

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
 Data File : BF143119.D
 Acq On : 16 Jul 2025 20:39
 Operator : RC/JU
 Sample : PB168854BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168854BS

Quant Time: Jul 17 03:44:58 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	139596	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	538805	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	272708	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	455589	20.000	ng	0.00
76) Chrysene-d12	14.127	240	240950	20.000	ng	0.00
86) Perylene-d12	15.633	264	262866	20.000	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	989830	112.028	ng	0.02
7) Phenol-d6	6.586	99	1262403	113.666	ng	0.00
23) Nitrobenzene-d5	7.528	82	826120	86.012	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	341088	140.273	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1485452	72.406	ng	0.00
79) Terphenyl-d14	13.074	244	1313530	79.690	ng	0.00

Target Compounds					Qvalue
2) 1,4-Dioxane	2.916	88	156082	35.487	ng 99
3) Pyridine	3.657	79	426573	38.301	ng 100
4) n-Nitrosodimethylamine	3.604	42	242710	42.061	ng 98
6) Aniline	6.628	93	524410	33.531	ng 99
8) 2-Chlorophenol	6.751	128	399769	45.033	ng 99
9) Benzaldehyde	6.516	77	293118	34.636	ng 98
10) Phenol	6.604	94	540727	44.973	ng 98
11) bis(2-Chloroethyl)ether	6.698	93	397600	42.717	ng 99
12) 1,3-Dichlorobenzene	6.910	146	417974	41.677	ng 99
13) 1,4-Dichlorobenzene	6.986	146	427253	42.346	ng 100
14) 1,2-Dichlorobenzene	7.139	146	406381	42.236	ng 99
15) Benzyl Alcohol	7.098	79	372222	45.231	ng 98
16) 2,2'-oxybis(1-Chloropr...	7.239	45	724325	42.216	ng 99
17) 2-Methylphenol	7.210	107	337095	44.003	ng 99
18) Hexachloroethane	7.486	117	145952	44.435	ng 97
19) n-Nitroso-di-n-propyla...	7.375	70	298994	43.942	ng 99
20) 3+4-Methylphenols	7.363	107	415512	44.228	ng 96
22) Acetophenone	7.369	105	550129	42.355	ng 94
24) Nitrobenzene	7.545	77	432713	46.668	ng 97
25) Isophorone	7.786	82	828422	44.624	ng 99
26) 2-Nitrophenol	7.863	139	182190	49.075	ng 97
27) 2,4-Dimethylphenol	7.892	122	382286	44.367	ng 100
28) bis(2-Chloroethoxy)met...	7.992	93	493796	43.864	ng 99
29) 2,4-Dichlorophenol	8.098	162	326258	46.284	ng 100
30) 1,2,4-Trichlorobenzene	8.186	180	346239	43.280	ng 99
31) Naphthalene	8.269	128	1150939	43.016	ng 100
32) Benzoic acid	8.004	122	202294	47.238	ng 98
33) 4-Chloroaniline	8.310	127	199781	18.568	ng 98
34) Hexachlorobutadiene	8.392	225	210203	43.936	ng 99
35) Caprolactam	8.675	113	63869	29.016	ng 91
36) 4-Chloro-3-methylphenol	8.786	107	361316	46.015	ng 98
37) 2-Methylnaphthalene	8.963	142	698633	43.769	ng 100
38) 1-Methylnaphthalene	9.063	142	718711	43.413	ng 100
40) 1,2,4,5-Tetrachloroben...	9.127	216	333993	42.026	ng 98
41) Hexachlorocyclopentadiene	9.122	237	411090	93.298	ng 99
43) 2,4,6-Trichlorophenol	9.233	196	232335	47.049	ng 99

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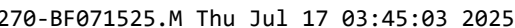
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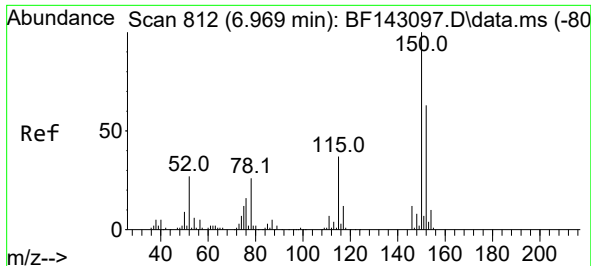
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	247228	47.747	ng	98
46) 1,1'-Biphenyl	9.427	154	936182	43.047	ng	100
47) 2-Chloronaphthalene	9.451	162	680991	42.624	ng	99
48) 2-Nitroaniline	9.539	65	225544	47.330	ng	96
49) Acenaphthylene	9.869	152	1177621	44.234	ng	100
50) Dimethylphthalate	9.722	163	795480	46.366	ng	100
51) 2,6-Dinitrotoluene	9.780	165	167878	49.431	ng	89
52) Acenaphthene	10.039	154	728594	46.377	ng	98
53) 3-Nitroaniline	9.945	138	122425	33.024	ng	98
54) 2,4-Dinitrophenol	10.051	184	138899	95.178	ng	# 1
55) Dibenzofuran	10.210	168	1021074	43.605	ng	99
56) 4-Nitrophenol	10.098	139	304758	103.438	ng	98
57) 2,4-Dinitrotoluene	10.186	165	220603	51.817	ng	96
58) Fluorene	10.557	166	761445	43.372	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.327	232	205668	49.983	ng	99
60) Diethylphthalate	10.422	149	783892	47.359	ng	99
61) 4-Chlorophenyl-phenyle...	10.545	204	373382	44.374	ng	98
62) 4-Nitroaniline	10.563	138	172008	53.355	ng	99
63) Azobenzene	10.704	77	828090	45.237	ng	99
65) 4,6-Dinitro-2-methylph...	10.592	198	89451	51.397	ng	94
66) n-Nitrosodiphenylamine	10.663	169	701985	43.865	ng	99
67) 4-Bromophenyl-phenylether	11.033	248	231595	44.700	ng	99
68) Hexachlorobenzene	11.104	284	246543	44.848	ng	98
69) Atrazine	11.186	200	204382	49.918	ng	98
70) Pentachlorophenol	11.292	266	297551	98.656	ng	99
71) Phenanthrene	11.516	178	1066550	43.378	ng	99
72) Anthracene	11.569	178	1092533	44.187	ng	100
73) Carbazole	11.716	167	993920	44.870	ng	100
74) Di-n-butylphthalate	12.051	149	1060422	52.154	ng	100
75) Fluoranthene	12.704	202	1035606	46.322	ng	99
77) Benzidine	12.816	184	325967	39.709	ng	99
78) Pyrene	12.933	202	1029906	46.068	ng	99
80) Butylbenzylphthalate	13.545	149	231230	51.234	ng	96
81) Benzo(a)anthracene	14.121	228	751216	46.787	ng	100
82) 3,3'-Dichlorobenzidine	14.074	252	109202	23.421	ng	99
83) Chrysene	14.157	228	669052	45.243	ng	99
84) Bis(2-ethylhexyl)phtha...	14.110	149	316448	46.806	ng	100
85) Di-n-octyl phthalate	14.727	149	586744	46.090	ng	98
87) Indeno(1,2,3-cd)pyrene	17.180	276	906388	46.360	ng	98
88) Benzo(b)fluoranthene	15.192	252	700298	46.186	ng	99
89) Benzo(k)fluoranthene	15.221	252	724358	50.075	ng	100
90) Benzo(a)pyrene	15.574	252	706283	49.251	ng	99
91) Dibenzo(a,h)anthracene	17.198	278	736917	46.108	ng	99
92) Benzo(g,h,i)perylene	17.645	276	748506	45.936	ng	99

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

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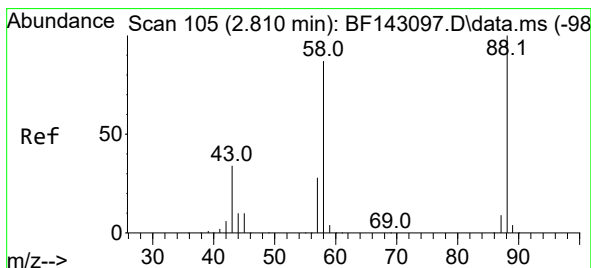
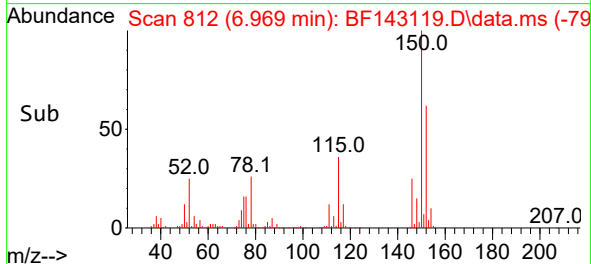
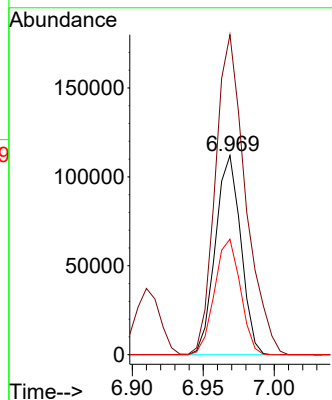
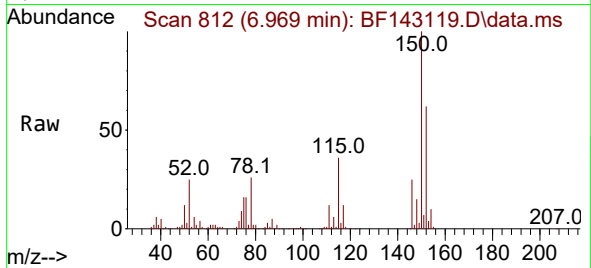




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.969 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: BF143119.D
 Acq: 16 Jul 2025 20:39

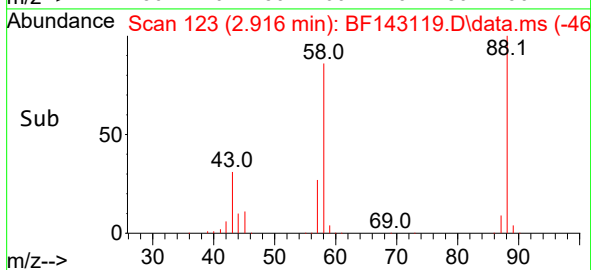
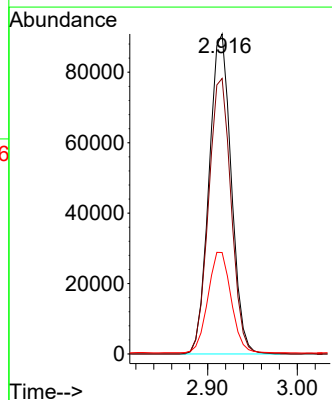
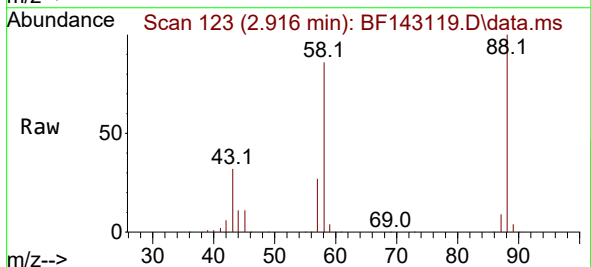
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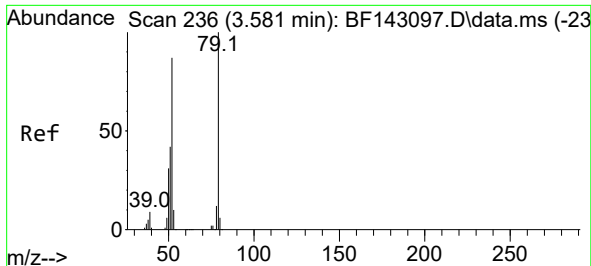
Tgt Ion:152 Resp: 139596
 Ion Ratio Lower Upper
 152 100
 150 160.7 126.5 189.7
 115 58.0 47.0 70.6



#2
 1,4-Dioxane
 Concen: 35.487 ng
 RT: 2.916 min Scan# 123
 Delta R.T. 0.106 min
 Lab File: BF143119.D
 Acq: 16 Jul 2025 20:39

Tgt Ion: 88 Resp: 156082
 Ion Ratio Lower Upper
 88 100
 58 87.7 70.5 105.7
 43 33.2 27.3 40.9

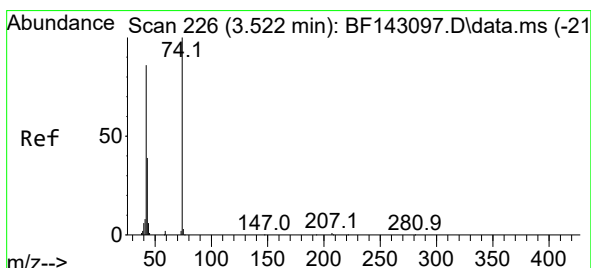
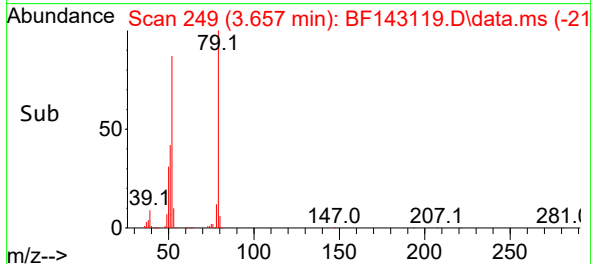
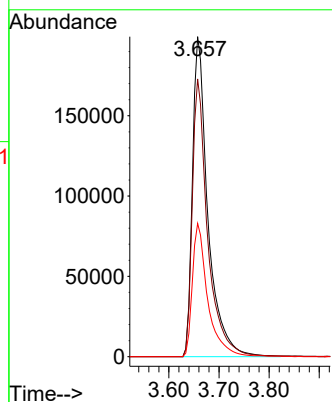
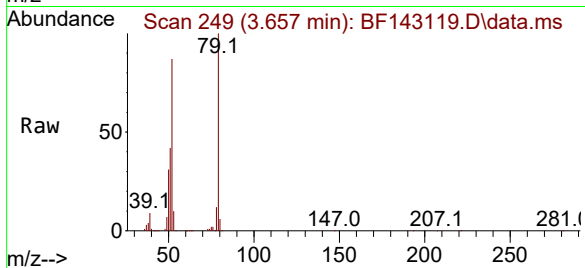




#3
 Pyridine
 Concen: 38.301 ng
 RT: 3.657 min Scan# 24
 Delta R.T. 0.076 min
 Lab File: BF143119.D
 Acq: 16 Jul 2025 20:39

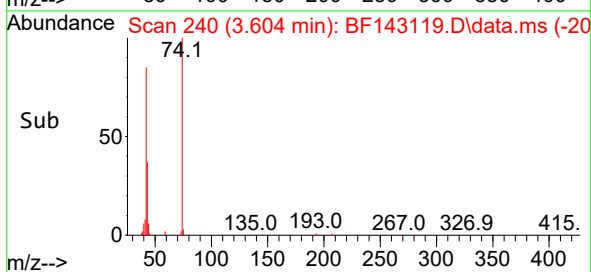
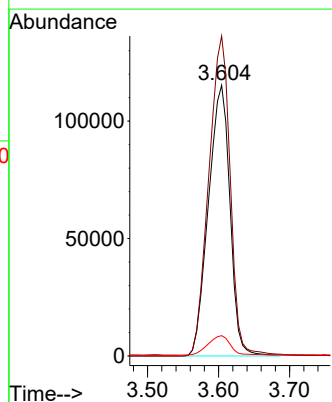
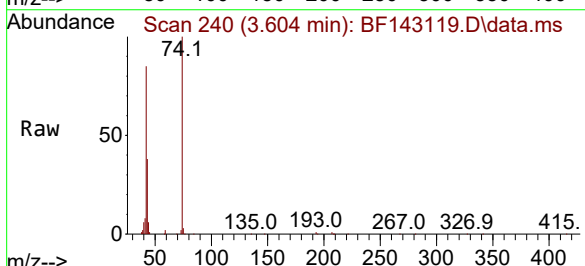
Instrument :
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 ClientSampleId :
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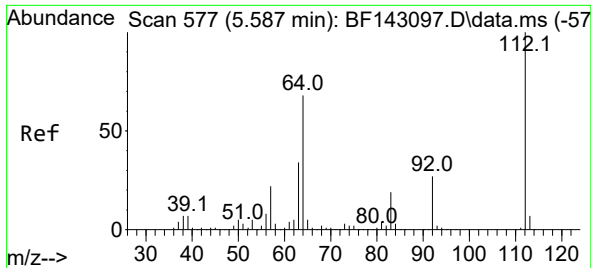
Tgt Ion: 79 Resp: 426573
 Ion Ratio Lower Upper
 79 100
 52 86.8 69.2 103.8
 51 41.6 33.3 49.9



#4
 n-Nitrosodimethylamine
 Concen: 42.061 ng
 RT: 3.604 min Scan# 240
 Delta R.T. 0.082 min
 Lab File: BF143119.D
 Acq: 16 Jul 2025 20:39

Tgt Ion: 42 Resp: 242710
 Ion Ratio Lower Upper
 42 100
 74 118.2 92.8 139.2
 44 7.5 5.8 8.6

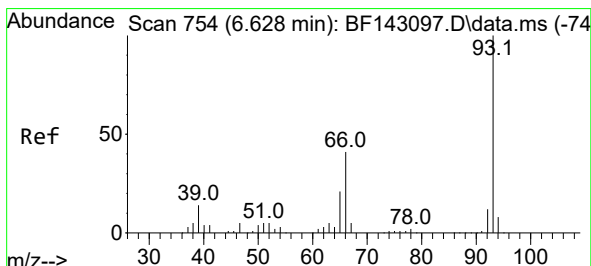
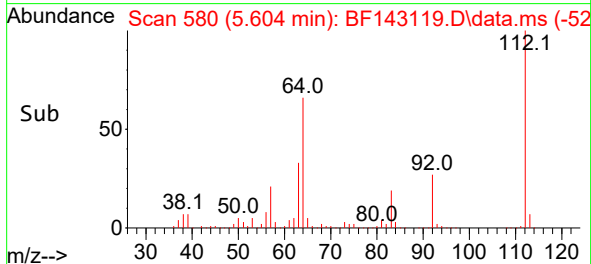
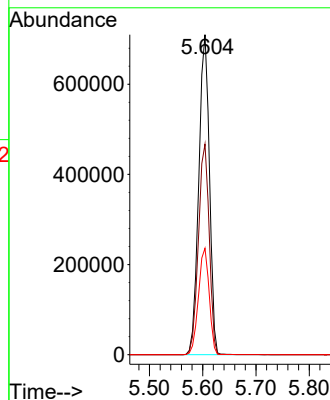
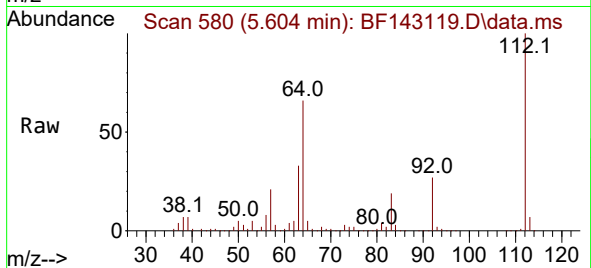




#5
2-Fluorophenol
Concen: 112.028 ng
RT: 5.604 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

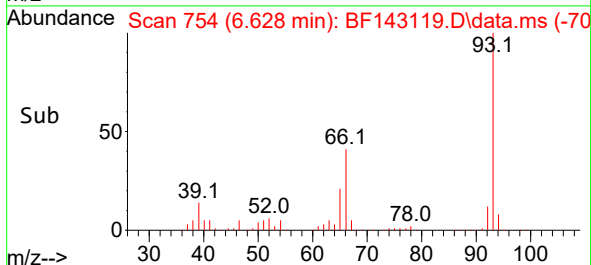
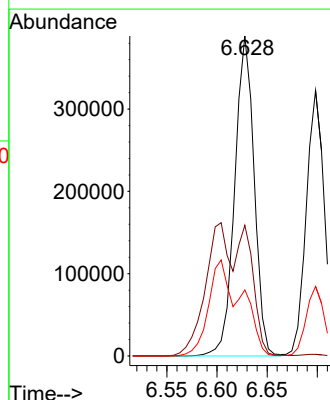
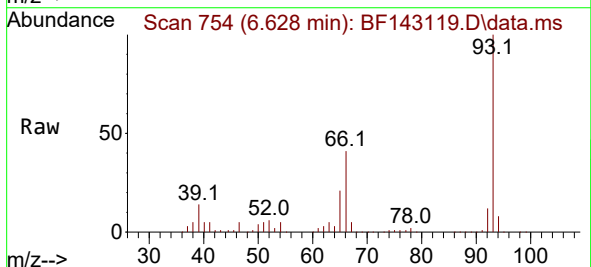
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ClientSampleId :
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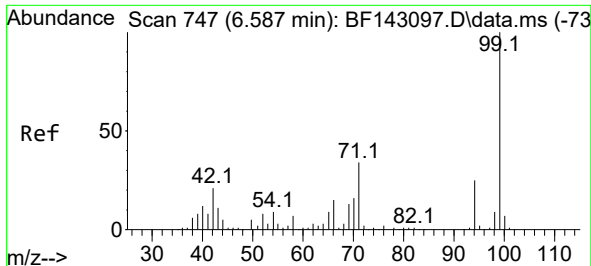
Tgt Ion:112 Resp: 989830
Ion Ratio Lower Upper
112 100
64 65.8 54.6 82.0
63 33.2 27.3 40.9



#6
Aniline
Concen: 33.531 ng
RT: 6.628 min Scan# 754
Delta R.T. -0.000 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

Tgt Ion: 93 Resp: 524410
Ion Ratio Lower Upper
93 100
66 40.9 33.1 49.7
65 20.6 16.9 25.3

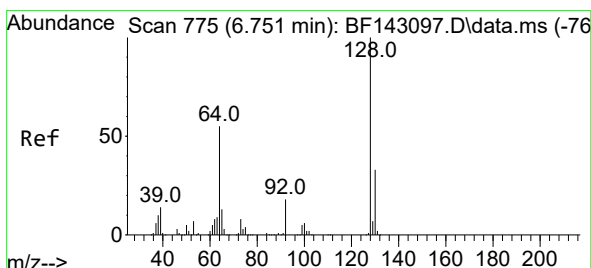
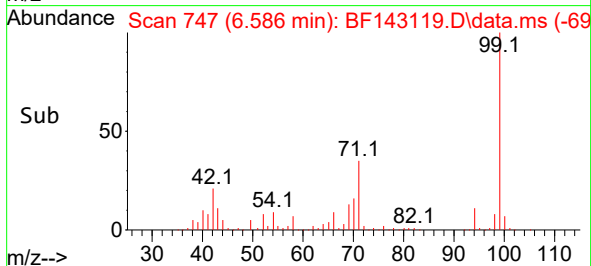
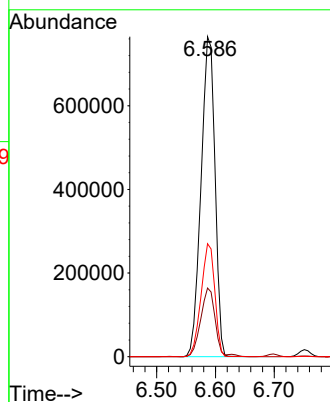
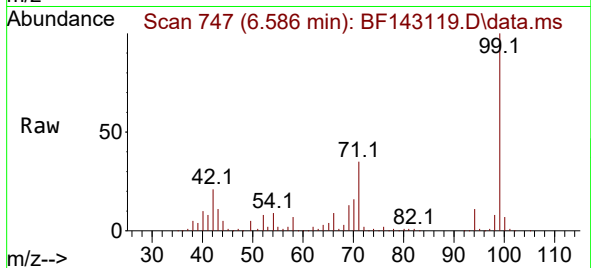




#7
Phenol-d6
Concen: 113.666 ng
RT: 6.586 min Scan# 747
Delta R.T. -0.000 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

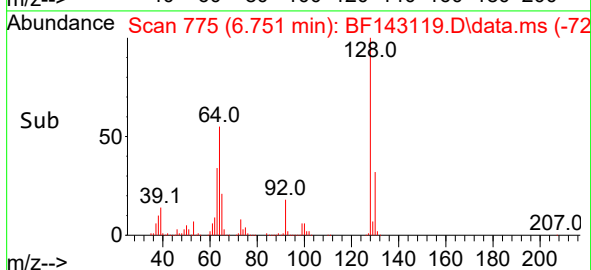
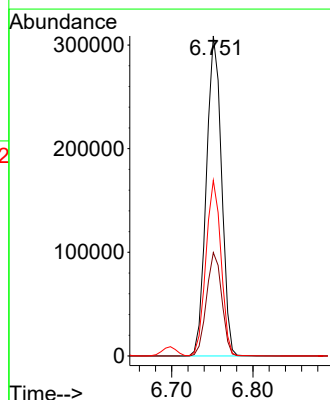
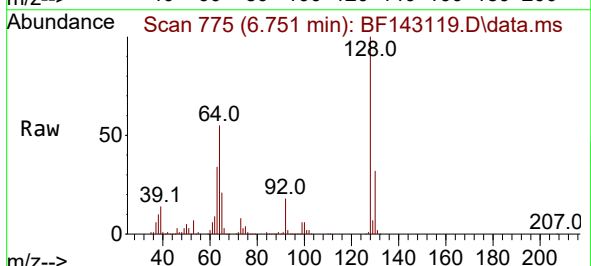
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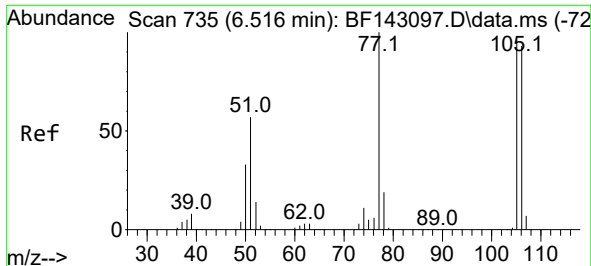
Tgt Ion: 99 Resp: 1262403
Ion Ratio Lower Upper
99 100
42 21.5 17.2 25.8
71 35.3 27.4 41.0



#8
2-Chlorophenol
Concen: 45.033 ng
RT: 6.751 min Scan# 775
Delta R.T. -0.000 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

Tgt Ion:128 Resp: 399769
Ion Ratio Lower Upper
128 100
130 32.3 12.8 52.8
64 54.9 36.1 76.1

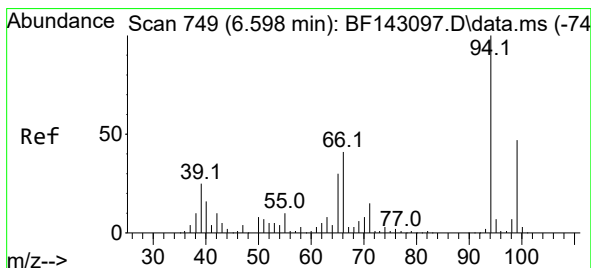
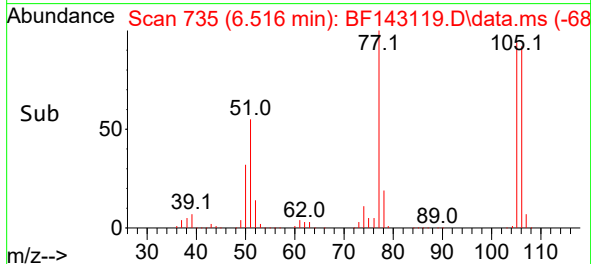
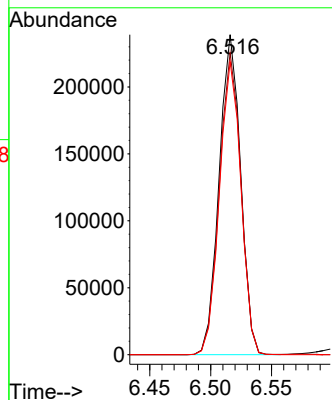
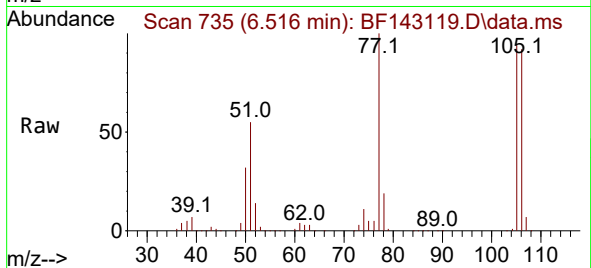




#9
Benzaldehyde
Concen: 34.636 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

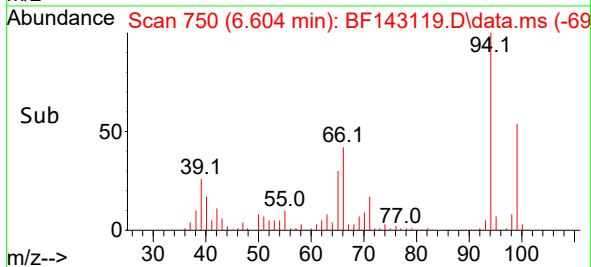
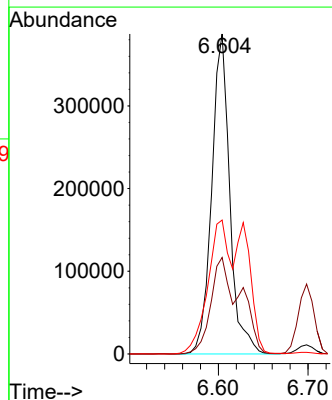
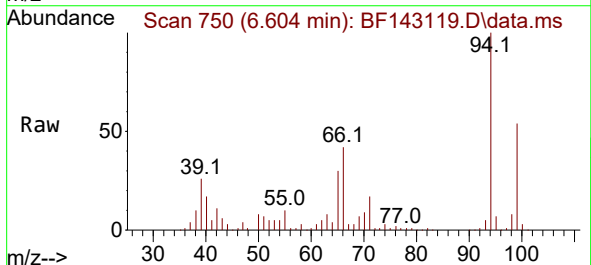
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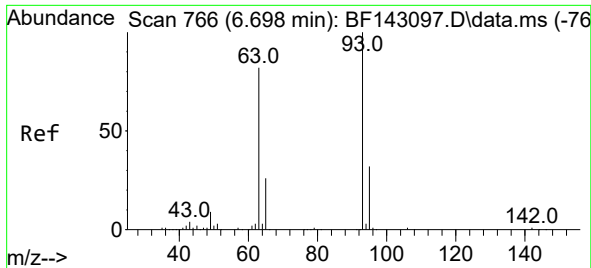
Tgt Ion: 77 Resp: 293118
Ion Ratio Lower Upper
77 100
105 94.4 76.3 116.3
106 91.6 72.8 112.8



#10
Phenol
Concen: 44.973 ng
RT: 6.604 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

Tgt Ion: 94 Resp: 540727
Ion Ratio Lower Upper
94 100
65 30.1 9.8 49.8
66 41.8 20.5 60.5

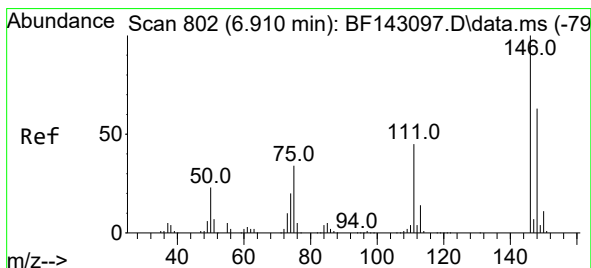
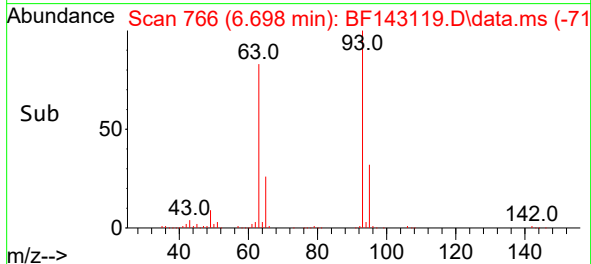
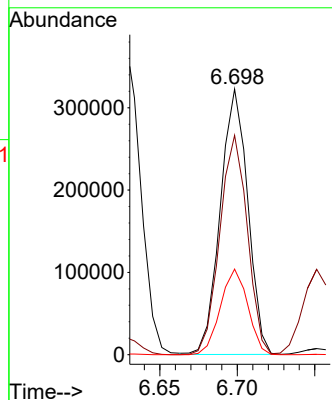
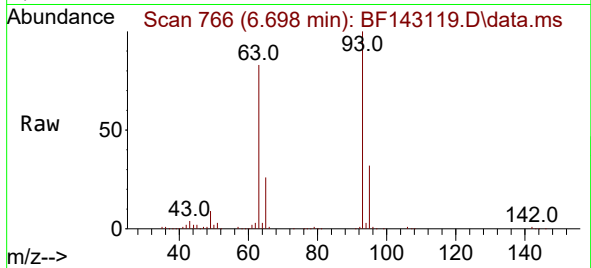




#11
bis(2-Chloroethyl)ether
Concen: 42.717 ng
RT: 6.698 min Scan# 766
Delta R.T. -0.000 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

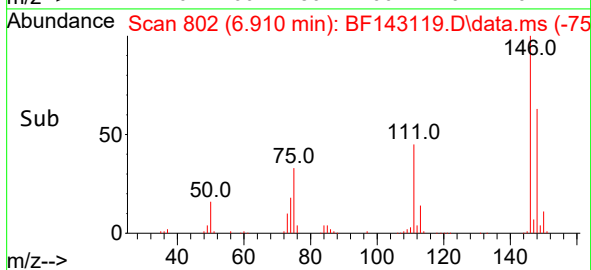
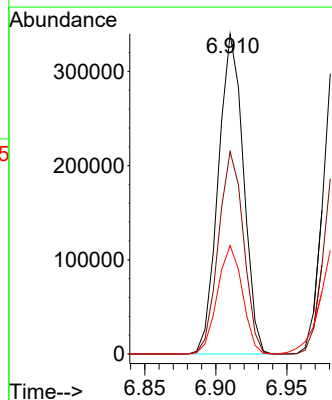
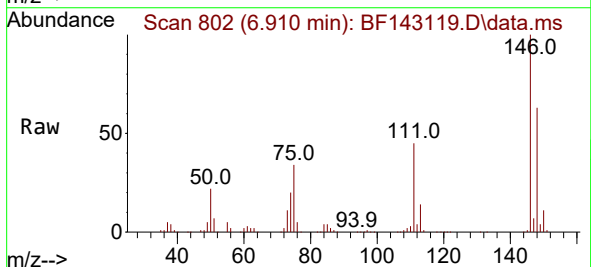
Instrument :
BNA_F
ClientSampleId :
PB168854BS

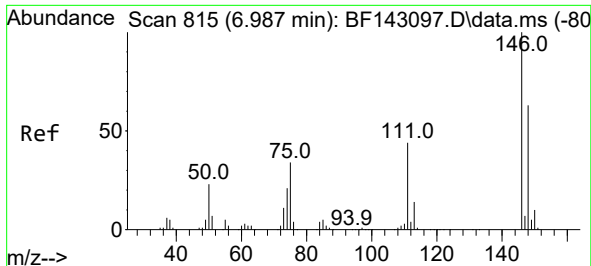
Tgt Ion: 93 Resp: 397600
Ion Ratio Lower Upper
93 100
63 82.6 61.9 101.9
95 32.2 12.2 52.2



#12
1,3-Dichlorobenzene
Concen: 41.677 ng
RT: 6.910 min Scan# 802
Delta R.T. -0.000 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

Tgt Ion:146 Resp: 417974
Ion Ratio Lower Upper
146 100
148 63.2 50.1 75.1
75 33.9 27.4 41.0

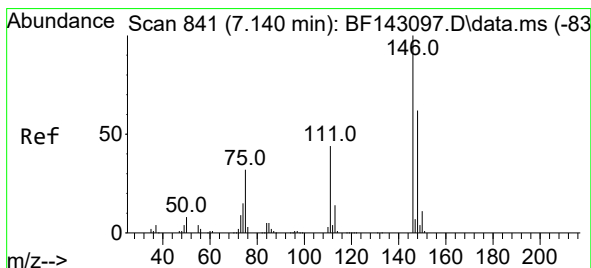
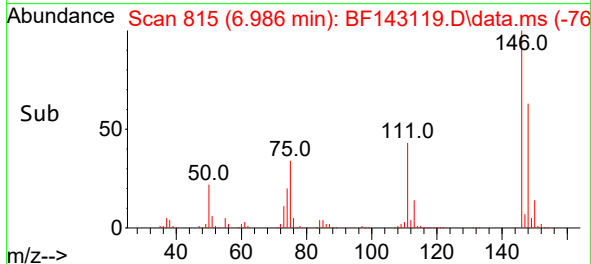
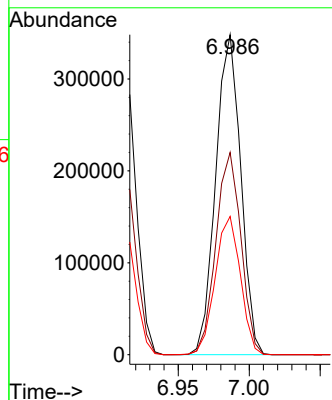
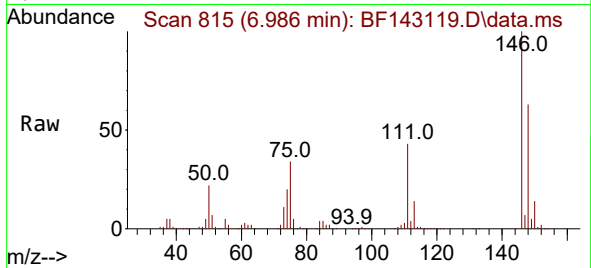




#13
1,4-Dichlorobenzene
Concen: 42.346 ng
RT: 6.986 min Scan# 815
Delta R.T. -0.000 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

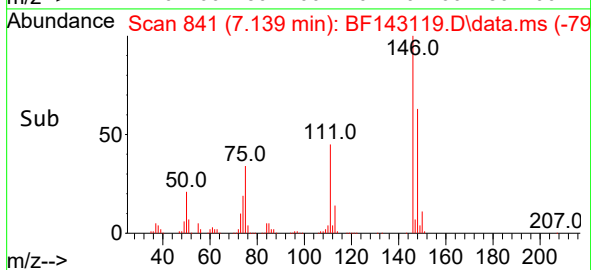
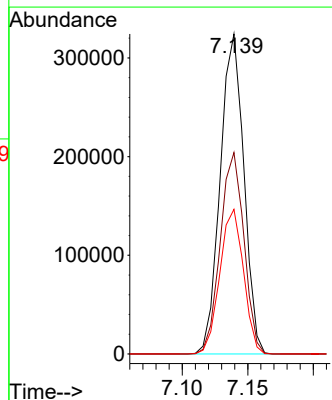
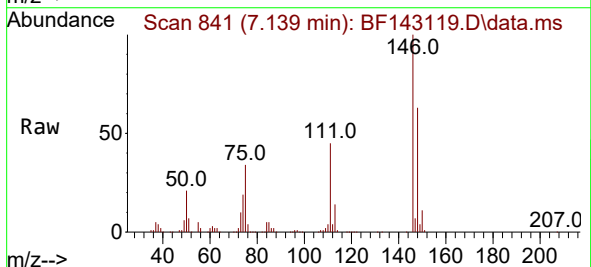
Instrument :
BNA_F
ClientSampleId :
PB168854BS

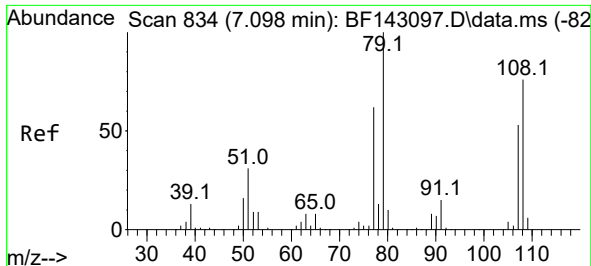
Tgt Ion:146 Resp: 427253
Ion Ratio Lower Upper
146 100
148 63.2 50.6 76.0
111 43.2 35.0 52.6



#14
1,2-Dichlorobenzene
Concen: 42.236 ng
RT: 7.139 min Scan# 841
Delta R.T. -0.000 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

Tgt Ion:146 Resp: 406381
Ion Ratio Lower Upper
146 100
148 62.9 49.8 74.6
111 45.2 35.4 53.0

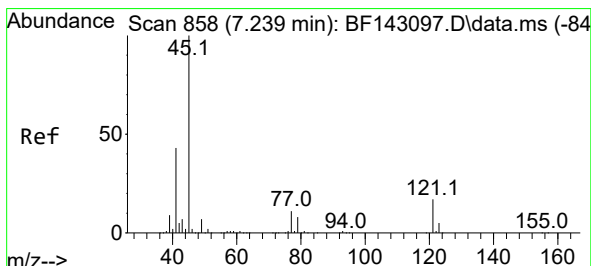
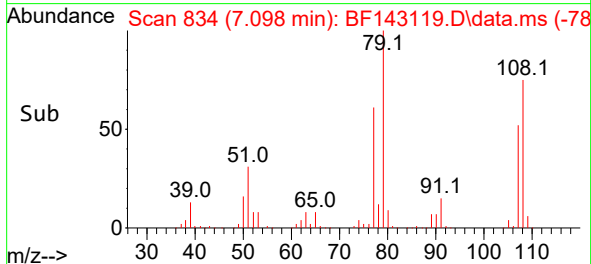
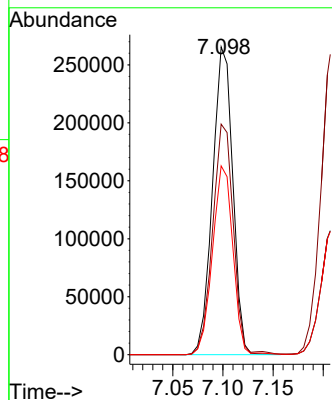
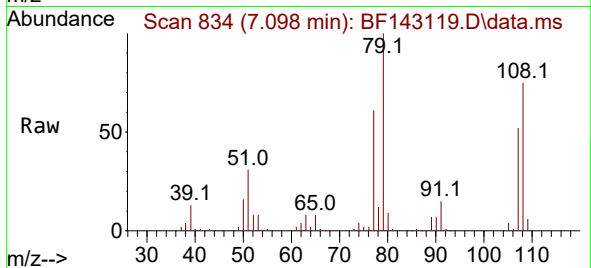




#15
Benzyl Alcohol
Concen: 45.231 ng
RT: 7.098 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

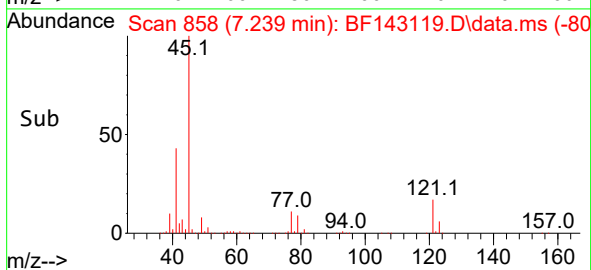
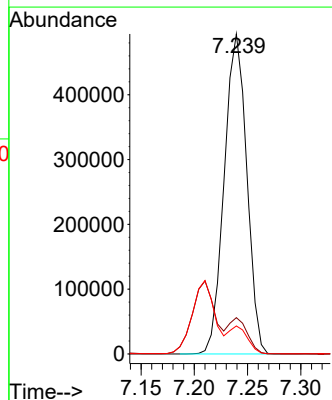
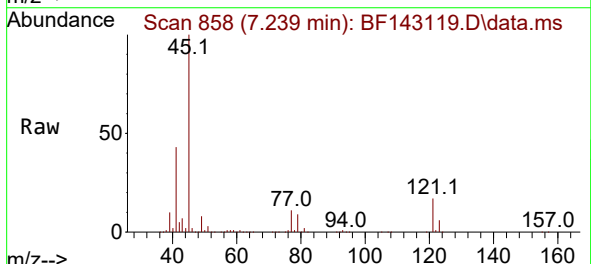
Instrument :
BNA_F
ClientSampleId :
PB168854BS

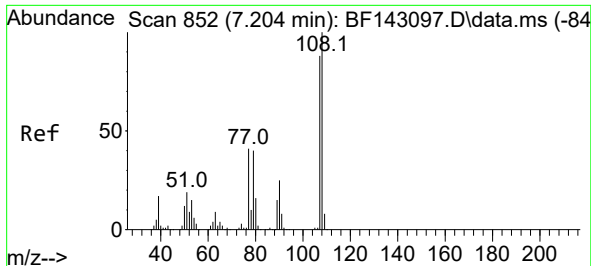
Tgt Ion: 79 Resp: 372222
Ion Ratio Lower Upper
79 100
108 74.9 61.1 91.7
77 61.3 49.9 74.9



#16
2,2'-oxybis(1-chloropropane)
Concen: 42.216 ng
RT: 7.239 min Scan# 858
Delta R.T. -0.000 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

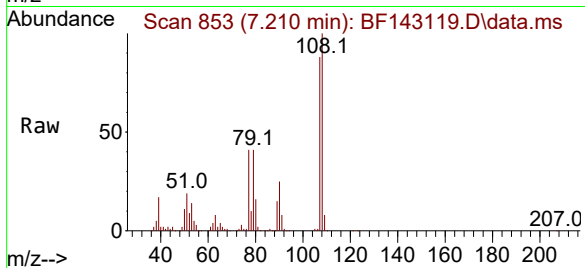
Tgt Ion: 45 Resp: 724325
Ion Ratio Lower Upper
45 100
77 11.4 0.0 31.1
79 8.8 0.0 28.4



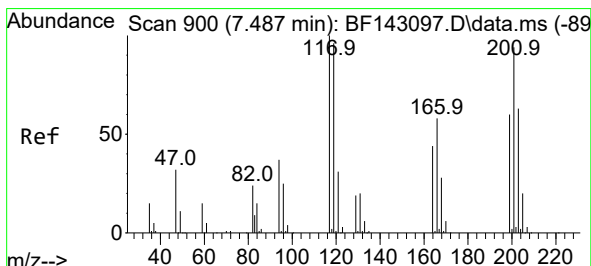
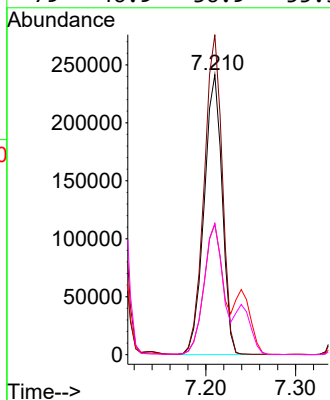
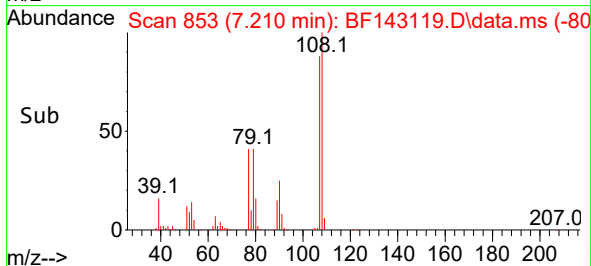


#17
2-Methylphenol
Concen: 44.003 ng
RT: 7.210 min Scan# 853
Delta R.T. 0.006 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

Instrument :
BNA_F
ClientSampleId :
PB168854BS

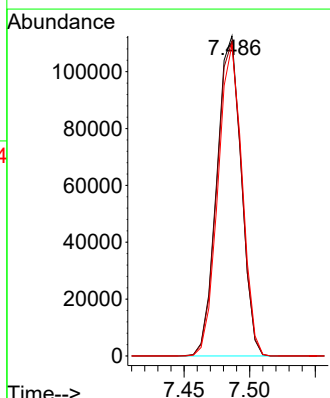
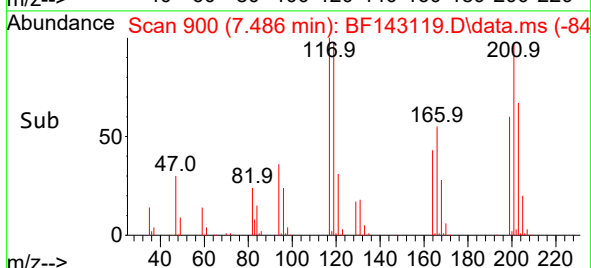
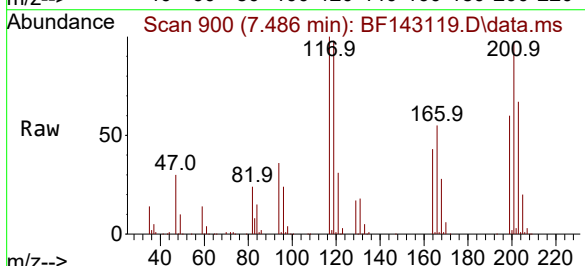


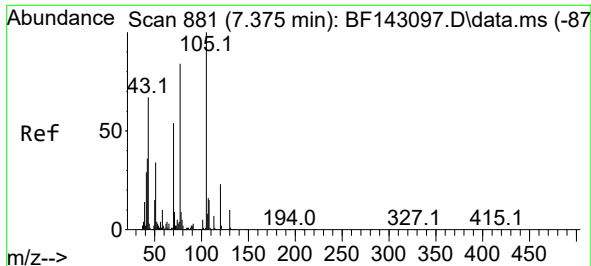
Tgt Ion:	107	Resp:	337095
Ion	Ratio	Lower	Upper
107	100		
108	114.3	90.9	136.3
77	46.6	37.5	56.3
79	46.9	36.9	55.3



#18
Hexachloroethane
Concen: 44.435 ng
RT: 7.486 min Scan# 900
Delta R.T. -0.000 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

Tgt Ion:	117	Resp:	145952
Ion	Ratio	Lower	Upper
117	100		
119	98.3	76.7	115.1
201	97.3	75.0	112.4





#19

n-Nitroso-di-n-propylamine

Concen: 43.942 ng

RT: 7.375 min Scan# 881

Delta R.T. -0.000 min

Lab File: BF143119.D

Acq: 16 Jul 2025 20:39

Instrument :

BNA_F

ClientSampleId :

PB168854BS

Tgt Ion: 70 Resp: 298994

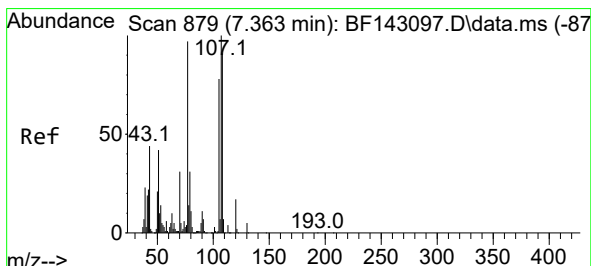
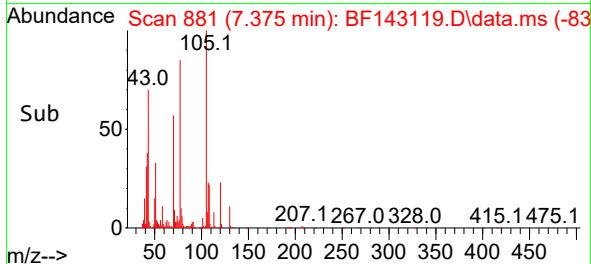
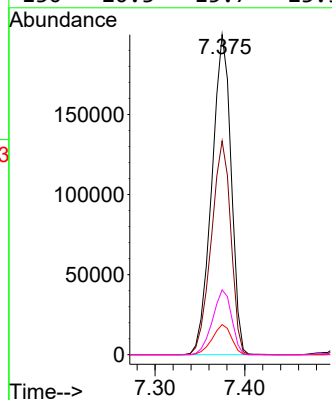
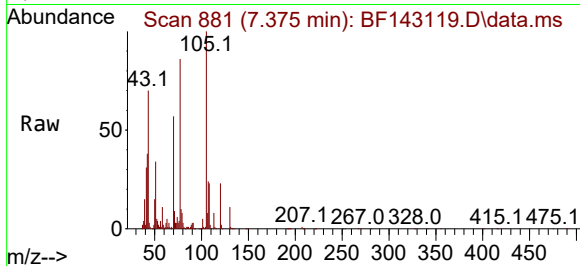
Ion Ratio Lower Upper

70 100

42 66.8 53.2 79.8

101 9.4 7.5 11.3

130 20.3 15.7 23.5



#20

3+4-Methylphenols

Concen: 44.228 ng

RT: 7.363 min Scan# 879

Delta R.T. -0.000 min

Lab File: BF143119.D

Acq: 16 Jul 2025 20:39

Tgt Ion: 107 Resp: 415512

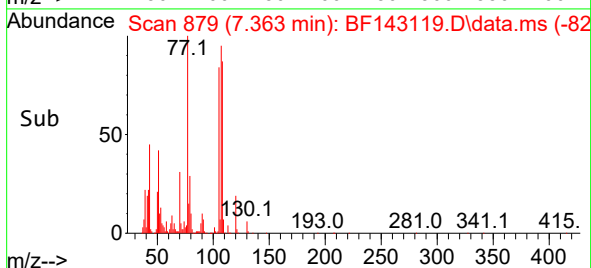
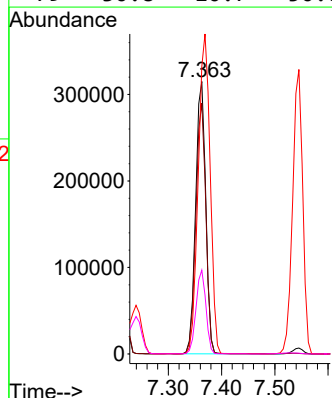
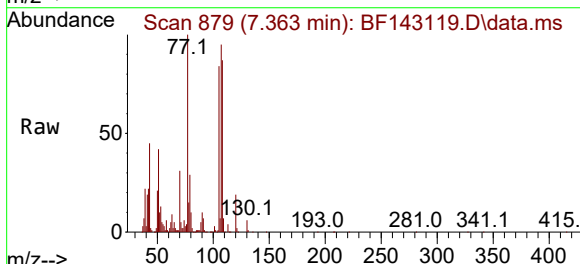
Ion Ratio Lower Upper

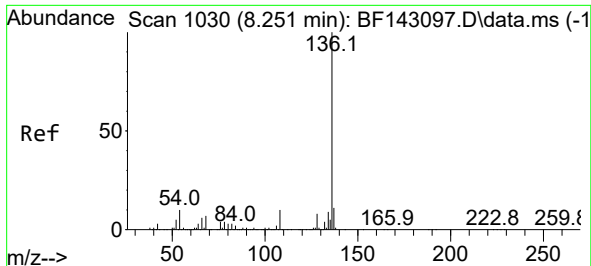
107 100

108 92.1 71.3 111.3

77 105.5 77.2 117.2

79 30.8 10.7 50.7

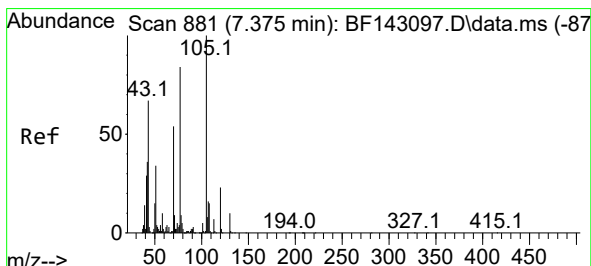
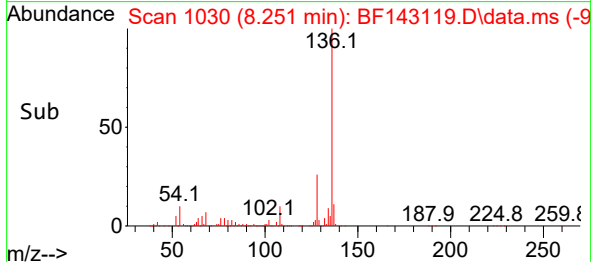
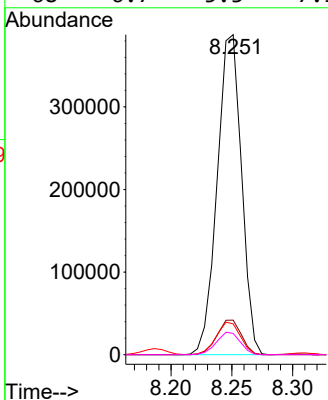
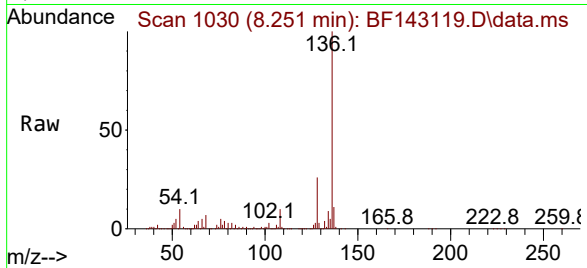




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

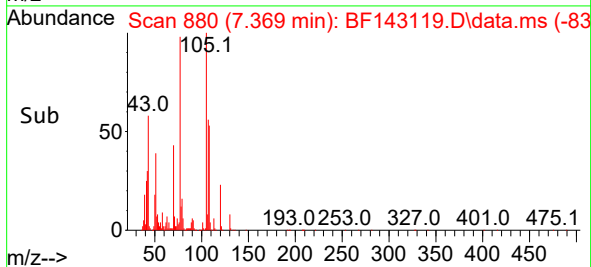
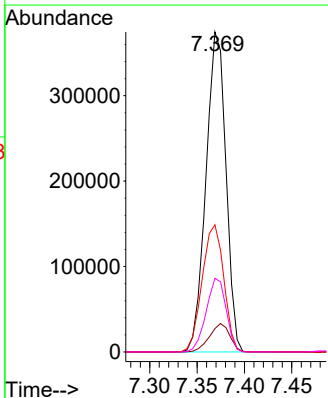
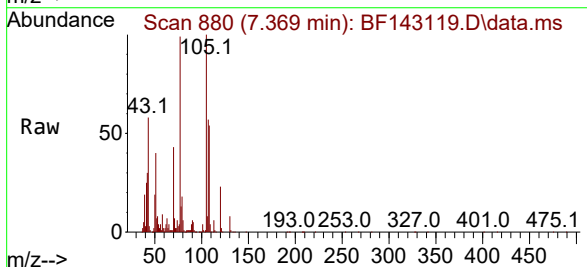
Instrument :
BNA_F
ClientSampleId :
PB168854BS

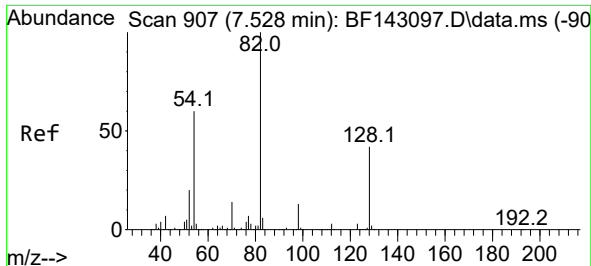
Tgt Ion:	136	Resp:	538805
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	9.7	8.3	12.5
68	6.7	5.3	7.9



#22
Acetophenone
Concen: 42.355 ng
RT: 7.369 min Scan# 880
Delta R.T. -0.006 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

Tgt Ion:	105	Resp:	550129
Ion Ratio	Lower	Upper	
105	100		
71	7.3	7.2	10.8
51	39.8	27.0	40.4
120	23.0	18.2	27.2





#23

Nitrobenzene-d5

Concen: 86.012 ng

RT: 7.528 min Scan# 907

Delta R.T. -0.000 min

Lab File: BF143119.D

Acq: 16 Jul 2025 20:39

Instrument :

BNA_F

ClientSampleId :

PB168854BS

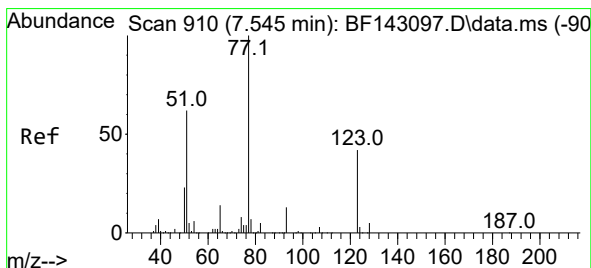
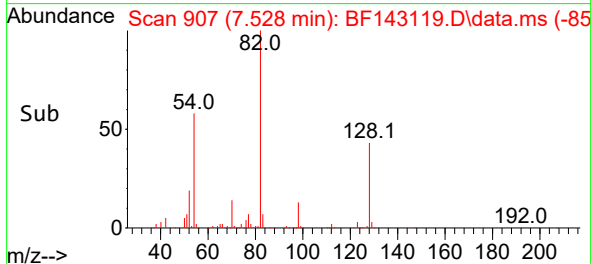
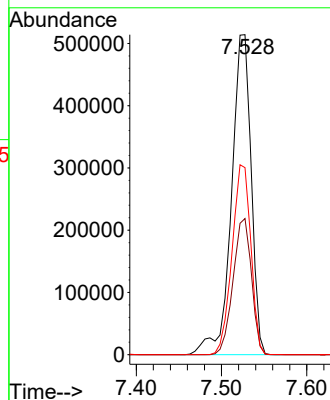
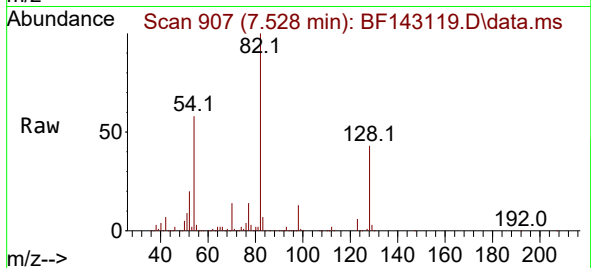
Tgt Ion: 82 Resp: 826120

Ion Ratio Lower Upper

82 100

128 42.6 33.3 49.9

54 58.5 47.4 71.2



#24

Nitrobenzene

Concen: 46.668 ng

RT: 7.545 min Scan# 910

Delta R.T. -0.000 min

Lab File: BF143119.D

Acq: 16 Jul 2025 20:39

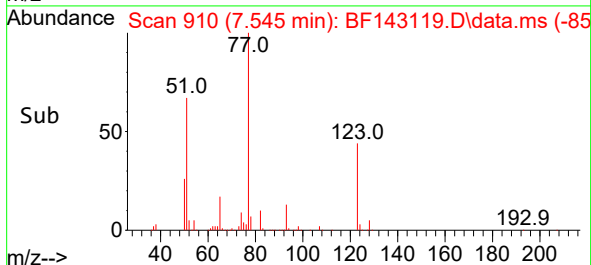
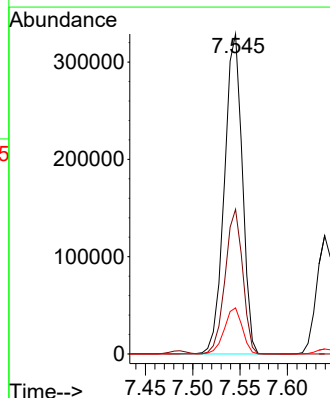
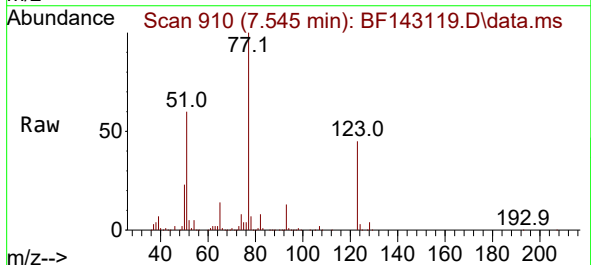
Tgt Ion: 77 Resp: 432713

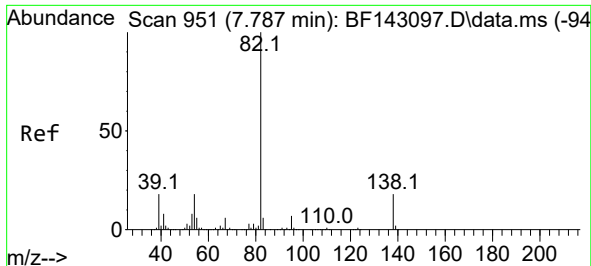
Ion Ratio Lower Upper

77 100

123 45.2 34.5 51.7

65 14.4 11.3 16.9

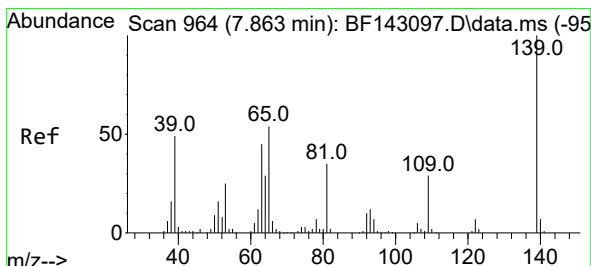
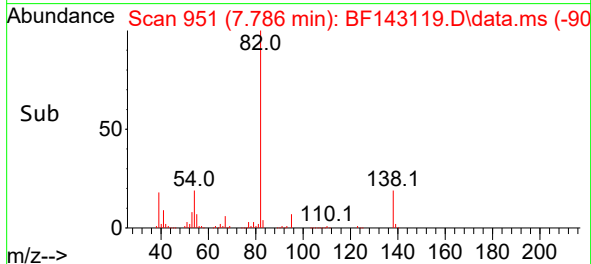
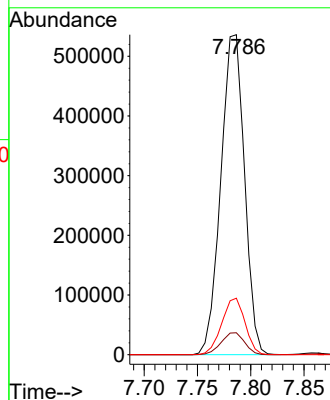
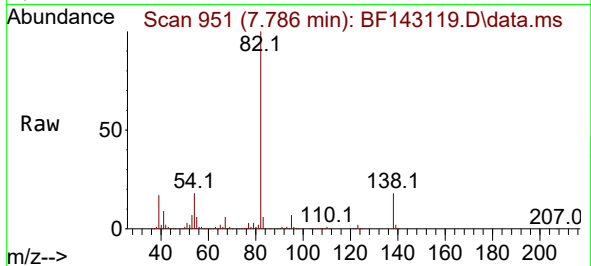




#25
Isophorone
Concen: 44.624 ng
RT: 7.786 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

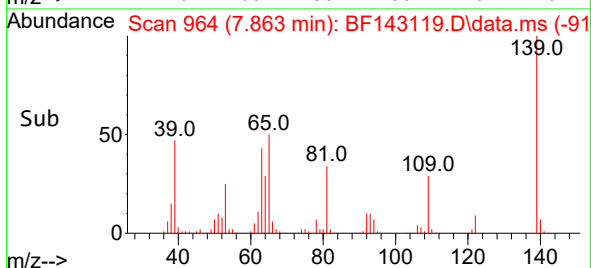
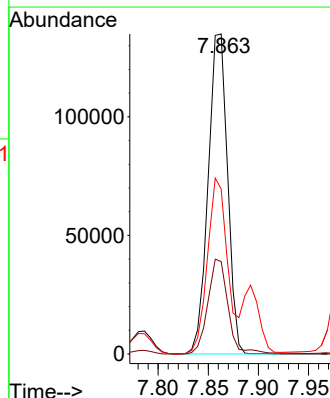
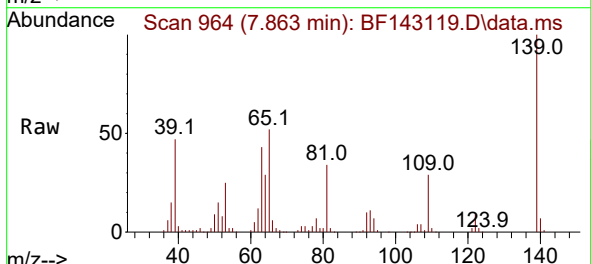
Instrument :
BNA_F
ClientSampleId :
PB168854BS

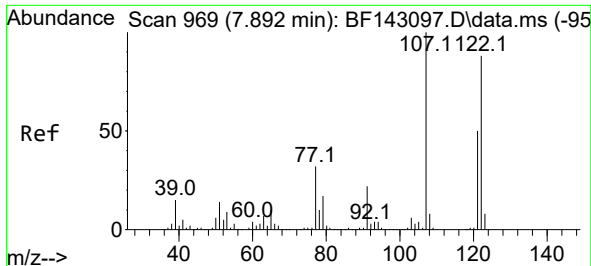
Tgt Ion: 82 Resp: 828422
Ion Ratio Lower Upper
82 100
95 6.9 5.6 8.4
138 17.6 14.3 21.5



#26
2-Nitrophenol
Concen: 49.075 ng
RT: 7.863 min Scan# 964
Delta R.T. -0.000 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

Tgt Ion:139 Resp: 182190
Ion Ratio Lower Upper
139 100
109 28.9 23.4 35.0
65 51.6 43.4 65.2





#27

2,4-Dimethylphenol

Concen: 44.367 ng

RT: 7.892 min Scan# 9

Delta R.T. -0.000 min

Lab File: BF143119.D

Acq: 16 Jul 2025 20:39

Instrument :

BNA_F

ClientSampleId :

PB168854BS

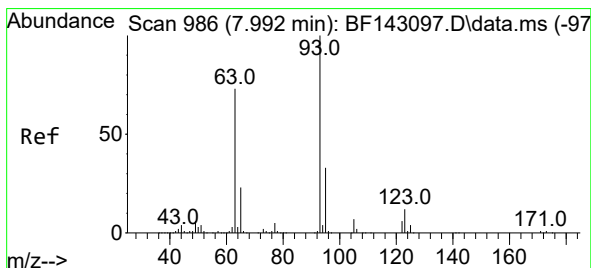
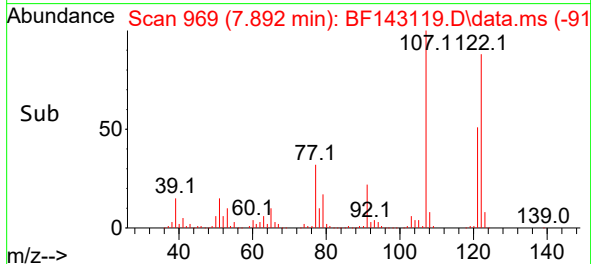
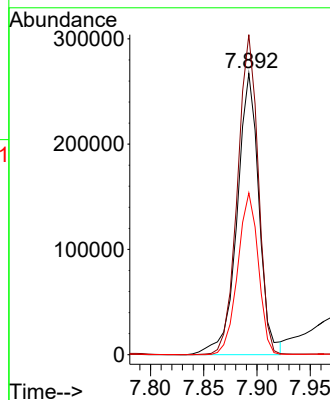
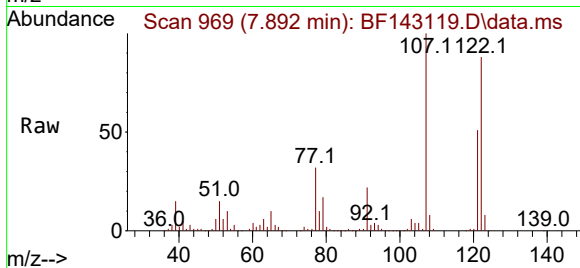
Tgt Ion:122 Resp: 382286

Ion Ratio Lower Upper

122 100

107 113.7 91.3 136.9

121 57.5 45.5 68.3



#28

bis(2-Chloroethoxy)methane

Concen: 43.864 ng

RT: 7.992 min Scan# 986

Delta R.T. -0.000 min

Lab File: BF143119.D

Acq: 16 Jul 2025 20:39

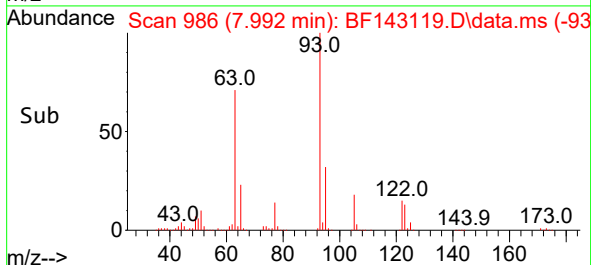
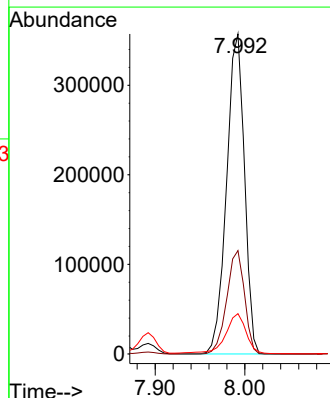
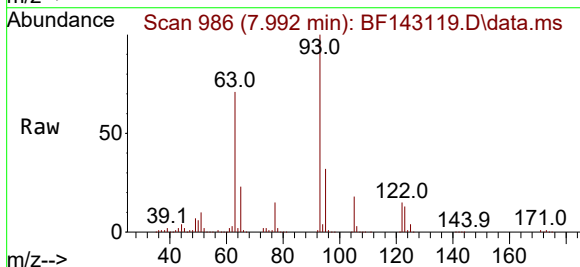
Tgt Ion: 93 Resp: 493796

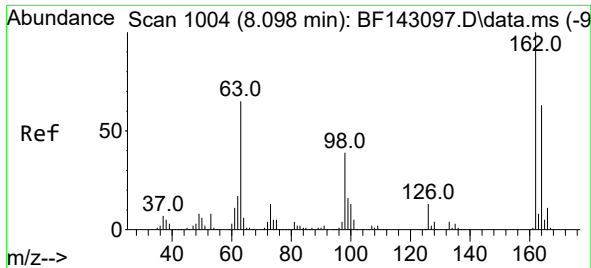
Ion Ratio Lower Upper

93 100

95 32.3 26.2 39.4

123 12.6 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 46.284 ng

RT: 8.098 min Scan# 1019

Delta R.T. -0.000 min

Lab File: BF143119.D

Acq: 16 Jul 2025 20:39

Instrument :

BNA_F

ClientSampleId :

PB168854BS

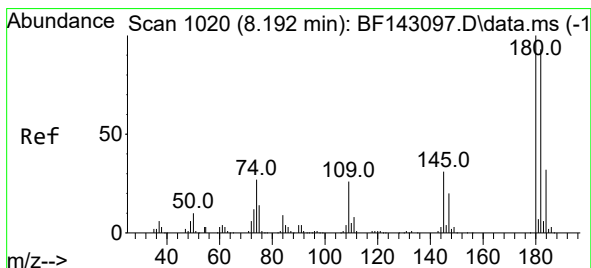
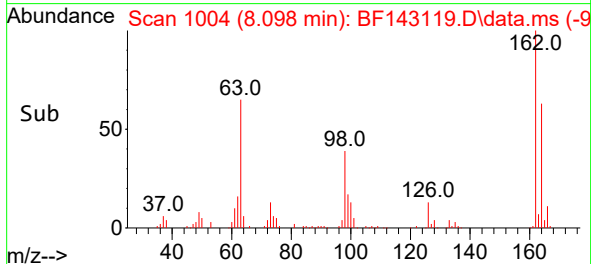
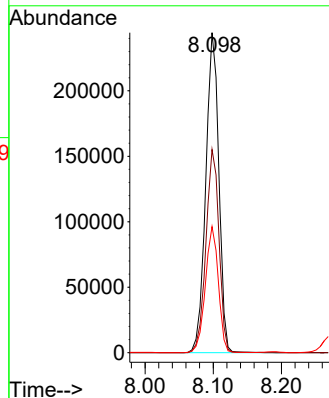
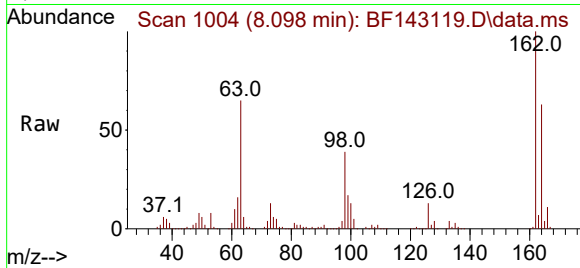
Tgt Ion:162 Resp: 326258

Ion Ratio Lower Upper

162 100

164 63.5 43.1 83.1

98 39.4 19.2 59.2



#30

1,2,4-Trichlorobenzene

Concen: 43.280 ng

RT: 8.186 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF143119.D

Acq: 16 Jul 2025 20:39

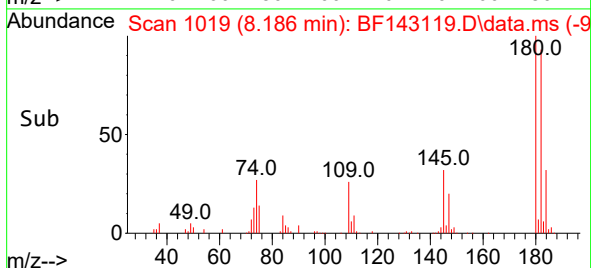
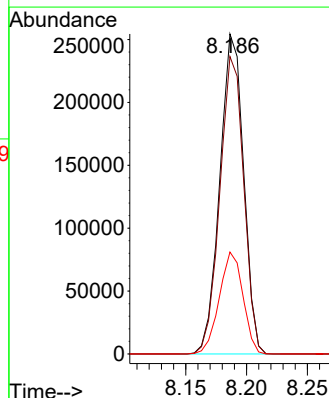
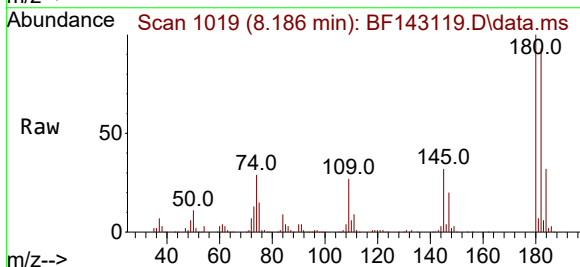
Tgt Ion:180 Resp: 346239

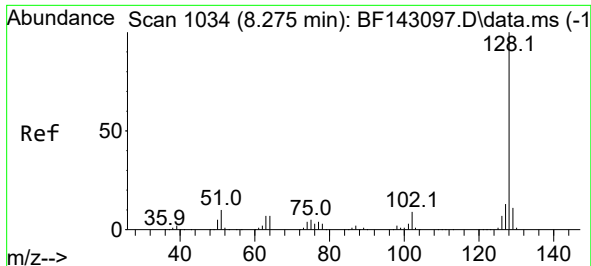
Ion Ratio Lower Upper

180 100

182 92.9 74.7 112.1

145 31.9 24.5 36.7

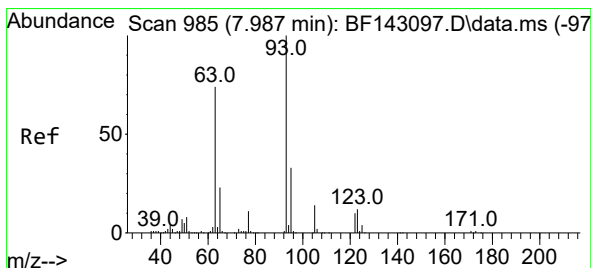
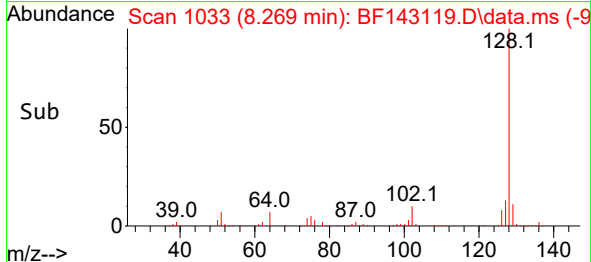
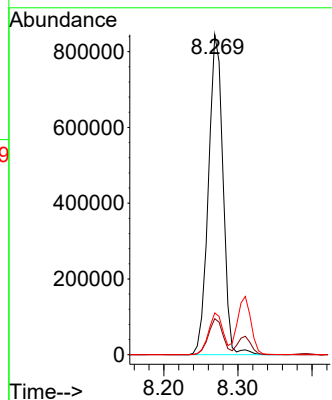
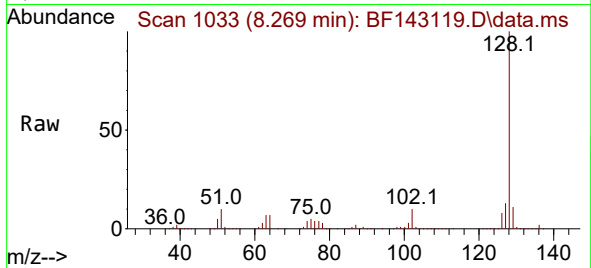




#31
Naphthalene
Concen: 43.016 ng
RT: 8.269 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

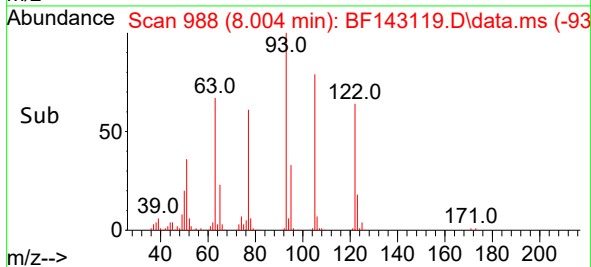
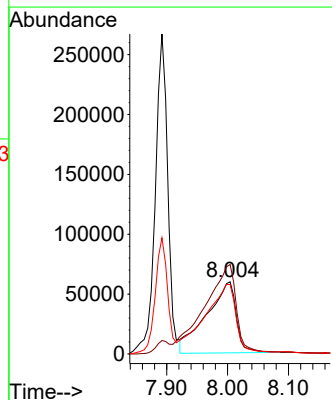
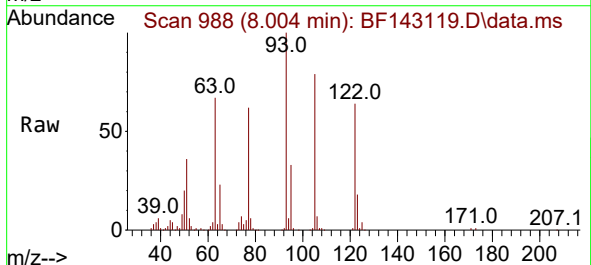
Instrument :
BNA_F
ClientSampleId :
PB168854BS

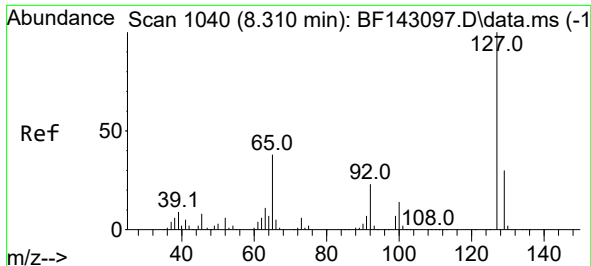
Tgt Ion:128 Resp: 1150939
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.4
127 13.0 10.5 15.7



#32
Benzoic acid
Concen: 47.238 ng
RT: 8.004 min Scan# 988
Delta R.T. 0.017 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

Tgt Ion:122 Resp: 202294
Ion Ratio Lower Upper
122 100
105 124.0 105.4 145.4
77 96.3 78.6 118.6

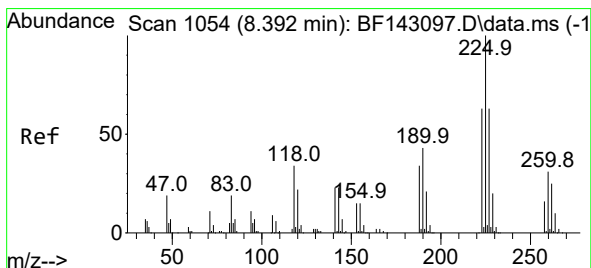
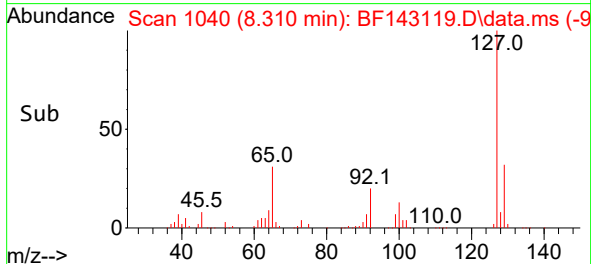
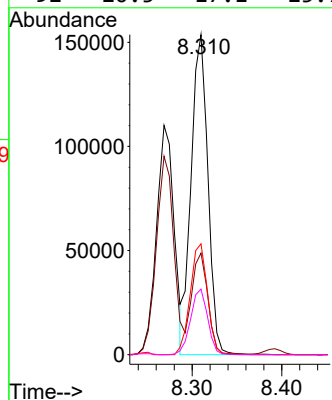
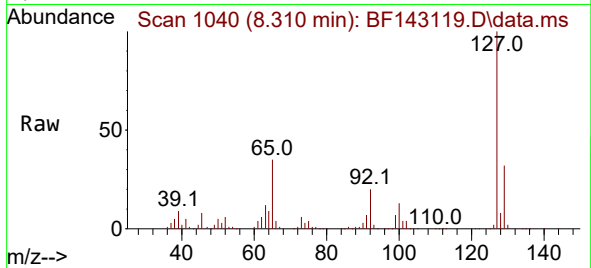




#33
4-Chloroaniline
Concen: 18.568 ng
RT: 8.310 min Scan# 1040
Delta R.T. -0.000 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

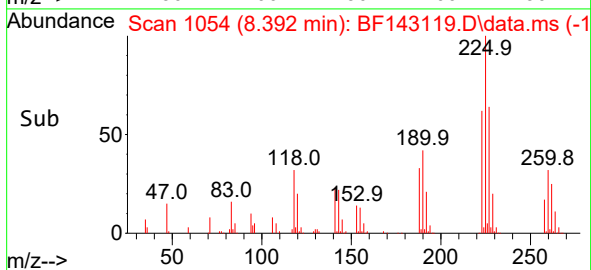
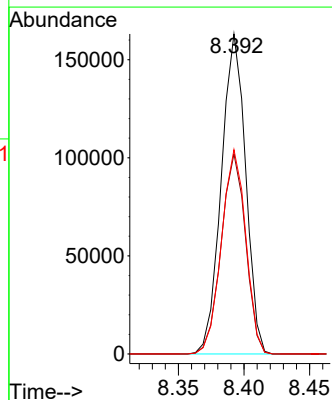
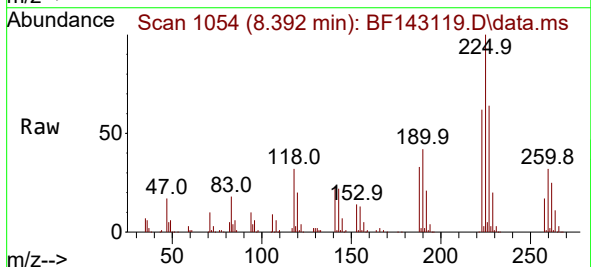
Instrument :
BNA_F
ClientSampleId :
PB168854BS

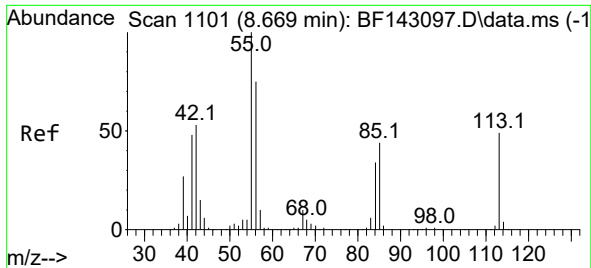
Tgt Ion:127	Resp: 199781
Ion Ratio	Lower Upper
127 100	
129 31.8	26.2 39.4
65 34.6	28.6 42.8
92 20.5	17.1 25.7



#34
Hexachlorobutadiene
Concen: 43.936 ng
RT: 8.392 min Scan# 1054
Delta R.T. -0.000 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

Tgt	Ion:225	Resp:	210203
Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.3	75.5
227	63.8	50.1	75.1

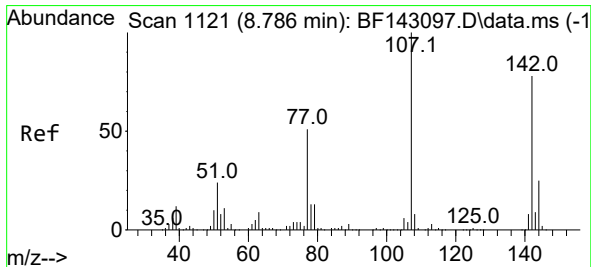
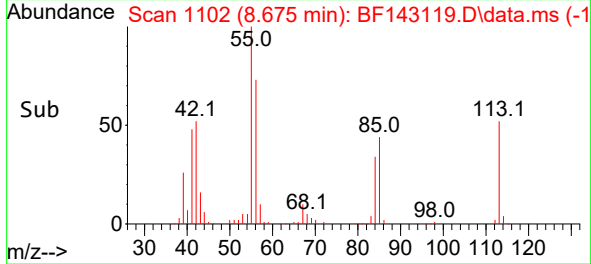
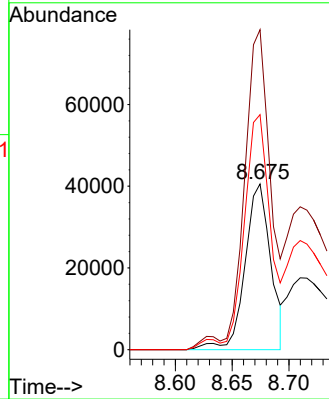
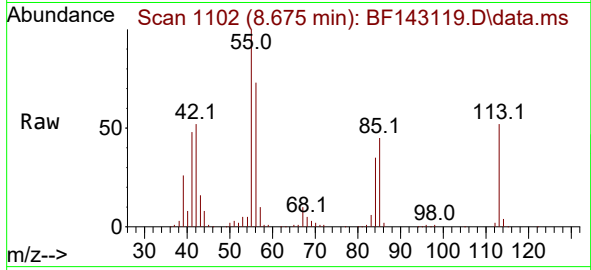




#35
 Caprolactam
 Concen: 29.016 ng
 RT: 8.675 min Scan# 1101
 Delta R.T. 0.006 min
 Lab File: BF143119.D
 Acq: 16 Jul 2025 20:39

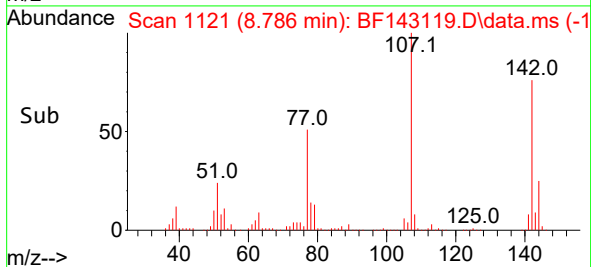
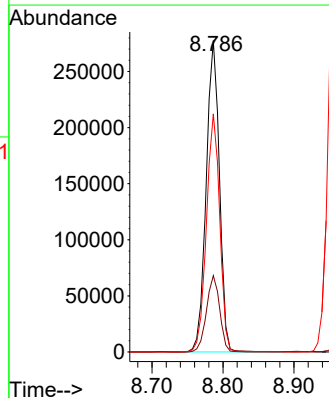
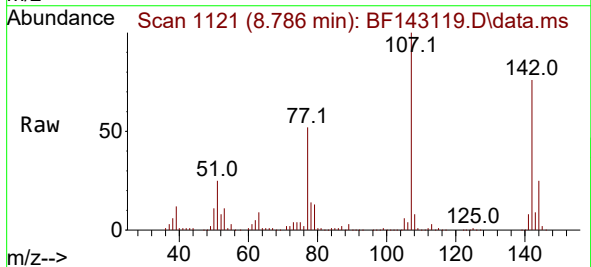
Instrument :
 BNA_F
 ClientSampleId :
 PB168854BS

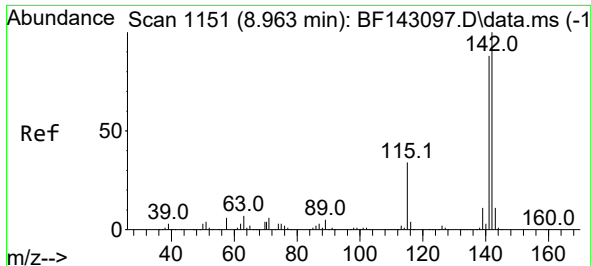
Tgt Ion:113 Resp: 63869
 Ion Ratio Lower Upper
 113 100
 55 193.0 186.2 226.2
 56 141.8 134.1 174.1



#36
 4-Chloro-3-methylphenol
 Concen: 46.015 ng
 RT: 8.786 min Scan# 1121
 Delta R.T. -0.000 min
 Lab File: BF143119.D
 Acq: 16 Jul 2025 20:39

Tgt Ion:107 Resp: 361316
 Ion Ratio Lower Upper
 107 100
 144 24.5 20.2 30.2
 142 76.5 62.4 93.6

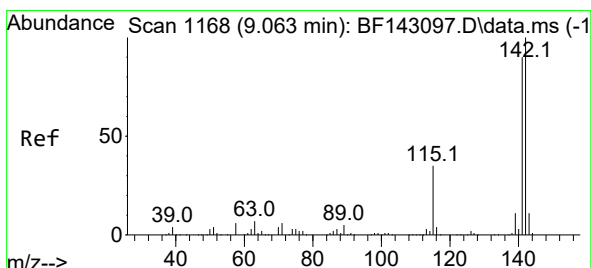
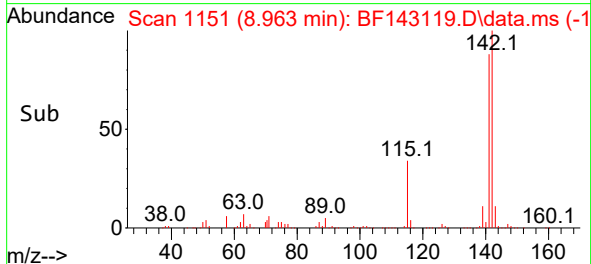
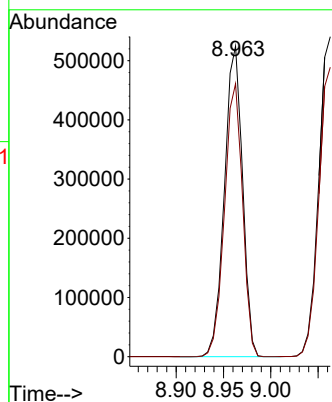
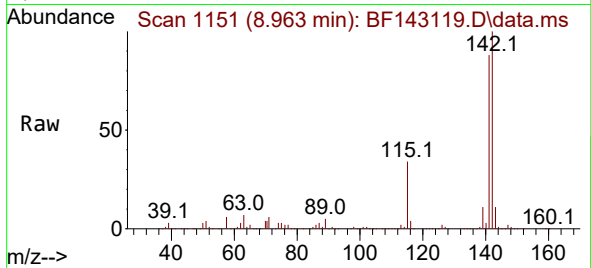




#37
2-Methylnaphthalene
Concen: 43.769 ng
RT: 8.963 min Scan# 1151
Delta R.T. -0.000 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

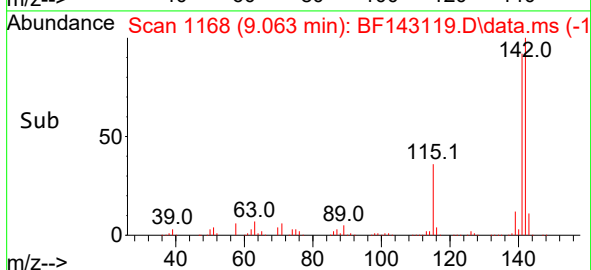
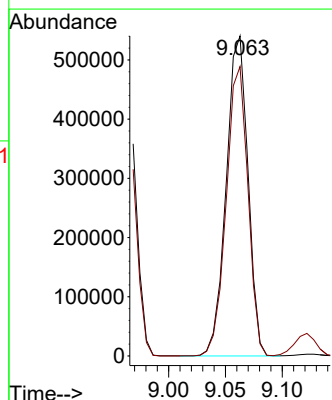
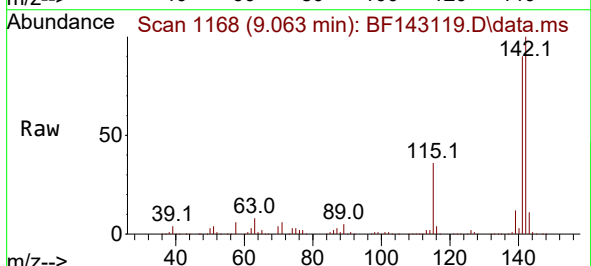
Instrument :
BNA_F
ClientSampleId :
PB168854BS

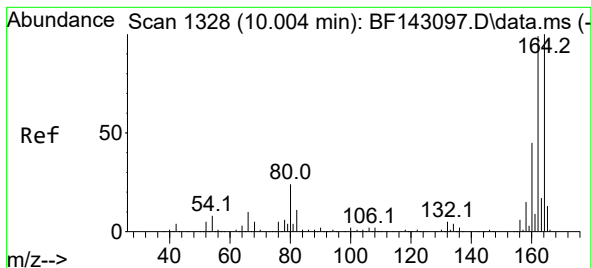
Tgt Ion:142 Resp: 698633
Ion Ratio Lower Upper
142 100
141 87.9 70.2 105.2



#38
1-Methylnaphthalene
Concen: 43.413 ng
RT: 9.063 min Scan# 1168
Delta R.T. -0.000 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

Tgt Ion:142 Resp: 718711
Ion Ratio Lower Upper
142 100
141 90.4 72.2 108.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143119.D

Acq: 16 Jul 2025 20:39

Instrument :

BNA_F

ClientSampleId :

PB168854BS

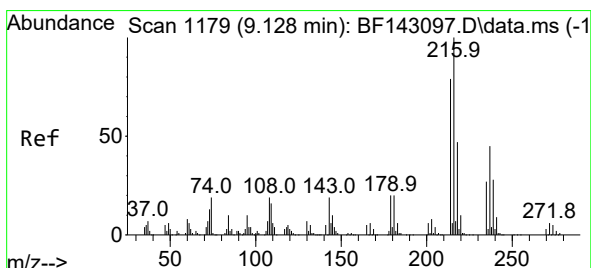
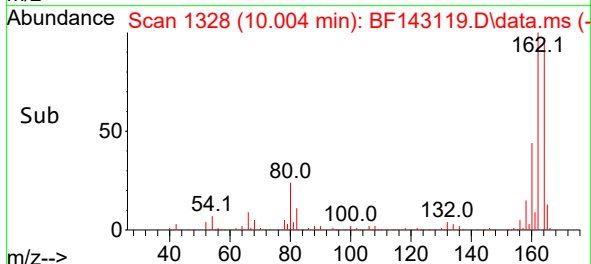
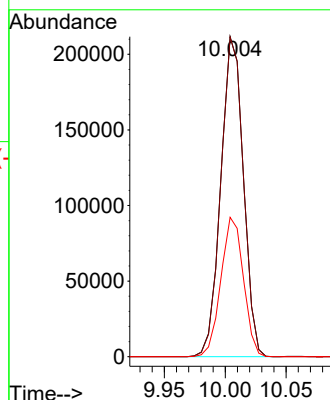
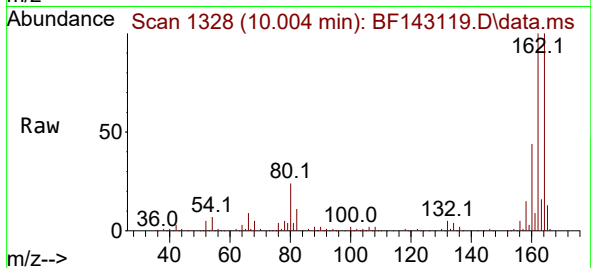
Tgt Ion:164 Resp: 272708

Ion Ratio Lower Upper

164 100

162 99.8 79.0 118.6

160 43.6 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 42.026 ng

RT: 9.127 min Scan# 1179

Delta R.T. -0.000 min

Lab File: BF143119.D

Acq: 16 Jul 2025 20:39

Tgt Ion:216 Resp: 333993

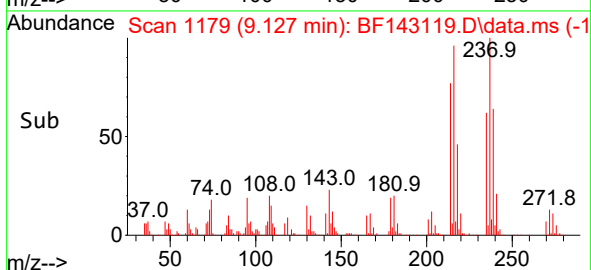
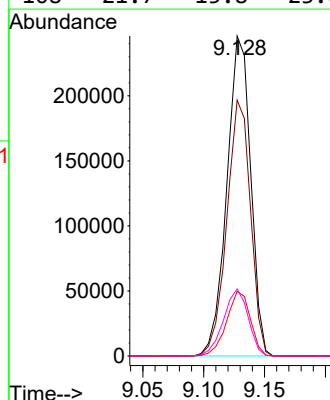
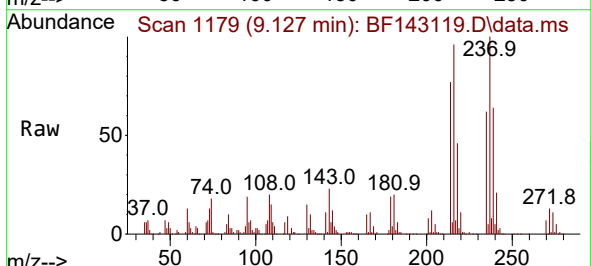
Ion Ratio Lower Upper

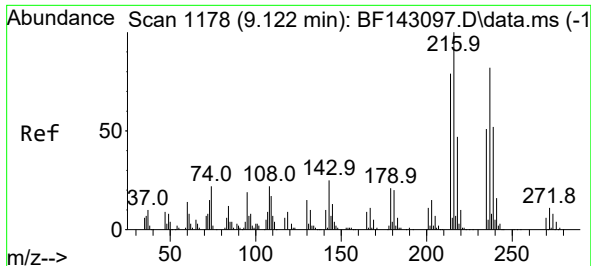
216 100

214 79.5 62.6 94.0

179 20.2 16.2 24.2

108 21.7 15.8 23.6

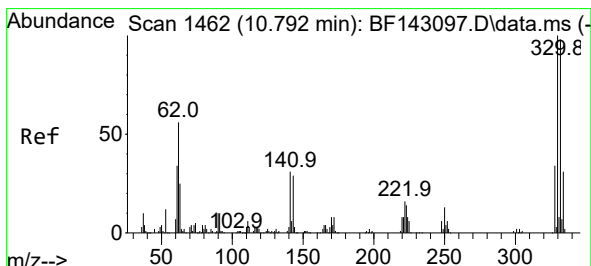
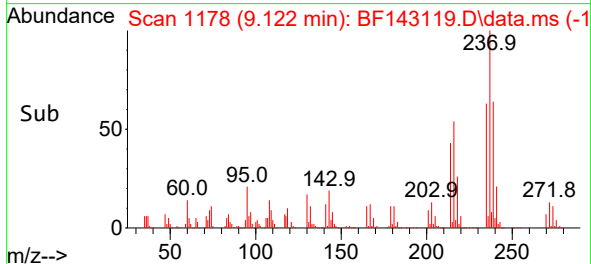
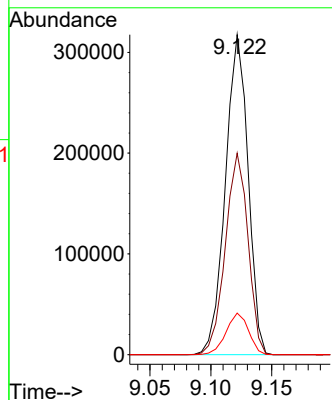
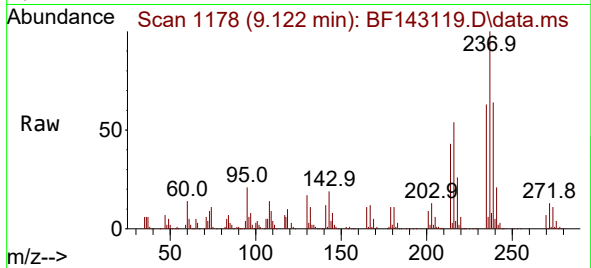




#41
Hexachlorocyclopentadiene
Concen: 93.298 ng
RT: 9.122 min Scan# 1178
Delta R.T. -0.000 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

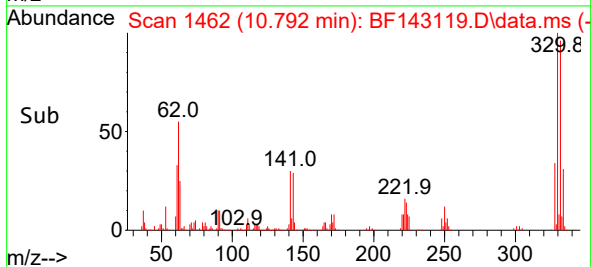
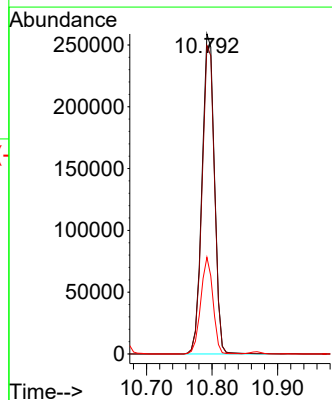
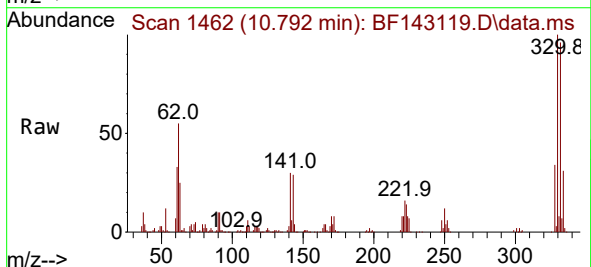
Instrument :
BNA_F
ClientSampleId :
PB168854BS

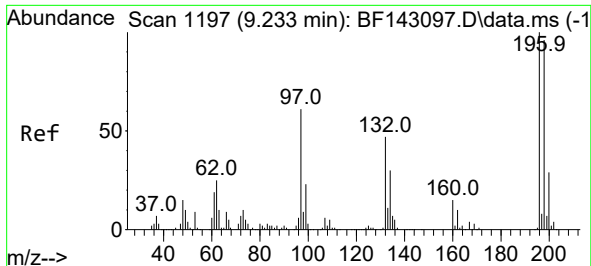
Tgt Ion:237 Resp: 411090
Ion Ratio Lower Upper
237 100
235 62.9 41.6 81.6
272 13.0 0.0 32.9



#42
2,4,6-Tribromophenol
Concen: 140.273 ng
RT: 10.792 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

Tgt Ion:330 Resp: 341088
Ion Ratio Lower Upper
330 100
332 96.6 77.9 116.9
141 29.6 25.9 38.9





#43

2,4,6-Trichlorophenol

Concen: 47.049 ng

RT: 9.233 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143119.D

Acq: 16 Jul 2025 20:39

Instrument :

BNA_F

ClientSampleId :

PB168854BS

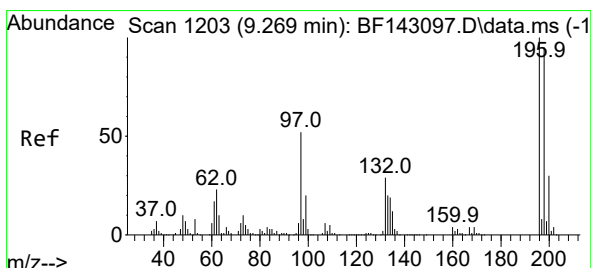
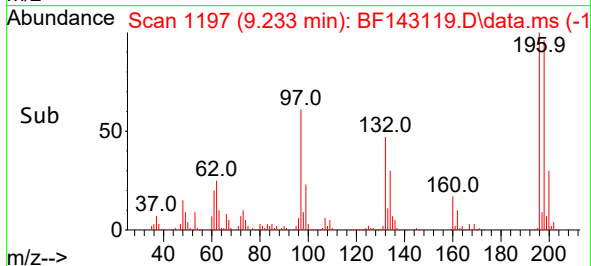
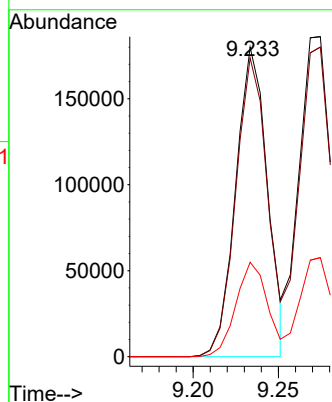
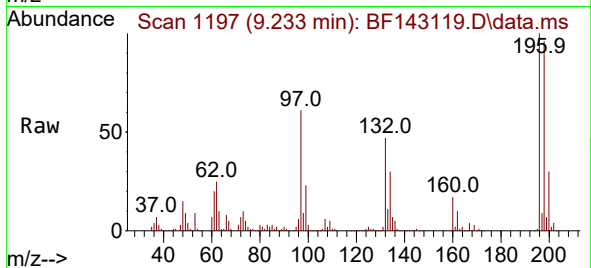
Tgt Ion:196 Resp: 232335

Ion Ratio Lower Upper

196 100

198 96.5 76.9 115.3

200 30.5 23.5 35.3



#44

2,4,5-Trichlorophenol

Concen: 47.747 ng

RT: 9.275 min Scan# 1204

Delta R.T. 0.006 min

Lab File: BF143119.D

Acq: 16 Jul 2025 20:39

Tgt Ion:196 Resp: 247228

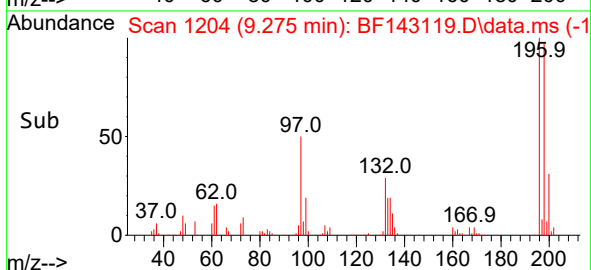
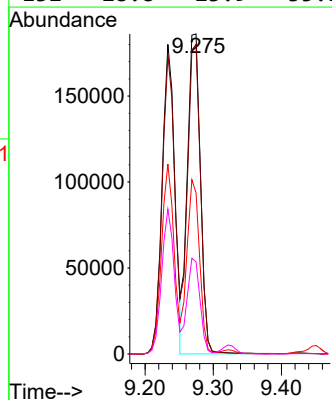
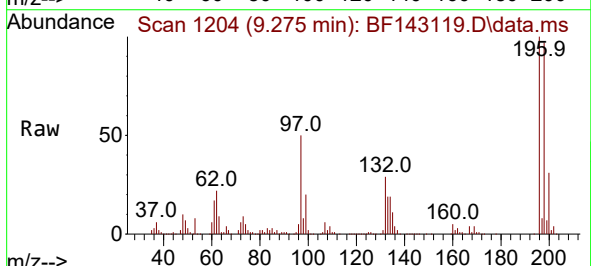
Ion Ratio Lower Upper

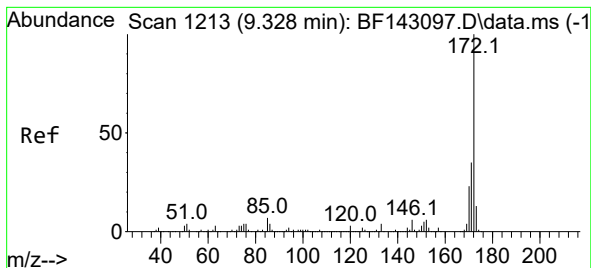
196 100

198 96.8 76.4 114.6

97 50.4 42.4 63.6

132 28.8 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 72.406 ng

RT: 9.322 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143119.D

Acq: 16 Jul 2025 20:39

Instrument :

BNA_F

ClientSampleId :

PB168854BS

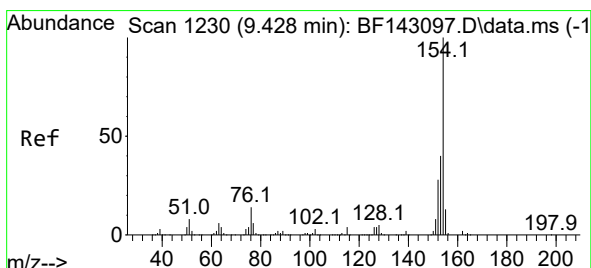
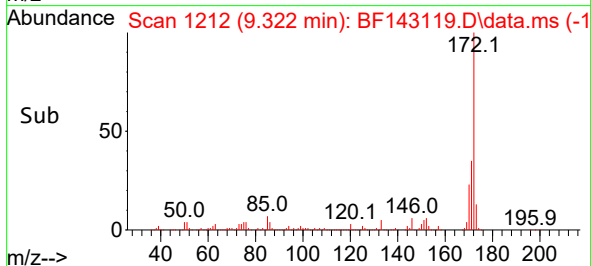
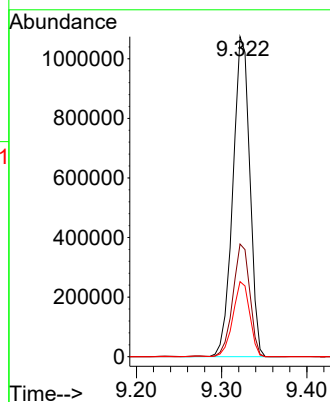
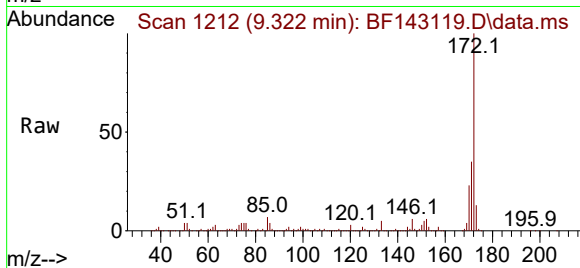
Tgt Ion:172 Resp: 1485452

Ion Ratio Lower Upper

172 100

171 35.2 28.2 42.4

170 23.4 18.6 28.0



#46

1,1'-Biphenyl

Concen: 43.047 ng

RT: 9.427 min Scan# 1230

Delta R.T. -0.000 min

Lab File: BF143119.D

Acq: 16 Jul 2025 20:39

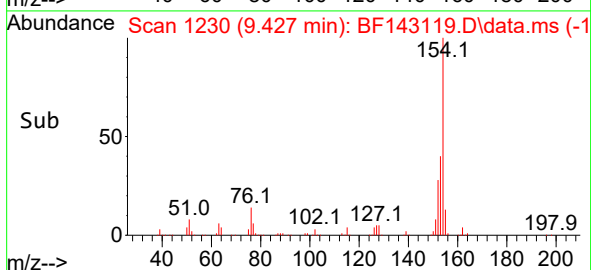
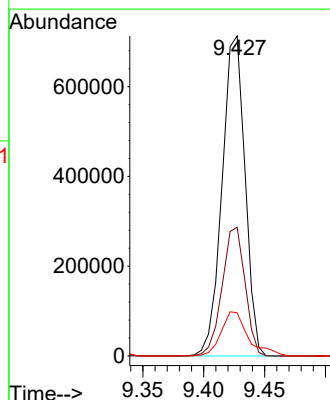
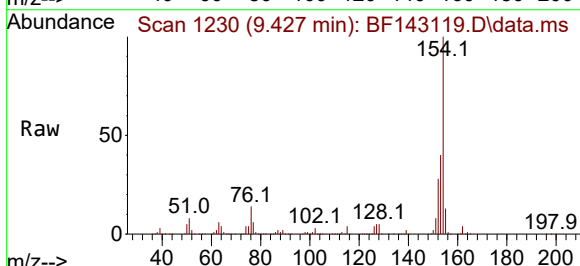
Tgt Ion:154 Resp: 936182

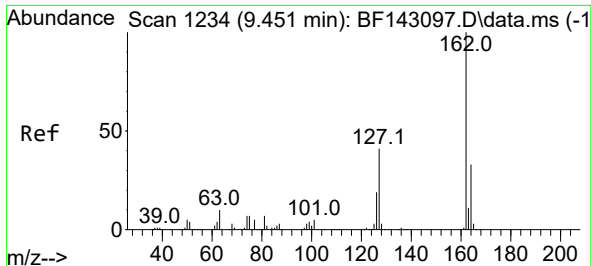
Ion Ratio Lower Upper

154 100

153 40.2 20.1 60.1

76 13.5 0.0 33.7

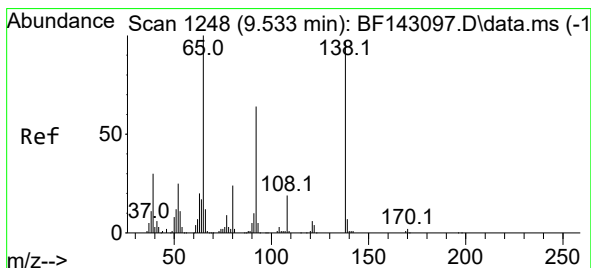
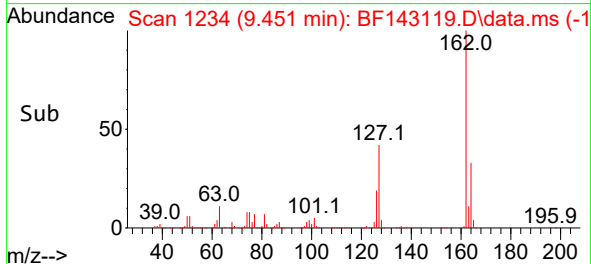
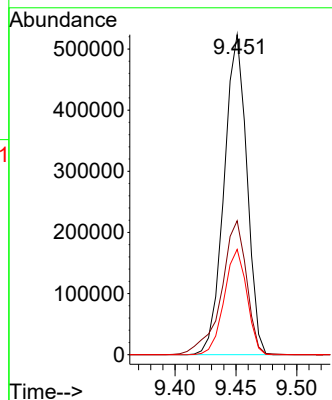
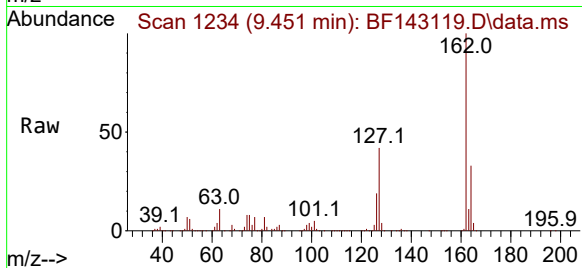




#47
2-Chloronaphthalene
Concen: 42.624 ng
RT: 9.451 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

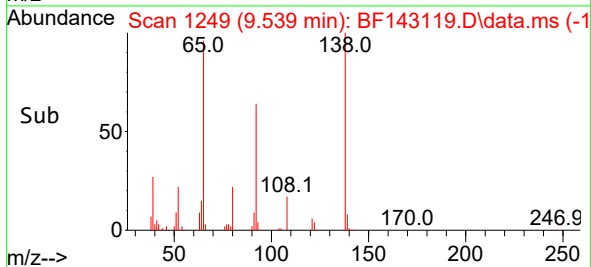
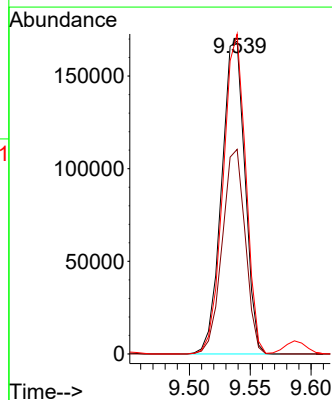
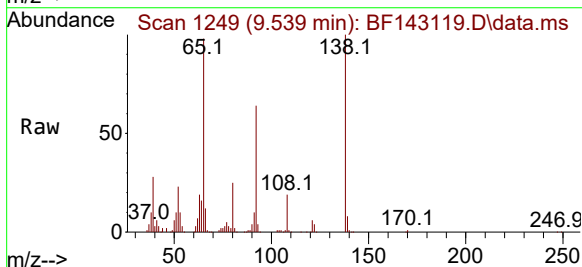
Instrument :
BNA_F
ClientSampleId :
PB168854BS

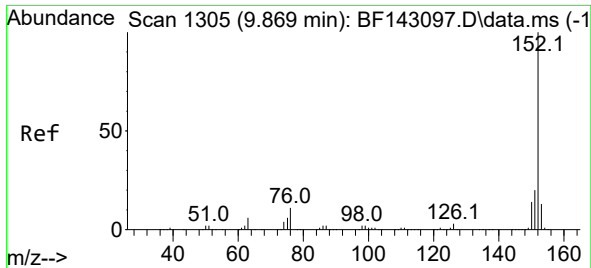
Tgt Ion:162 Resp: 680991
Ion Ratio Lower Upper
162 100
127 41.9 33.0 49.6
164 32.9 26.1 39.1



#48
2-Nitroaniline
Concen: 47.330 ng
RT: 9.539 min Scan# 1249
Delta R.T. 0.006 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

Tgt Ion: 65 Resp: 225544
Ion Ratio Lower Upper
65 100
92 65.4 51.3 76.9
138 102.3 77.8 116.6

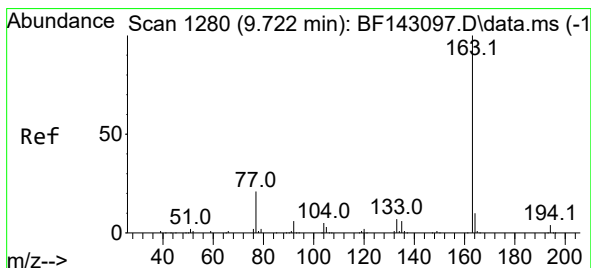
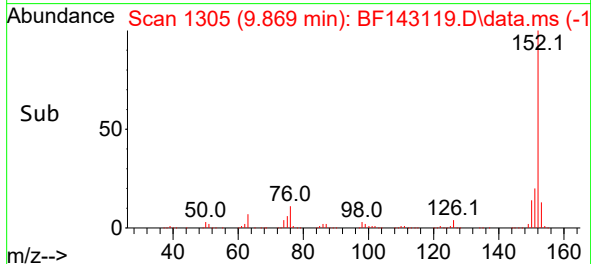
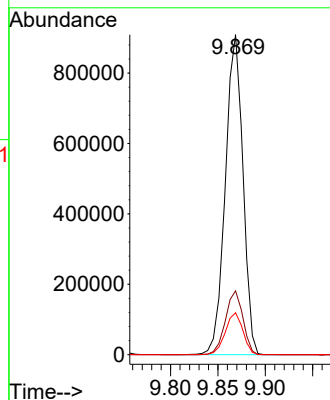
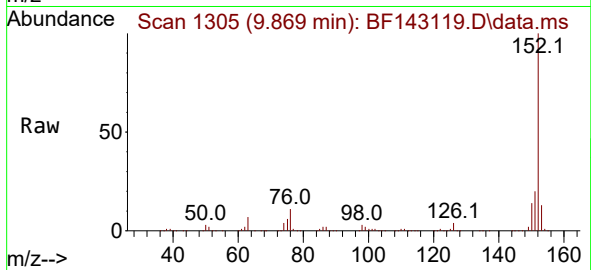




#49
Acenaphthylene
Concen: 44.234 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

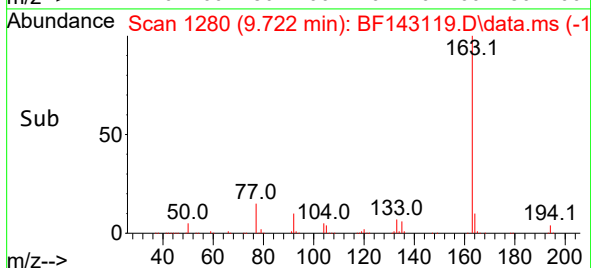
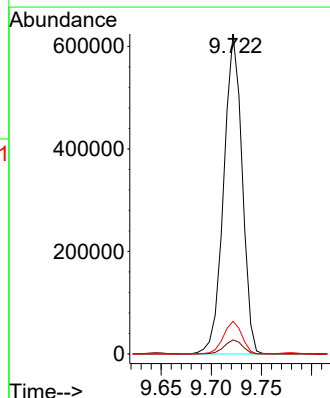
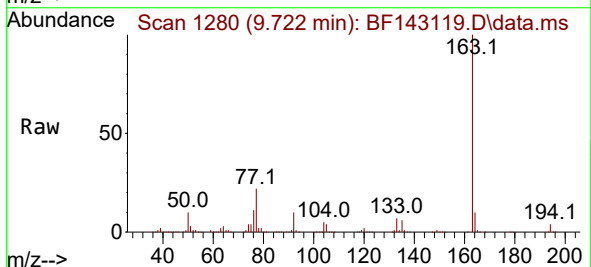
Instrument :
BNA_F
ClientSampleId :
PB168854BS

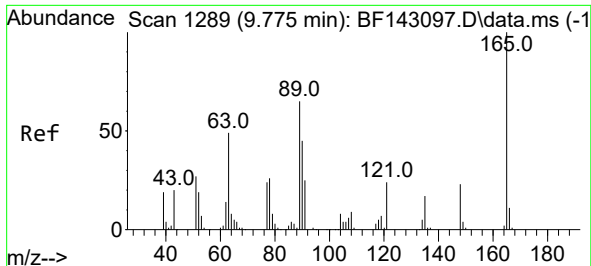
Tgt Ion:152 Resp: 1177621
Ion Ratio Lower Upper
152 100
151 19.9 15.8 23.8
153 13.1 10.4 15.6



#50
Dimethylphthalate
Concen: 46.366 ng
RT: 9.722 min Scan# 1280
Delta R.T. -0.000 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

Tgt Ion:163 Resp: 795480
Ion Ratio Lower Upper
163 100
194 4.4 3.4 5.2
164 10.2 8.2 12.2

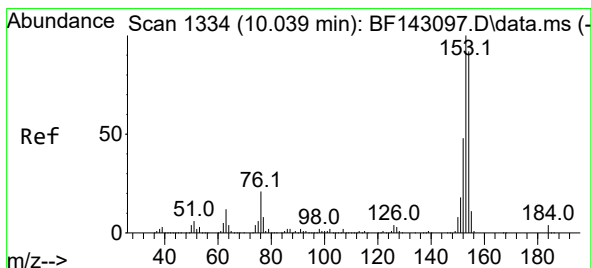
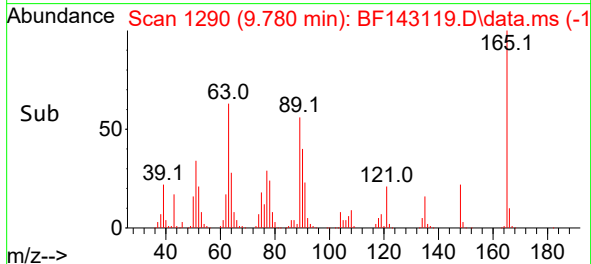
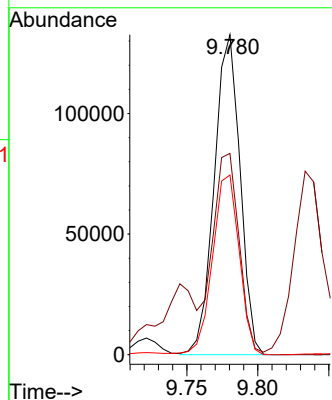
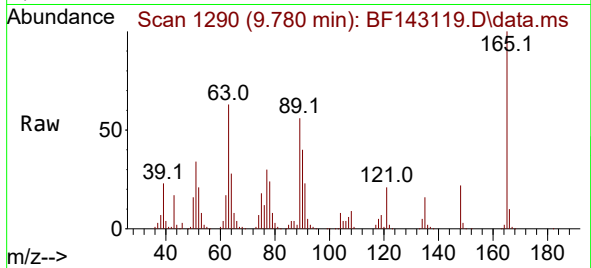




#51
2,6-Dinitrotoluene
Concen: 49.431 ng
RT: 9.780 min Scan# 1289
Delta R.T. 0.005 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

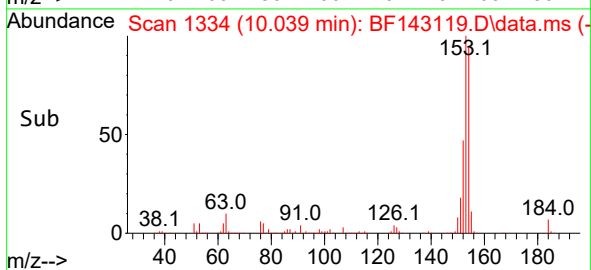
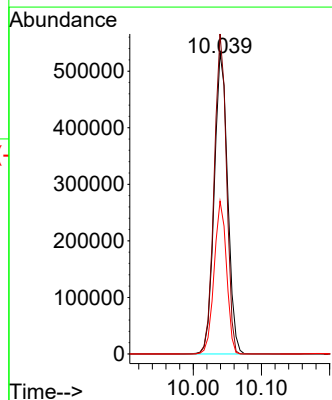
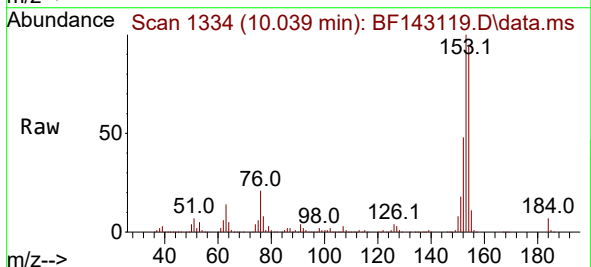
Instrument :
BNA_F
ClientSampleId :
PB168854BS

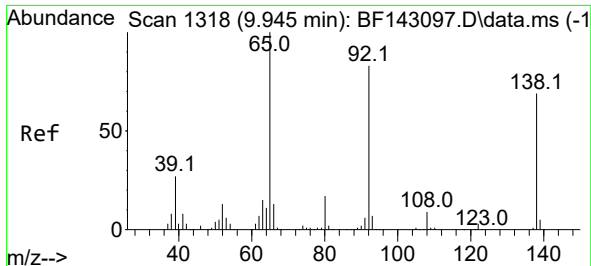
Tgt Ion:165 Resp: 167878
Ion Ratio Lower Upper
165 100
63 62.9 57.4 86.0
89 56.1 51.8 77.8



#52
Acenaphthene
Concen: 46.377 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.000 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

Tgt Ion:154 Resp: 728594
Ion Ratio Lower Upper
154 100
153 106.1 86.7 130.1
152 50.7 41.4 62.2

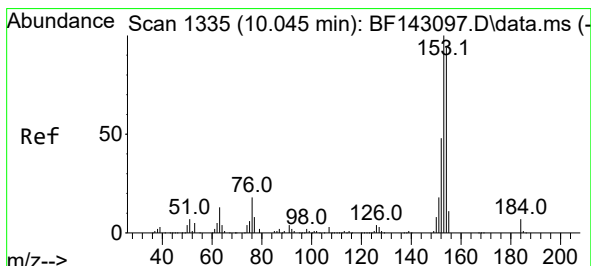
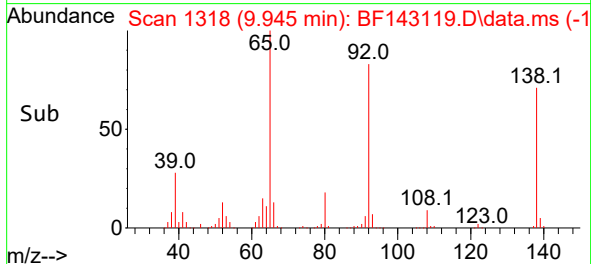
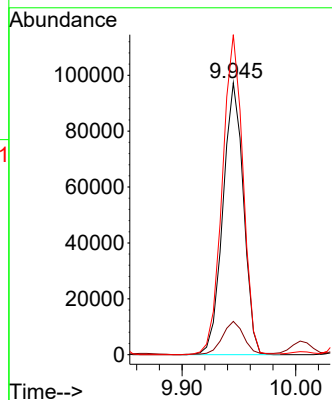
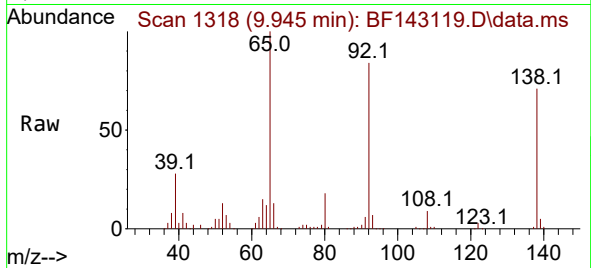




#53
3-Nitroaniline
Concen: 33.024 ng
RT: 9.945 min Scan# 1318
Delta R.T. -0.000 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

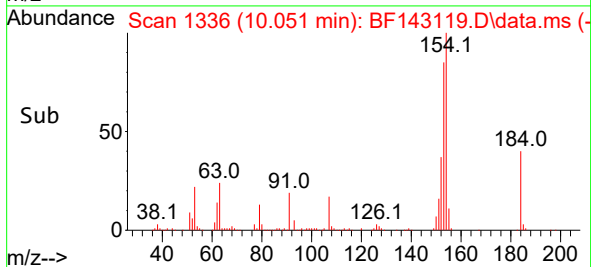
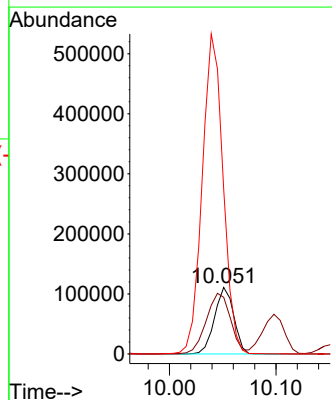
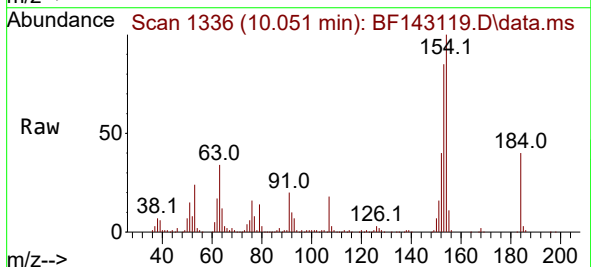
Instrument :
BNA_F
ClientSampleId :
PB168854BS

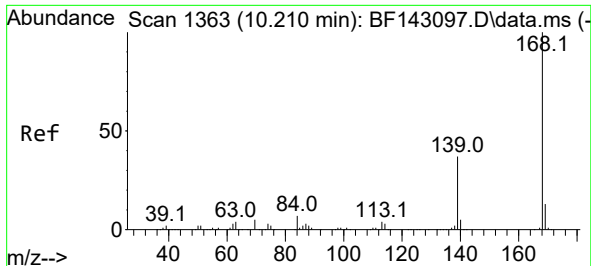
Tgt Ion:138 Resp: 122425
Ion Ratio Lower Upper
138 100
108 12.2 10.1 15.1
92 117.7 96.4 144.6



#54
2,4-Dinitrophenol
Concen: 95.178 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

Tgt Ion:184 Resp: 138899
Ion Ratio Lower Upper
184 100
63 85.3 149.3 223.9#
154 247.3 1048.0 1572.0#

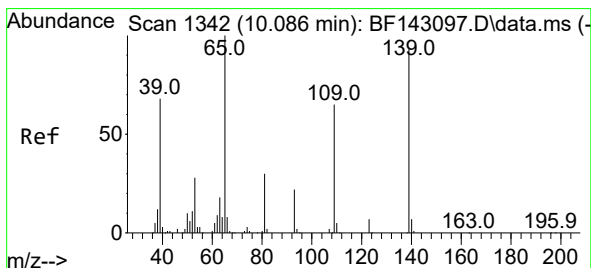
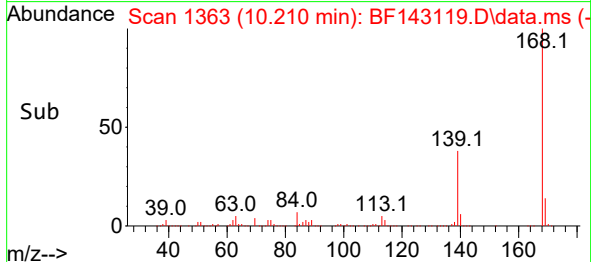
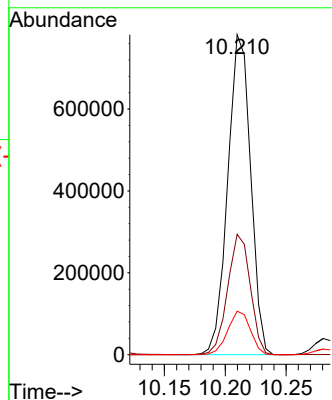
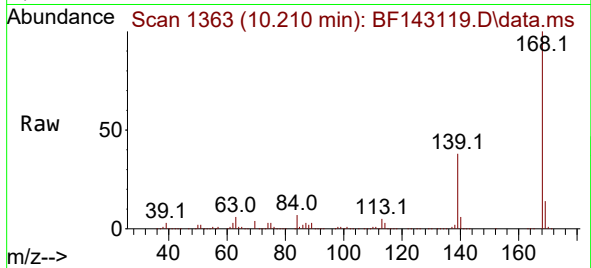




#55
Dibenzenofuran
Concen: 43.605 ng
RT: 10.210 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

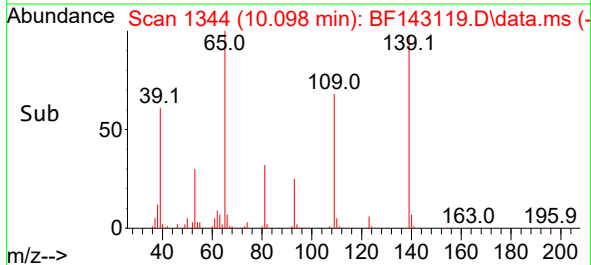
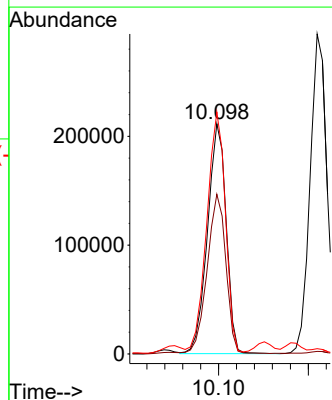
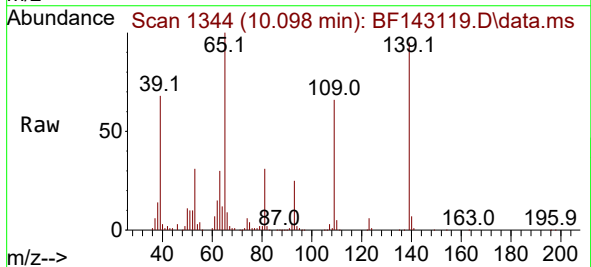
Instrument :
BNA_F
ClientSampleId :
PB168854BS

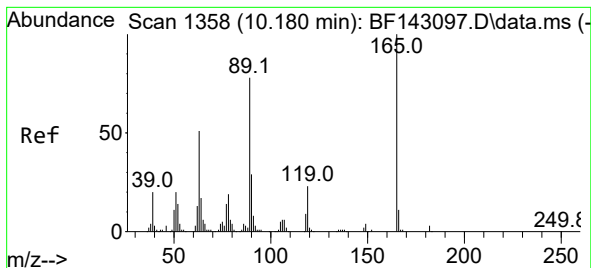
Tgt Ion:168 Resp: 1021074
Ion Ratio Lower Upper
168 100
139 37.6 29.8 44.6
169 13.6 10.8 16.2



#56
4-Nitrophenol
Concen: 103.438 ng
RT: 10.098 min Scan# 1344
Delta R.T. 0.012 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

Tgt Ion:139 Resp: 304758
Ion Ratio Lower Upper
139 100
109 69.4 49.4 89.4
65 105.1 88.2 128.2

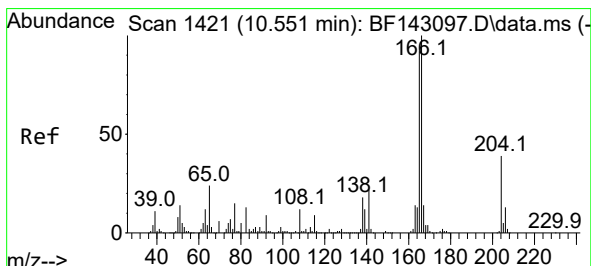
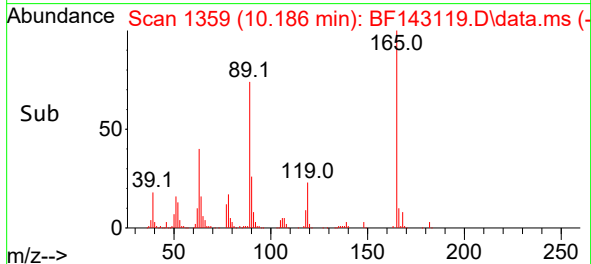
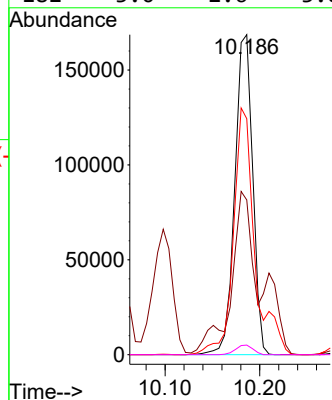
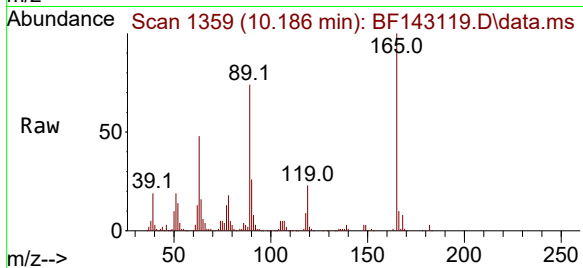




#57
2,4-Dinitrotoluene
Concen: 51.817 ng
RT: 10.186 min Scan# 1358
Delta R.T. 0.006 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

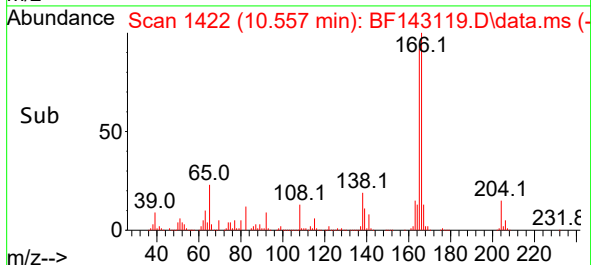
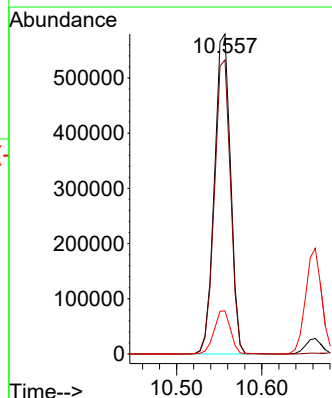
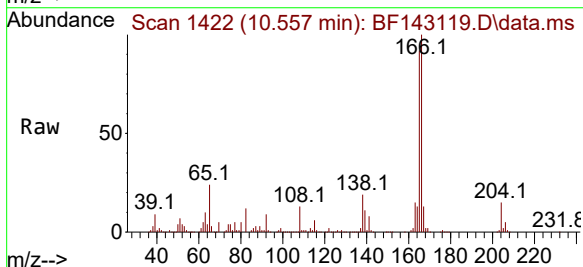
Instrument :
BNA_F
ClientSampleId :
PB168854BS

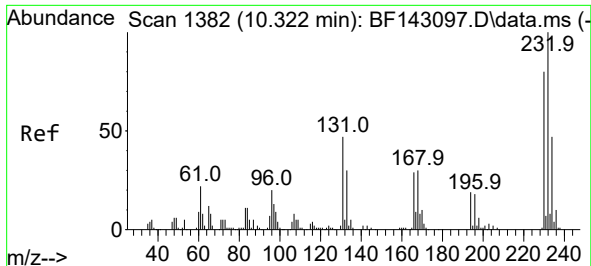
Tgt Ion:165 Resp: 220603
Ion Ratio Lower Upper
165 100
63 48.4 40.6 61.0
89 73.8 62.3 93.5
182 3.0 2.6 3.8



#58
Fluorene
Concen: 43.372 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

Tgt Ion:166 Resp: 761445
Ion Ratio Lower Upper
166 100
165 91.9 73.7 110.5
167 13.5 10.9 16.3





#59

2,3,4,6-Tetrachlorophenol

Concen: 49.983 ng

RT: 10.327 min Scan# 1382

Delta R.T. 0.006 min

Lab File: BF143119.D

Acq: 16 Jul 2025 20:39

Instrument :

BNA_F

ClientSampleId :

PB168854BS

Tgt Ion:232 Resp: 205668

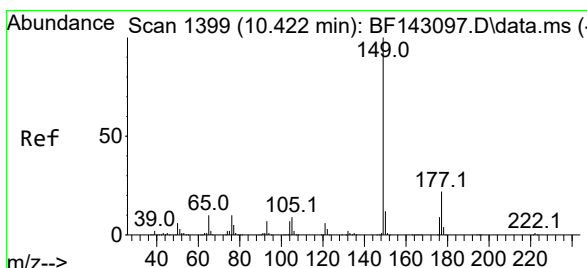
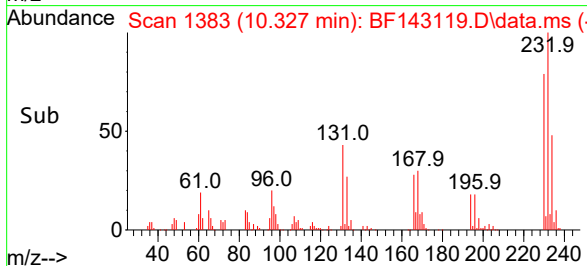
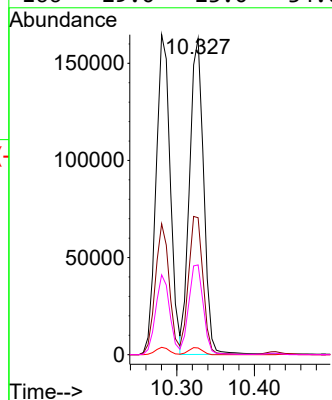
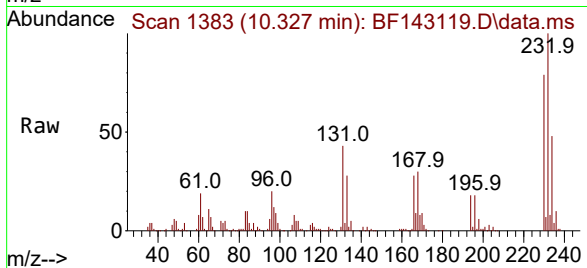
Ion Ratio Lower Upper

232 100

131 45.0 36.9 55.3

130 2.2 1.8 2.8

166 29.0 23.0 34.6



#60

Diethylphthalate

Concen: 47.359 ng

RT: 10.422 min Scan# 1399

Delta R.T. -0.000 min

Lab File: BF143119.D

Acq: 16 Jul 2025 20:39

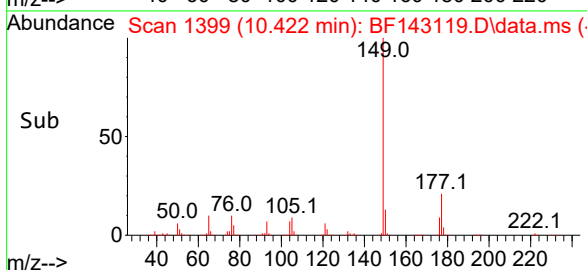
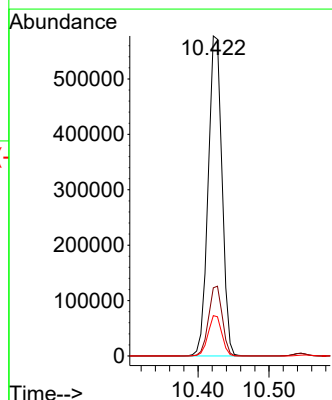
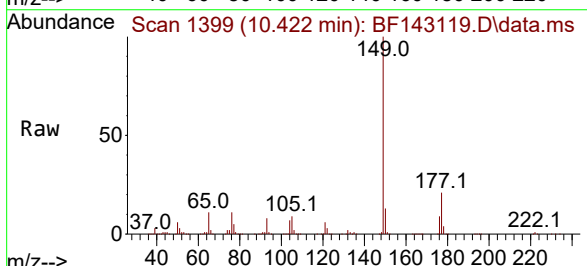
Tgt Ion:149 Resp: 783892

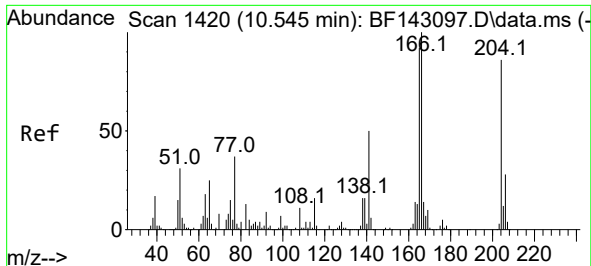
Ion Ratio Lower Upper

149 100

177 21.3 17.3 25.9

150 12.6 9.9 14.9

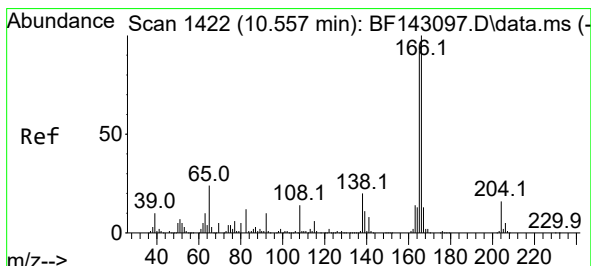
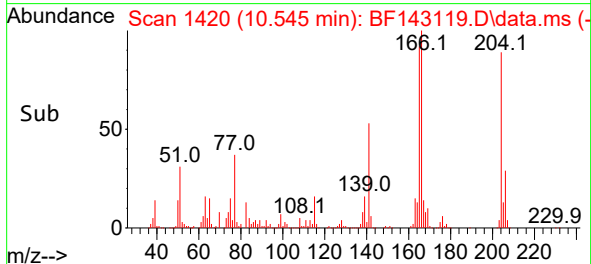
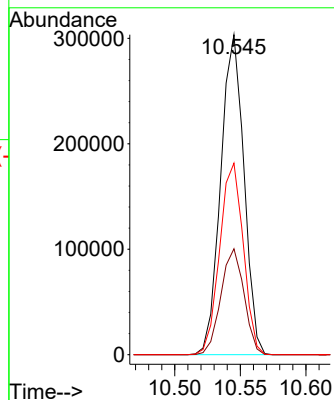
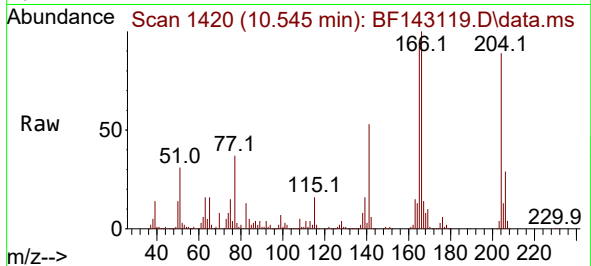




#61
4-Chlorophenyl-phenylether
Concen: 44.374 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.000 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

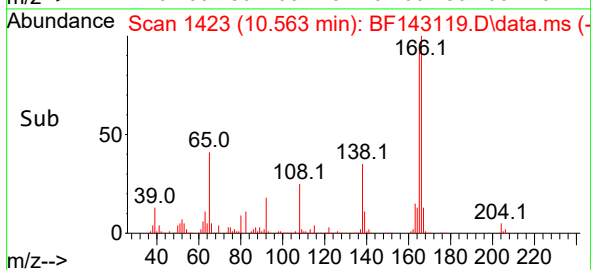
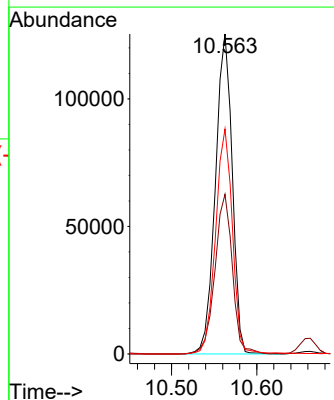
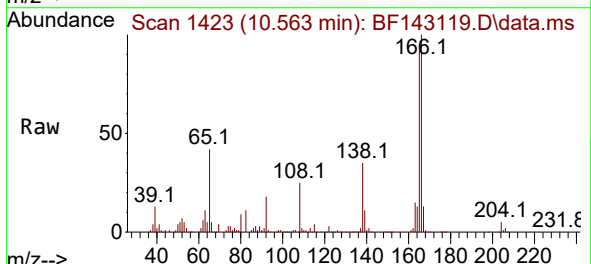
Instrument :
BNA_F
ClientSampleId :
PB168854BS

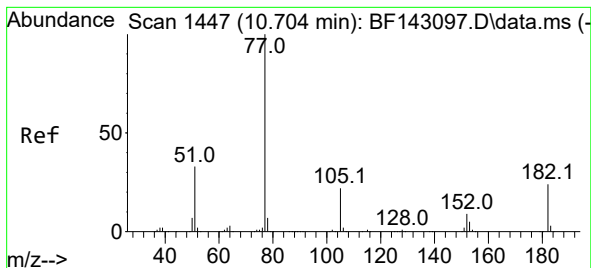
Tgt Ion:204 Resp: 373382
Ion Ratio Lower Upper
204 100
206 33.1 25.8 38.6
141 59.8 46.8 70.2



#62
4-Nitroaniline
Concen: 53.355 ng
RT: 10.563 min Scan# 1423
Delta R.T. 0.006 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

Tgt Ion:138 Resp: 172008
Ion Ratio Lower Upper
138 100
92 49.9 30.4 70.4
108 70.3 49.5 89.5





#63

Azobenzene

Concen: 45.237 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.000 min

Lab File: BF143119.D

Acq: 16 Jul 2025 20:39

Instrument :

BNA_F

ClientSampleId :

PB168854BS

Tgt Ion: 77 Resp: 828090

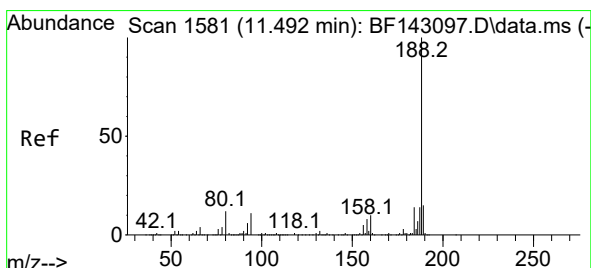
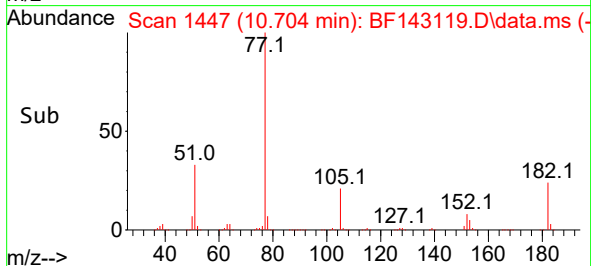
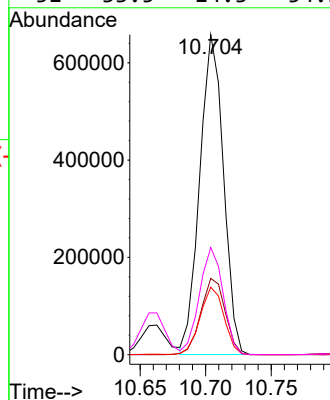
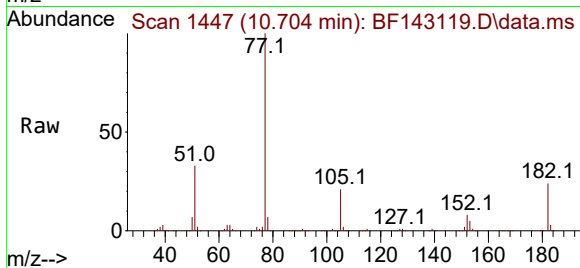
Ion Ratio Lower Upper

77 100

182 23.8 4.0 44.0

105 21.1 1.4 41.4

51 33.5 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: BF143119.D

Acq: 16 Jul 2025 20:39

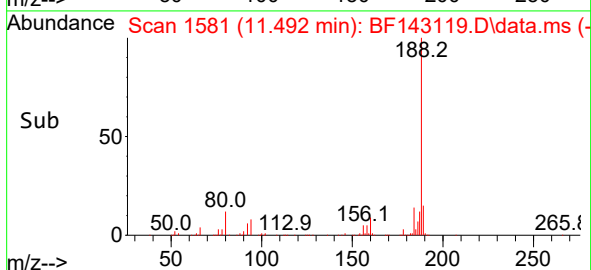
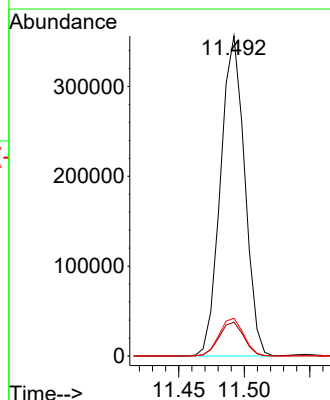
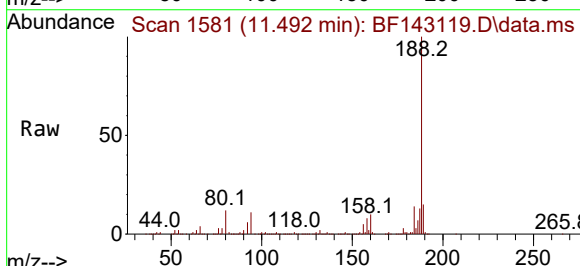
Tgt Ion:188 Resp: 455589

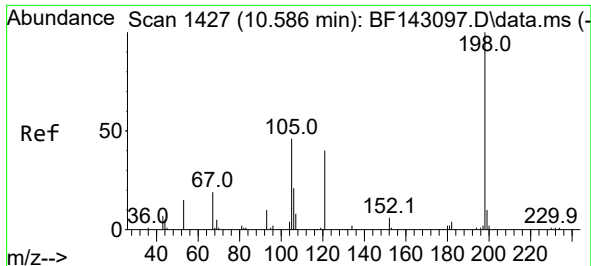
Ion Ratio Lower Upper

188 100

94 10.5 8.6 13.0

80 11.8 9.3 13.9

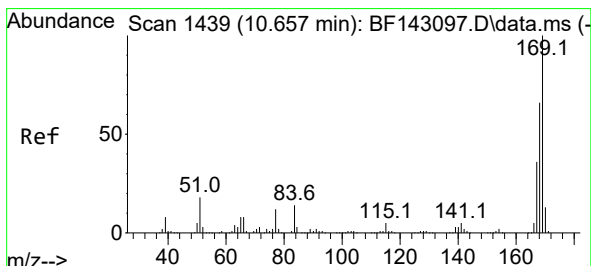
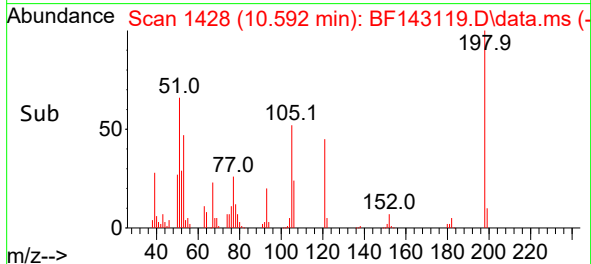
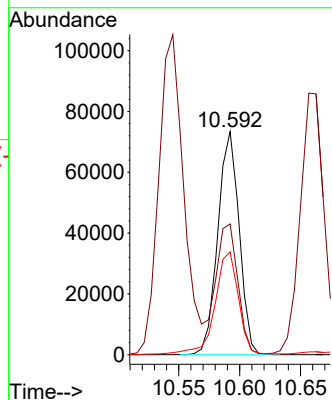
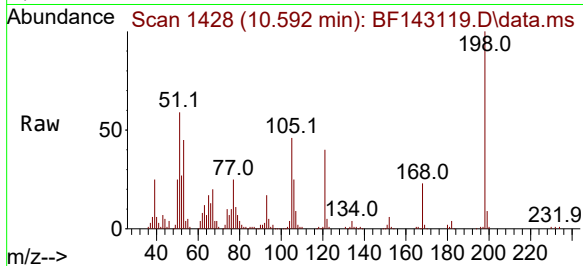




#65
4,6-Dinitro-2-methylphenol
Concen: 51.397 ng
RT: 10.592 min Scan# 1427
Delta R.T. 0.006 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

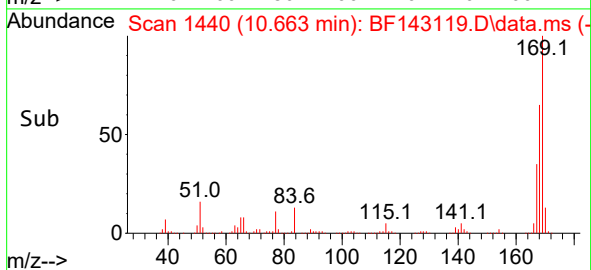
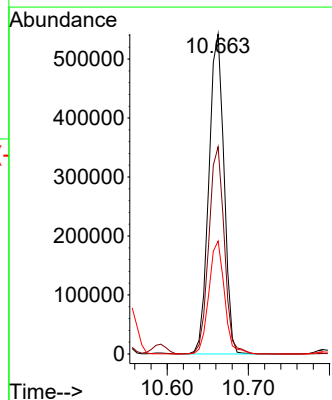
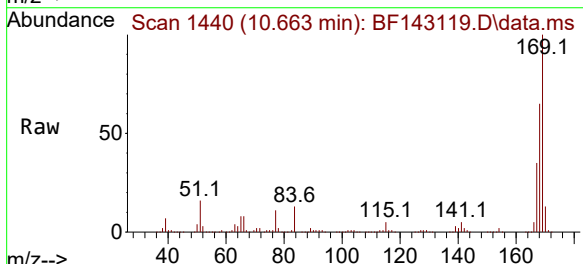
Instrument :
BNA_F
ClientSampleId :
PB168854BS

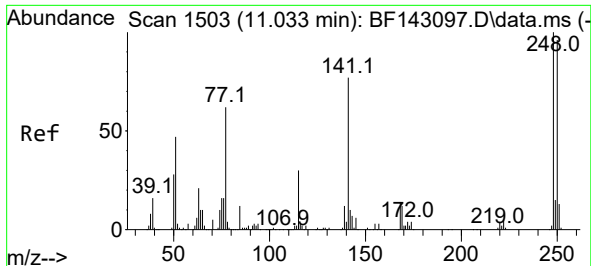
Tgt Ion:198 Resp: 89451
Ion Ratio Lower Upper
198 100
51 58.6 44.6 84.6
105 46.1 29.3 69.3



#66
n-Nitrosodiphenylamine
Concen: 43.865 ng
RT: 10.663 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

Tgt Ion:169 Resp: 701985
Ion Ratio Lower Upper
169 100
168 64.7 53.0 79.6
167 35.3 28.4 42.6

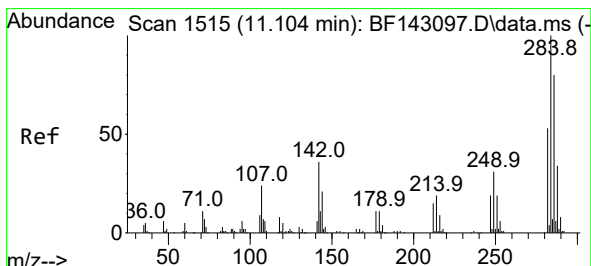
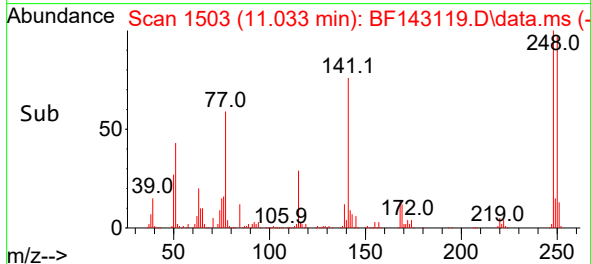
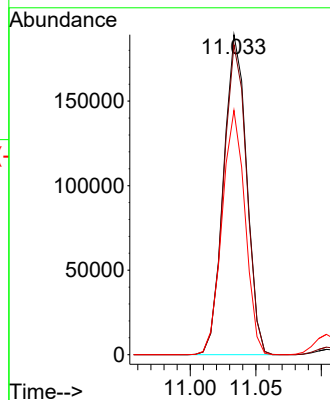
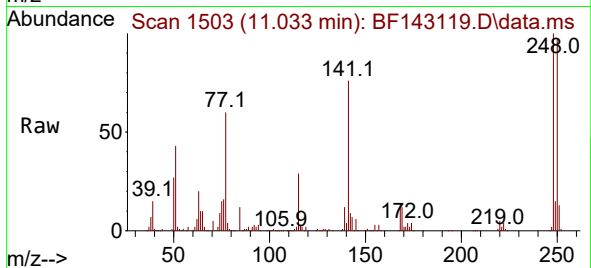




#67
4-Bromophenyl-phenylether
Concen: 44.700 ng
RT: 11.033 min Scan# 1503
Delta R.T. -0.000 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

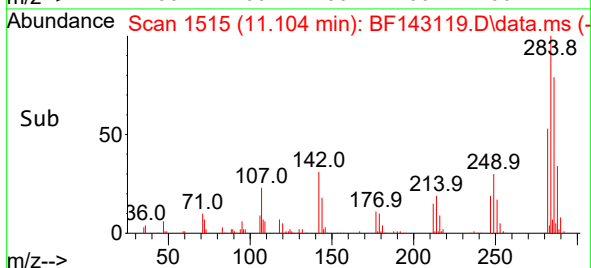
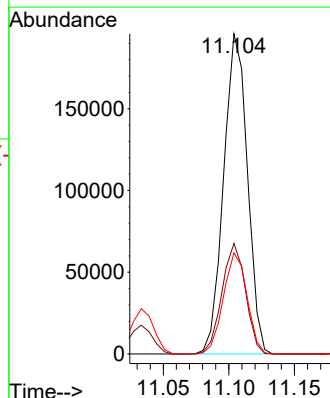
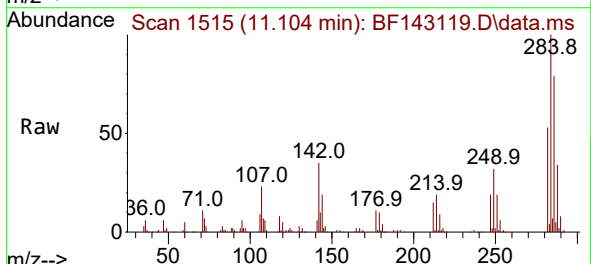
Instrument :
BNA_F
ClientSampleId :
PB168854BS

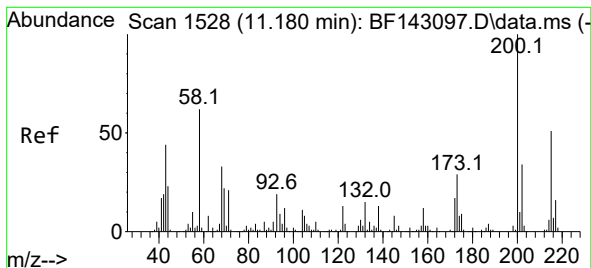
Tgt Ion:248 Resp: 231595
Ion Ratio Lower Upper
248 100
250 96.9 76.7 115.1
141 76.4 61.7 92.5



#68
Hexachlorobenzene
Concen: 44.848 ng
RT: 11.104 min Scan# 1515
Delta R.T. -0.000 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

Tgt Ion:284 Resp: 246543
Ion Ratio Lower Upper
284 100
142 34.6 28.9 43.3
249 31.5 24.6 37.0





#69

Atrazine

Concen: 49.918 ng

RT: 11.186 min Scan# 1528

Delta R.T. 0.006 min

Lab File: BF143119.D

Acq: 16 Jul 2025 20:39

Instrument :

BNA_F

ClientSampleId :

PB168854BS

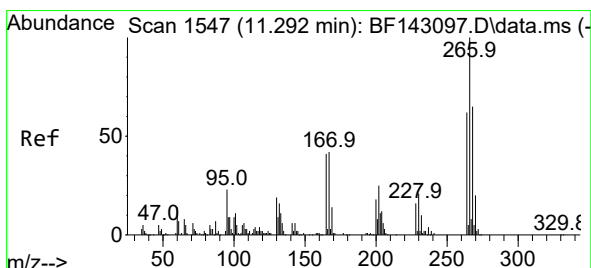
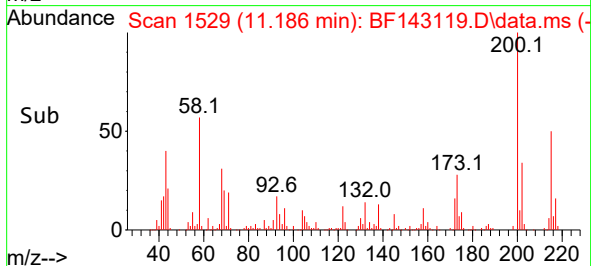
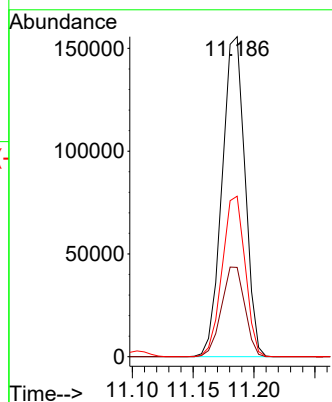
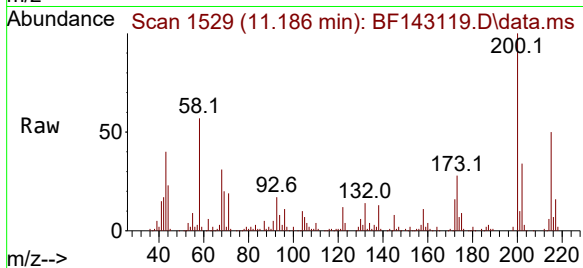
Tgt Ion:200 Resp: 204382

Ion Ratio Lower Upper

200 100

173 27.9 9.1 49.1

215 50.2 31.0 71.0



#70

Pentachlorophenol

Concen: 98.656 ng

RT: 11.292 min Scan# 1547

Delta R.T. -0.000 min

Lab File: BF143119.D

Acq: 16 Jul 2025 20:39

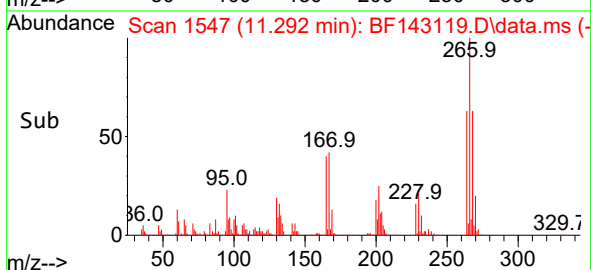
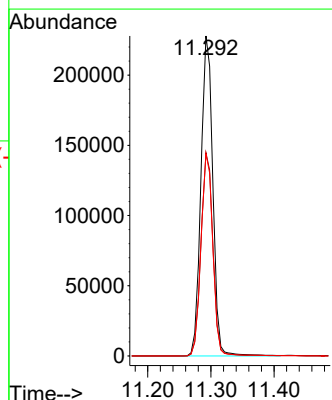
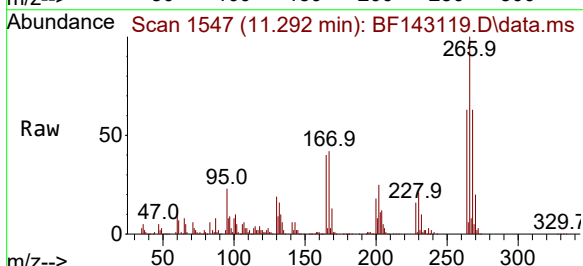
Tgt Ion:266 Resp: 297551

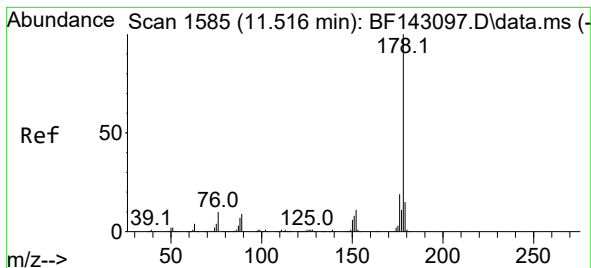
Ion Ratio Lower Upper

266 100

268 63.5 51.8 77.6

264 63.2 49.7 74.5





#71

Phenanthrene

Concen: 43.378 ng

RT: 11.516 min Scan# 1585

Delta R.T. -0.000 min

Lab File: BF143119.D

Acq: 16 Jul 2025 20:39

Instrument :

BNA_F

ClientSampleId :

PB168854BS

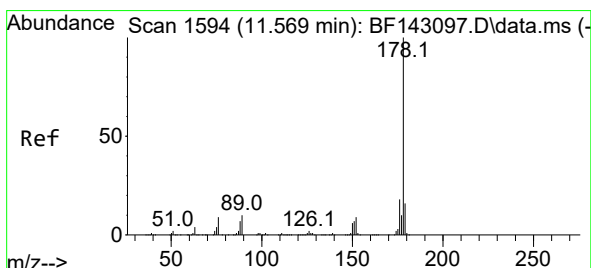
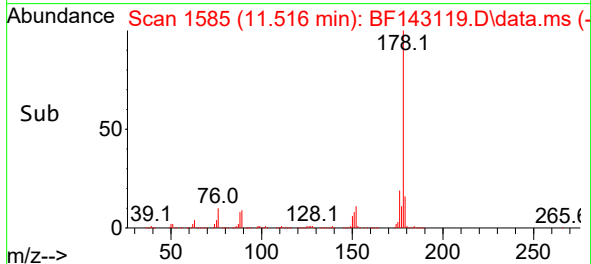
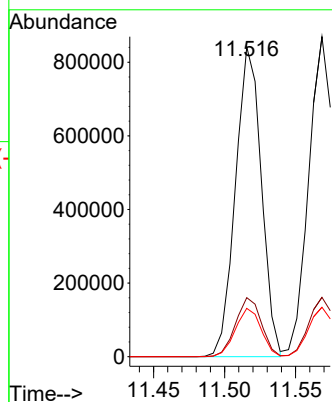
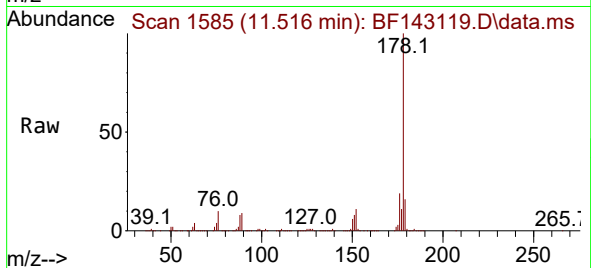
Tgt Ion:178 Resp: 1066550

Ion Ratio Lower Upper

178 100

176 19.1 15.1 22.7

179 15.6 12.2 18.4



#72

Anthracene

Concen: 44.187 ng

RT: 11.569 min Scan# 1594

Delta R.T. -0.000 min

Lab File: BF143119.D

Acq: 16 Jul 2025 20:39

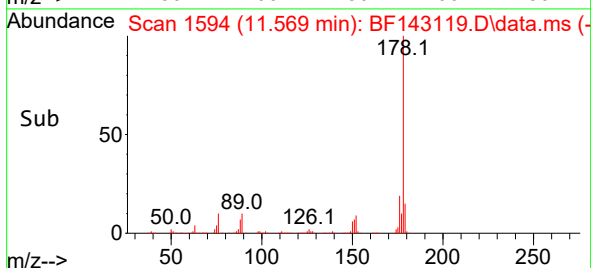
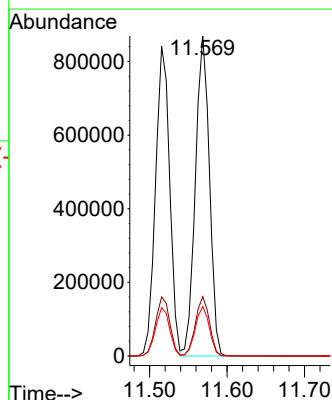
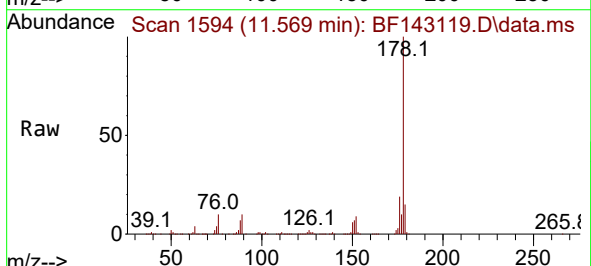
Tgt Ion:178 Resp: 1092533

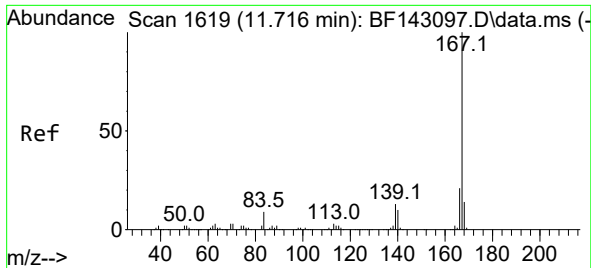
Ion Ratio Lower Upper

178 100

176 18.5 14.7 22.1

179 15.4 12.4 18.6

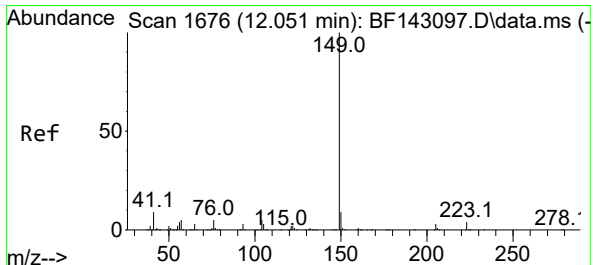
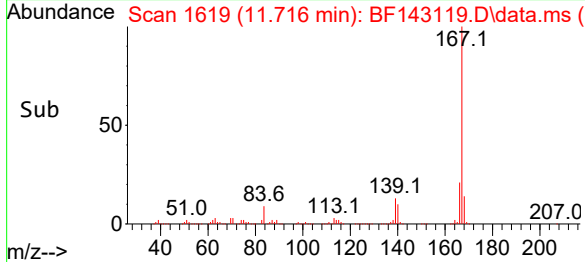
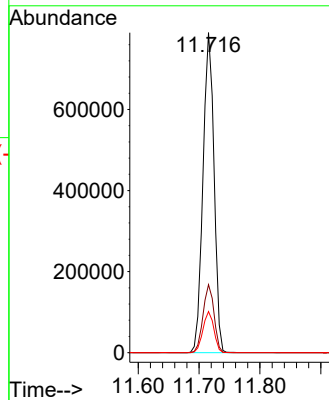
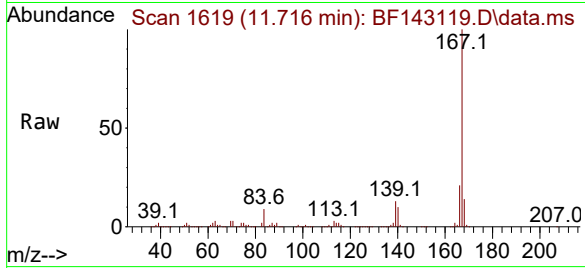




#73
 Carbazole
 Concen: 44.870 ng
 RT: 11.716 min Scan# 1619
 Delta R.T. -0.000 min
 Lab File: BF143119.D
 Acq: 16 Jul 2025 20:39

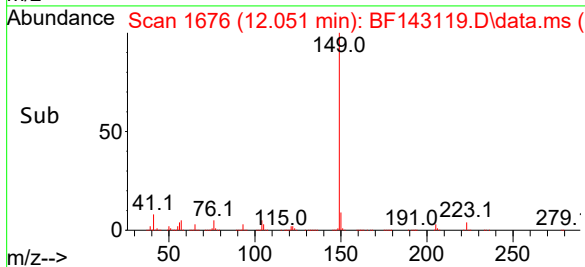
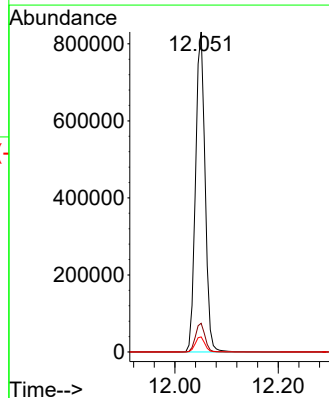
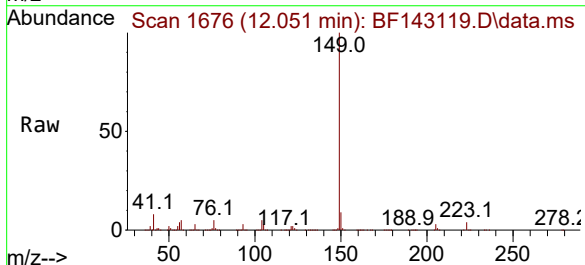
Instrument :
 BNA_F
 ClientSampleId :
 PB168854BS

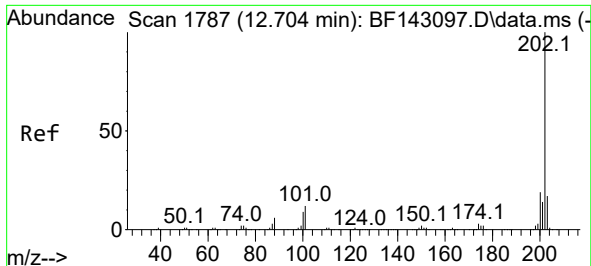
Tgt Ion:167 Resp: 993920
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.0 25.4
 139 12.8 10.2 15.4



#74
 Di-n-butylphthalate
 Concen: 52.154 ng
 RT: 12.051 min Scan# 1676
 Delta R.T. -0.000 min
 Lab File: BF143119.D
 Acq: 16 Jul 2025 20:39

Tgt Ion:149 Resp: 1060422
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.3 10.9
 104 4.7 3.8 5.8

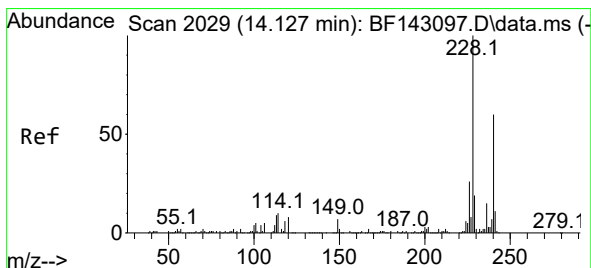
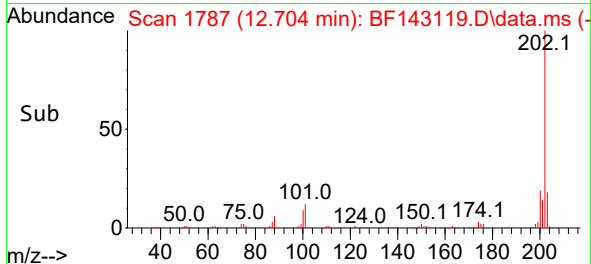
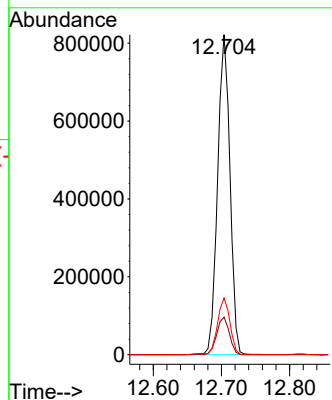
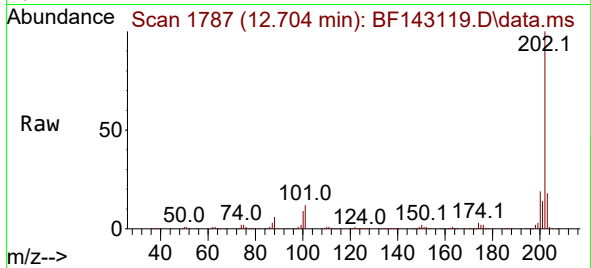




#75
Fluoranthene
Concen: 46.322 ng
RT: 12.704 min Scan# 1787
Delta R.T. -0.000 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

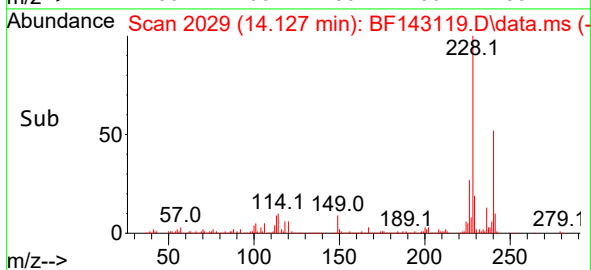
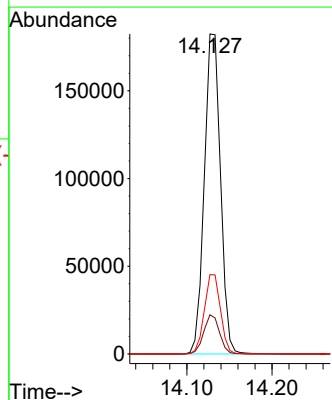
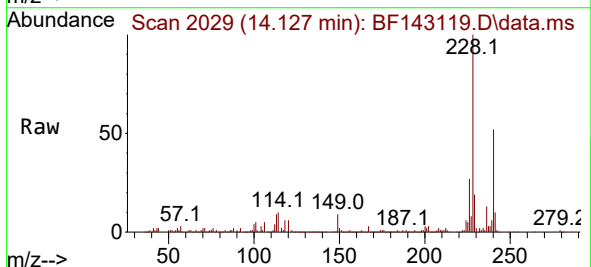
Instrument :
BNA_F
ClientSampleId :
PB168854BS

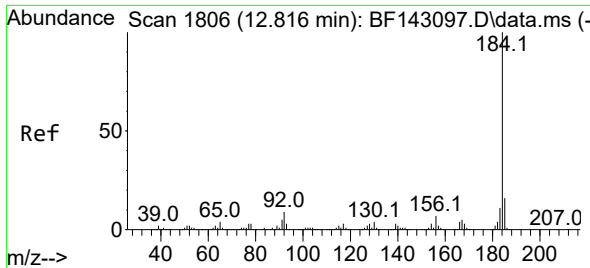
Tgt Ion:202 Resp: 1035606
Ion Ratio Lower Upper
202 100
101 11.8 0.0 32.4
203 17.7 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. -0.000 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

Tgt Ion:240 Resp: 240950
Ion Ratio Lower Upper
240 100
120 12.3 10.0 15.0
236 24.8 20.0 30.0

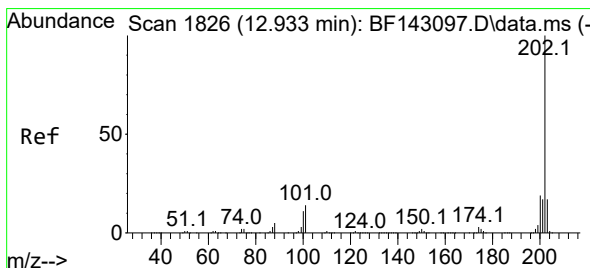
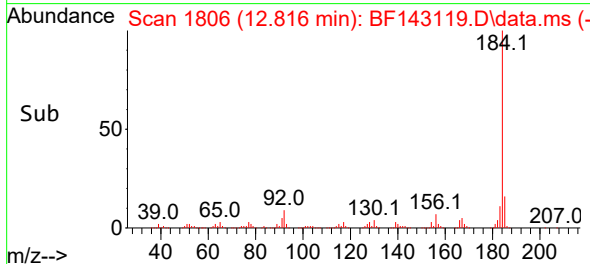
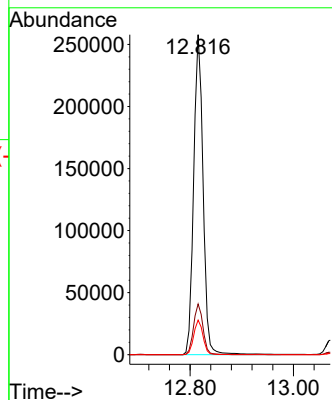
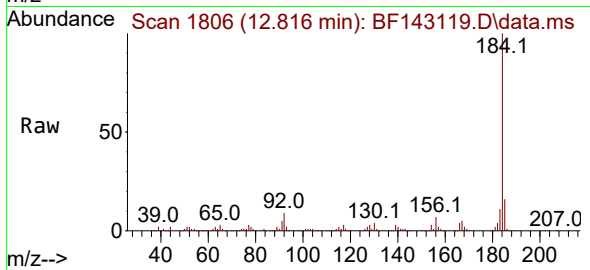




#77
Benzidine
Concen: 39.709 ng
RT: 12.816 min Scan# 1806
Delta R.T. -0.000 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

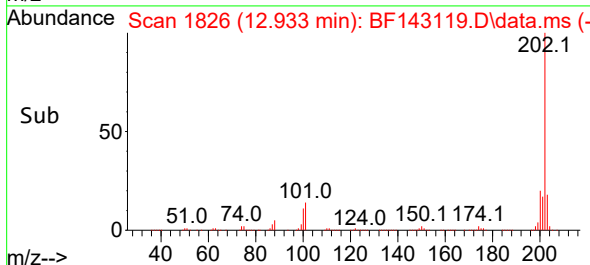
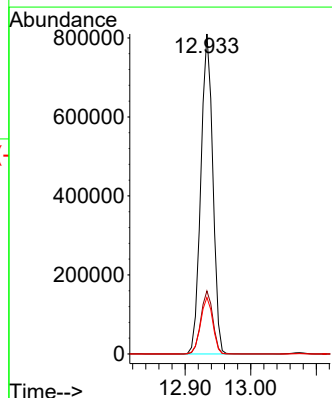
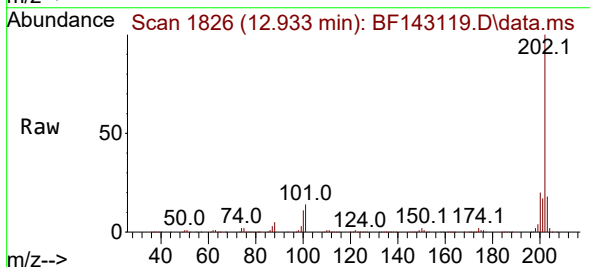
Instrument :
BNA_F
ClientSampleId :
PB168854BS

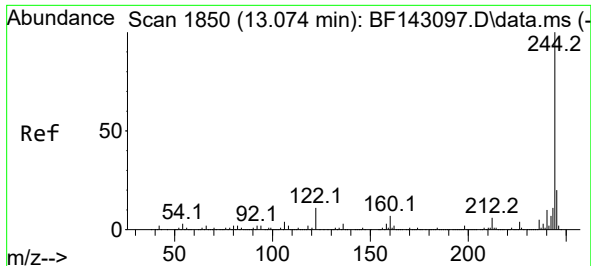
Tgt Ion:184 Resp: 325967
Ion Ratio Lower Upper
184 100
185 15.9 12.4 18.6
183 10.8 8.6 12.8



#78
Pyrene
Concen: 46.068 ng
RT: 12.933 min Scan# 1826
Delta R.T. -0.000 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

Tgt Ion:202 Resp: 1029906
Ion Ratio Lower Upper
202 100
200 19.7 15.5 23.3
203 17.7 14.0 21.0

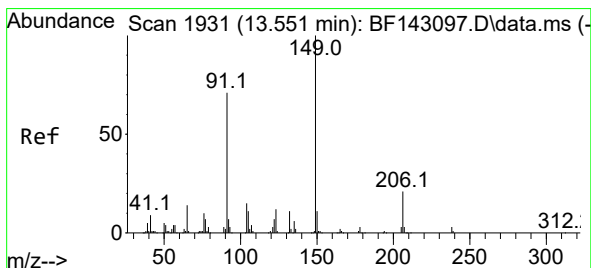
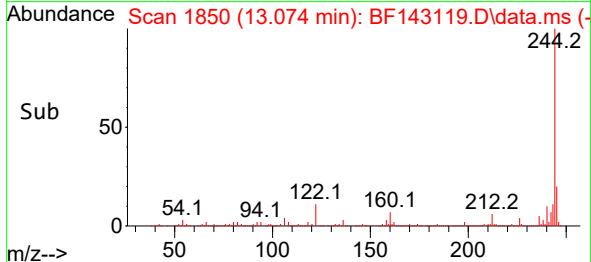
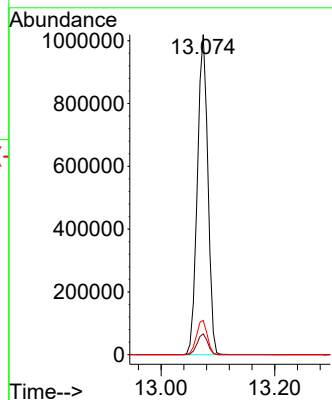
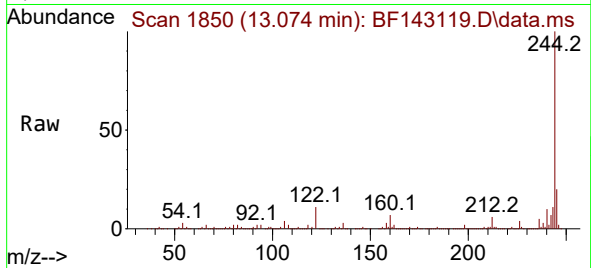




#79
 Terphenyl-d14
 Concen: 79.690 ng
 RT: 13.074 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF143119.D
 Acq: 16 Jul 2025 20:39

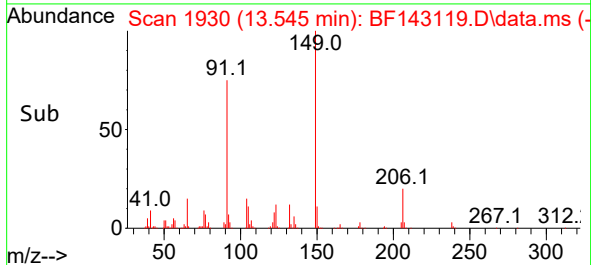
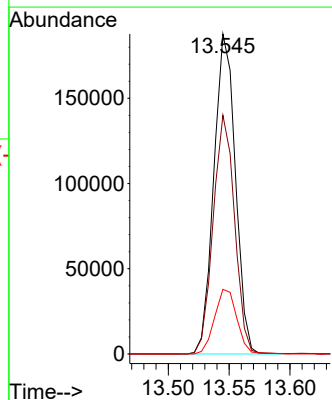
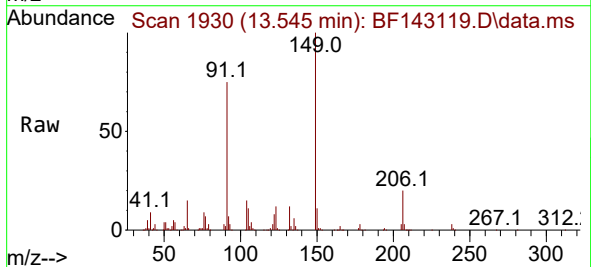
Instrument :
 BNA_F
 ClientSampleId :
 PB168854BS

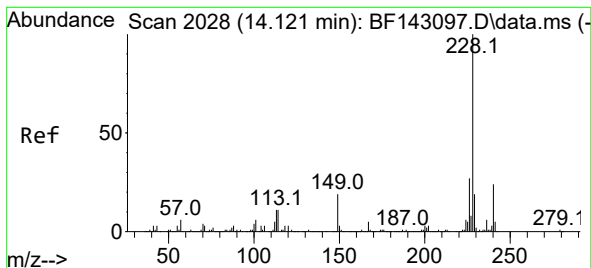
Tgt Ion:244 Resp: 1313530
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.2 7.8
 122 10.7 8.8 13.2



#80
 Butylbenzylphthalate
 Concen: 51.234 ng
 RT: 13.545 min Scan# 1930
 Delta R.T. -0.006 min
 Lab File: BF143119.D
 Acq: 16 Jul 2025 20:39

Tgt Ion:149 Resp: 231230
 Ion Ratio Lower Upper
 149 100
 91 74.6 57.0 85.4
 206 20.2 17.2 25.8





#81

Benzo(a)anthracene

Concen: 46.787 ng

RT: 14.121 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF143119.D

Acq: 16 Jul 2025 20:39

Instrument :

BNA_F

ClientSampleId :

PB168854BS

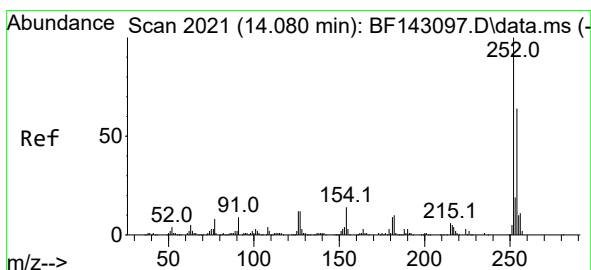
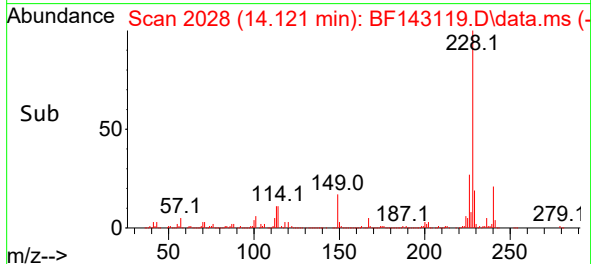
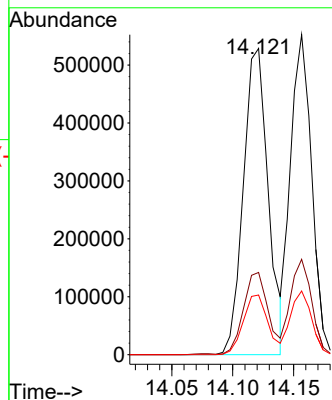
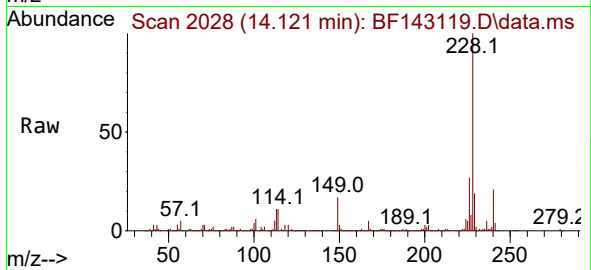
Tgt Ion:228 Resp: 751216

Ion Ratio Lower Upper

228 100

226 26.9 21.3 31.9

229 19.5 15.5 23.3



#82

3,3'-Dichlorobenzidine

Concen: 23.421 ng

RT: 14.074 min Scan# 2020

Delta R.T. -0.006 min

Lab File: BF143119.D

Acq: 16 Jul 2025 20:39

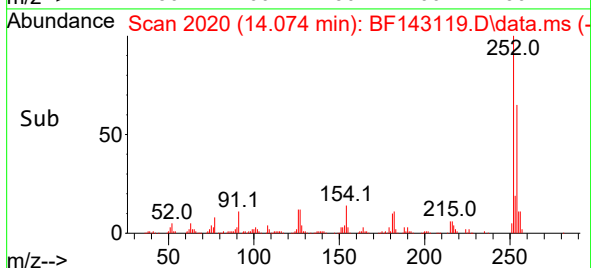
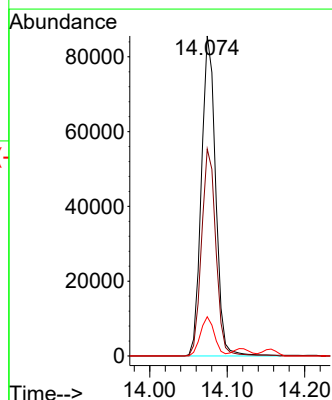
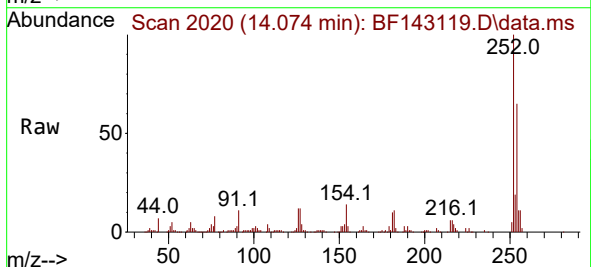
Tgt Ion:252 Resp: 109202

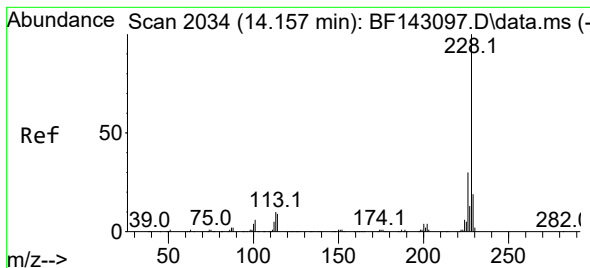
Ion Ratio Lower Upper

252 100

254 64.7 51.5 77.3

126 12.2 9.4 14.0





#83

Chrysene

Concen: 45.243 ng

RT: 14.157 min Scan# 2034

Delta R.T. -0.000 min

Lab File: BF143119.D

Acq: 16 Jul 2025 20:39

Instrument :

BNA_F

ClientSampleId :

PB168854BS

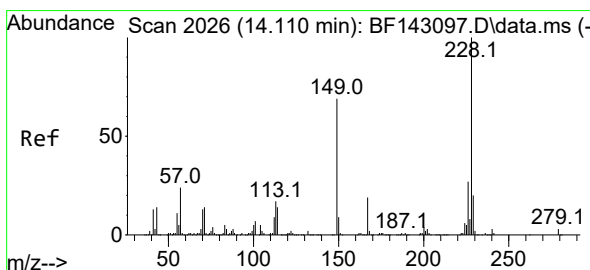
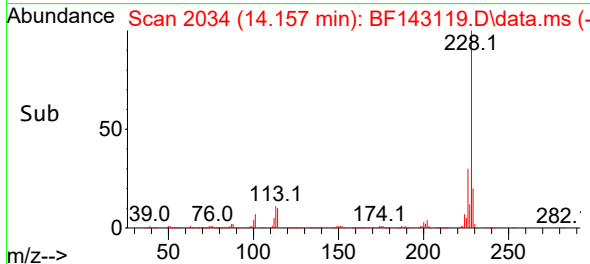
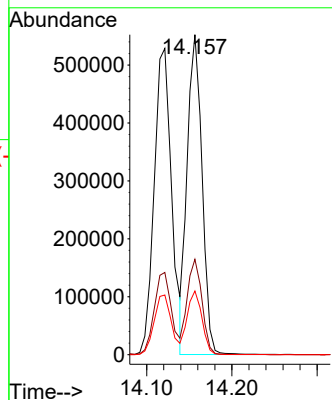
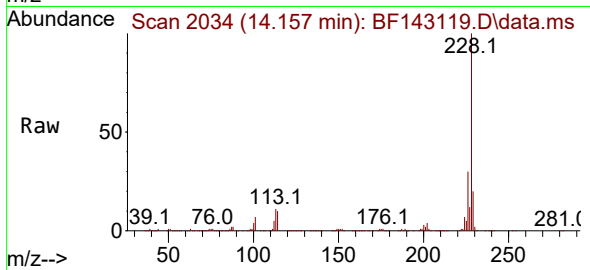
Tgt Ion:228 Resp: 669052

Ion Ratio Lower Upper

228 100

226 29.8 23.4 35.2

229 19.9 15.3 22.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 46.806 ng

RT: 14.110 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BF143119.D

Acq: 16 Jul 2025 20:39

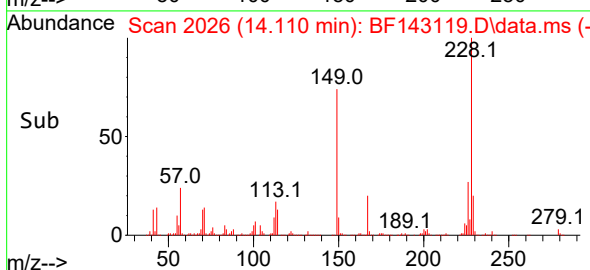
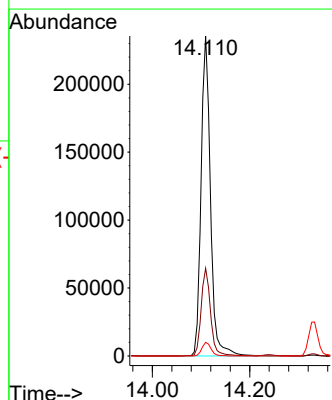
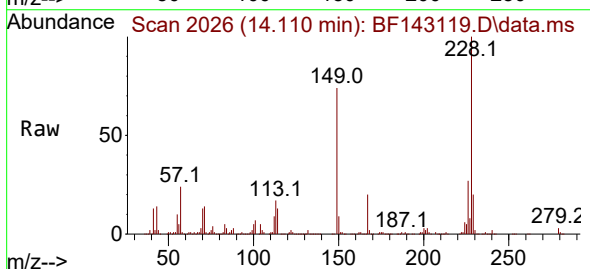
Tgt Ion:149 Resp: 316448

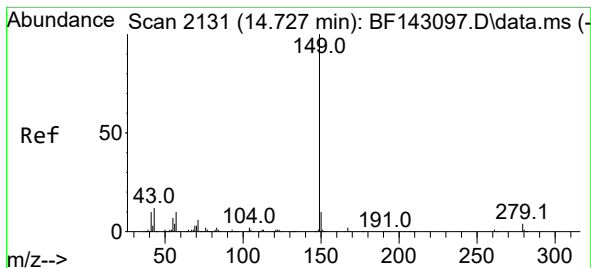
Ion Ratio Lower Upper

149 100

167 27.4 21.9 32.9

279 4.2 3.4 5.0

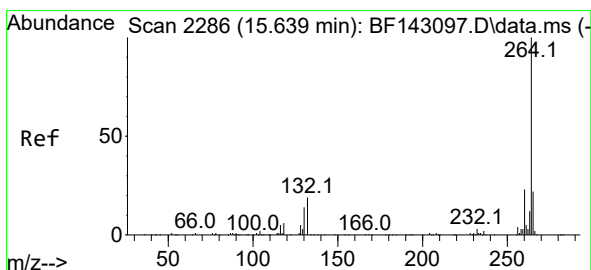
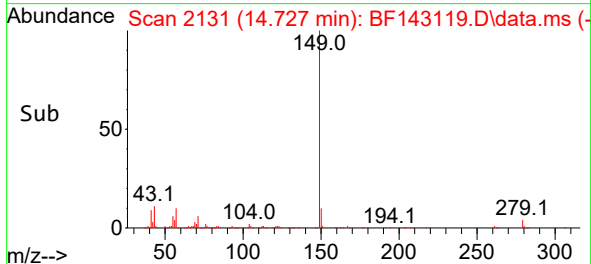
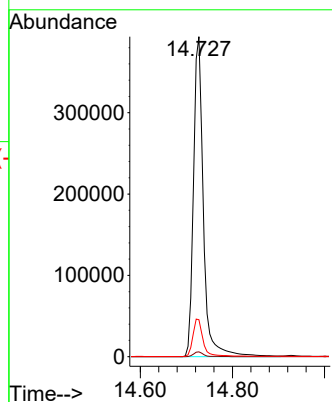
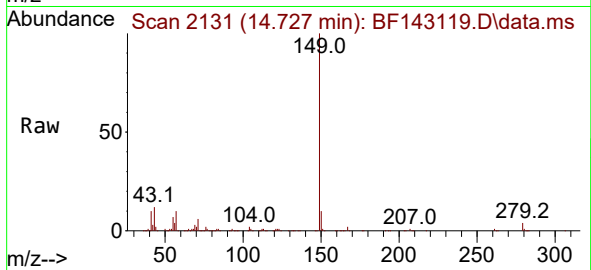




#85
Di-n-octyl phthalate
Concen: 46.090 ng
RT: 14.727 min Scan# 2131
Delta R.T. 0.000 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

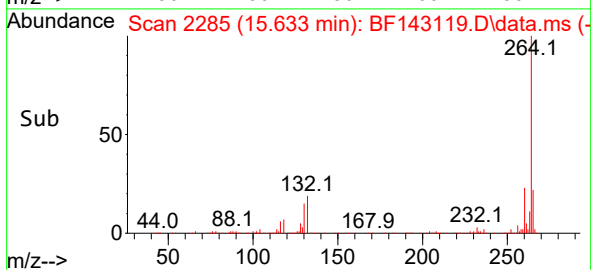
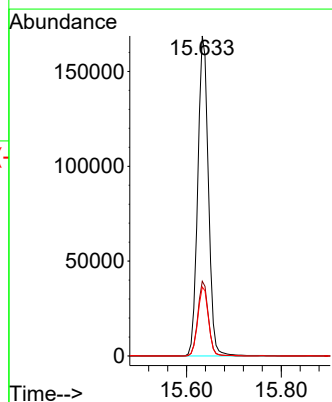
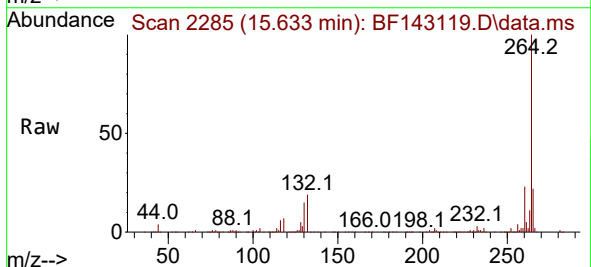
Instrument :
BNA_F
ClientSampleId :
PB168854BS

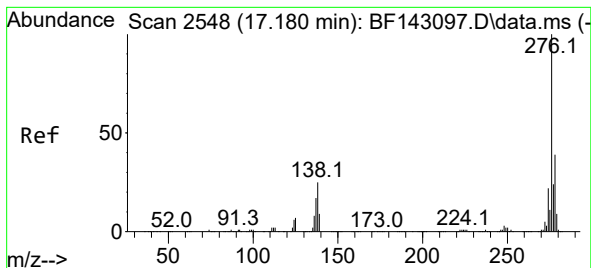
Tgt Ion:149 Resp: 586744
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 12.3 10.6 16.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

Tgt Ion:264 Resp: 262866
Ion Ratio Lower Upper
264 100
260 23.4 18.5 27.7
265 21.6 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 46.360 ng

RT: 17.180 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF143119.D

Acq: 16 Jul 2025 20:39

Instrument :

BNA_F

ClientSampleId :

PB168854BS

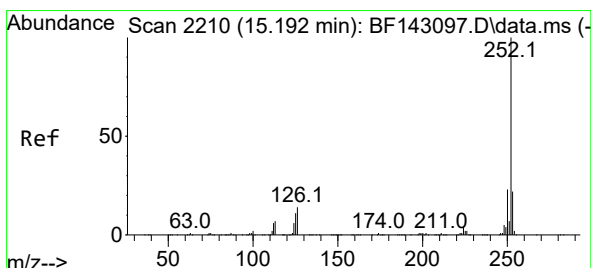
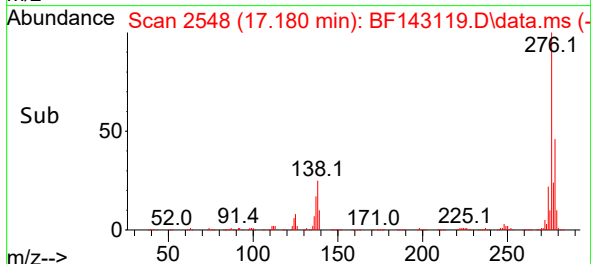
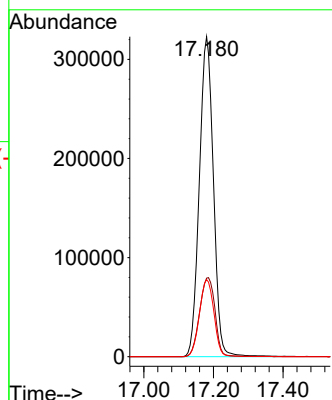
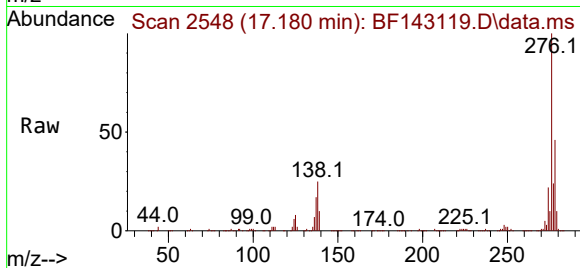
Tgt Ion:276 Resp: 906388

Ion Ratio Lower Upper

276 100

138 27.1 22.6 34.0

277 24.9 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 46.186 ng

RT: 15.192 min Scan# 2210

Delta R.T. -0.000 min

Lab File: BF143119.D

Acq: 16 Jul 2025 20:39

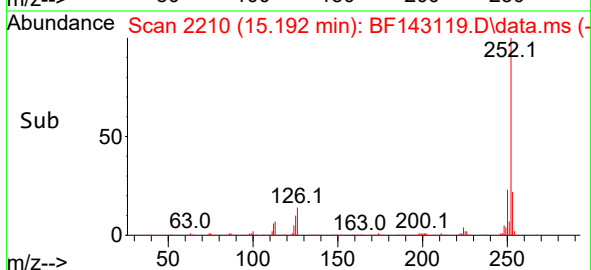
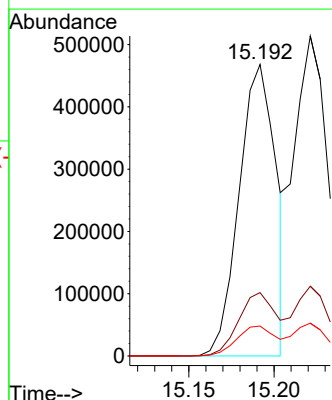
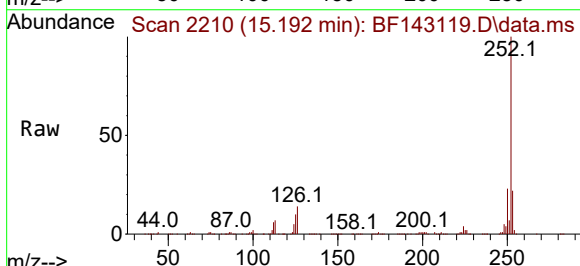
Tgt Ion:252 Resp: 700298

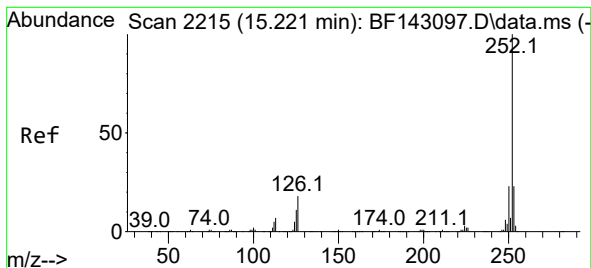
Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

125 10.2 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 50.075 ng

RT: 15.221 min Scan# 2215

Delta R.T. -0.000 min

Lab File: BF143119.D

Acq: 16 Jul 2025 20:39

Instrument :

BNA_F

ClientSampleId :

PB168854BS

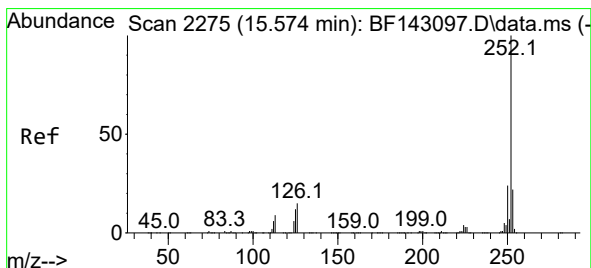
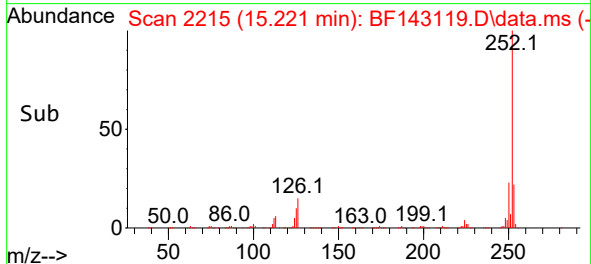
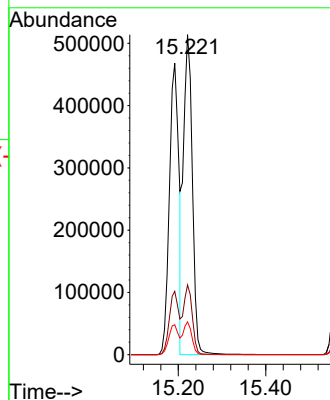
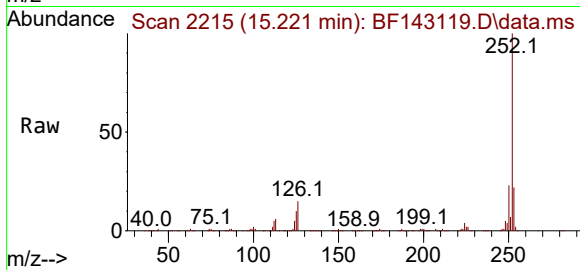
Tgt Ion:252 Resp: 724358

Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.2

125 10.2 8.5 12.7



#90

Benzo(a)pyrene

Concen: 49.251 ng

RT: 15.574 min Scan# 2275

Delta R.T. -0.000 min

Lab File: BF143119.D

Acq: 16 Jul 2025 20:39

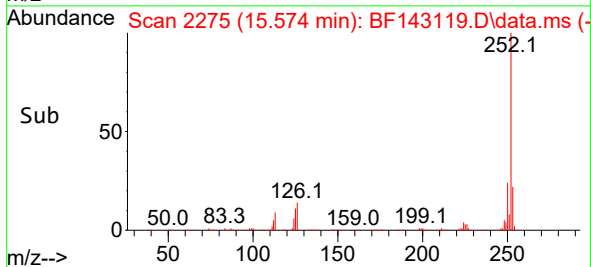
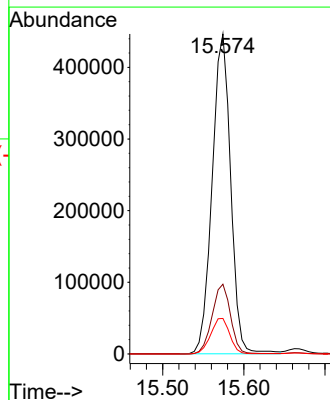
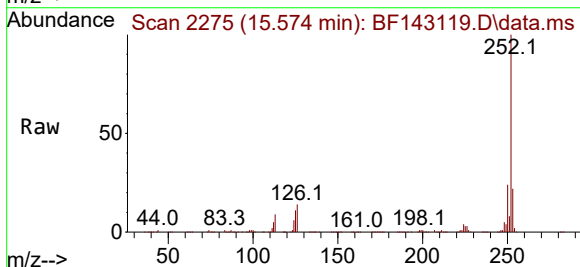
Tgt Ion:252 Resp: 706283

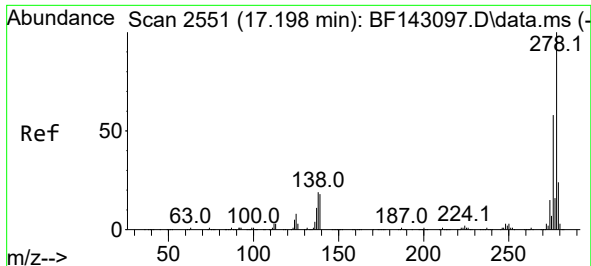
Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 11.1 9.4 14.0

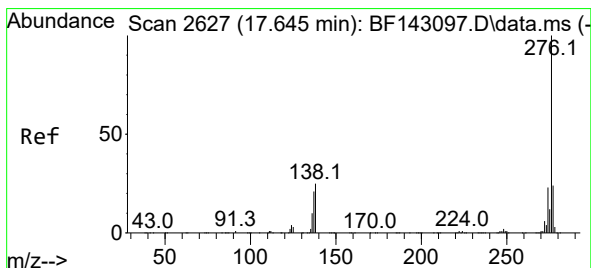
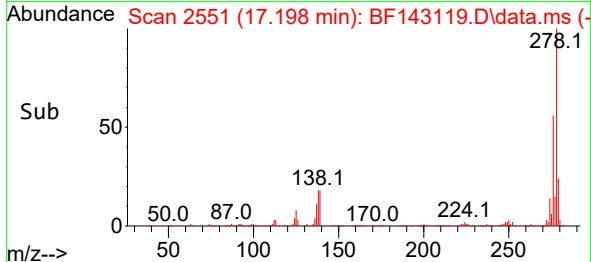
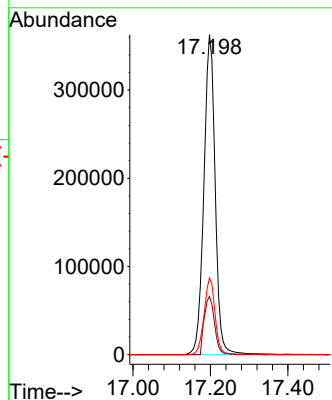
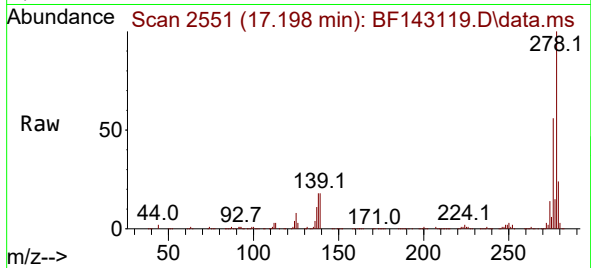




#91
Dibenzo(a,h)anthracene
Concen: 46.108 ng
RT: 17.198 min Scan# 2551
Delta R.T. -0.000 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

Instrument :
BNA_F
ClientSampleId :
PB168854BS

Tgt Ion:278 Resp: 736917
Ion Ratio Lower Upper
278 100
139 18.2 14.6 22.0
279 24.0 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 45.936 ng
RT: 17.645 min Scan# 2627
Delta R.T. -0.000 min
Lab File: BF143119.D
Acq: 16 Jul 2025 20:39

Tgt Ion:276 Resp: 748506
Ion Ratio Lower Upper
276 100
277 23.3 19.2 28.8
138 24.0 19.8 29.6

