

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080625\
 Data File : BF143325.D
 Acq On : 06 Aug 2025 12:34
 Operator : RC/JU
 Sample : PB169119BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB169119BS

Quant Time: Aug 06 12:52:15 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	105954	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	373007	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	195947	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	319800	20.000	ng	0.00
76) Chrysene-d12	14.127	240	209994	20.000	ng	0.00
86) Perylene-d12	15.639	264	204050	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	767836	114.679	ng	0.02
7) Phenol-d6	6.598	99	940221	111.565	ng	0.01
23) Nitrobenzene-d5	7.522	82	668712	89.364	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	281155	138.894	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1126518	78.626	ng	0.00
79) Terphenyl-d14	13.069	244	1085056	76.892	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.893	88	111403	35.163	ng	100
3) Pyridine	3.652	79	288603	35.097	ng	98
4) n-Nitrosodimethylamine	3.593	42	161018	37.926	ng	99
6) Aniline	6.622	93	278455	23.708	ng	# 82
8) 2-Chlorophenol	6.751	128	266344	37.950	ng	98
9) Benzaldehyde	6.510	77	168014	26.587	ng	99
10) Phenol	6.610	94	347440	37.844	ng	88
11) bis(2-Chloroethyl)ether	6.693	93	259902	36.973	ng	99
12) 1,3-Dichlorobenzene	6.904	146	281173	36.880	ng	99
13) 1,4-Dichlorobenzene	6.981	146	326463	42.520	ng	99
14) 1,2-Dichlorobenzene	7.134	146	281208	38.508	ng	99
15) Benzyl Alcohol	7.098	79	245701	38.183	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.234	45	529216	40.584	ng	96
17) 2-Methylphenol	7.210	107	244285	41.397	ng	100
18) Hexachloroethane	7.475	117	116651	43.887	ng	98
19) n-Nitroso-di-n-propyla...	7.369	70	203294	37.599	ng	100
20) 3+4-Methylphenols	7.363	107	269592	37.655	ng	# 74
22) Acetophenone	7.363	105	364661	41.293	ng	95
24) Nitrobenzene	7.540	77	326396	46.785	ng	99
25) Isophorone	7.781	82	566676	42.898	ng	98
26) 2-Nitrophenol	7.857	139	150160	49.594	ng	99
27) 2,4-Dimethylphenol	7.892	122	244344	39.590	ng	99
28) bis(2-Chloroethoxy)met...	7.987	93	322333	40.697	ng	99
29) 2,4-Dichlorophenol	8.098	162	216028	41.505	ng	99
30) 1,2,4-Trichlorobenzene	8.187	180	237139	42.172	ng	99
31) Naphthalene	8.263	128	824028	44.857	ng	100
32) Benzoic acid	8.004	122	130137	38.572	ng	99
33) 4-Chloroaniline	8.304	127	96813	12.907	ng	98
34) Hexachlorobutadiene	8.387	225	152346	44.351	ng	99
35) Caprolactam	8.675	113	75106	47.752	ng	97
36) 4-Chloro-3-methylphenol	8.792	107	254328	44.956	ng	99
37) 2-Methylnaphthalene	8.957	142	479108	42.860	ng	99
38) 1-Methylnaphthalene	9.057	142	546344	47.462	ng	99
40) 1,2,4,5-Tetrachloroben...	9.128	216	265649	46.958	ng	99
41) Hexachlorocyclopentadiene	9.116	237	285256	77.495	ng	100
43) 2,4,6-Trichlorophenol	9.234	196	170460	43.537	ng	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	168054	42.910	ng	98
46) 1,1'-Biphenyl	9.422	154	645987	42.255	ng	100
47) 2-Chloronaphthalene	9.445	162	469415	41.498	ng	100
48) 2-Nitroaniline	9.534	65	160171	45.152	ng	98
49) Acenaphthylene	9.863	152	813101	42.892	ng	100
50) Dimethylphthalate	9.716	163	563326	44.105	ng	100
51) 2,6-Dinitrotoluene	9.775	165	133953	51.555	ng	98
52) Acenaphthene	10.033	154	514926	45.958	ng	97
53) 3-Nitroaniline	9.945	138	73799	24.283	ng	96
54) 2,4-Dinitrophenol	10.051	184	103570	87.288	ng	# 1
55) Dibenzofuran	10.204	168	701795	42.188	ng	99
56) 4-Nitrophenol	10.110	139	152100	67.021	ng	97
57) 2,4-Dinitrotoluene	10.181	165	164390	50.429	ng	95
58) Fluorene	10.551	166	518926	41.564	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.328	232	133209	41.060	ng	99
60) Diethylphthalate	10.416	149	542507	42.973	ng	100
61) 4-Chlorophenyl-phenyle...	10.539	204	266425	42.856	ng	100
62) 4-Nitroaniline	10.557	138	105992	40.693	ng	99
63) Azobenzene	10.698	77	623545	47.392	ng	100
65) 4,6-Dinitro-2-methylph...	10.592	198	77862	46.619	ng	98
66) n-Nitrosodiphenylamine	10.657	169	521370	46.298	ng	99
67) 4-Bromophenyl-phenylether	11.028	248	181258	47.560	ng	99
68) Hexachlorobenzene	11.104	284	185818	46.647	ng	98
69) Atrazine	11.180	200	159947	51.520	ng	99
70) Pentachlorophenol	11.292	266	170667	72.854	ng	98
71) Phenanthrene	11.516	178	689384	40.599	ng	100
72) Anthracene	11.563	178	713488	41.199	ng	100
73) Carbazole	11.716	167	612657	40.514	ng	100
74) Di-n-butylphthalate	12.039	149	816595	47.724	ng	100
75) Fluoranthene	12.704	202	690788	44.322	ng	99
77) Benzidine	12.816	184	178963	22.120	ng	98
78) Pyrene	12.933	202	685174	38.231	ng	99
80) Butylbenzylphthalate	13.539	149	314092	57.233	ng	99
81) Benzo(a)anthracene	14.121	228	582200	41.411	ng	99
82) 3,3'-Dichlorobenzidine	14.074	252	93473	19.948	ng	100
83) Chrysene	14.157	228	503673	39.846	ng	100
84) Bis(2-ethylhexyl)phtha...	14.098	149	370122	44.558	ng	100
85) Di-n-octyl phthalate	14.716	149	590558	39.223	ng	98
87) Indeno(1,2,3-cd)pyrene	17.186	276	570002	39.616	ng	99
88) Benzo(b)fluoranthene	15.192	252	644581	51.709	ng	98
89) Benzo(k)fluoranthene	15.221	252	514609	46.263	ng	99
90) Benzo(a)pyrene	15.574	252	544087	47.373	ng	99
91) Dibenzo(a,h)anthracene	17.204	278	455905	38.929	ng	98
92) Benzo(g,h,i)perylene	17.651	276	455970	40.250	ng	99

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

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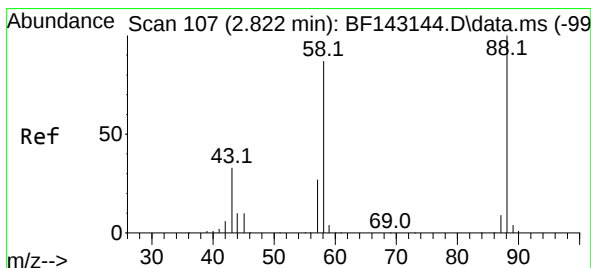
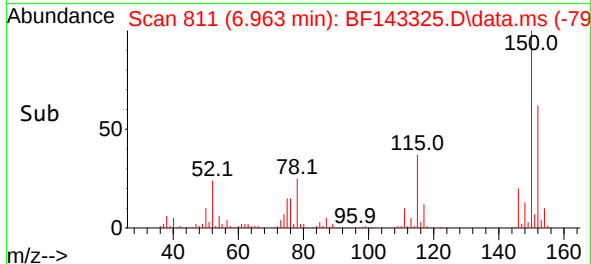
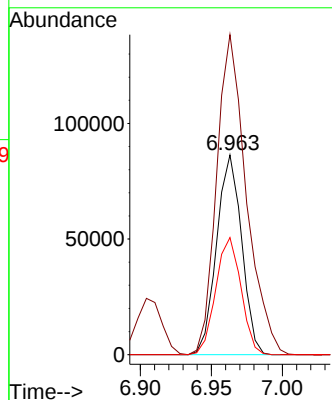
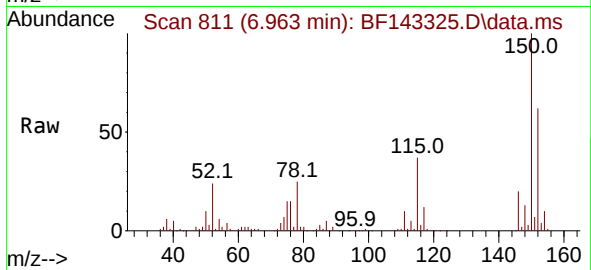




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.963 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: BF143325.D
 Acq: 06 Aug 2025 12:34

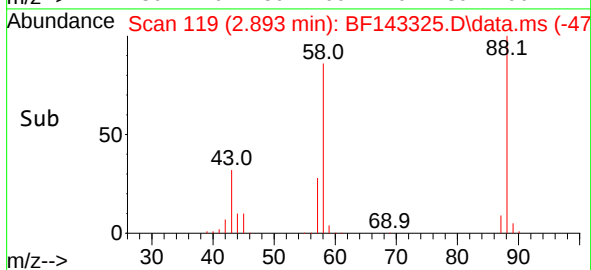
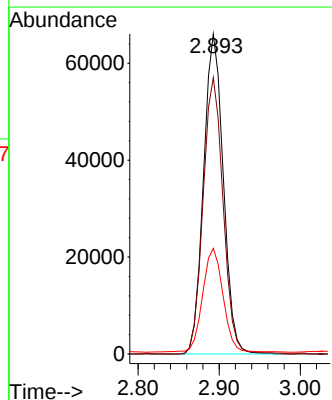
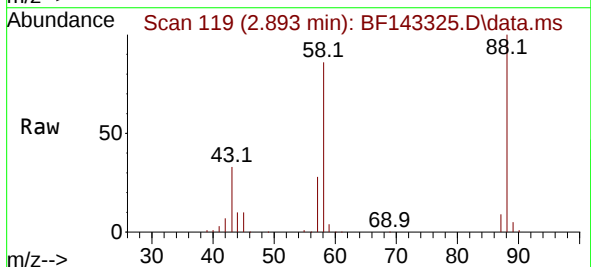
Instrument :
 BNA_F
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 PB169119BS

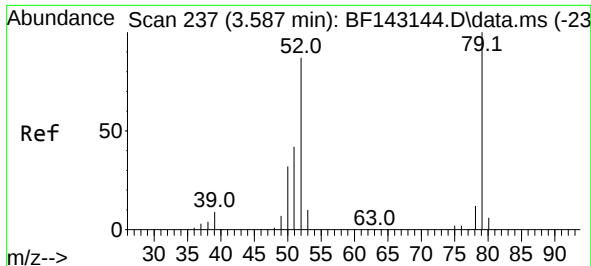
Tgt Ion:152 Resp: 105954
 Ion Ratio Lower Upper
 152 100
 150 160.3 128.2 192.4
 115 58.7 47.9 71.9



#2
 1,4-Dioxane
 Concen: 35.163 ng
 RT: 2.893 min Scan# 119
 Delta R.T. 0.071 min
 Lab File: BF143325.D
 Acq: 06 Aug 2025 12:34

Tgt Ion: 88 Resp: 111403
 Ion Ratio Lower Upper
 88 100
 58 87.8 70.2 105.2
 43 33.7 27.1 40.7





#3

Pyridine

Concen: 35.097 ng

RT: 3.652 min Scan# 24

Delta R.T. 0.065 min

Lab File: BF143325.D

Acq: 06 Aug 2025 12:34

Instrument :

BNA_F

ClientSampleId :

PB169119BS

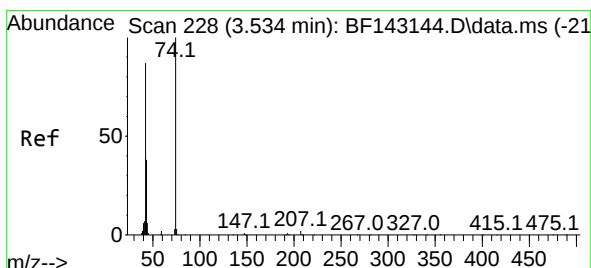
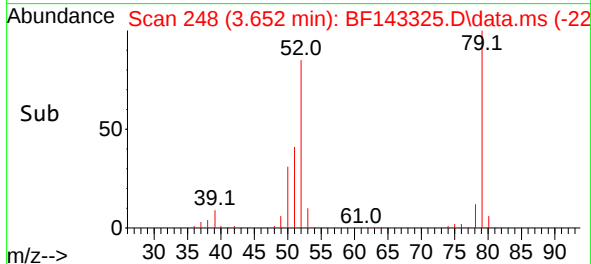
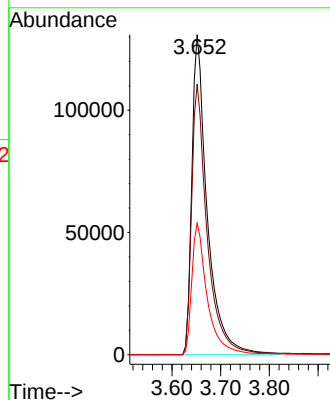
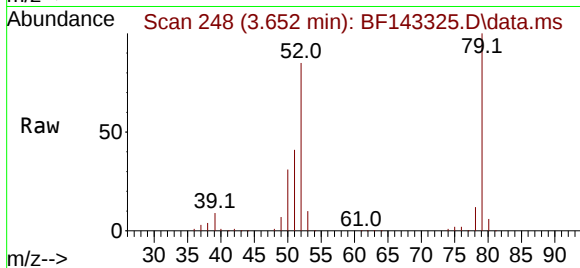
Tgt Ion: 79 Resp: 288603

Ion Ratio Lower Upper

79 100

52 84.5 69.4 104.2

51 41.1 33.5 50.3



#4

n-Nitrosodimethylamine

Concen: 37.926 ng

RT: 3.593 min Scan# 238

Delta R.T. 0.059 min

Lab File: BF143325.D

Acq: 06 Aug 2025 12:34

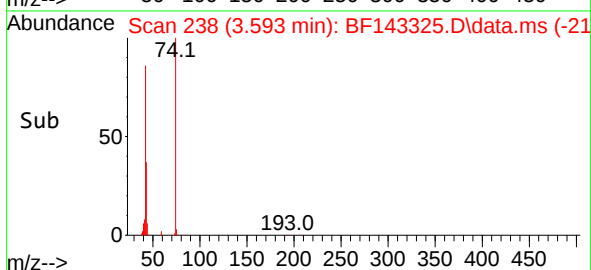
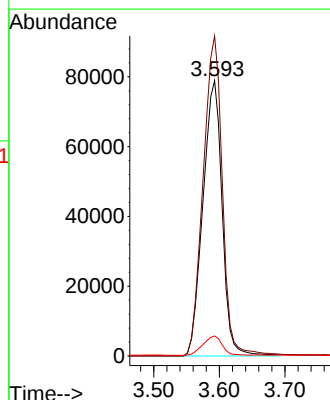
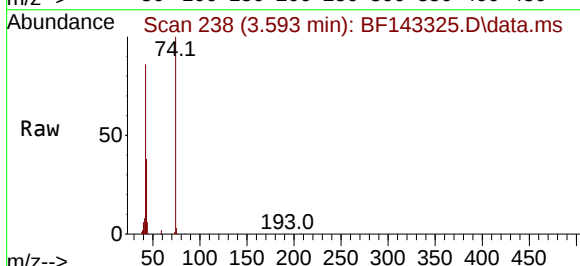
Tgt Ion: 42 Resp: 161018

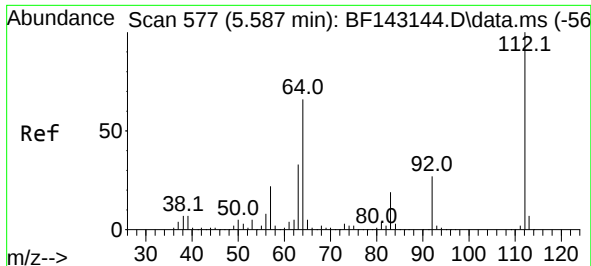
Ion Ratio Lower Upper

42 100

74 116.2 91.7 137.5

44 7.3 5.6 8.4

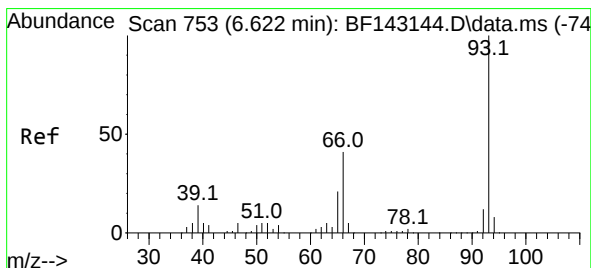
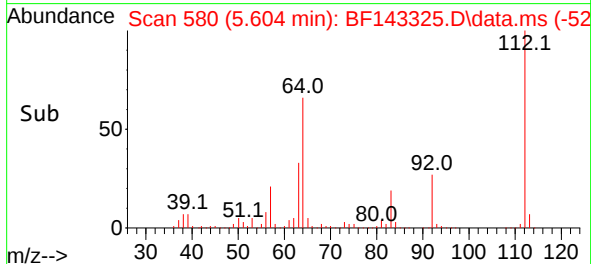
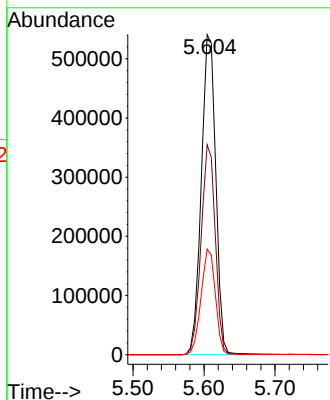
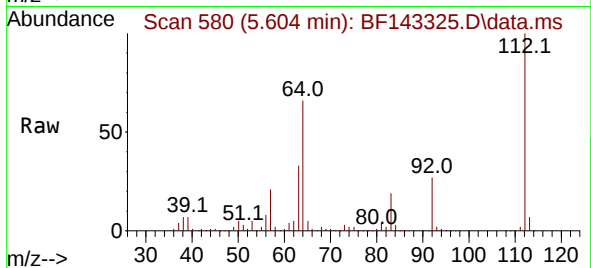




#5
2-Fluorophenol
Concen: 114.679 ng
RT: 5.604 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

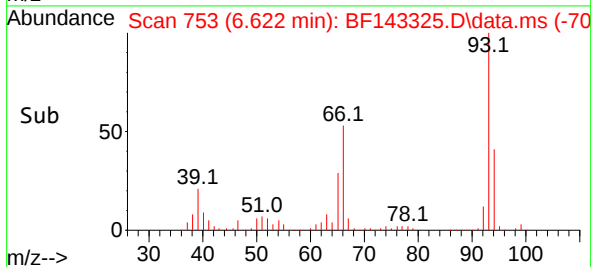
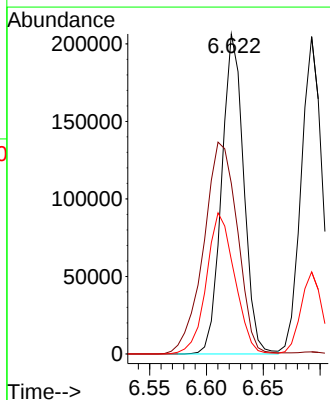
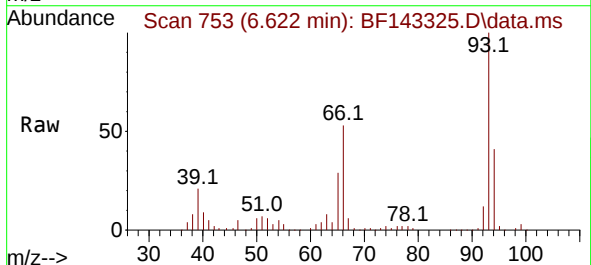
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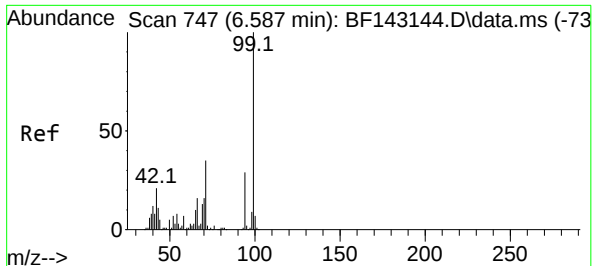
Tgt Ion:112 Resp: 767836
Ion Ratio Lower Upper
112 100
64 65.6 53.1 79.7
63 33.0 26.6 40.0



#6
Aniline
Concen: 23.708 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

Tgt Ion: 93 Resp: 278455
Ion Ratio Lower Upper
93 100
66 53.3 33.2 49.8#
65 29.4 16.9 25.3#

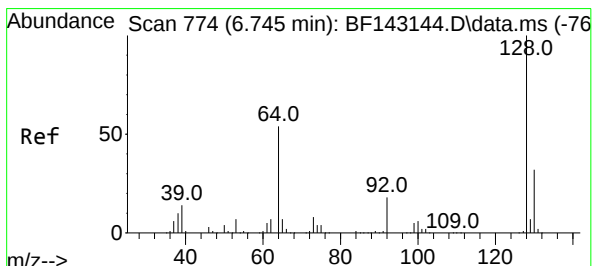
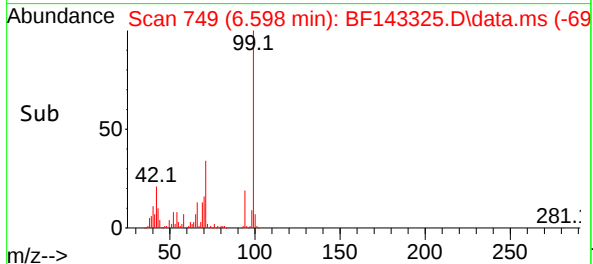
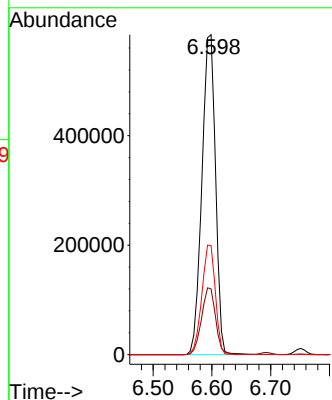
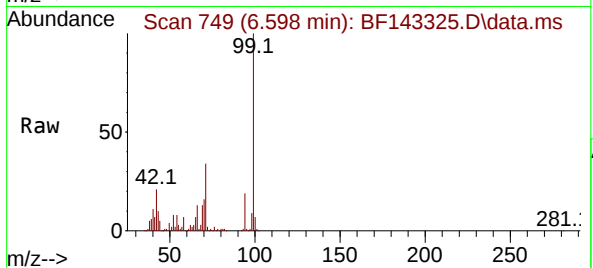




#7
Phenol-d6
Concen: 111.565 ng
RT: 6.598 min Scan# 747
Delta R.T. 0.012 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

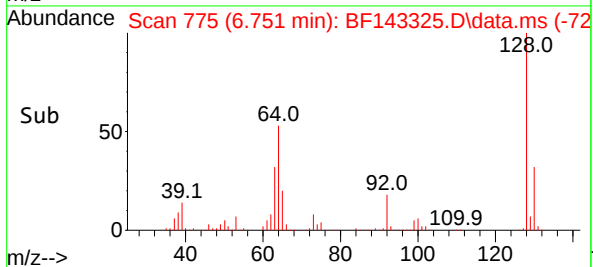
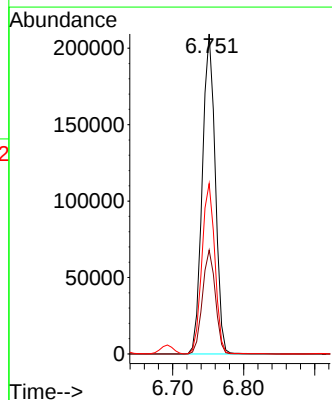
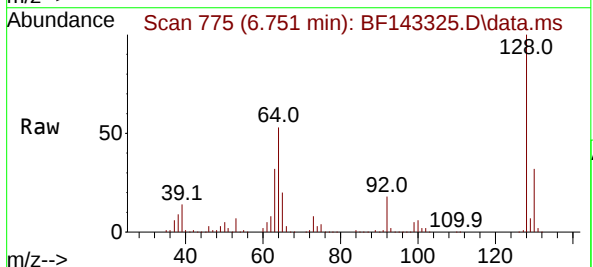
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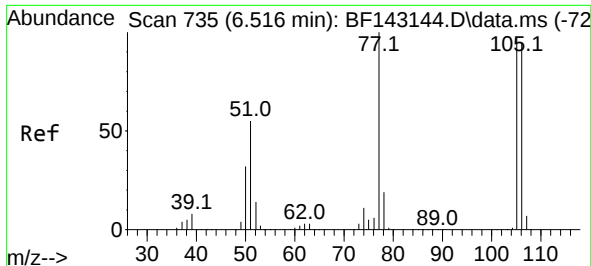
Tgt Ion: 99 Resp: 940221
Ion Ratio Lower Upper
99 100
42 20.5 17.0 25.6
71 34.0 27.7 41.5



#8
2-Chlorophenol
Concen: 37.950 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

Tgt Ion: 128 Resp: 266344
Ion Ratio Lower Upper
128 100
130 32.5 12.3 52.3
64 53.3 35.9 75.9

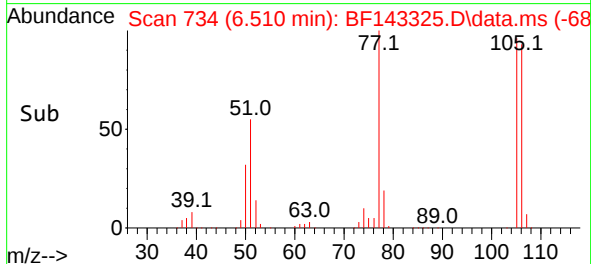
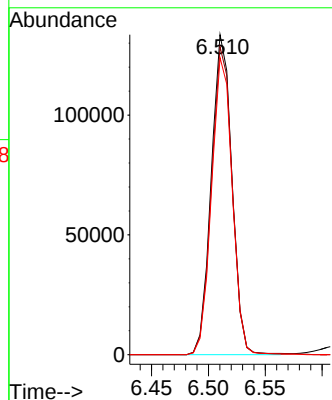
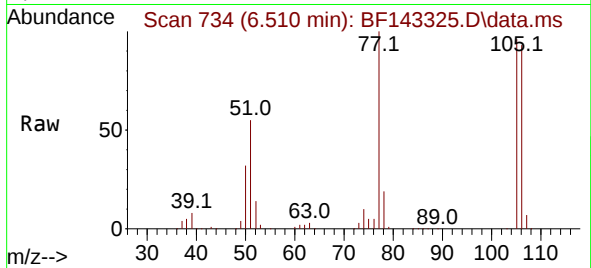




#9
Benzaldehyde
Concen: 26.587 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

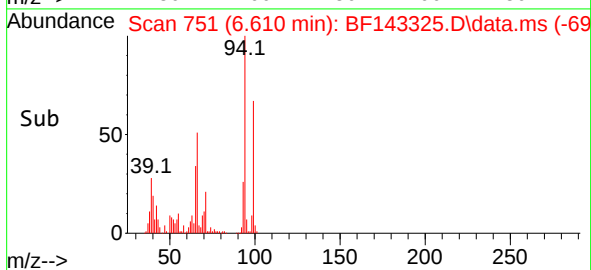
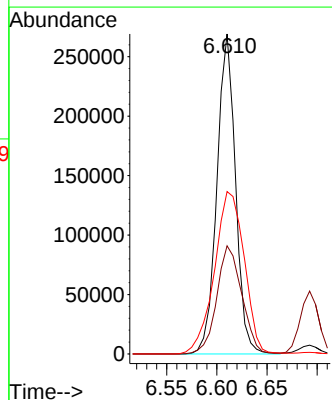
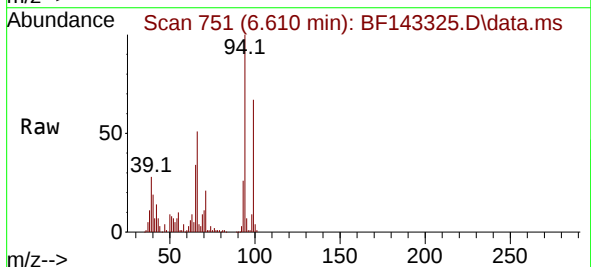
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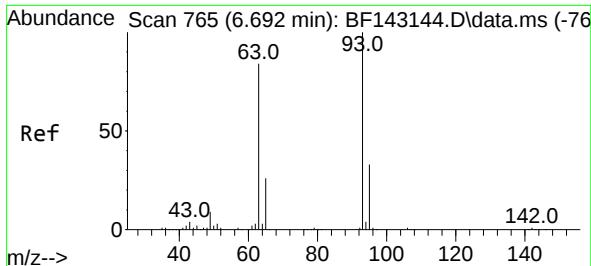
Tgt Ion: 77 Resp: 168014
Ion Ratio Lower Upper
77 100
105 96.2 76.8 116.8
106 92.8 74.4 114.4



#10
Phenol
Concen: 37.844 ng
RT: 6.610 min Scan# 751
Delta R.T. 0.012 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

Tgt Ion: 94 Resp: 347440
Ion Ratio Lower Upper
94 100
65 33.8 10.0 50.0
66 50.8 20.8 60.8





#11

bis(2-Chloroethyl)ether

Concen: 36.973 ng

RT: 6.693 min Scan# 765

Delta R.T. 0.000 min

Lab File: BF143325.D

Acq: 06 Aug 2025 12:34

Instrument :

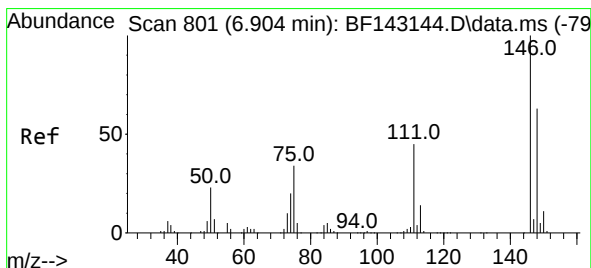
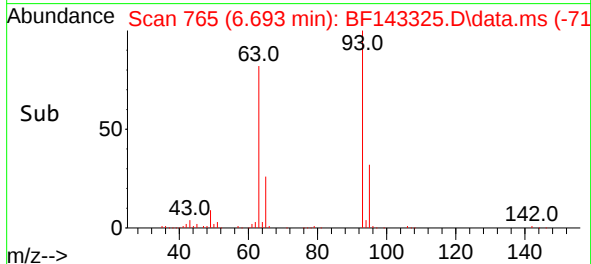
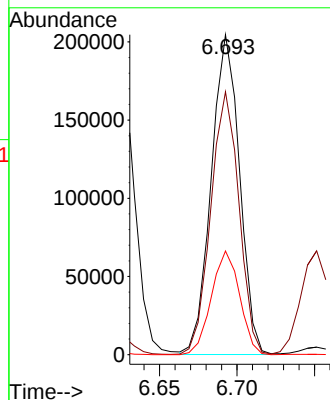
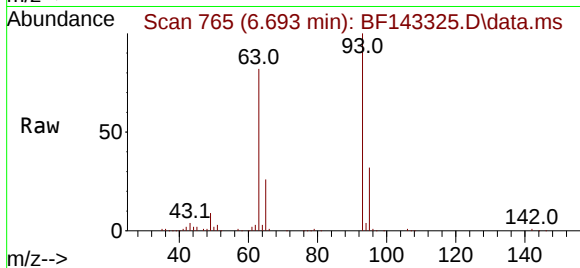
BNA_F

ClientSampleId :

PB169119BS

Tgt Ion: 93 Resp: 259902

Ion	Ratio	Lower	Upper
93	100		
63	82.2	63.4	103.4
95	32.4	12.4	52.4



#12

1,3-Dichlorobenzene

Concen: 36.880 ng

RT: 6.904 min Scan# 801

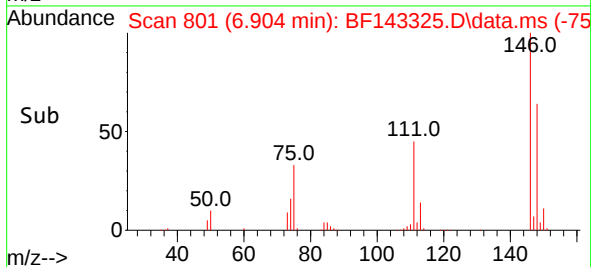
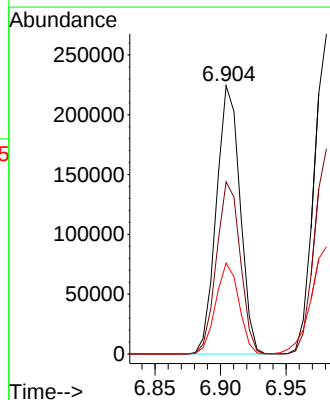
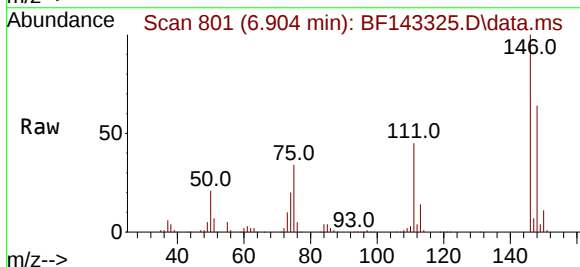
Delta R.T. 0.000 min

Lab File: BF143325.D

Acq: 06 Aug 2025 12:34

Tgt Ion: 146 Resp: 281173

Ion	Ratio	Lower	Upper
146	100		
148	64.2	50.6	76.0
75	33.9	27.4	41.2





#13

1,4-Dichlorobenzene

Concen: 42.520 ng

RT: 6.981 min Scan# 814

Delta R.T. 0.000 min

Lab File: BF143325.D

Acq: 06 Aug 2025 12:34

Instrument :

BNA_F

ClientSampleId :

PB169119BS

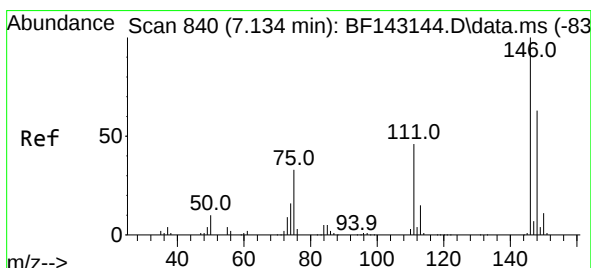
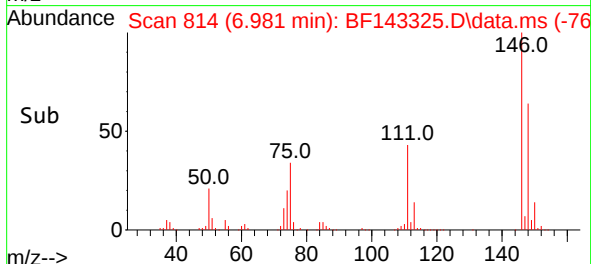
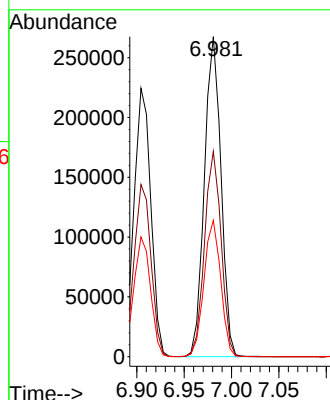
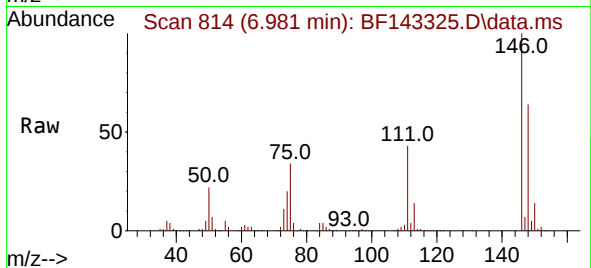
Tgt Ion:146 Resp: 326463

Ion Ratio Lower Upper

146 100

148 64.1 50.3 75.5

111 42.6 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 38.508 ng

RT: 7.134 min Scan# 840

Delta R.T. 0.000 min

Lab File: BF143325.D

Acq: 06 Aug 2025 12:34

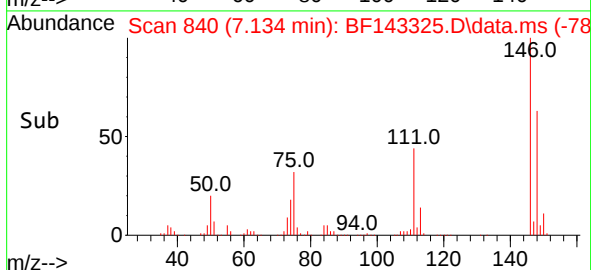
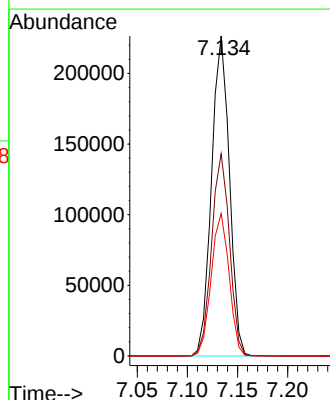
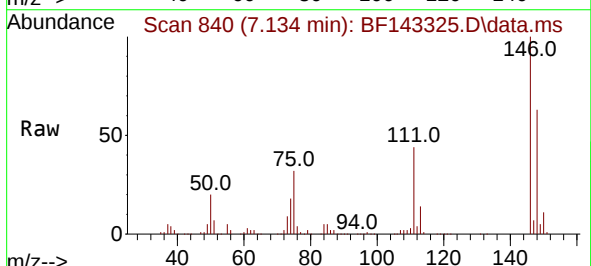
Tgt Ion:146 Resp: 281208

Ion Ratio Lower Upper

146 100

148 63.2 50.7 76.1

111 44.5 36.6 54.8

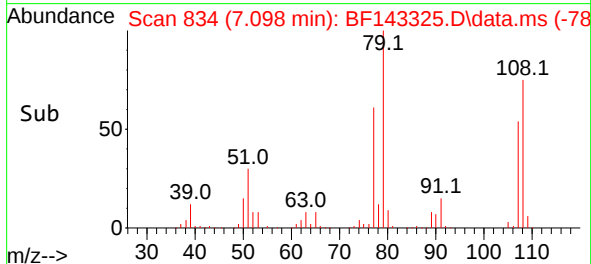
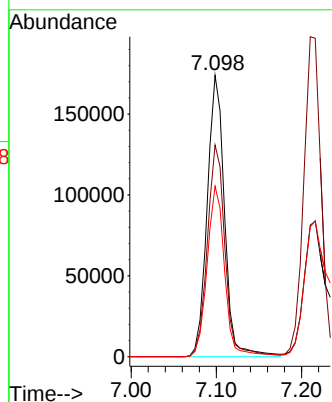
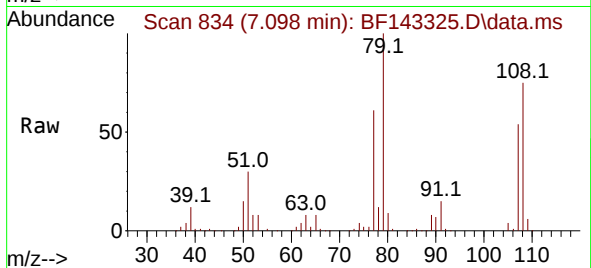




#15
Benzyl Alcohol
Concen: 38.183 ng
RT: 7.098 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

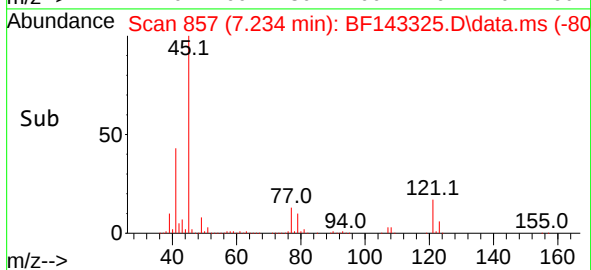
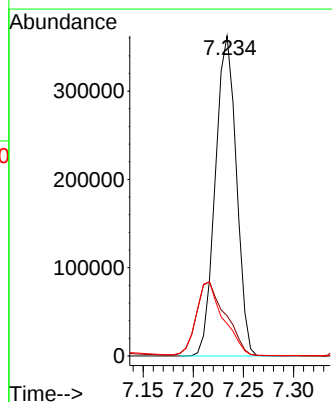
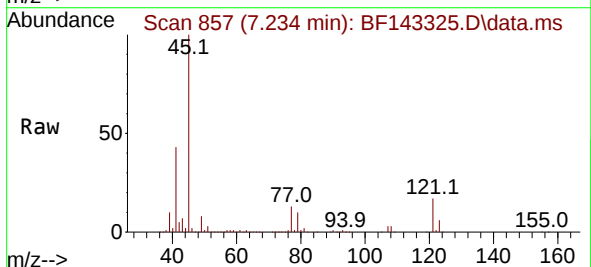
Instrument :
BNA_F
ClientSampleId :
PB169119BS

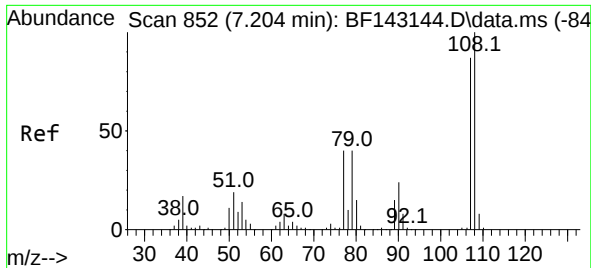
Tgt Ion: 79 Resp: 245701
Ion Ratio Lower Upper
79 100
108 75.3 61.1 91.7
77 60.6 48.9 73.3



#16
2,2'-oxybis(1-chloropropane)
Concen: 40.584 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

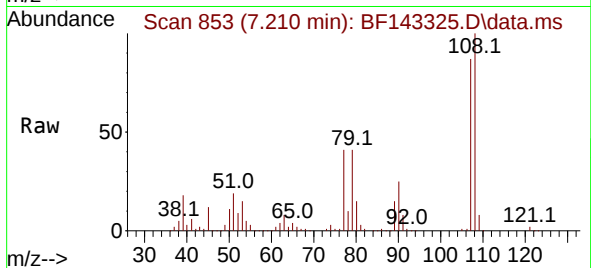
Tgt Ion: 45 Resp: 529216
Ion Ratio Lower Upper
45 100
77 12.6 0.0 31.2
79 10.1 0.0 28.5



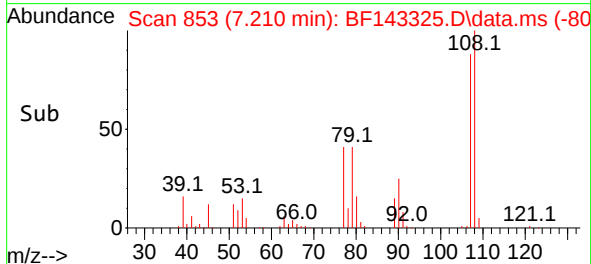
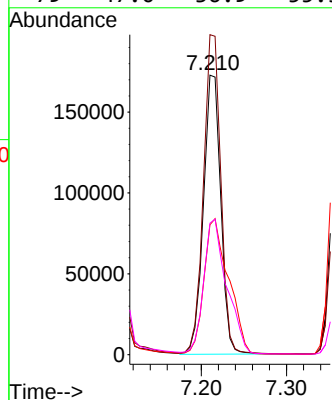


#17
2-Methylphenol
Concen: 41.397 ng
RT: 7.210 min Scan# 853
Delta R.T. 0.006 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

Instrument :
BNA_F
ClientSampleId :
PB169119BS

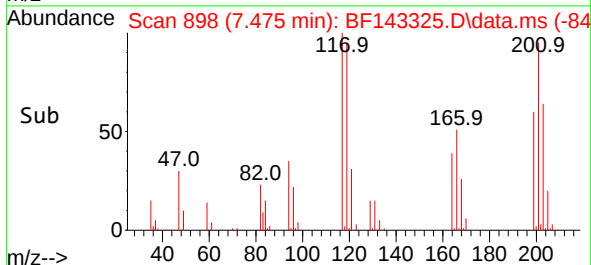
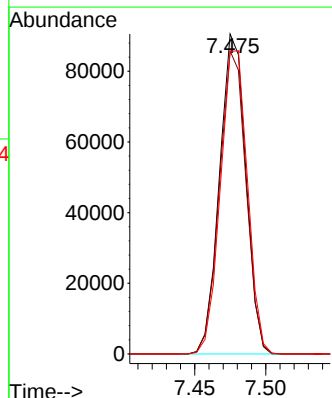
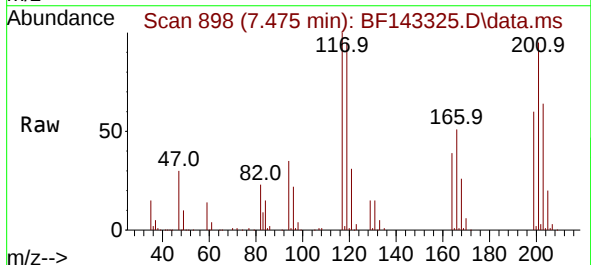


Tgt Ion:	107	Resp:	244285
Ion	Ratio	Lower	Upper
107	100		
108	114.5	91.8	137.6
77	46.5	37.0	55.6
79	47.0	36.9	55.3



#18
Hexachloroethane
Concen: 43.887 ng
RT: 7.475 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

Tgt Ion:	117	Resp:	116651
Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.8	116.8
201	94.5	77.0	115.4

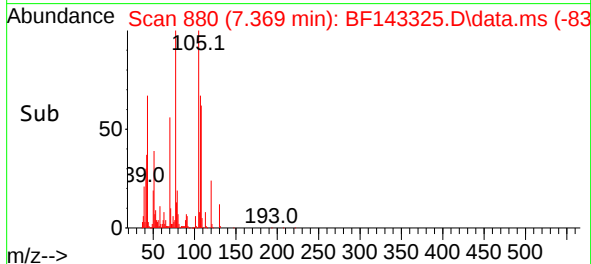
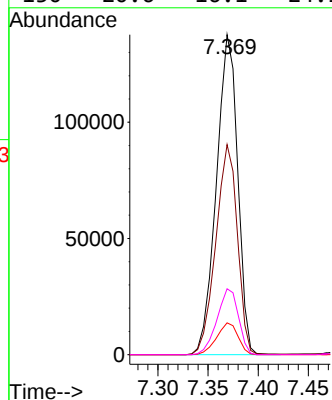
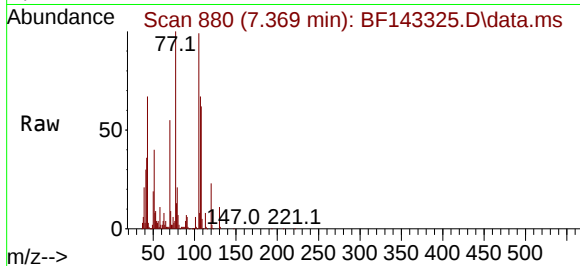




#19
n-Nitroso-di-n-propylamine
Concen: 37.599 ng
RT: 7.369 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

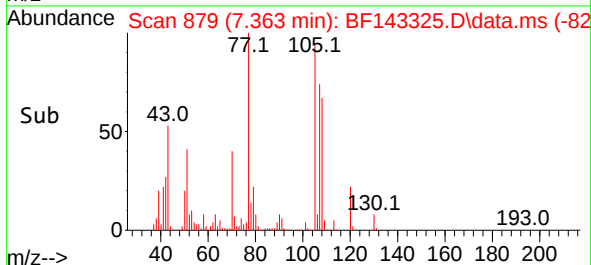
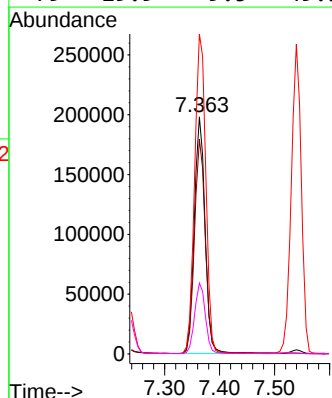
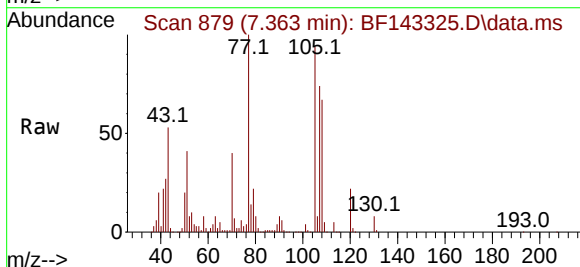
Instrument :
BNA_F
ClientSampleId :
PB169119BS

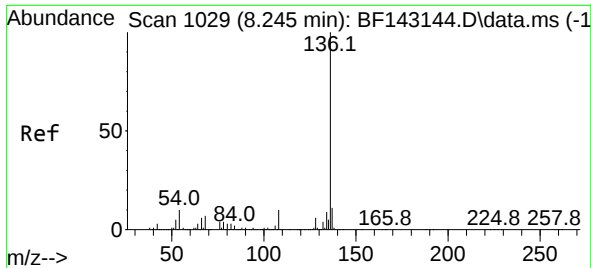
Tgt Ion:	70	Resp:	203294
Ion	Ratio	Lower	Upper
70	100		
42	65.6	52.5	78.7
101	9.9	7.6	11.4
130	20.6	16.1	24.1



#20
3+4-Methylphenols
Concen: 37.655 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

Tgt Ion:	107	Resp:	269592
Ion	Ratio	Lower	Upper
107	100		
108	90.5	70.0	110.0
77	135.0	57.8	97.8#
79	29.9	9.5	49.5



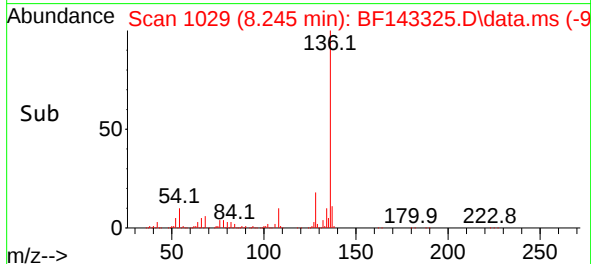
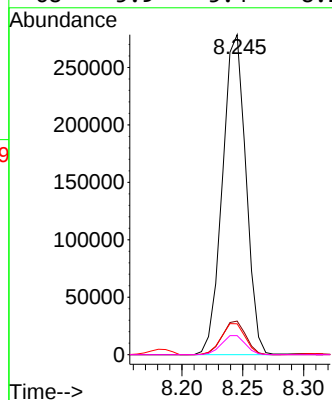
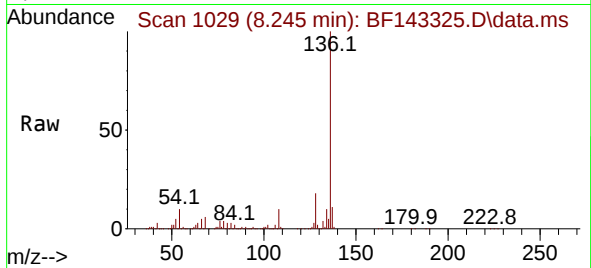


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

Instrument :
BNA_F
ClientSampleId :
PB169119BS

Tgt Ion:136 Resp: 373007

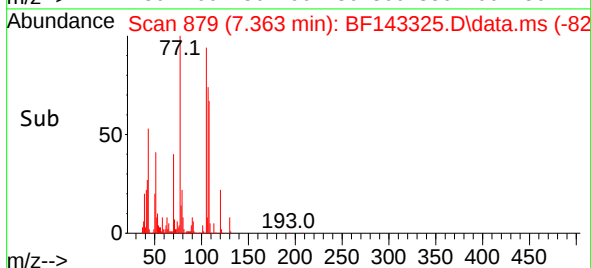
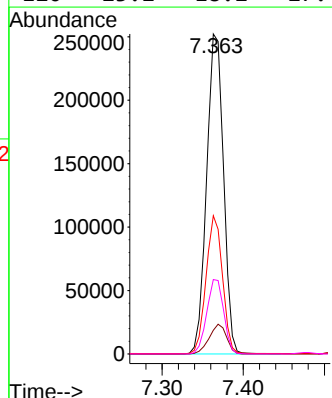
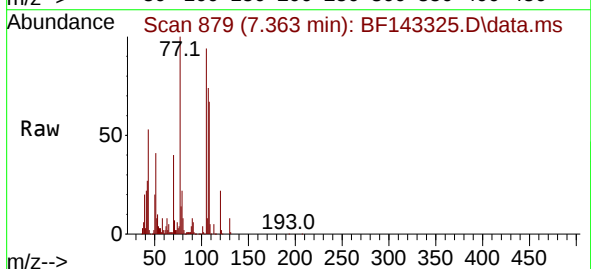
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	13.0
54	9.7	8.2	12.2
68	5.9	5.4	8.2



#22
Acetophenone
Concen: 41.293 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.006 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

Tgt Ion:105 Resp: 364661

Ion	Ratio	Lower	Upper
105	100		
71	7.4	5.8	8.6
51	43.2	30.2	45.2
120	23.2	18.2	27.4





#23

Nitrobenzene-d5

Concen: 89.364 ng

RT: 7.522 min Scan# 90

Delta R.T. 0.000 min

Lab File: BF143325.D

Acq: 06 Aug 2025 12:34

Instrument :

BNA_F

ClientSampleId :

PB169119BS

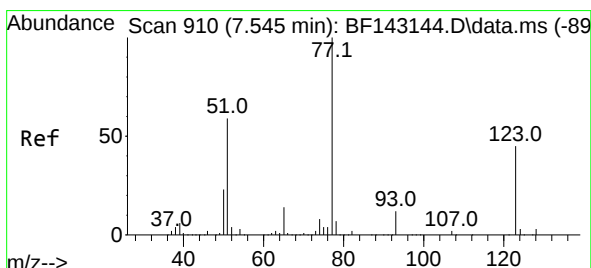
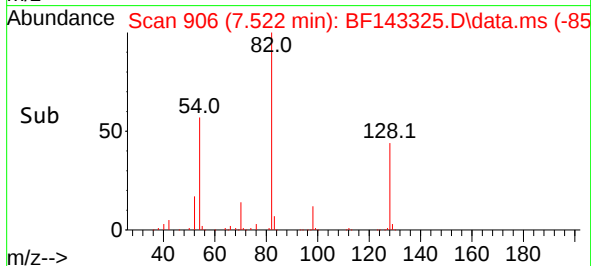
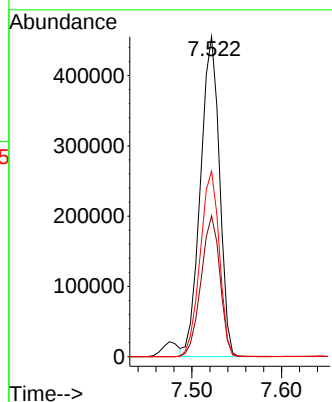
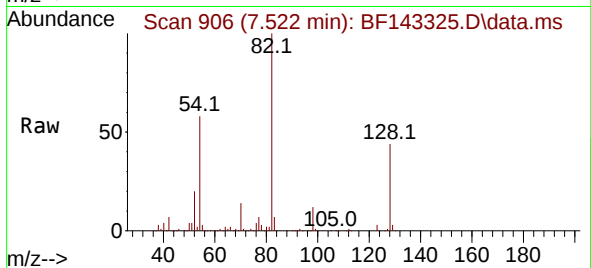
Tgt Ion: 82 Resp: 668712

Ion Ratio Lower Upper

82 100

128 44.0 33.6 50.4

54 58.0 47.1 70.7



#24

Nitrobenzene

Concen: 46.785 ng

RT: 7.540 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF143325.D

Acq: 06 Aug 2025 12:34

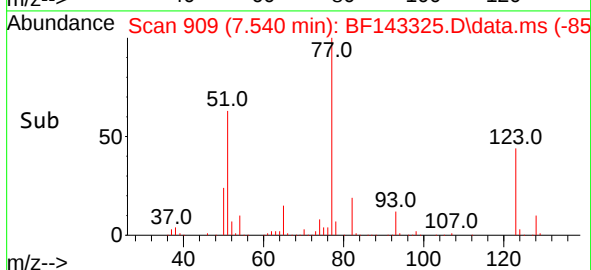
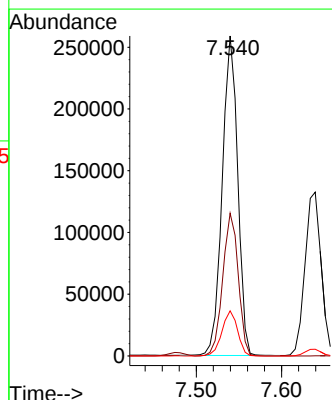
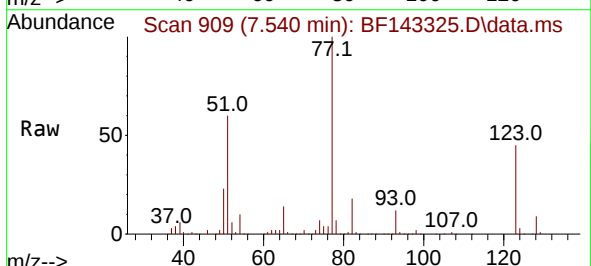
Tgt Ion: 77 Resp: 326396

Ion Ratio Lower Upper

77 100

123 44.6 36.1 54.1

65 14.1 11.4 17.2

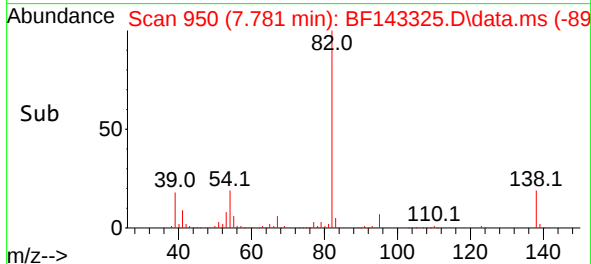
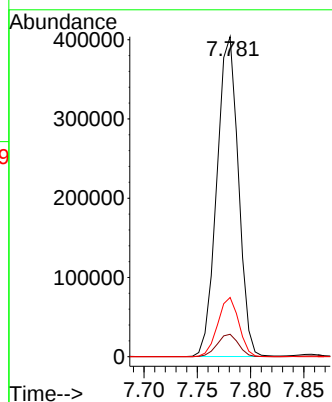
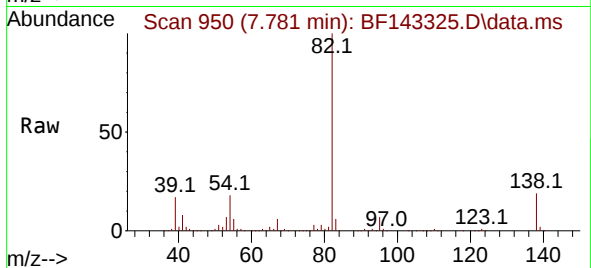




#25
Isophorone
Concen: 42.898 ng
RT: 7.781 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

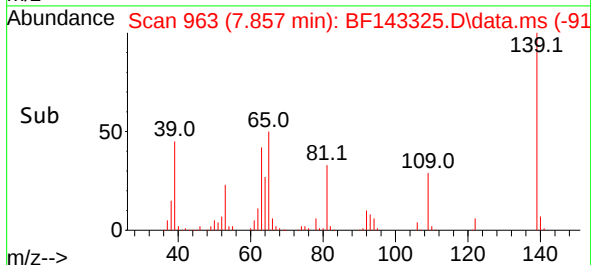
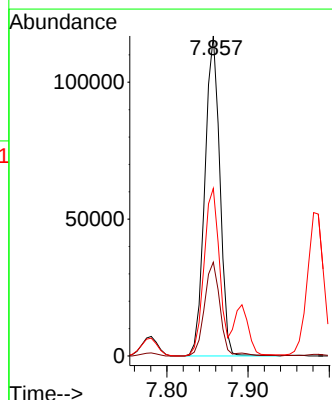
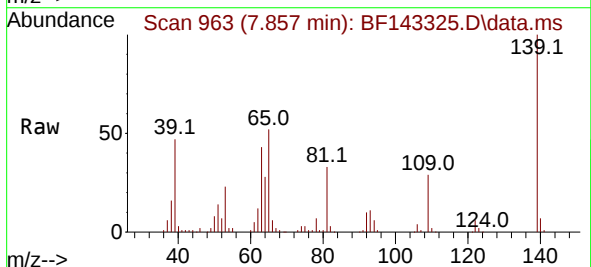
Instrument :
BNA_F
ClientSampleId :
PB169119BS

Tgt Ion: 82 Resp: 566676
Ion Ratio Lower Upper
82 100
95 7.0 5.5 8.3
138 18.5 13.8 20.8



#26
2-Nitrophenol
Concen: 49.594 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

Tgt Ion:139 Resp: 150160
Ion Ratio Lower Upper
139 100
109 29.3 23.6 35.4
65 52.3 42.6 64.0

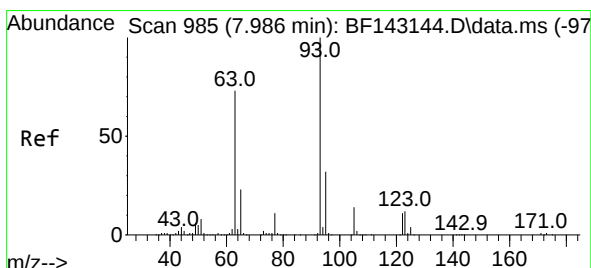
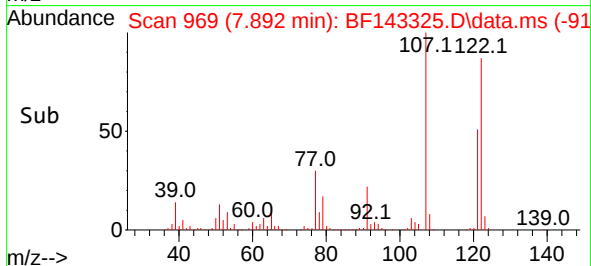
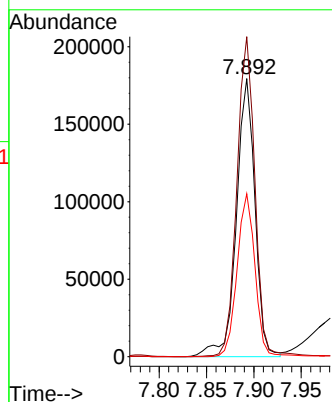
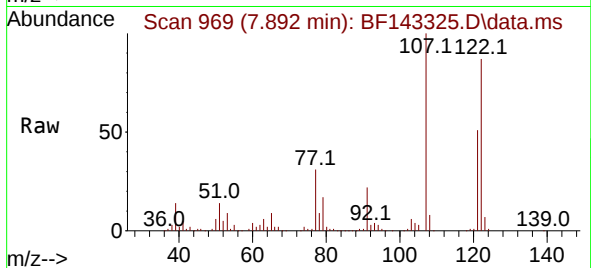




#27
2,4-Dimethylphenol
Concen: 39.590 ng
RT: 7.892 min Scan# 968
Delta R.T. 0.006 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

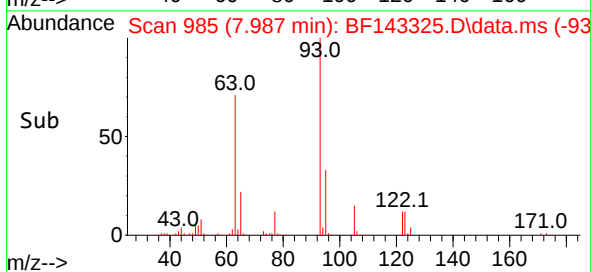
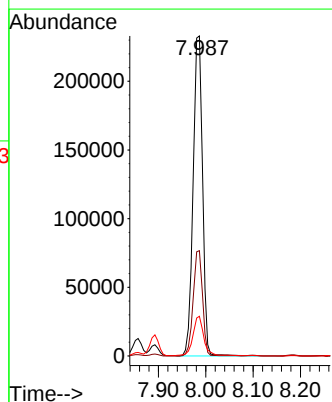
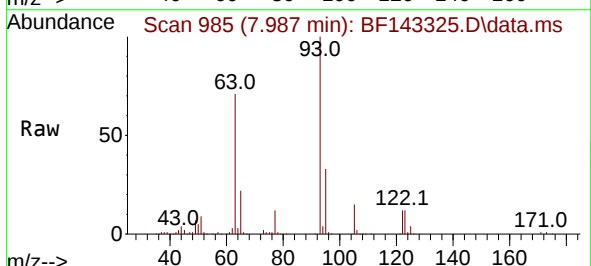
Instrument :
BNA_F
ClientSampleId :
PB169119BS

Tgt Ion:122 Resp: 244344
Ion Ratio Lower Upper
122 100
107 115.0 91.8 137.6
121 58.6 46.3 69.5



#28
bis(2-Chloroethoxy)methane
Concen: 40.697 ng
RT: 7.987 min Scan# 985
Delta R.T. 0.000 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

Tgt Ion: 93 Resp: 322333
Ion Ratio Lower Upper
93 100
95 32.9 25.8 38.6
123 12.4 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 41.505 ng

RT: 8.098 min Scan# 1004

Delta R.T. 0.000 min

Lab File: BF143325.D

Acq: 06 Aug 2025 12:34

Instrument :

BNA_F

ClientSampleId :

PB169119BS

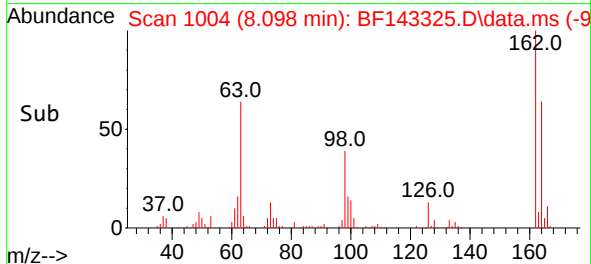
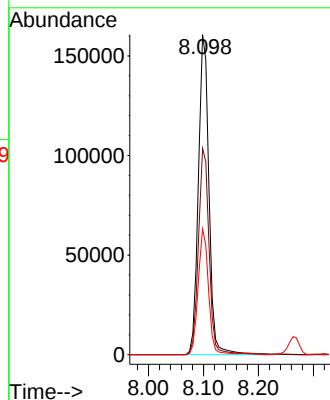
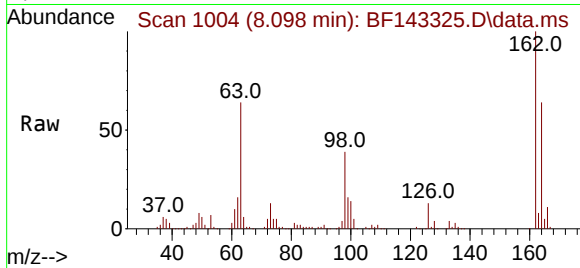
Tgt Ion:162 Resp: 216028

Ion Ratio Lower Upper

162 100

164 64.5 44.2 84.2

98 39.3 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 42.172 ng

RT: 8.187 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF143325.D

Acq: 06 Aug 2025 12:34

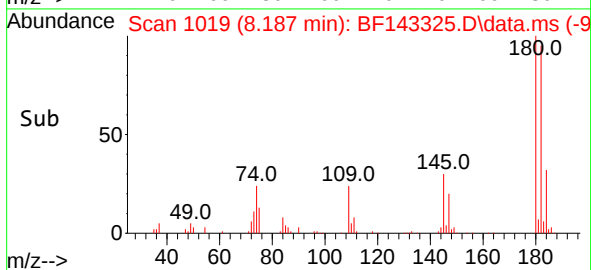
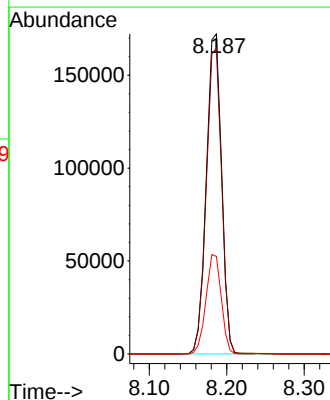
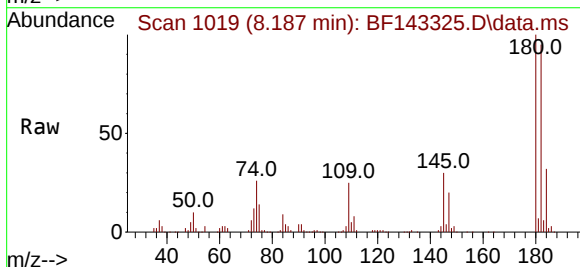
Tgt Ion:180 Resp: 237139

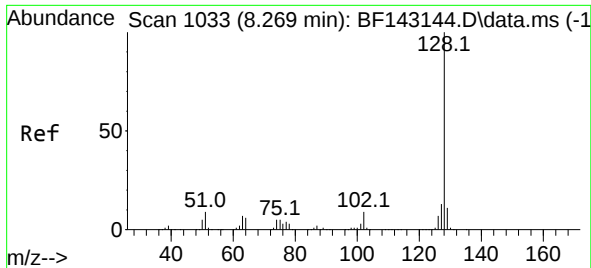
Ion Ratio Lower Upper

180 100

182 95.4 76.2 114.2

145 30.5 25.0 37.6

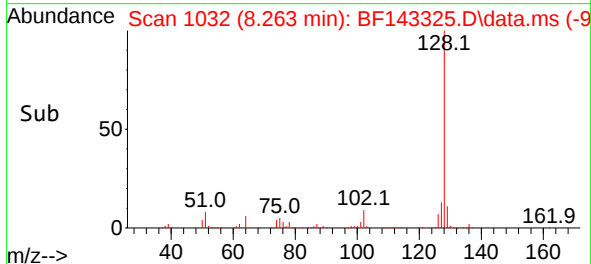
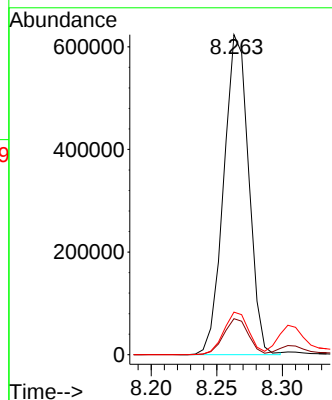
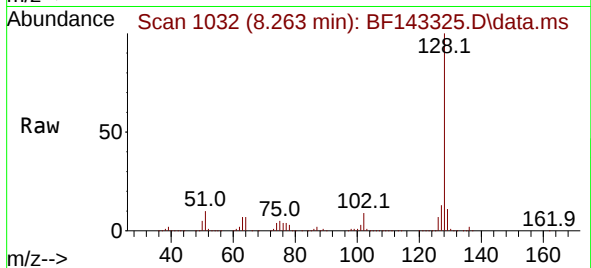




#31
Naphthalene
Concen: 44.857 ng
RT: 8.263 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

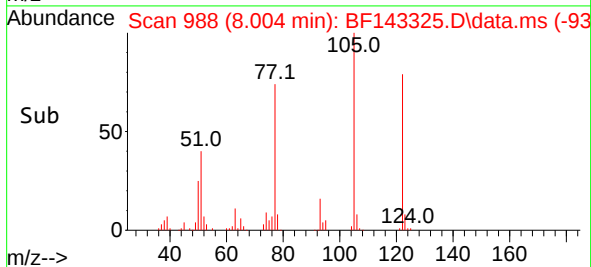
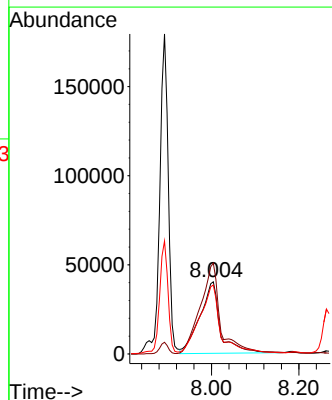
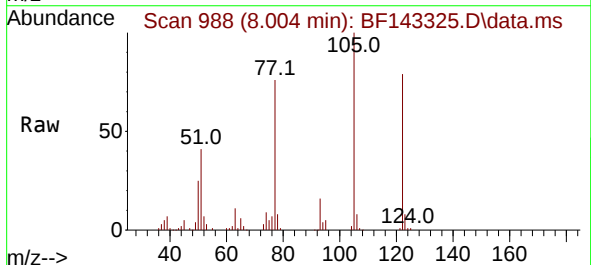
Instrument :
BNA_F
ClientSampleId :
PB169119BS

Tgt Ion:128 Resp: 824028
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.4
127 13.3 10.6 16.0



#32
Benzoic acid
Concen: 38.572 ng
RT: 8.004 min Scan# 988
Delta R.T. 0.012 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

Tgt Ion:122 Resp: 130137
Ion Ratio Lower Upper
122 100
105 125.9 104.8 144.8
77 95.6 77.6 117.6

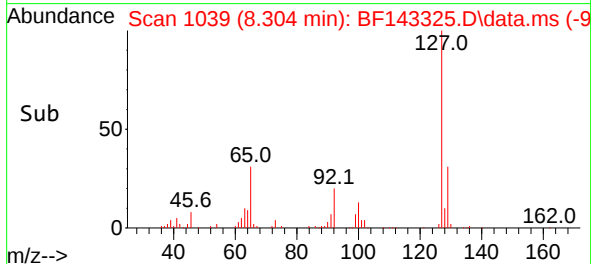
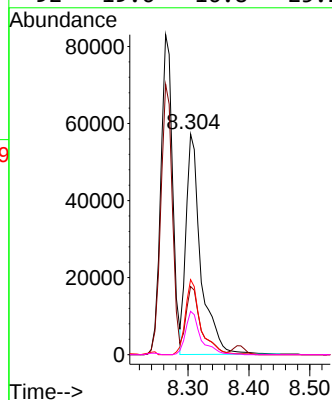
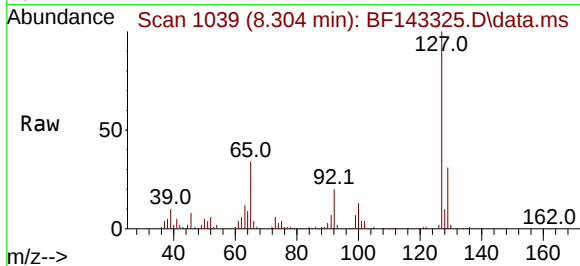




#33
4-Chloroaniline
Concen: 12.907 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

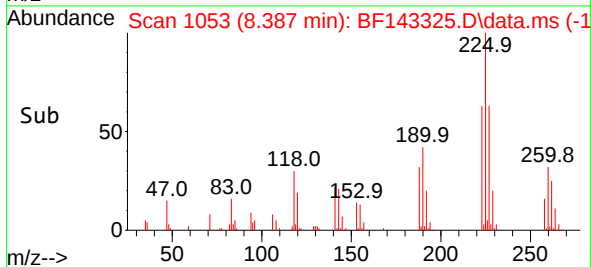
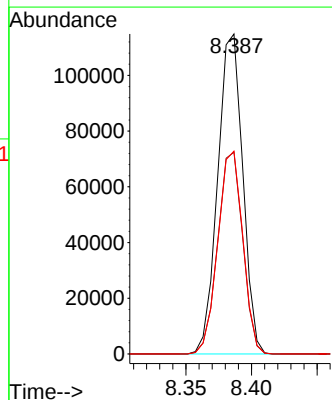
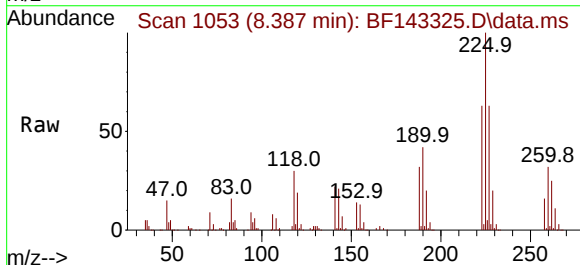
Instrument :
BNA_F
ClientSampleId :
PB169119BS

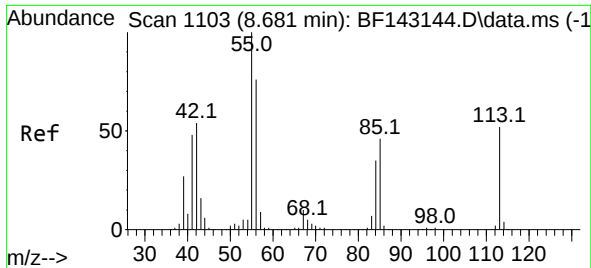
Tgt Ion:	127	Resp:	96813
Ion Ratio	Lower	Upper	
127	100		
129	30.9	26.0	39.0
65	34.0	27.4	41.2
92	19.6	16.8	25.2



#34
Hexachlorobutadiene
Concen: 44.351 ng
RT: 8.387 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

Tgt Ion:	225	Resp:	152346
Ion Ratio	Lower	Upper	
225	100		
223	63.0	49.8	74.6
227	63.4	50.2	75.4

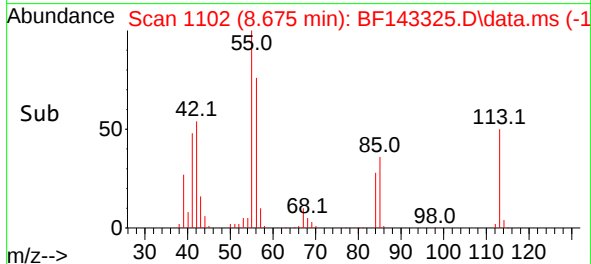
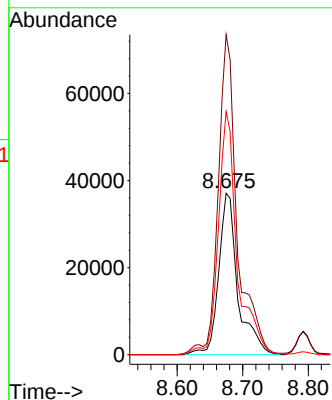
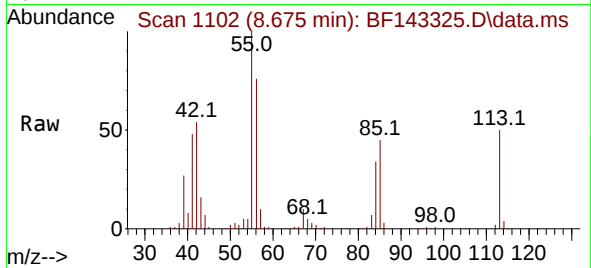




#35
 Caprolactam
 Concen: 47.752 ng
 RT: 8.675 min Scan# 1103
 Delta R.T. -0.006 min
 Lab File: BF143325.D
 Acq: 06 Aug 2025 12:34

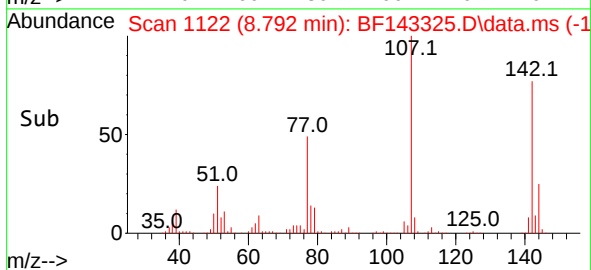
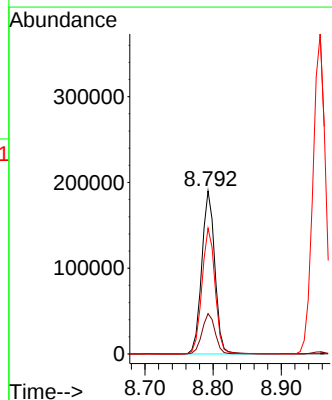
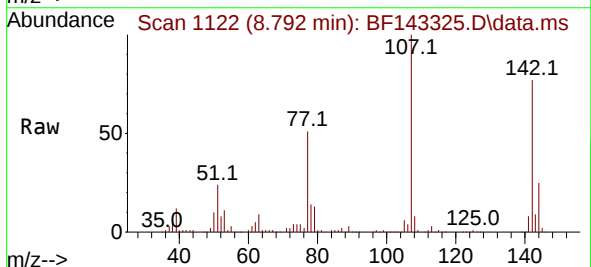
Instrument :
 BNA_F
 ClientSampleId :
 PB169119BS

Tgt Ion:113 Resp: 75106
 Ion Ratio Lower Upper
 113 100
 55 198.2 174.0 214.0
 56 150.5 126.6 166.6



#36
 4-Chloro-3-methylphenol
 Concen: 44.956 ng
 RT: 8.792 min Scan# 1122
 Delta R.T. 0.012 min
 Lab File: BF143325.D
 Acq: 06 Aug 2025 12:34

Tgt Ion:107 Resp: 254328
 Ion Ratio Lower Upper
 107 100
 144 24.8 19.8 29.6
 142 77.1 60.6 90.8

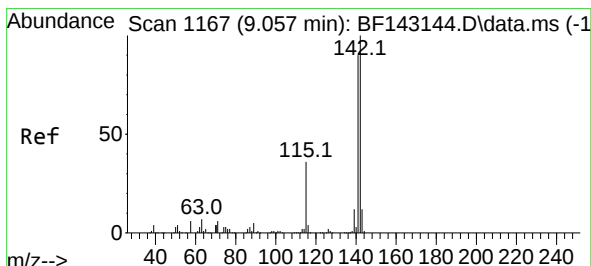
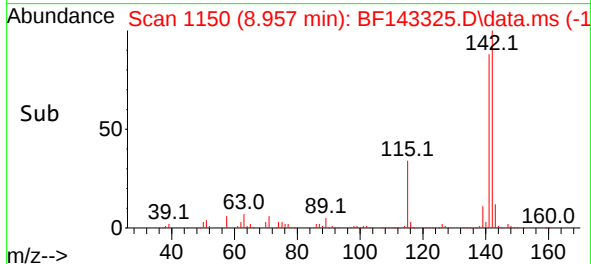
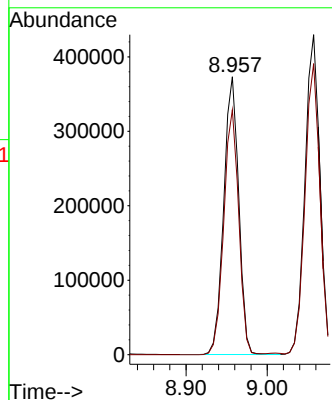
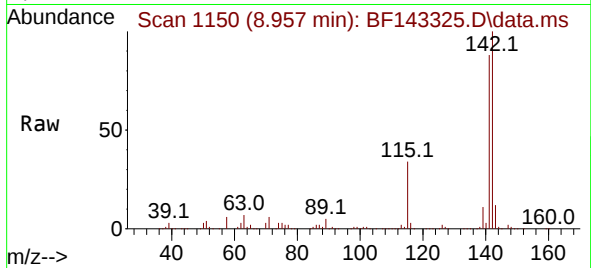




#37
2-Methylnaphthalene
Concen: 42.860 ng
RT: 8.957 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

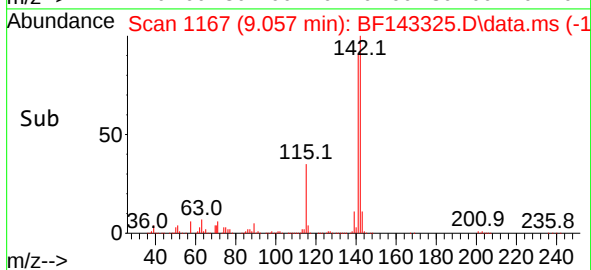
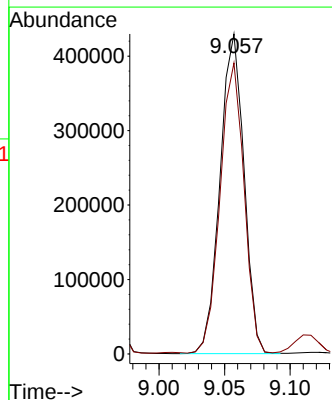
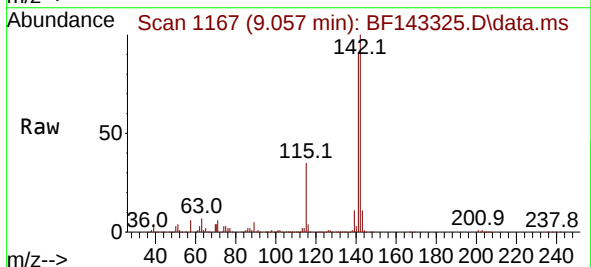
Instrument :
BNA_F
ClientSampleId :
PB169119BS

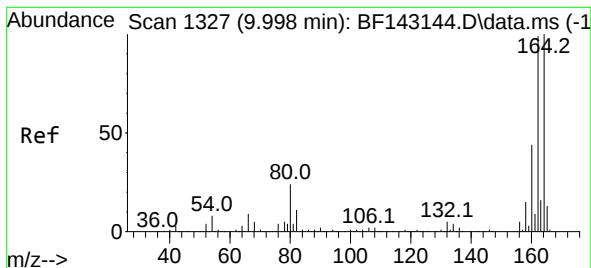
Tgt Ion:142 Resp: 479108
Ion Ratio Lower Upper
142 100
141 88.1 69.9 104.9



#38
1-Methylnaphthalene
Concen: 47.462 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

Tgt Ion:142 Resp: 546344
Ion Ratio Lower Upper
142 100
141 90.9 72.3 108.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1179

Delta R.T. 0.000 min

Lab File: BF143325.D

Acq: 06 Aug 2025 12:34

Instrument :

BNA_F

ClientSampleId :

PB169119BS

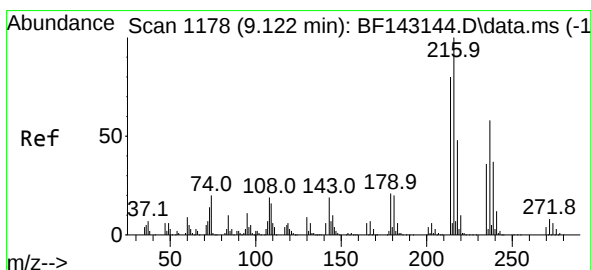
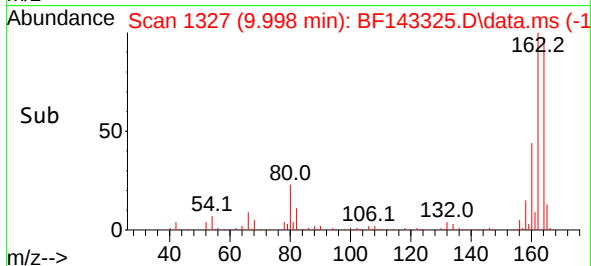
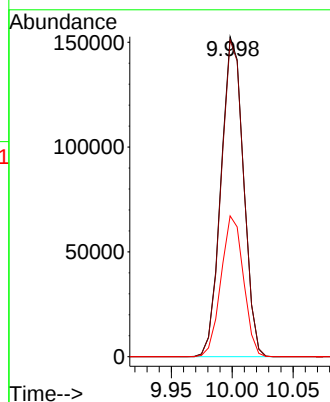
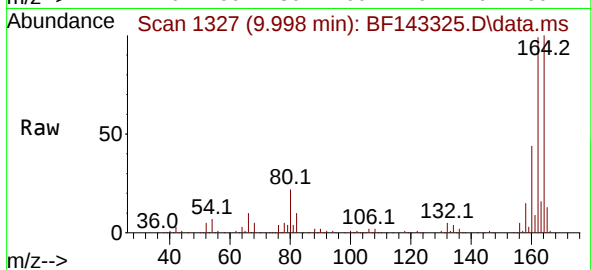
Tgt Ion:164 Resp: 195947

Ion Ratio Lower Upper

164 100

162 99.0 79.0 118.6

160 44.0 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 46.958 ng

RT: 9.128 min Scan# 1179

Delta R.T. 0.006 min

Lab File: BF143325.D

Acq: 06 Aug 2025 12:34

Tgt Ion:216 Resp: 265649

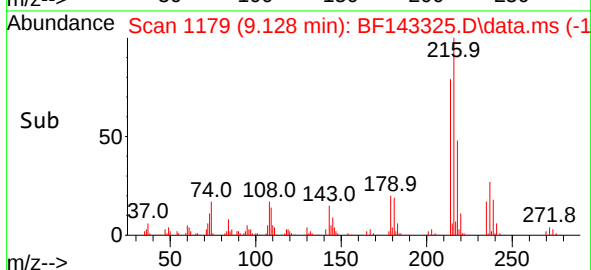
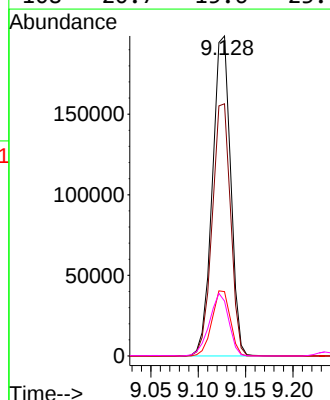
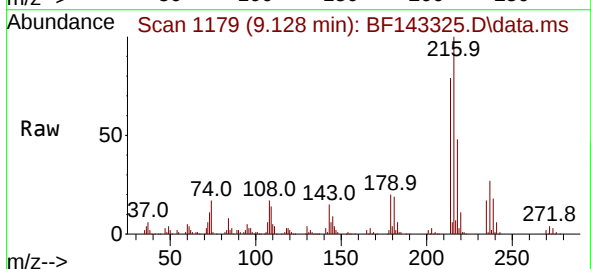
Ion Ratio Lower Upper

216 100

214 79.0 63.8 95.8

179 20.4 16.4 24.6

108 20.7 15.6 23.4

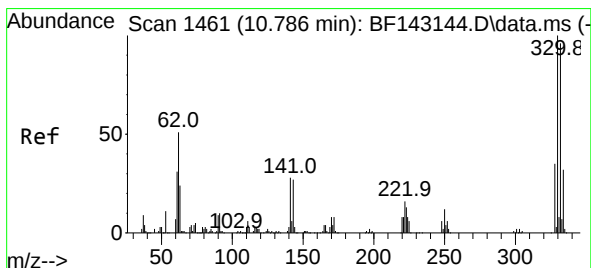
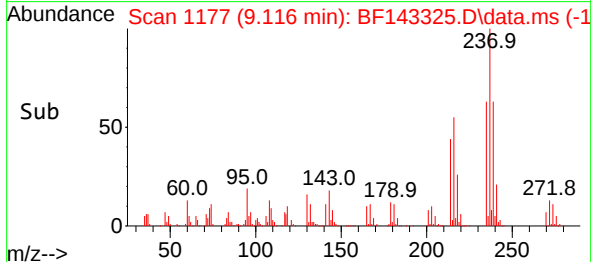
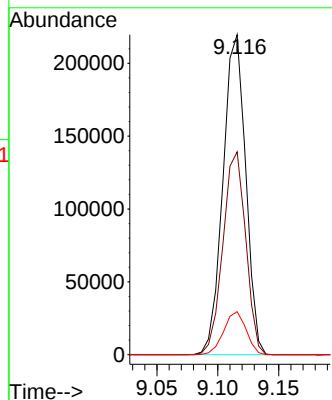
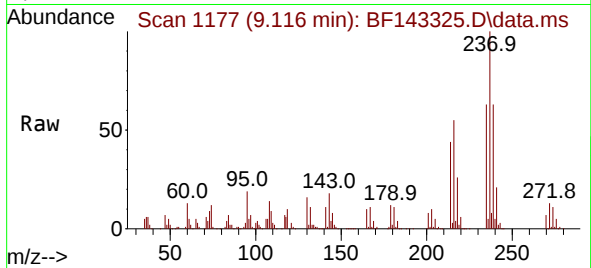




#41
Hexachlorocyclopentadiene
Concen: 77.495 ng
RT: 9.116 min Scan# 1177
Delta R.T. 0.000 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

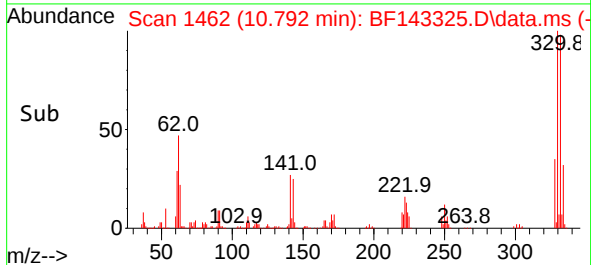
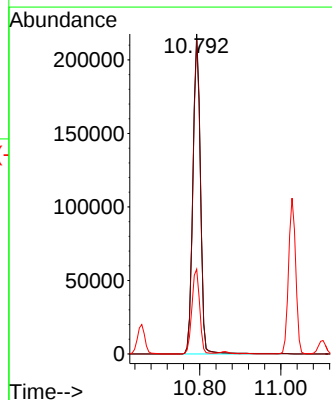
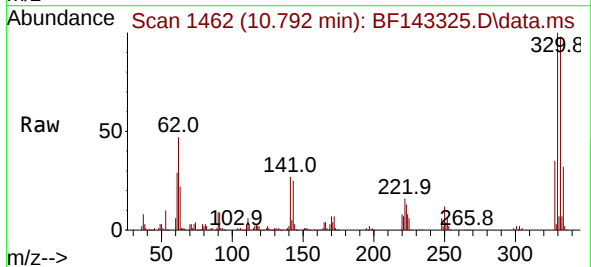
Instrument :
BNA_F
ClientSampleId :
PB169119BS

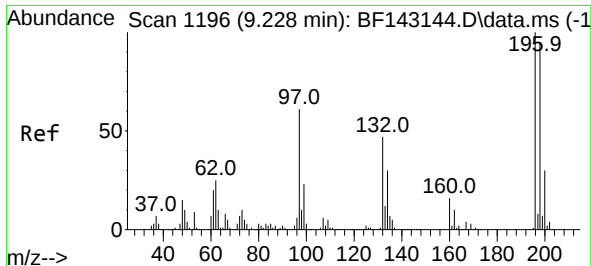
Tgt Ion:237 Resp: 285256
Ion Ratio Lower Upper
237 100
235 63.4 43.0 83.0
272 13.4 0.0 33.3



#42
2,4,6-Tribromophenol
Concen: 138.894 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.006 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

Tgt Ion:330 Resp: 281155
Ion Ratio Lower Upper
330 100
332 97.1 76.7 115.1
141 27.3 23.3 34.9

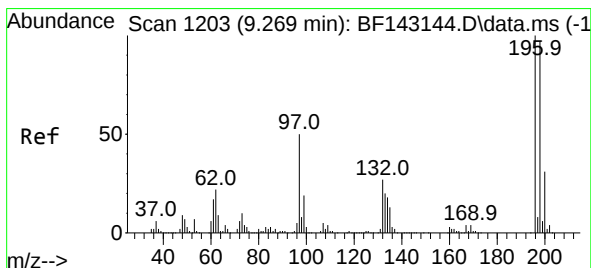
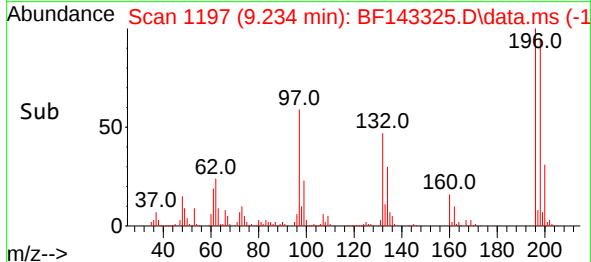
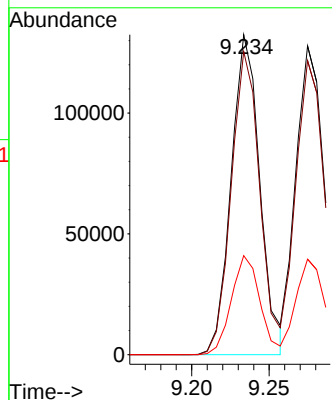
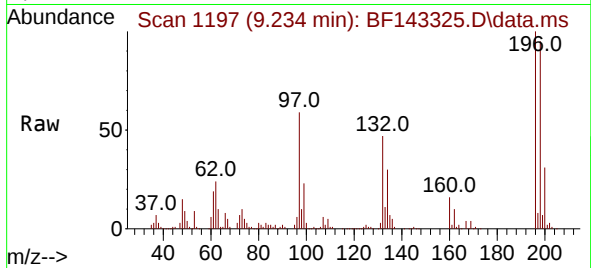




#43
2,4,6-Trichlorophenol
Concen: 43.537 ng
RT: 9.234 min Scan# 1196
Delta R.T. 0.006 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

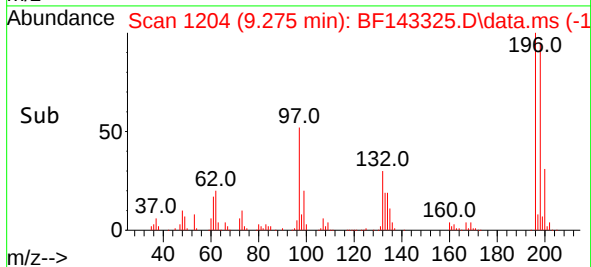
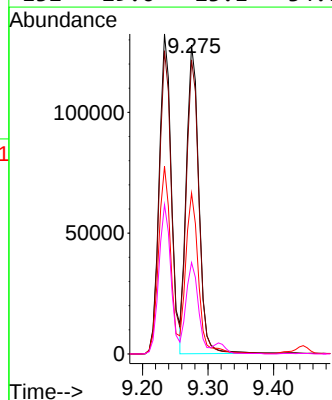
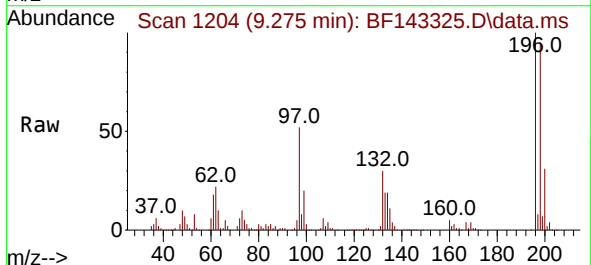
Instrument :
BNA_F
ClientSampleId :
PB169119BS

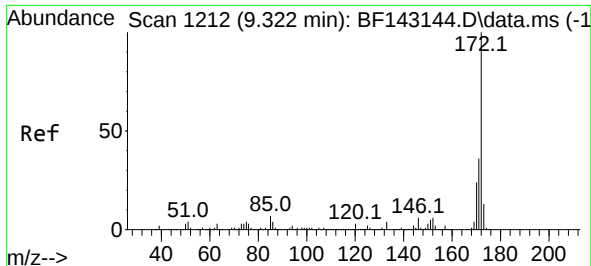
Tgt Ion:196 Resp: 170460
Ion Ratio Lower Upper
196 100
198 94.8 76.2 114.2
200 30.9 23.9 35.9



#44
2,4,5-Trichlorophenol
Concen: 42.910 ng
RT: 9.275 min Scan# 1204
Delta R.T. 0.006 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

Tgt Ion:196 Resp: 168054
Ion Ratio Lower Upper
196 100
198 95.2 77.3 115.9
97 52.1 40.3 60.5
132 29.6 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 78.626 ng

RT: 9.316 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF143325.D

Acq: 06 Aug 2025 12:34

Instrument :

BNA_F

ClientSampleId :

PB169119BS

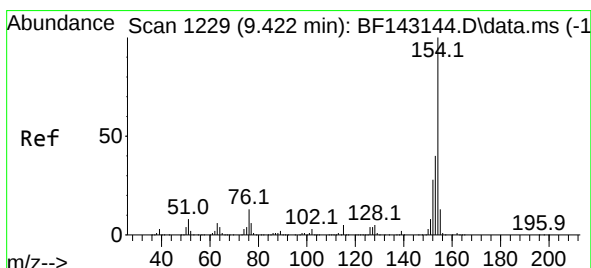
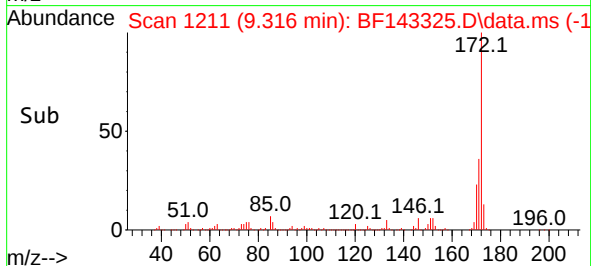
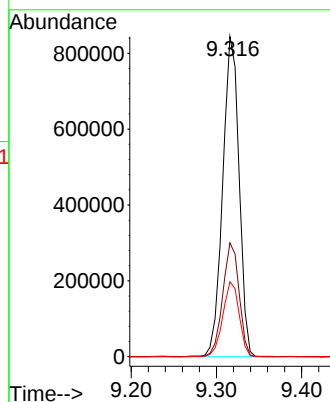
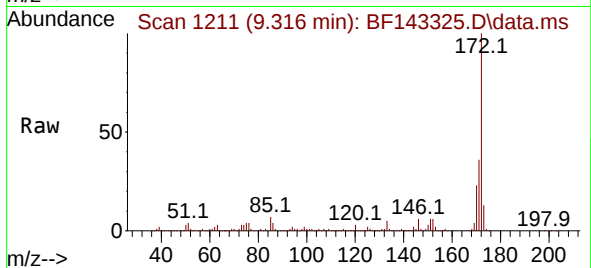
Tgt Ion:172 Resp: 1126518

Ion Ratio Lower Upper

172 100

171 35.5 28.6 42.8

170 23.4 18.8 28.2



#46

1,1'-Biphenyl

Concen: 42.255 ng

RT: 9.422 min Scan# 1229

Delta R.T. 0.000 min

Lab File: BF143325.D

Acq: 06 Aug 2025 12:34

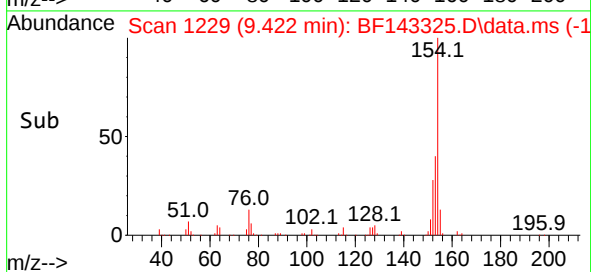
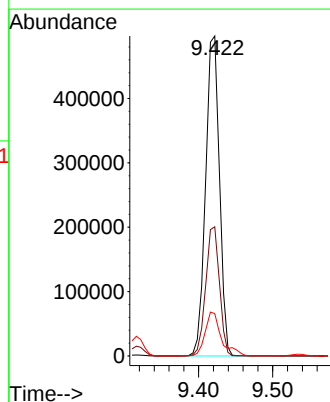
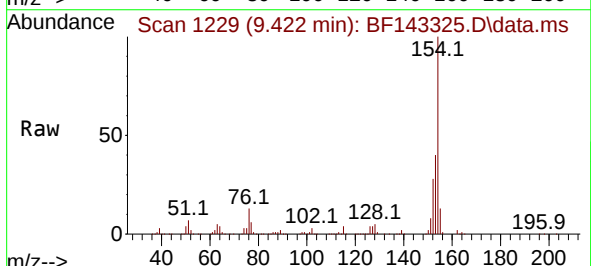
Tgt Ion:154 Resp: 645987

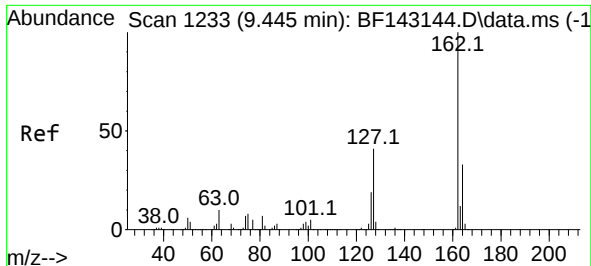
Ion Ratio Lower Upper

154 100

153 40.4 20.3 60.3

76 13.3 0.0 33.3

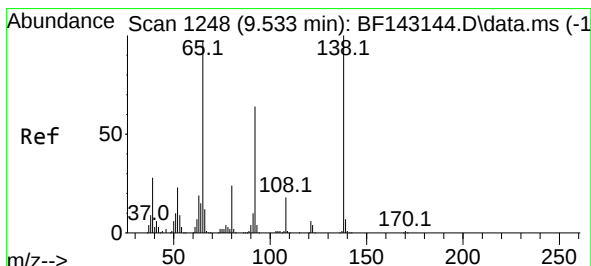
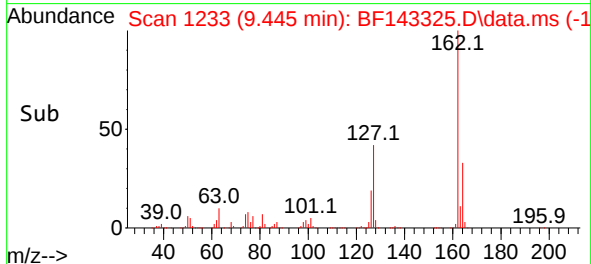
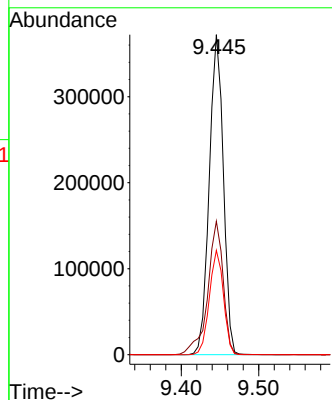
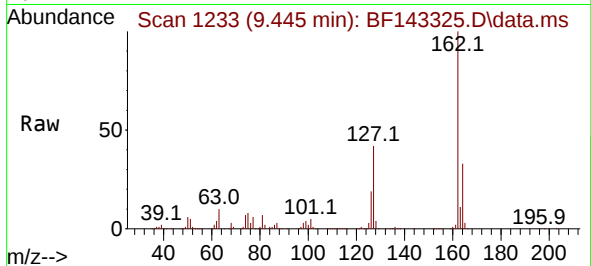




#47
2-Chloronaphthalene
Concen: 41.498 ng
RT: 9.445 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

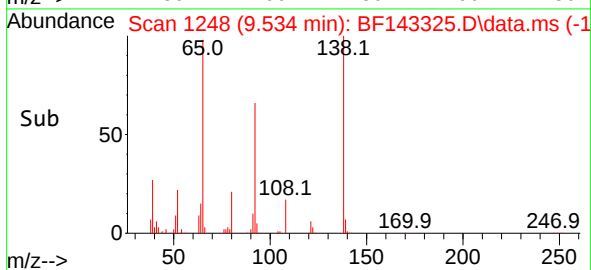
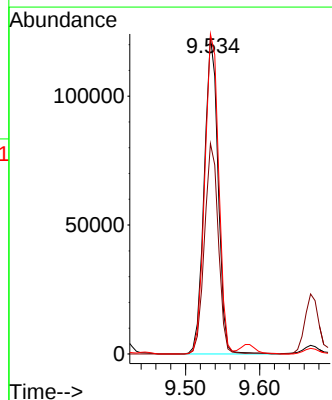
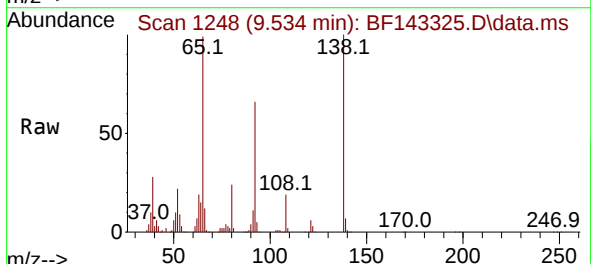
Instrument :
BNA_F
ClientSampleId :
PB169119BS

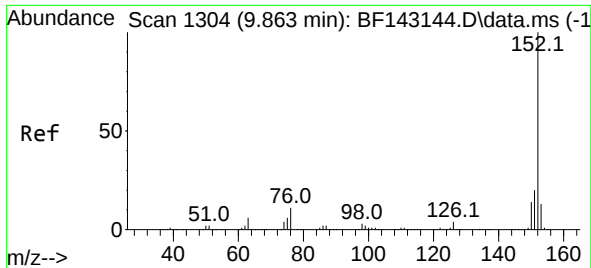
Tgt Ion:162 Resp: 469415
Ion Ratio Lower Upper
162 100
127 41.7 33.4 50.2
164 32.6 26.2 39.2



#48
2-Nitroaniline
Concen: 45.152 ng
RT: 9.534 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

Tgt Ion: 65 Resp: 160171
Ion Ratio Lower Upper
65 100
92 66.4 52.4 78.6
138 100.9 82.3 123.5

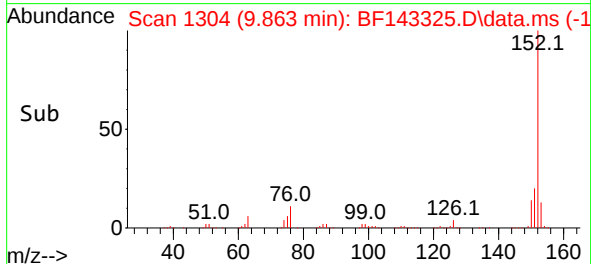
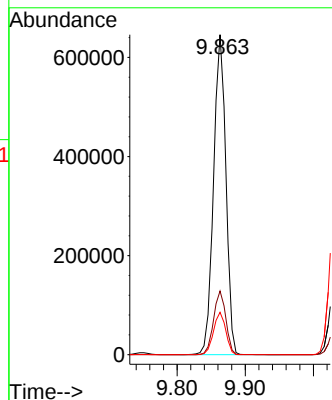
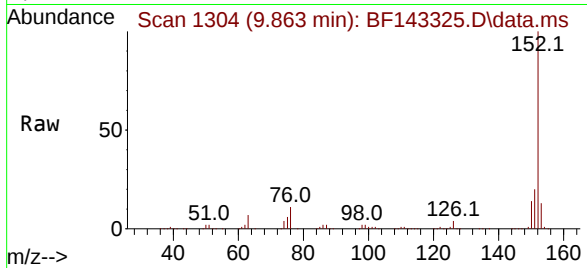




#49
Acenaphthylene
Concen: 42.892 ng
RT: 9.863 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

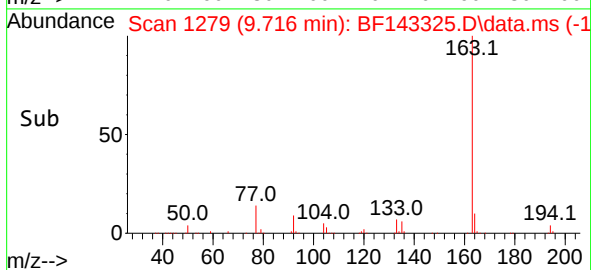
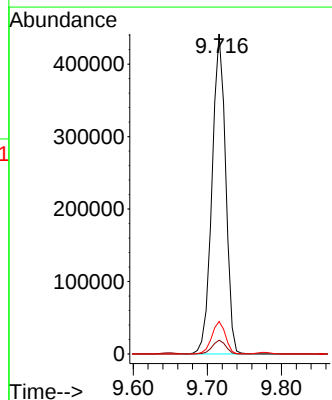
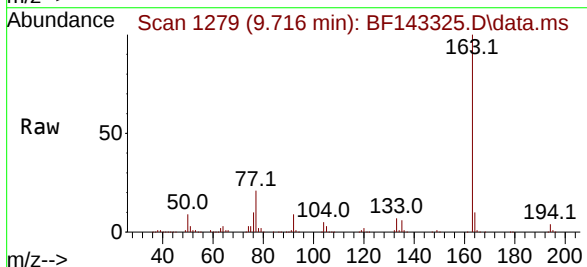
Instrument :
BNA_F
ClientSampleId :
PB169119BS

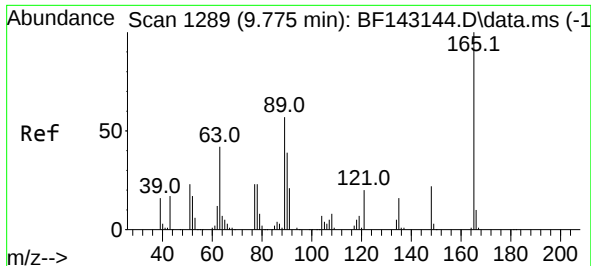
Tgt Ion:152 Resp: 813101
Ion Ratio Lower Upper
152 100
151 19.9 16.2 24.2
153 13.2 10.6 16.0



#50
Dimethylphthalate
Concen: 44.105 ng
RT: 9.716 min Scan# 1279
Delta R.T. 0.000 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

Tgt Ion:163 Resp: 563326
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.2
164 10.2 8.3 12.5

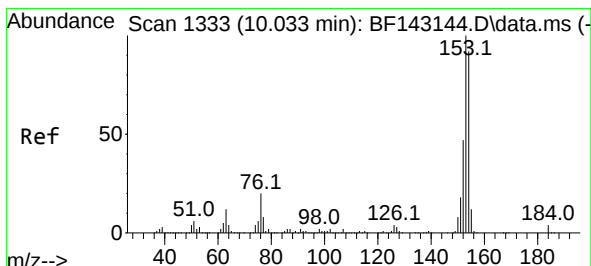
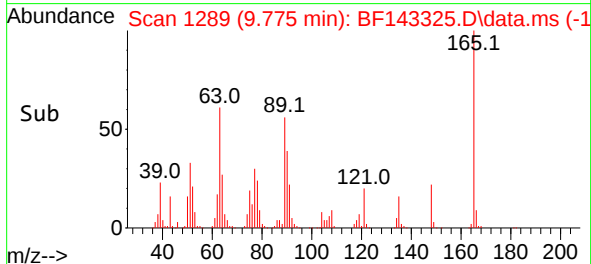
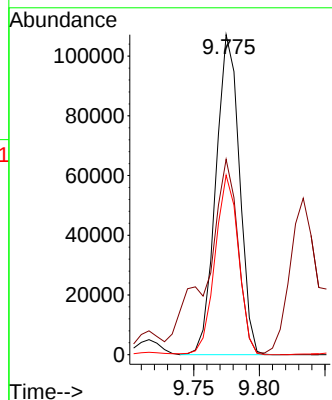
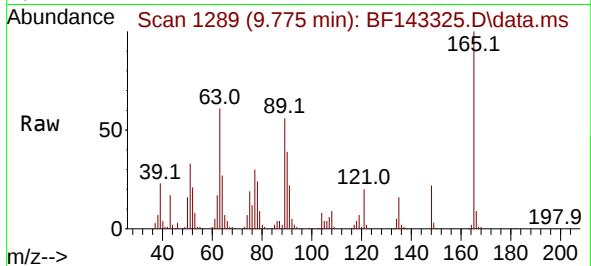




#51
2,6-Dinitrotoluene
Concen: 51.555 ng
RT: 9.775 min Scan# 1289
Delta R.T. 0.000 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

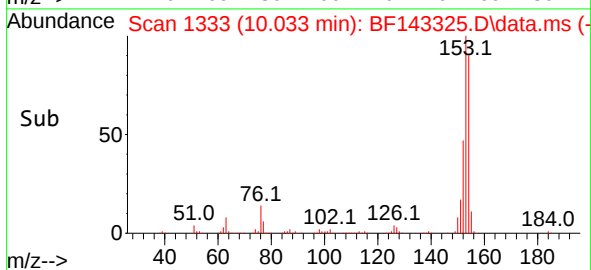
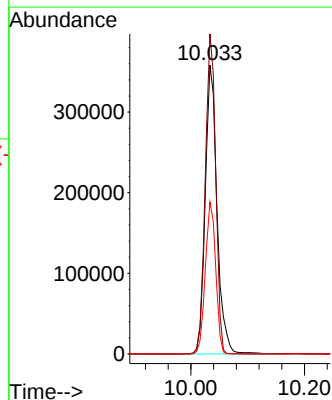
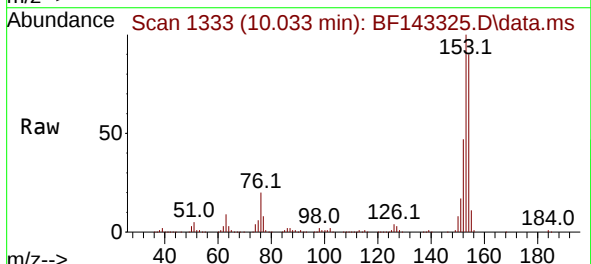
Instrument :
BNA_F
ClientSampleId :
PB169119BS

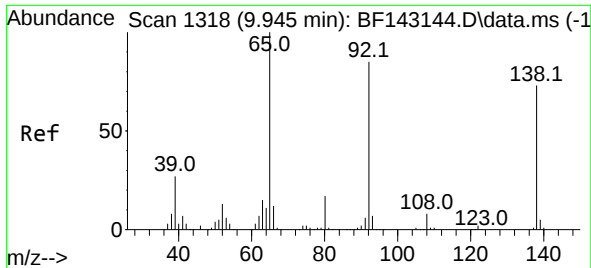
Tgt Ion:165 Resp: 133953
Ion Ratio Lower Upper
165 100
63 61.0 49.4 74.2
89 56.1 46.2 69.2



#52
Acenaphthene
Concen: 45.958 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

Tgt Ion:154 Resp: 514926
Ion Ratio Lower Upper
154 100
153 110.7 86.6 129.8
152 52.6 40.4 60.6

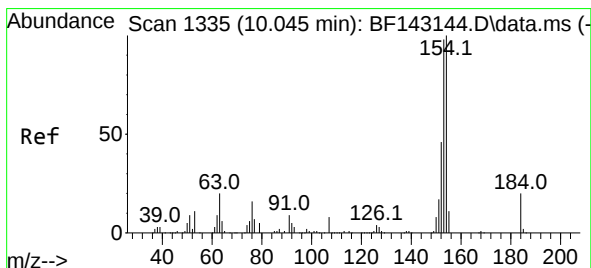
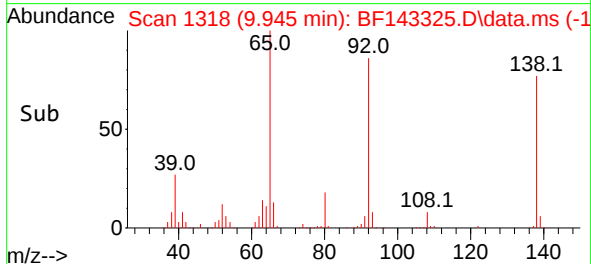
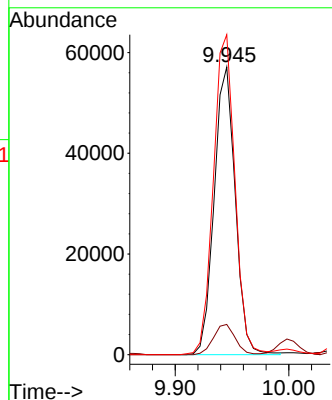
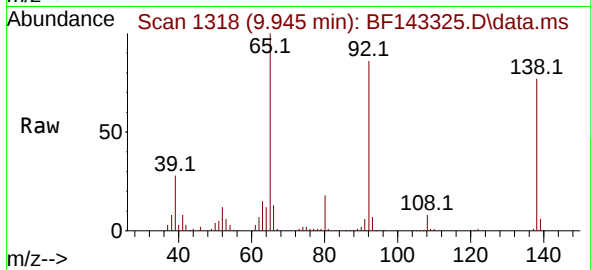




#53
3-Nitroaniline
Concen: 24.283 ng
RT: 9.945 min Scan# 1318
Delta R.T. 0.000 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

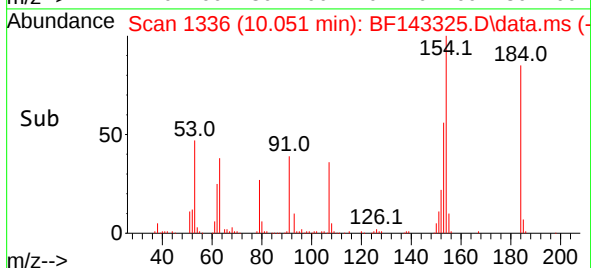
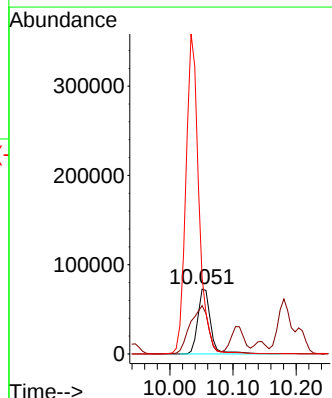
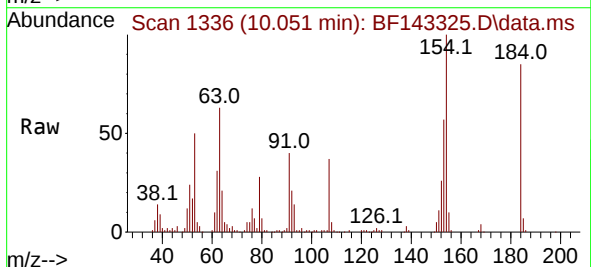
Instrument :
BNA_F
ClientSampleId :
PB169119BS

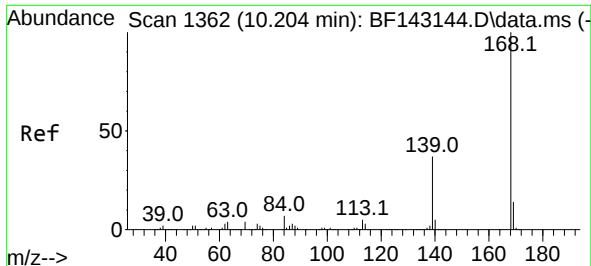
Tgt Ion:138 Resp: 73799
Ion Ratio Lower Upper
138 100
108 10.5 9.0 13.6
92 111.2 93.0 139.4



#54
2,4-Dinitrophenol
Concen: 87.288 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

Tgt Ion:184 Resp: 103570
Ion Ratio Lower Upper
184 100
63 74.4 81.8 122.6#
154 117.3 412.2 618.4#

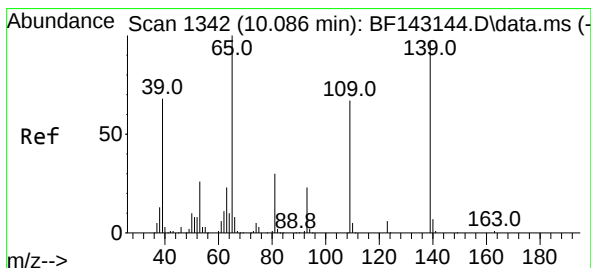
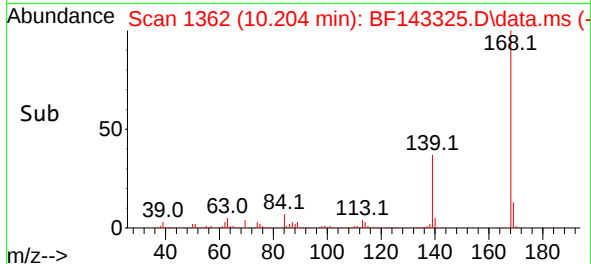
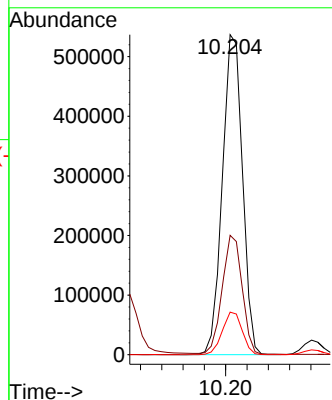
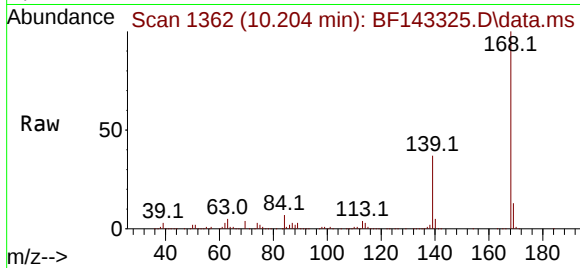




#55
Dibenzenofuran
Concen: 42.188 ng
RT: 10.204 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

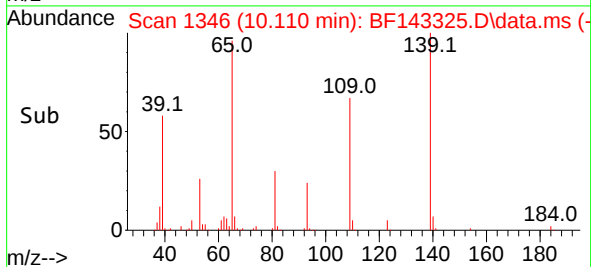
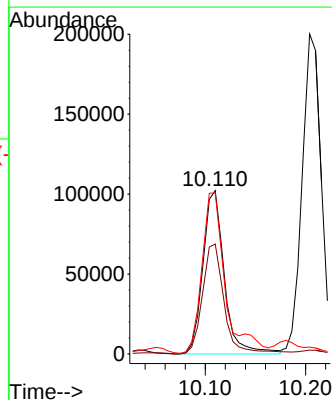
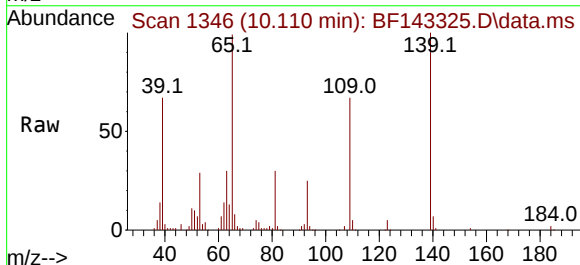
Instrument :
BNA_F
ClientSampleId :
PB169119BS

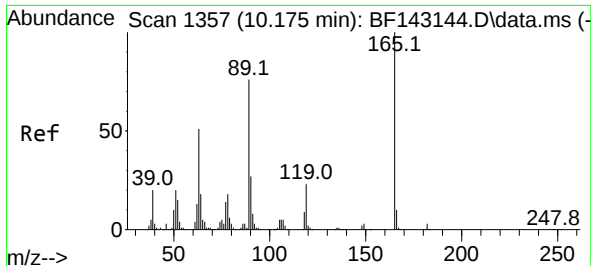
Tgt Ion:168 Resp: 701795
Ion Ratio Lower Upper
168 100
139 37.3 29.5 44.3
169 13.3 10.9 16.3



#56
4-Nitrophenol
Concen: 67.021 ng
RT: 10.110 min Scan# 1346
Delta R.T. 0.024 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

Tgt Ion:139 Resp: 152100
Ion Ratio Lower Upper
139 100
109 67.3 48.5 88.5
65 98.6 83.4 123.4

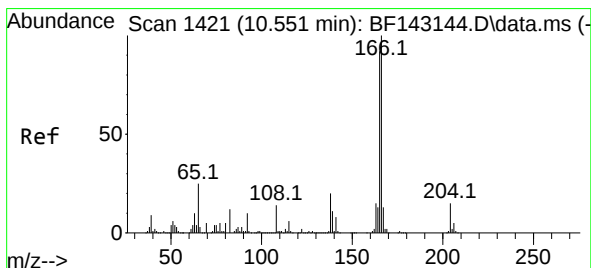
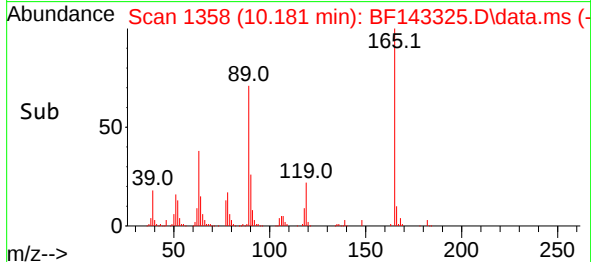
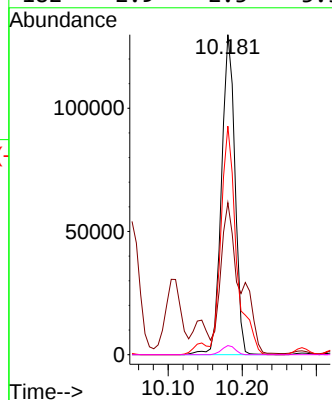
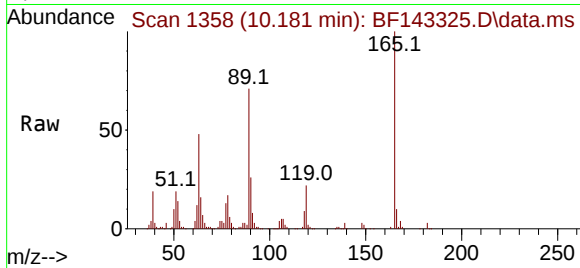




#57
2,4-Dinitrotoluene
Concen: 50.429 ng
RT: 10.181 min Scan# 1357
Delta R.T. 0.006 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

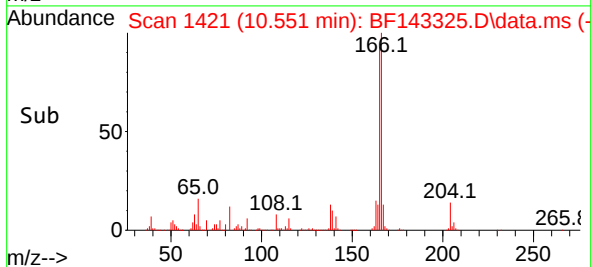
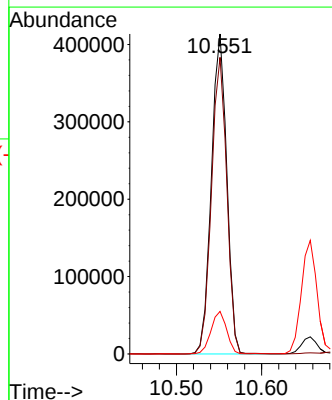
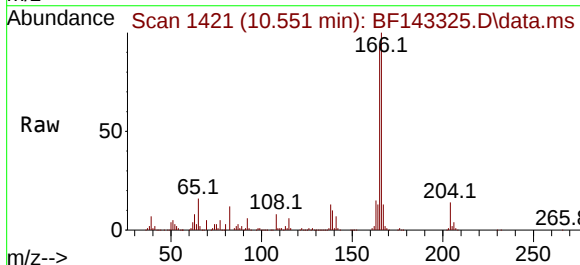
Instrument :
BNA_F
ClientSampleId :
PB169119BS

Tgt Ion:165	Resp:	164390
Ion Ratio	Lower	Upper
165	100	
63	47.5	41.0 61.4
89	71.4	61.1 91.7
182	2.9	2.3 3.5



#58
Fluorene
Concen: 41.564 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

Tgt Ion:166	Resp:	518926
Ion Ratio	Lower	Upper
166	100	
165	92.7	73.7 110.5
167	13.3	10.6 16.0

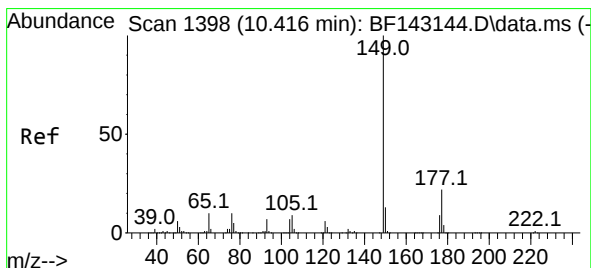
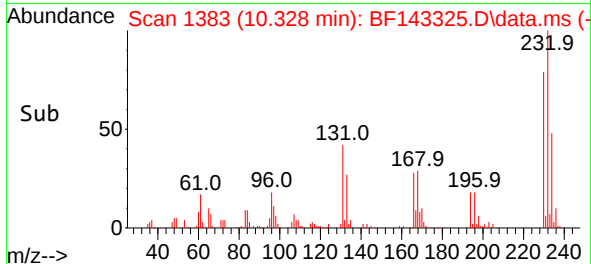
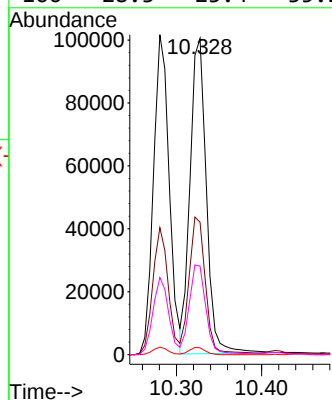
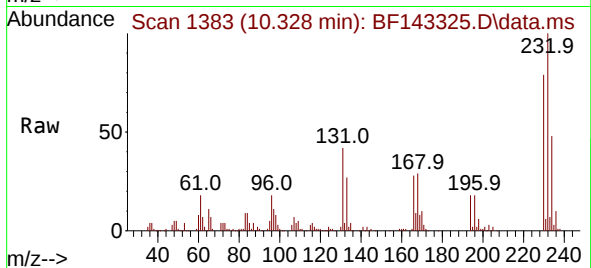




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.060 ng
RT: 10.328 min Scan# 1382
Delta R.T. 0.006 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

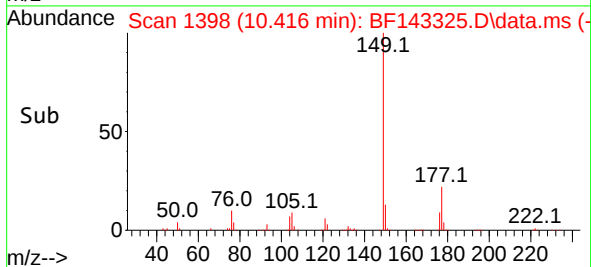
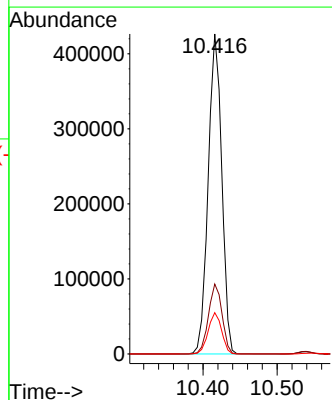
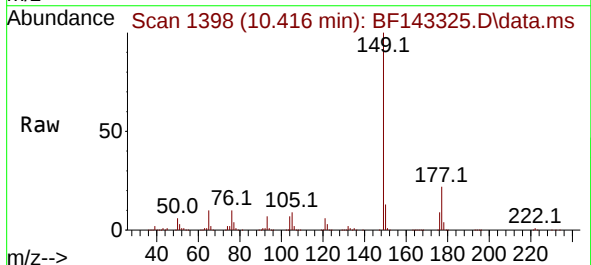
Instrument :
BNA_F
ClientSampleId :
PB169119BS

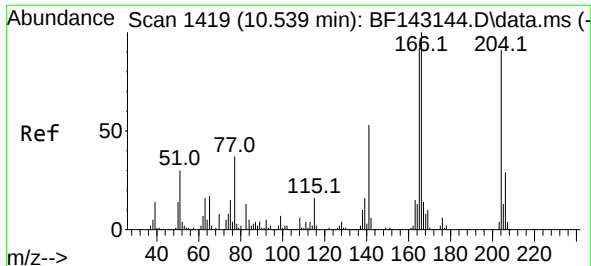
Tgt Ion:232 Resp: 133209
Ion Ratio Lower Upper
232 100
131 43.7 35.3 52.9
130 2.2 1.7 2.5
166 28.3 23.4 35.2



#60
Diethylphthalate
Concen: 42.973 ng
RT: 10.416 min Scan# 1398
Delta R.T. 0.000 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

Tgt Ion:149 Resp: 542507
Ion Ratio Lower Upper
149 100
177 21.8 17.5 26.3
150 12.9 10.2 15.2

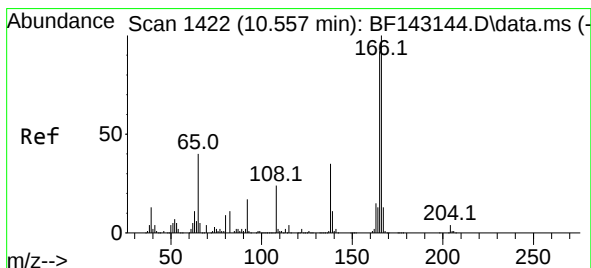
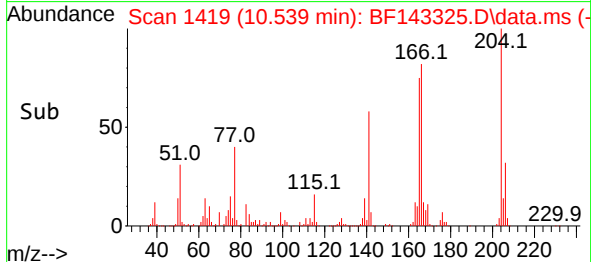
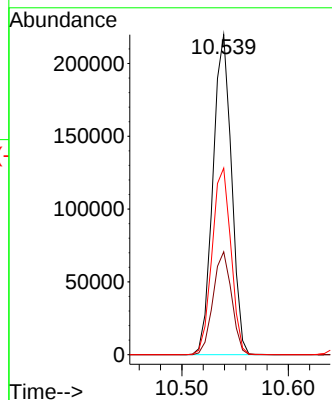
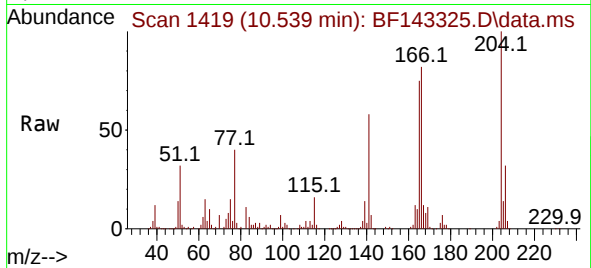




#61
4-Chlorophenyl-phenylether
Concen: 42.856 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

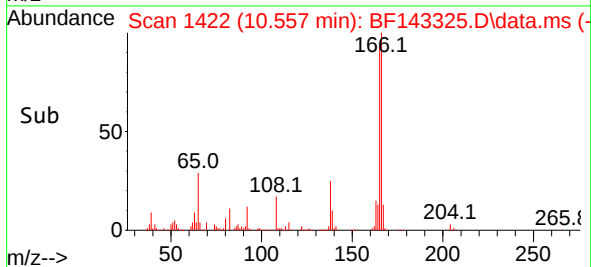
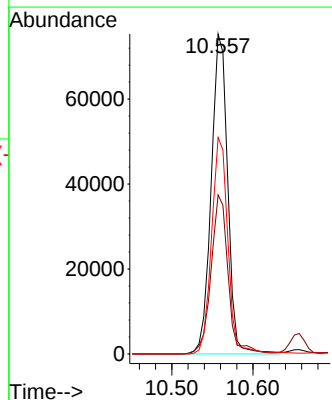
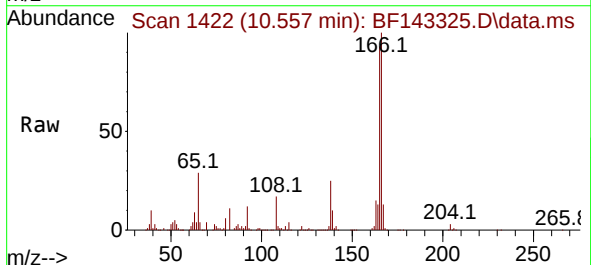
Instrument :
BNA_F
ClientSampleId :
PB169119BS

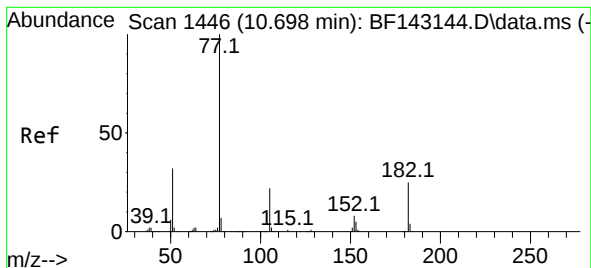
Tgt Ion:204 Resp: 266425
Ion Ratio Lower Upper
204 100
206 32.2 25.8 38.8
141 58.3 47.0 70.4



#62
4-Nitroaniline
Concen: 40.693 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

Tgt Ion:138 Resp: 105992
Ion Ratio Lower Upper
138 100
92 49.7 29.3 69.3
108 67.6 48.3 88.3





#63

Azobenzene

Concen: 47.392 ng

RT: 10.698 min Scan# 1446

Delta R.T. 0.000 min

Lab File: BF143325.D

Acq: 06 Aug 2025 12:34

Instrument :

BNA_F

ClientSampleId :

PB169119BS

Tgt Ion: 77 Resp: 623545

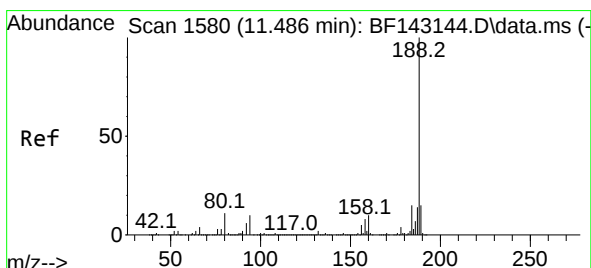
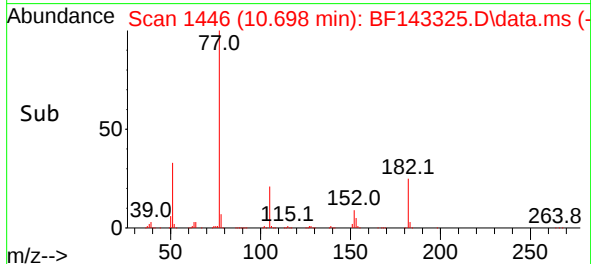
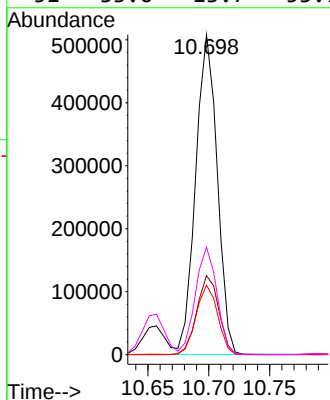
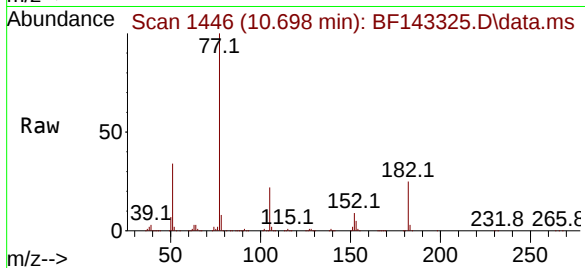
Ion Ratio Lower Upper

77 100

182 24.7 4.6 44.6

105 21.7 1.4 41.4

51 33.6 13.7 53.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.486 min Scan# 1580

Delta R.T. 0.000 min

Lab File: BF143325.D

Acq: 06 Aug 2025 12:34

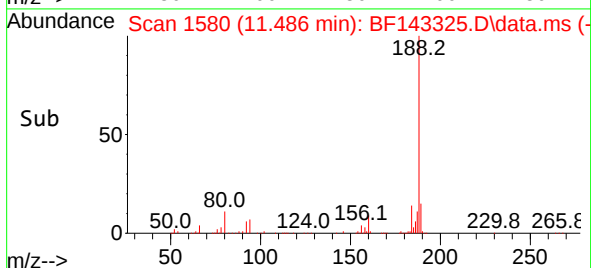
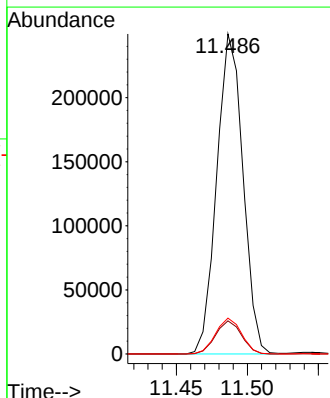
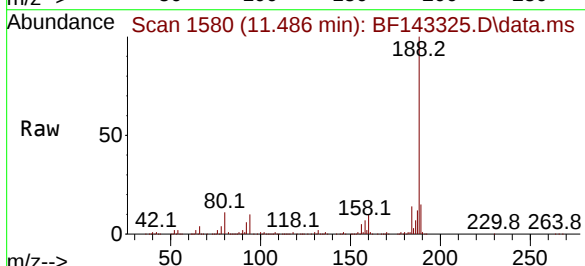
Tgt Ion: 188 Resp: 319800

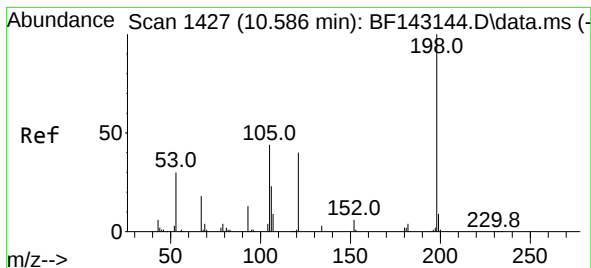
Ion Ratio Lower Upper

188 100

94 10.4 8.3 12.5

80 11.2 9.0 13.6

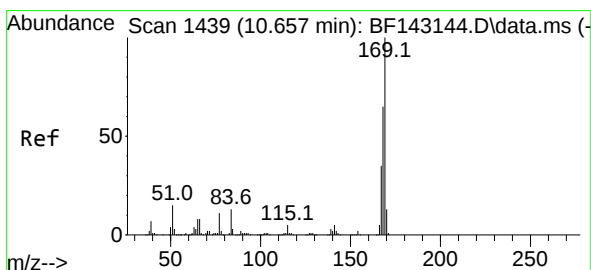
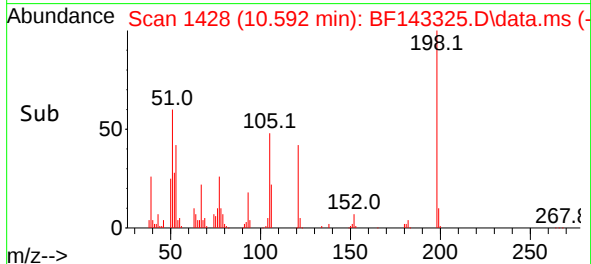
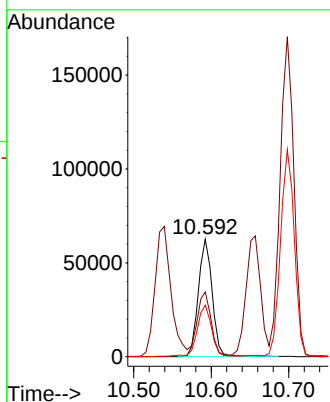
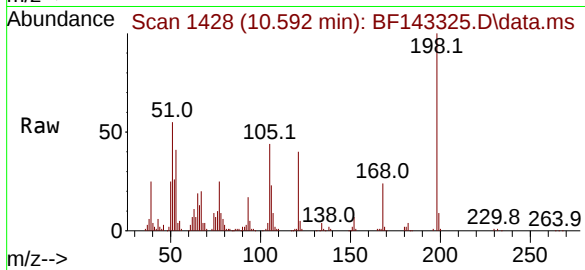




#65
4,6-Dinitro-2-methylphenol
Concen: 46.619 ng
RT: 10.592 min Scan# 1428
Delta R.T. 0.006 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

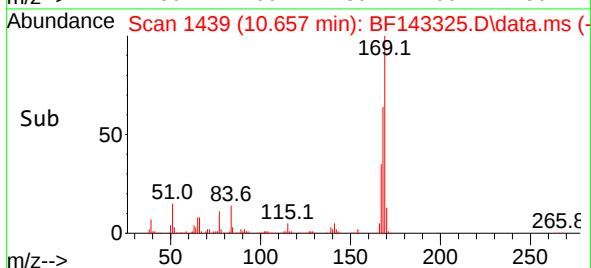
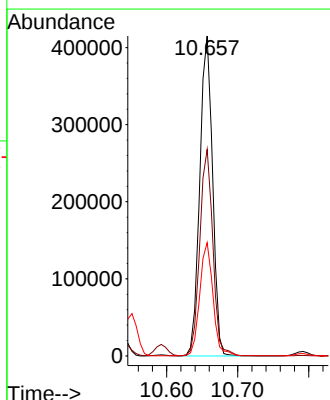
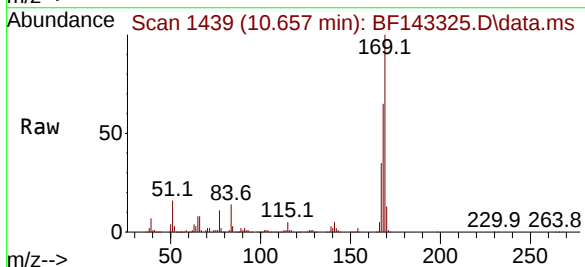
Instrument :
BNA_F
ClientSampleId :
PB169119BS

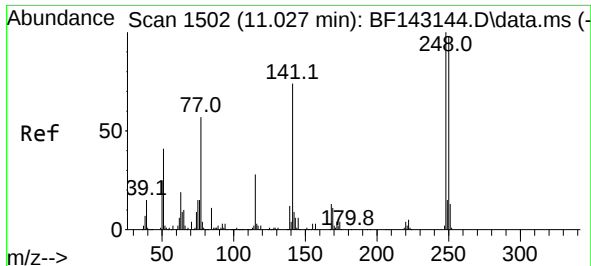
Tgt Ion:198 Resp: 77862
Ion Ratio Lower Upper
198 100
51 55.2 37.2 77.2
105 43.9 24.8 64.8



#66
n-Nitrosodiphenylamine
Concen: 46.298 ng
RT: 10.657 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

Tgt Ion:169 Resp: 521370
Ion Ratio Lower Upper
169 100
168 64.5 52.1 78.1
167 35.4 28.2 42.2

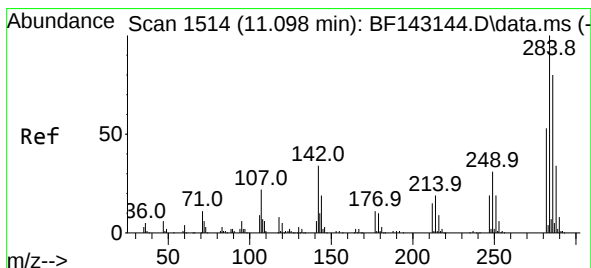
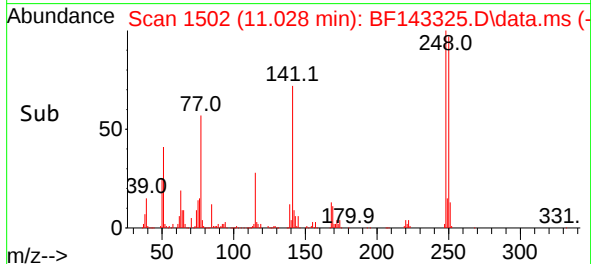
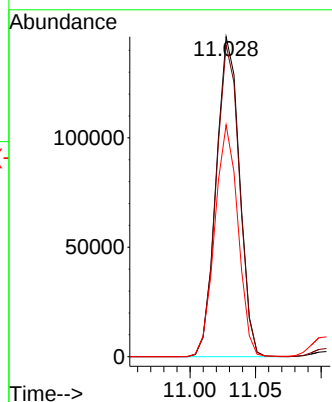
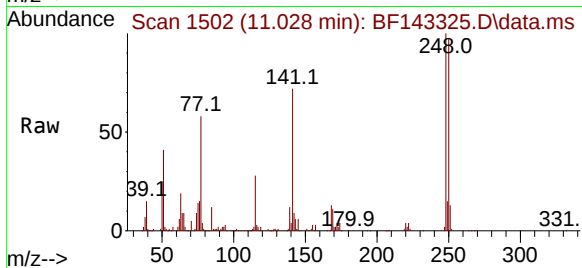




#67
4-Bromophenyl-phenylether
Concen: 47.560 ng
RT: 11.028 min Scan# 1111
Delta R.T. 0.000 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

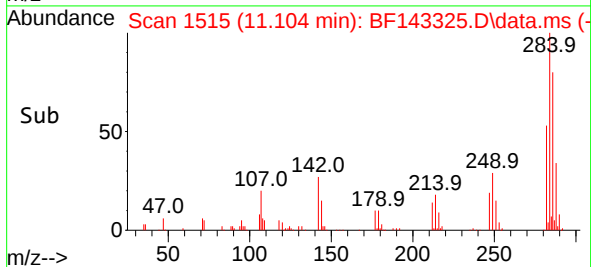
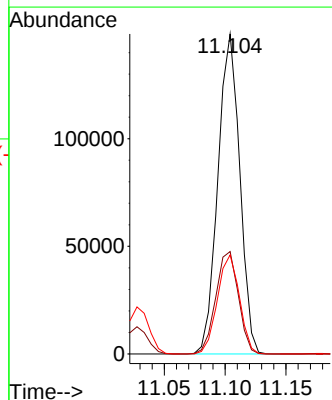
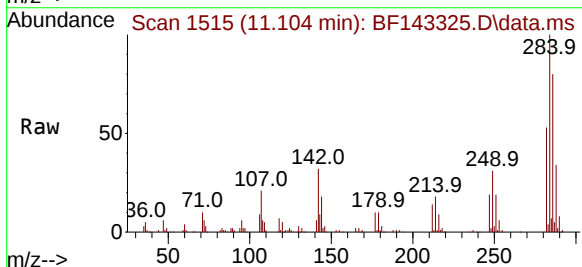
Instrument :
BNA_F
ClientSampleId :
PB169119BS

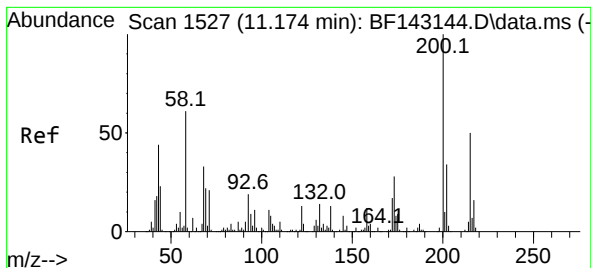
Tgt Ion:248 Resp: 181258
Ion Ratio Lower Upper
248 100
250 97.5 78.3 117.5
141 72.5 59.2 88.8



#68
Hexachlorobenzene
Concen: 46.647 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.006 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

Tgt Ion:284 Resp: 185818
Ion Ratio Lower Upper
284 100
142 32.0 27.0 40.6
249 31.0 25.0 37.6





#69

Atrazine

Concen: 51.520 ng

RT: 11.180 min Scan# 1527

Delta R.T. 0.006 min

Lab File: BF143325.D

Acq: 06 Aug 2025 12:34

Instrument :

BNA_F

ClientSampleId :

PB169119BS

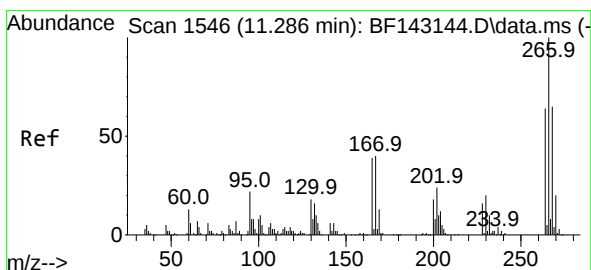
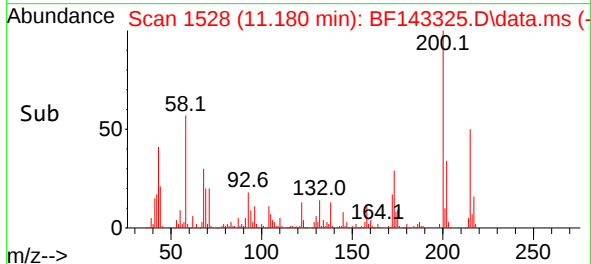
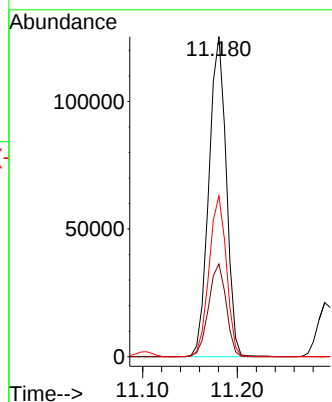
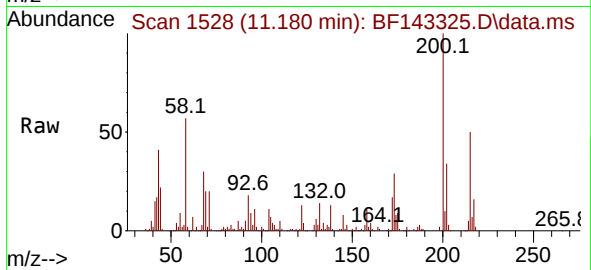
Tgt Ion:200 Resp: 159947

Ion Ratio Lower Upper

200 100

173 29.0 7.9 47.9

215 50.3 30.1 70.1



#70

Pentachlorophenol

Concen: 72.854 ng

RT: 11.292 min Scan# 1547

Delta R.T. 0.006 min

Lab File: BF143325.D

Acq: 06 Aug 2025 12:34

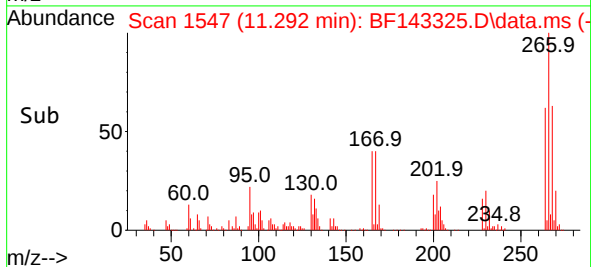
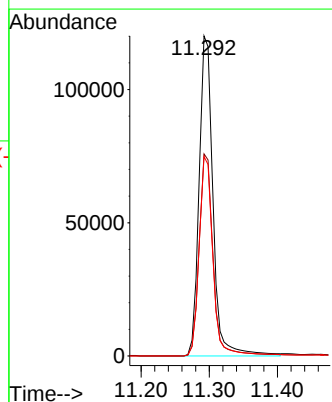
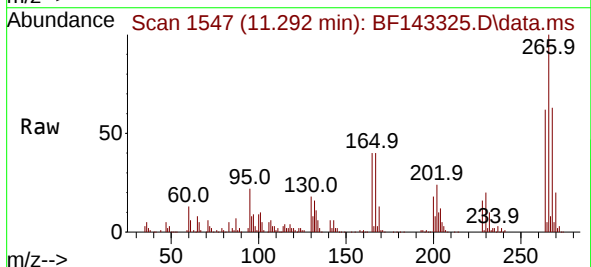
Tgt Ion:266 Resp: 170667

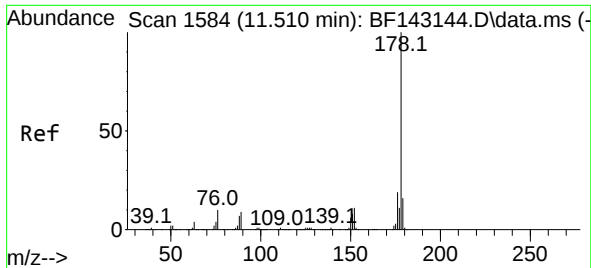
Ion Ratio Lower Upper

266 100

268 63.2 51.9 77.9

264 62.3 51.0 76.6

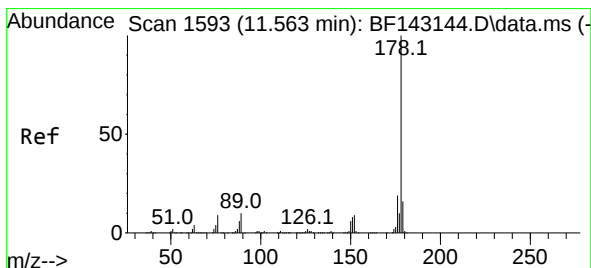
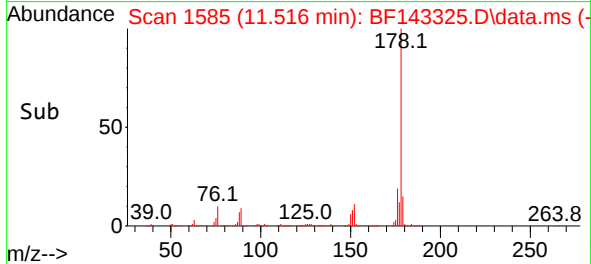
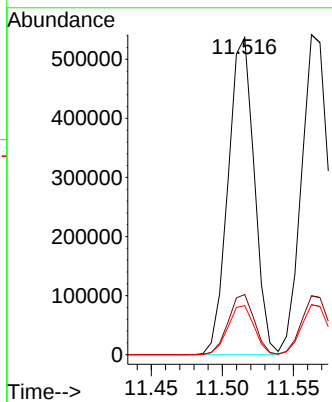
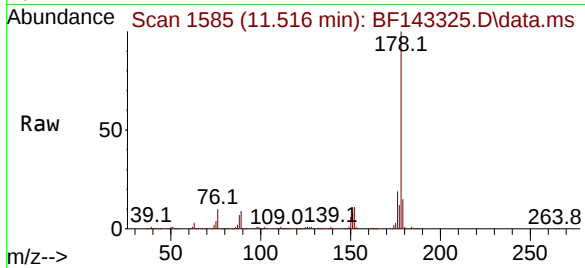




#71
Phenanthrene
Concen: 40.599 ng
RT: 11.516 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

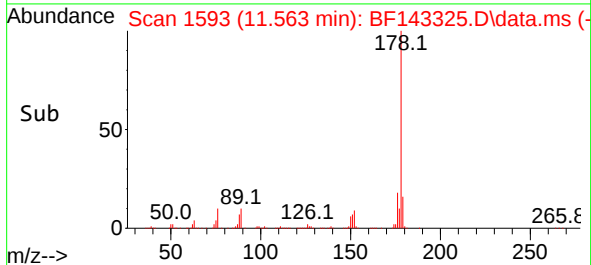
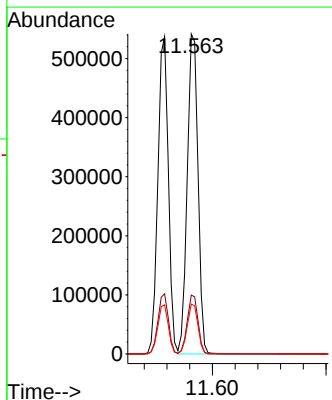
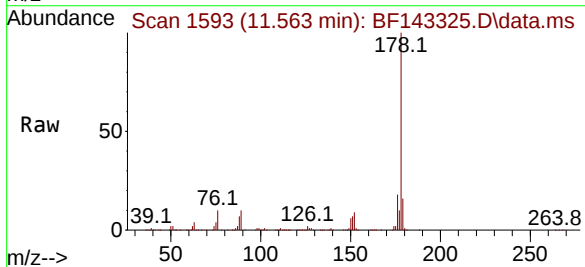
Instrument :
BNA_F
ClientSampleId :
PB169119BS

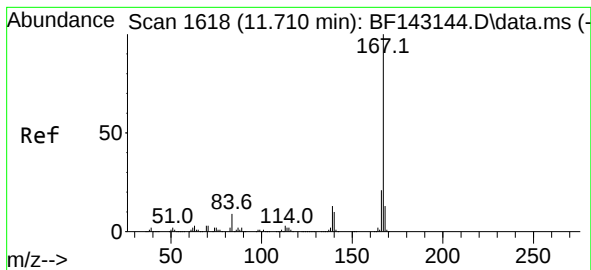
Tgt Ion:178 Resp: 689384
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.5 12.5 18.7



#72
Anthracene
Concen: 41.199 ng
RT: 11.563 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

Tgt Ion:178 Resp: 713488
Ion Ratio Lower Upper
178 100
176 18.4 15.0 22.4
179 15.6 12.5 18.7





#73

Carbazole

Concen: 40.514 ng

RT: 11.716 min Scan# 1618

Delta R.T. 0.006 min

Lab File: BF143325.D

Acq: 06 Aug 2025 12:34

Instrument :

BNA_F

ClientSampleId :

PB169119BS

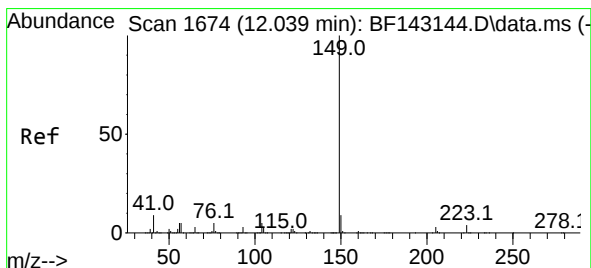
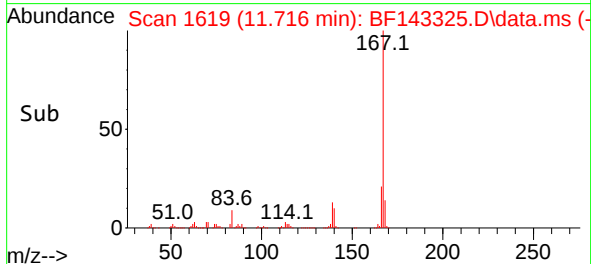
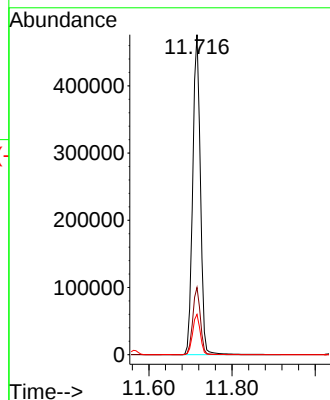
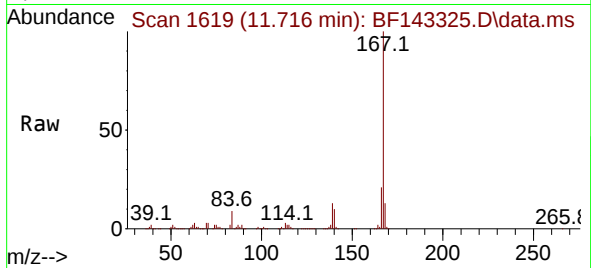
Tgt Ion:167 Resp: 612657

Ion Ratio Lower Upper

167 100

166 21.0 17.0 25.6

139 12.6 10.0 15.0



#74

Di-n-butylphthalate

Concen: 47.724 ng

RT: 12.039 min Scan# 1674

Delta R.T. 0.000 min

Lab File: BF143325.D

Acq: 06 Aug 2025 12:34

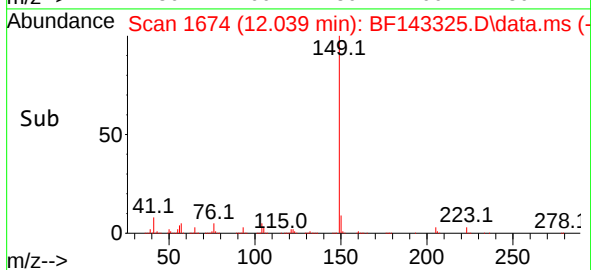
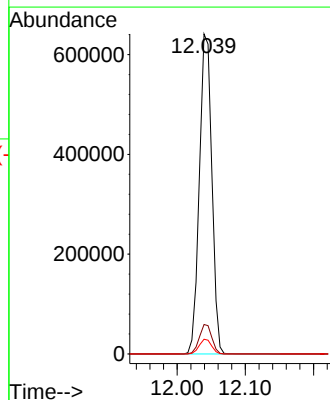
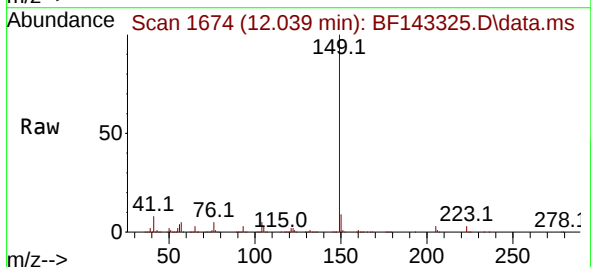
Tgt Ion:149 Resp: 816595

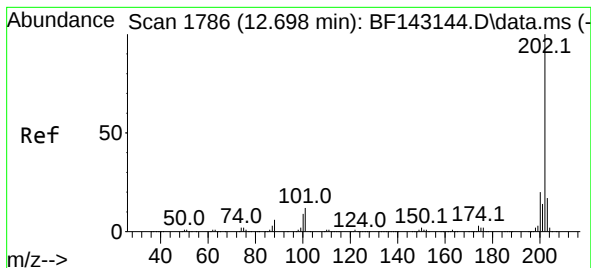
Ion Ratio Lower Upper

149 100

150 9.2 7.4 11.2

104 4.6 3.8 5.8





#75

Fluoranthene

Concen: 44.322 ng

RT: 12.704 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143325.D

Acq: 06 Aug 2025 12:34

Instrument :

BNA_F

ClientSampleId :

PB169119BS

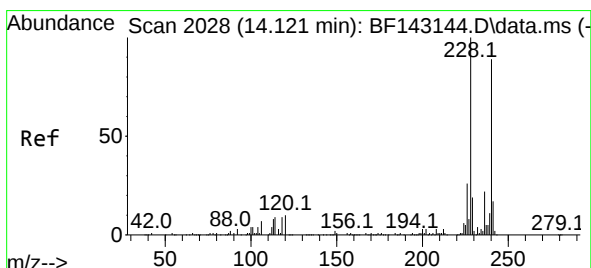
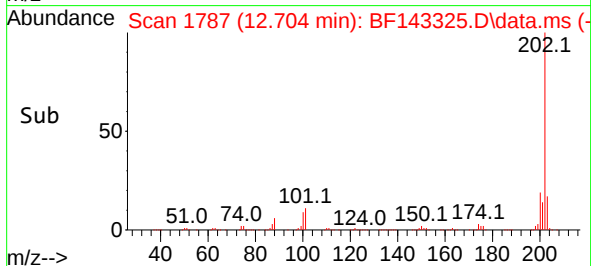
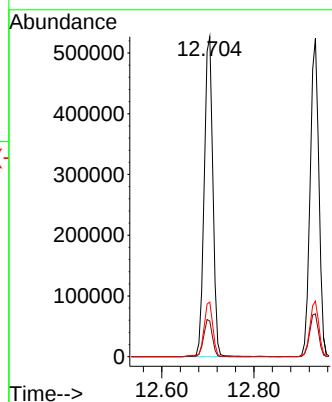
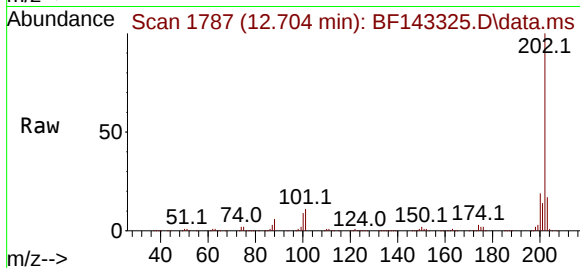
Tgt Ion:202 Resp: 690788

Ion Ratio Lower Upper

202 100

101 11.1 0.0 31.7

203 17.1 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.127 min Scan# 2029

Delta R.T. 0.006 min

Lab File: BF143325.D

Acq: 06 Aug 2025 12:34

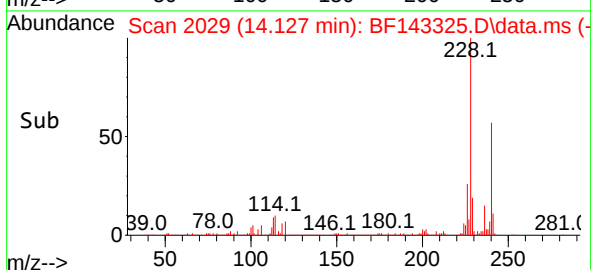
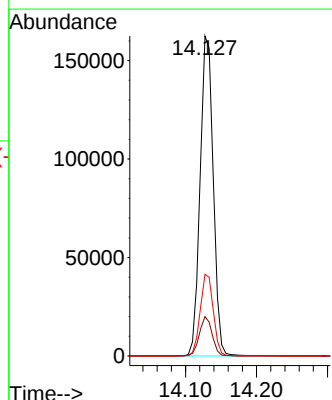
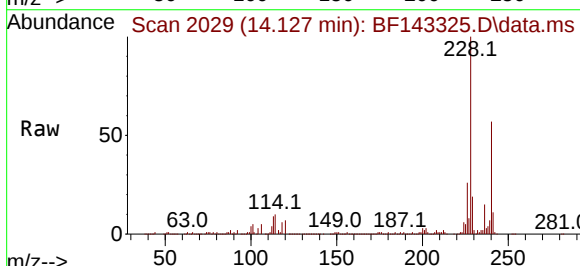
Tgt Ion:240 Resp: 209994

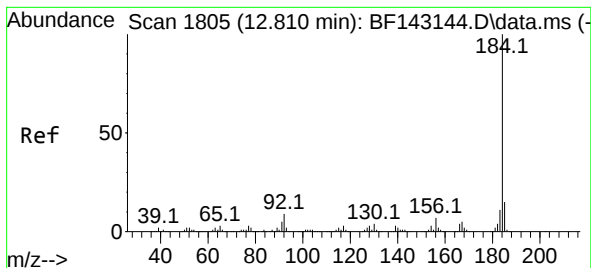
Ion Ratio Lower Upper

240 100

120 12.3 9.4 14.2

236 25.5 20.2 30.4





#77

Benzidine

Concen: 22.120 ng

RT: 12.816 min Scan# 1805

Delta R.T. 0.006 min

Lab File: BF143325.D

Acq: 06 Aug 2025 12:34

Instrument :

BNA_F

ClientSampleId :

PB169119BS

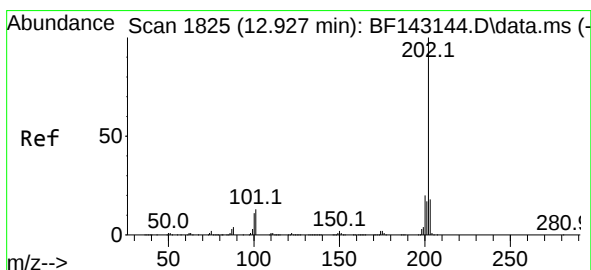
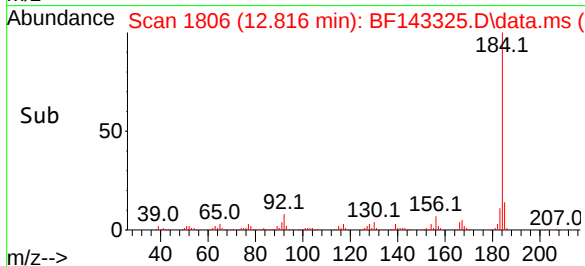
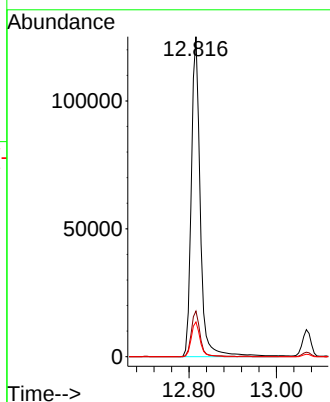
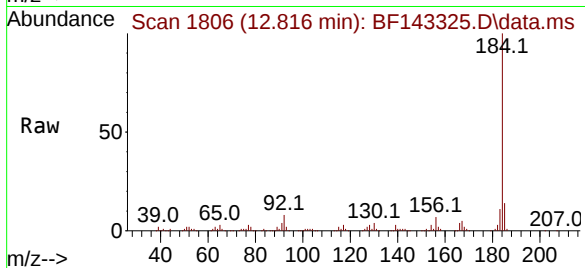
Tgt Ion:184 Resp: 178963

Ion Ratio Lower Upper

184 100

185 14.3 12.2 18.4

183 10.9 9.0 13.4



#78

Pyrene

Concen: 38.231 ng

RT: 12.933 min Scan# 1826

Delta R.T. 0.006 min

Lab File: BF143325.D

Acq: 06 Aug 2025 12:34

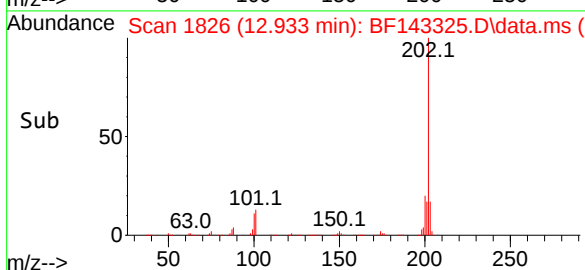
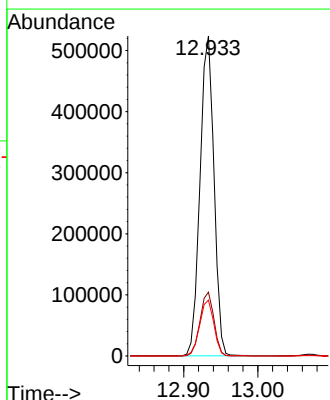
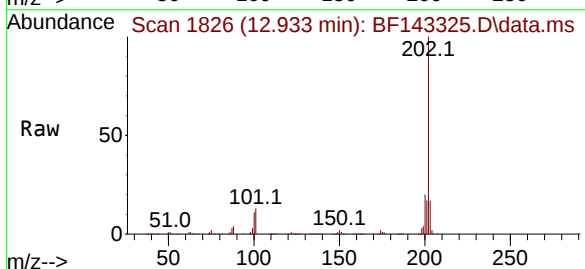
Tgt Ion:202 Resp: 685174

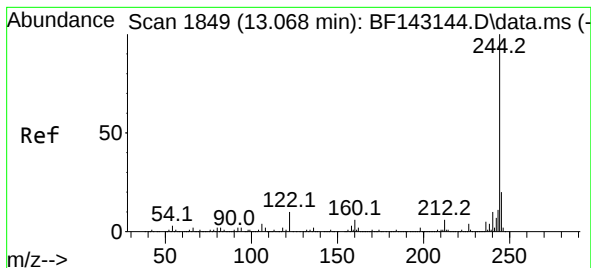
Ion Ratio Lower Upper

202 100

200 20.0 15.7 23.5

203 17.4 14.2 21.2





#79

Terphenyl-d14

Concen: 76.892 ng

RT: 13.069 min Scan# 1849

Delta R.T. 0.000 min

Lab File: BF143325.D

Acq: 06 Aug 2025 12:34

Instrument :

BNA_F

ClientSampleId :

PB169119BS

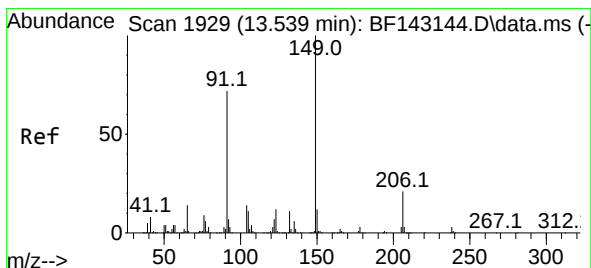
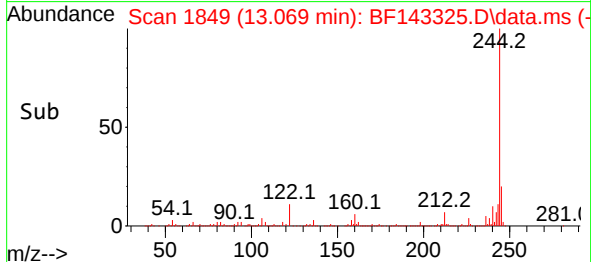
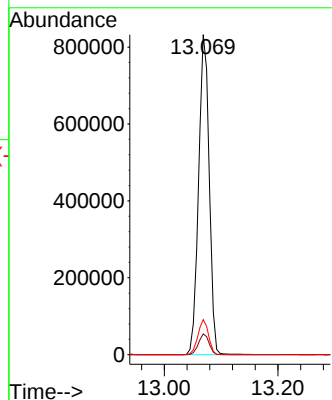
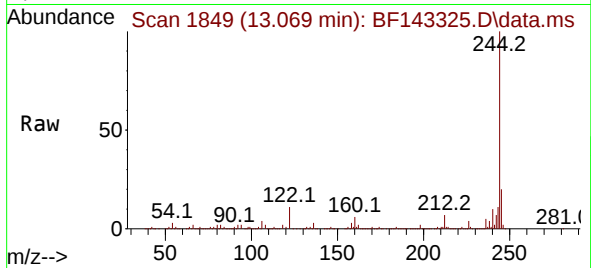
Tgt Ion:244 Resp: 1085056

Ion Ratio Lower Upper

244 100

212 6.5 5.2 7.8

122 11.0 8.2 12.2



#80

Butylbenzylphthalate

Concen: 57.233 ng

RT: 13.539 min Scan# 1929

Delta R.T. 0.000 min

Lab File: BF143325.D

Acq: 06 Aug 2025 12:34

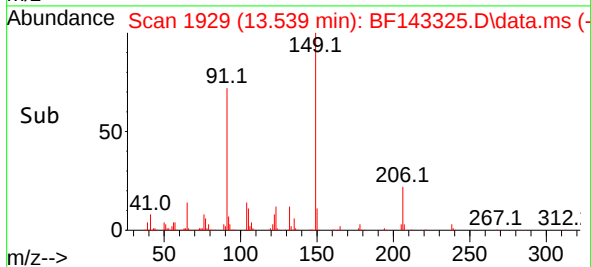
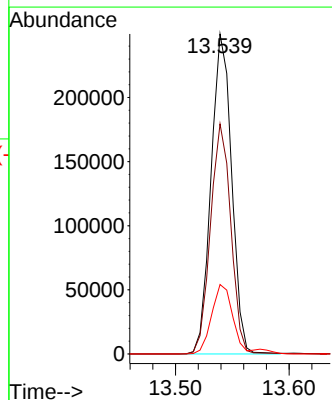
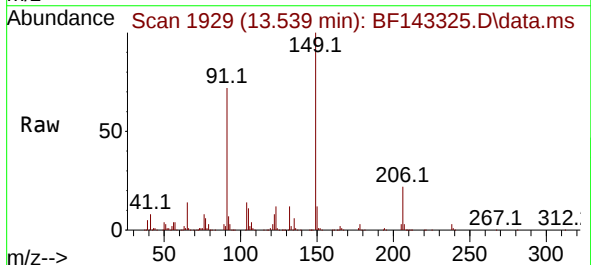
Tgt Ion:149 Resp: 314092

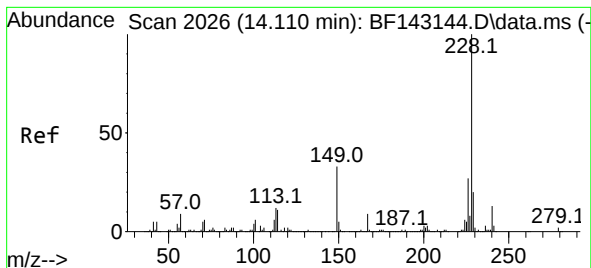
Ion Ratio Lower Upper

149 100

91 71.9 57.9 86.9

206 21.7 17.0 25.4





#81

Benzo(a)anthracene

Concen: 41.411 ng

RT: 14.121 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF143325.D

Acq: 06 Aug 2025 12:34

Instrument :

BNA_F

ClientSampleId :

PB169119BS

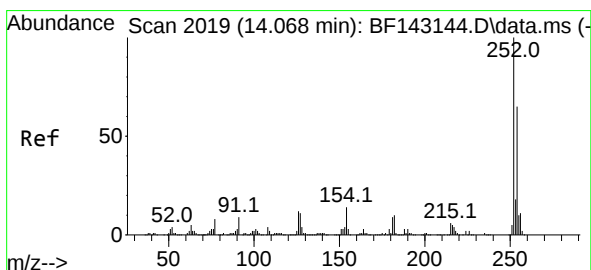
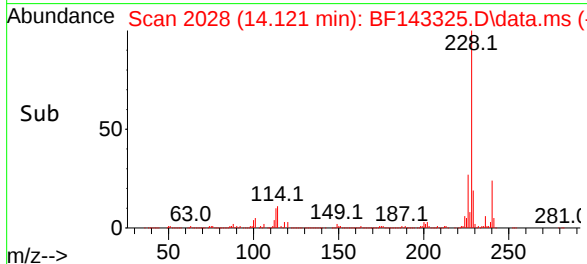
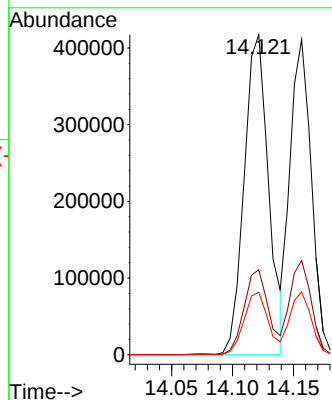
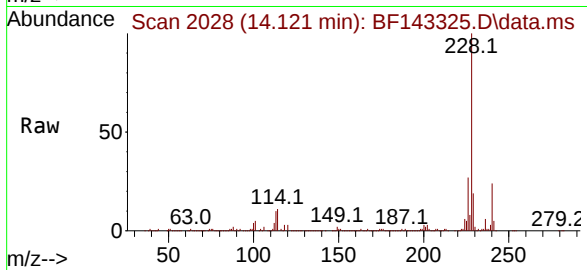
Tgt Ion:228 Resp: 582200

Ion Ratio Lower Upper

228 100

226 26.5 21.7 32.5

229 19.5 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 19.948 ng

RT: 14.074 min Scan# 2020

Delta R.T. 0.006 min

Lab File: BF143325.D

Acq: 06 Aug 2025 12:34

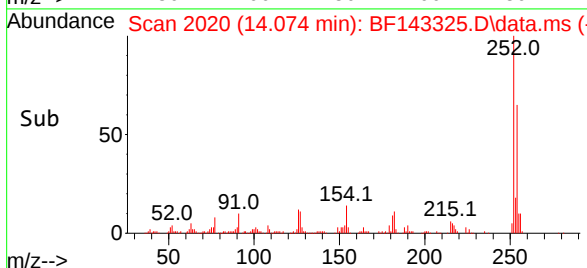
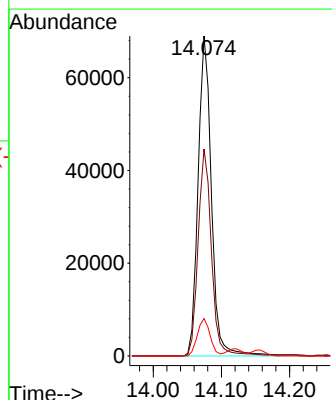
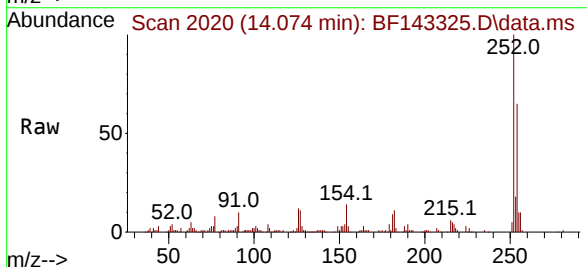
Tgt Ion:252 Resp: 93473

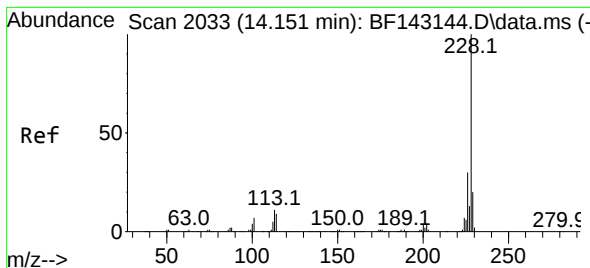
Ion Ratio Lower Upper

252 100

254 64.7 51.7 77.5

126 11.7 9.4 14.0





#83

Chrysene

Concen: 39.846 ng

RT: 14.157 min Scan# 2033

Delta R.T. 0.006 min

Lab File: BF143325.D

Acq: 06 Aug 2025 12:34

Instrument :

BNA_F

ClientSampleId :

PB169119BS

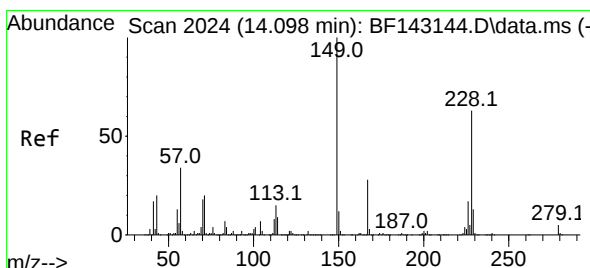
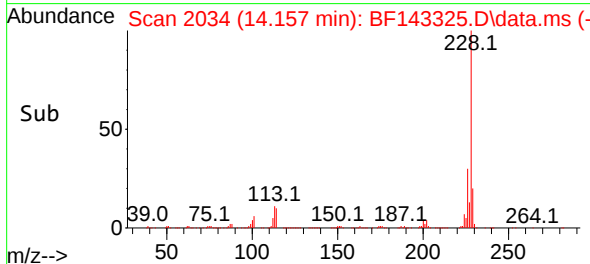
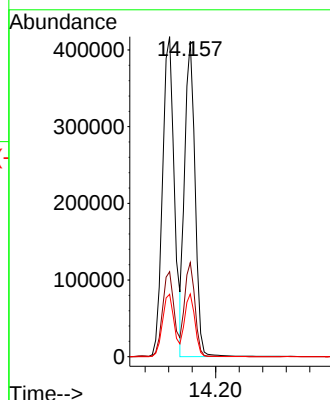
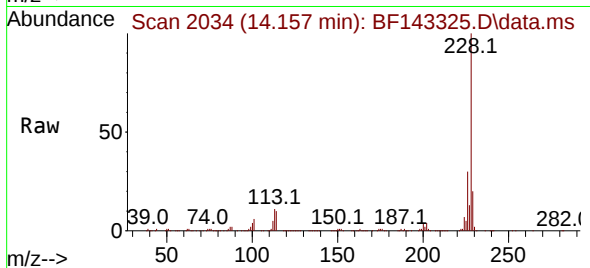
Tgt Ion:228 Resp: 503673

Ion Ratio Lower Upper

228 100

226 29.9 23.8 35.8

229 19.9 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 44.558 ng

RT: 14.098 min Scan# 2024

Delta R.T. 0.000 min

Lab File: BF143325.D

Acq: 06 Aug 2025 12:34

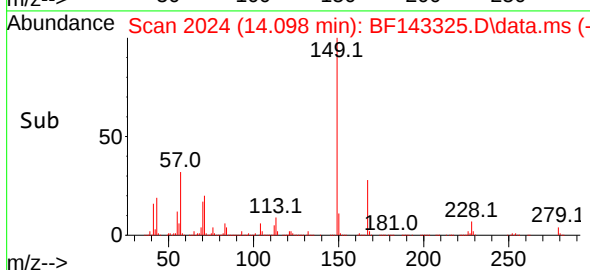
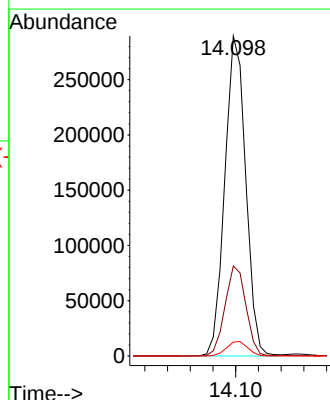
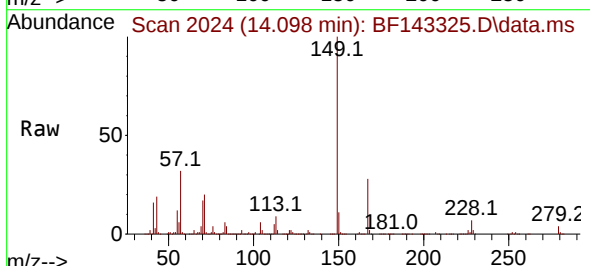
Tgt Ion:149 Resp: 370122

Ion Ratio Lower Upper

149 100

167 28.1 22.3 33.5

279 4.4 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 39.223 ng

RT: 14.716 min Scan# 2129

Delta R.T. 0.000 min

Lab File: BF143325.D

Acq: 06 Aug 2025 12:34

Instrument :

BNA_F

ClientSampleId :

PB169119BS

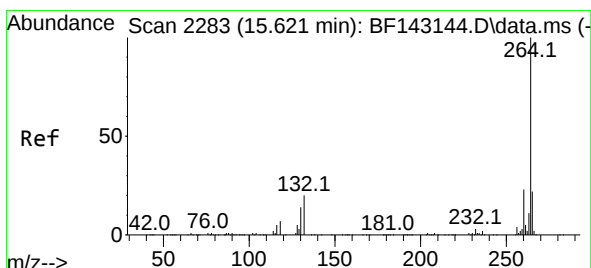
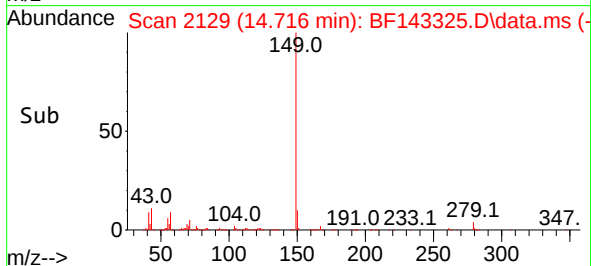
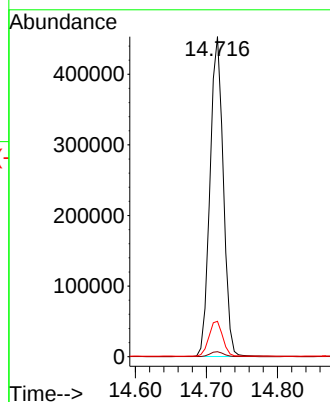
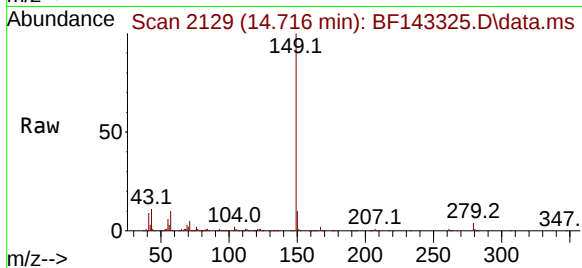
Tgt Ion:149 Resp: 590558

Ion Ratio Lower Upper

149 100

167 1.7 1.1 1.7

43 11.3 9.7 14.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.639 min Scan# 2286

Delta R.T. 0.018 min

Lab File: BF143325.D

Acq: 06 Aug 2025 12:34

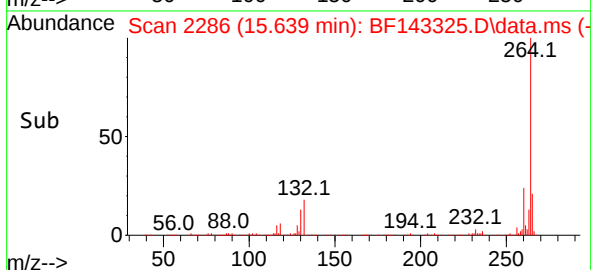
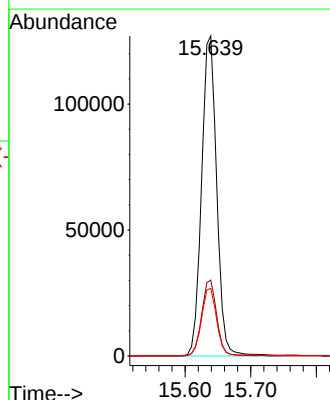
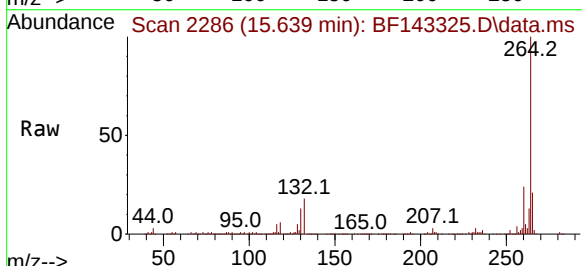
Tgt Ion:264 Resp: 204050

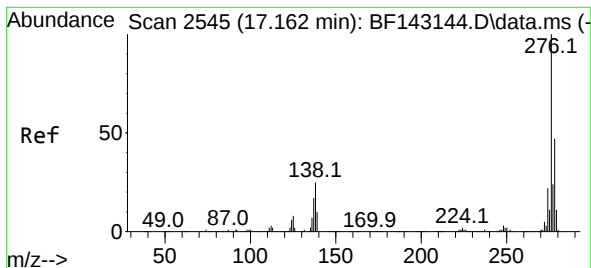
Ion Ratio Lower Upper

264 100

260 23.7 18.5 27.7

265 21.1 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 39.616 ng

RT: 17.186 min Scan# 2110

Delta R.T. 0.024 min

Lab File: BF143325.D

Acq: 06 Aug 2025 12:34

Instrument :

BNA_F

ClientSampleId :

PB169119BS

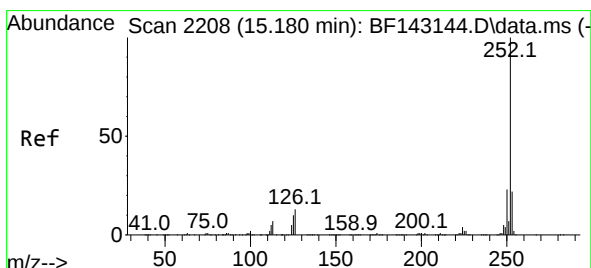
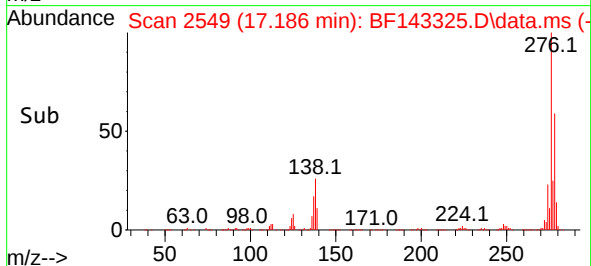
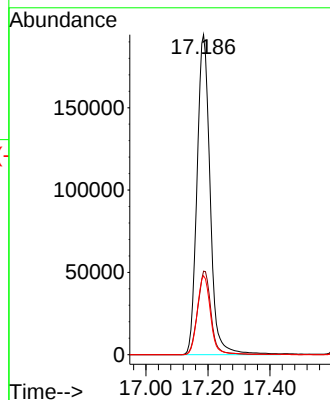
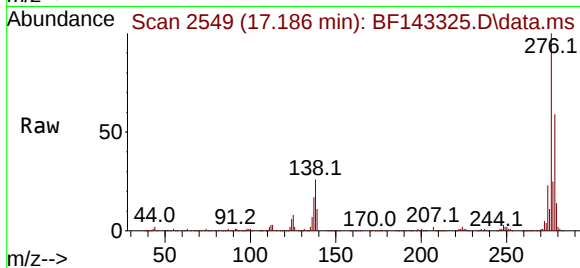
Tgt Ion:276 Resp: 570002

Ion Ratio Lower Upper

276 100

138 26.6 21.8 32.6

277 25.0 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 51.709 ng

RT: 15.192 min Scan# 2210

Delta R.T. 0.012 min

Lab File: BF143325.D

Acq: 06 Aug 2025 12:34

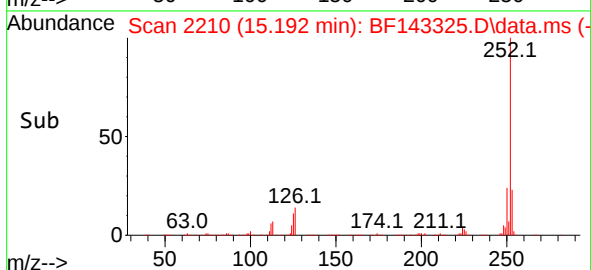
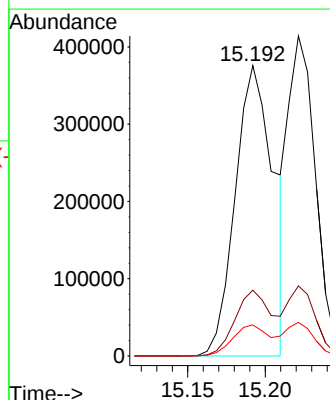
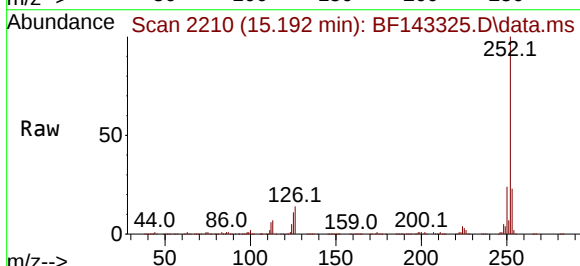
Tgt Ion:252 Resp: 644581

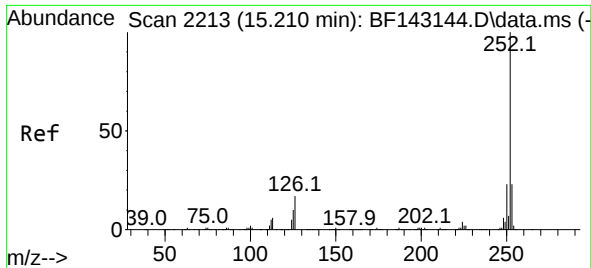
Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

125 10.7 8.0 12.0

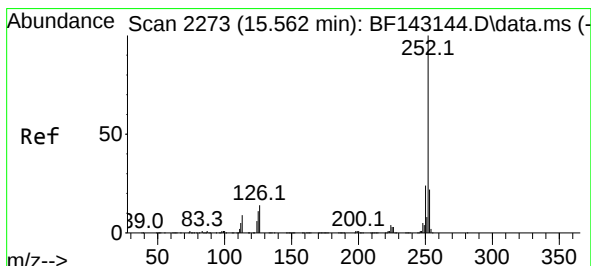
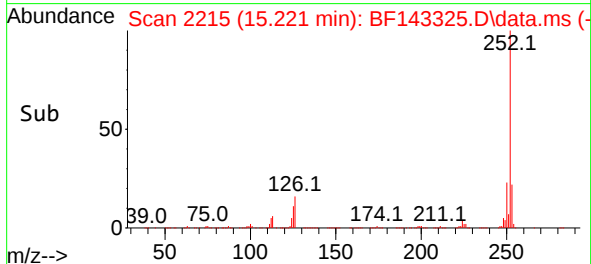
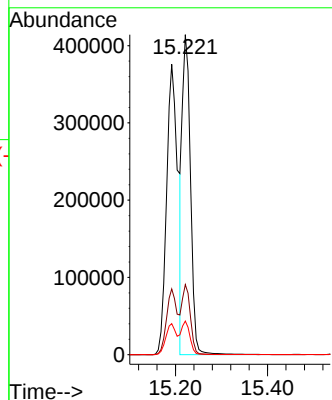
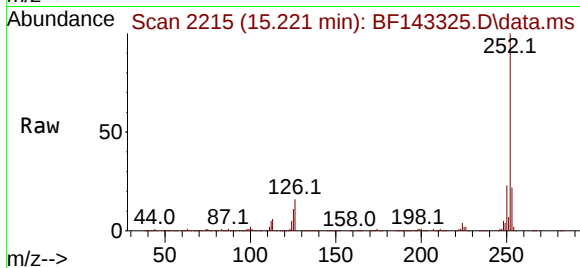




#89
Benzo(k)fluoranthene
Concen: 46.263 ng
RT: 15.221 min Scan# 211
Delta R.T. 0.012 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

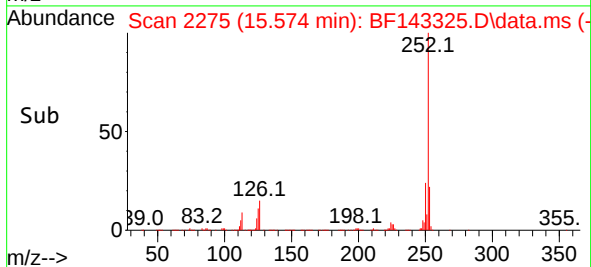
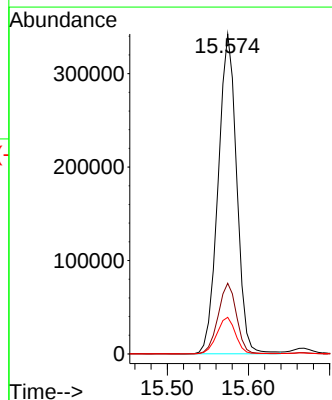
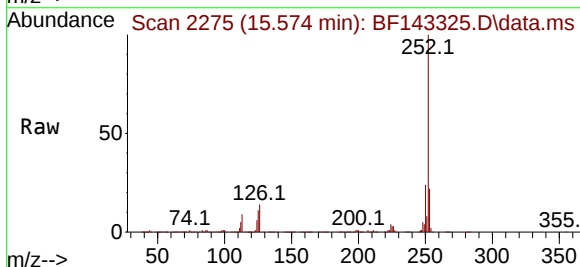
Instrument :
BNA_F
ClientSampleId :
PB169119BS

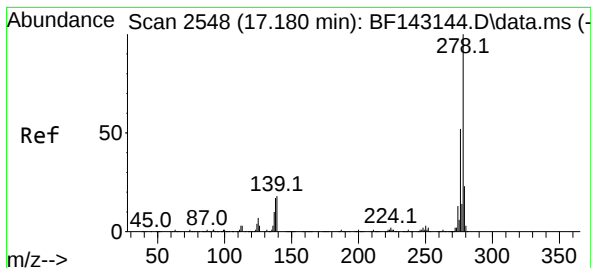
Tgt Ion:252 Resp: 514609
Ion Ratio Lower Upper
252 100
253 21.9 17.8 26.6
125 10.5 8.1 12.1



#90
Benzo(a)pyrene
Concen: 47.373 ng
RT: 15.574 min Scan# 2275
Delta R.T. 0.012 min
Lab File: BF143325.D
Acq: 06 Aug 2025 12:34

Tgt Ion:252 Resp: 544087
Ion Ratio Lower Upper
252 100
253 22.1 17.3 25.9
125 11.4 8.6 13.0





#91

Dibenzo(a,h)anthracene

Concen: 38.929 ng

RT: 17.204 min Scan# 21

Delta R.T. 0.024 min

Lab File: BF143325.D

Acq: 06 Aug 2025 12:34

Instrument :

BNA_F

ClientSampleId :

PB169119BS

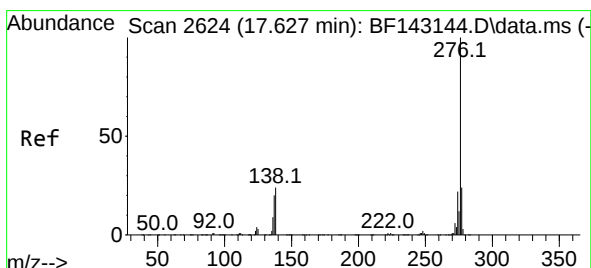
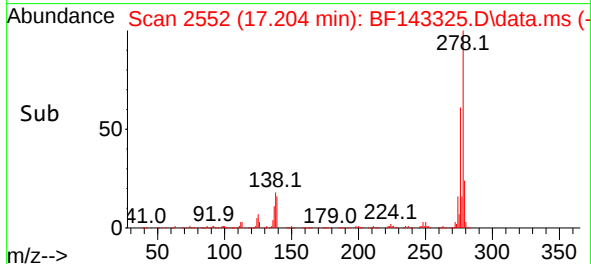
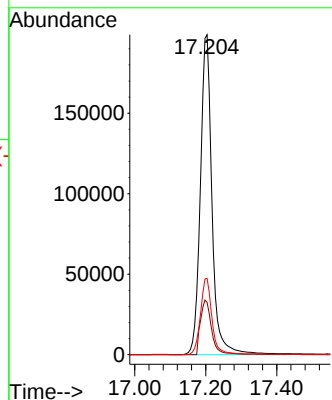
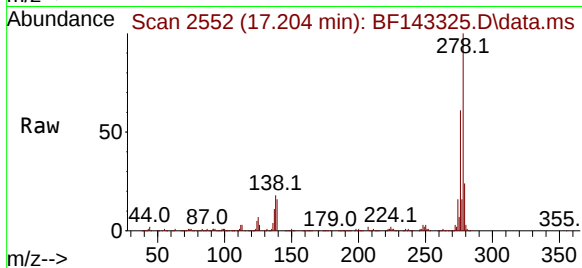
Tgt Ion:278 Resp: 455905

Ion Ratio Lower Upper

278 100

139 16.4 14.1 21.1

279 23.9 18.6 28.0



#92

Benzo(g,h,i)perylene

Concen: 40.250 ng

RT: 17.651 min Scan# 2628

Delta R.T. 0.024 min

Lab File: BF143325.D

Acq: 06 Aug 2025 12:34

Tgt Ion:276 Resp: 455970

Ion Ratio Lower Upper

276 100

277 23.4 19.1 28.7

138 23.1 18.9 28.3

