

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
 Data File : BF143132.D
 Acq On : 17 Jul 2025 03:03
 Operator : RC/JU
 Sample : Q2571-05MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-17MSD

Quant Time: Jul 17 03:49:32 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:53:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	154642	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	573690	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	274130	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	404556	20.000	ng	0.00
76) Chrysene-d12	14.133	240	270975	20.000	ng	0.00
86) Perylene-d12	15.639	264	316202	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.599	112	793928	81.113	ng	0.01
7) Phenol-d6	6.587	99	1031700	83.855	ng	0.00
23) Nitrobenzene-d5	7.522	82	669140	65.432	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	198539	81.226	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1106288	53.645	ng	0.00
79) Terphenyl-d14	13.069	244	771722	41.632	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.899	88	162234	33.297	ng	99
3) Pyridine	3.652	79	439142	35.593	ng	98
4) n-Nitrosodimethylamine	3.593	42	251775	39.387	ng	99
6) Aniline	6.628	93	416344	24.031	ng	99
8) 2-Chlorophenol	6.751	128	407920	41.480	ng	99
9) Benzaldehyde	6.516	77	294115	31.373	ng	99
10) Phenol	6.604	94	547911	41.137	ng	100
11) bis(2-Chloroethyl)ether	6.698	93	404904	39.269	ng	99
12) 1,3-Dichlorobenzene	6.910	146	435247	39.176	ng	99
13) 1,4-Dichlorobenzene	6.987	146	437253	39.120	ng	99
14) 1,2-Dichlorobenzene	7.140	146	418979	39.308	ng	98
15) Benzyl Alcohol	7.098	79	381475	41.845	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.240	45	736414	38.744	ng	100
17) 2-Methylphenol	7.210	107	341298	40.217	ng	99
18) Hexachloroethane	7.487	117	152901	42.022	ng	98
19) n-Nitroso-di-n-propyla...	7.375	70	295976	39.267	ng	99
20) 3+4-Methylphenols	7.363	107	415708	39.943	ng	96
22) Acetophenone	7.369	105	552881	39.979	ng	94
24) Nitrobenzene	7.545	77	446124	45.189	ng	98
25) Isophorone	7.781	82	817872	41.377	ng	99
26) 2-Nitrophenol	7.863	139	180165	45.858	ng	99
27) 2,4-Dimethylphenol	7.893	122	381063	41.536	ng	99
28) bis(2-Chloroethoxy)met...	7.993	93	492251	41.068	ng	99
29) 2,4-Dichlorophenol	8.098	162	317079	42.246	ng	99
30) 1,2,4-Trichlorobenzene	8.187	180	348097	40.867	ng	99
31) Naphthalene	8.269	128	1146191	40.233	ng	100
32) Benzoic acid	7.893	122	381063	78.557	ng	# 13
33) 4-Chloroaniline	8.310	127	159239	13.900	ng	97
34) Hexachlorobutadiene	8.392	225	212383	41.692	ng	99
35) Caprolactam	8.663	113	92881	39.630	ng	96
36) 4-Chloro-3-methylphenol	8.787	107	348019	41.626	ng	98
37) 2-Methylnaphthalene	8.963	142	680541	40.043	ng	100
38) 1-Methylnaphthalene	9.063	142	709748	40.264	ng	100
40) 1,2,4,5-Tetrachloroben...	9.128	216	332868	41.667	ng	99
41) Hexachlorocyclopentadiene	9.122	237	285312	64.416	ng	98
43) 2,4,6-Trichlorophenol	9.234	196	200935	40.479	ng	99

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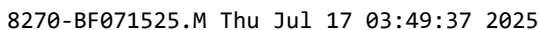
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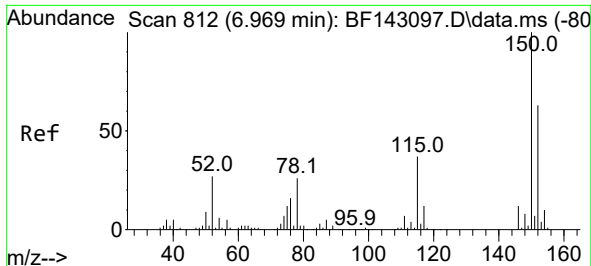
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	221043	42.469	ng	98
46) 1,1'-Biphenyl	9.422	154	907562	41.515	ng	100
47) 2-Chloronaphthalene	9.451	162	659194	41.046	ng	99
48) 2-Nitroaniline	9.534	65	218325	45.695	ng	100
49) Acenaphthylene	9.869	152	1100552	41.125	ng	100
50) Dimethylphthalate	9.722	163	754861	43.770	ng	100
51) 2,6-Dinitrotoluene	9.781	165	155290	45.711	ng	89
52) Acenaphthene	10.039	154	616683	39.050	ng	99
53) 3-Nitroaniline	9.945	138	128024	34.355	ng	97
54) 2,4-Dinitrophenol	10.045	184	5497	10.510	ng	# 1
55) Dibenzofuran	10.210	168	942444	40.038	ng	100
56) 4-Nitrophenol	10.092	139	210415	71.046	ng	98
57) 2,4-Dinitrotoluene	10.181	165	190519	44.997	ng	98
58) Fluorene	10.551	166	689808	39.088	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	140420	33.949	ng	98
60) Diethylphthalate	10.422	149	722197	43.405	ng	99
61) 4-Chlorophenyl-phenyle...	10.545	204	345005	40.789	ng	100
62) 4-Nitroaniline	10.557	138	139120	42.929	ng	99
63) Azobenzene	10.704	77	807710	43.895	ng	95
65) 4,6-Dinitro-2-methylph...	10.586	198	8364	11.197	ng	98
66) n-Nitrosodiphenylamine	10.657	169	622784	43.825	ng	99
67) 4-Bromophenyl-phenylether	11.034	248	205085	44.577	ng	98
68) Hexachlorobenzene	11.104	284	207302	42.467	ng	98
69) Atrazine	11.181	200	173844	47.816	ng	99
70) Pentachlorophenol	11.292	266	82071	30.644	ng	100
71) Phenanthrene	11.516	178	871164	39.901	ng	99
72) Anthracene	11.569	178	879525	40.059	ng	100
73) Carbazole	11.716	167	787172	40.020	ng	100
74) Di-n-butylphthalate	12.045	149	896492	49.653	ng	100
75) Fluoranthene	12.704	202	805111	40.555	ng	99
77) Benzidine	12.816	184	233917	25.338	ng	99
78) Pyrene	12.933	202	815947	32.454	ng	100
80) Butylbenzylphthalate	13.545	149	239643	47.482	ng	98
81) Benzo(a)anthracene	14.122	228	760550	42.120	ng	99
82) 3,3'-Dichlorobenzidine	14.074	252	129923	24.777	ng	99
83) Chrysene	14.157	228	680317	40.908	ng	99
84) Bis(2-ethylhexyl)phtha...	14.110	149	355208	46.724	ng	99
85) Di-n-octyl phthalate	14.727	149	706471	48.873	ng	97
87) Indeno(1,2,3-cd)pyrene	17.180	276	771881	32.821	ng	99
88) Benzo(b)fluoranthene	15.192	252	865209	47.437	ng	99
89) Benzo(k)fluoranthene	15.221	252	689026	39.598	ng	100
90) Benzo(a)pyrene	15.574	252	763138	44.239	ng	99
91) Dibenzo(a,h)anthracene	17.198	278	629422	32.739	ng	99
92) Benzo(g,h,i)perylene	17.645	276	591750	30.191	ng	99

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

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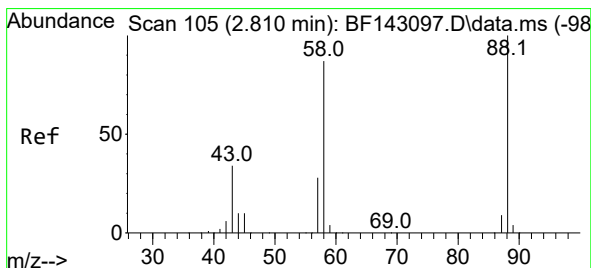
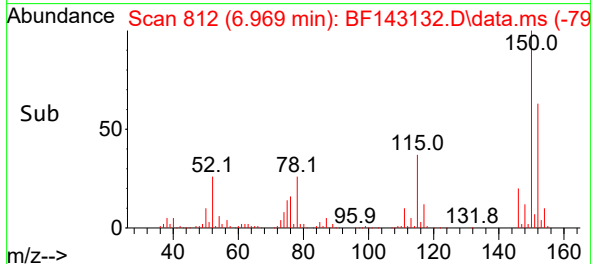
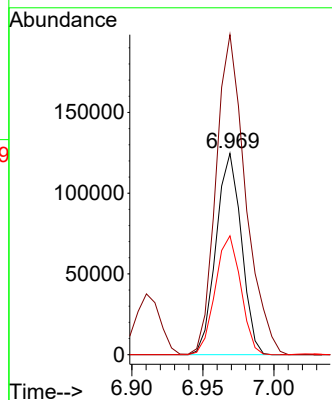
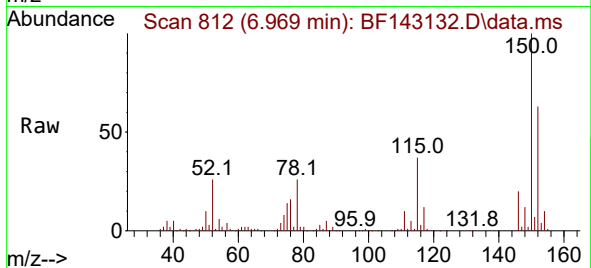




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.969 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: BF143132.D
 Acq: 17 Jul 2025 03:03

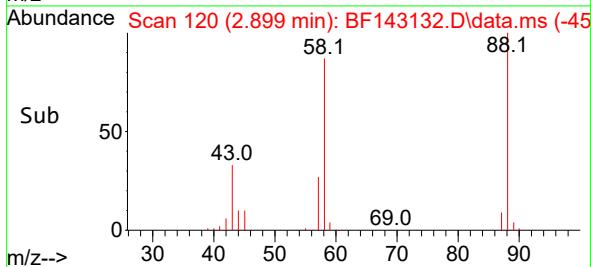
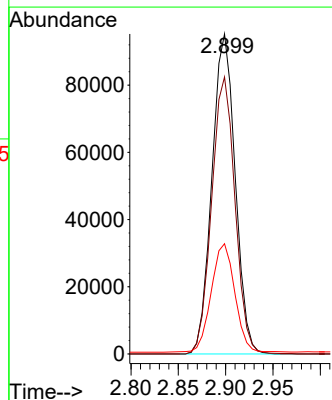
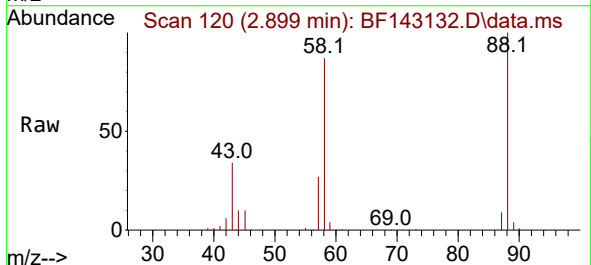
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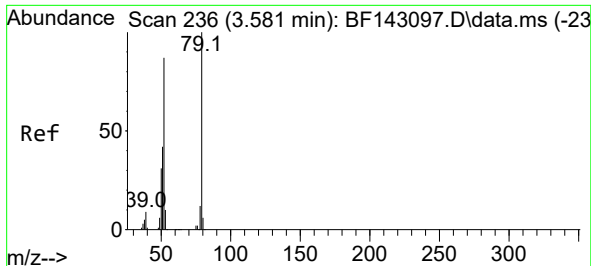
Tgt Ion:152 Resp: 154642
 Ion Ratio Lower Upper
 152 100
 150 159.0 126.5 189.7
 115 59.0 47.0 70.6



#2
 1,4-Dioxane
 Concen: 33.297 ng
 RT: 2.899 min Scan# 120
 Delta R.T. 0.088 min
 Lab File: BF143132.D
 Acq: 17 Jul 2025 03:03

Tgt Ion: 88 Resp: 162234
 Ion Ratio Lower Upper
 88 100
 58 87.0 70.5 105.7
 43 34.6 27.3 40.9

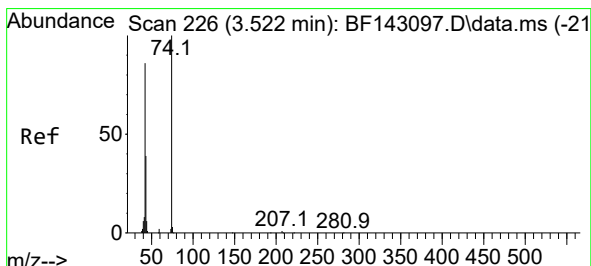
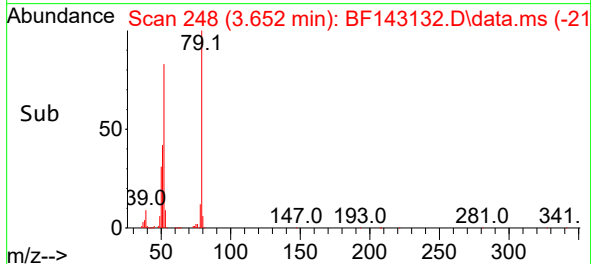
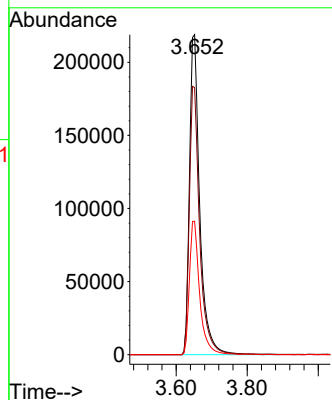
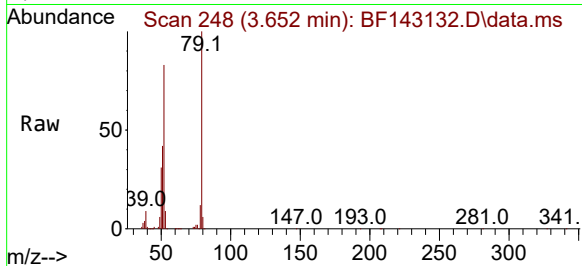




#3
 Pyridine
 Concen: 35.593 ng
 RT: 3.652 min Scan# 24
 Delta R.T. 0.071 min
 Lab File: BF143132.D
 Acq: 17 Jul 2025 03:03

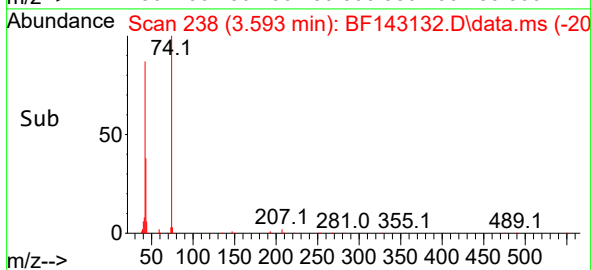
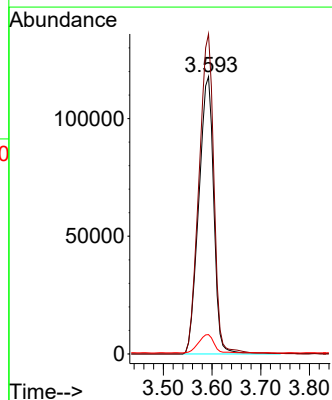
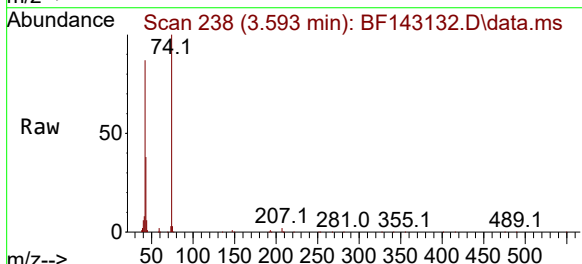
Instrument :
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 ClientSampleId :
 TP-17MSD

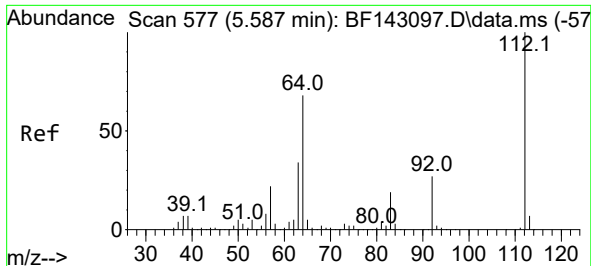
Tgt Ion: 79 Resp: 439142
 Ion Ratio Lower Upper
 79 100
 52 83.5 69.2 103.8
 51 41.7 33.3 49.9



#4
 n-Nitrosodimethylamine
 Concen: 39.387 ng
 RT: 3.593 min Scan# 238
 Delta R.T. 0.071 min
 Lab File: BF143132.D
 Acq: 17 Jul 2025 03:03

Tgt Ion: 42 Resp: 251775
 Ion Ratio Lower Upper
 42 100
 74 115.4 92.8 139.2
 44 7.0 5.8 8.6

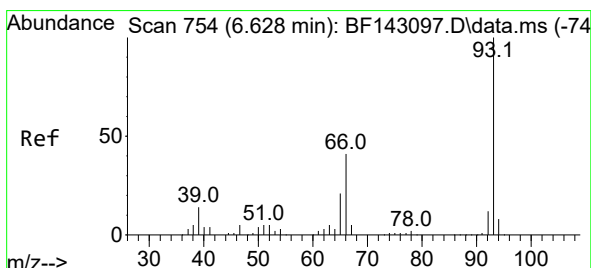
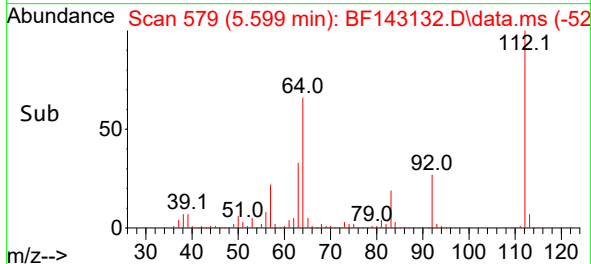
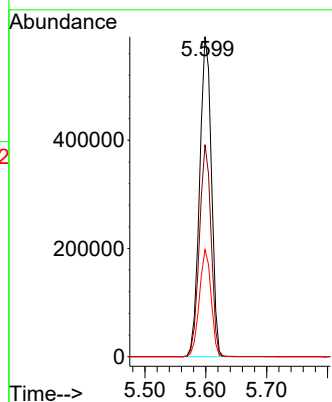
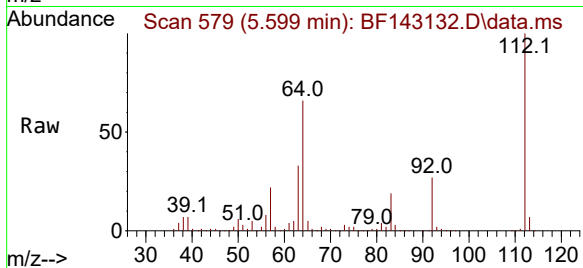




#5
2-Fluorophenol
Concen: 81.113 ng
RT: 5.599 min Scan# 511
Delta R.T. 0.012 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

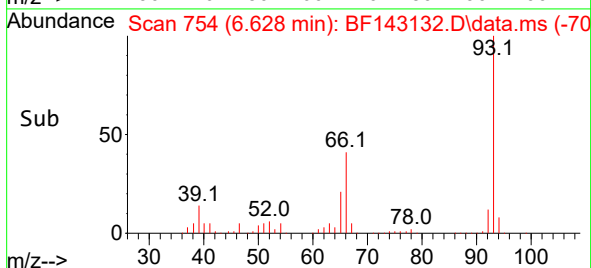
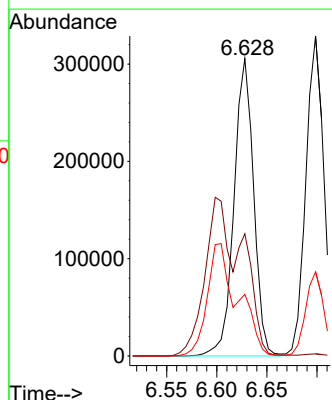
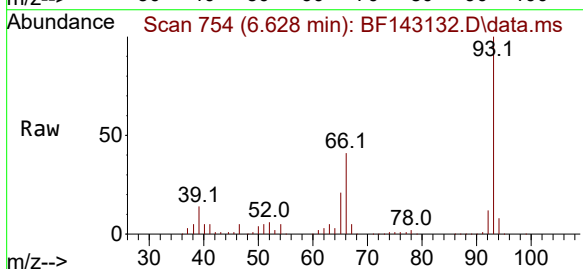
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ClientSampleId :
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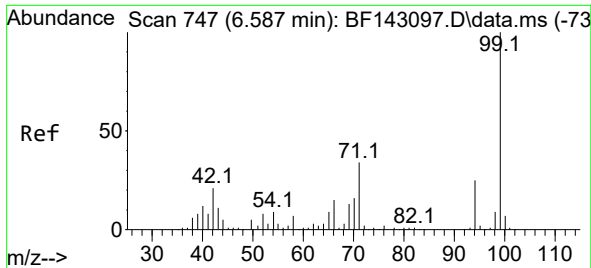
Tgt Ion:112 Resp: 793928
Ion Ratio Lower Upper
112 100
64 66.2 54.6 82.0
63 33.5 27.3 40.9



#6
Aniline
Concen: 24.031 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion: 93 Resp: 416344
Ion Ratio Lower Upper
93 100
66 41.1 33.1 49.7
65 20.7 16.9 25.3

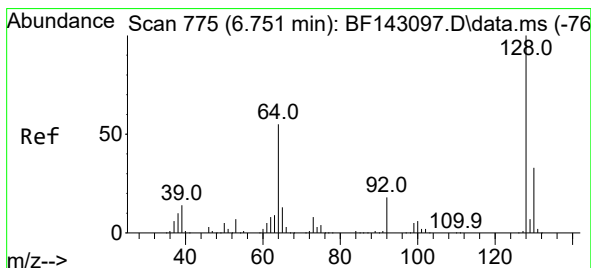
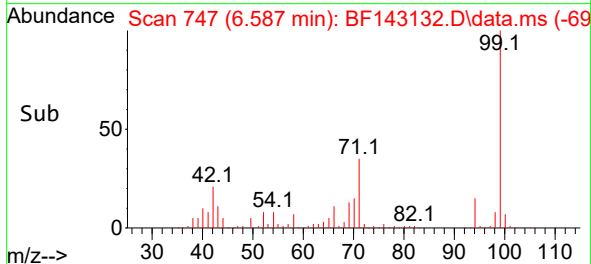
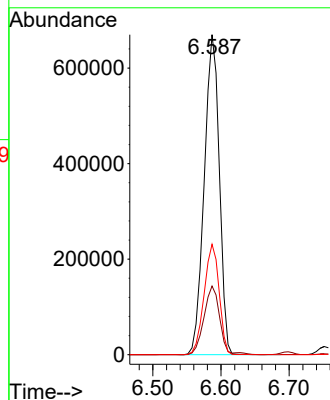
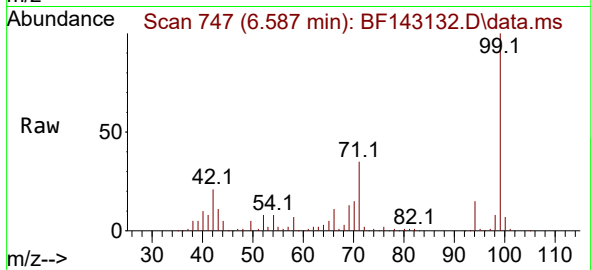




#7
Phenol-d6
Concen: 83.855 ng
RT: 6.587 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

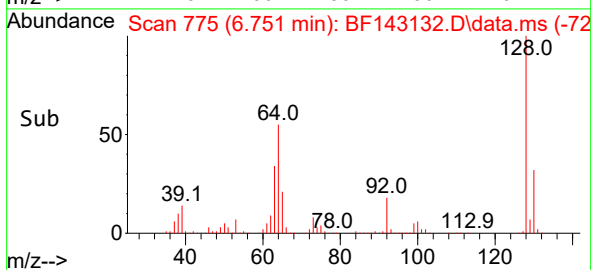
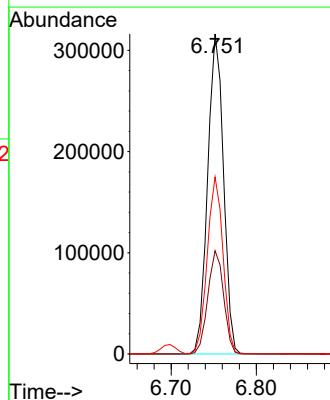
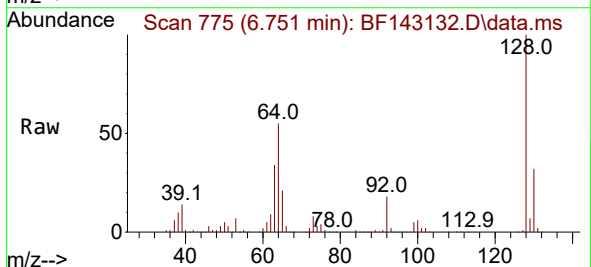
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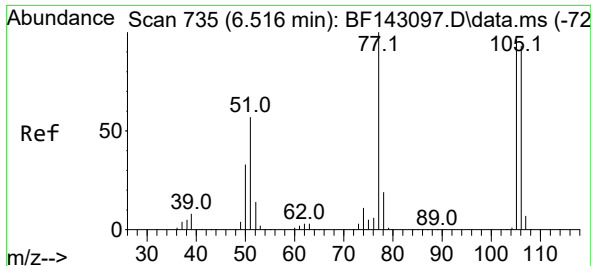
Tgt Ion: 99 Resp: 1031700
Ion Ratio Lower Upper
99 100
42 21.5 17.2 25.8
71 34.5 27.4 41.0



#8
2-Chlorophenol
Concen: 41.480 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion: 128 Resp: 407920
Ion Ratio Lower Upper
128 100
130 32.2 12.8 52.8
64 55.3 36.1 76.1

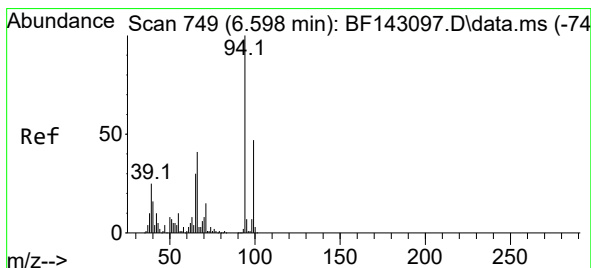
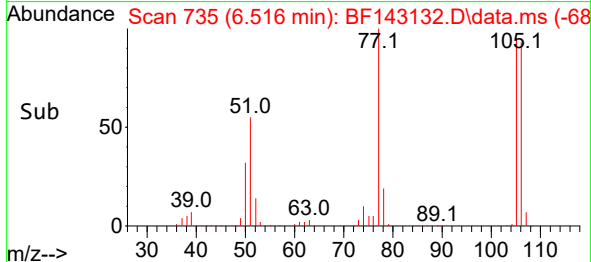
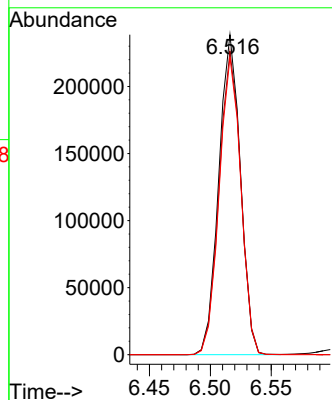
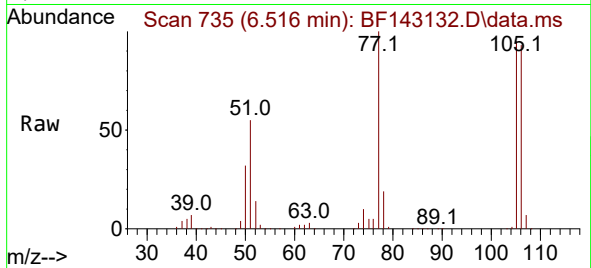




#9
Benzaldehyde
Concen: 31.373 ng
RT: 6.516 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

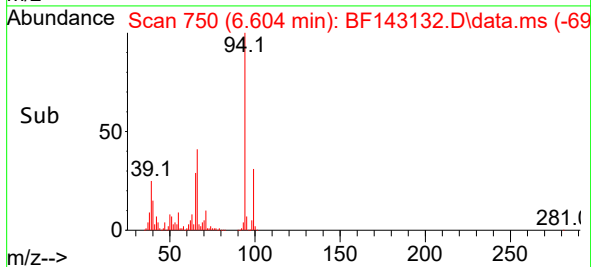
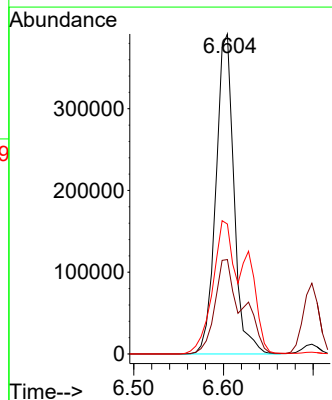
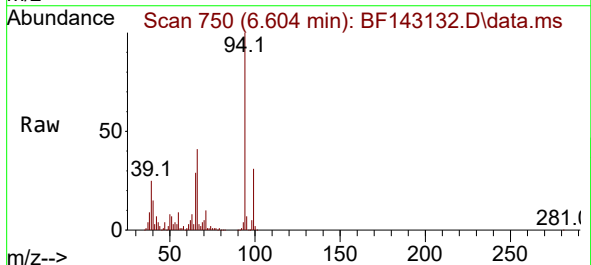
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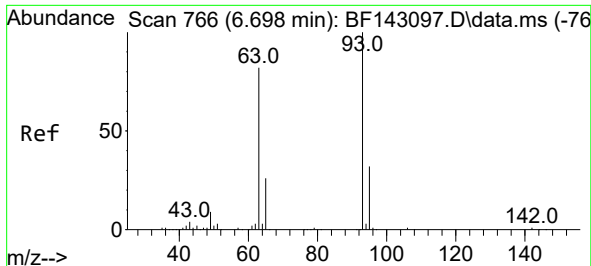
Tgt Ion: 77 Resp: 294115
Ion Ratio Lower Upper
77 100
105 94.8 76.3 116.3
106 92.9 72.8 112.8



#10
Phenol
Concen: 41.137 ng
RT: 6.604 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion: 94 Resp: 547911
Ion Ratio Lower Upper
94 100
65 29.5 9.8 49.8
66 40.6 20.5 60.5

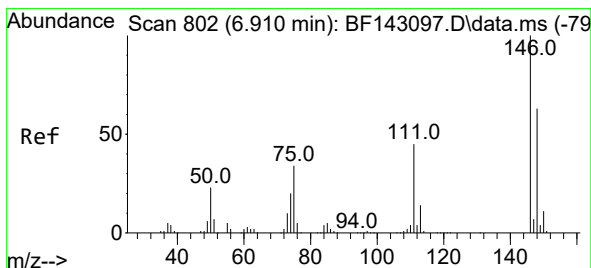
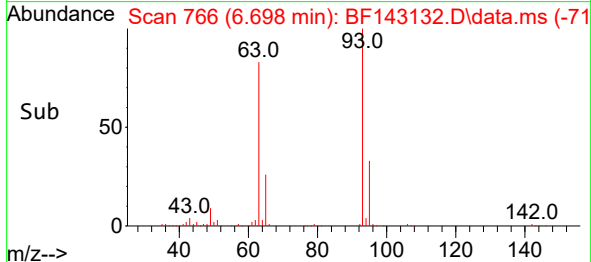
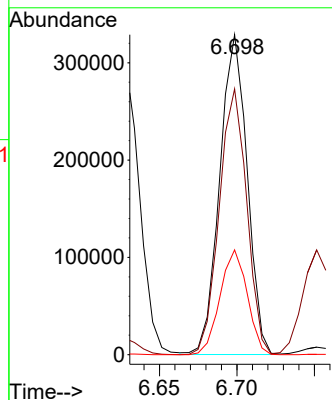
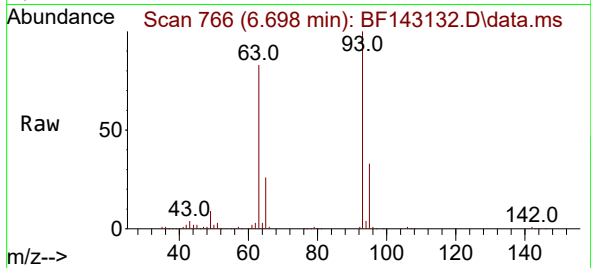




#11
bis(2-Chloroethyl)ether
Concen: 39.269 ng
RT: 6.698 min Scan# 766
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

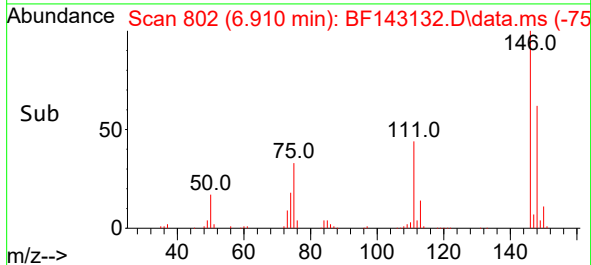
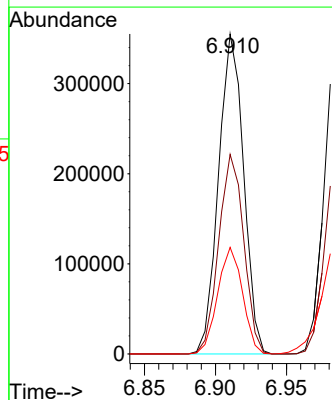
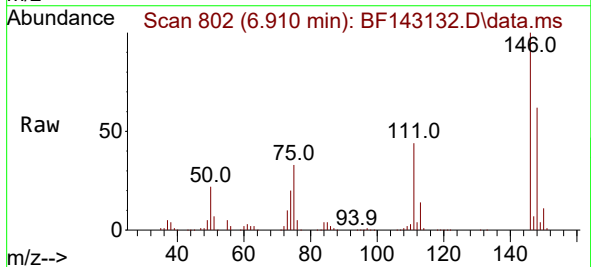
Instrument :
BNA_F
ClientSampleId :
TP-17MSD

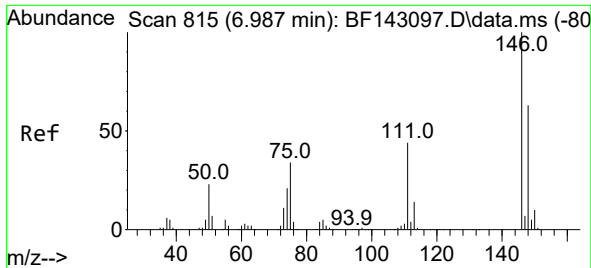
Tgt Ion: 93 Resp: 404904
Ion Ratio Lower Upper
93 100
63 83.1 61.9 101.9
95 32.7 12.2 52.2



#12
1,3-Dichlorobenzene
Concen: 39.176 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion: 146 Resp: 435247
Ion Ratio Lower Upper
146 100
148 62.3 50.1 75.1
75 33.3 27.4 41.0





#13

1,4-Dichlorobenzene

Concen: 39.120 ng

RT: 6.987 min Scan# 815

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

Instrument :

BNA_F

ClientSampleId :

TP-17MSD

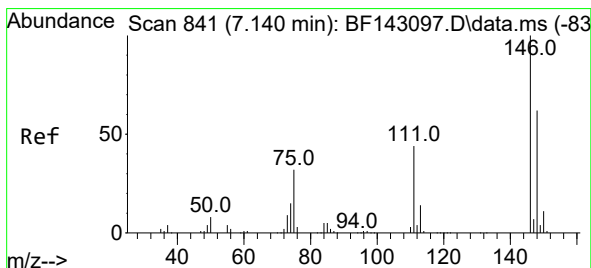
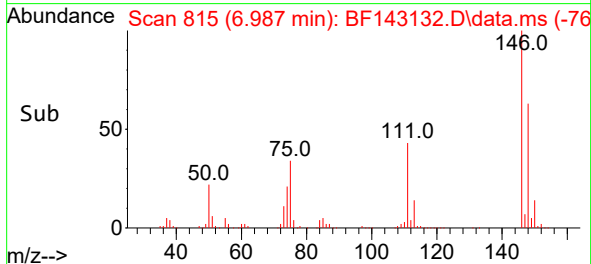
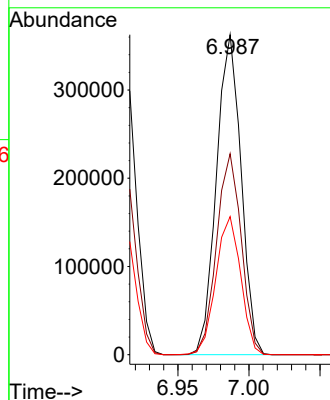
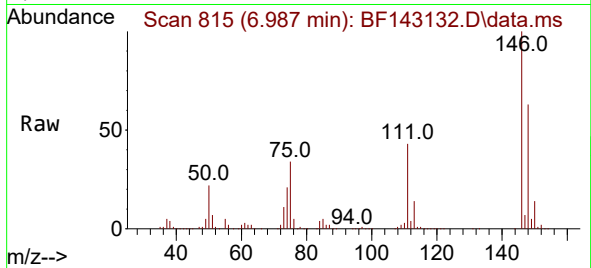
Tgt Ion:146 Resp: 437253

Ion Ratio Lower Upper

146 100

148 62.8 50.6 76.0

111 43.2 35.0 52.6



#14

1,2-Dichlorobenzene

Concen: 39.308 ng

RT: 7.140 min Scan# 841

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

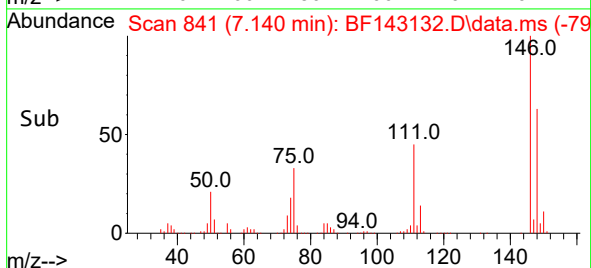
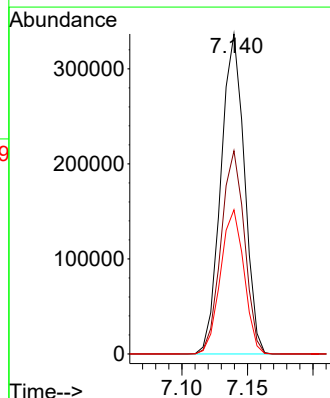
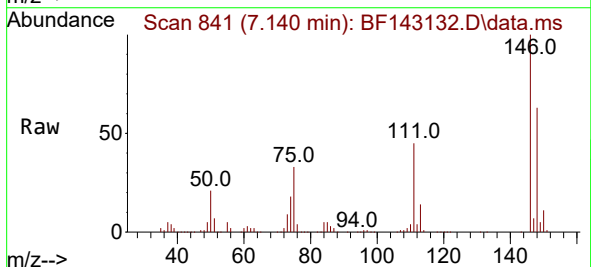
Tgt Ion:146 Resp: 418979

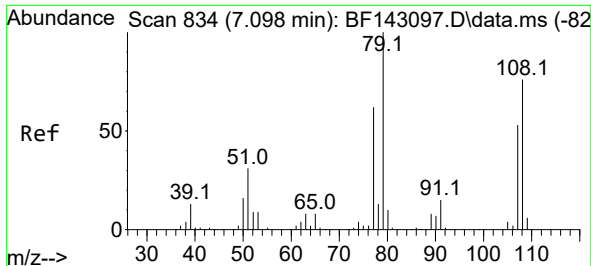
Ion Ratio Lower Upper

146 100

148 63.5 49.8 74.6

111 45.0 35.4 53.0





#15

Benzyl Alcohol

Concen: 41.845 ng

RT: 7.098 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

Instrument :

BNA_F

ClientSampleId :

TP-17MSD

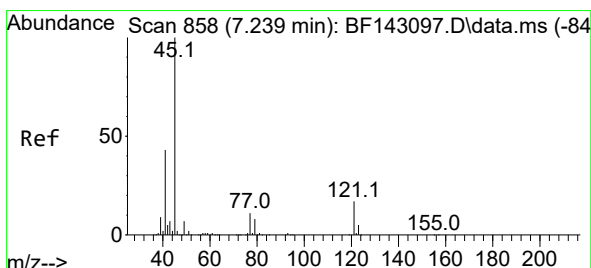
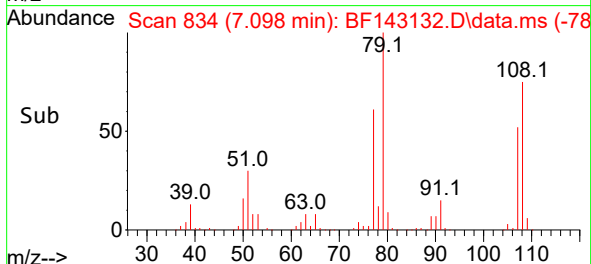
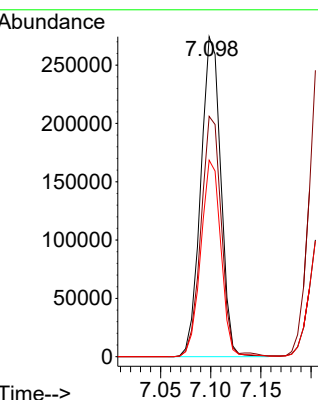
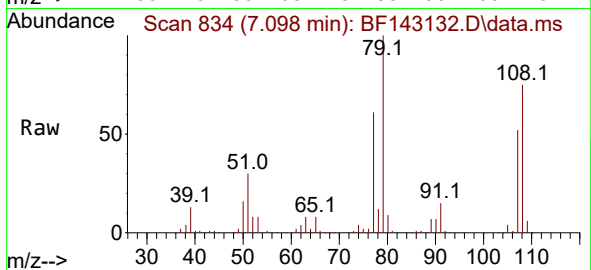
Tgt Ion: 79 Resp: 381475

Ion Ratio Lower Upper

79 100

108 75.1 61.1 91.7

77 61.4 49.9 74.9



#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.744 ng

RT: 7.240 min Scan# 858

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

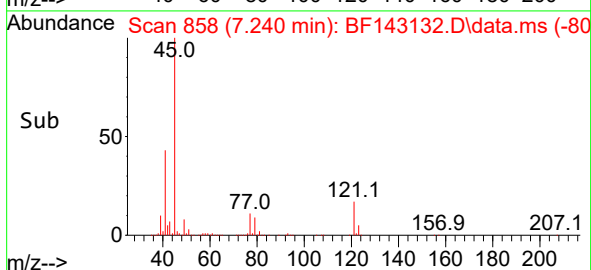
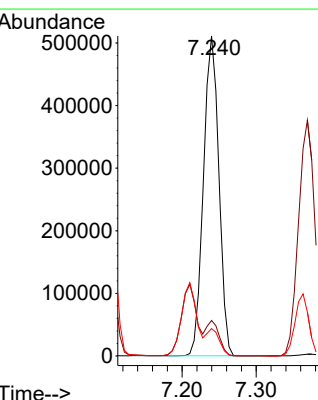
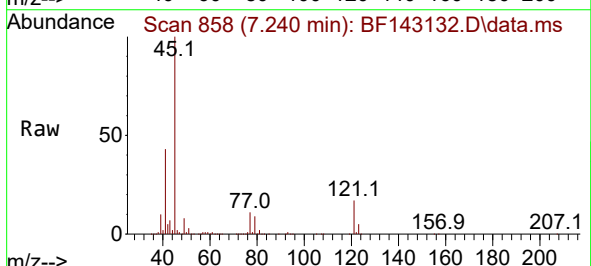
Tgt Ion: 45 Resp: 736414

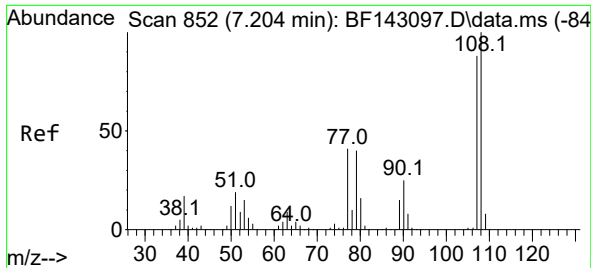
Ion Ratio Lower Upper

45 100

77 11.1 0.0 31.1

79 8.6 0.0 28.4

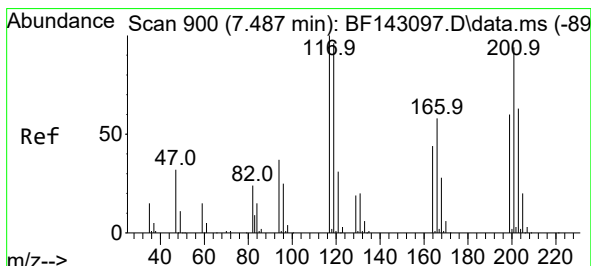
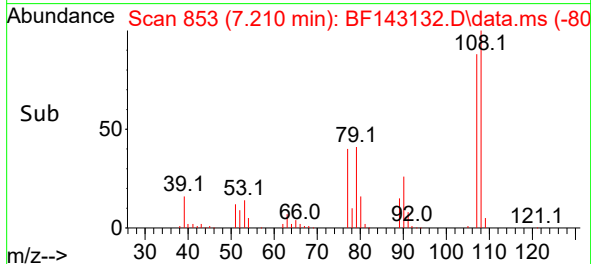
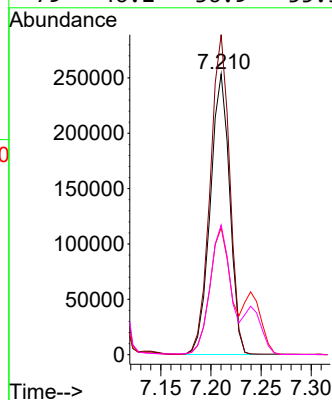
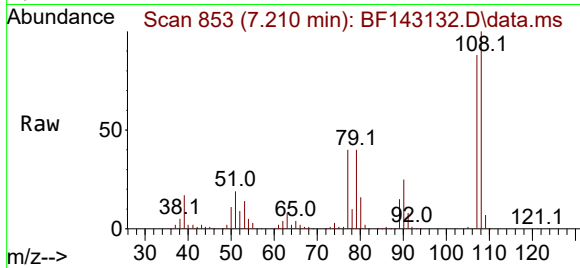




#17
2-Methylphenol
Concen: 40.217 ng
RT: 7.210 min Scan# 852
Delta R.T. 0.006 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

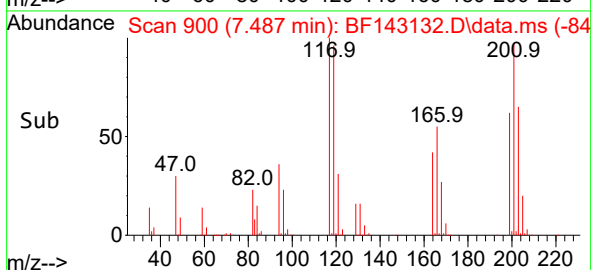
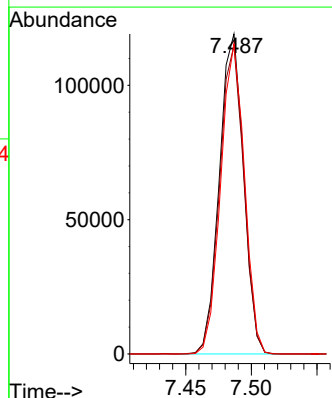
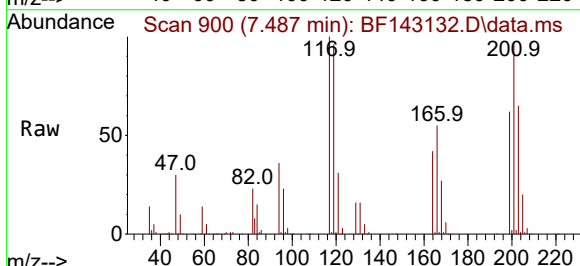
Instrument :
BNA_F
ClientSampleId :
TP-17MSD

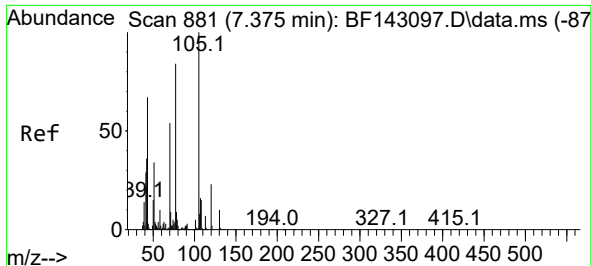
Tgt Ion:	107	Resp:	341298
Ion	Ratio	Lower	Upper
107	100		
108	114.0	90.9	136.3
77	45.2	37.5	56.3
79	46.2	36.9	55.3



#18
Hexachloroethane
Concen: 42.022 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:	117	Resp:	152901
Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.7	115.1
201	96.9	75.0	112.4

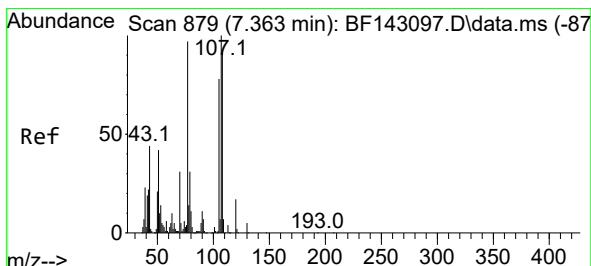
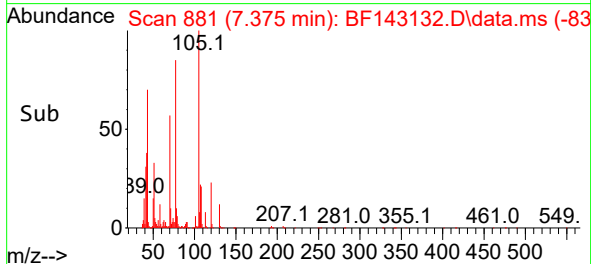
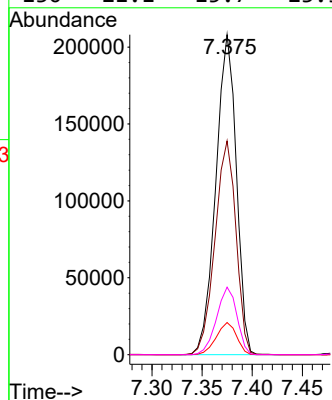
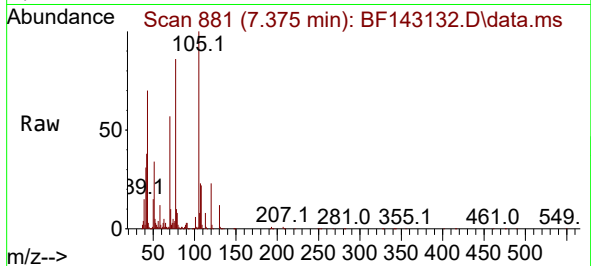




#19
n-Nitroso-di-n-propylamine
Concen: 39.267 ng
RT: 7.375 min Scan# 881
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

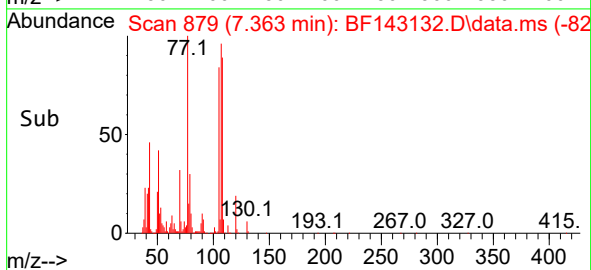
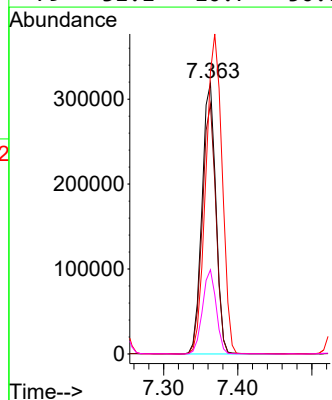
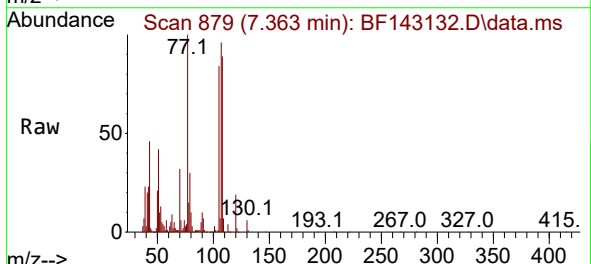
Instrument :
BNA_F
ClientSampleId :
TP-17MSD

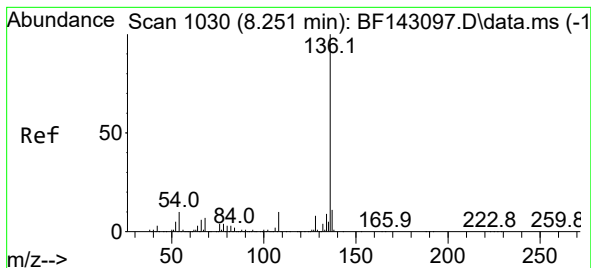
Tgt Ion:	70	Resp:	295976
Ion	Ratio	Lower	Upper
70	100		
42	66.8	53.2	79.8
101	10.0	7.5	11.3
130	21.1	15.7	23.5



#20
3+4-Methylphenols
Concen: 39.943 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:	107	Resp:	415708
Ion	Ratio	Lower	Upper
107	100		
108	92.3	71.3	111.3
77	103.9	77.2	117.2
79	31.1	10.7	50.7





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.251 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

Instrument :

BNA_F

ClientSampleId :

TP-17MSD

Tgt Ion:136 Resp: 573690

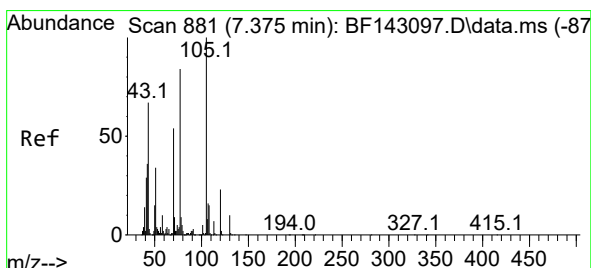
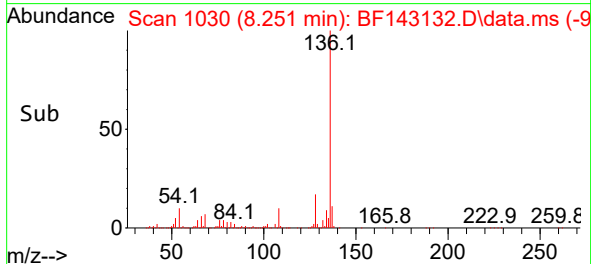
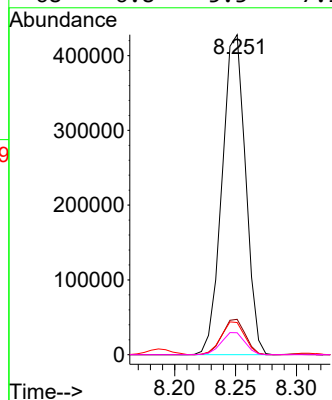
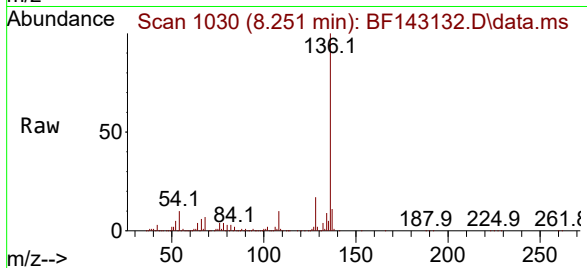
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 10.1 8.3 12.5

68 6.8 5.3 7.9



#22

Acetophenone

Concen: 39.979 ng

RT: 7.369 min Scan# 880

Delta R.T. -0.006 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

Tgt Ion:105 Resp: 552881

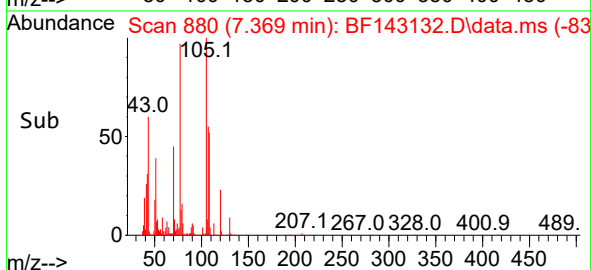
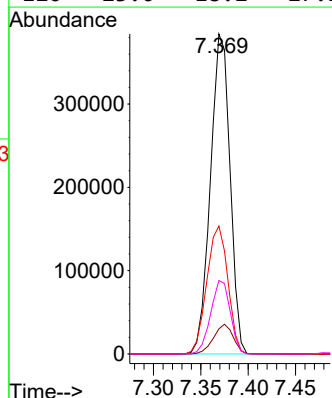
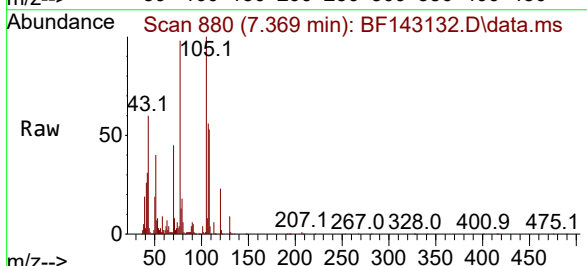
Ion Ratio Lower Upper

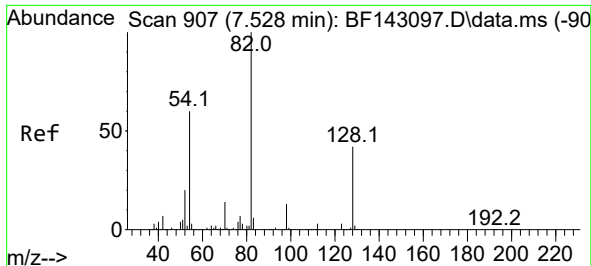
105 100

71 7.8 7.2 10.8

51 40.0 27.0 40.4

120 23.0 18.2 27.2

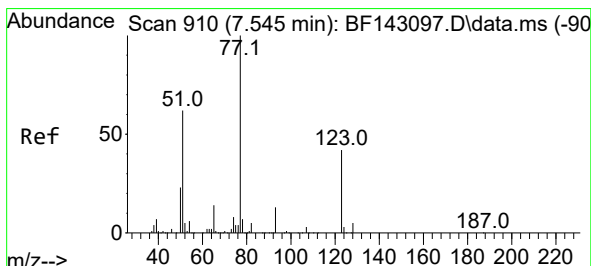
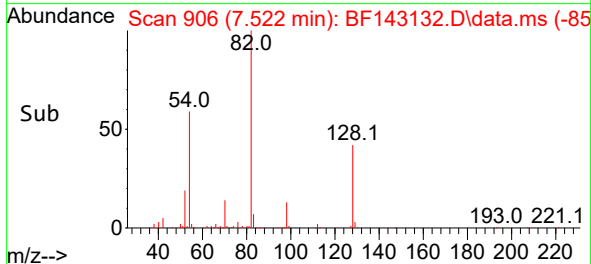
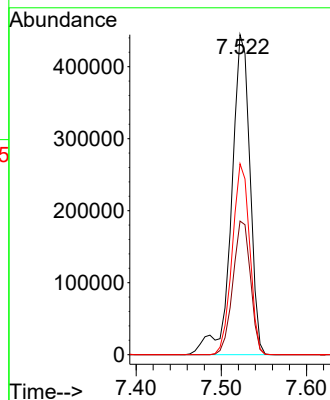
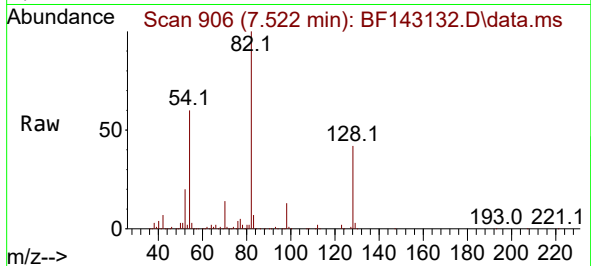




#23
Nitrobenzene-d5
Concen: 65.432 ng
RT: 7.522 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

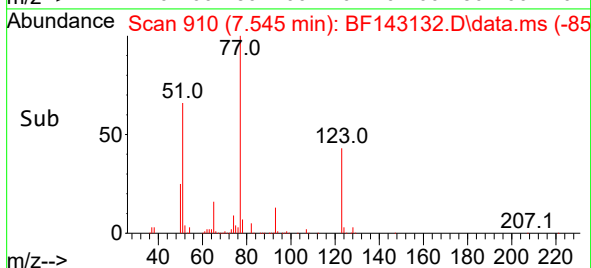
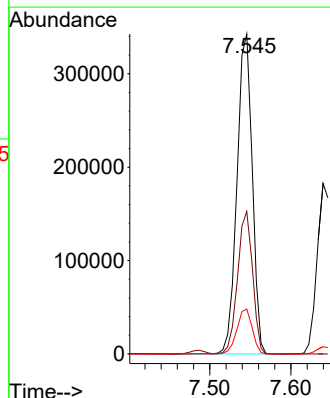
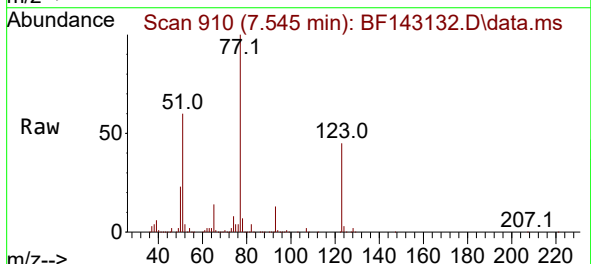
Instrument :
BNA_F
ClientSampleId :
TP-17MSD

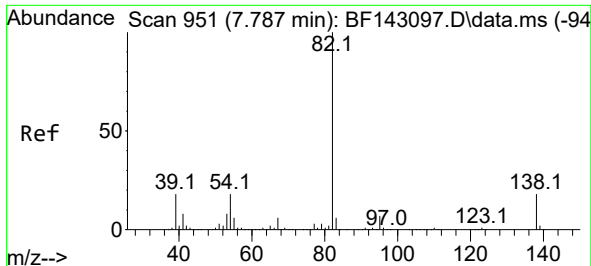
Tgt Ion: 82 Resp: 669140
Ion Ratio Lower Upper
82 100
128 41.8 33.3 49.9
54 59.6 47.4 71.2



#24
Nitrobenzene
Concen: 45.189 ng
RT: 7.545 min Scan# 910
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion: 77 Resp: 446124
Ion Ratio Lower Upper
77 100
123 44.5 34.5 51.7
65 14.1 11.3 16.9

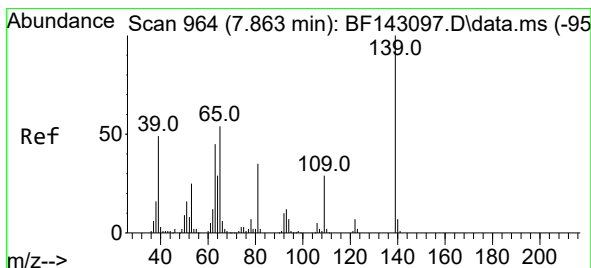
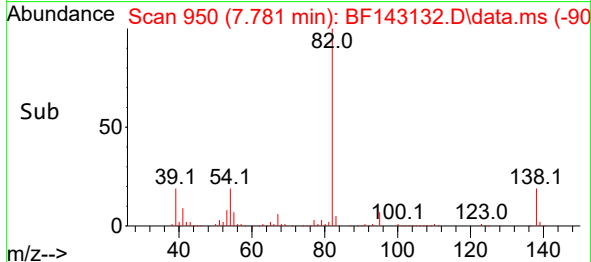
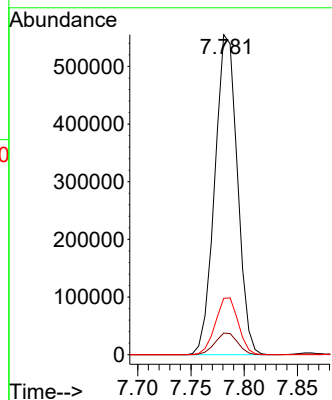
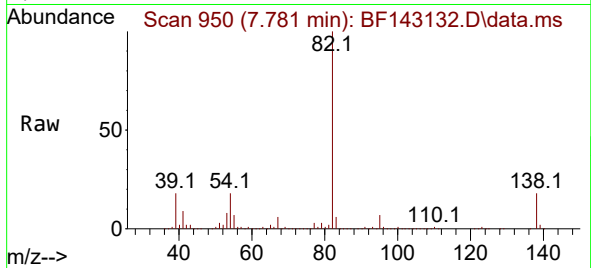




#25
Isophorone
Concen: 41.377 ng
RT: 7.781 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

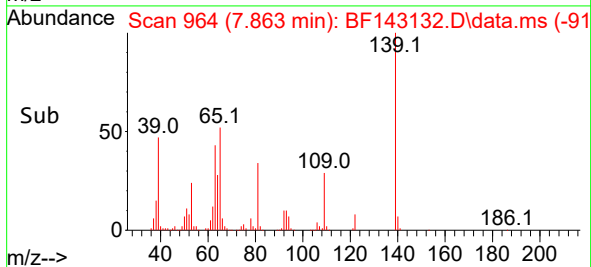
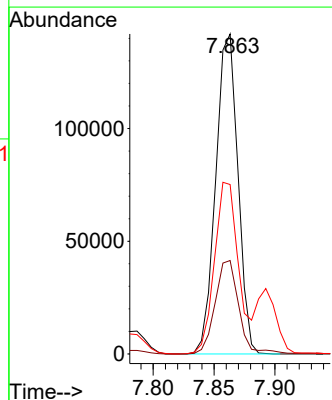
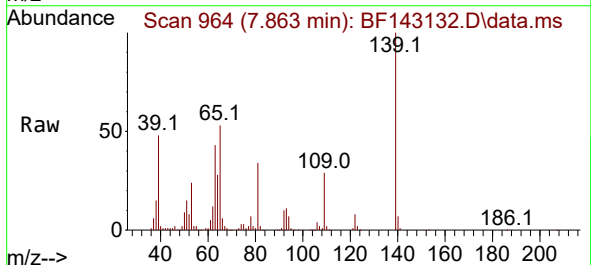
Instrument :
BNA_F
ClientSampleId :
TP-17MSD

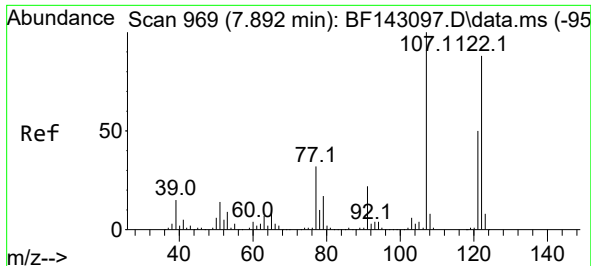
Tgt Ion: 82 Resp: 817872
Ion Ratio Lower Upper
82 100
95 6.7 5.6 8.4
138 17.6 14.3 21.5



#26
2-Nitrophenol
Concen: 45.858 ng
RT: 7.863 min Scan# 964
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:139 Resp: 180165
Ion Ratio Lower Upper
139 100
109 29.2 23.4 35.0
65 52.9 43.4 65.2





#27

2,4-Dimethylphenol

Concen: 41.536 ng

RT: 7.893 min Scan# 90

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

Instrument :

BNA_F

ClientSampleId :

TP-17MSD

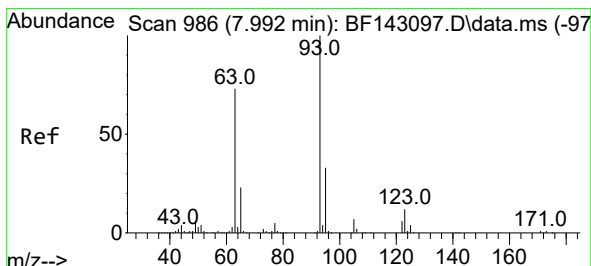
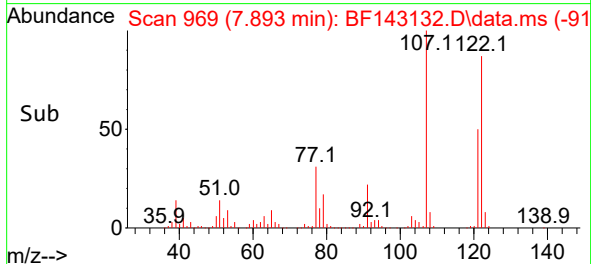
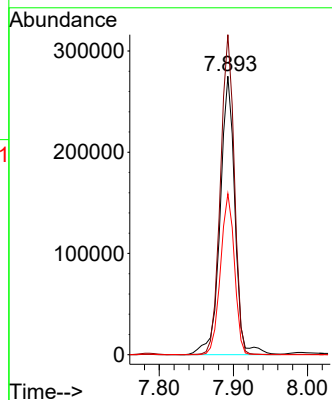
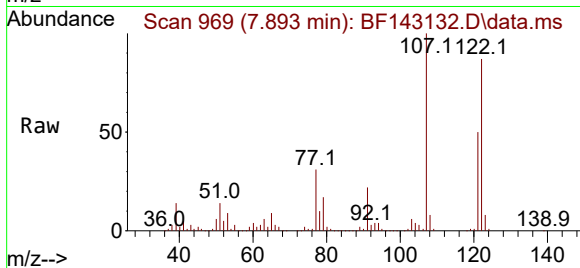
Tgt Ion:122 Resp: 381063

Ion Ratio Lower Upper

122 100

107 114.9 91.3 136.9

121 57.8 45.5 68.3



#28

bis(2-Chloroethoxy)methane

Concen: 41.068 ng

RT: 7.993 min Scan# 986

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

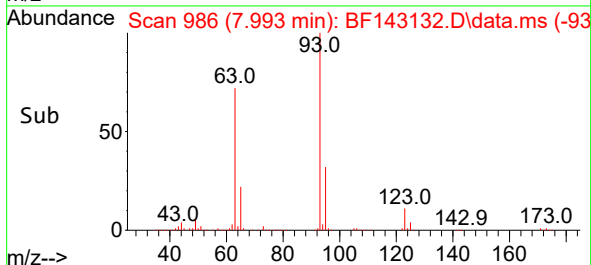
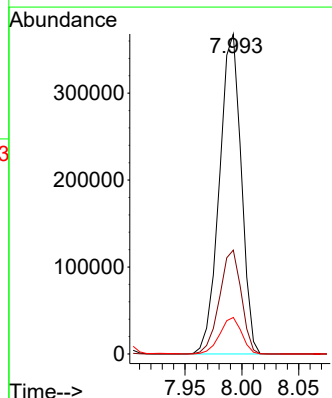
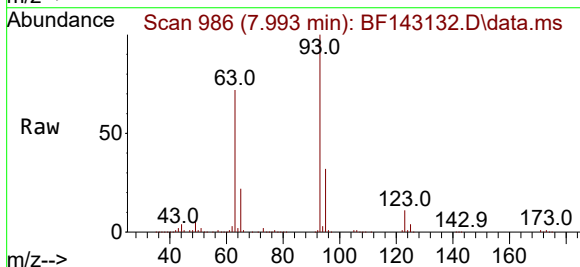
Tgt Ion: 93 Resp: 492251

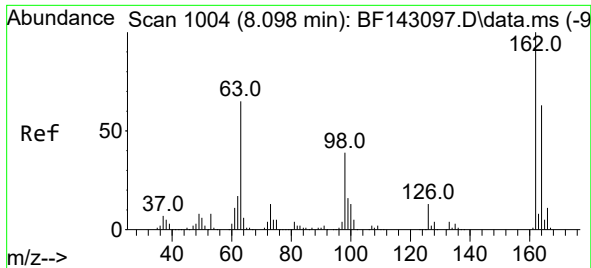
Ion Ratio Lower Upper

93 100

95 32.4 26.2 39.4

123 11.4 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 42.246 ng

RT: 8.098 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

Instrument :

BNA_F

ClientSampleId :

TP-17MSD

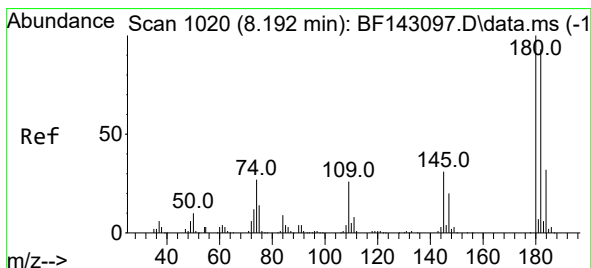
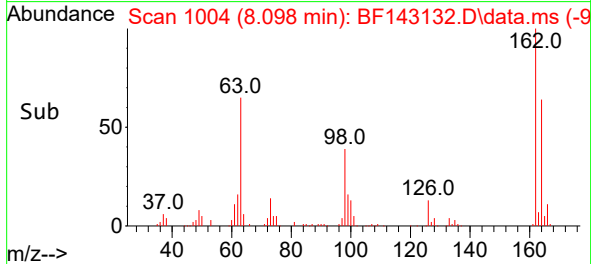
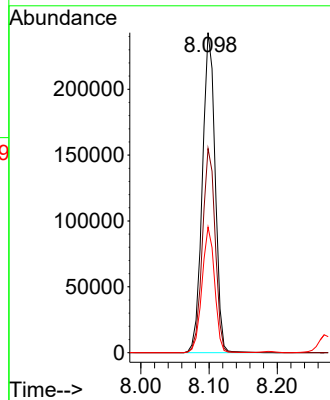
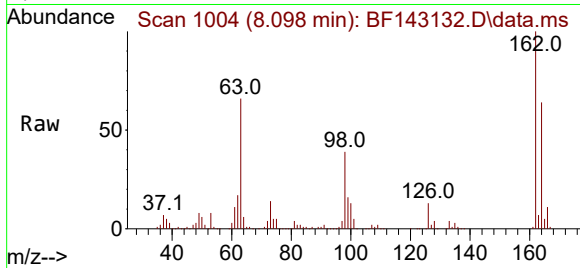
Tgt Ion:162 Resp: 317079

Ion Ratio Lower Upper

162 100

164 63.8 43.1 83.1

98 39.2 19.2 59.2



#30

1,2,4-Trichlorobenzene

Concen: 40.867 ng

RT: 8.187 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

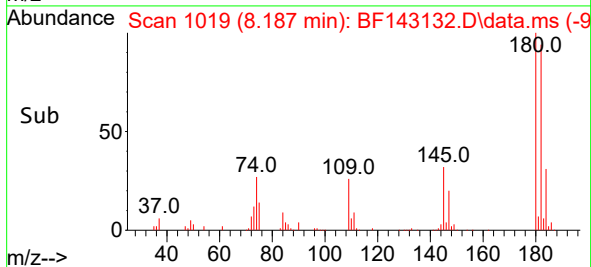
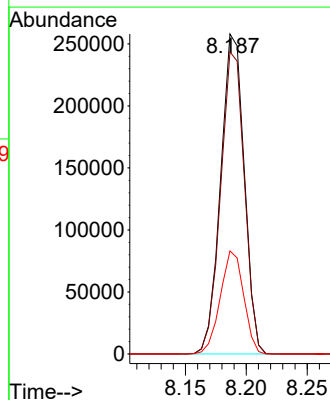
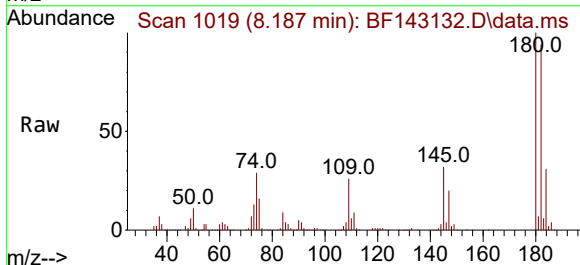
Tgt Ion:180 Resp: 348097

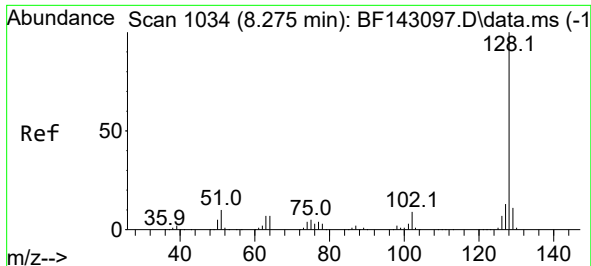
Ion Ratio Lower Upper

180 100

182 94.4 74.7 112.1

145 32.2 24.5 36.7

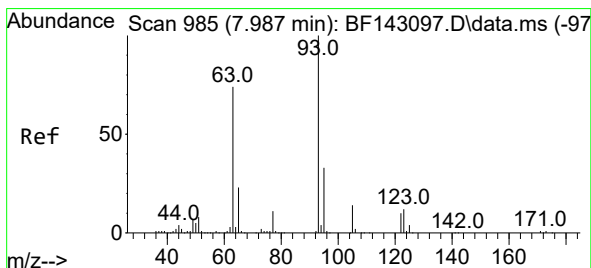
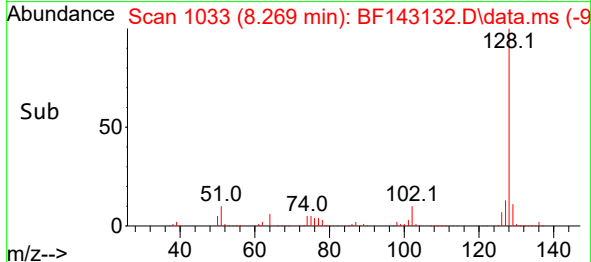
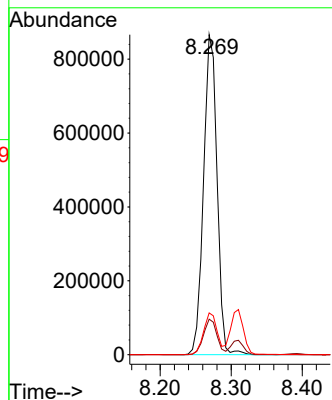
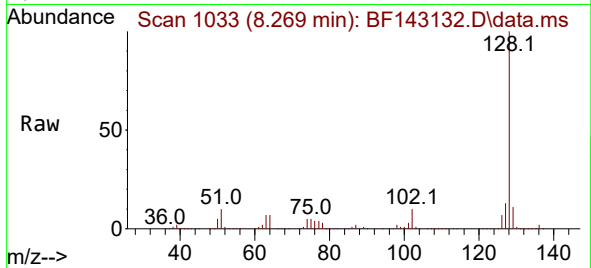




#31
Naphthalene
Concen: 40.233 ng
RT: 8.269 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

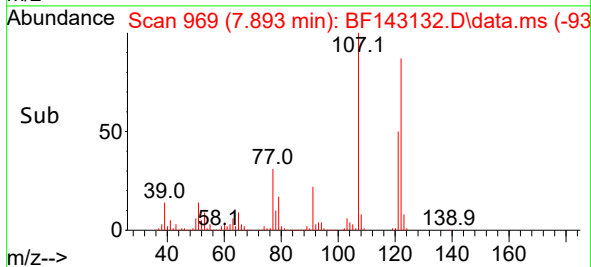
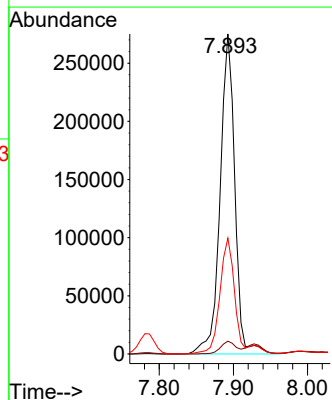
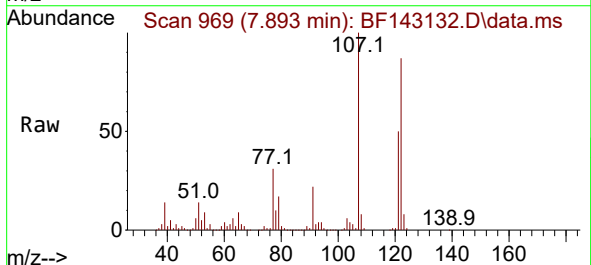
Instrument :
BNA_F
ClientSampleId :
TP-17MSD

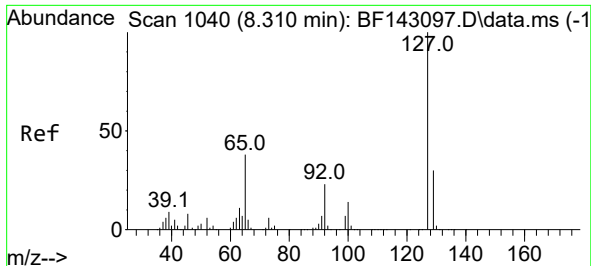
Tgt Ion:128 Resp: 1146191
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 13.1 10.5 15.7



#32
Benzoic acid
Concen: 78.557 ng
RT: 7.893 min Scan# 969
Delta R.T. -0.094 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:122 Resp: 381063
Ion Ratio Lower Upper
122 100
105 4.0 105.4 145.4#
77 36.2 78.6 118.6#

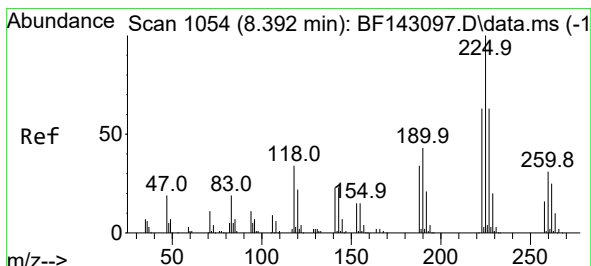
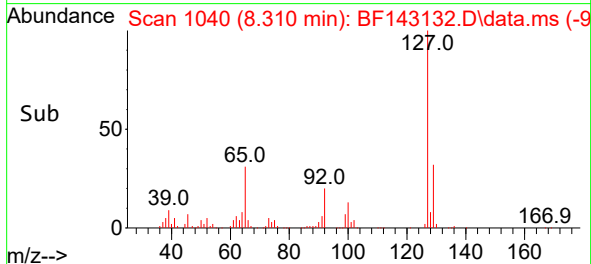
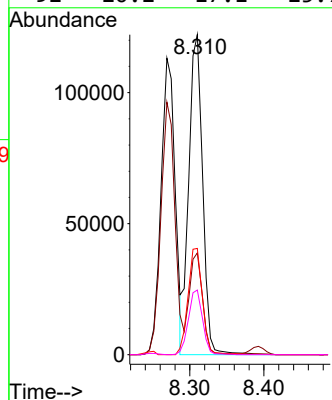
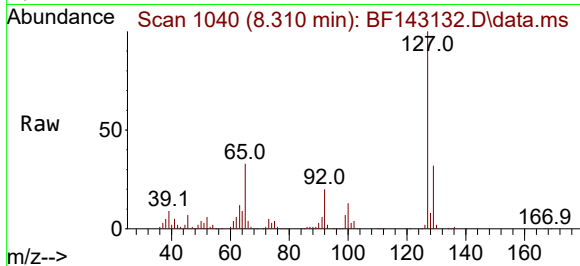




#33
4-Chloroaniline
Concen: 13.900 ng
RT: 8.310 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

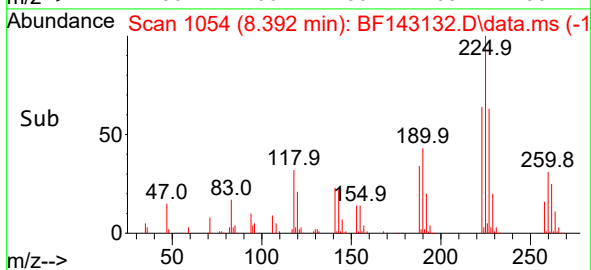
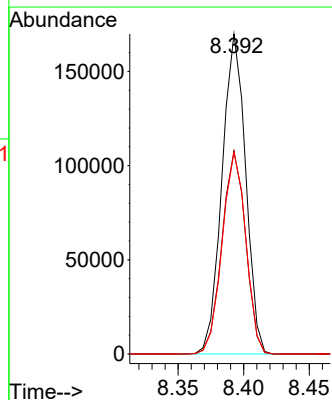
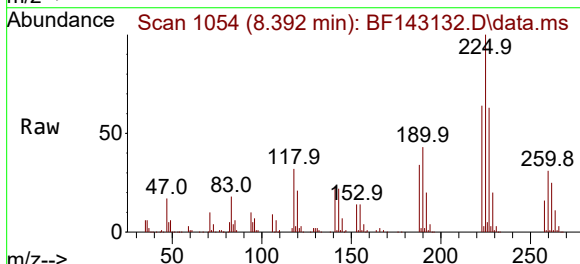
Instrument :
BNA_F
ClientSampleId :
TP-17MSD

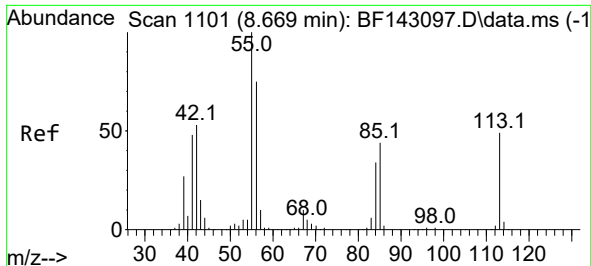
Tgt Ion:	127	Resp:	159239
Ion	Ratio	Lower	Upper
127	100		
129	31.8	26.2	39.4
65	33.2	28.6	42.8
92	20.2	17.1	25.7



#34
Hexachlorobutadiene
Concen: 41.692 ng
RT: 8.392 min Scan# 1054
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:	225	Resp:	212383
Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.3	75.5
227	63.0	50.1	75.1

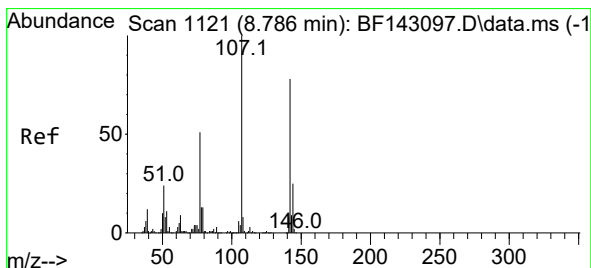
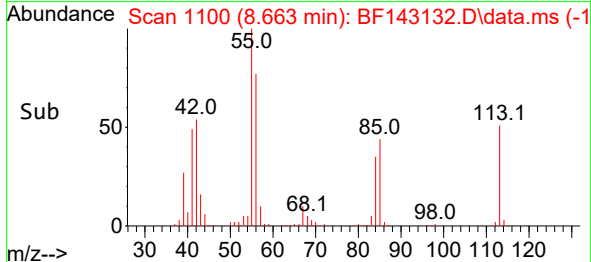
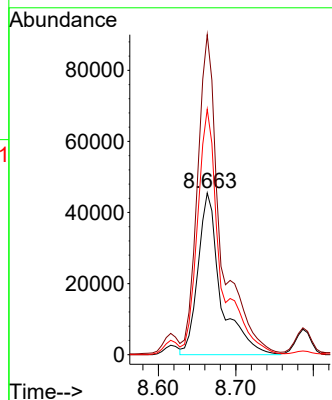
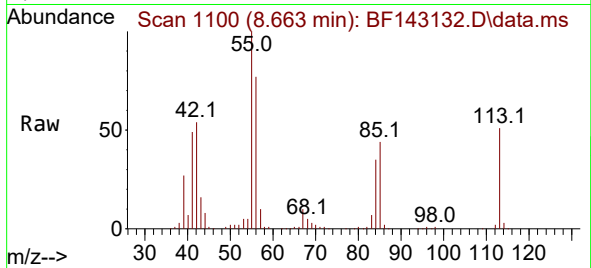




#35
 Caprolactam
 Concen: 39.630 ng
 RT: 8.663 min Scan# 1100
 Delta R.T. -0.006 min
 Lab File: BF143132.D
 Acq: 17 Jul 2025 03:03

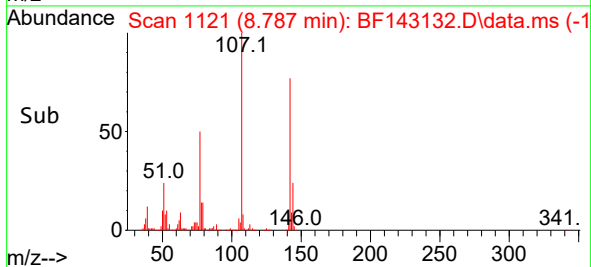
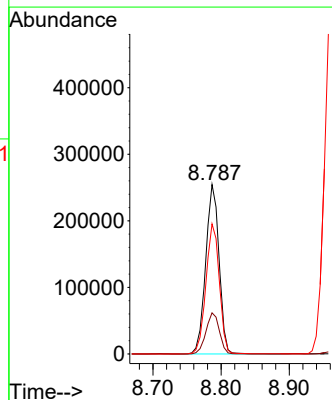
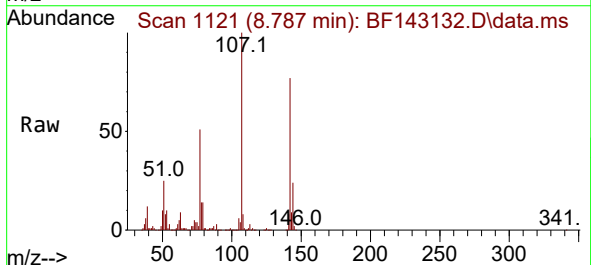
Instrument :
 BNA_F
 ClientSampleId :
 TP-17MSD

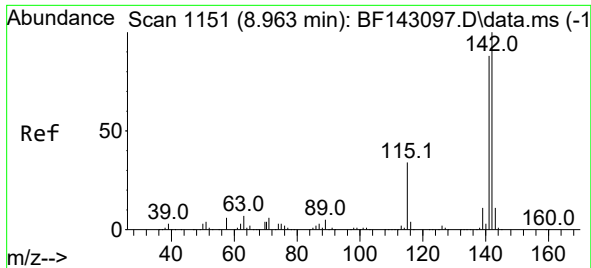
Tgt Ion:113 Resp: 92881
 Ion Ratio Lower Upper
 113 100
 55 197.8 186.2 226.2
 56 151.8 134.1 174.1



#36
 4-Chloro-3-methylphenol
 Concen: 41.626 ng
 RT: 8.787 min Scan# 1121
 Delta R.T. 0.000 min
 Lab File: BF143132.D
 Acq: 17 Jul 2025 03:03

Tgt Ion:107 Resp: 348019
 Ion Ratio Lower Upper
 107 100
 144 24.3 20.2 30.2
 142 76.7 62.4 93.6

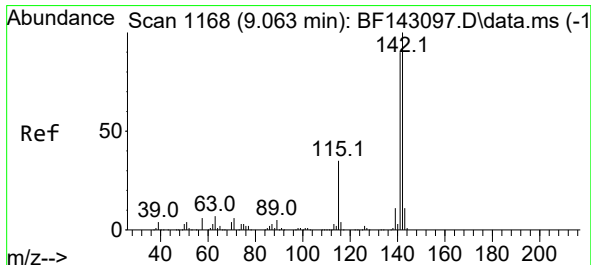
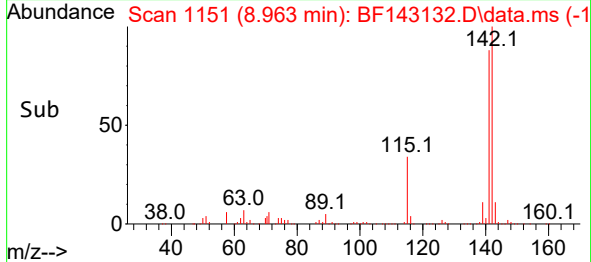
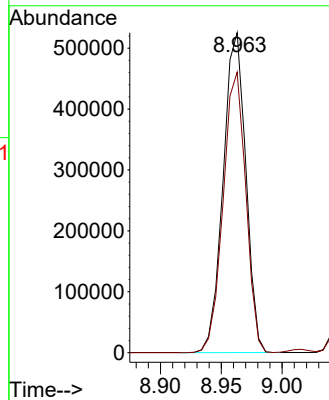
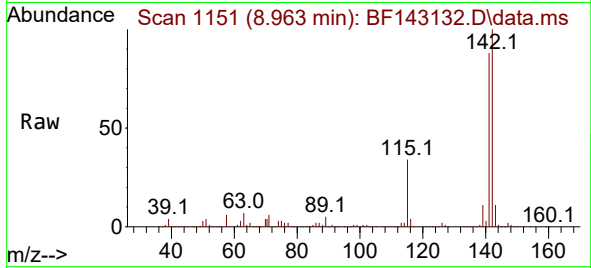




#37
2-Methylnaphthalene
Concen: 40.043 ng
RT: 8.963 min Scan# 1151
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

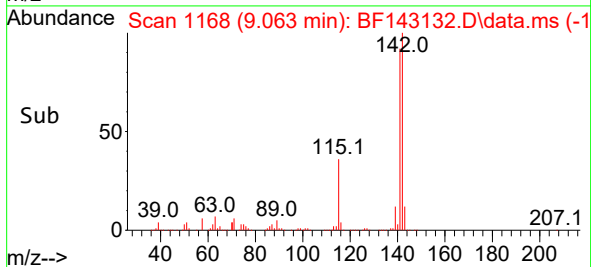
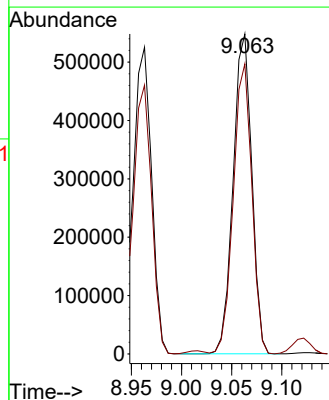
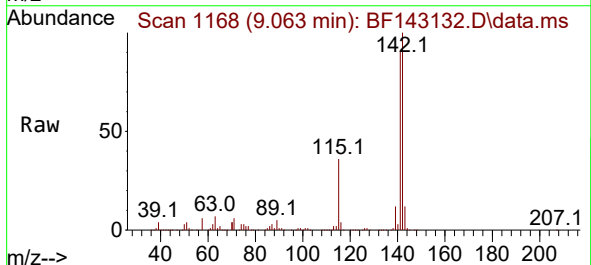
Instrument :
BNA_F
ClientSampleId :
TP-17MSD

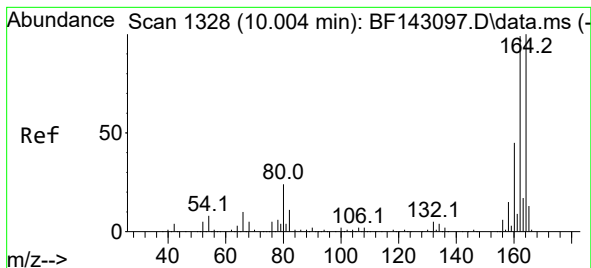
Tgt Ion:142 Resp: 680541
Ion Ratio Lower Upper
142 100
141 87.6 70.2 105.2



#38
1-Methylnaphthalene
Concen: 40.264 ng
RT: 9.063 min Scan# 1168
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:142 Resp: 709748
Ion Ratio Lower Upper
142 100
141 90.7 72.2 108.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 1179

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

Instrument :

BNA_F

ClientSampleId :

TP-17MSD

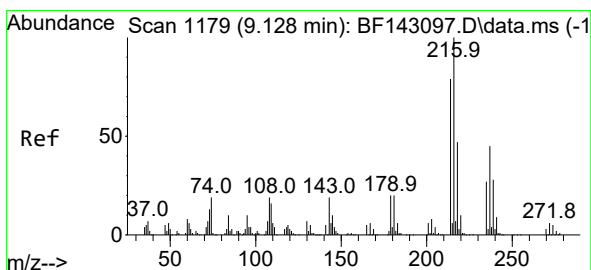
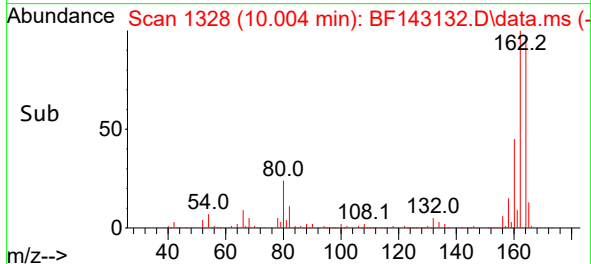
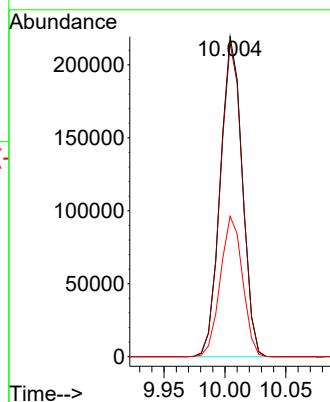
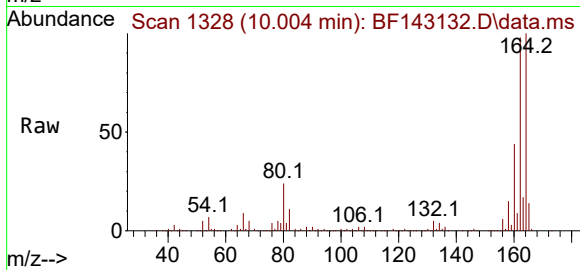
Tgt Ion:164 Resp: 274130

Ion Ratio Lower Upper

164 100

162 98.0 79.0 118.6

160 43.9 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 41.667 ng

RT: 9.128 min Scan# 1179

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

Tgt Ion:216 Resp: 332868

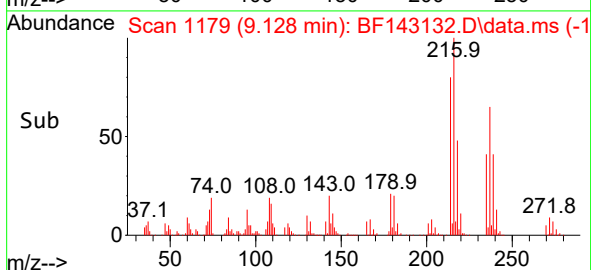
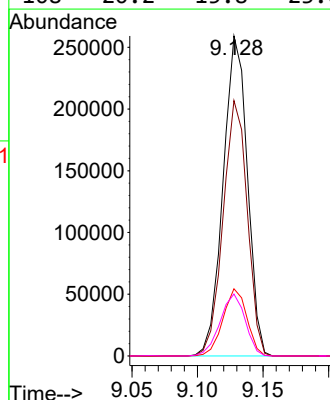
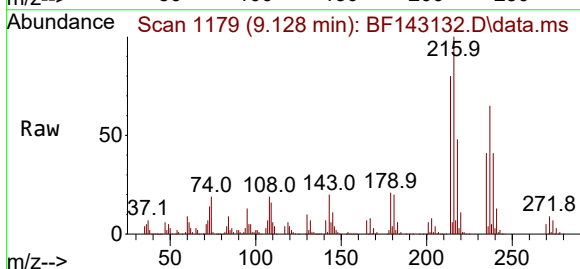
Ion Ratio Lower Upper

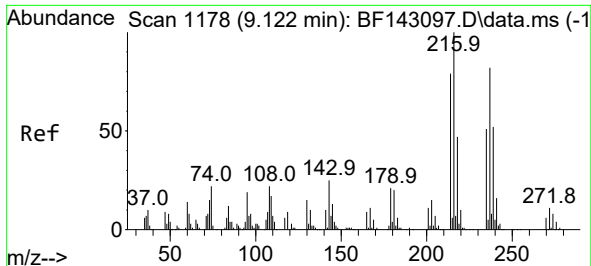
216 100

214 79.4 62.6 94.0

179 20.7 16.2 24.2

108 20.2 15.8 23.6

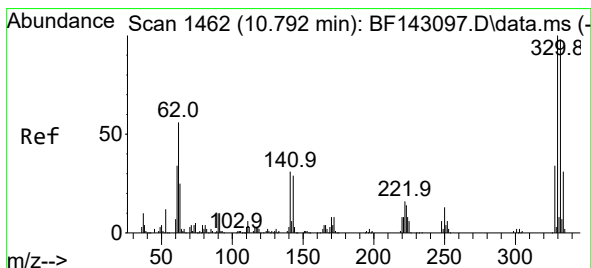
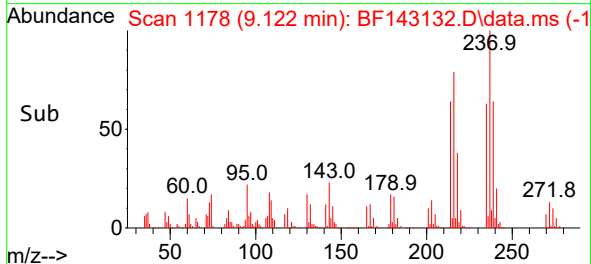
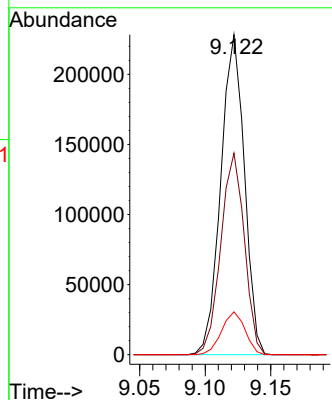
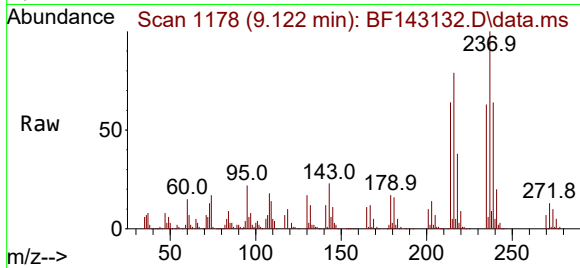




#41
Hexachlorocyclopentadiene
Concen: 64.416 ng
RT: 9.122 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

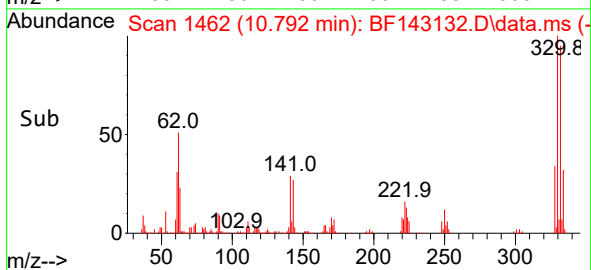
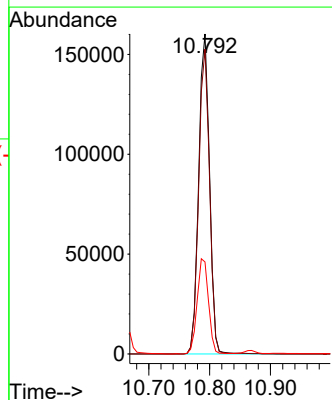
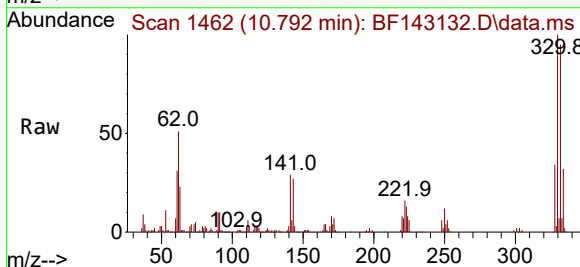
Instrument :
BNA_F
ClientSampleId :
TP-17MSD

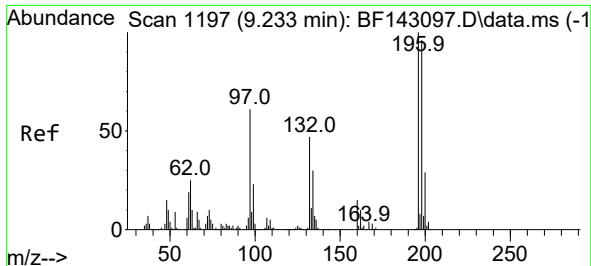
Tgt Ion:237 Resp: 285312
Ion Ratio Lower Upper
237 100
235 62.9 41.6 81.6
272 13.4 0.0 32.9



#42
2,4,6-Tribromophenol
Concen: 81.226 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:330 Resp: 198539
Ion Ratio Lower Upper
330 100
332 95.1 77.9 116.9
141 31.1 25.9 38.9

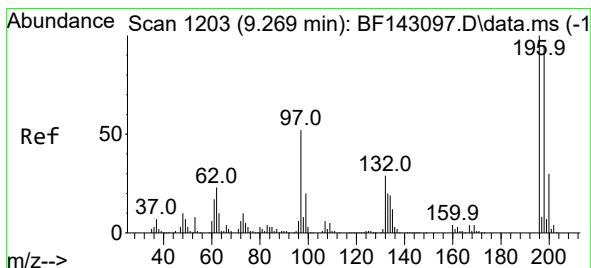
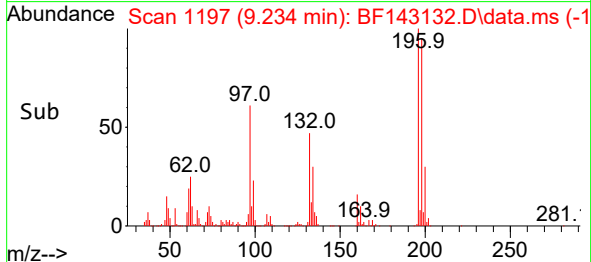
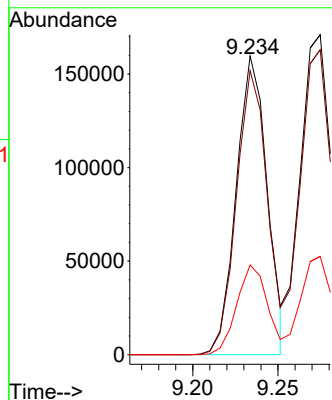
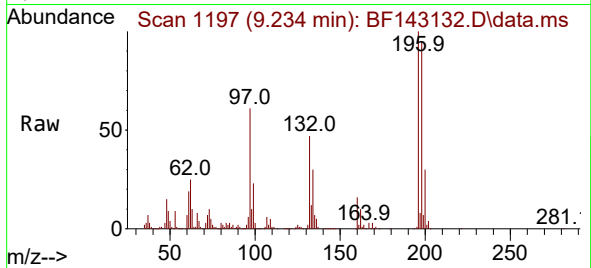




#43
2,4,6-Trichlorophenol
Concen: 40.479 ng
RT: 9.234 min Scan# 1197
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

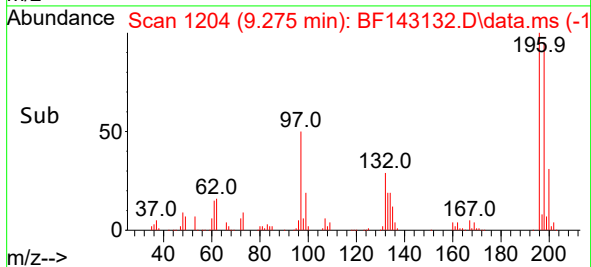
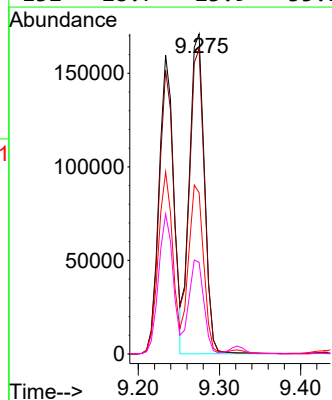
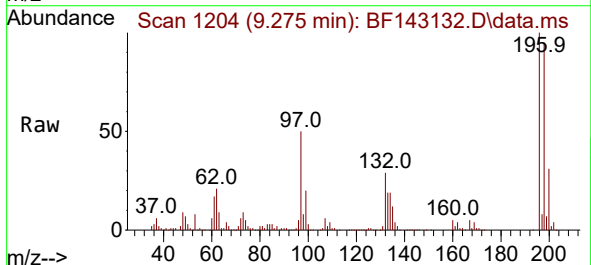
Instrument :
BNA_F
ClientSampleId :
TP-17MSD

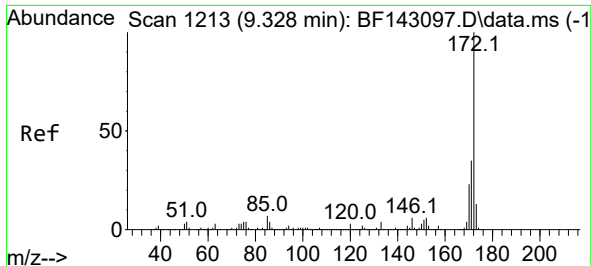
Tgt Ion:196 Resp: 200935
Ion Ratio Lower Upper
196 100
198 95.1 76.9 115.3
200 30.1 23.5 35.3



#44
2,4,5-Trichlorophenol
Concen: 42.469 ng
RT: 9.275 min Scan# 1204
Delta R.T. 0.006 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:196 Resp: 221043
Ion Ratio Lower Upper
196 100
198 95.3 76.4 114.6
97 50.4 42.4 63.6
132 28.7 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 53.645 ng

RT: 9.322 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

Instrument :

BNA_F

ClientSampleId :

TP-17MSD

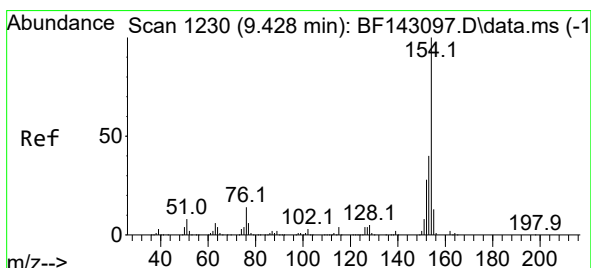
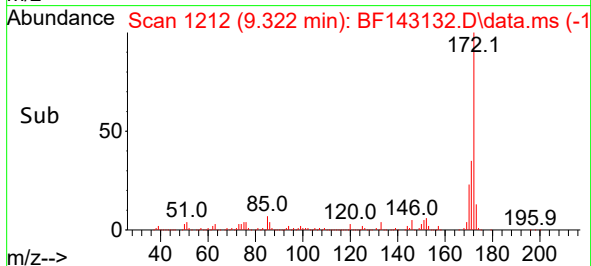
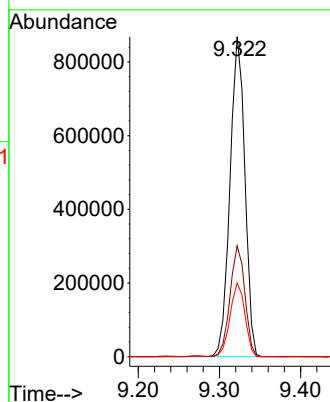
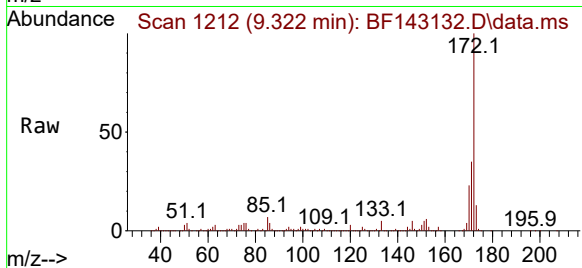
Tgt Ion:172 Resp: 1106288

Ion Ratio Lower Upper

172 100

171 34.6 28.2 42.4

170 23.0 18.6 28.0



#46

1,1'-Biphenyl

Concen: 41.515 ng

RT: 9.422 min Scan# 1229

Delta R.T. -0.006 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

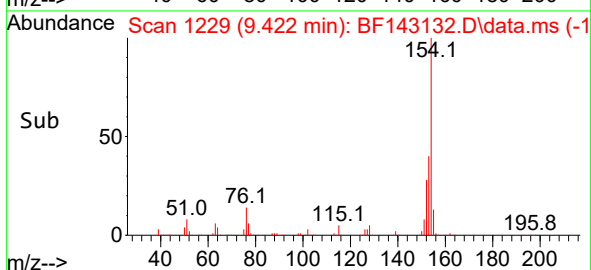
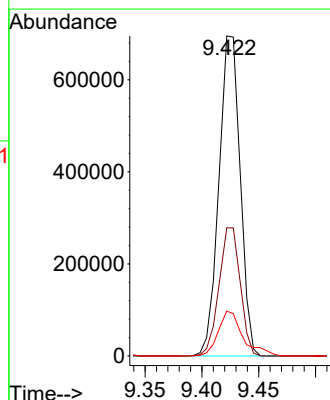
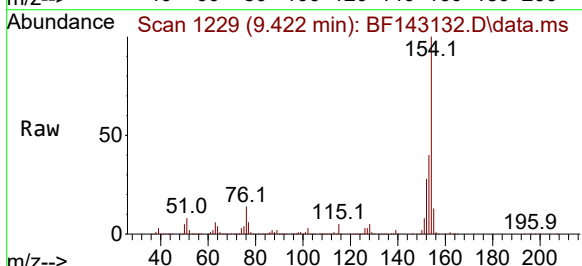
Tgt Ion:154 Resp: 907562

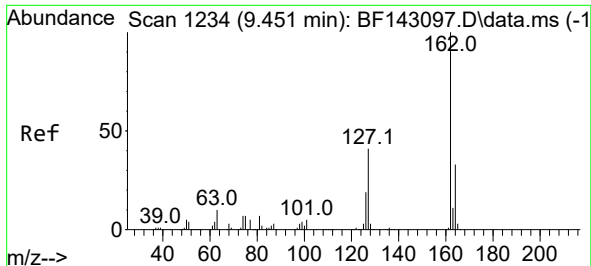
Ion Ratio Lower Upper

154 100

153 40.0 20.1 60.1

76 14.0 0.0 33.7

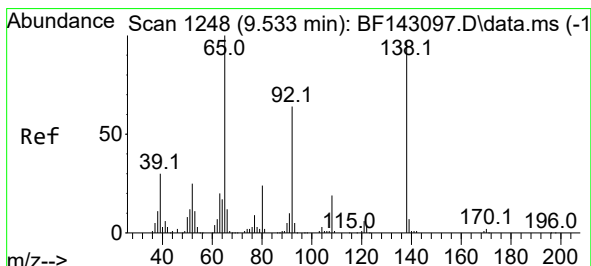
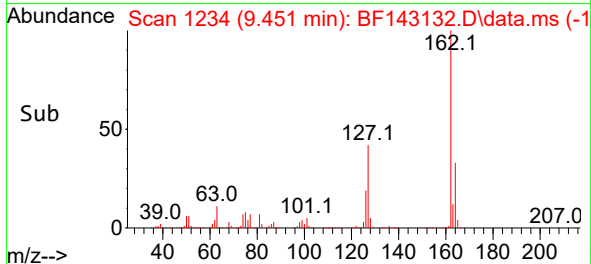
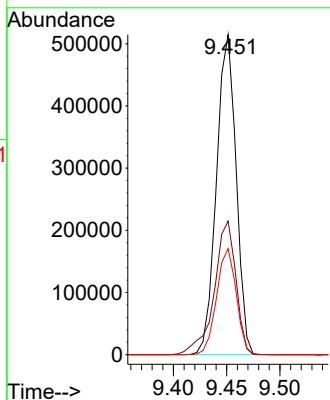
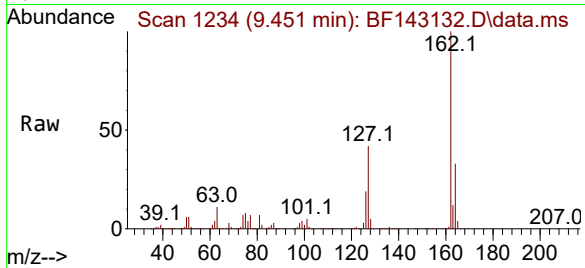




#47
2-Chloronaphthalene
Concen: 41.046 ng
RT: 9.451 min Scan# 1234
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

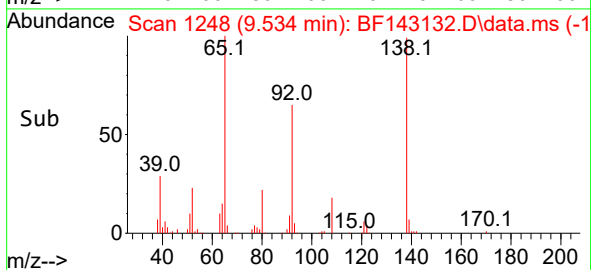
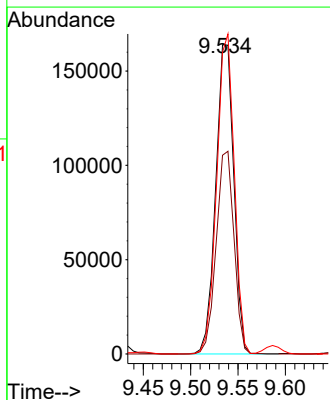
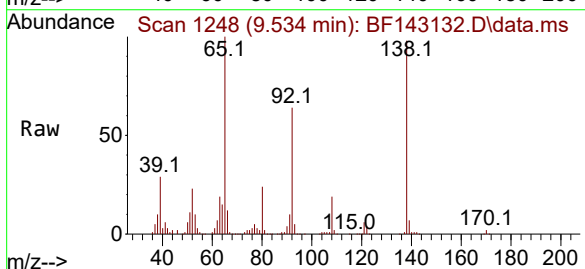
Instrument :
BNA_F
ClientSampleId :
TP-17MSD

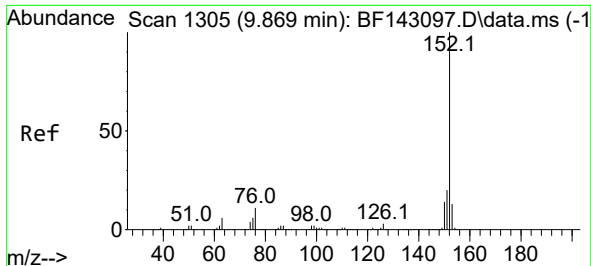
Tgt Ion:162 Resp: 659194
Ion Ratio Lower Upper
162 100
127 41.8 33.0 49.6
164 33.2 26.1 39.1



#48
2-Nitroaniline
Concen: 45.695 ng
RT: 9.534 min Scan# 1248
Delta R.T. 0.001 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion: 65 Resp: 218325
Ion Ratio Lower Upper
65 100
92 64.3 51.3 76.9
138 97.5 77.8 116.6

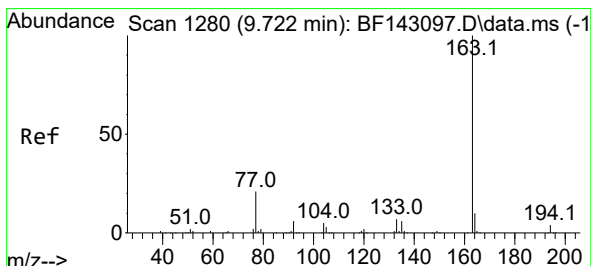
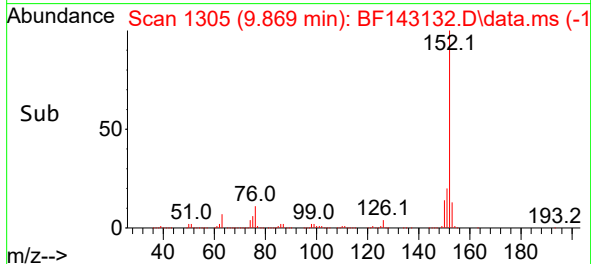
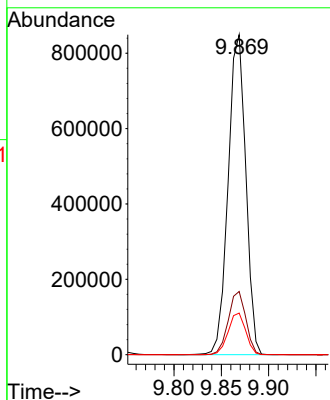
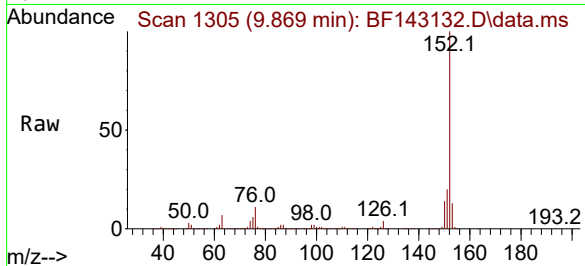




#49
Acenaphthylene
Concen: 41.125 ng
RT: 9.869 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

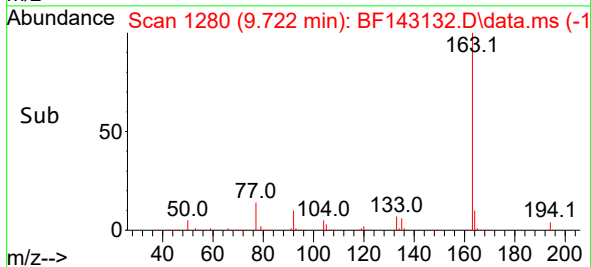
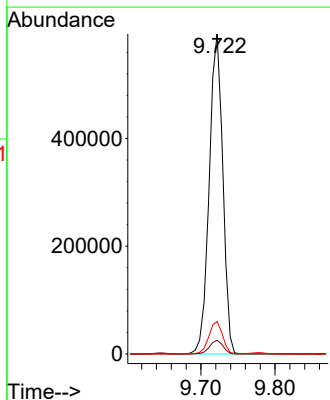
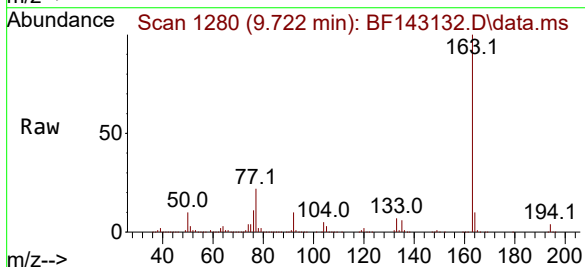
Instrument :
BNA_F
ClientSampleId :
TP-17MSD

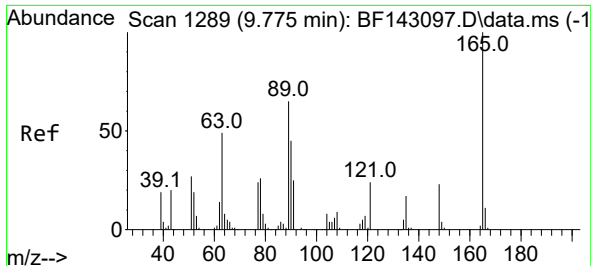
Tgt Ion:152 Resp: 1100552
Ion Ratio Lower Upper
152 100
151 19.7 15.8 23.8
153 13.0 10.4 15.6



#50
Dimethylphthalate
Concen: 43.770 ng
RT: 9.722 min Scan# 1280
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:163 Resp: 754861
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.2
164 10.1 8.2 12.2

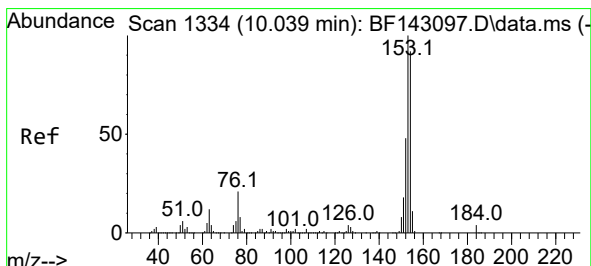
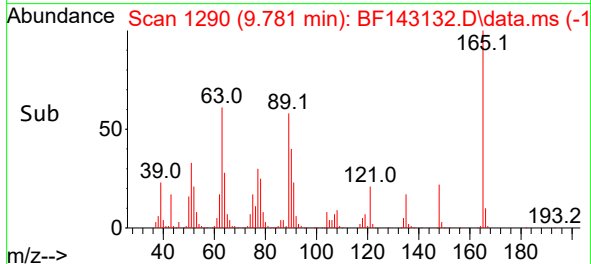
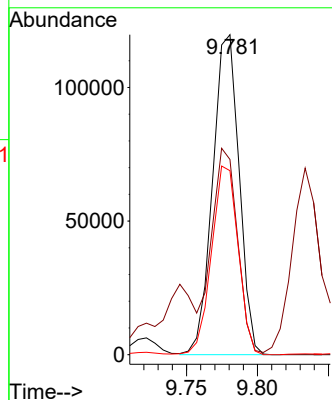
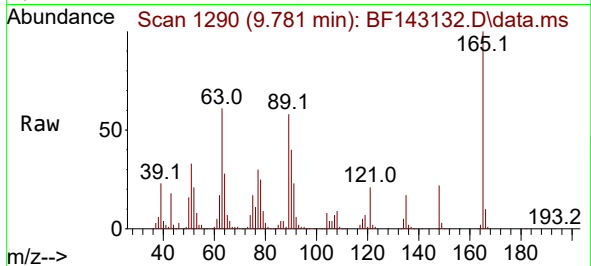




#51
2,6-Dinitrotoluene
Concen: 45.711 ng
RT: 9.781 min Scan# 1289
Delta R.T. 0.006 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

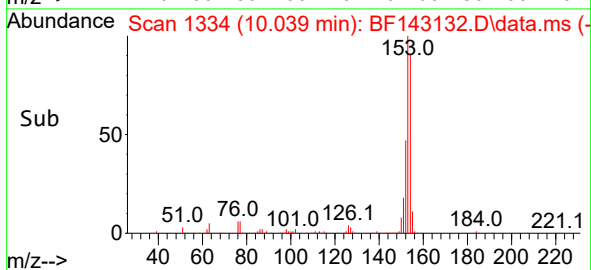
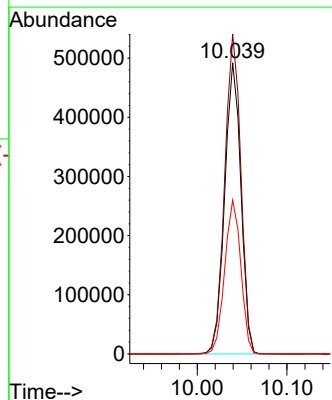
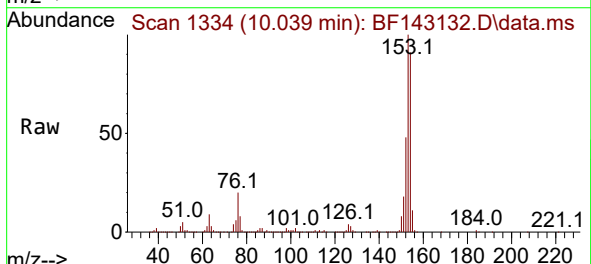
Instrument :
BNA_F
ClientSampleId :
TP-17MSD

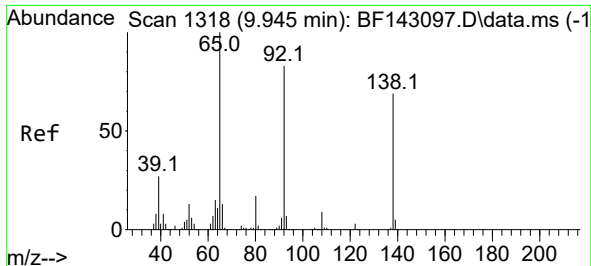
Tgt Ion:165 Resp: 155290
Ion Ratio Lower Upper
165 100
63 61.0 57.4 86.0
89 57.5 51.8 77.8



#52
Acenaphthene
Concen: 39.050 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:154 Resp: 616683
Ion Ratio Lower Upper
154 100
153 109.9 86.7 130.1
152 52.9 41.4 62.2

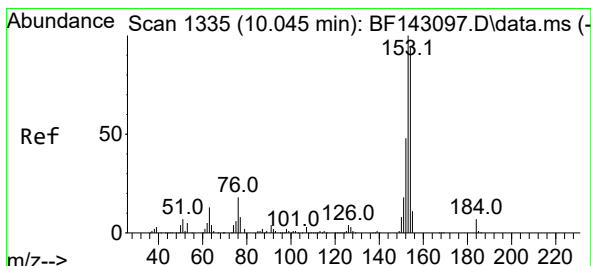
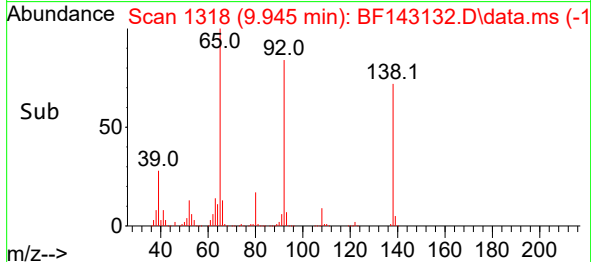
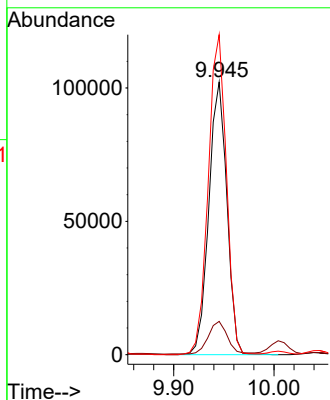
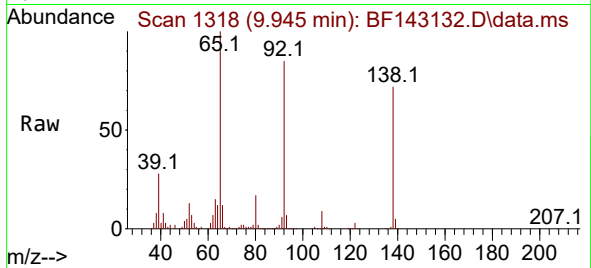




#53
3-Nitroaniline
Concen: 34.355 ng
RT: 9.945 min Scan# 1318
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

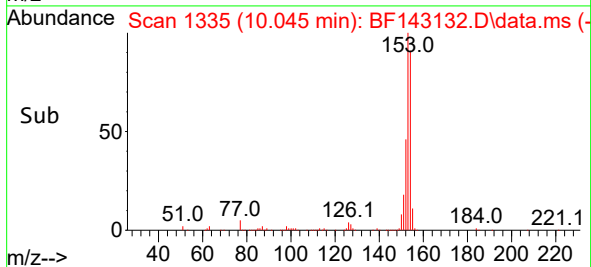
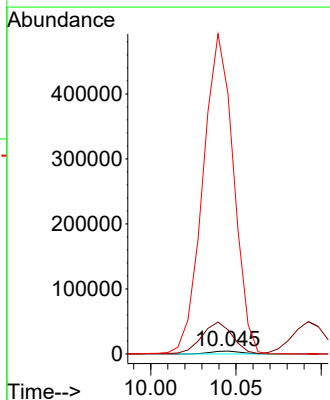
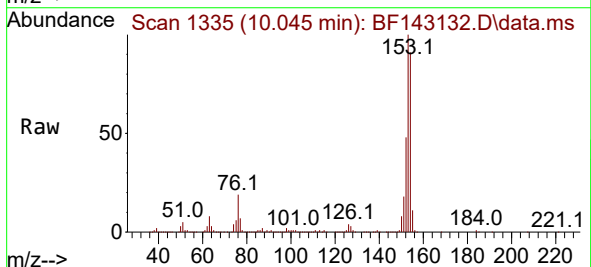
Instrument :
BNA_F
ClientSampleId :
TP-17MSD

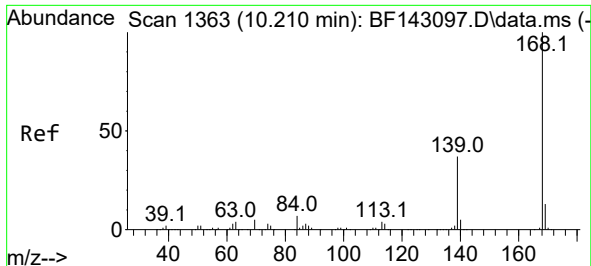
Tgt Ion:138 Resp: 128024
Ion Ratio Lower Upper
138 100
108 12.2 10.1 15.1
92 117.3 96.4 144.6



#54
2,4-Dinitrophenol
Concen: 10.510 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:184 Resp: 5497
Ion Ratio Lower Upper
184 100
63 840.0 149.3 223.9#
154 9019.7 1048.0 1572.0#

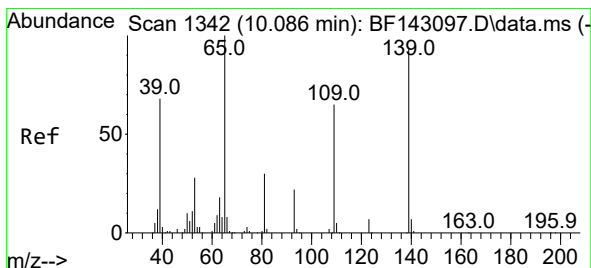
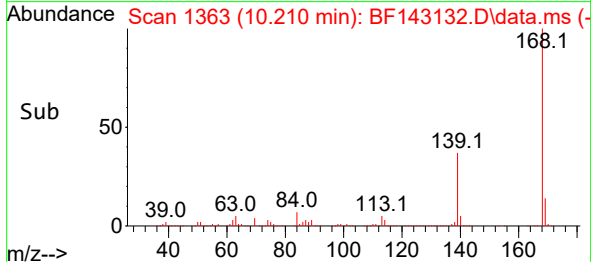
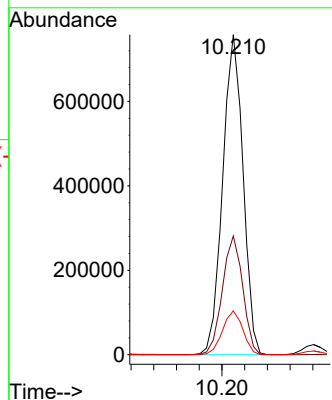
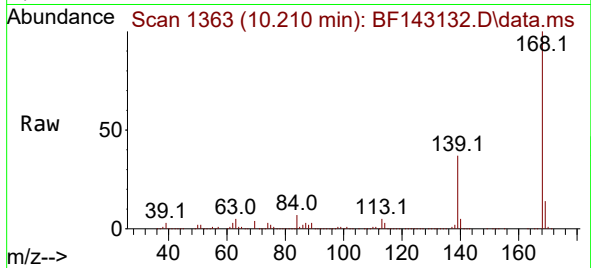




#55
Dibenzenofuran
Concen: 40.038 ng
RT: 10.210 min Scan# 1363
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

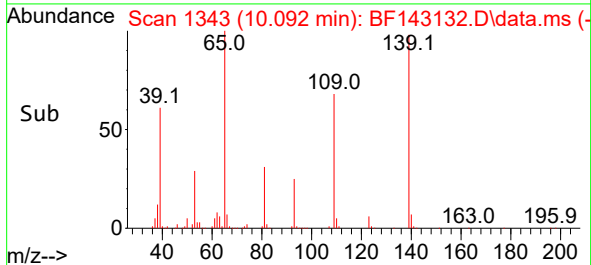
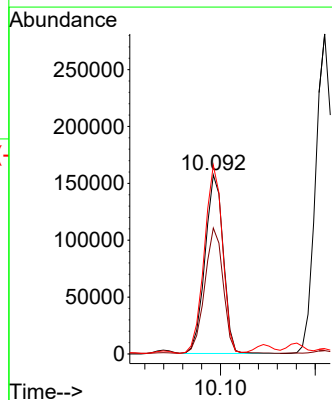
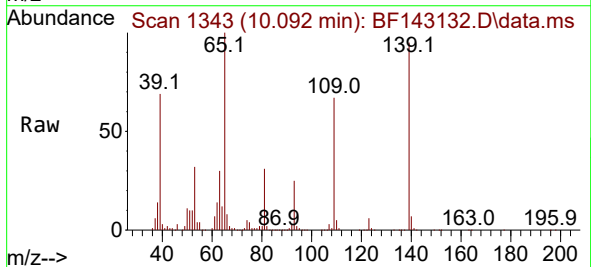
Instrument :
BNA_F
ClientSampleId :
TP-17MSD

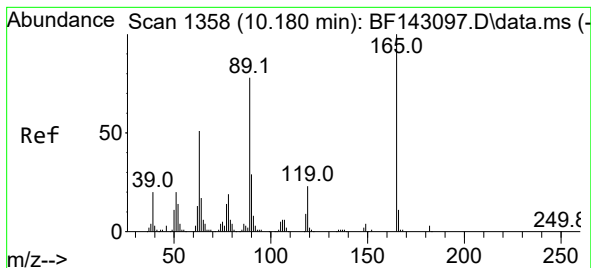
Tgt Ion:168 Resp: 942444
Ion Ratio Lower Upper
168 100
139 37.1 29.8 44.6
169 13.7 10.8 16.2



#56
4-Nitrophenol
Concen: 71.046 ng
RT: 10.092 min Scan# 1343
Delta R.T. 0.006 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:139 Resp: 210415
Ion Ratio Lower Upper
139 100
109 70.3 49.4 89.4
65 105.5 88.2 128.2

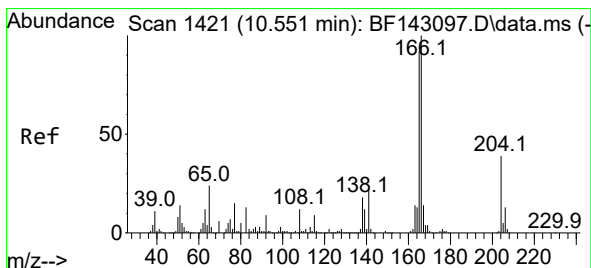
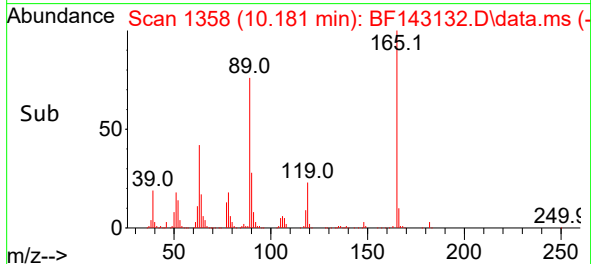
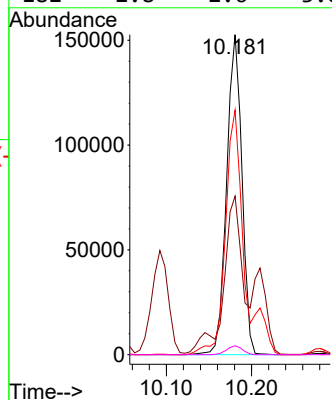
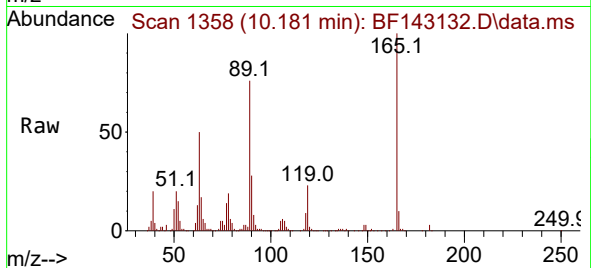




#57
2,4-Dinitrotoluene
Concen: 44.997 ng
RT: 10.181 min Scan# 1358
Delta R.T. 0.001 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

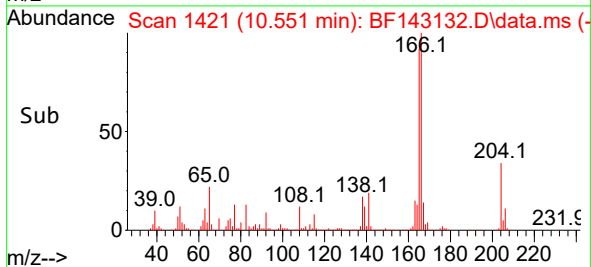
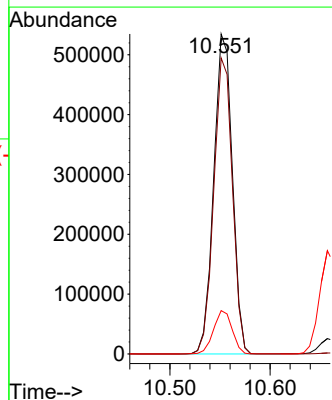
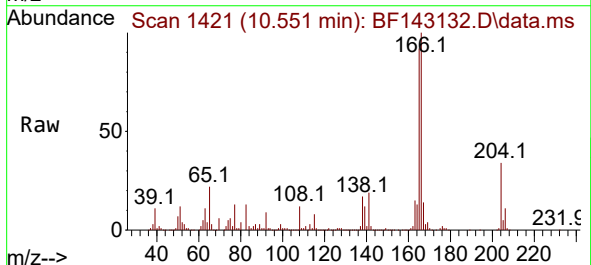
Instrument :
BNA_F
ClientSampleId :
TP-17MSD

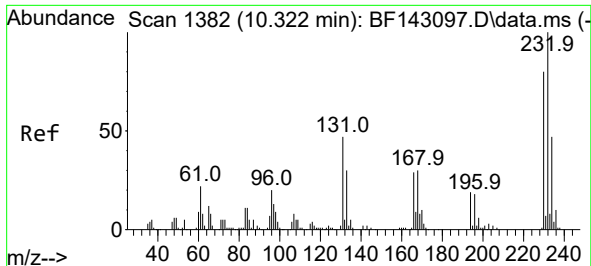
Tgt Ion:165 Resp: 190519
Ion Ratio Lower Upper
165 100
63 49.5 40.6 61.0
89 76.4 62.3 93.5
182 2.8 2.6 3.8



#58
Fluorene
Concen: 39.088 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:166 Resp: 689808
Ion Ratio Lower Upper
166 100
165 92.5 73.7 110.5
167 13.6 10.9 16.3

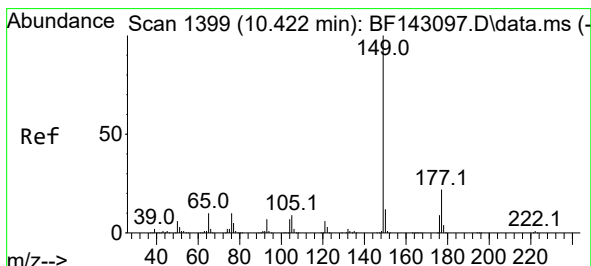
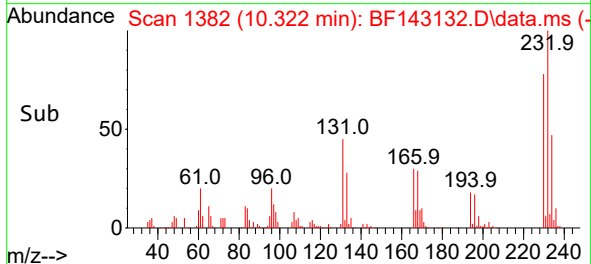
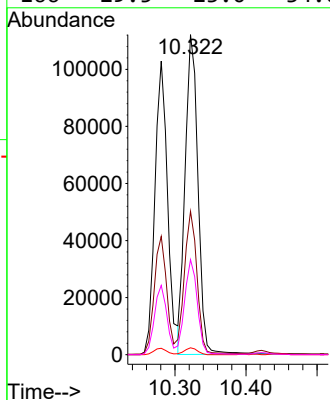
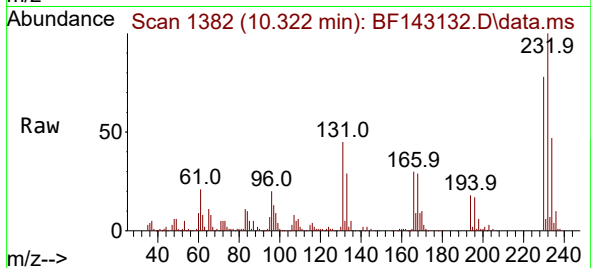




#59
2,3,4,6-Tetrachlorophenol
Concen: 33.949 ng
RT: 10.322 min Scan# 1382
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

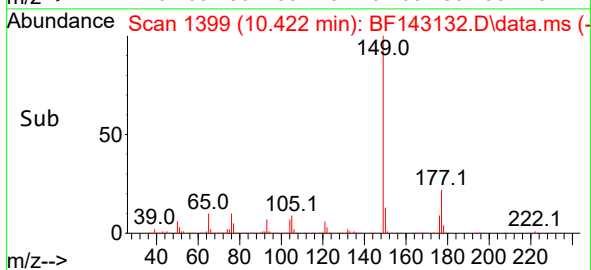
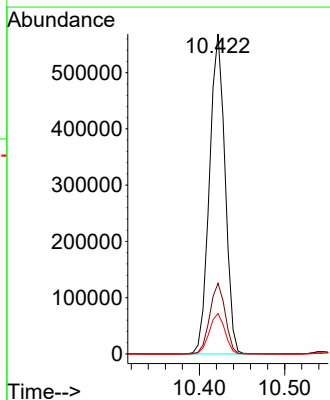
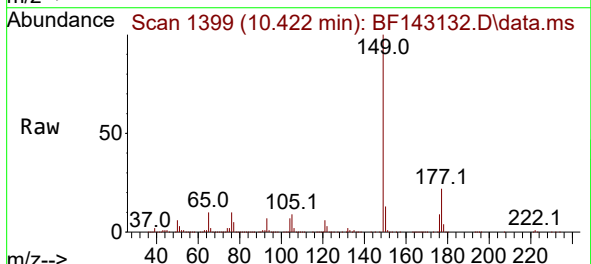
Instrument :
BNA_F
ClientSampleId :
TP-17MSD

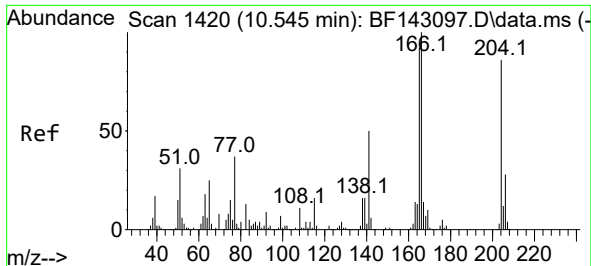
Tgt Ion:232 Resp: 140420
Ion Ratio Lower Upper
232 100
131 44.7 36.9 55.3
130 2.2 1.8 2.8
166 29.5 23.0 34.6



#60
Diethylphthalate
Concen: 43.405 ng
RT: 10.422 min Scan# 1399
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:149 Resp: 722197
Ion Ratio Lower Upper
149 100
177 22.1 17.3 25.9
150 12.7 9.9 14.9

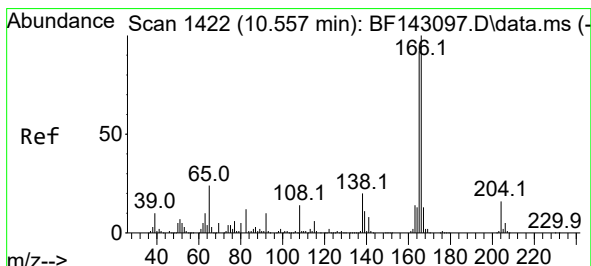
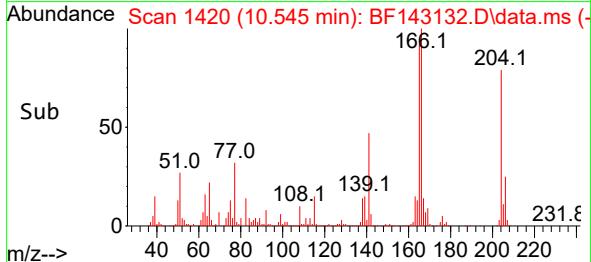
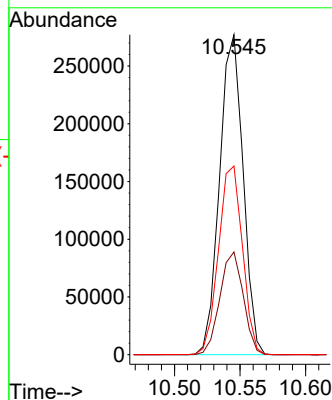
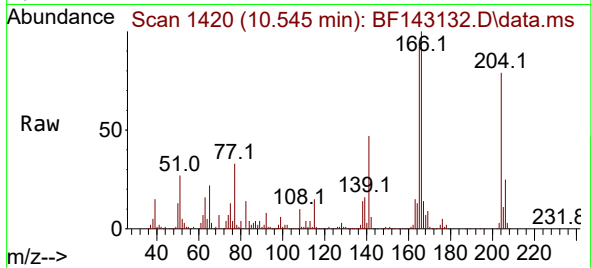




#61
4-Chlorophenyl-phenylether
Concen: 40.789 ng
RT: 10.545 min Scan# 1420
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

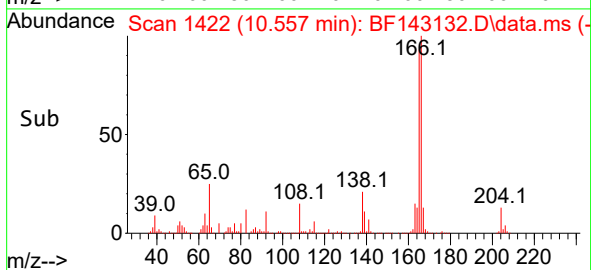
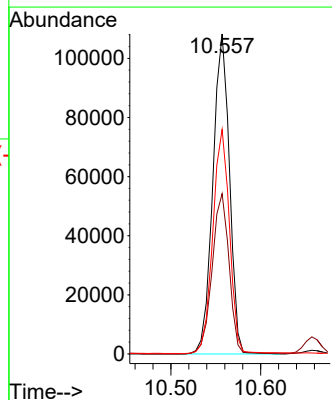
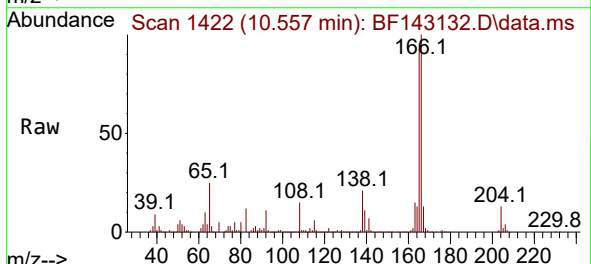
Instrument :
BNA_F
ClientSampleId :
TP-17MSD

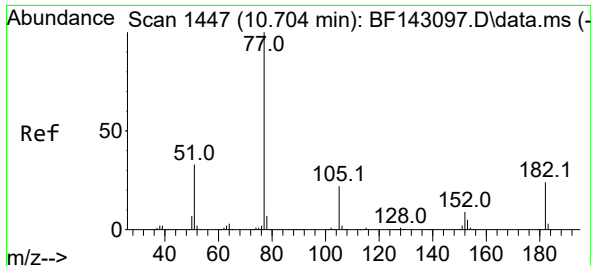
Tgt Ion:204 Resp: 345005
Ion Ratio Lower Upper
204 100
206 32.1 25.8 38.6
141 59.0 46.8 70.2



#62
4-Nitroaniline
Concen: 42.929 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:138 Resp: 139120
Ion Ratio Lower Upper
138 100
92 50.1 30.4 70.4
108 70.2 49.5 89.5

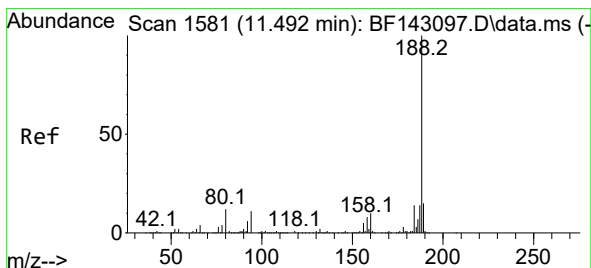
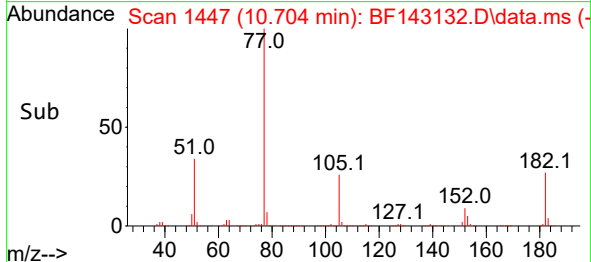
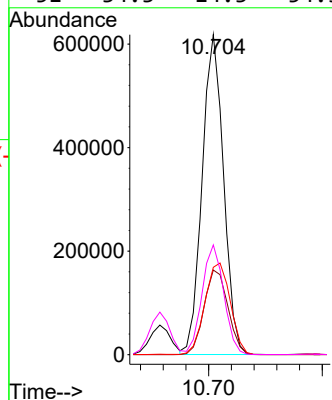
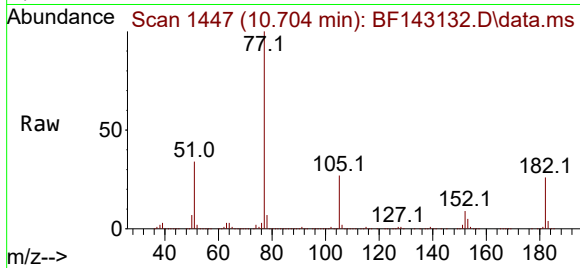




#63
Azobenzene
Concen: 43.895 ng
RT: 10.704 min Scan# 1447
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

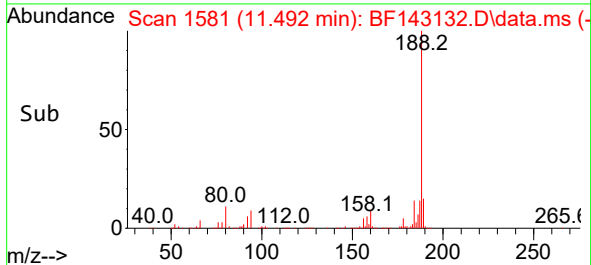
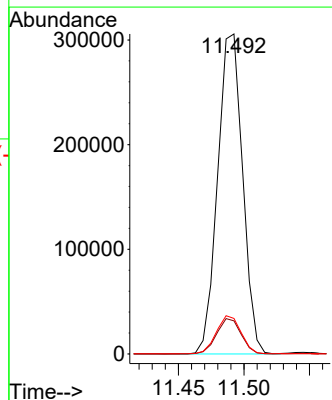
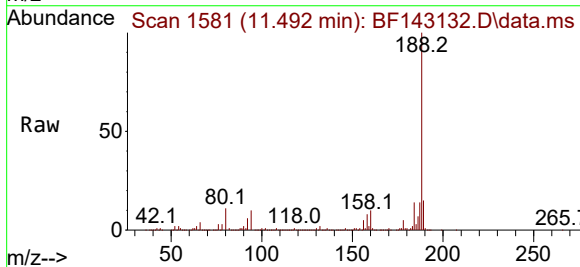
Instrument :
BNA_F
ClientSampleId :
TP-17MSD

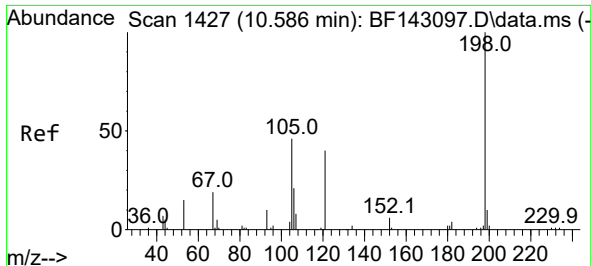
Tgt Ion: 77	Resp: 807710
Ion Ratio	Lower Upper
77 100	
182 26.5	4.0 44.0
105 27.3	1.4 41.4
51 34.3	14.3 54.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:188	Resp: 404556
Ion Ratio	Lower Upper
188 100	
94 10.3	8.6 13.0
80 11.1	9.3 13.9

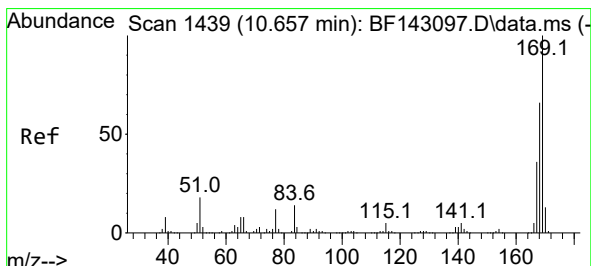
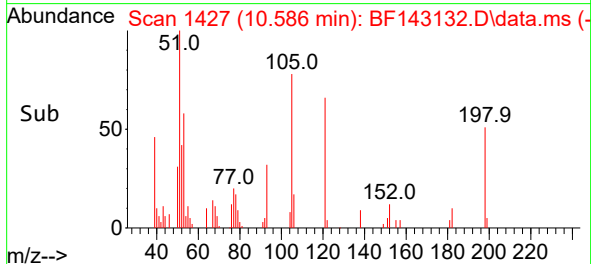
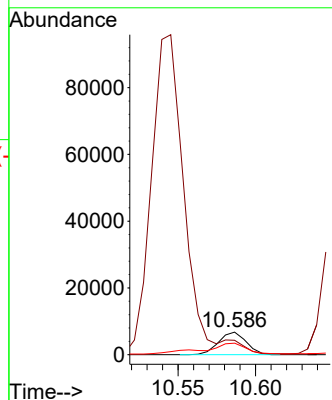
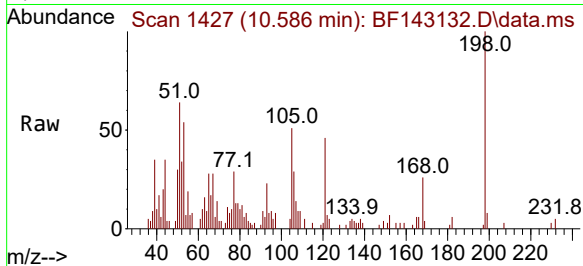




#65
4,6-Dinitro-2-methylphenol
Concen: 11.197 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

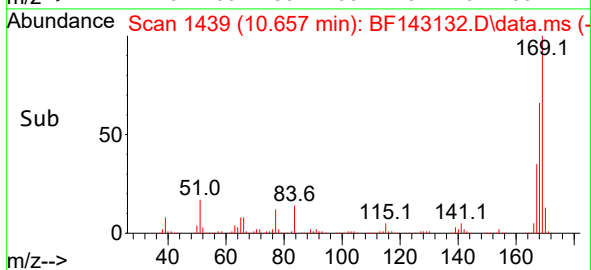
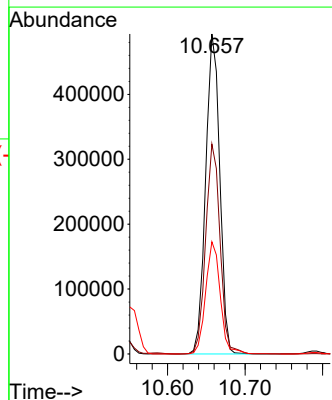
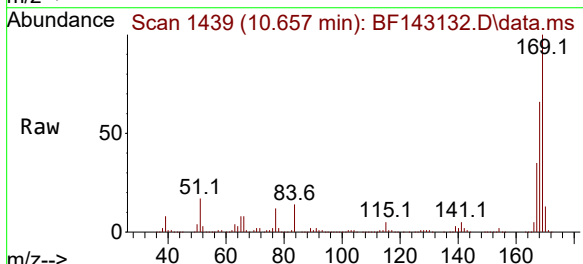
Instrument :
BNA_F
ClientSampleId :
TP-17MSD

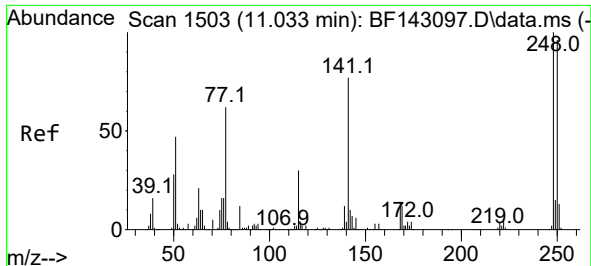
Tgt Ion:198 Resp: 8364
Ion Ratio Lower Upper
198 100
51 63.8 44.6 84.6
105 51.2 29.3 69.3



#66
n-Nitrosodiphenylamine
Concen: 43.825 ng
RT: 10.657 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:169 Resp: 622784
Ion Ratio Lower Upper
169 100
168 65.6 53.0 79.6
167 35.1 28.4 42.6

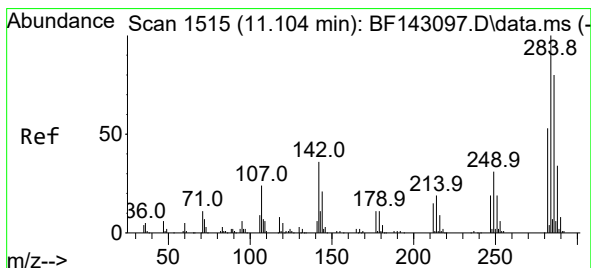
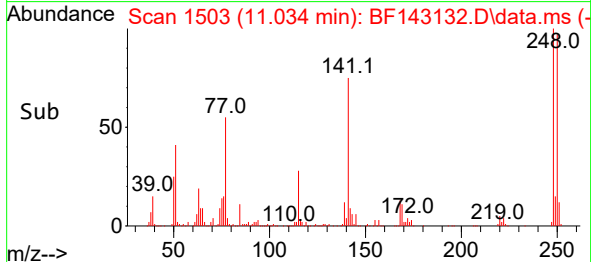
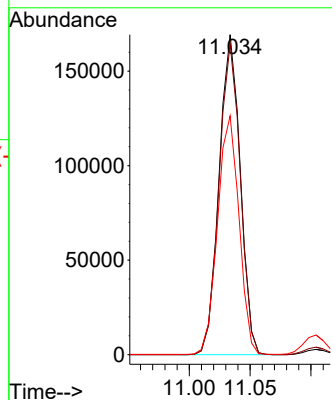
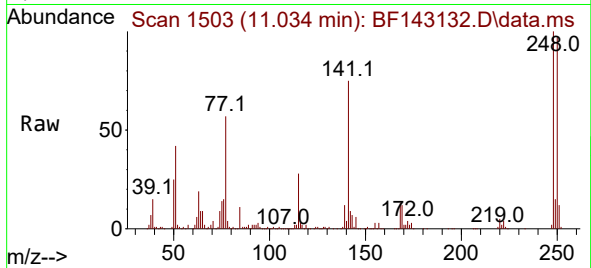




#67
4-Bromophenyl-phenylether
Concen: 44.577 ng
RT: 11.034 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

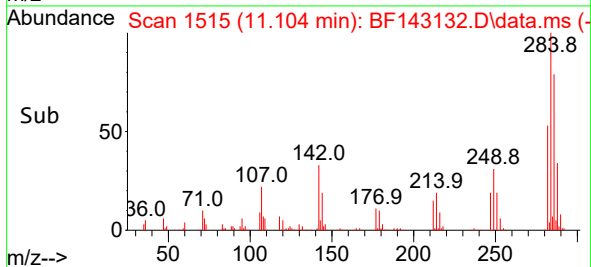
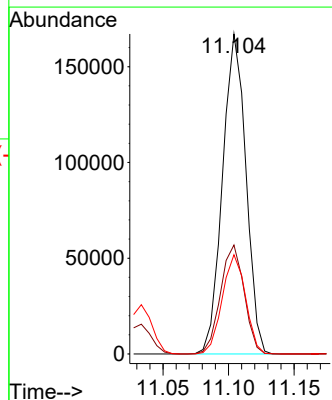
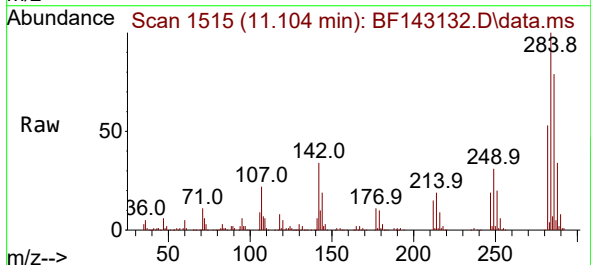
Instrument :
BNA_F
ClientSampleId :
TP-17MSD

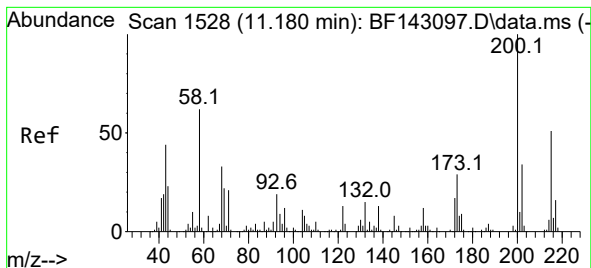
Tgt Ion:248 Resp: 205085
Ion Ratio Lower Upper
248 100
250 97.1 76.7 115.1
141 74.7 61.7 92.5



#68
Hexachlorobenzene
Concen: 42.467 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:284 Resp: 207302
Ion Ratio Lower Upper
284 100
142 34.1 28.9 43.3
249 31.0 24.6 37.0





#69

Atrazine

Concen: 47.816 ng

RT: 11.181 min Scan# 1528

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

Instrument :

BNA_F

ClientSampleId :

TP-17MSD

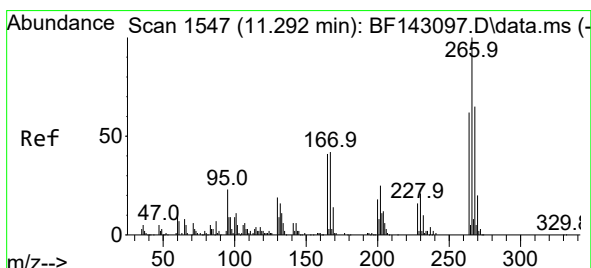
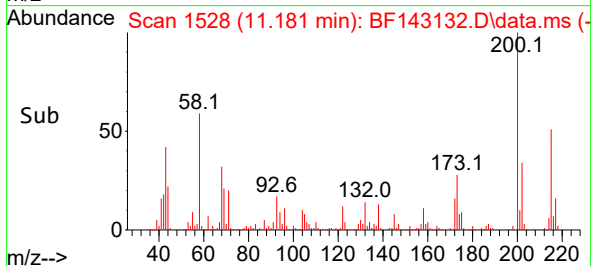
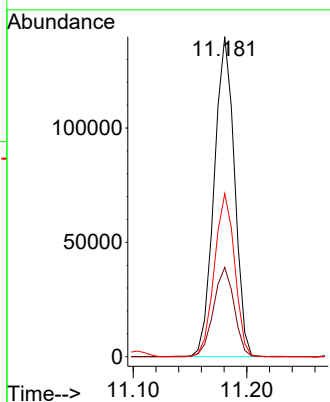
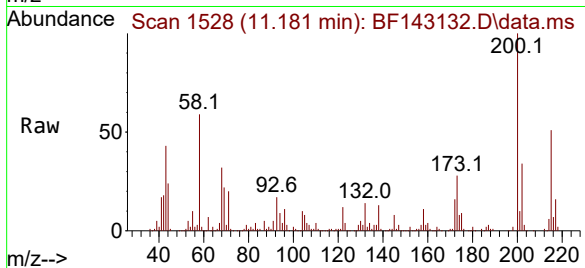
Tgt Ion:200 Resp: 173844

Ion Ratio Lower Upper

200 100

173 27.9 9.1 49.1

215 50.9 31.0 71.0



#70

Pentachlorophenol

Concen: 30.644 ng

RT: 11.292 min Scan# 1547

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

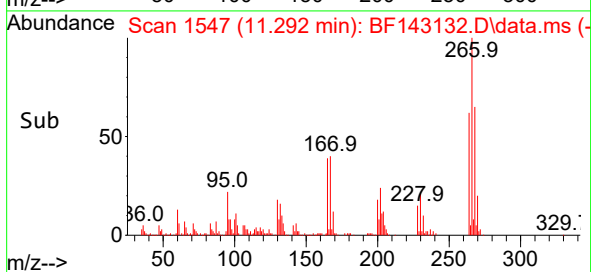
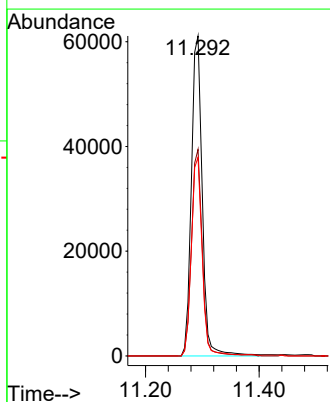
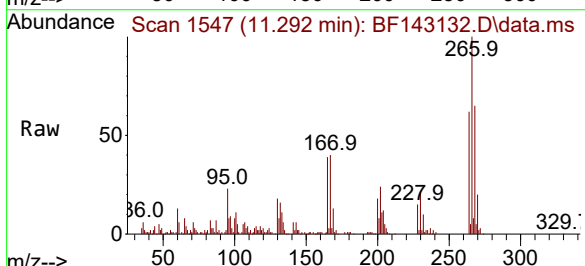
Tgt Ion:266 Resp: 82071

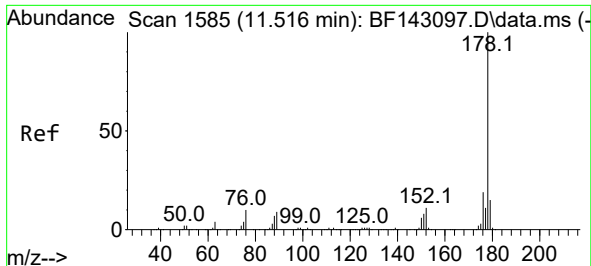
Ion Ratio Lower Upper

266 100

268 64.6 51.8 77.6

264 62.0 49.7 74.5

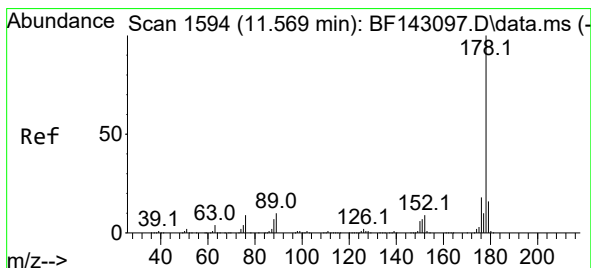
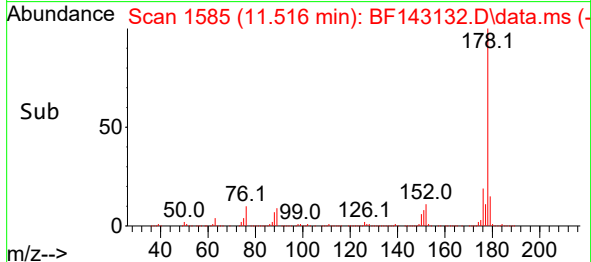
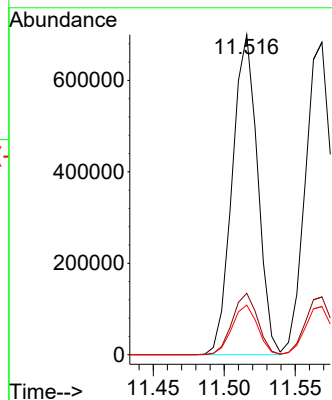
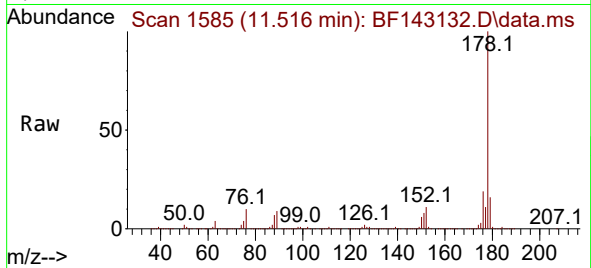




#71
Phenanthrene
Concen: 39.901 ng
RT: 11.516 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

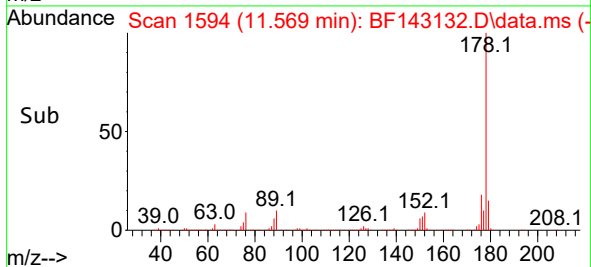
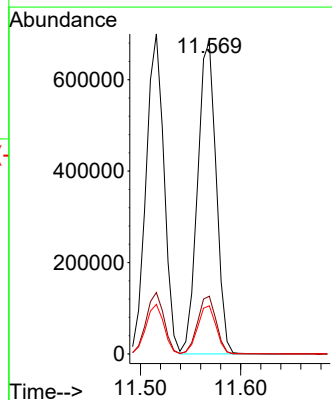
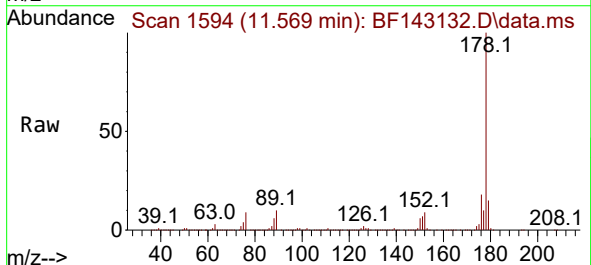
Instrument :
BNA_F
ClientSampleId :
TP-17MSD

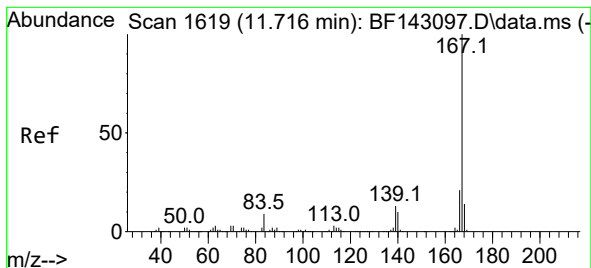
Tgt Ion:178 Resp: 871164
Ion Ratio Lower Upper
178 100
176 19.2 15.1 22.7
179 15.5 12.2 18.4



#72
Anthracene
Concen: 40.059 ng
RT: 11.569 min Scan# 1594
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:178 Resp: 879525
Ion Ratio Lower Upper
178 100
176 18.5 14.7 22.1
179 15.4 12.4 18.6





#73

Carbazole

Concen: 40.020 ng

RT: 11.716 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

Instrument :

BNA_F

ClientSampleId :

TP-17MSD

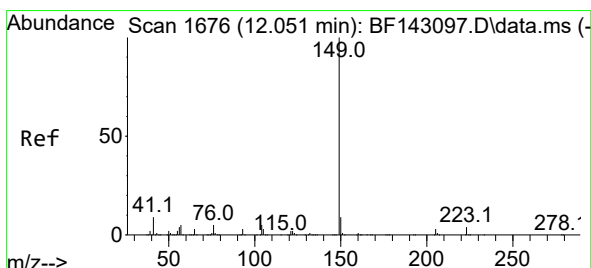
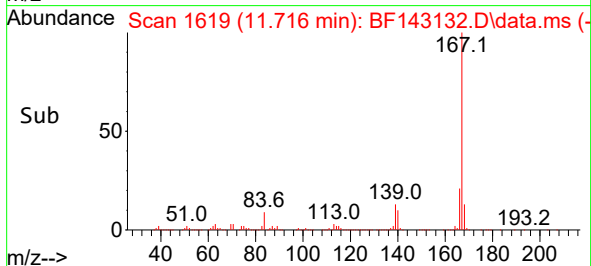
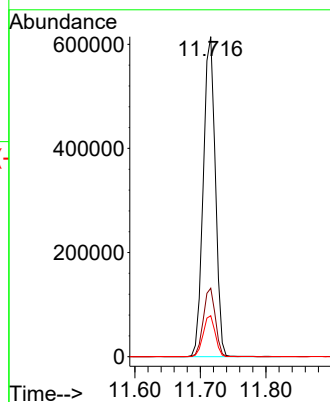
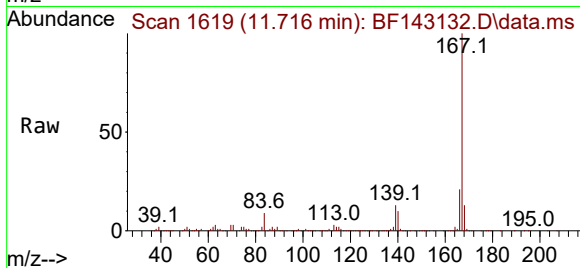
Tgt Ion:167 Resp: 787172

Ion Ratio Lower Upper

167 100

166 21.4 17.0 25.4

139 12.8 10.2 15.4



#74

Di-n-butylphthalate

Concen: 49.653 ng

RT: 12.045 min Scan# 1675

Delta R.T. -0.006 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

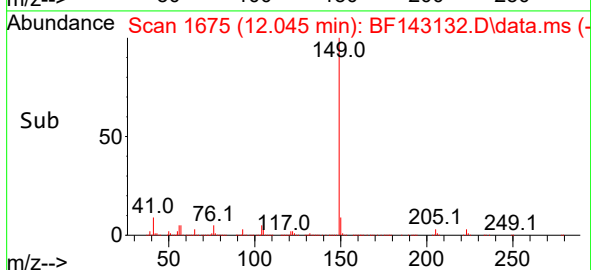
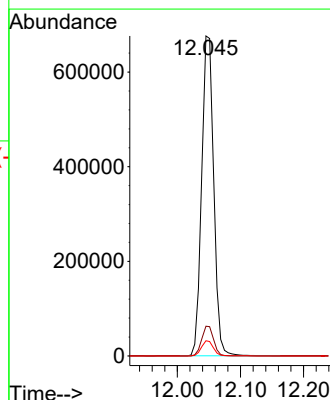
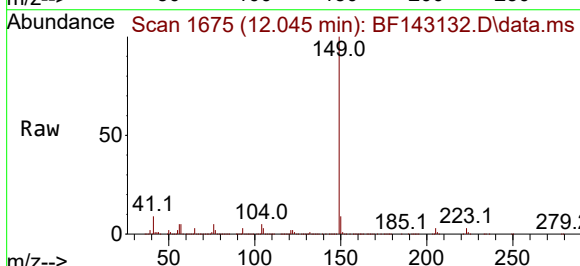
Tgt Ion:149 Resp: 896492

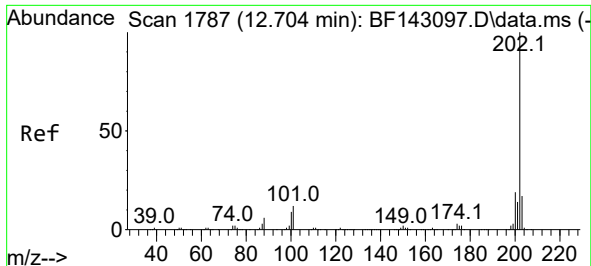
Ion Ratio Lower Upper

149 100

150 9.3 7.3 10.9

104 4.8 3.8 5.8

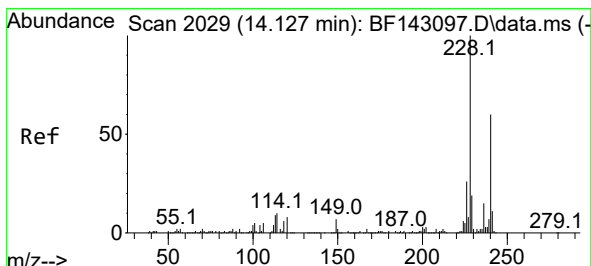
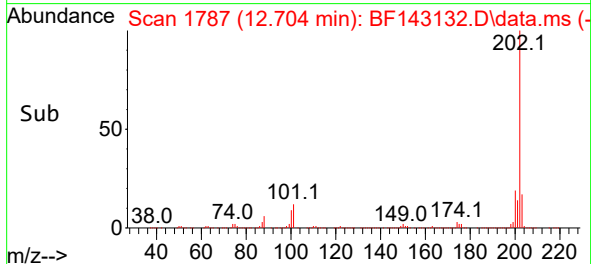
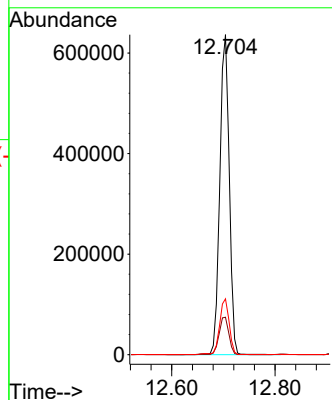
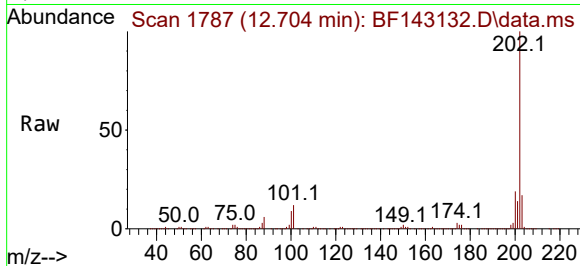




#75
Fluoranthene
Concen: 40.555 ng
RT: 12.704 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

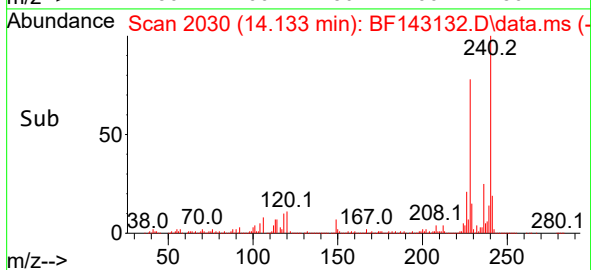
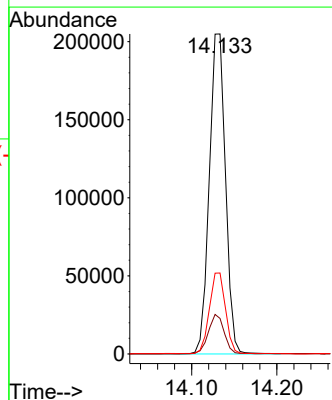
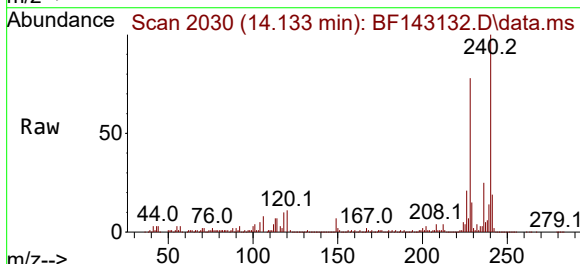
Instrument :
BNA_F
ClientSampleId :
TP-17MSD

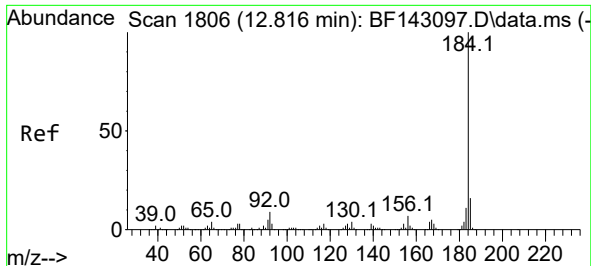
Tgt Ion:202 Resp: 805111
Ion Ratio Lower Upper
202 100
101 11.7 0.0 32.4
203 17.4 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2030
Delta R.T. 0.006 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:240 Resp: 270975
Ion Ratio Lower Upper
240 100
120 11.1 10.0 15.0
236 25.3 20.0 30.0

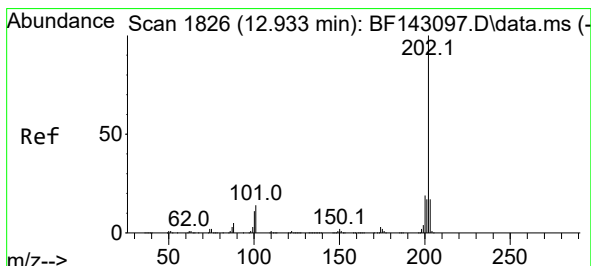
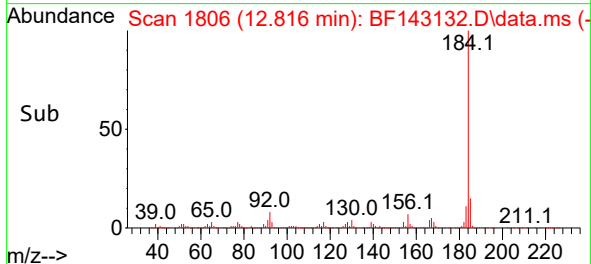
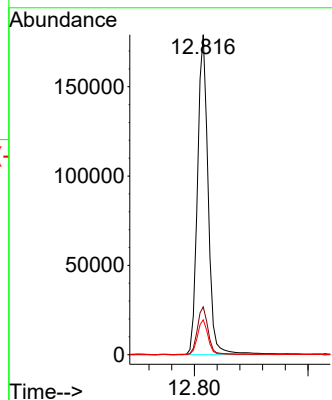
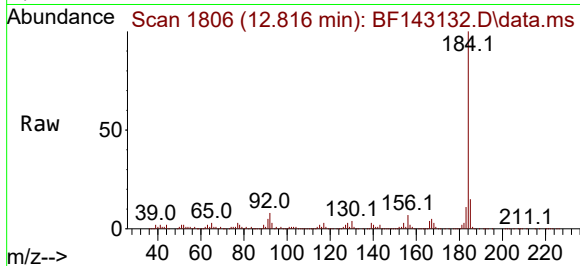




#77
Benzidine
Concen: 25.338 ng
RT: 12.816 min Scan# 1806
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

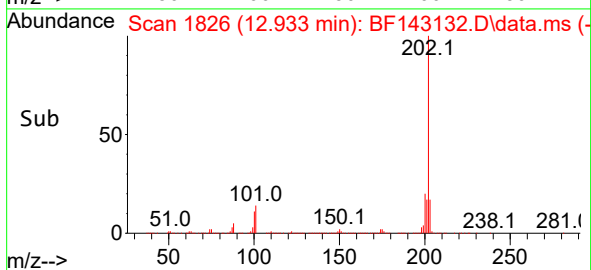
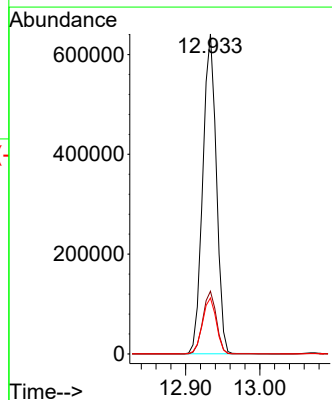
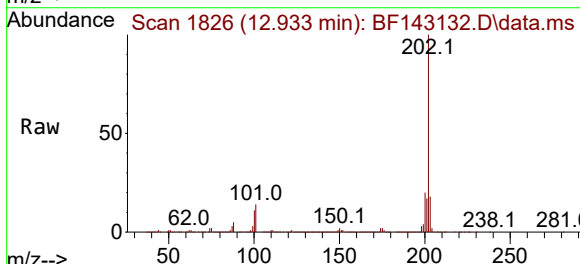
Instrument :
BNA_F
ClientSampleId :
TP-17MSD

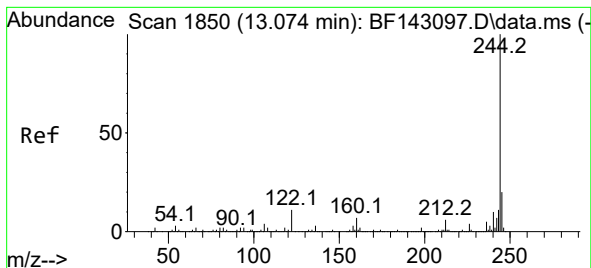
Tgt Ion:184 Resp: 233917
Ion Ratio Lower Upper
184 100
185 15.0 12.4 18.6
183 10.9 8.6 12.8



#78
Pyrene
Concen: 32.454 ng
RT: 12.933 min Scan# 1826
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:202 Resp: 815947
Ion Ratio Lower Upper
202 100
200 19.6 15.5 23.3
203 17.5 14.0 21.0





#79

Terphenyl-d14

Concen: 41.632 ng

RT: 13.069 min Scan# 1849

Delta R.T. -0.006 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

Instrument :

BNA_F

ClientSampleId :

TP-17MSD

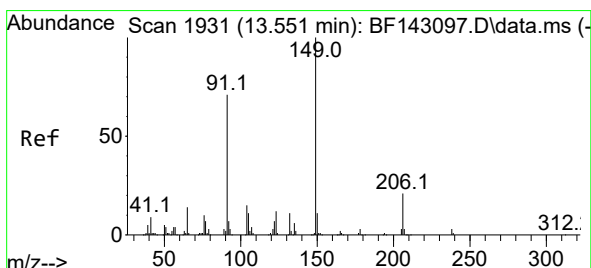
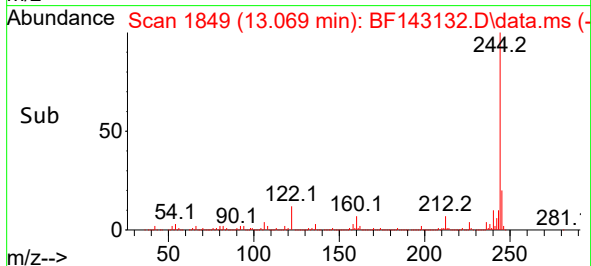
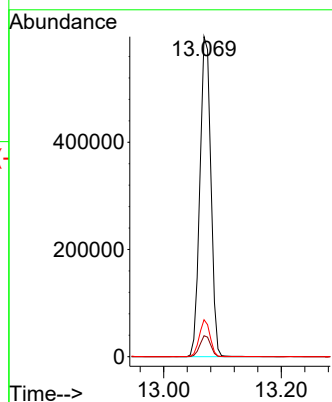
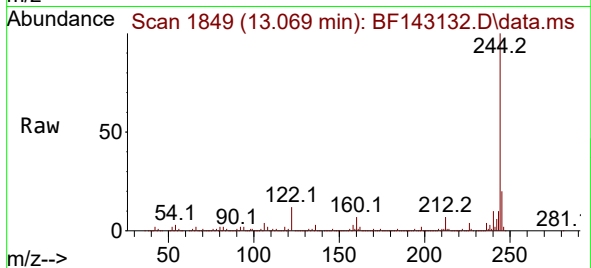
Tgt Ion:244 Resp: 771722

Ion Ratio Lower Upper

244 100

212 6.5 5.2 7.8

122 11.5 8.8 13.2



#80

Butylbenzylphthalate

Concen: 47.482 ng

RT: 13.545 min Scan# 1930

Delta R.T. -0.006 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

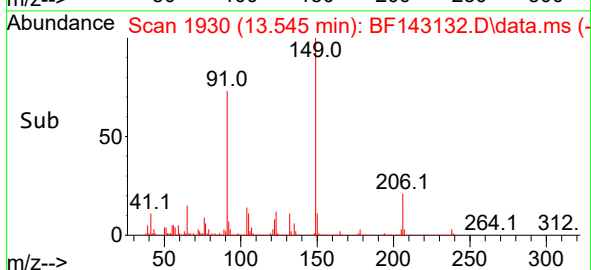
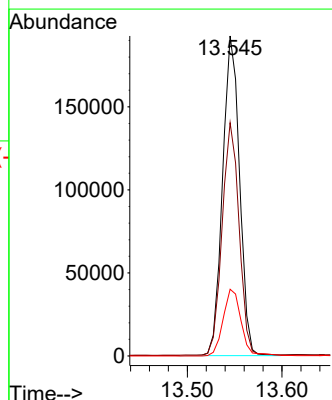
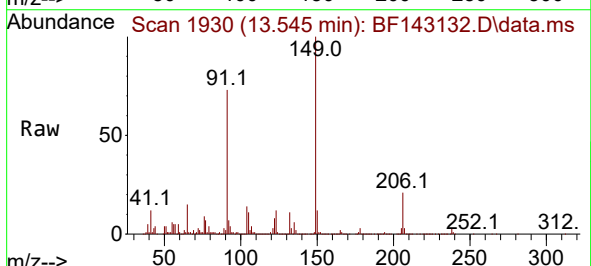
Tgt Ion:149 Resp: 239643

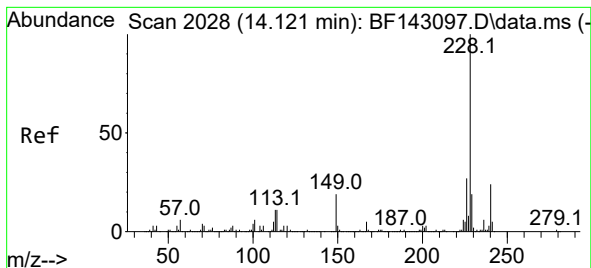
Ion Ratio Lower Upper

149 100

91 72.9 57.0 85.4

206 20.8 17.2 25.8





#81

Benzo(a)anthracene

Concen: 42.120 ng

RT: 14.122 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

Instrument :

BNA_F

ClientSampleId :

TP-17MSD

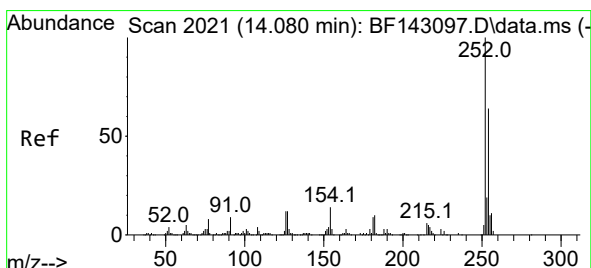
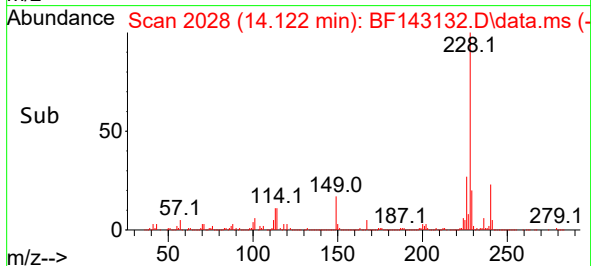
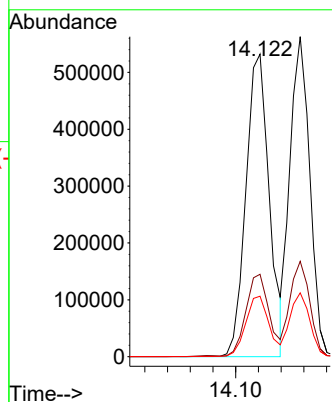
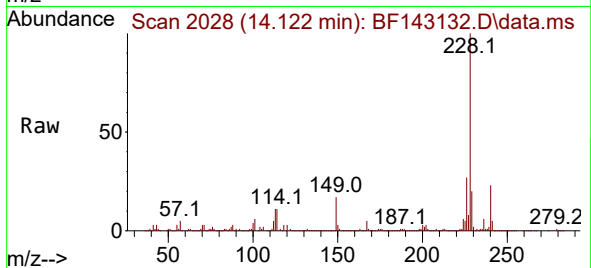
Tgt Ion:228 Resp: 760550

Ion Ratio Lower Upper

228 100

226 27.2 21.3 31.9

229 20.0 15.5 23.3



#82

3,3'-Dichlorobenzidine

Concen: 24.777 ng

RT: 14.074 min Scan# 2020

Delta R.T. -0.006 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

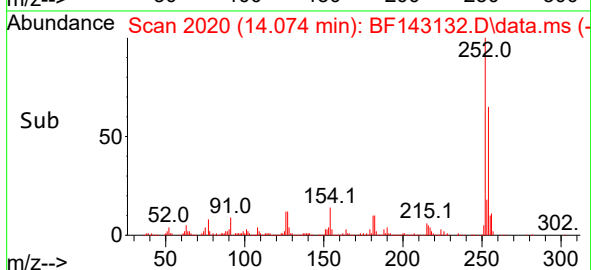
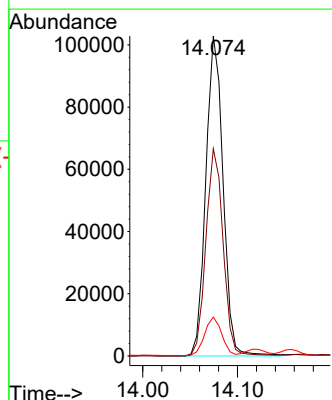
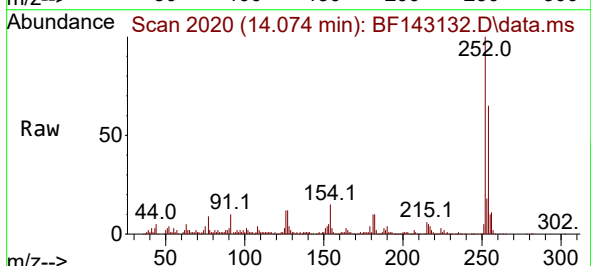
Tgt Ion:252 Resp: 129923

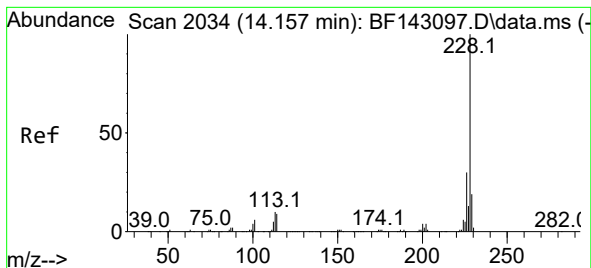
Ion Ratio Lower Upper

252 100

254 64.8 51.5 77.3

126 12.1 9.4 14.0





#83

Chrysene

Concen: 40.908 ng

RT: 14.157 min Scan# 2034

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

Instrument :

BNA_F

ClientSampleId :

TP-17MSD

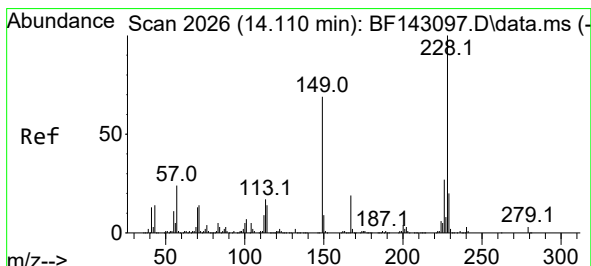
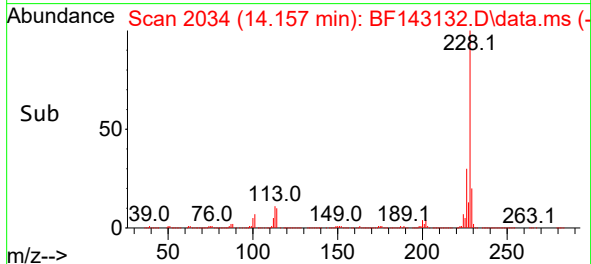
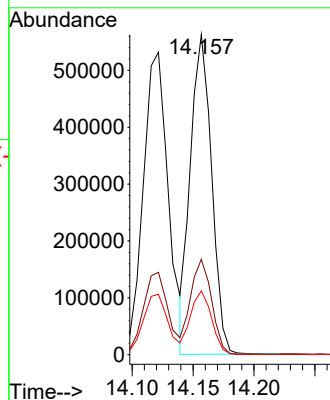
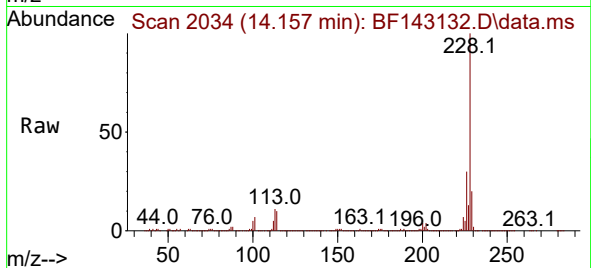
Tgt Ion:228 Resp: 680317

Ion Ratio Lower Upper

228 100

226 29.8 23.4 35.2

229 20.0 15.3 22.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 46.724 ng

RT: 14.110 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

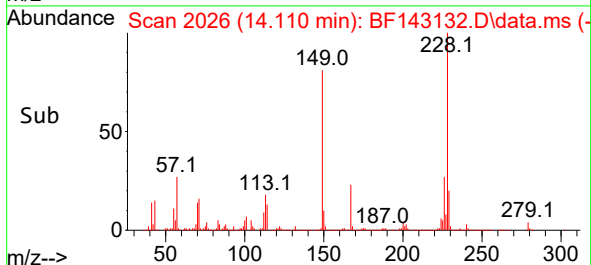
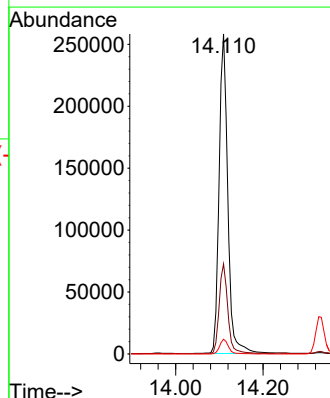
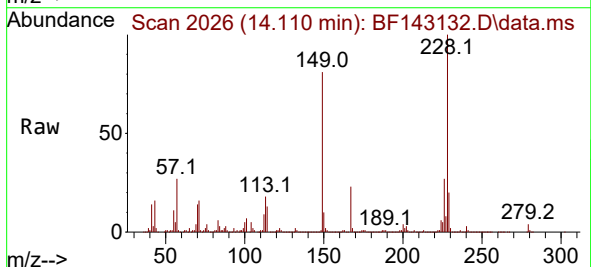
Tgt Ion:149 Resp: 355208

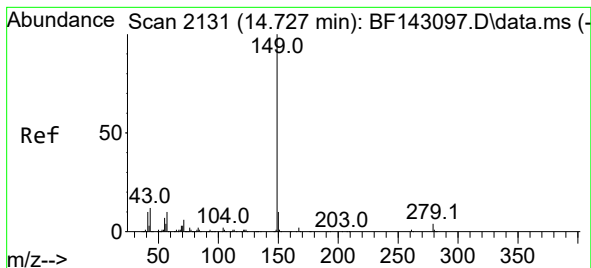
Ion Ratio Lower Upper

149 100

167 28.1 21.9 32.9

279 4.6 3.4 5.0





#85

Di-n-octyl phthalate

Concen: 48.873 ng

RT: 14.727 min Scan# 2131

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

Instrument :

BNA_F

ClientSampleId :

TP-17MSD

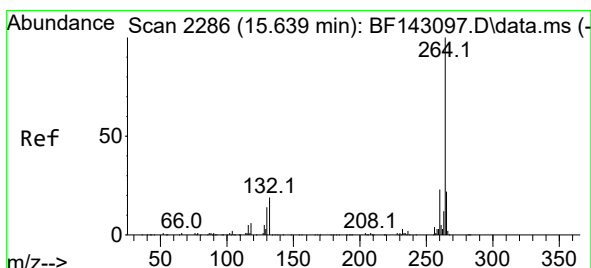
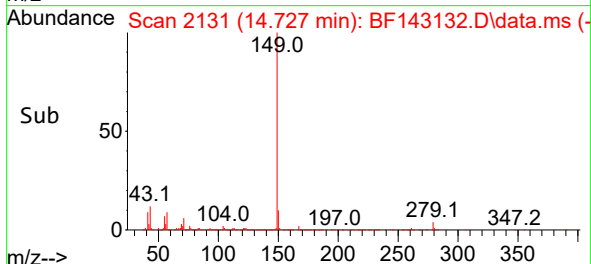
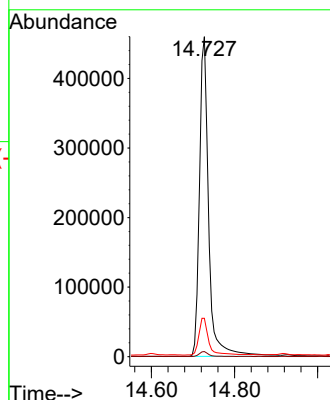
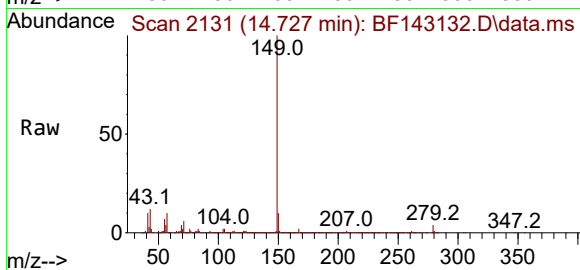
Tgt Ion:149 Resp: 706471

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 12.1 10.6 16.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.639 min Scan# 2286

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

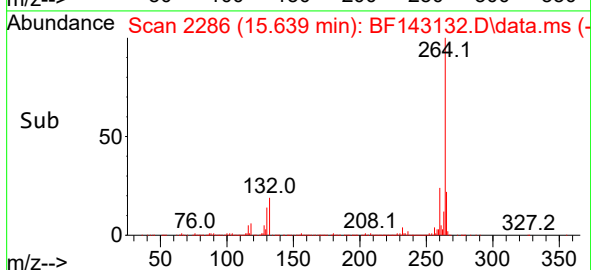
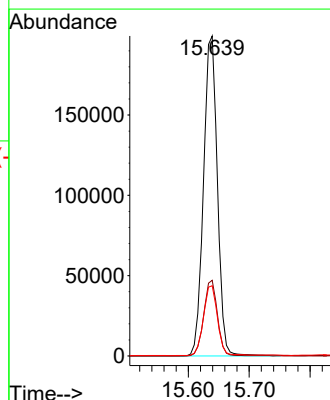
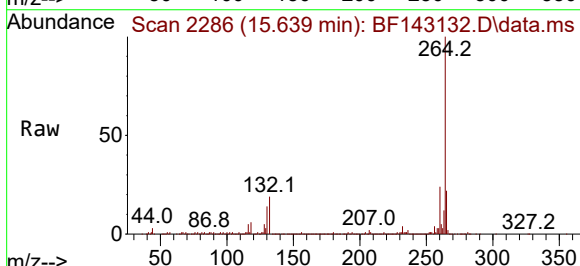
Tgt Ion:264 Resp: 316202

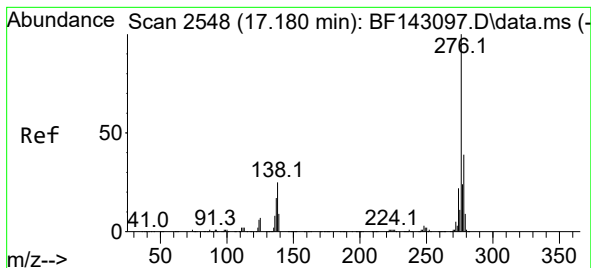
Ion Ratio Lower Upper

264 100

260 23.7 18.5 27.7

265 22.0 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 32.821 ng

RT: 17.180 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

Instrument :

BNA_F

ClientSampleId :

TP-17MSD

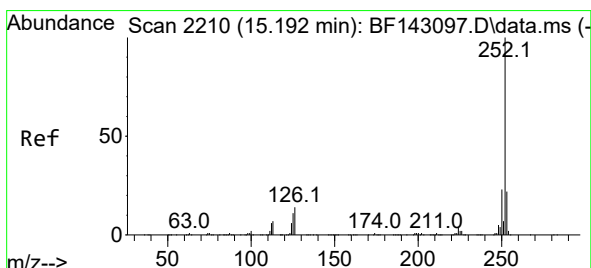
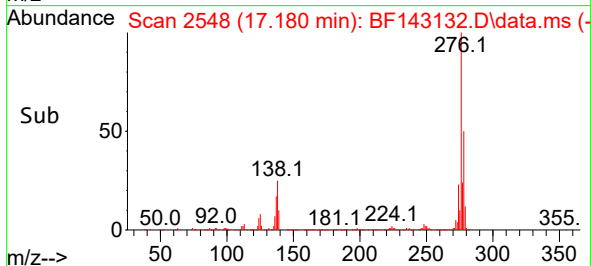
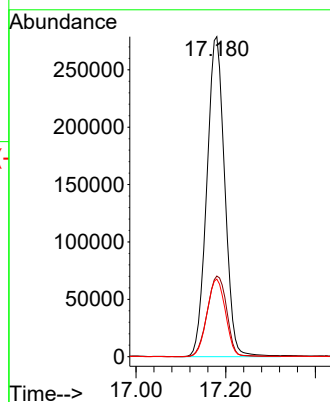
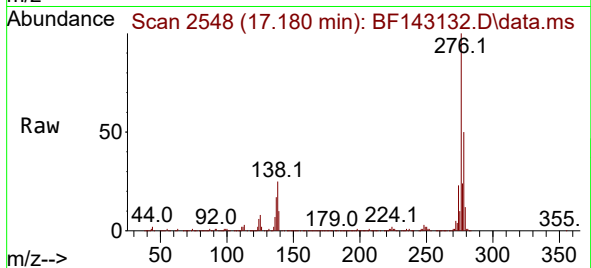
Tgt Ion:276 Resp: 771881

Ion Ratio Lower Upper

276 100

138 27.3 22.6 34.0

277 25.4 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 47.437 ng

RT: 15.192 min Scan# 2210

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

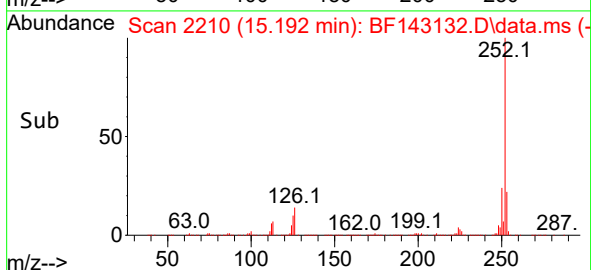
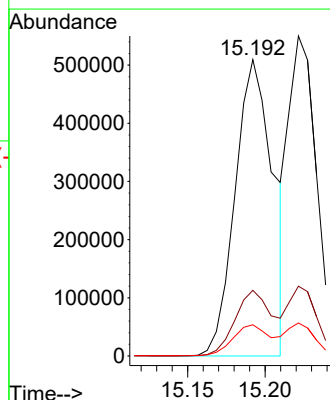
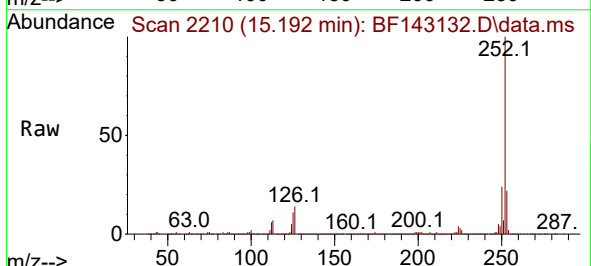
Tgt Ion:252 Resp: 865209

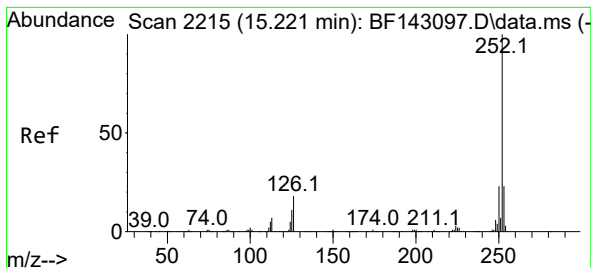
Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

125 10.5 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 39.598 ng

RT: 15.221 min Scan# 2215

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

Instrument :

BNA_F

ClientSampleId :

TP-17MSD

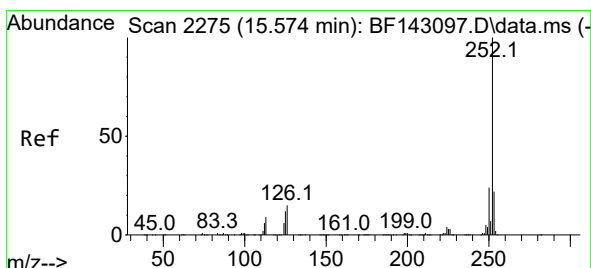
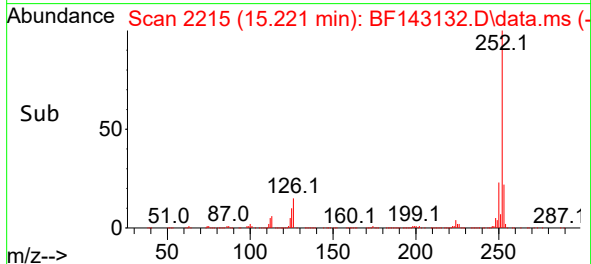
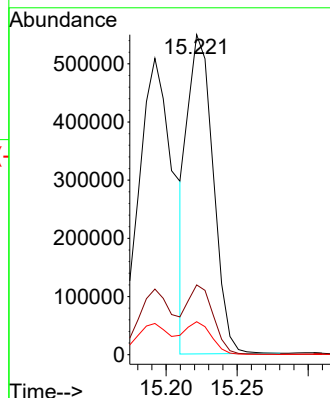
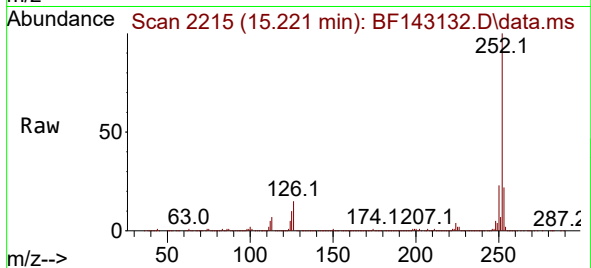
Tgt Ion:252 Resp: 689026

Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.2

125 10.3 8.5 12.7



#90

Benzo(a)pyrene

Concen: 44.239 ng

RT: 15.574 min Scan# 2275

Delta R.T. 0.000 min

Lab File: BF143132.D

Acq: 17 Jul 2025 03:03

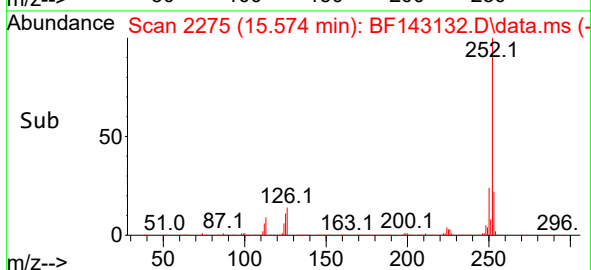
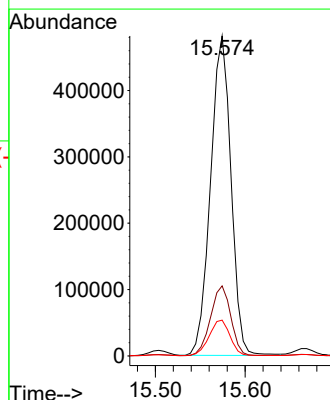
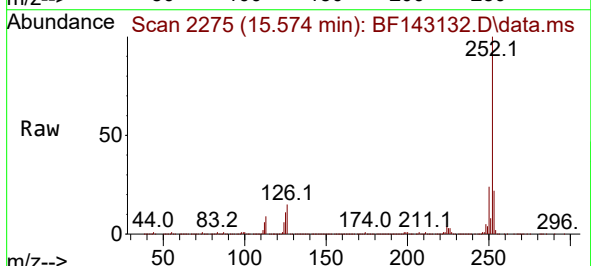
Tgt Ion:252 Resp: 763138

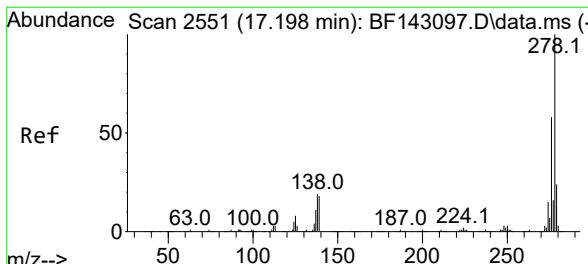
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 11.2 9.4 14.0

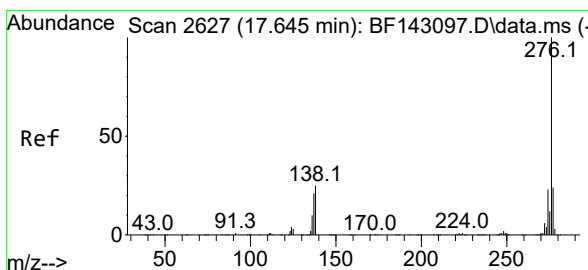
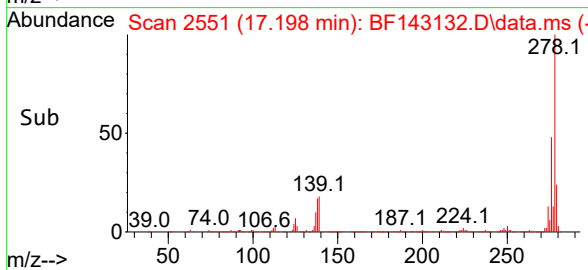
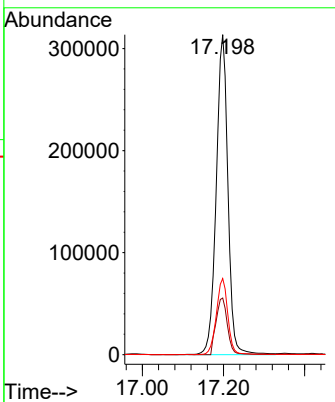
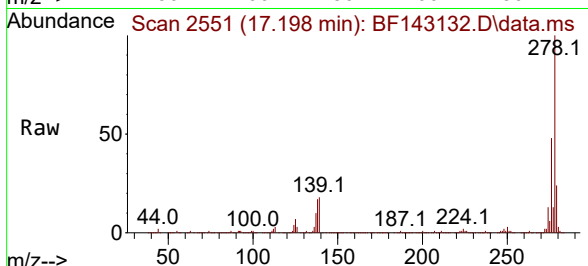




#91
 Dibenzo(a,h)anthracene
 Concen: 32.739 ng
 RT: 17.198 min Scan# 2551
 Delta R.T. 0.000 min
 Lab File: BF143132.D
 Acq: 17 Jul 2025 03:03

Instrument :
 BNA_F
 ClientSampleId :
 TP-17MSD

Tgt Ion:	278	Resp:	629422
Ion Ratio	Lower	Upper	
278	100		
139	17.7	14.6	22.0
279	23.8	18.8	28.2



#92
 Benzo(g,h,i)perylene
 Concen: 30.191 ng
 RT: 17.645 min Scan# 2627
 Delta R.T. 0.000 min
 Lab File: BF143132.D
 Acq: 17 Jul 2025 03:03

Tgt Ion:	276	Resp:	591750
Ion Ratio	Lower	Upper	
276	100		
277	23.4	19.2	28.8
138	23.9	19.8	29.6

