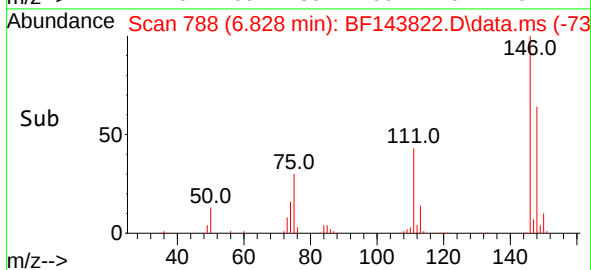
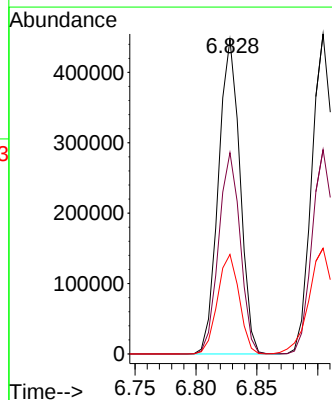
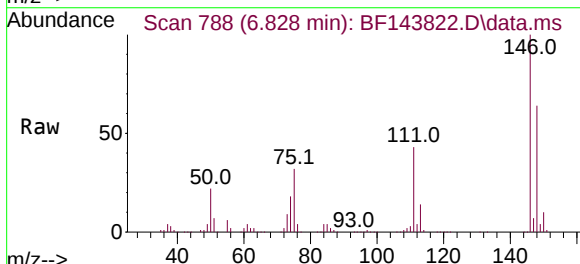
Instrument :
BNA_F
ClientSampleId :
PB169890BS

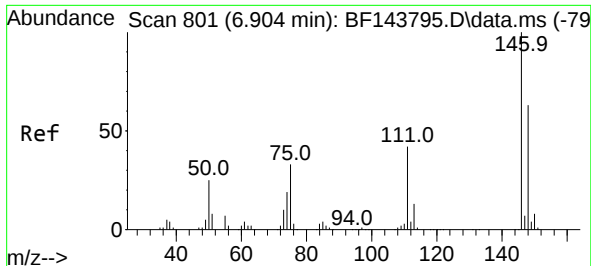
Tgt Ion: 93 Resp: 500153
Ion Ratio Lower Upper
93 100
63 107.5 89.2 129.2
95 32.4 12.9 52.9



#12
1,3-Dichlorobenzene
Concen: 43.187 ng
RT: 6.828 min Scan# 788
Delta R.T. 0.000 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

Tgt Ion:146 Resp: 551476
Ion Ratio Lower Upper
146 100
148 64.0 50.4 75.6
75 31.6 25.6 38.4





#13

1,4-Dichlorobenzene

Concen: 43.859 ng

RT: 6.904 min Scan# 801

Delta R.T. 0.000 min

Lab File: BF143822.D

Acq: 29 Sep 2025 15:11

Instrument :

BNA_F

ClientSampleId :

PB169890BS

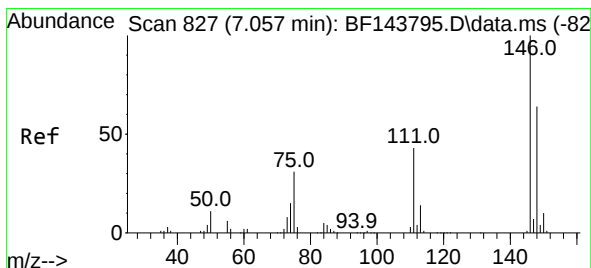
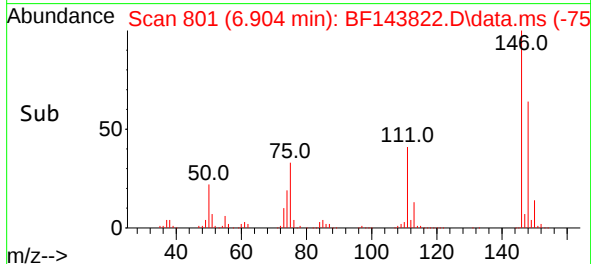
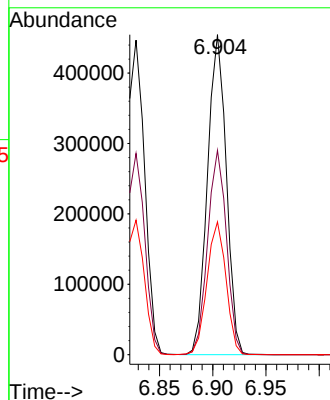
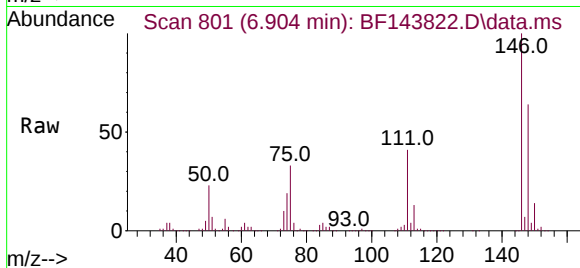
Tgt Ion:146 Resp: 558911

Ion Ratio Lower Upper

146 100

148 63.8 50.7 76.1

111 41.5 33.4 50.2



#14

1,2-Dichlorobenzene

Concen: 44.524 ng

RT: 7.057 min Scan# 827

Delta R.T. 0.000 min

Lab File: BF143822.D

Acq: 29 Sep 2025 15:11

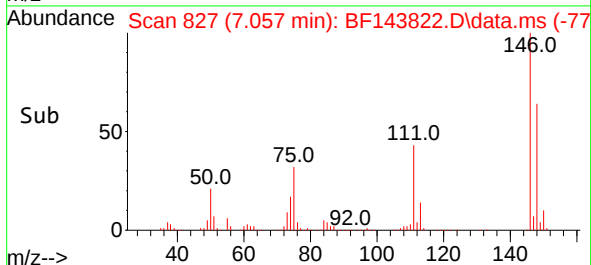
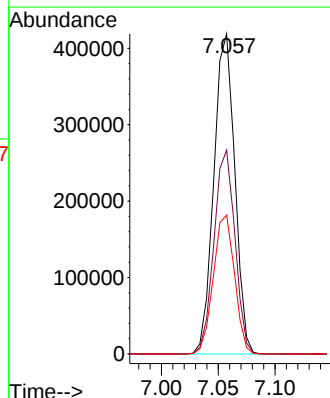
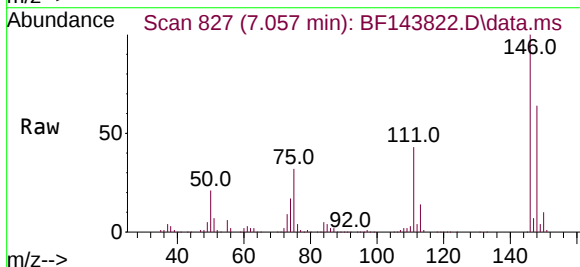
Tgt Ion:146 Resp: 537372

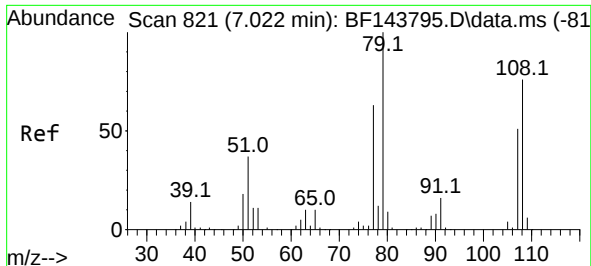
Ion Ratio Lower Upper

146 100

148 63.7 51.1 76.7

111 43.4 34.3 51.5



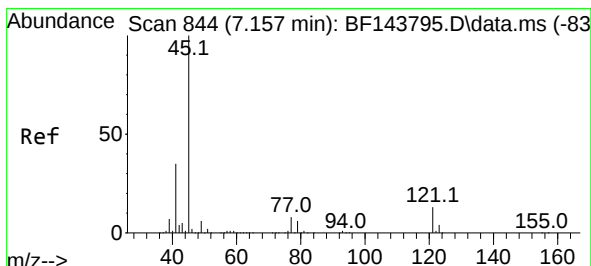
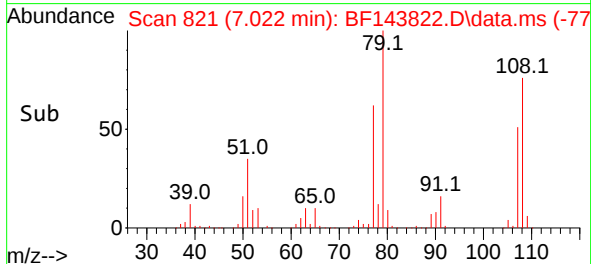
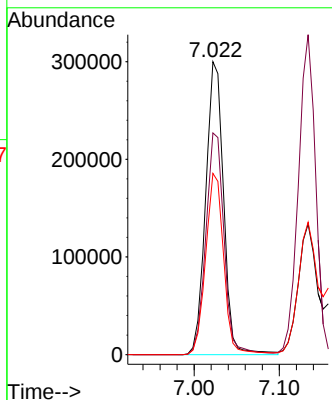
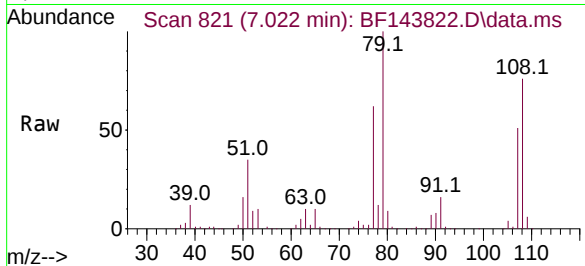


#15
Benzyl Alcohol
Concen: 48.787 ng
RT: 7.022 min Scan# 821
Delta R.T. -0.006 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

Instrument :
BNA_F
ClientSampleId :
PB169890BS

Tgt Ion: 79 Resp: 437574

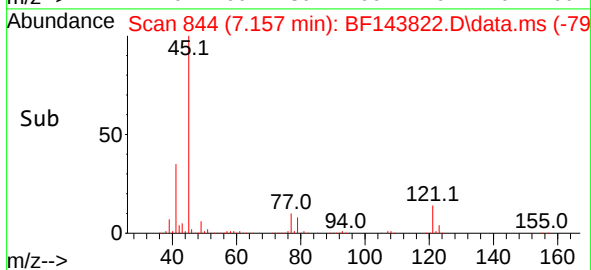
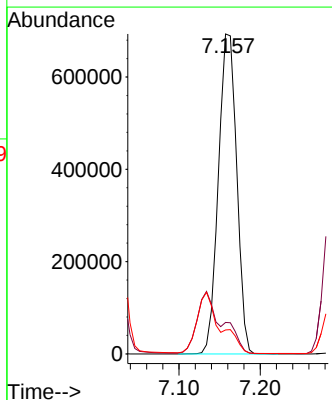
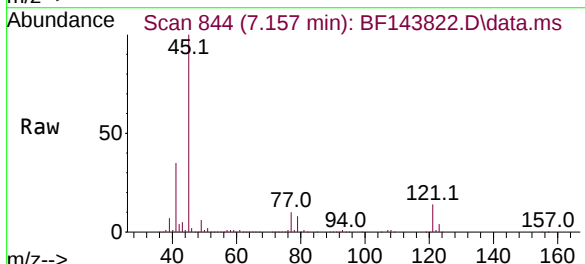
Ion	Ratio	Lower	Upper
79	100		
108	75.7	60.5	90.7
77	61.9	50.3	75.5

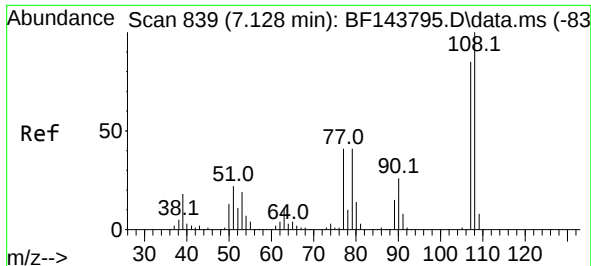


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.423 ng
RT: 7.157 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

Tgt Ion: 45 Resp: 1084084

Ion	Ratio	Lower	Upper
45	100		
77	9.8	0.0	28.5
79	7.5	0.0	26.3

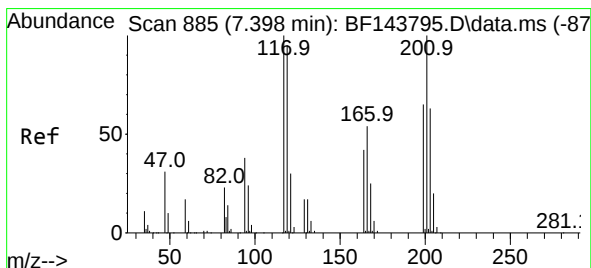
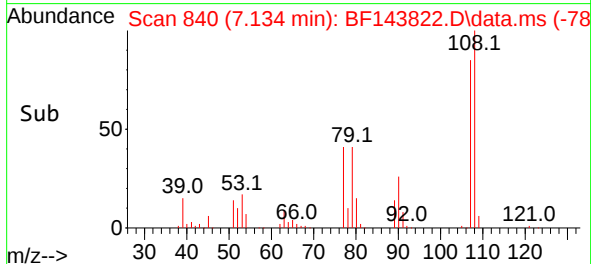
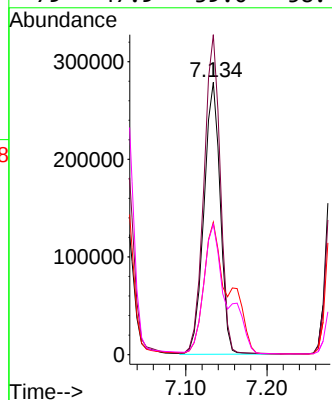
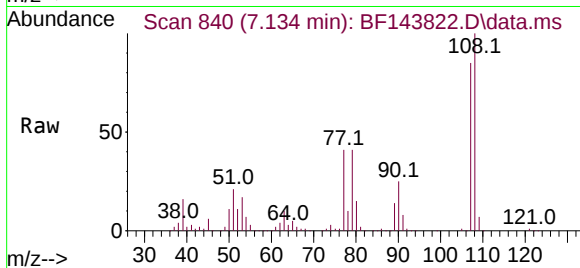




#17
2-Methylphenol
Concen: 45.722 ng
RT: 7.134 min Scan# 840
Delta R.T. -0.000 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

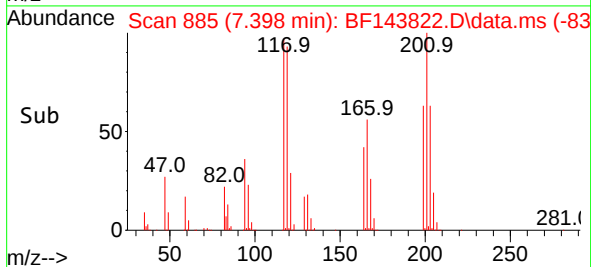
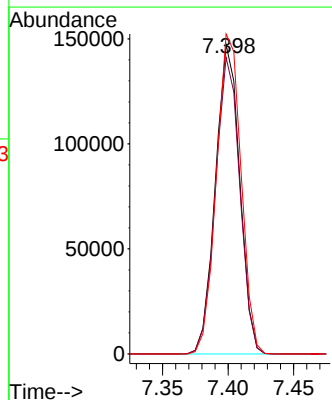
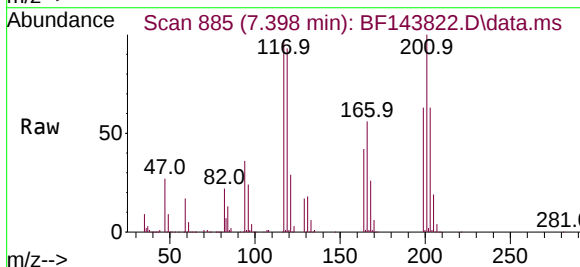
Instrument :
BNA_F
ClientSampleId :
PB169890BS

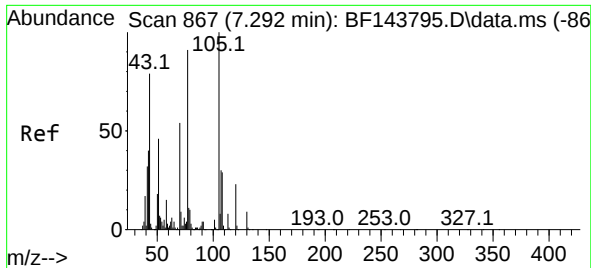
Tgt Ion:107 Resp: 389303
Ion Ratio Lower Upper
107 100
108 117.5 94.2 141.4
77 48.6 38.6 58.0
79 47.9 39.0 58.4



#18
Hexachloroethane
Concen: 42.395 ng
RT: 7.398 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

Tgt Ion:117 Resp: 189995
Ion Ratio Lower Upper
117 100
119 95.8 76.2 114.2
201 103.5 79.7 119.5





#19

n-Nitroso-di-n-propylamine

Concen: 44.658 ng

RT: 7.298 min Scan# 867

Delta R.T. -0.006 min

Lab File: BF143822.D

Acq: 29 Sep 2025 15:11

Instrument :

BNA_F

ClientSampleId :

PB169890BS

Tgt Ion: 70 Resp: 356470

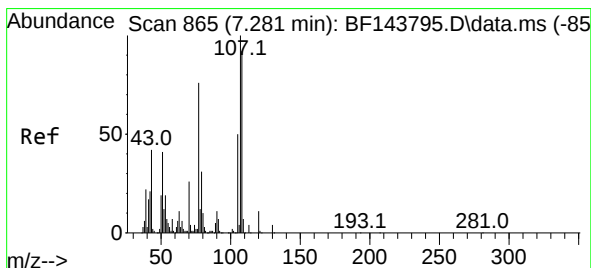
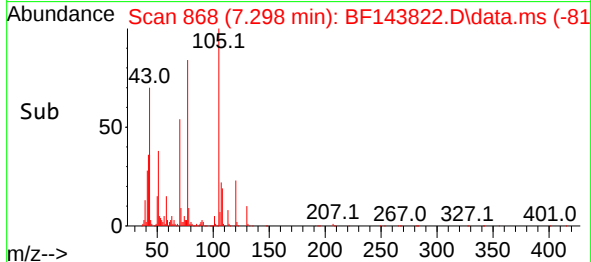
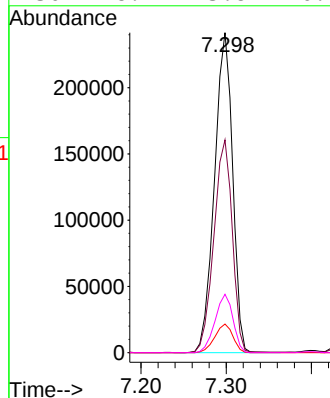
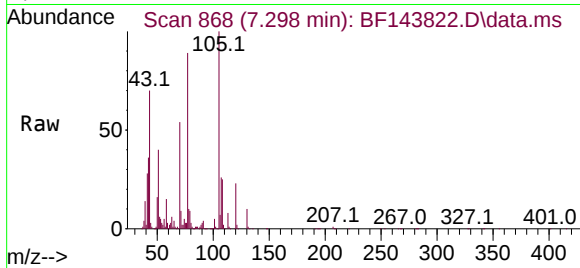
Ion Ratio Lower Upper

70 100

42 66.5 59.4 89.0

101 8.9 7.1 10.7

130 18.2 13.8 20.8



#20

3+4-Methylphenols

Concen: 43.342 ng

RT: 7.287 min Scan# 866

Delta R.T. 0.000 min

Lab File: BF143822.D

Acq: 29 Sep 2025 15:11

Tgt Ion:107 Resp: 449419

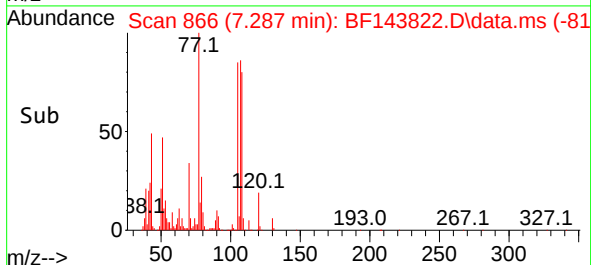
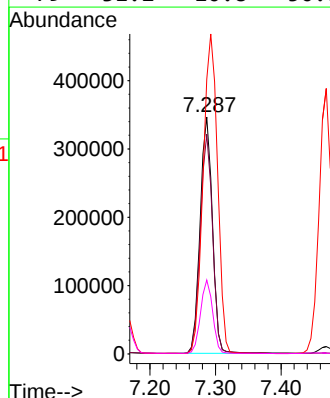
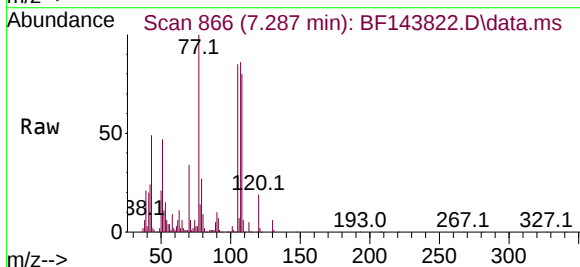
Ion Ratio Lower Upper

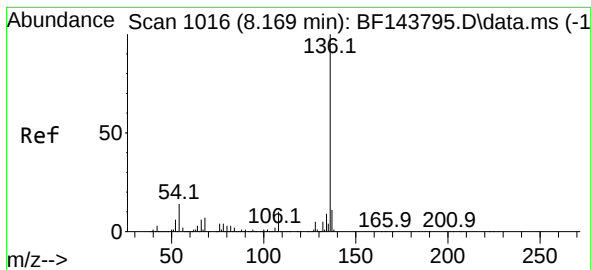
107 100

108 92.7 72.5 112.5

77 115.9 56.2 96.2#

79 31.2 10.8 50.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1016

Delta R.T. 0.000 min

Lab File: BF143822.D

Acq: 29 Sep 2025 15:11

Instrument :

BNA_F

ClientSampleId :

PB169890BS

Tgt Ion:136 Resp: 648417

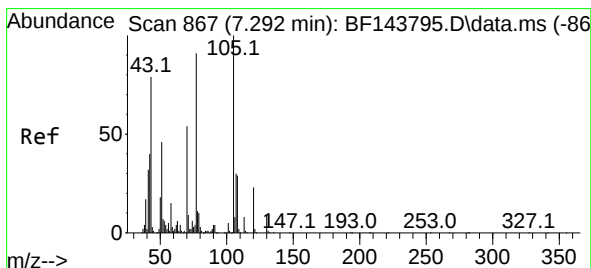
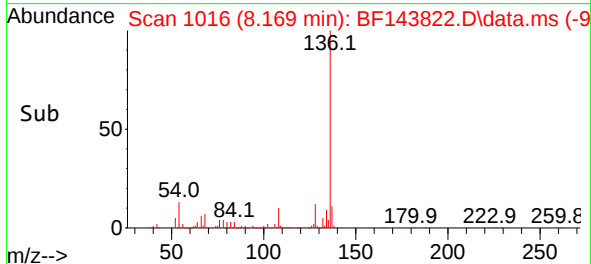
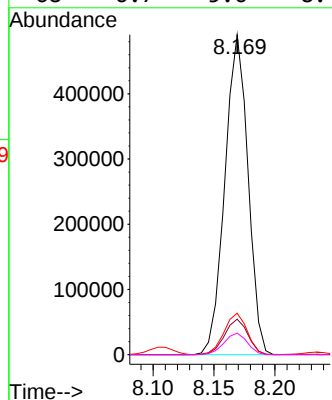
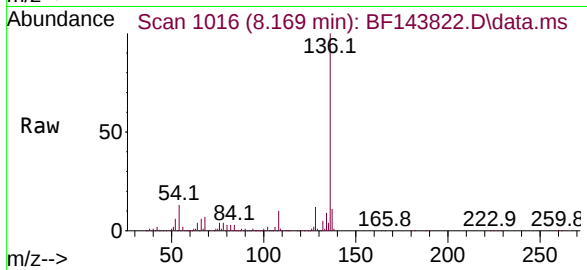
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 13.0 11.2 16.8

68 6.7 5.6 8.4



#22

Acetophenone

Concen: 48.615 ng

RT: 7.293 min Scan# 867

Delta R.T. -0.006 min

Lab File: BF143822.D

Acq: 29 Sep 2025 15:11

Tgt Ion:105 Resp: 692365

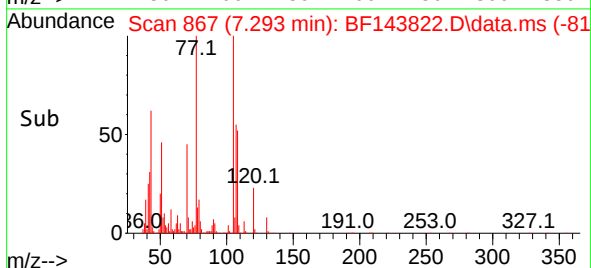
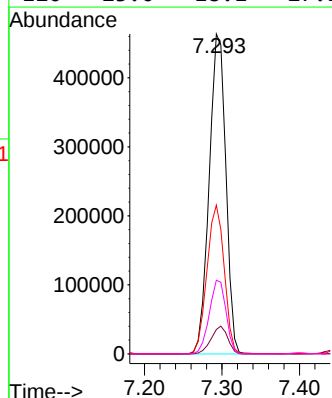
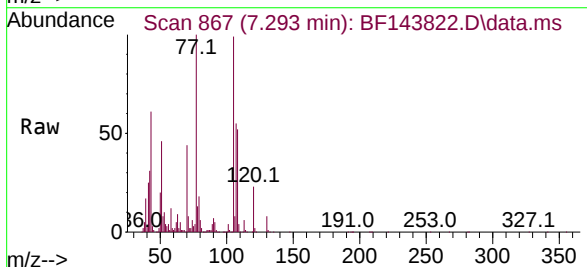
Ion Ratio Lower Upper

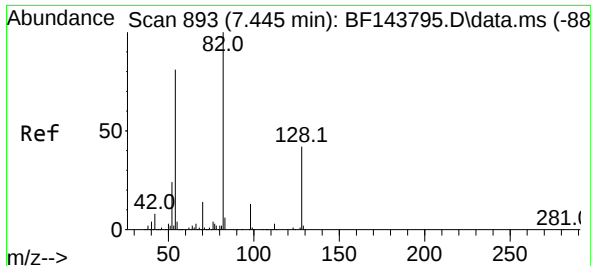
105 100

71 7.6 7.0 10.4

51 46.5 36.6 55.0

120 23.0 18.1 27.1

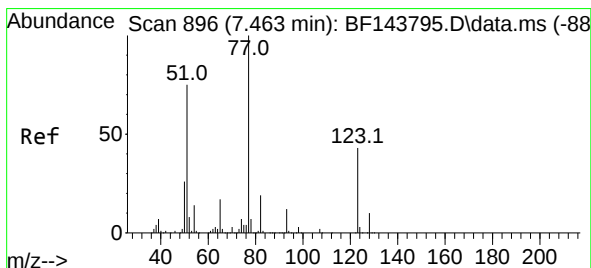
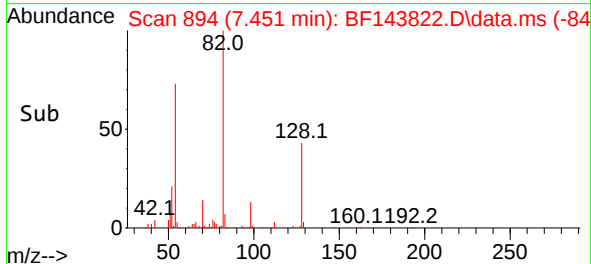
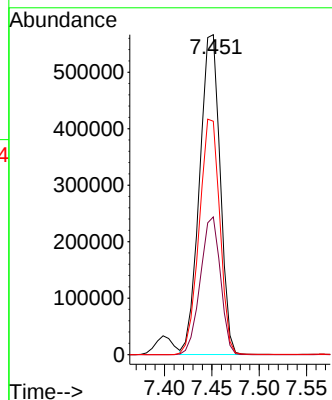
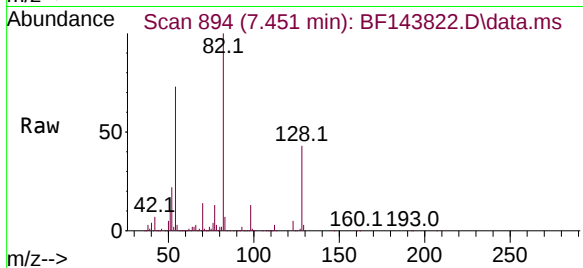




#23
Nitrobenzene-d5
Concen: 80.662 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.000 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

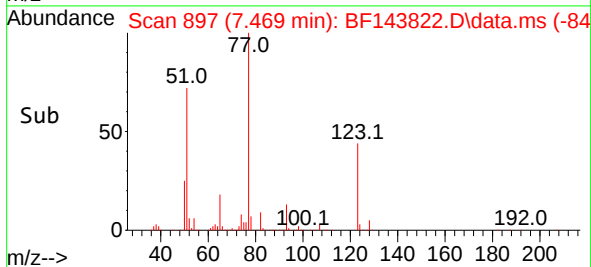
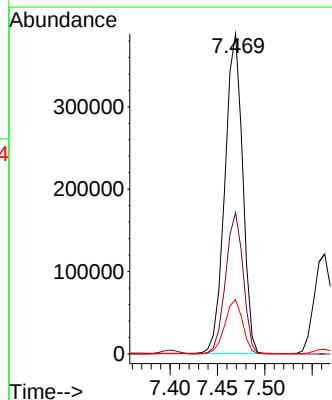
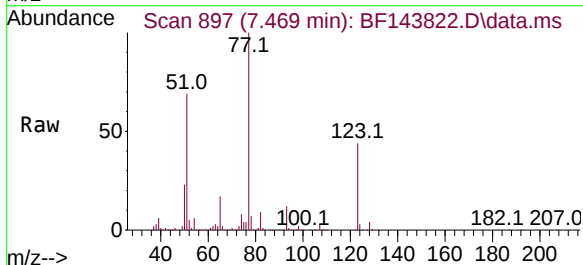
Instrument :
BNA_F
ClientSampleId :
PB169890BS

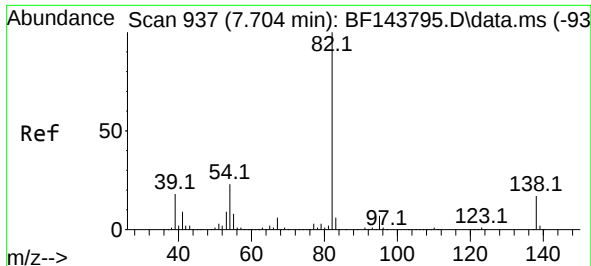
Tgt Ion: 82 Resp: 854459
Ion Ratio Lower Upper
82 100
128 43.0 33.3 49.9
54 72.9 64.2 96.4



#24
Nitrobenzene
Concen: 42.989 ng
RT: 7.469 min Scan# 897
Delta R.T. -0.006 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

Tgt Ion: 77 Resp: 504755
Ion Ratio Lower Upper
77 100
123 44.2 34.0 51.0
65 17.0 13.5 20.3

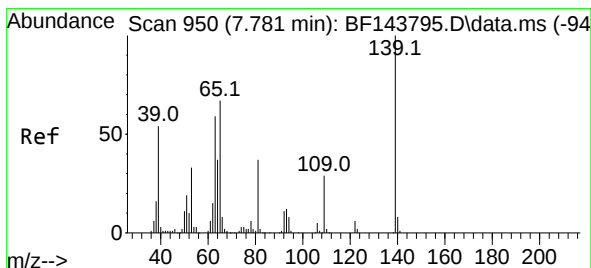
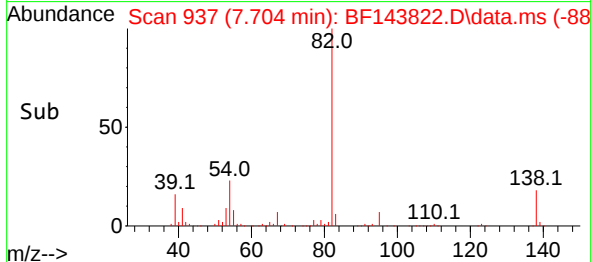
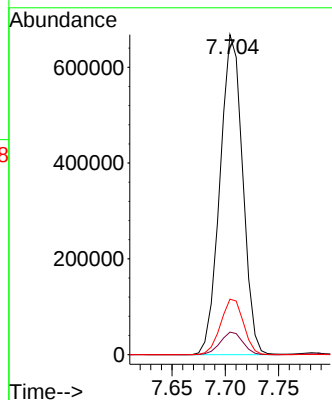
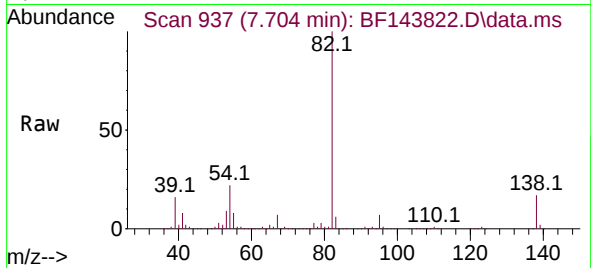




#25
Isophorone
Concen: 48.057 ng
RT: 7.704 min Scan# 937
Delta R.T. -0.006 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

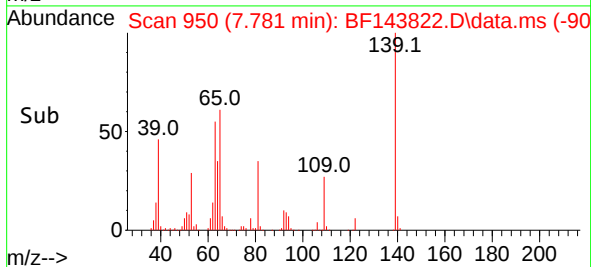
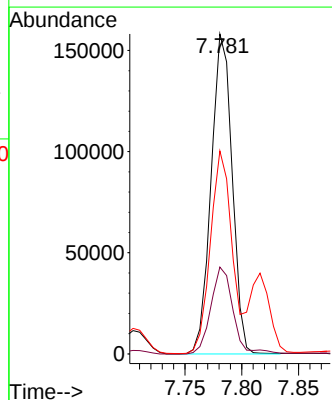
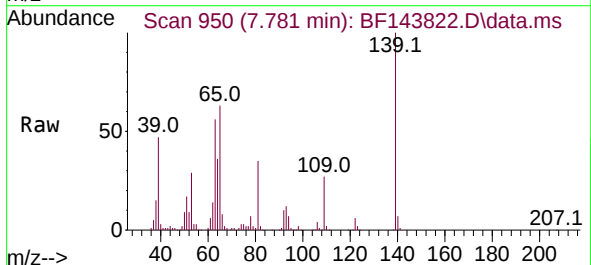
Instrument :
BNA_F
ClientSampleId :
PB169890BS

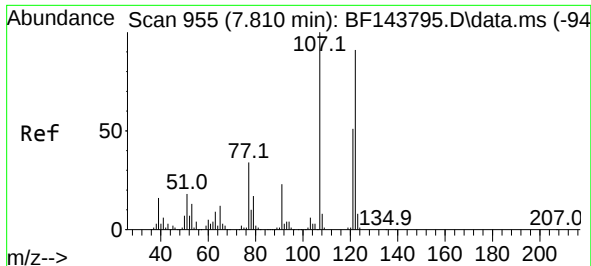
Tgt Ion: 82 Resp: 992015
Ion Ratio Lower Upper
82 100
95 7.0 5.4 8.2
138 17.3 13.7 20.5



#26
2-Nitrophenol
Concen: 42.576 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.005 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

Tgt Ion:139 Resp: 203673
Ion Ratio Lower Upper
139 100
109 27.1 23.3 34.9
65 63.4 53.8 80.6





#27

2,4-Dimethylphenol

Concen: 49.146 ng

RT: 7.816 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF143822.D

Acq: 29 Sep 2025 15:11

Instrument :

BNA_F

ClientSampleId :

PB169890BS

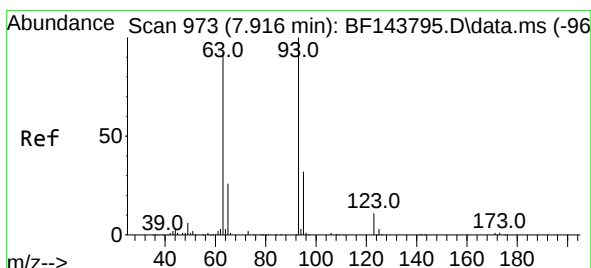
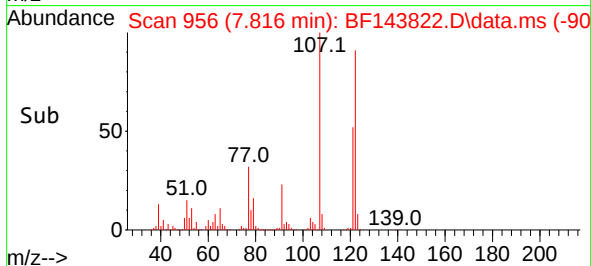
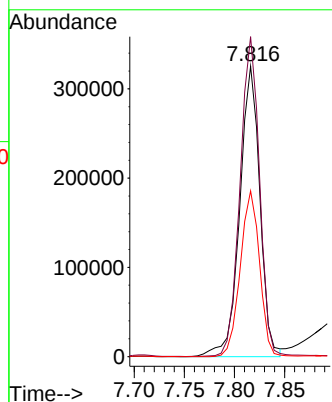
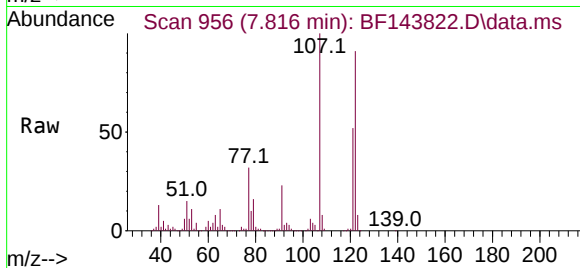
Tgt Ion:122 Resp: 453437

Ion Ratio Lower Upper

122 100

107 110.2 87.5 131.3

121 57.1 44.2 66.4



#28

bis(2-Chloroethoxy)methane

Concen: 45.426 ng

RT: 7.916 min Scan# 973

Delta R.T. 0.000 min

Lab File: BF143822.D

Acq: 29 Sep 2025 15:11

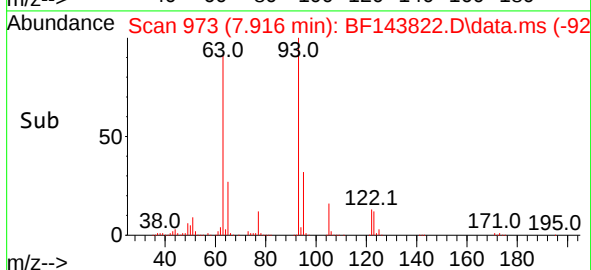
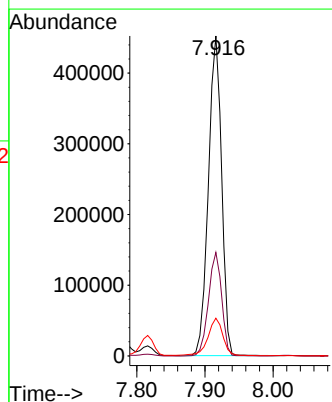
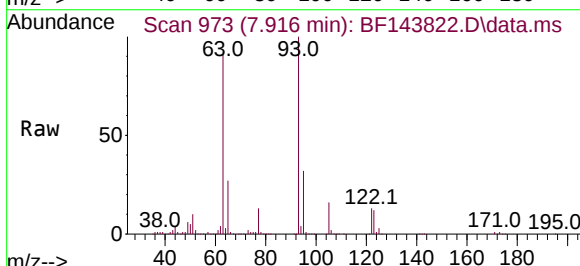
Tgt Ion: 93 Resp: 609224

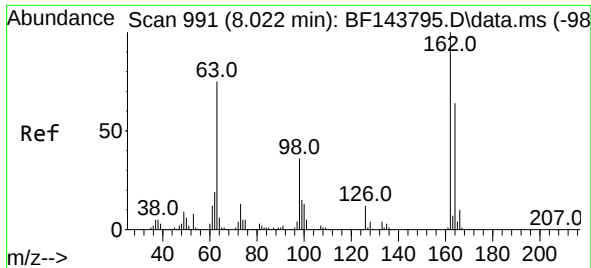
Ion Ratio Lower Upper

93 100

95 32.3 25.8 38.8

123 11.8 8.8 13.2





#29

2,4-Dichlorophenol

Concen: 44.652 ng

RT: 8.022 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF143822.D

Acq: 29 Sep 2025 15:11

Instrument :

BNA_F

ClientSampleId :

PB169890BS

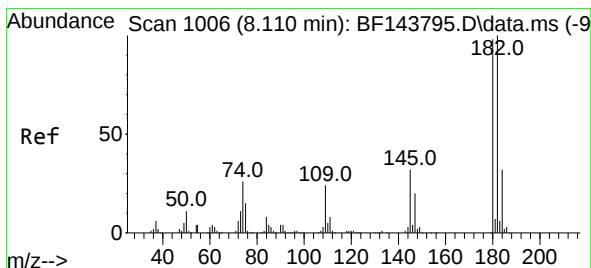
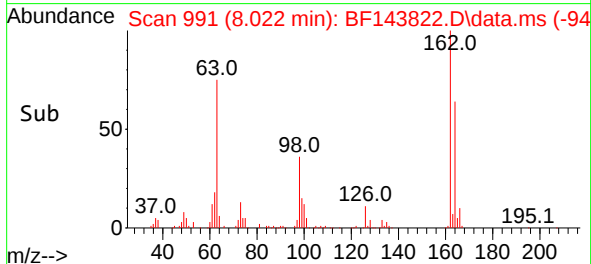
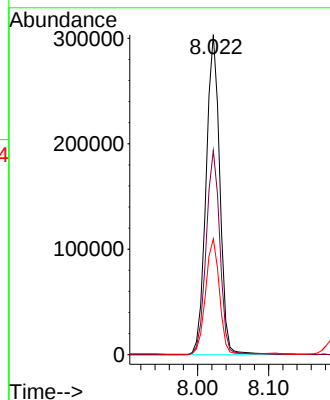
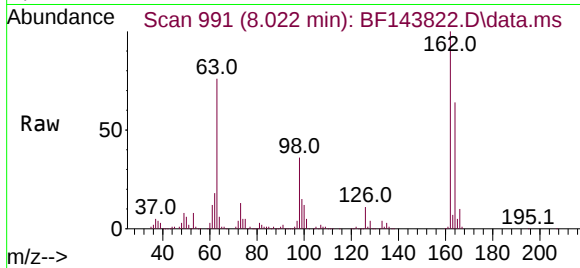
Tgt Ion:162 Resp: 405371

Ion Ratio Lower Upper

162 100

164 63.8 44.1 84.1

98 36.2 15.8 55.8



#30

1,2,4-Trichlorobenzene

Concen: 47.164 ng

RT: 8.110 min Scan# 1006

Delta R.T. 0.000 min

Lab File: BF143822.D

Acq: 29 Sep 2025 15:11

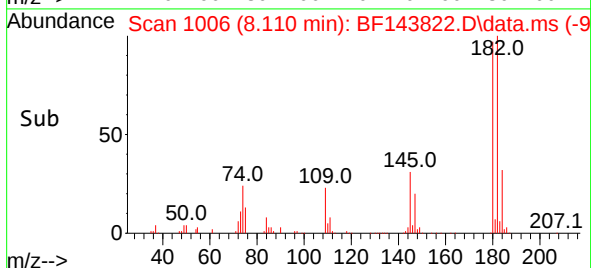
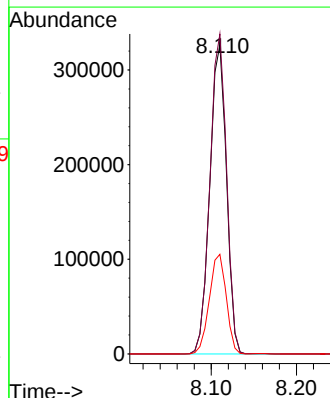
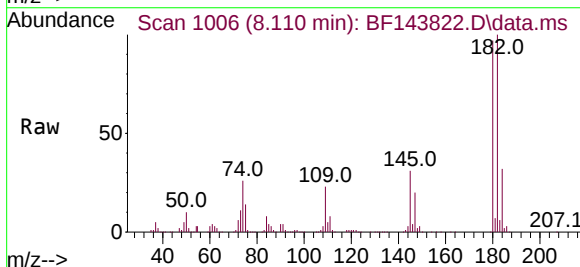
Tgt Ion:180 Resp: 444353

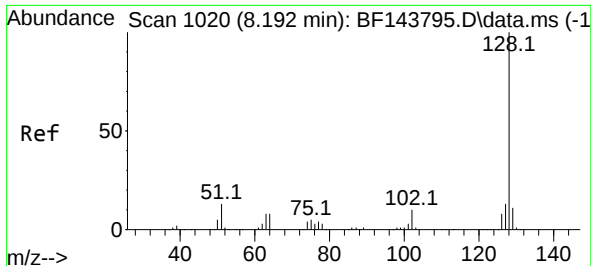
Ion Ratio Lower Upper

180 100

182 103.6 82.0 123.0

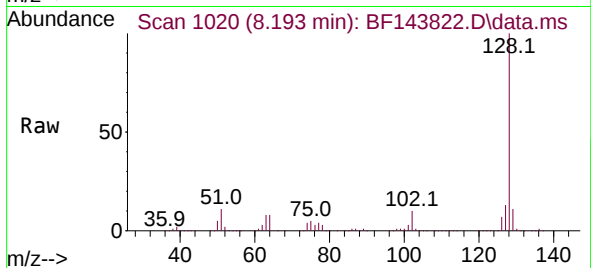
145 32.3 25.9 38.9



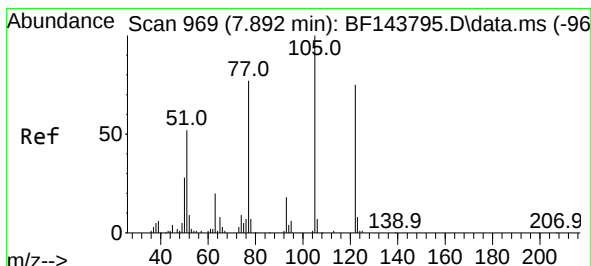
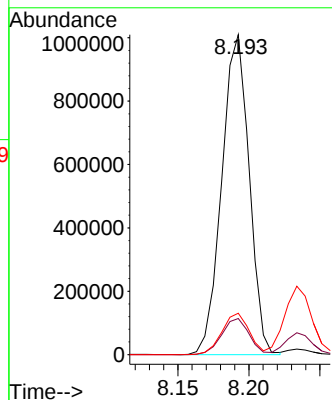
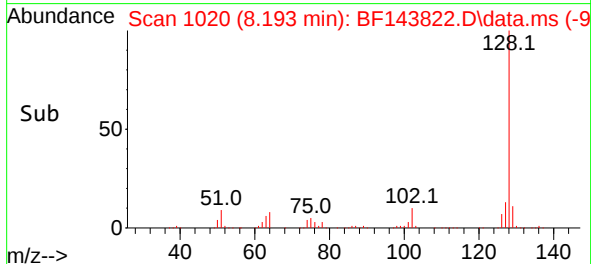


#31
Naphthalene
Concen: 43.655 ng
RT: 8.193 min Scan# 1020
Delta R.T. 0.000 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

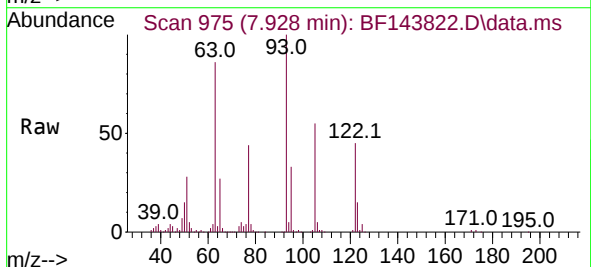
Instrument :
BNA_F
ClientSampleId :
PB169890BS



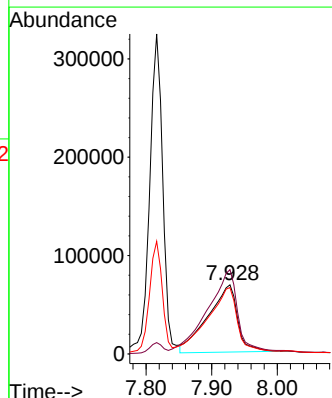
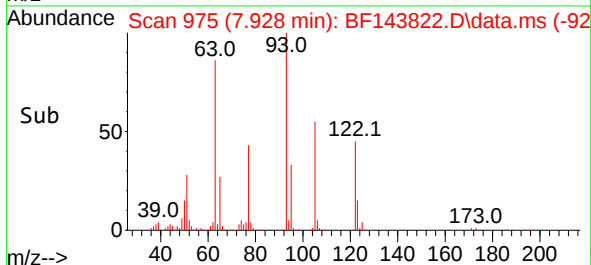
Tgt Ion:128 Resp: 1355080
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 12.9 10.2 15.4

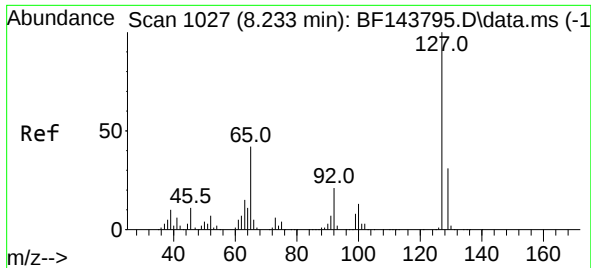


#32
Benzoic acid
Concen: 48.554 ng
RT: 7.928 min Scan# 975
Delta R.T. 0.006 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11



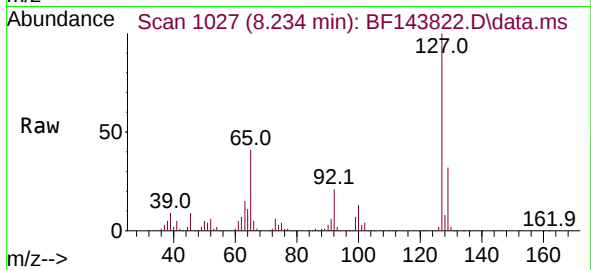
Tgt Ion:122 Resp: 216139
Ion Ratio Lower Upper
122 100
105 121.9 103.7 143.7
77 96.1 78.8 118.8



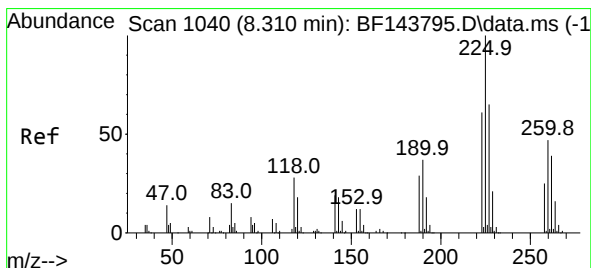
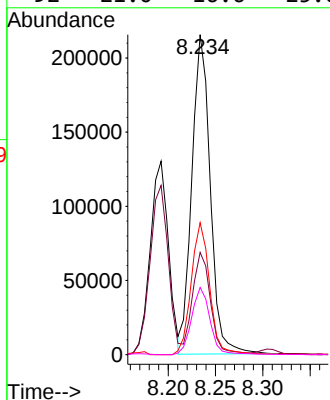
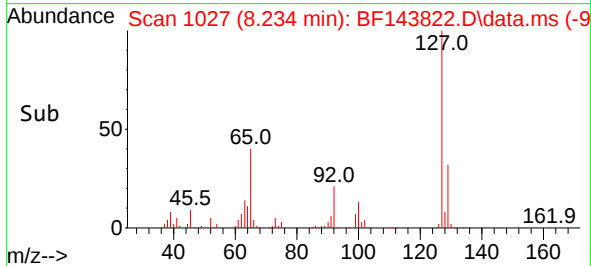


#33
4-Chloroaniline
Concen: 26.692 ng
RT: 8.234 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

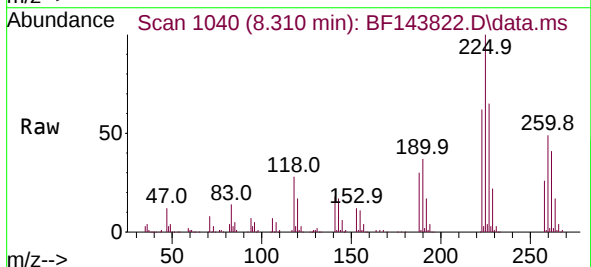
Instrument :
BNA_F
ClientSampleId :
PB169890BS



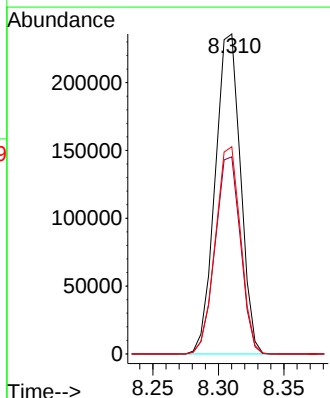
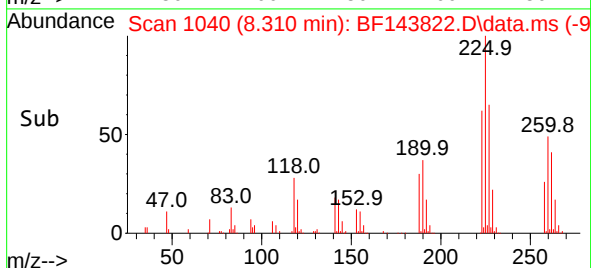
Tgt Ion:127	Resp: 291158
Ion Ratio	Lower Upper
127 100	
129 31.9	25.4 38.2
65 41.2	33.4 50.2
92 21.0	16.6 25.0

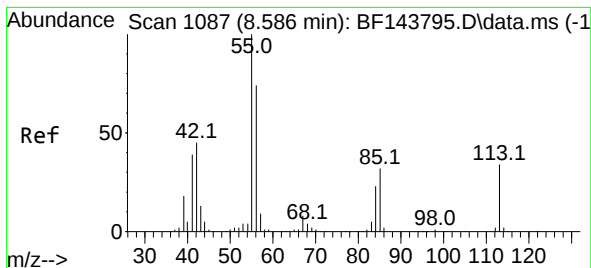


#34
Hexachlorobutadiene
Concen: 45.162 ng
RT: 8.310 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11



Tgt Ion:225	Resp: 317187		
Ion Ratio	Lower	Upper	
225 100			
223 61.6	48.6	72.8	
227 64.7	51.9	77.9	





#35

Caprolactam

Concen: 50.873 ng m

RT: 8.604 min Scan# 1087

Delta R.T. -0.006 min

Lab File: BF143822.D

Acq: 29 Sep 2025 15:11

Instrument :

BNA_F

ClientSampleId :

PB169890BS

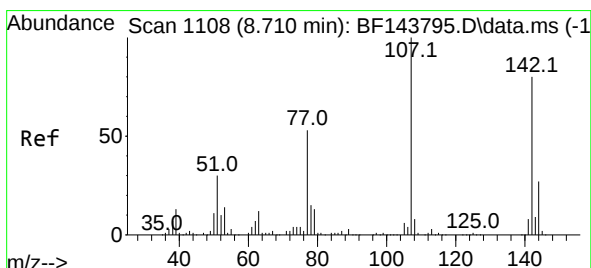
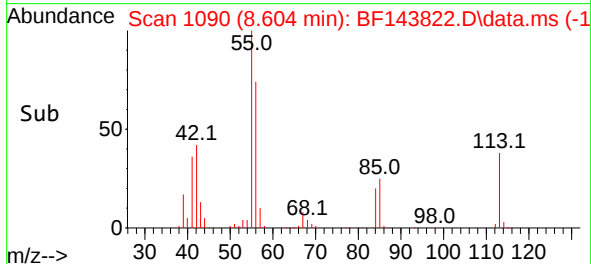
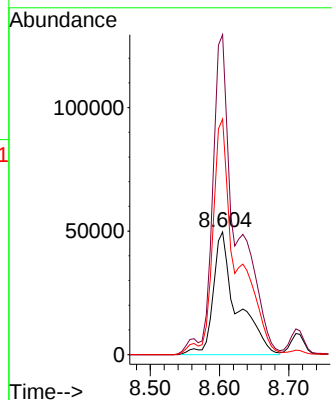
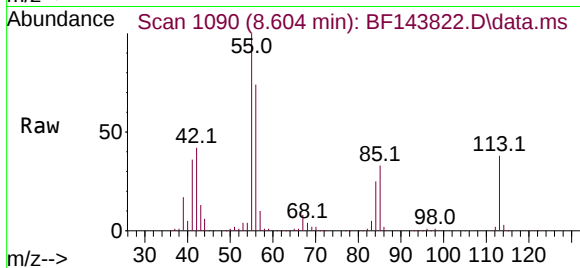
Tgt Ion:113 Resp: 118049

Ion Ratio Lower Upper

113 100

55 260.9 271.7 311.7#

56 192.1 194.5 234.5#



#36

4-Chloro-3-methylphenol

Concen: 46.675 ng

RT: 8.710 min Scan# 1108

Delta R.T. 0.000 min

Lab File: BF143822.D

Acq: 29 Sep 2025 15:11

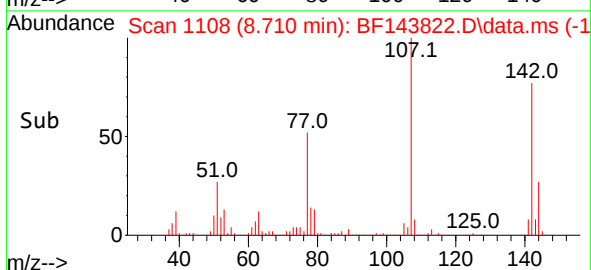
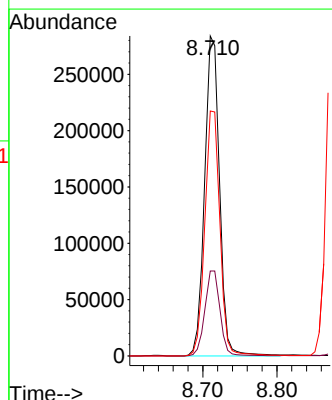
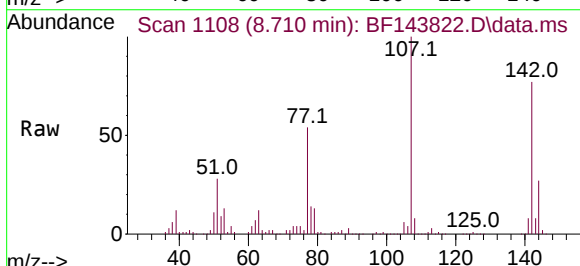
Tgt Ion:107 Resp: 397412

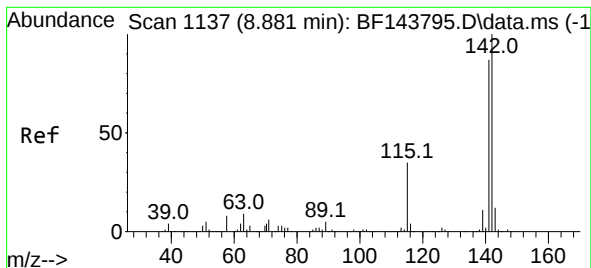
Ion Ratio Lower Upper

107 100

144 26.5 21.8 32.8

142 76.5 63.6 95.4

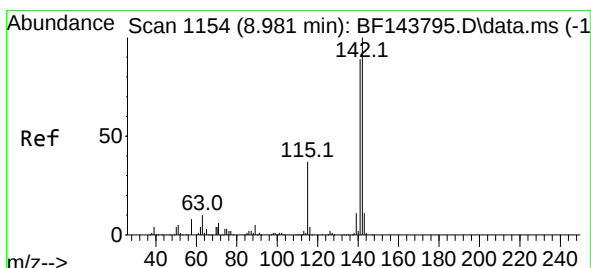
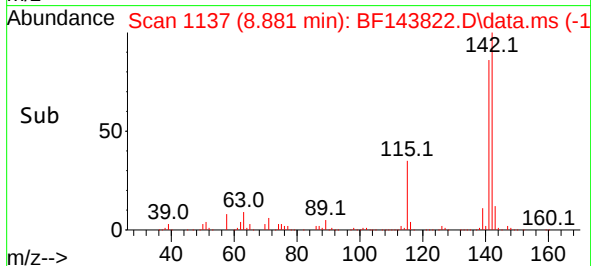
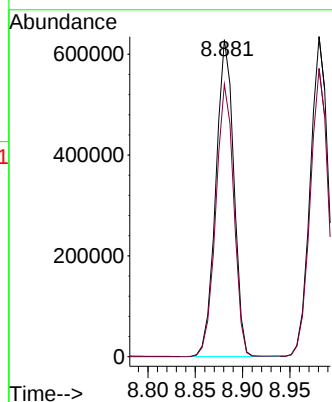
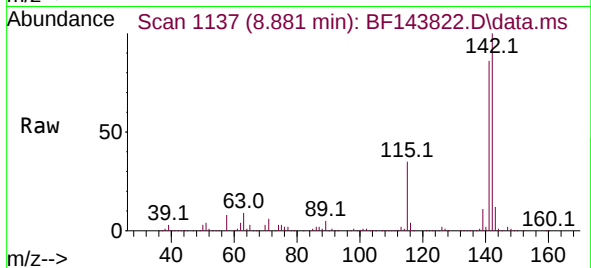




#37
2-Methylnaphthalene
Concen: 41.836 ng
RT: 8.881 min Scan# 1137
Delta R.T. 0.000 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

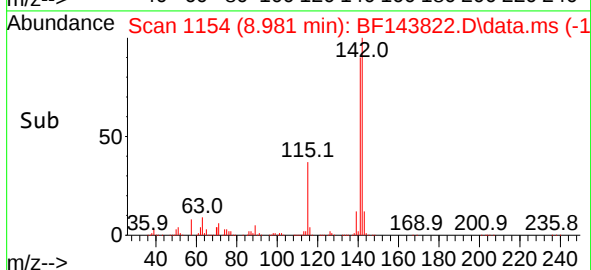
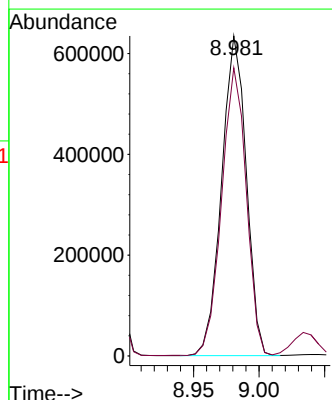
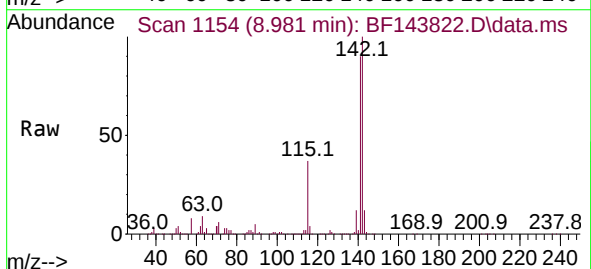
Instrument :
BNA_F
ClientSampleId :
PB169890BS

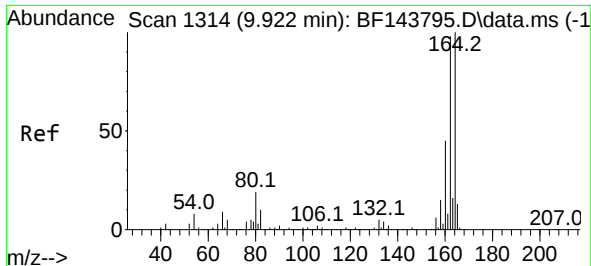
Tgt Ion:142 Resp: 828066
Ion Ratio Lower Upper
142 100
141 85.9 69.4 104.0



#38
1-Methylnaphthalene
Concen: 43.838 ng
RT: 8.981 min Scan# 1154
Delta R.T. 0.000 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

Tgt Ion:142 Resp: 830520
Ion Ratio Lower Upper
142 100
141 90.0 71.1 106.7

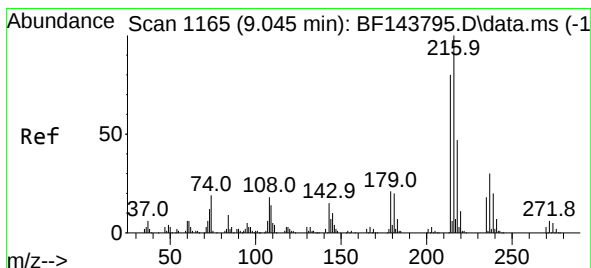
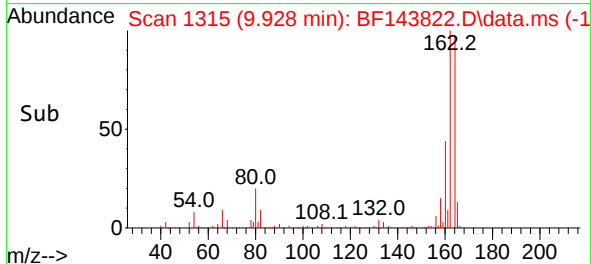
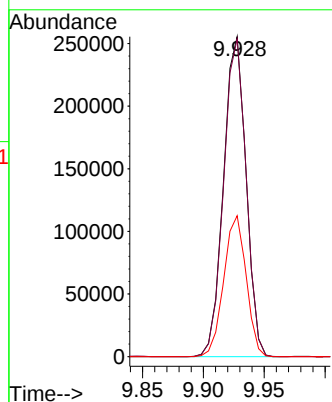
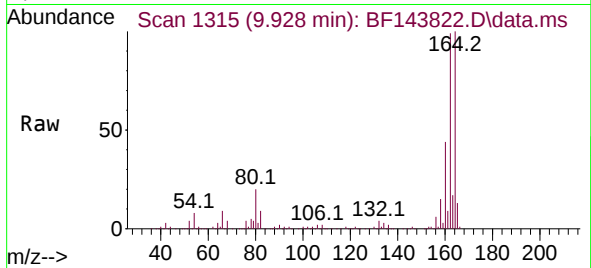




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1314
Delta R.T. -0.000 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

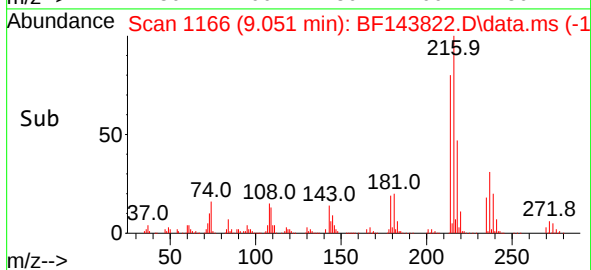
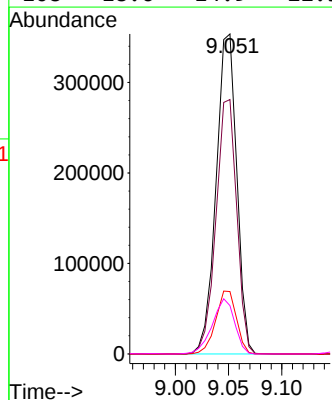
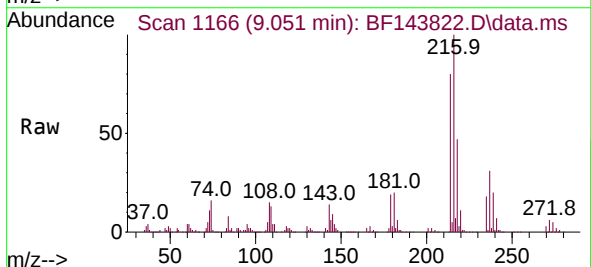
Instrument :
BNA_F
ClientSampleId :
PB169890BS

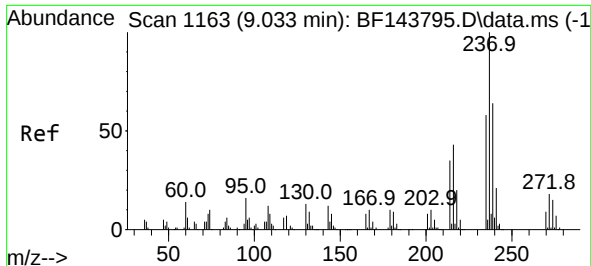
Tgt Ion:164 Resp: 329040
Ion Ratio Lower Upper
164 100
162 99.3 78.8 118.2
160 44.1 35.8 53.6



#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.139 ng
RT: 9.051 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

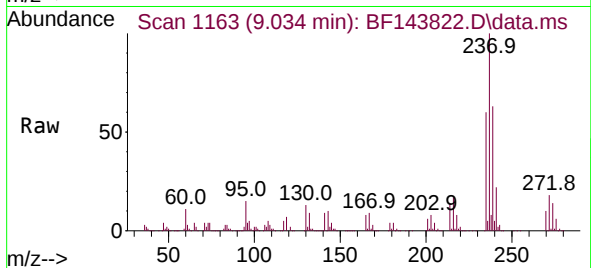
Tgt Ion:216 Resp: 478009
Ion Ratio Lower Upper
216 100
214 79.7 63.7 95.5
179 19.7 16.5 24.7
108 18.6 14.9 22.3



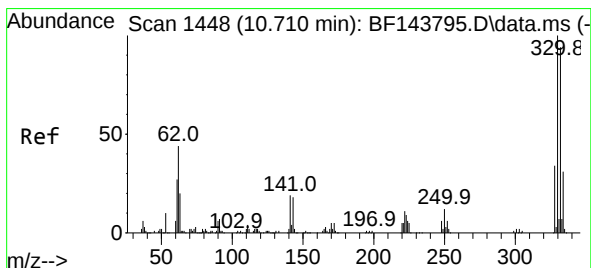
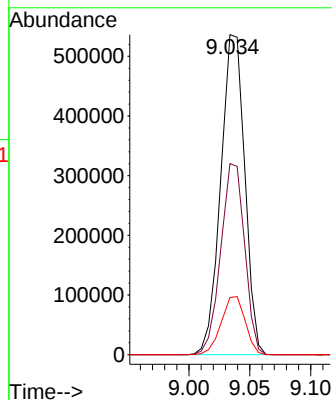
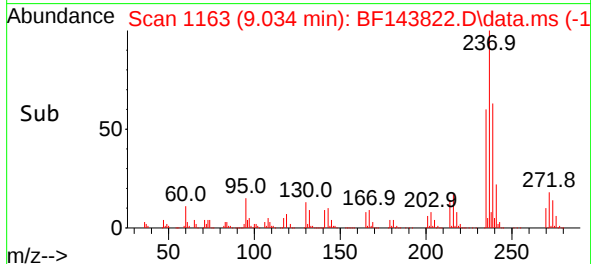


#41
Hexachlorocyclopentadiene
Concen: 116.922 ng
RT: 9.034 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

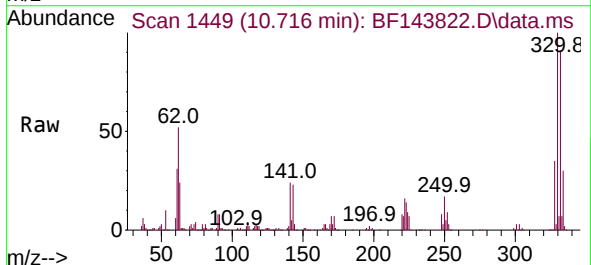
Instrument :
BNA_F
ClientSampleId :
PB169890BS



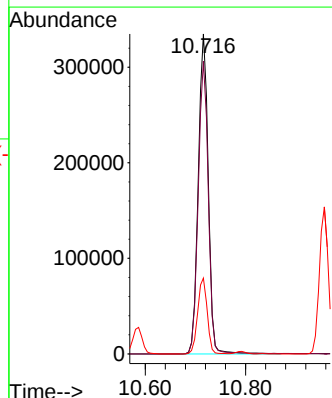
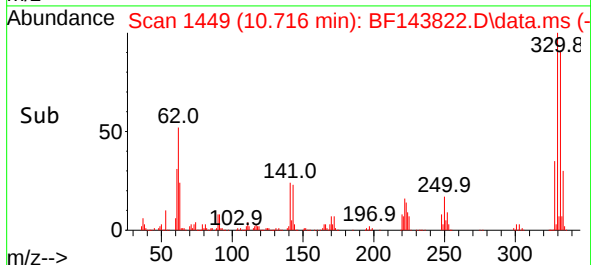
Tgt Ion:237 Resp: 735819
Ion Ratio Lower Upper
237 100
235 59.7 38.1 78.1
272 17.8 0.0 37.9

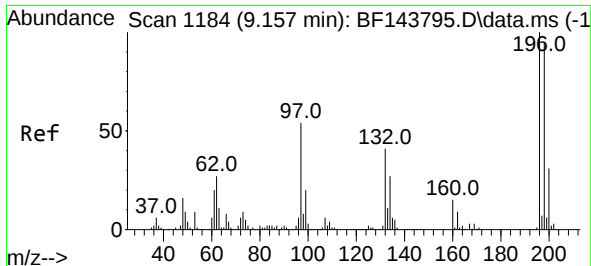


#42
2,4,6-Tribromophenol
Concen: 95.146 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11



Tgt Ion:330 Resp: 463549
Ion Ratio Lower Upper
330 100
332 92.0 74.7 112.1
141 22.5 14.3 21.5#

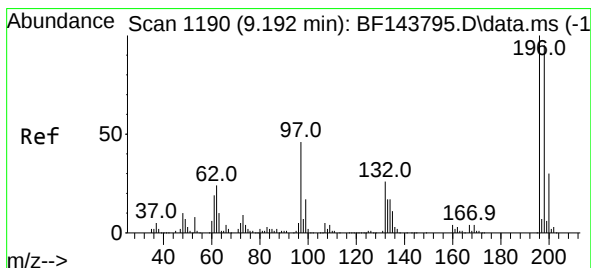
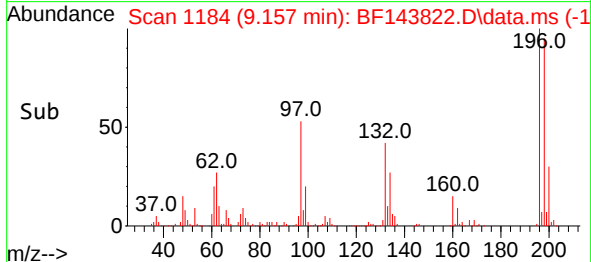
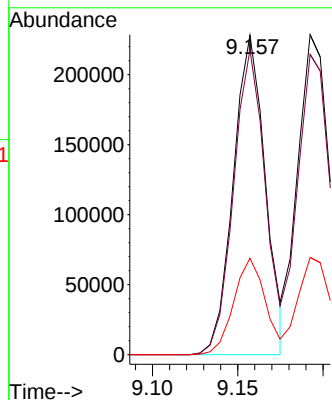
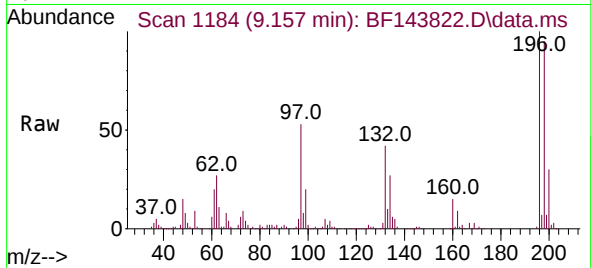




#43
2,4,6-Trichlorophenol
Concen: 47.838 ng
RT: 9.157 min Scan# 1184
Delta R.T. 0.000 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

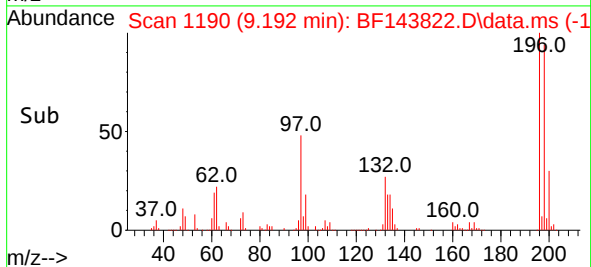
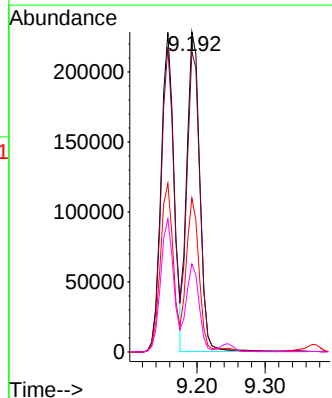
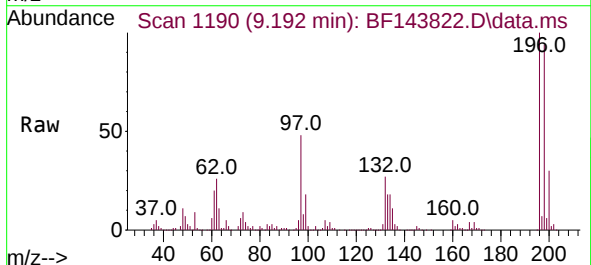
Instrument :
BNA_F
ClientSampleId :
PB169890BS

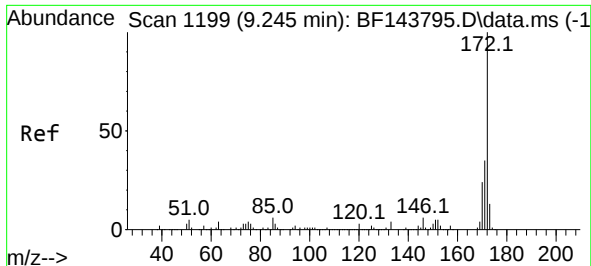
Tgt Ion:196 Resp: 297444
Ion Ratio Lower Upper
196 100
198 95.4 76.2 114.2
200 30.2 24.7 37.1



#44
2,4,5-Trichlorophenol
Concen: 46.644 ng
RT: 9.192 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

Tgt Ion:196 Resp: 303357
Ion Ratio Lower Upper
196 100
198 93.8 75.9 113.9
97 48.0 38.3 57.5
132 27.5 21.9 32.9

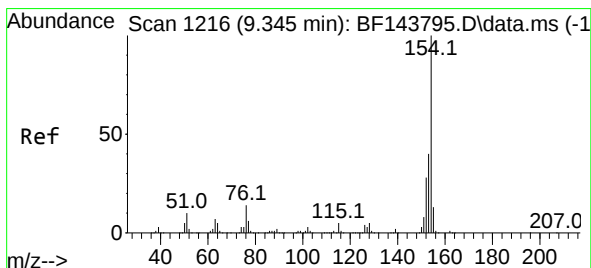
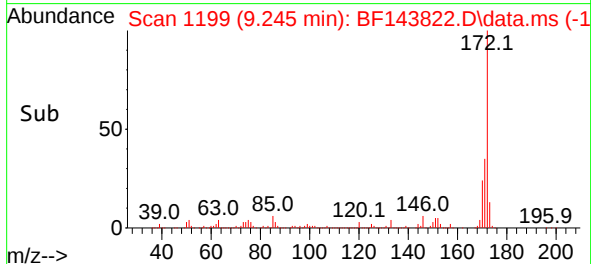
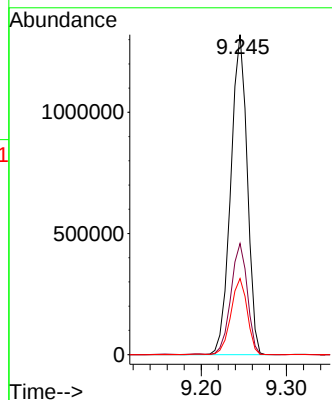
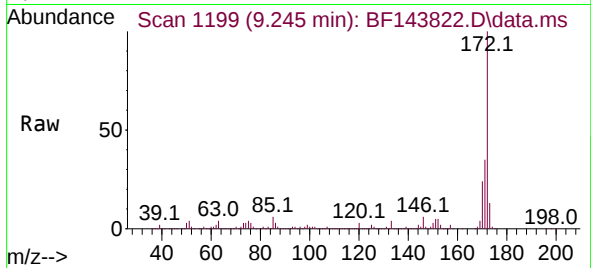




#45
2-Fluorobiphenyl
Concen: 83.993 ng
RT: 9.245 min Scan# 1199
Delta R.T. 0.000 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

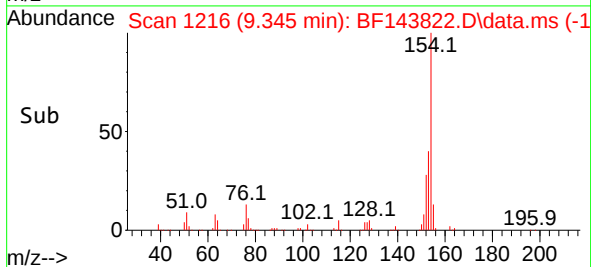
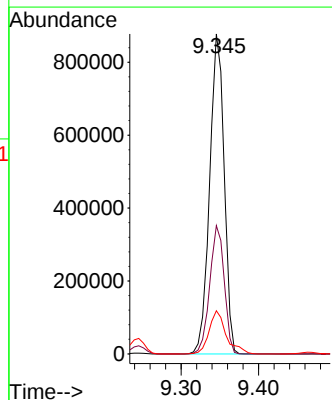
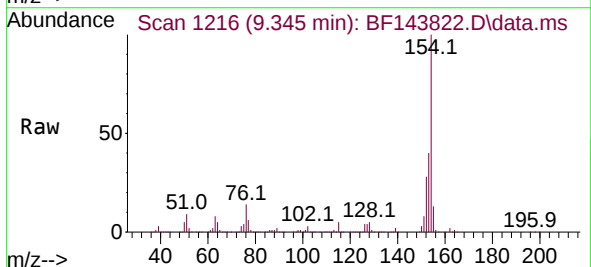
Instrument :
BNA_F
ClientSampleId :
PB169890BS

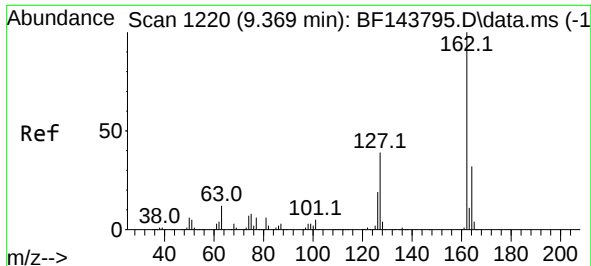
Tgt Ion:172 Resp: 1771047
Ion Ratio Lower Upper
172 100
171 34.7 27.9 41.9
170 23.8 19.1 28.7



#46
1,1'-Biphenyl
Concen: 47.923 ng
RT: 9.345 min Scan# 1216
Delta R.T. 0.000 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

Tgt Ion:154 Resp: 1141438
Ion Ratio Lower Upper
154 100
153 40.1 19.7 59.7
76 13.5 0.0 33.8





#47

2-Chloronaphthalene

Concen: 44.018 ng

RT: 9.369 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143822.D

Acq: 29 Sep 2025 15:11

Instrument :

BNA_F

ClientSampleId :

PB169890BS

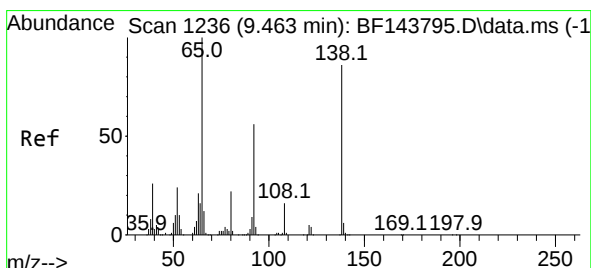
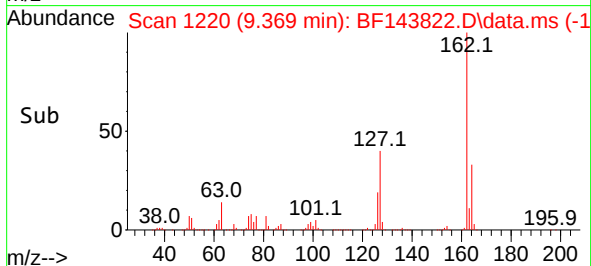
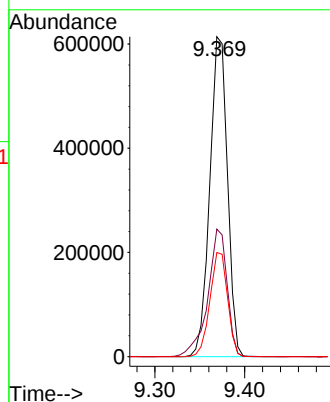
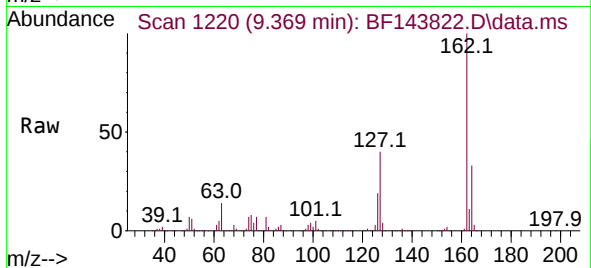
Tgt Ion:162 Resp: 843943

Ion Ratio Lower Upper

162 100

127 39.8 31.5 47.3

164 32.5 25.9 38.9



#48

2-Nitroaniline

Concen: 48.177 ng

RT: 9.463 min Scan# 1236

Delta R.T. 0.000 min

Lab File: BF143822.D

Acq: 29 Sep 2025 15:11

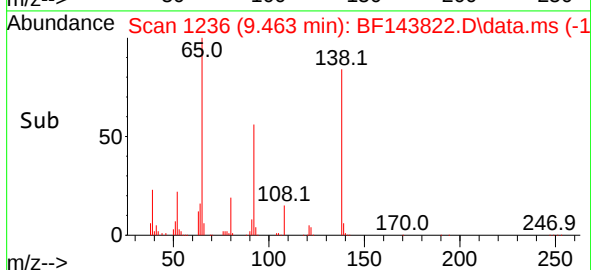
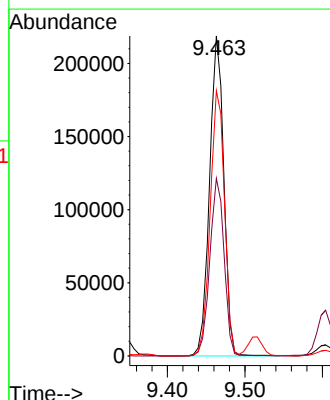
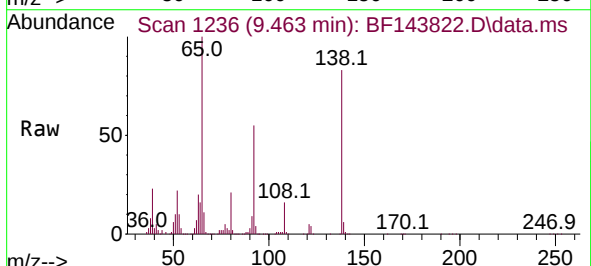
Tgt Ion: 65 Resp: 279167

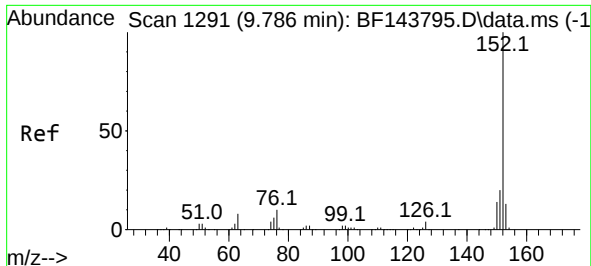
Ion Ratio Lower Upper

65 100

92 55.5 44.9 67.3

138 82.9 69.0 103.4





#49

Acenaphthylene

Concen: 50.311 ng

RT: 9.787 min Scan# 1291

Delta R.T. 0.000 min

Lab File: BF143822.D

Acq: 29 Sep 2025 15:11

Instrument :

BNA_F

ClientSampleId :

PB169890BS

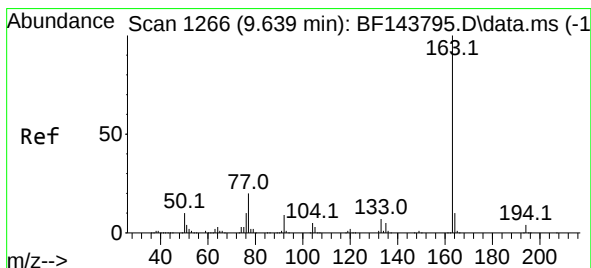
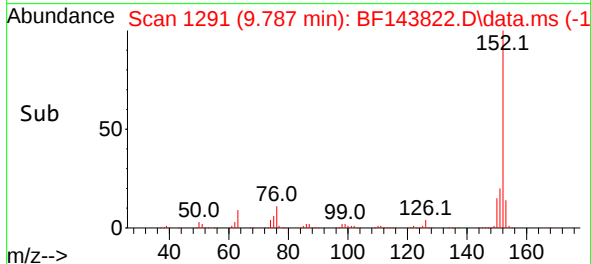
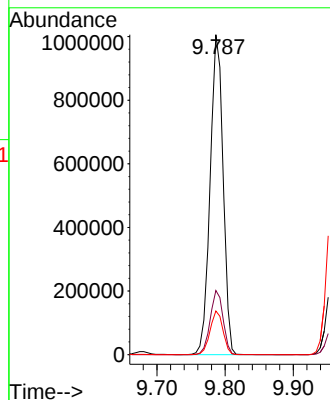
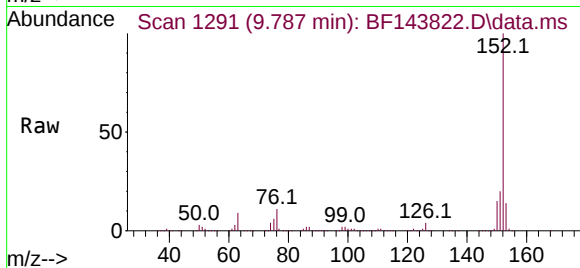
Tgt Ion:152 Resp: 1327888

Ion Ratio Lower Upper

152 100

151 20.0 15.7 23.5

153 13.6 10.6 15.8



#50

Dimethylphthalate

Concen: 46.291 ng

RT: 9.645 min Scan# 1267

Delta R.T. 0.006 min

Lab File: BF143822.D

Acq: 29 Sep 2025 15:11

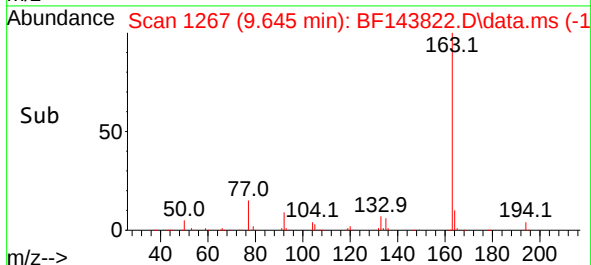
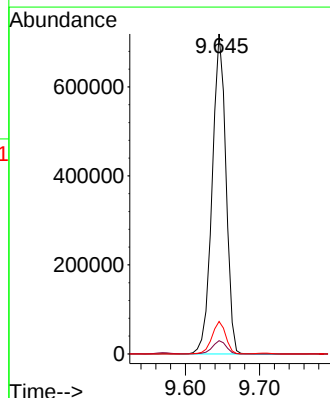
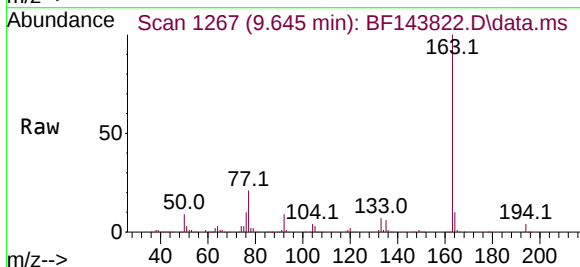
Tgt Ion:163 Resp: 928375

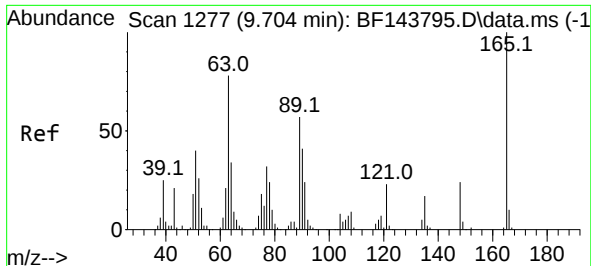
Ion Ratio Lower Upper

163 100

194 4.1 3.0 4.6

164 10.1 8.2 12.2

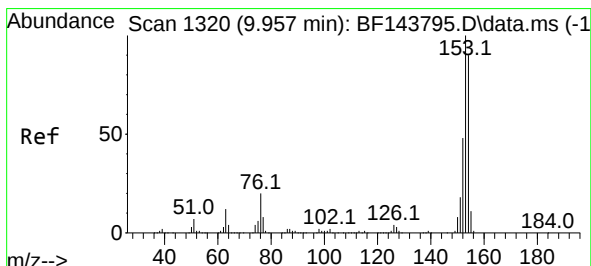
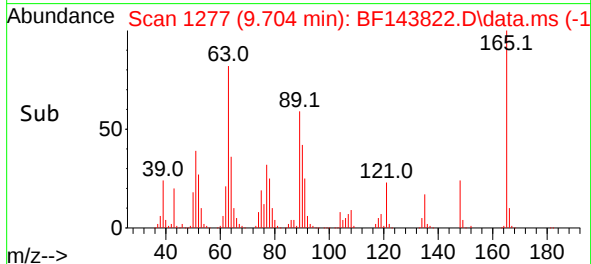
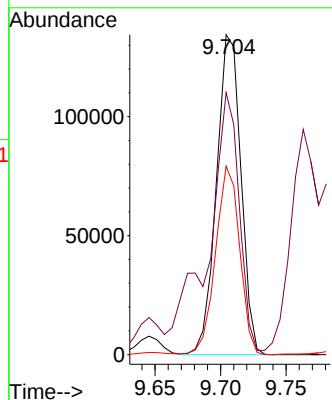
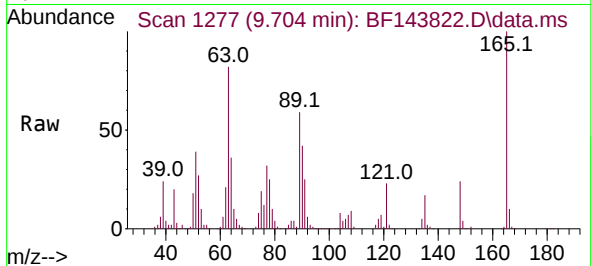




#51
2,6-Dinitrotoluene
Concen: 53.108 ng
RT: 9.704 min Scan# 1277
Delta R.T. 0.000 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

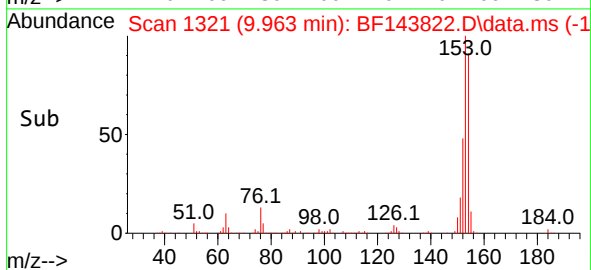
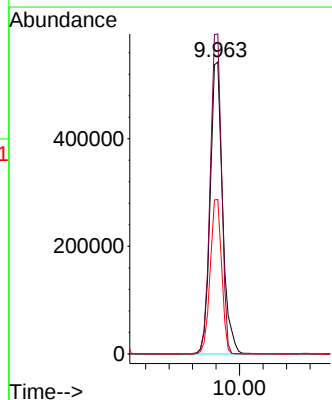
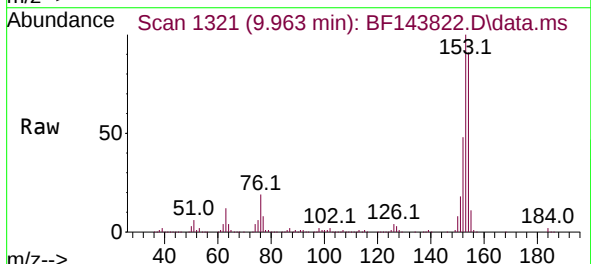
Instrument :
BNA_F
ClientSampleId :
PB169890BS

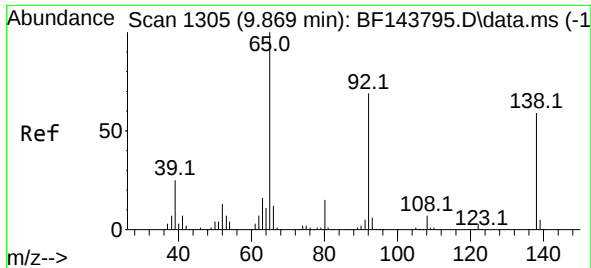
Tgt Ion:165 Resp: 174992
Ion Ratio Lower Upper
165 100
63 81.9 62.6 94.0
89 58.9 45.2 67.8



#52
Acenaphthene
Concen: 45.786 ng
RT: 9.963 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

Tgt Ion:154 Resp: 795259
Ion Ratio Lower Upper
154 100
153 109.6 88.7 133.1
152 52.9 42.7 64.1

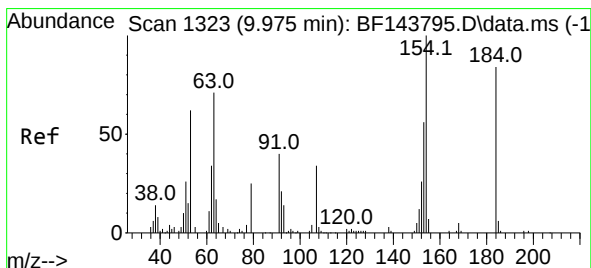
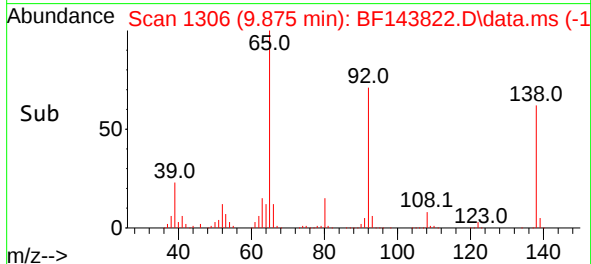
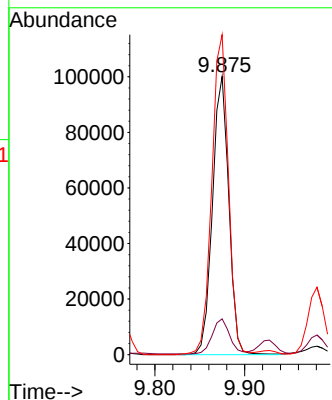
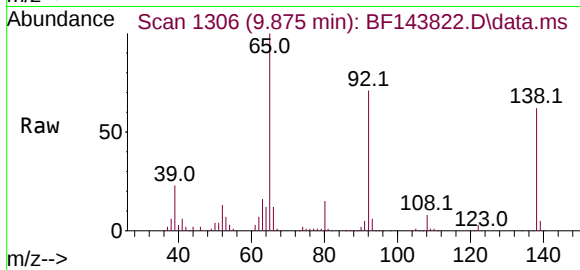




#53
3-Nitroaniline
Concen: 31.851 ng
RT: 9.875 min Scan# 1305
Delta R.T. 0.000 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

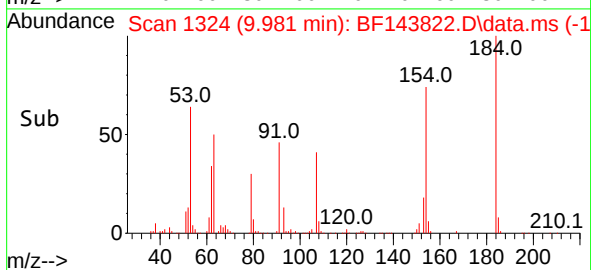
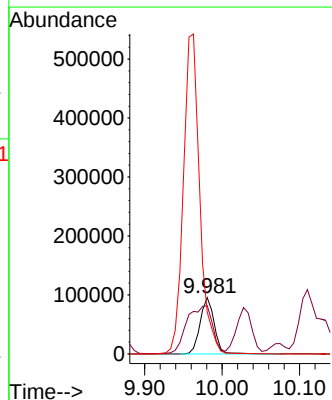
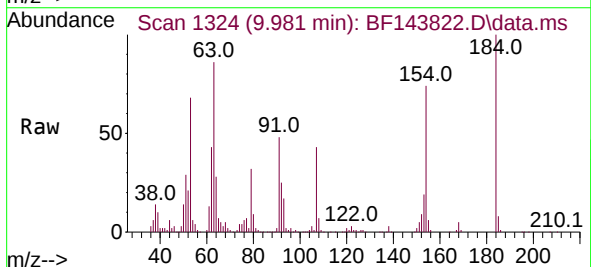
Instrument :
BNA_F
ClientSampleId :
PB169890BS

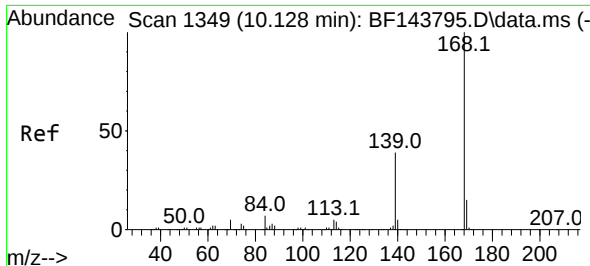
Tgt Ion:138 Resp: 127213
Ion Ratio Lower Upper
138 100
108 12.9 9.9 14.9
92 115.0 93.5 140.3



#54
2,4-Dinitrophenol
Concen: 83.021 ng
RT: 9.981 min Scan# 1324
Delta R.T. 0.006 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

Tgt Ion:184 Resp: 120192
Ion Ratio Lower Upper
184 100
63 85.9 84.6 127.0
154 74.3 199.3 298.9#

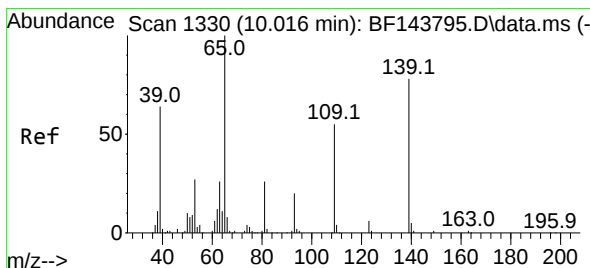
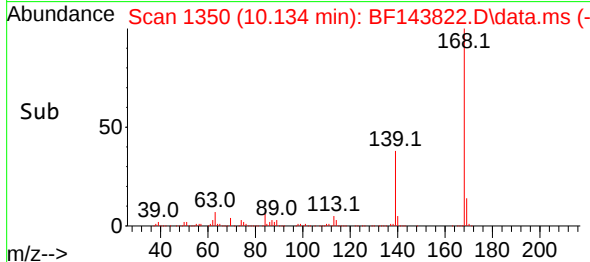
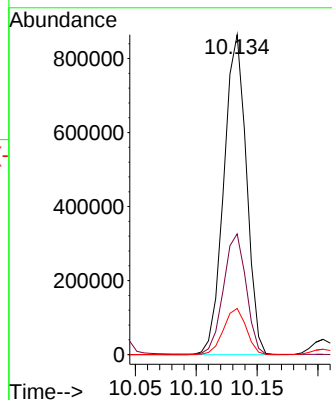
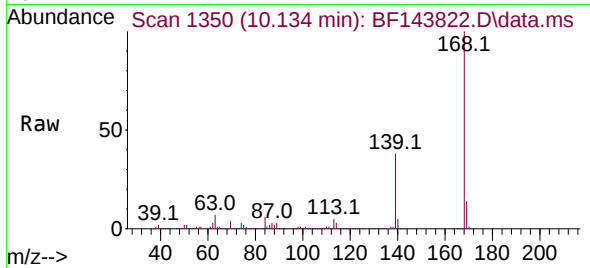




#55
Dibenzofuran
Concen: 45.298 ng
RT: 10.134 min Scan# 1349
Delta R.T. 0.000 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

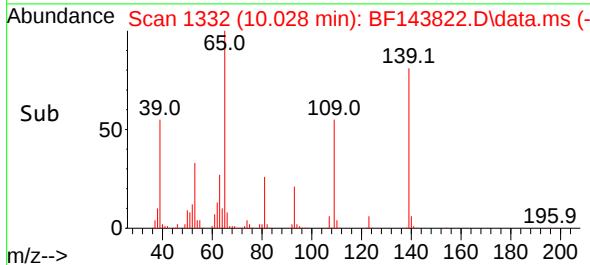
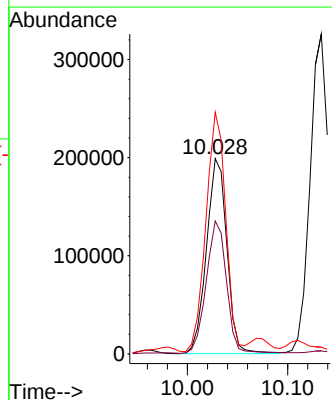
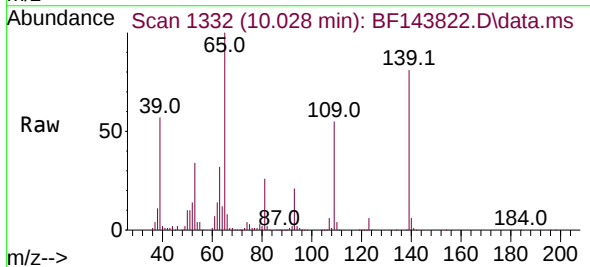
Instrument :
BNA_F
ClientSampleId :
PB169890BS

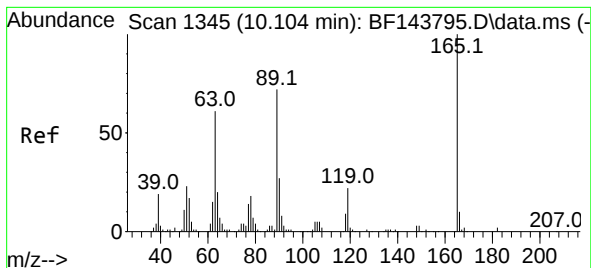
Tgt Ion:168 Resp: 1112566
Ion Ratio Lower Upper
168 100
139 37.7 31.0 46.6
169 14.4 11.9 17.9



#56
4-Nitrophenol
Concen: 87.443 ng
RT: 10.028 min Scan# 1332
Delta R.T. 0.006 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

Tgt Ion:139 Resp: 281436
Ion Ratio Lower Upper
139 100
109 68.0 50.2 90.2
65 123.8 109.2 149.2

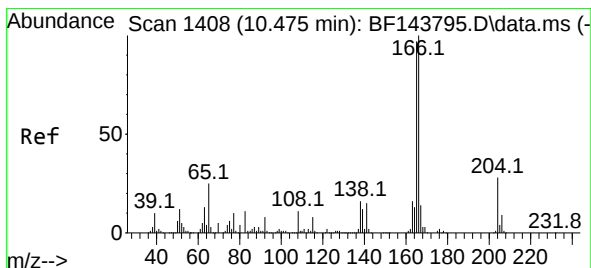
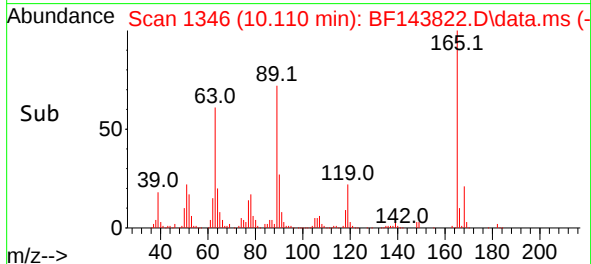
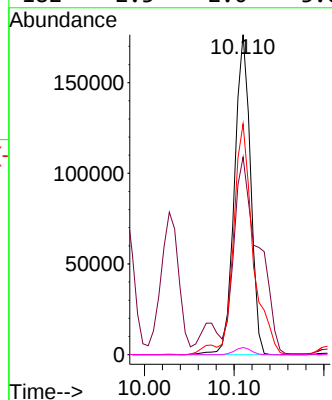
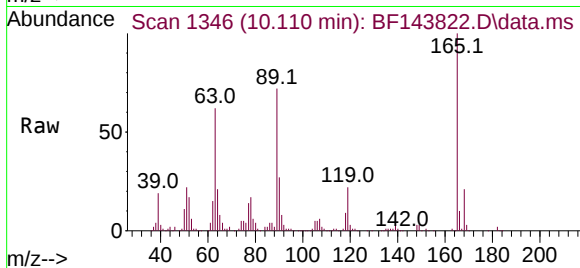




#57
2,4-Dinitrotoluene
Concen: 45.266 ng
RT: 10.110 min Scan# 1346
Delta R.T. 0.000 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

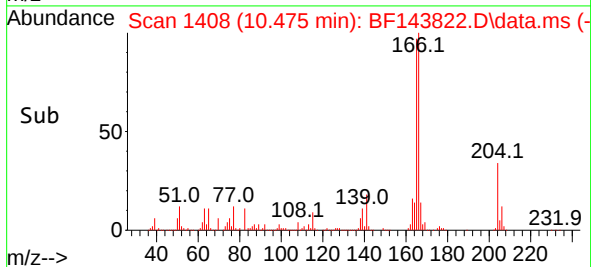
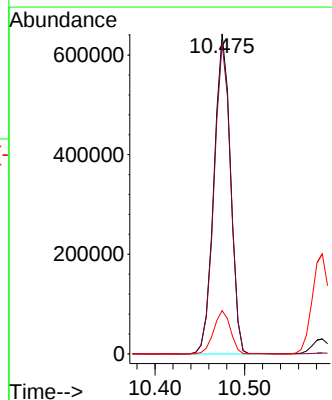
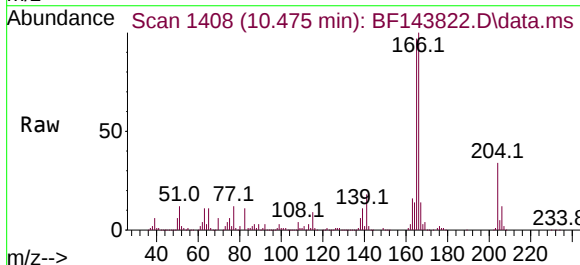
Instrument :
BNA_F
ClientSampleId :
PB169890BS

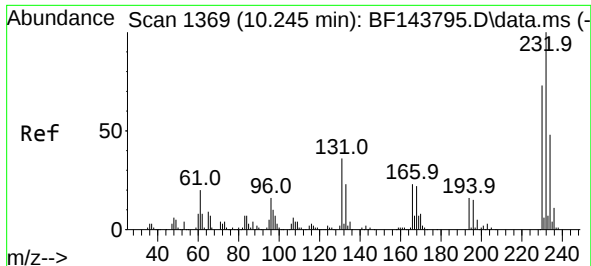
Tgt Ion:165 Resp: 220523
Ion Ratio Lower Upper
165 100
63 61.7 48.9 73.3
89 72.1 57.5 86.3
182 2.3 2.0 3.0



#58
Fluorene
Concen: 45.057 ng
RT: 10.475 min Scan# 1408
Delta R.T. 0.000 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

Tgt Ion:166 Resp: 822711
Ion Ratio Lower Upper
166 100
165 97.1 78.0 117.0
167 13.5 10.9 16.3

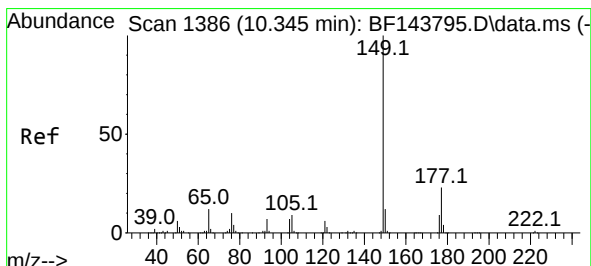
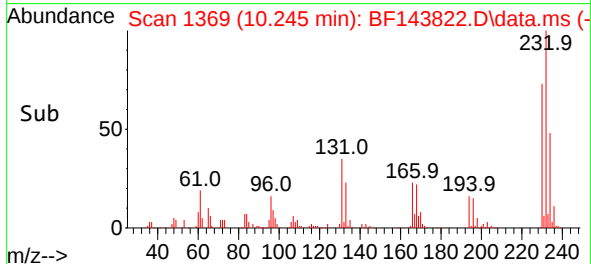
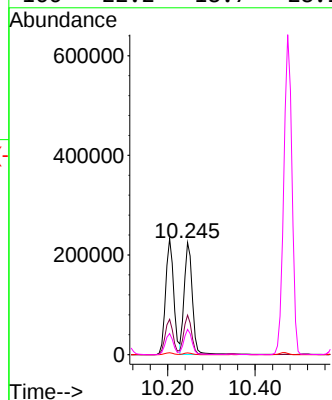
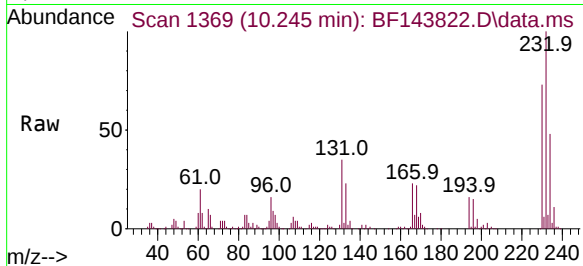




#59
2,3,4,6-Tetrachlorophenol
Concen: 52.346 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

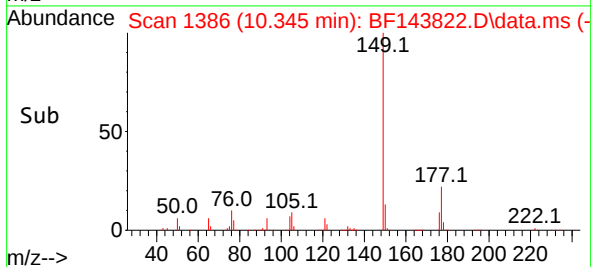
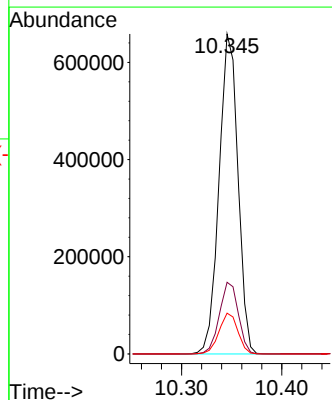
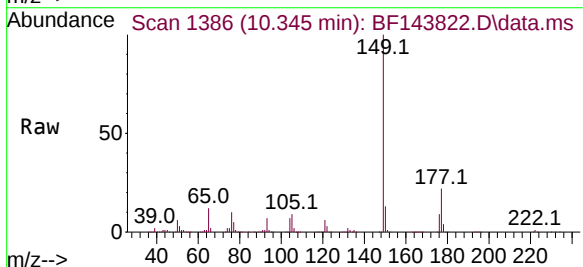
Instrument :
BNA_F
ClientSampleId :
PB169890BS

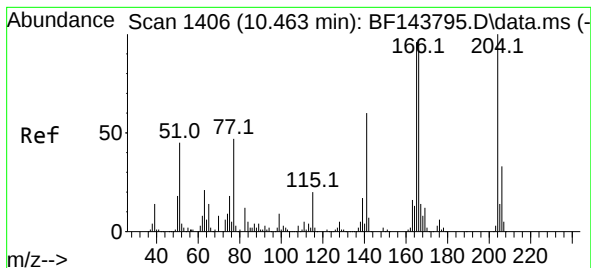
Tgt Ion:232 Resp: 291646
Ion Ratio Lower Upper
232 100
131 35.0 29.4 44.2
130 1.5 1.3 1.9
166 22.2 18.7 28.1



#60
Diethylphthalate
Concen: 45.995 ng
RT: 10.345 min Scan# 1386
Delta R.T. 0.000 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

Tgt Ion:149 Resp: 863485
Ion Ratio Lower Upper
149 100
177 22.4 18.1 27.1
150 12.7 9.7 14.5

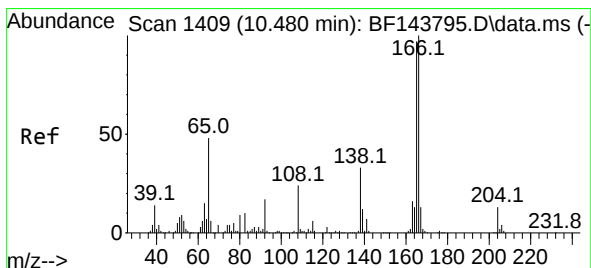
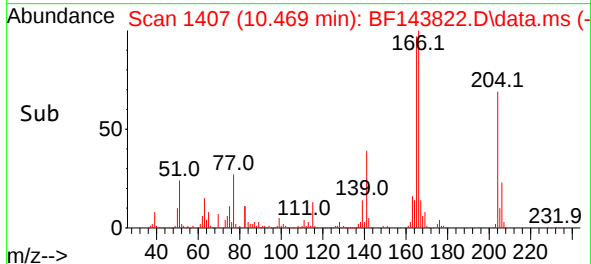
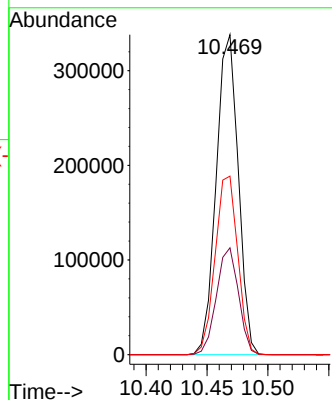
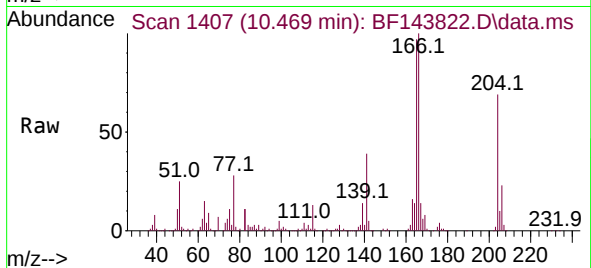




#61
4-Chlorophenyl-phenylether
Concen: 45.666 ng
RT: 10.469 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

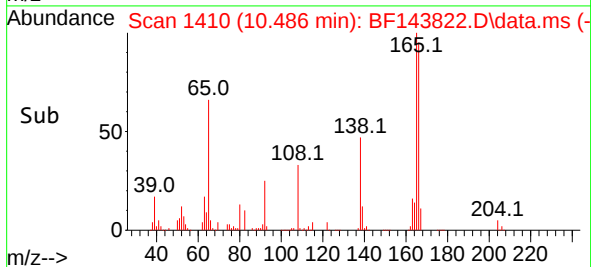
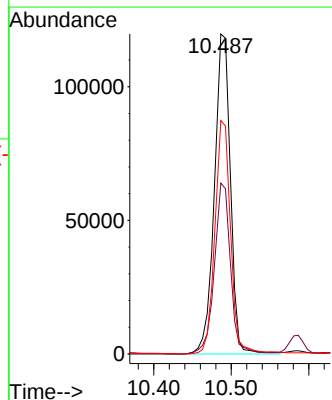
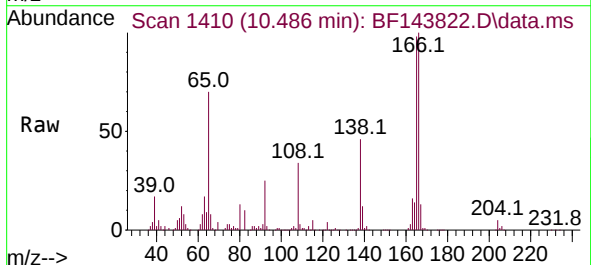
Instrument :
BNA_F
ClientSampleId :
PB169890BS

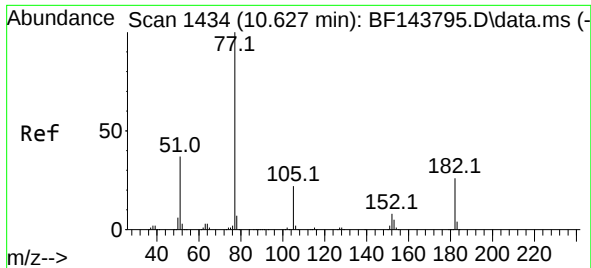
Tgt Ion:204 Resp: 424859
Ion Ratio Lower Upper
204 100
206 33.4 26.7 40.1
141 55.8 48.2 72.2



#62
4-Nitroaniline
Concen: 45.819 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

Tgt Ion:138 Resp: 172068
Ion Ratio Lower Upper
138 100
92 53.4 31.5 71.5
108 72.9 51.9 91.9

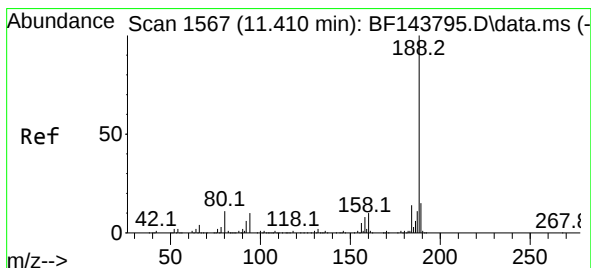
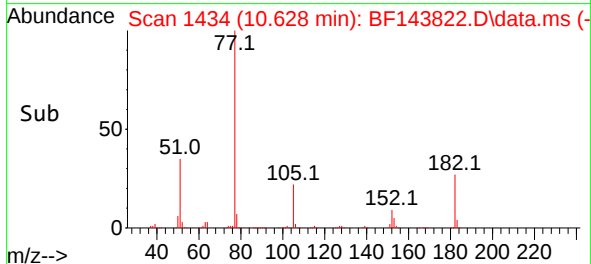
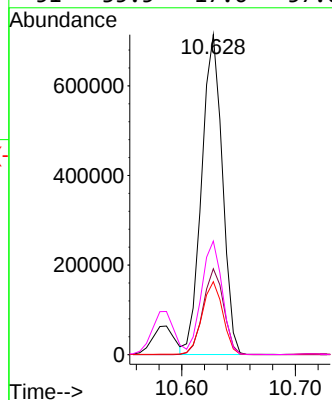
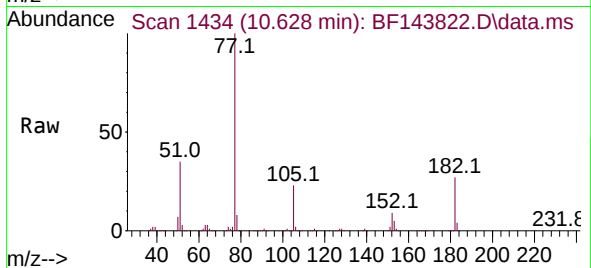




#63
Azobenzene
Concen: 45.742 ng
RT: 10.628 min Scan# 1434
Delta R.T. 0.000 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

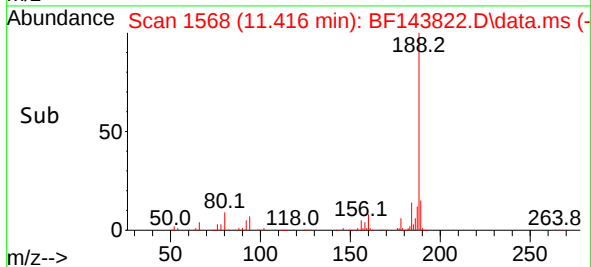
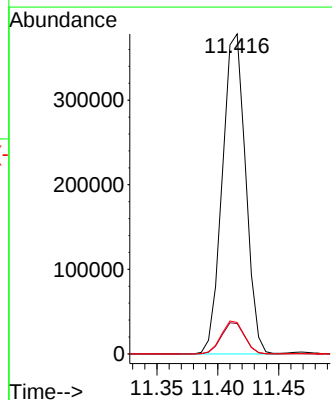
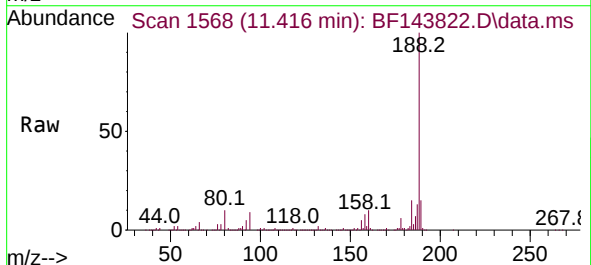
Instrument :
BNA_F
ClientSampleId :
PB169890BS

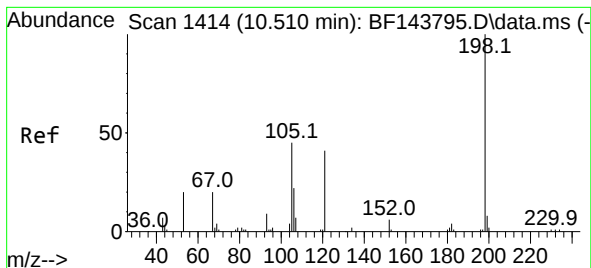
Tgt Ion: 77	Resp: 905012
Ion Ratio	Lower Upper
77 100	
182 26.9	5.9 45.9
105 22.8	2.3 42.3
51 35.5	17.6 57.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.000 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

Tgt Ion:188	Resp: 502052
Ion Ratio	Lower Upper
188 100	
94 9.5	8.2 12.2
80 9.8	8.6 12.8

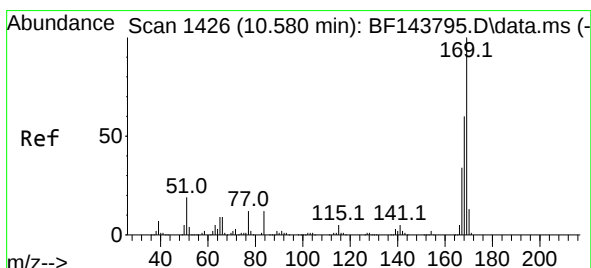
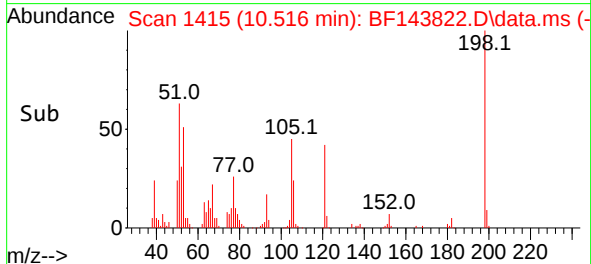
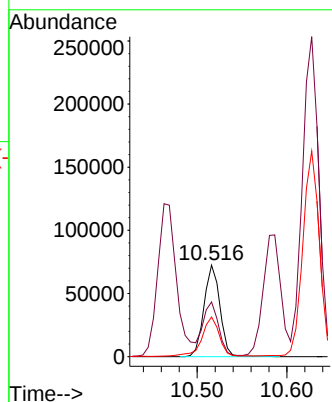
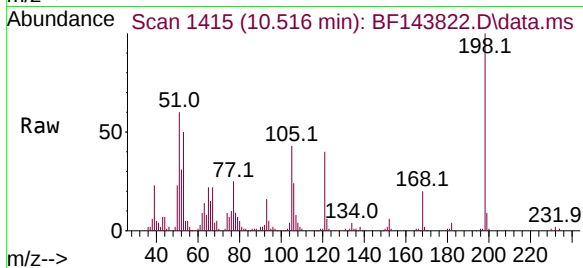




#65
4,6-Dinitro-2-methylphenol
Concen: 48.298 ng
RT: 10.516 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

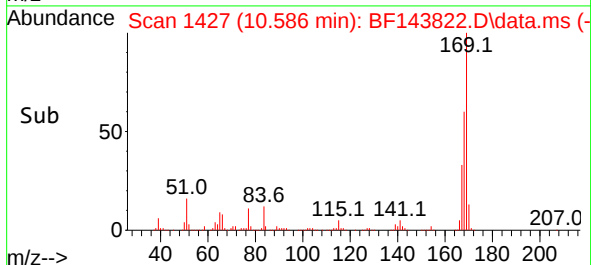
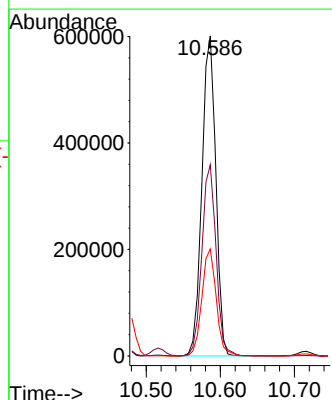
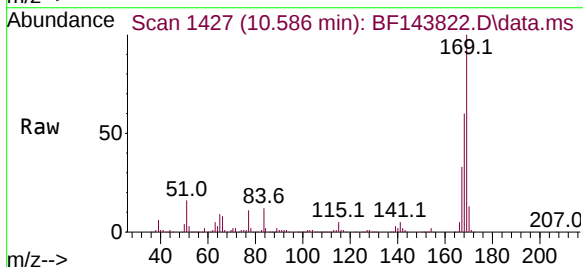
Instrument :
BNA_F
ClientSampleId :
PB169890BS

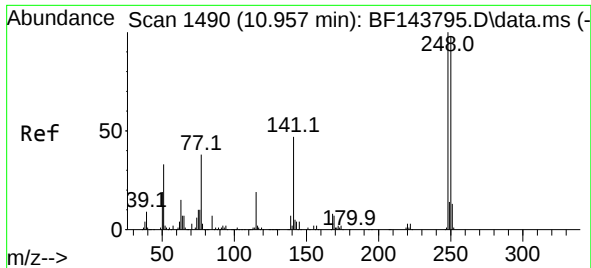
Tgt Ion:198 Resp: 88875
Ion Ratio Lower Upper
198 100
51 59.8 52.0 92.0
105 43.3 27.5 67.5



#66
n-Nitrosodiphenylamine
Concen: 47.356 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

Tgt Ion:169 Resp: 781890
Ion Ratio Lower Upper
169 100
168 59.7 47.9 71.9
167 33.4 27.0 40.6

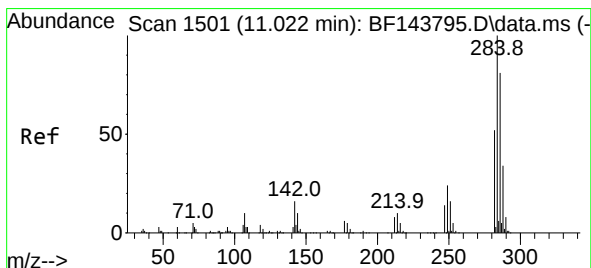
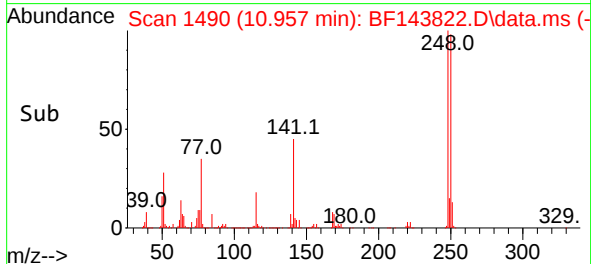
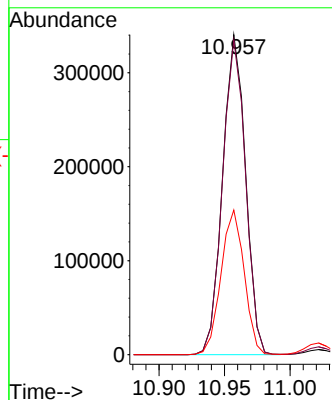
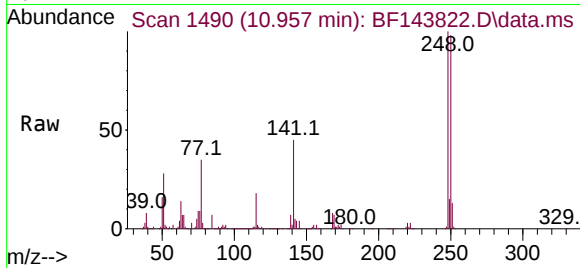




#67
4-Bromophenyl-phenylether
Concen: 48.606 ng
RT: 10.957 min Scan# 1490
Delta R.T. 0.000 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

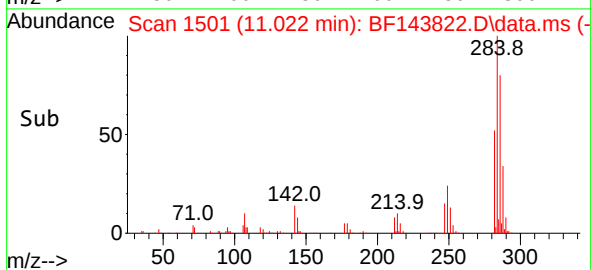
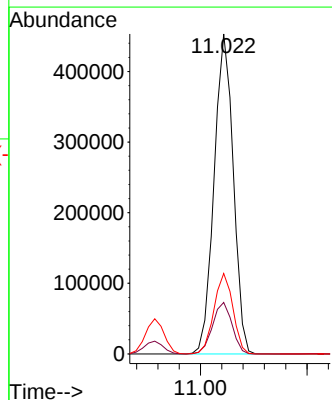
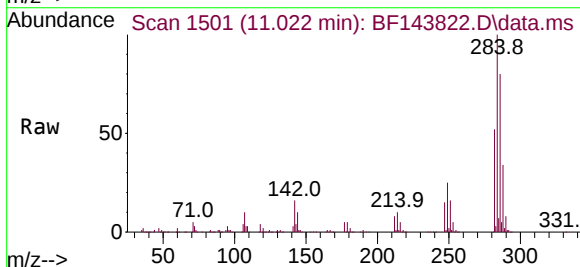
Instrument :
BNA_F
ClientSampleId :
PB169890BS

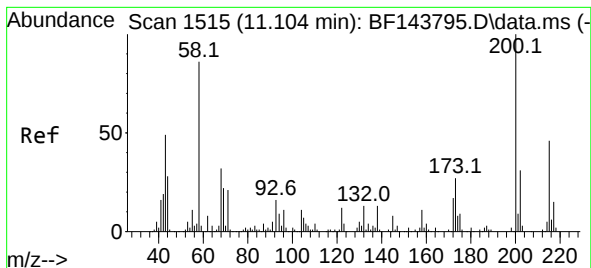
Tgt Ion:248 Resp: 415860
Ion Ratio Lower Upper
248 100
250 98.3 78.7 118.1
141 45.2 37.9 56.9



#68
Hexachlorobenzene
Concen: 48.172 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

Tgt Ion:284 Resp: 567989
Ion Ratio Lower Upper
284 100
142 16.1 13.1 19.7
249 25.1 19.5 29.3





#69

Atrazine

Concen: 49.657 ng

RT: 11.110 min Scan# 1516

Delta R.T. 0.000 min

Lab File: BF143822.D

Acq: 29 Sep 2025 15:11

Instrument :

BNA_F

ClientSampleId :

PB169890BS

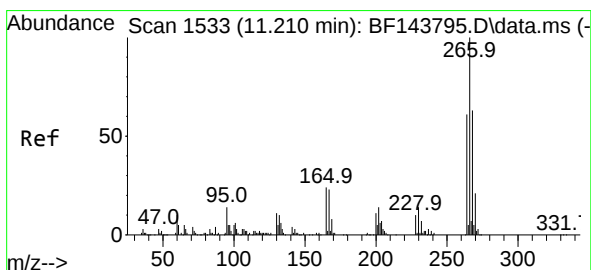
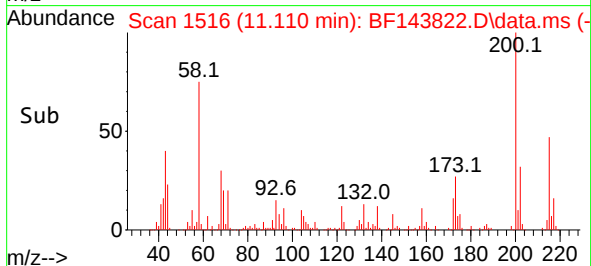
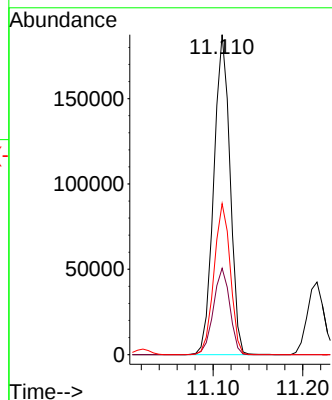
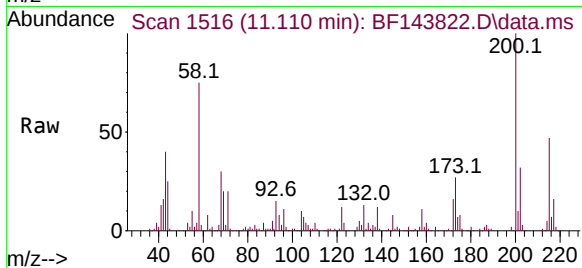
Tgt Ion:200 Resp: 237424

Ion Ratio Lower Upper

200 100

173 27.0 7.2 47.2

215 47.2 26.0 66.0



#70

Pentachlorophenol

Concen: 95.776 ng

RT: 11.216 min Scan# 1534

Delta R.T. 0.000 min

Lab File: BF143822.D

Acq: 29 Sep 2025 15:11

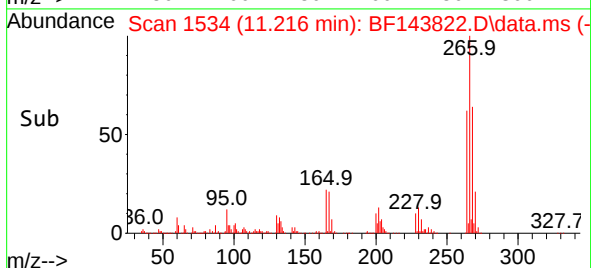
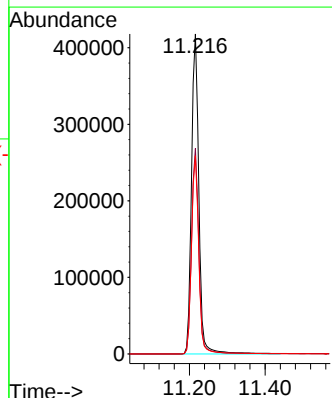
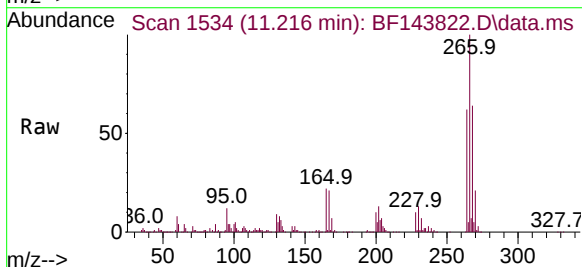
Tgt Ion:266 Resp: 562126

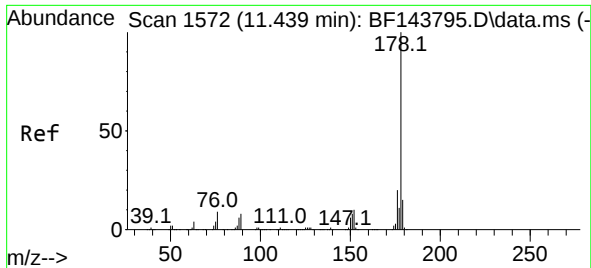
Ion Ratio Lower Upper

266 100

268 64.2 50.5 75.7

264 61.9 48.8 73.2

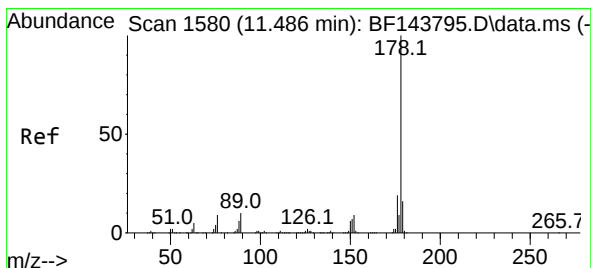
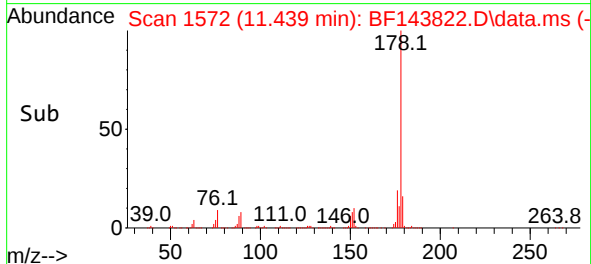
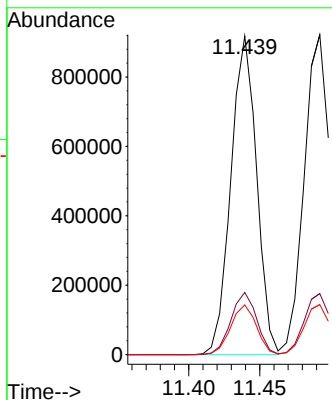
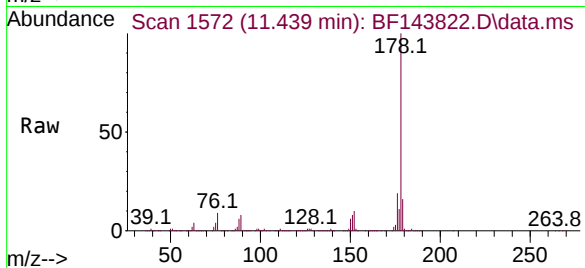




#71
Phenanthrene
Concen: 44.899 ng
RT: 11.439 min Scan# 1157271
Delta R.T. 0.000 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

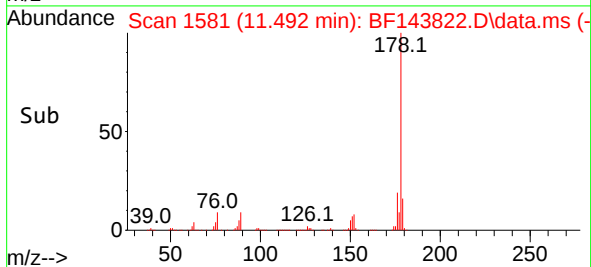
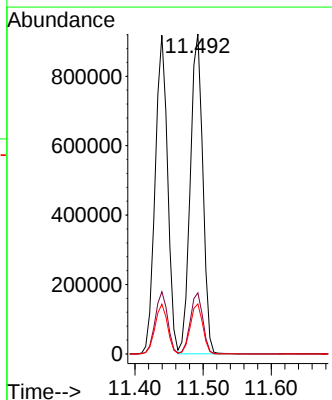
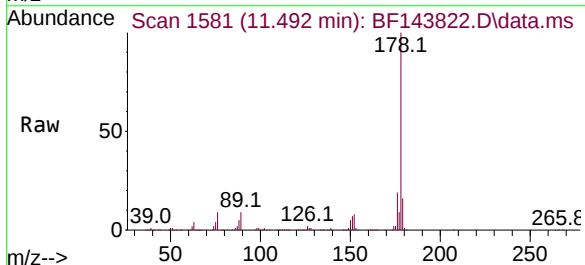
Instrument :
BNA_F
ClientSampleId :
PB169890BS

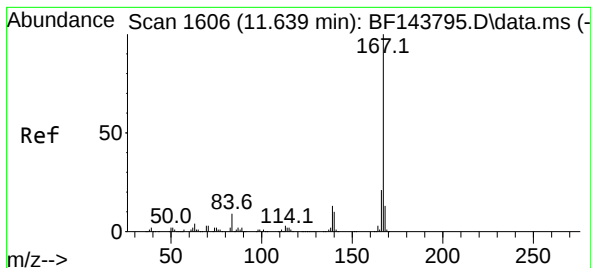
Tgt Ion:178 Resp: 1157271
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 15.6 12.2 18.4



#72
Anthracene
Concen: 45.575 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

Tgt Ion:178 Resp: 1178324
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.6 12.8 19.2





#73

Carbazole

Concen: 44.466 ng

RT: 11.645 min Scan# 1606

Delta R.T. 0.000 min

Lab File: BF143822.D

Acq: 29 Sep 2025 15:11

Instrument :

BNA_F

ClientSampleId :

PB169890BS

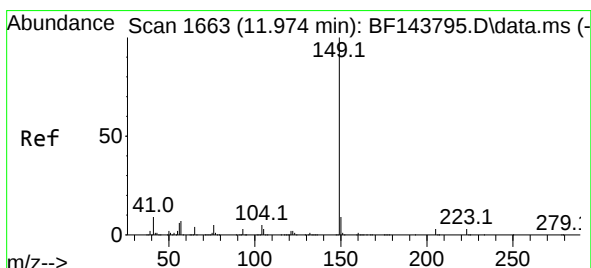
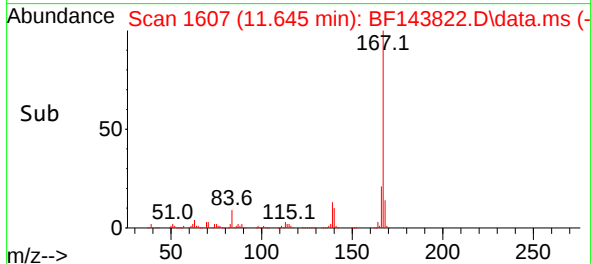
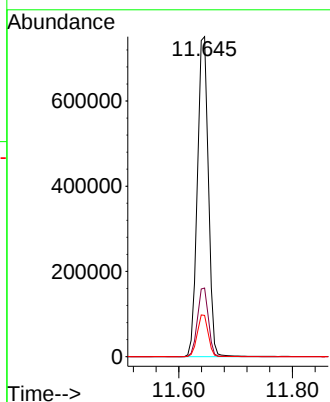
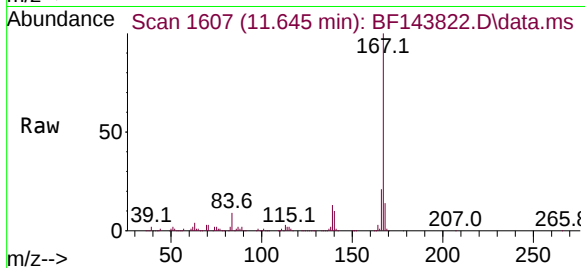
Tgt Ion:167 Resp: 1005163

Ion Ratio Lower Upper

167 100

166 21.4 17.0 25.4

139 12.9 10.6 15.8



#74

Di-n-butylphthalate

Concen: 45.693 ng

RT: 11.975 min Scan# 1663

Delta R.T. 0.000 min

Lab File: BF143822.D

Acq: 29 Sep 2025 15:11

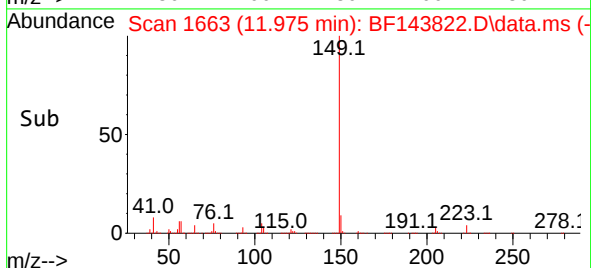
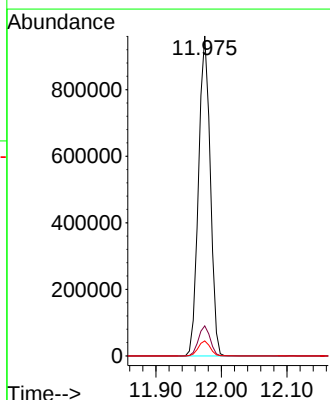
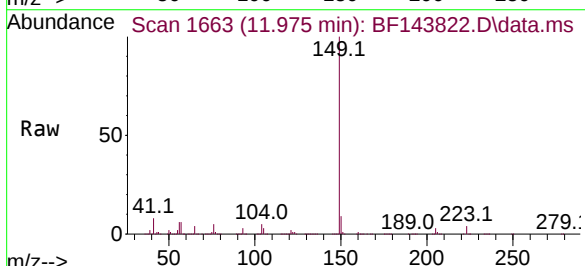
Tgt Ion:149 Resp: 1187924

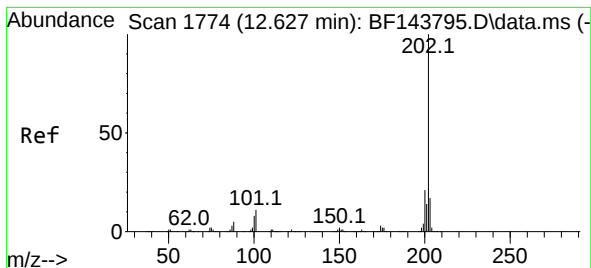
Ion Ratio Lower Upper

149 100

150 9.4 7.3 10.9

104 4.7 3.6 5.4





#75

Fluoranthene

Concen: 43.385 ng

RT: 12.628 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143822.D

Acq: 29 Sep 2025 15:11

Instrument :

BNA_F

ClientSampleId :

PB169890BS

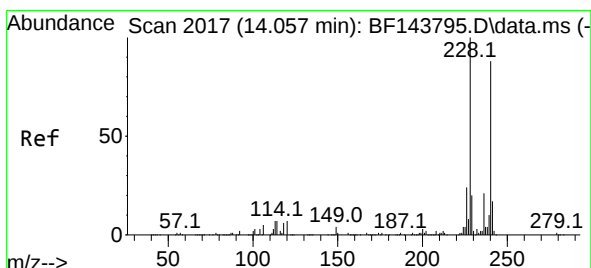
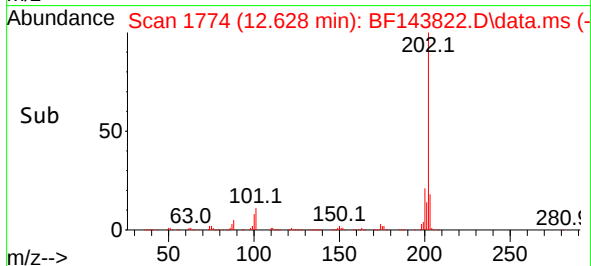
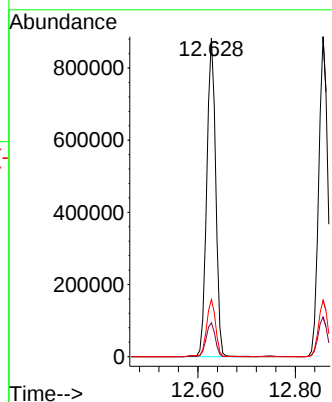
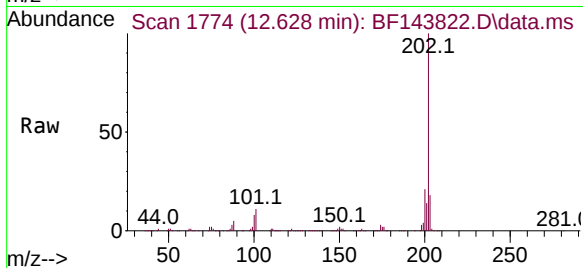
Tgt Ion:202 Resp: 1124711

Ion Ratio Lower Upper

202 100

101 10.6 0.0 31.1

203 17.9 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2017

Delta R.T. -0.006 min

Lab File: BF143822.D

Acq: 29 Sep 2025 15:11

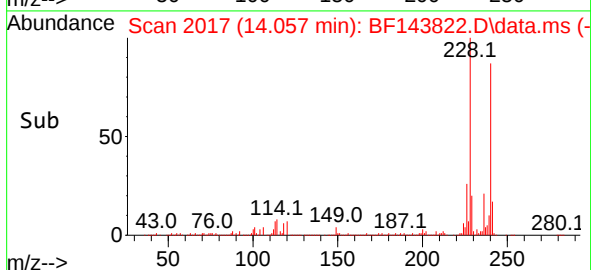
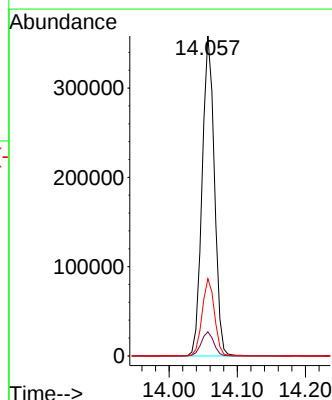
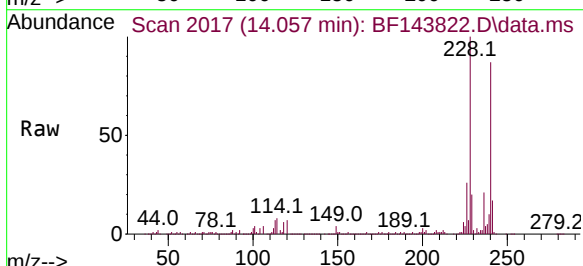
Tgt Ion:240 Resp: 448913

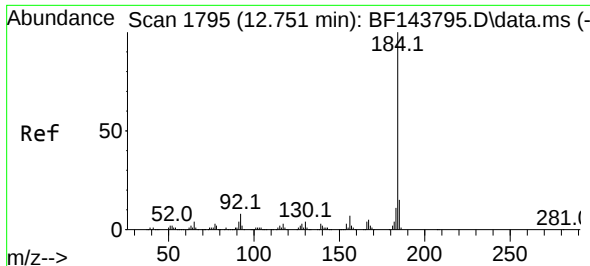
Ion Ratio Lower Upper

240 100

120 7.5 6.2 9.4

236 24.1 19.4 29.2

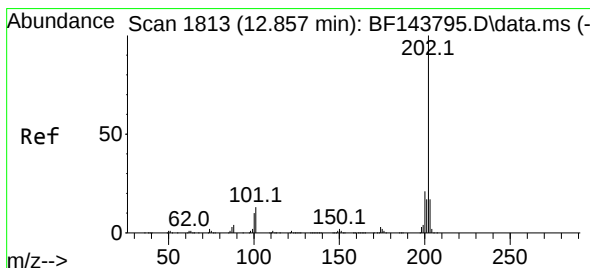
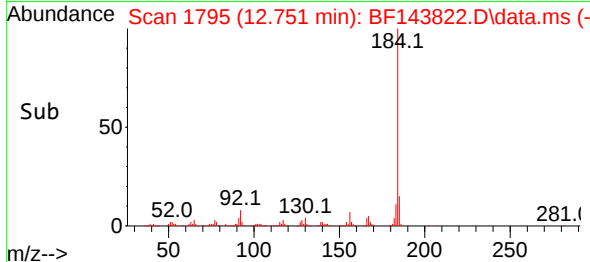
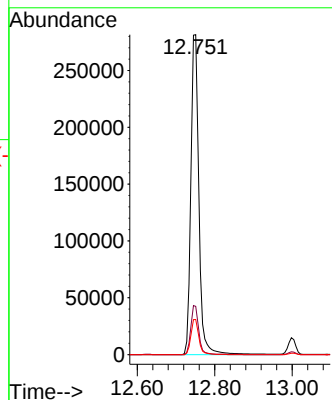
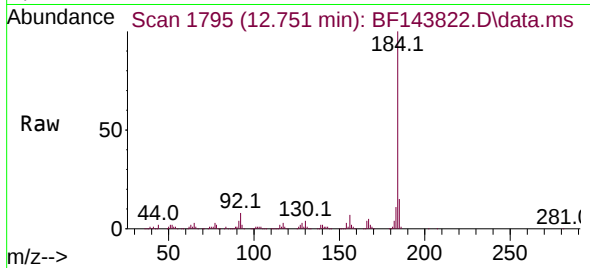




#77
Benzidine
Concen: 37.143 ng
RT: 12.751 min Scan# 1795
Delta R.T. 0.000 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

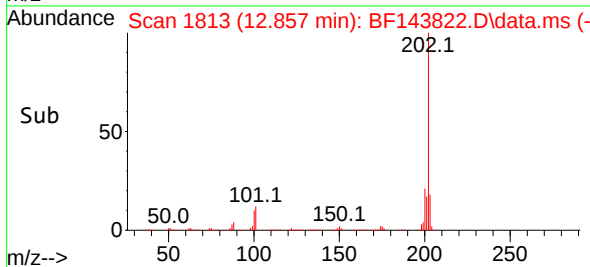
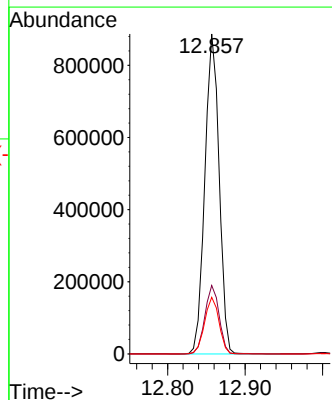
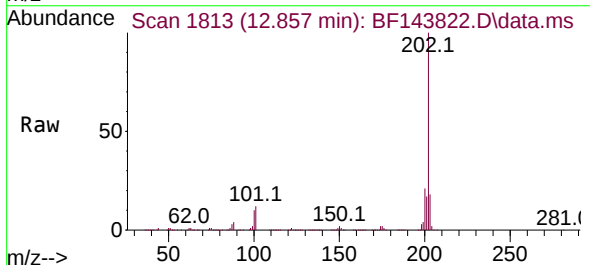
Instrument :
BNA_F
ClientSampleId :
PB169890BS

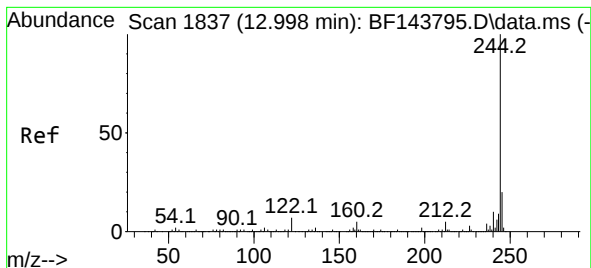
Tgt Ion:184 Resp: 406306
Ion Ratio Lower Upper
184 100
185 15.1 11.6 17.4
183 11.0 8.6 13.0



#78
Pyrene
Concen: 51.425 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

Tgt Ion:202 Resp: 1134976
Ion Ratio Lower Upper
202 100
200 21.4 17.0 25.4
203 17.7 13.9 20.9





#79

Terphenyl-d14

Concen: 99.287 ng

RT: 12.998 min Scan# 1837

Delta R.T. -0.006 min

Lab File: BF143822.D

Acq: 29 Sep 2025 15:11

Instrument :

BNA_F

ClientSampleId :

PB169890BS

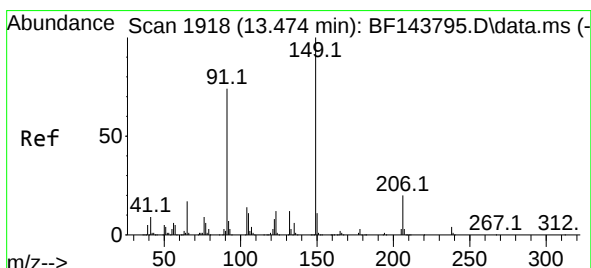
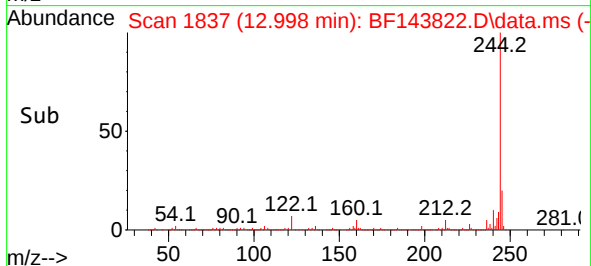
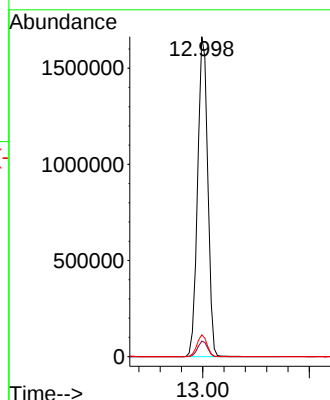
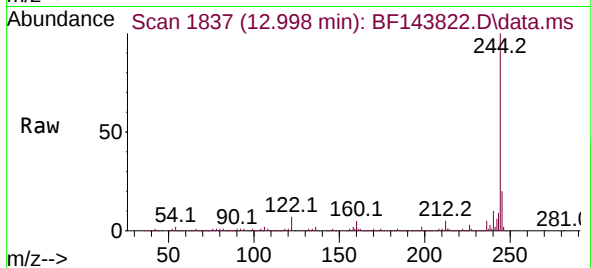
Tgt Ion:244 Resp: 2191591

Ion Ratio Lower Upper

244 100

212 4.8 3.9 5.9

122 6.8 5.6 8.4



#80

Butylbenzylphthalate

Concen: 53.250 ng

RT: 13.475 min Scan# 1918

Delta R.T. -0.006 min

Lab File: BF143822.D

Acq: 29 Sep 2025 15:11

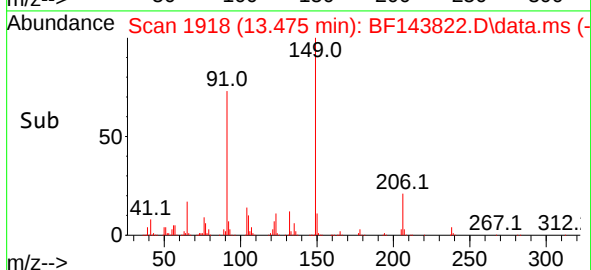
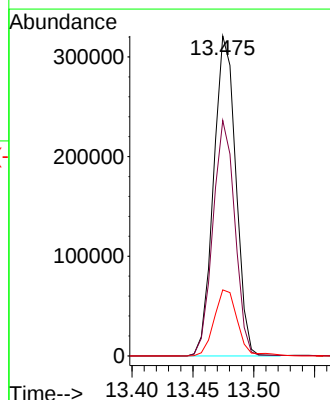
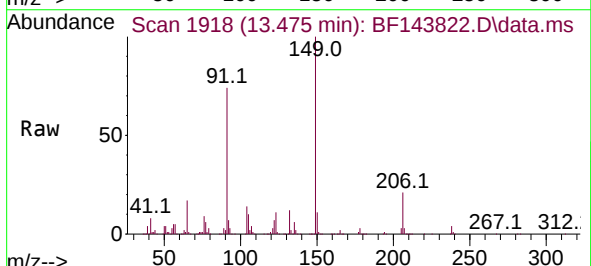
Tgt Ion:149 Resp: 406601

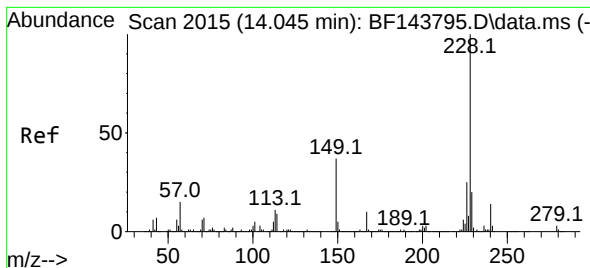
Ion Ratio Lower Upper

149 100

91 73.6 59.5 89.3

206 20.7 16.1 24.1





#81

Benzo(a)anthracene

Concen: 45.844 ng

RT: 14.045 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143822.D

Acq: 29 Sep 2025 15:11

Instrument :

BNA_F

ClientSampleId :

PB169890BS

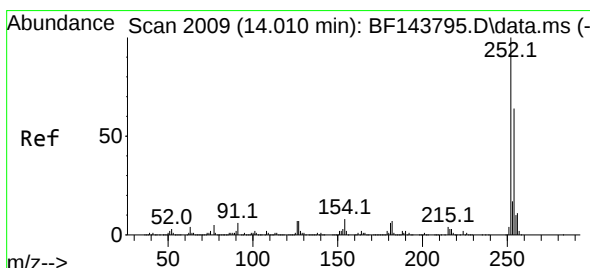
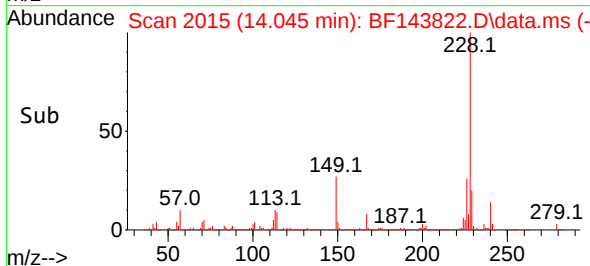
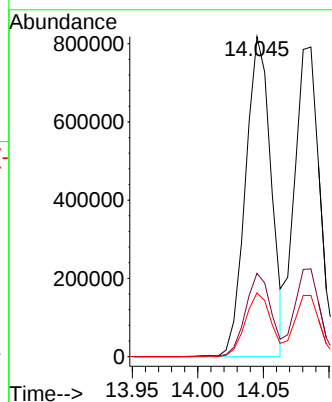
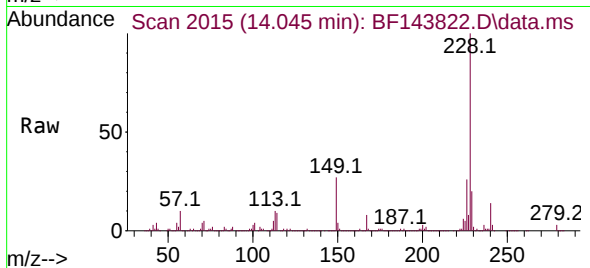
Tgt Ion:228 Resp: 1105594

Ion Ratio Lower Upper

228 100

226 26.0 20.2 30.2

229 19.9 16.1 24.1



#82

3,3'-Dichlorobenzidine

Concen: 32.273 ng

RT: 14.010 min Scan# 2009

Delta R.T. 0.000 min

Lab File: BF143822.D

Acq: 29 Sep 2025 15:11

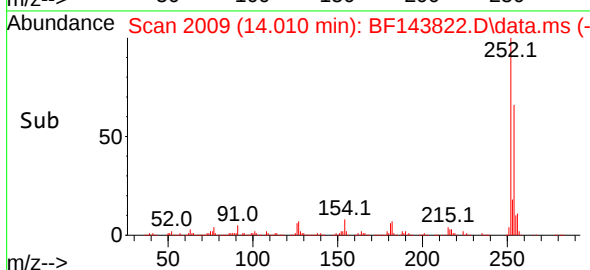
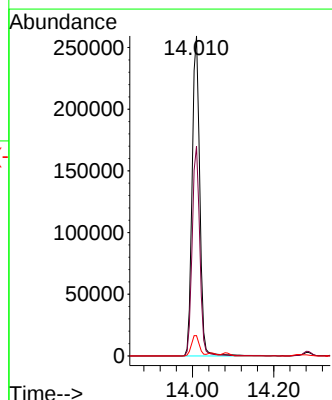
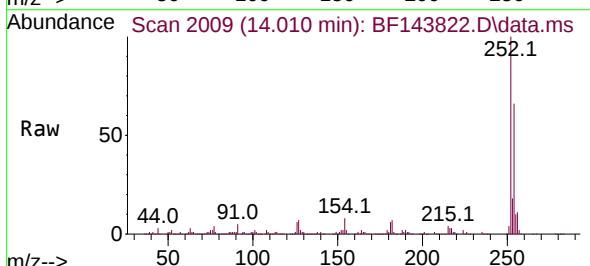
Tgt Ion:252 Resp: 337183

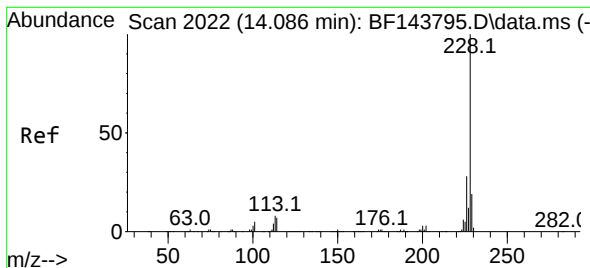
Ion Ratio Lower Upper

252 100

254 65.5 51.5 77.3

126 6.3 5.4 8.2





#83

Chrysene

Concen: 48.146 ng

RT: 14.086 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF143822.D

Acq: 29 Sep 2025 15:11

Instrument :

BNA_F

ClientSampleId :

PB169890BS

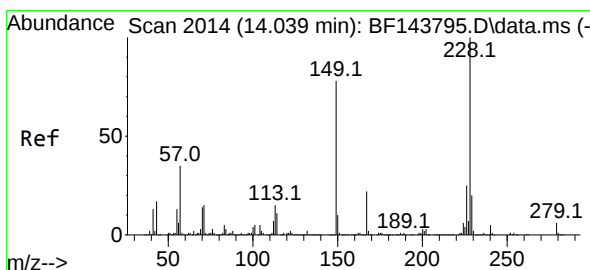
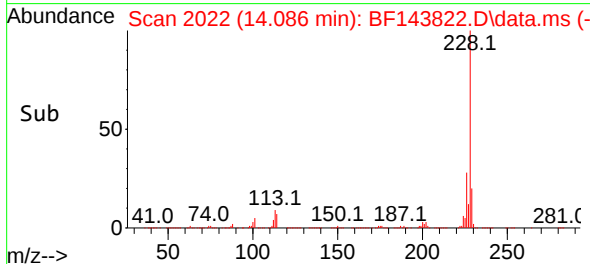
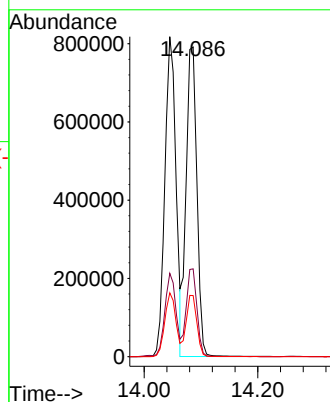
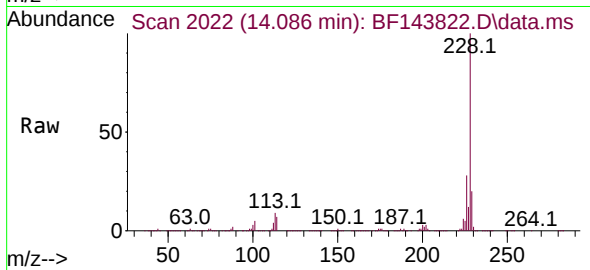
Tgt Ion:228 Resp: 1050643

Ion Ratio Lower Upper

228 100

226 28.3 22.6 33.8

229 19.7 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 47.924 ng

RT: 14.033 min Scan# 2013

Delta R.T. -0.006 min

Lab File: BF143822.D

Acq: 29 Sep 2025 15:11

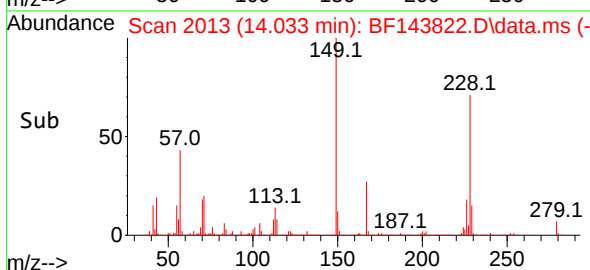
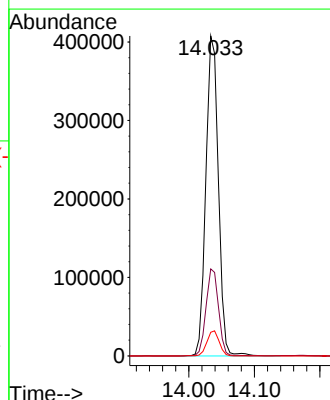
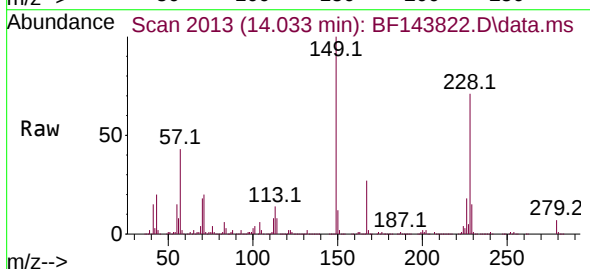
Tgt Ion:149 Resp: 536383

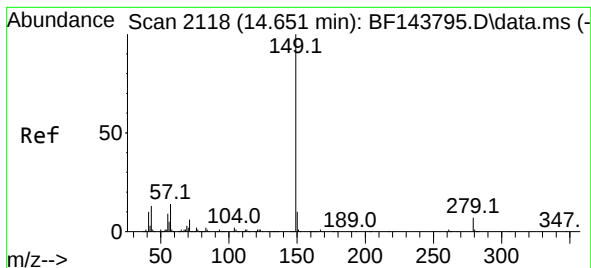
Ion Ratio Lower Upper

149 100

167 27.2 22.2 33.2

279 7.4 6.0 9.0





#85

Di-n-octyl phthalate

Concen: 46.537 ng

RT: 14.651 min Scan# 2118

Delta R.T. -0.006 min

Lab File: BF143822.D

Acq: 29 Sep 2025 15:11

Instrument :

BNA_F

ClientSampleId :

PB169890BS

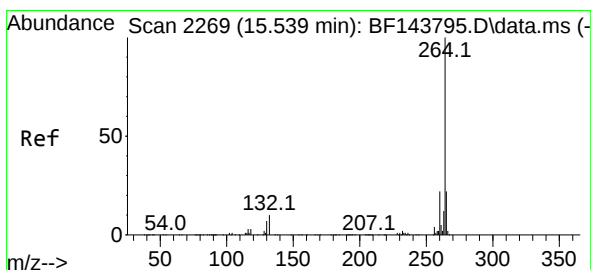
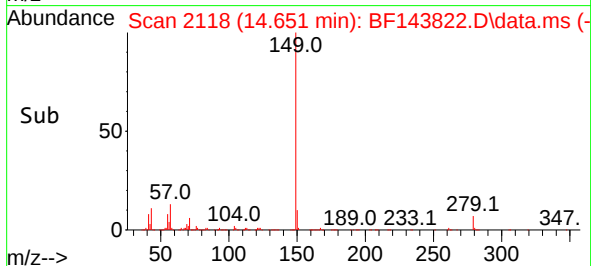
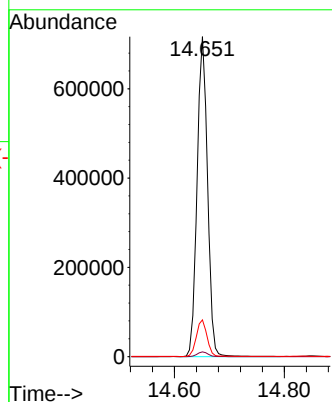
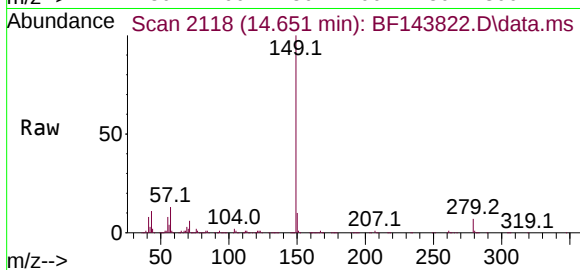
Tgt Ion:149 Resp: 944808

Ion Ratio Lower Upper

149 100

167 1.5 1.1 1.7

43 11.7 10.7 16.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 2268

Delta R.T. -0.006 min

Lab File: BF143822.D

Acq: 29 Sep 2025 15:11

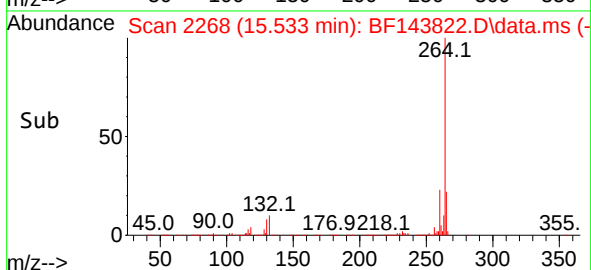
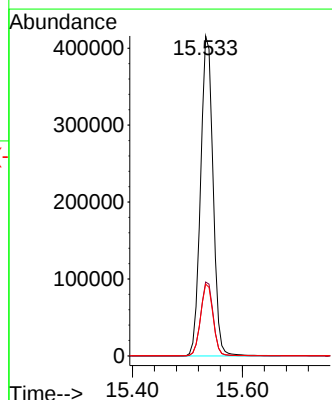
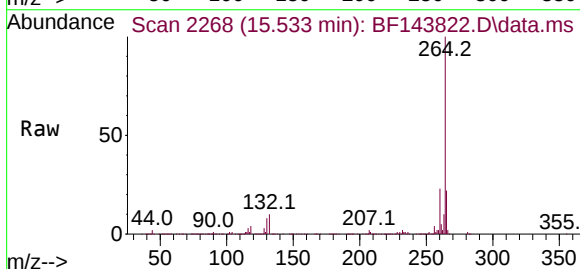
Tgt Ion:264 Resp: 653832

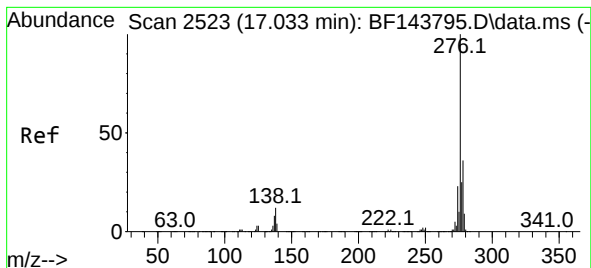
Ion Ratio Lower Upper

264 100

260 23.1 17.9 26.9

265 22.4 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 50.478 ng

RT: 17.039 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143822.D

Acq: 29 Sep 2025 15:11

Instrument :

BNA_F

ClientSampleId :

PB169890BS

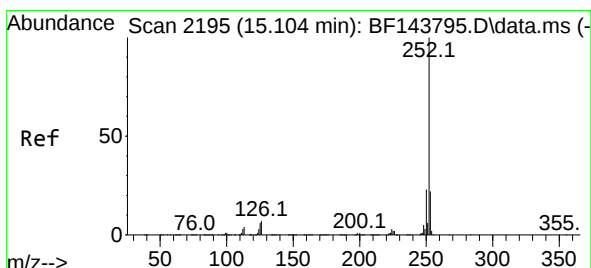
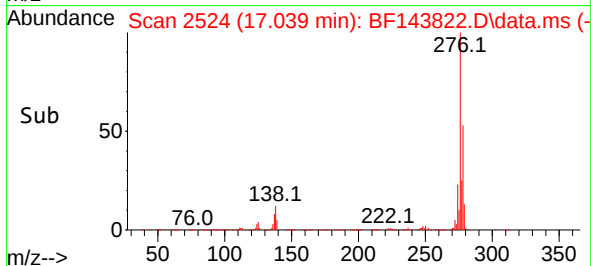
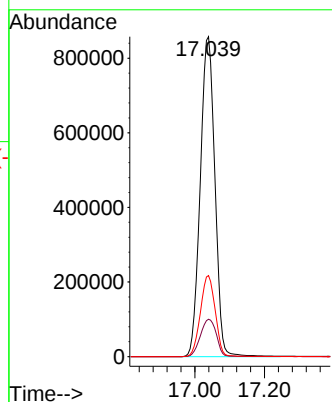
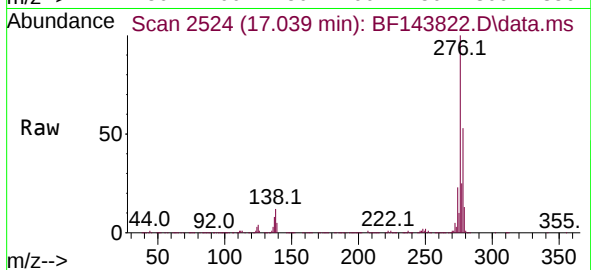
Tgt Ion:276 Resp: 2504130

Ion Ratio Lower Upper

276 100

138 12.7 10.6 15.8

277 25.6 20.7 31.1



#88

Benzo(b)fluoranthene

Concen: 46.974 ng

RT: 15.104 min Scan# 2195

Delta R.T. 0.000 min

Lab File: BF143822.D

Acq: 29 Sep 2025 15:11

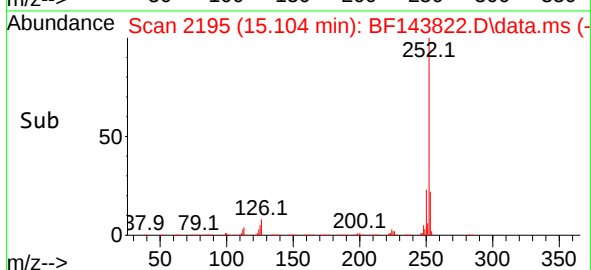
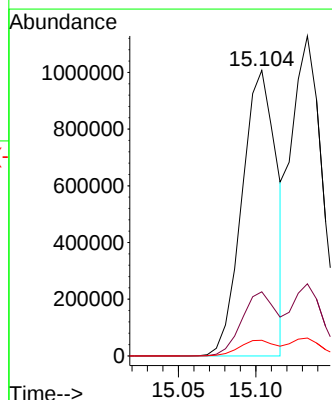
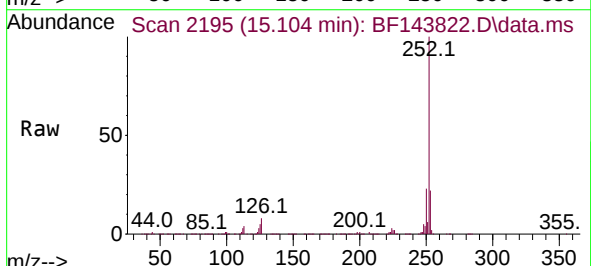
Tgt Ion:252 Resp: 1564047

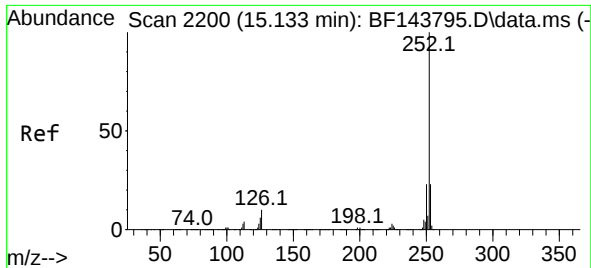
Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.8

125 5.5 4.4 6.6

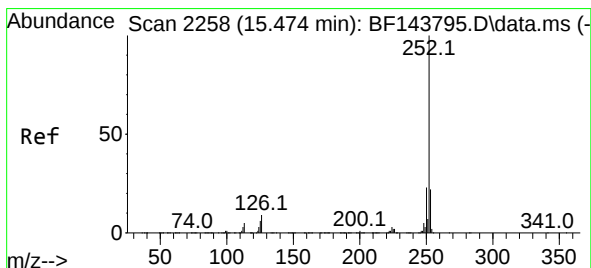
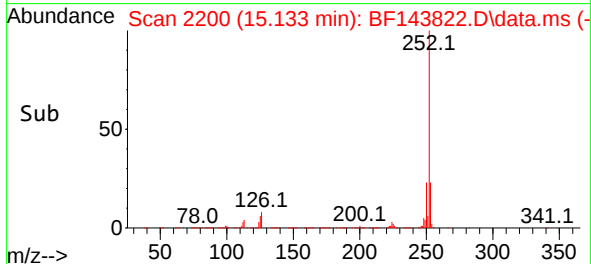
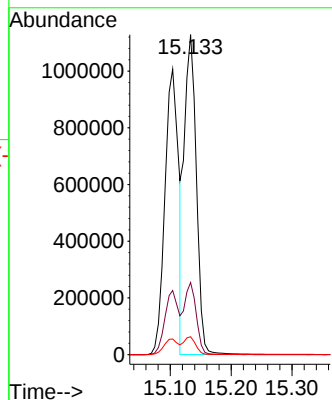
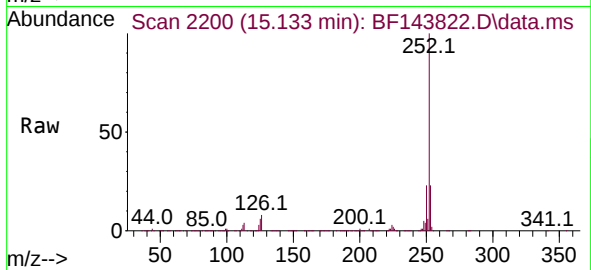




#89
Benzo(k)fluoranthene
Concen: 46.550 ng
RT: 15.133 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

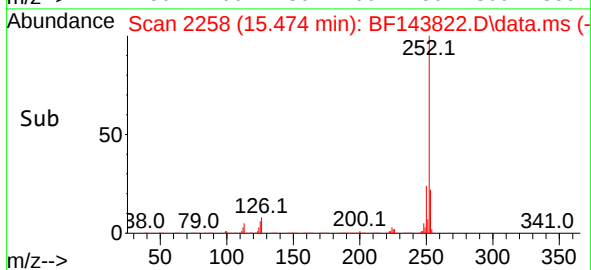
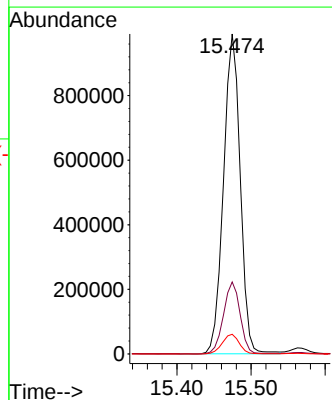
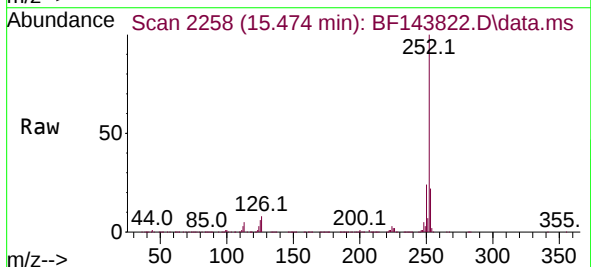
Instrument :
BNA_F
ClientSampleId :
PB169890BS

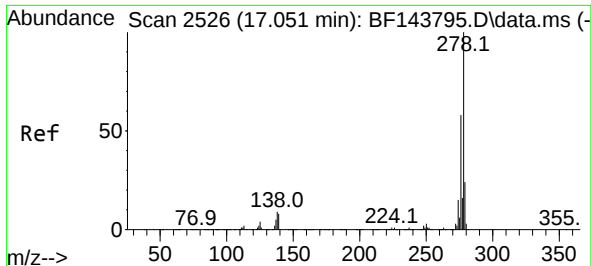
Tgt Ion:252 Resp: 1557193
Ion Ratio Lower Upper
252 100
253 22.5 17.9 26.9
125 5.6 4.6 6.8



#90
Benzo(a)pyrene
Concen: 49.592 ng
RT: 15.474 min Scan# 2258
Delta R.T. -0.006 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

Tgt Ion:252 Resp: 1552114
Ion Ratio Lower Upper
252 100
253 22.5 17.6 26.4
125 6.1 5.0 7.4

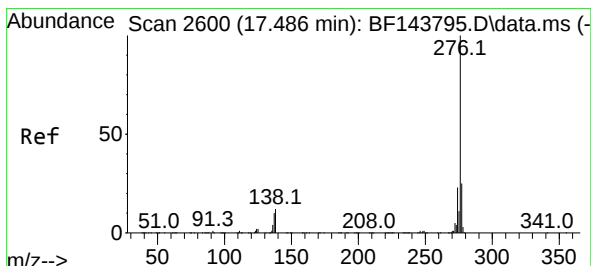
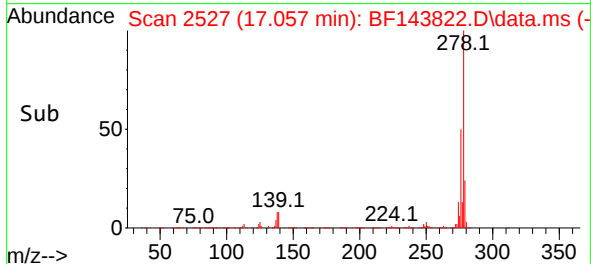
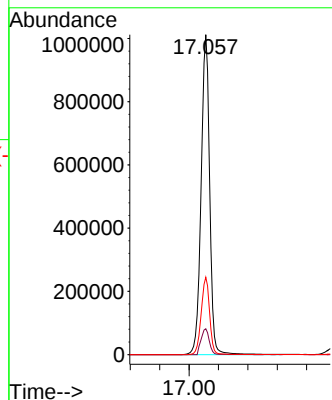
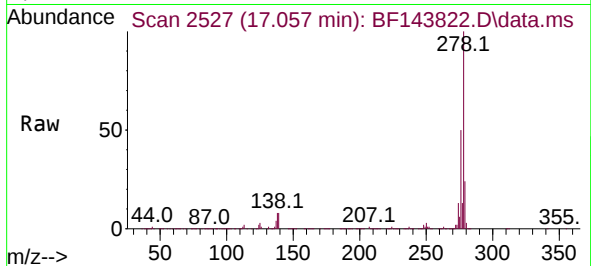




#91
Dibenzo(a,h)anthracene
Concen: 50.323 ng
RT: 17.057 min Scan# 2526
Delta R.T. -0.012 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

Instrument :
BNA_F
ClientSampleId :
PB169890BS

Tgt Ion:278 Resp: 2041892
Ion Ratio Lower Upper
278 100
139 8.1 6.7 10.1
279 24.2 19.3 28.9



#92
Benzo(g,h,i)perylene
Concen: 52.848 ng
RT: 17.492 min Scan# 2601
Delta R.T. -0.012 min
Lab File: BF143822.D
Acq: 29 Sep 2025 15:11

Tgt Ion:276 Resp: 2067094
Ion Ratio Lower Upper
276 100
277 24.6 19.6 29.4
138 11.2 9.2 13.8

