

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032525\
 Data File : BF142078.D
 Acq On : 25 Mar 2025 15:07
 Operator : RC/JU
 Sample : PB167254BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB167254BS

Quant Time: Mar 25 15:36:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	140188	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	560217	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	321531	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	576228	20.000	ng	0.00
76) Chrysene-d12	14.033	240	331995	20.000	ng	0.00
86) Perylene-d12	15.504	264	292647	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1139907	135.708	ng	0.00
7) Phenol-d6	6.504	99	1418143	132.602	ng	0.00
23) Nitrobenzene-d5	7.440	82	942813	94.709	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	681106	166.977	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	2019216	95.507	ng	-0.01
79) Terphenyl-d14	12.980	244	2633359	117.270	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.728	88	144815	41.146	ng	97
3) Pyridine	3.493	79	335219	38.829	ng	95
4) n-Nitrosodimethylamine	3.434	42	165202	40.143	ng	95
6) Aniline	6.534	93	395413	37.479	ng	93
8) 2-Chlorophenol	6.657	128	424524	45.570	ng	98
9) Benzaldehyde	6.422	77	102267	17.098	ng	100
10) Phenol	6.516	94	491842	43.715	ng	95
11) bis(2-Chloroethyl)ether	6.610	93	360718	42.697	ng	98
12) 1,3-Dichlorobenzene	6.816	146	447551	44.499	ng	98
13) 1,4-Dichlorobenzene	6.893	146	450214	44.242	ng	98
14) 1,2-Dichlorobenzene	7.045	146	436189	45.508	ng	98
15) Benzyl Alcohol	7.016	79	364176	42.120	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.145	45	398307	39.052	ng	95
17) 2-Methylphenol	7.122	107	338893	45.752	ng	99
18) Hexachloroethane	7.387	117	166914	43.741	ng	95
19) n-Nitroso-di-n-propyla...	7.287	70	278124	40.472	ng	98
20) 3+4-Methylphenols	7.275	107	422589	44.541	ng	# 86
22) Acetophenone	7.281	105	624598	46.557	ng	97
24) Nitrobenzene	7.457	77	427778	43.226	ng	98
25) Isophorone	7.692	82	782075	44.444	ng	99
26) 2-Nitrophenol	7.769	139	232098	47.785	ng	99
27) 2,4-Dimethylphenol	7.804	122	366432	54.789	ng	98
28) bis(2-Chloroethoxy)met...	7.904	93	465873	42.211	ng	99
29) 2,4-Dichlorophenol	8.010	162	379264	45.687	ng	99
30) 1,2,4-Trichlorobenzene	8.092	180	403139	44.067	ng	99
31) Naphthalene	8.175	128	1230997	42.776	ng	99
32) Benzoic acid	7.928	122	292285	49.717	ng	98
33) 4-Chloroaniline	8.222	127	204286	20.109	ng	97
34) Hexachlorobutadiene	8.292	225	272869	45.736	ng	98
35) Caprolactam	8.592	113	85420	33.751	ng	90
36) 4-Chloro-3-methylphenol	8.704	107	418800	45.225	ng	99
37) 2-Methylnaphthalene	8.869	142	806451	41.926	ng	99
38) 1-Methylnaphthalene	8.969	142	793632	42.756	ng	99
40) 1,2,4,5-Tetrachloroben...	9.034	216	484815	49.525	ng	98
41) Hexachlorocyclopentadiene	9.022	237	573181	149.611	ng	99
43) 2,4,6-Trichlorophenol	9.145	196	303620	47.458	ng	99

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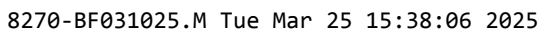
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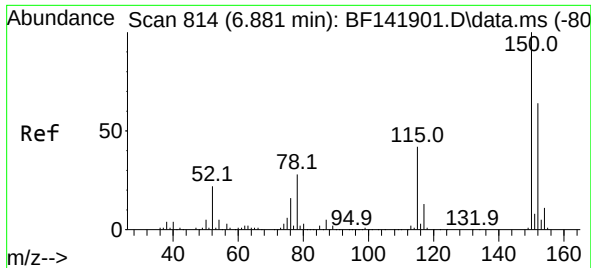
Quant Time: Mar 25 15:36:36 2025
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	306584	47.315	ng	100
46) 1,1'-Biphenyl	9.334	154	1171276	47.943	ng	99
47) 2-Chloronaphthalene	9.357	162	824543	45.282	ng	99
48) 2-Nitroaniline	9.451	65	244621	46.397	ng	97
49) Acenaphthylene	9.775	152	1289842	47.733	ng	100
50) Dimethylphthalate	9.633	163	1025138	45.529	ng	100
51) 2,6-Dinitrotoluene	9.692	165	226093	48.228	ng	95
52) Acenaphthene	9.945	154	977111	51.455	ng	100
53) 3-Nitroaniline	9.863	138	142889	30.048	ng	95
54) 2,4-Dinitrophenol	9.969	184	263996	97.541	ng	# 49
55) Dibenzofuran	10.116	168	1199543	44.208	ng	99
56) 4-Nitrophenol	10.028	139	342454	95.492	ng	96
57) 2,4-Dinitrotoluene	10.098	165	318954	52.091	ng	98
58) Fluorene	10.463	166	960647	45.909	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	276126	46.831	ng	99
60) Diethylphthalate	10.333	149	1009592	44.968	ng	100
61) 4-Chlorophenyl-phenyle...	10.451	204	498601	45.705	ng	98
62) 4-Nitroaniline	10.480	138	211671	45.721	ng	98
63) Azobenzene	10.610	77	887847	42.535	ng	98
65) 4,6-Dinitro-2-methylph...	10.510	198	180681	52.598	ng	93
66) n-Nitrosodiphenylamine	10.569	169	844130	45.269	ng	99
67) 4-Bromophenyl-phenylether	10.939	248	327857	45.304	ng	99
68) Hexachlorobenzene	11.010	284	390852	49.244	ng	92
69) Atrazine	11.098	200	350688	61.348	ng	99
70) Pentachlorophenol	11.204	266	459633	93.990	ng	99
71) Phenanthrene	11.422	178	1433523	46.059	ng	99
72) Anthracene	11.475	178	1477126	47.305	ng	100
73) Carbazole	11.627	167	1214986	45.118	ng	100
74) Di-n-butylphthalate	11.957	149	1588545	44.457	ng	99
75) Fluoranthene	12.610	202	1475898	44.704	ng	99
77) Benzidine	12.727	184	276682	59.733	ng	99
78) Pyrene	12.839	202	1465000	51.013	ng	100
80) Butylbenzylphthalate	13.451	149	551623	49.076	ng	100
81) Benzo(a)anthracene	14.027	228	1028335	47.202	ng	99
82) 3,3'-Dichlorobenzidine	13.986	252	209491	33.275	ng	99
83) Chrysene	14.063	228	903542	45.754	ng	100
84) Bis(2-ethylhexyl)phtha...	14.010	149	744242	48.022	ng	100
85) Di-n-octyl phthalate	14.621	149	1008397	46.763	ng	98
87) Indeno(1,2,3-cd)pyrene	16.998	276	770408	40.696	ng	97
88) Benzo(b)fluoranthene	15.074	252	907093	45.226	ng	100
89) Benzo(k)fluoranthene	15.104	252	750155	43.705	ng	99
90) Benzo(a)pyrene	15.445	252	764955	48.743	ng	99
91) Dibenzo(a,h)anthracene	17.009	278	622602	39.861	ng	99
92) Benzo(g,h,i)perylene	17.445	276	562360	36.434	ng	97

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

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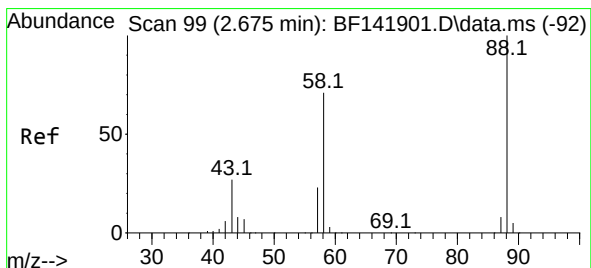
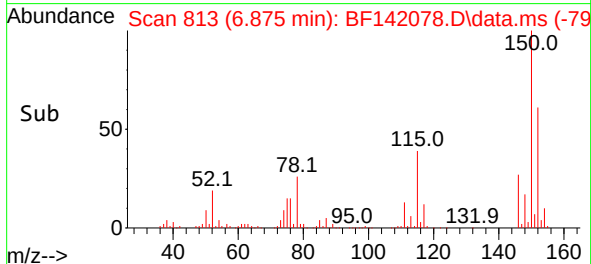
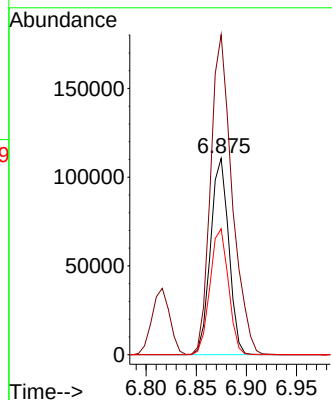
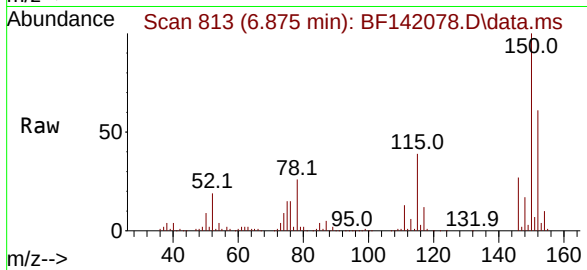




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BF142078.D
 Acq: 25 Mar 2025 15:07

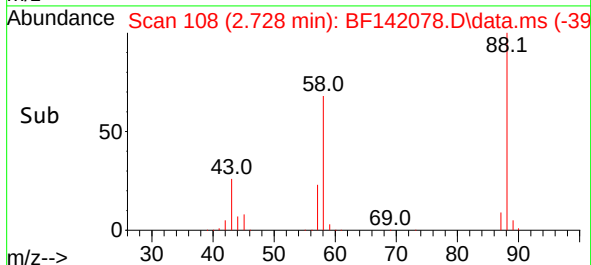
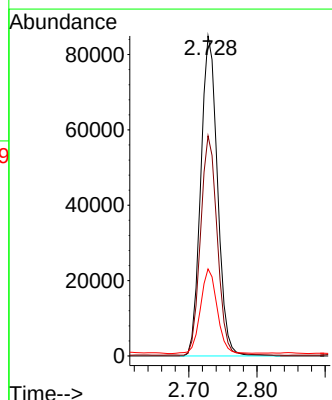
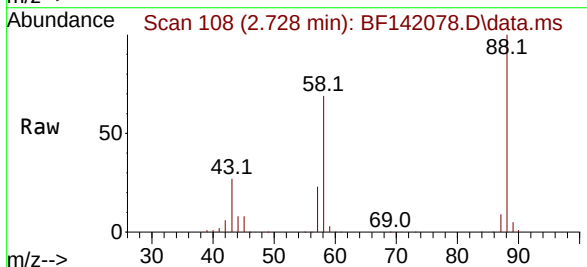
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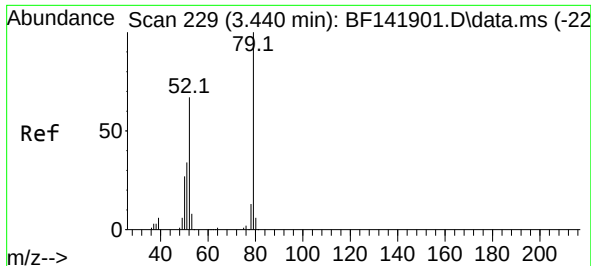
Tgt Ion:152 Resp: 140188
 Ion Ratio Lower Upper
 152 100
 150 163.0 127.4 191.2
 115 64.1 51.9 77.9



#2
 1,4-Dioxane
 Concen: 41.146 ng
 RT: 2.728 min Scan# 108
 Delta R.T. 0.053 min
 Lab File: BF142078.D
 Acq: 25 Mar 2025 15:07

Tgt Ion: 88 Resp: 144815
 Ion Ratio Lower Upper
 88 100
 58 68.4 57.4 86.2
 43 26.3 21.5 32.3

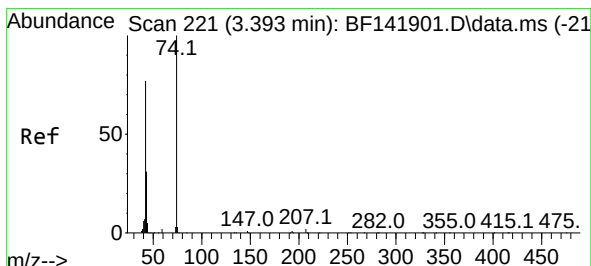
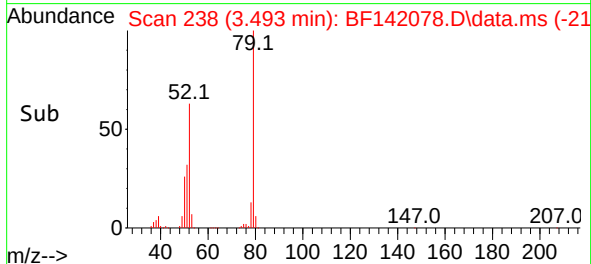
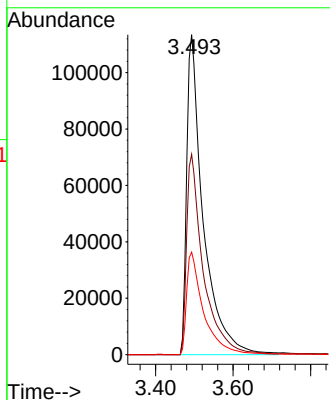
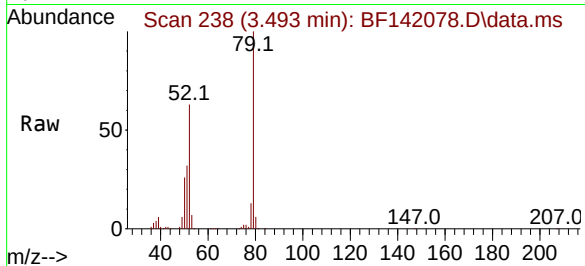




#3
Pyridine
Concen: 38.829 ng
RT: 3.493 min Scan# 21
Delta R.T. 0.053 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

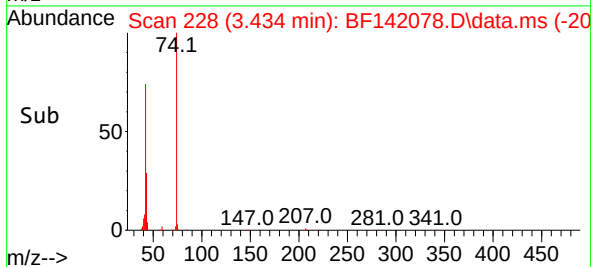
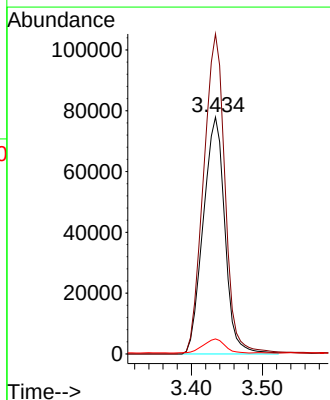
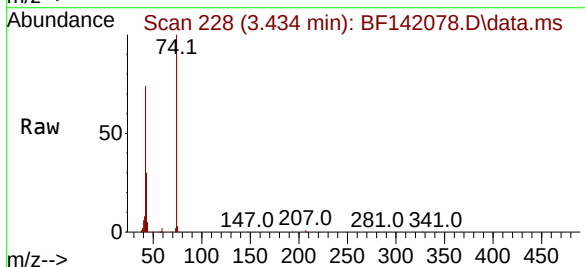
Instrument :
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ClientSampleId :
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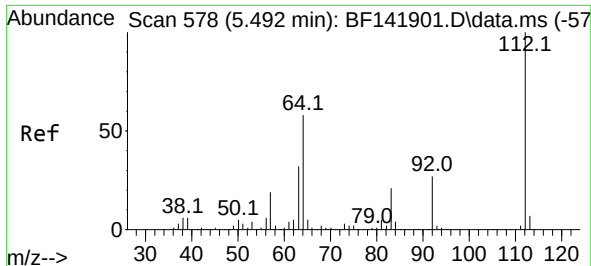
Tgt Ion: 79 Resp: 335219
Ion Ratio Lower Upper
79 100
52 62.6 53.3 79.9
51 32.1 27.6 41.4



#4
n-Nitrosodimethylamine
Concen: 40.143 ng
RT: 3.434 min Scan# 228
Delta R.T. 0.041 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

Tgt Ion: 42 Resp: 165202
Ion Ratio Lower Upper
42 100
74 135.1 103.4 155.0
44 6.4 5.0 7.4

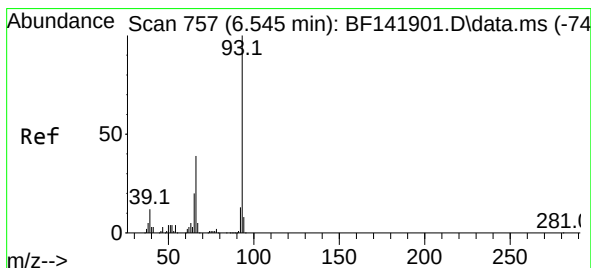
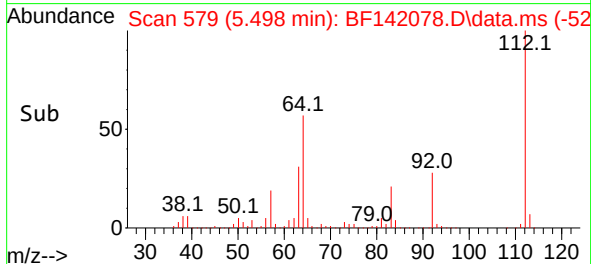
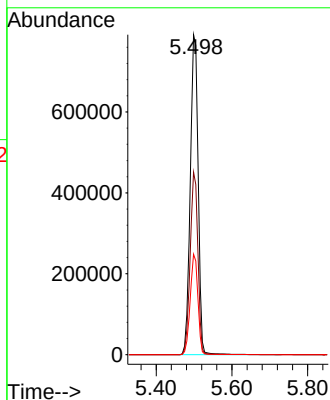
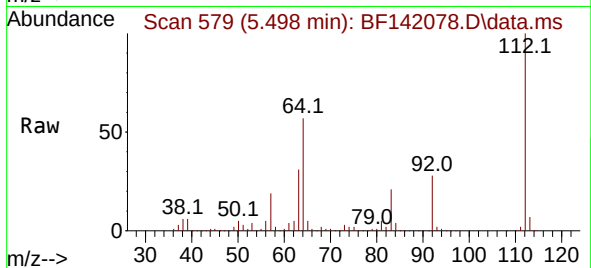




#5
2-Fluorophenol
Concen: 135.708 ng
RT: 5.498 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

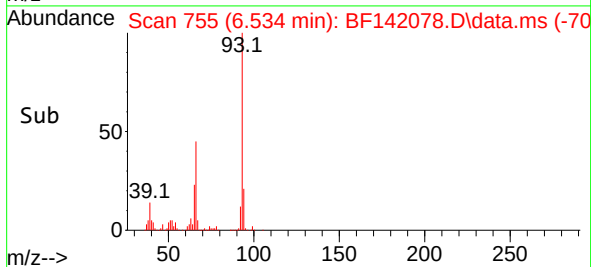
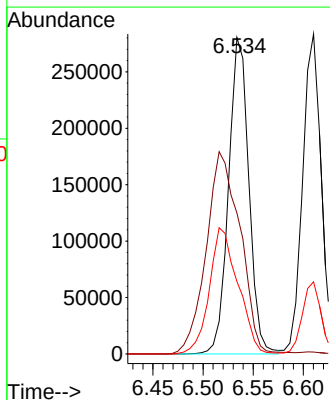
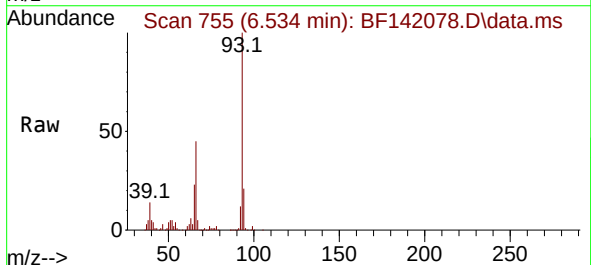
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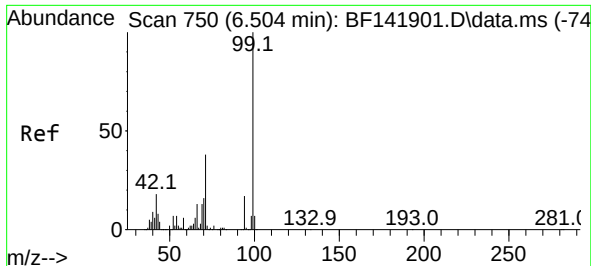
Tgt Ion:112 Resp: 1139907
Ion Ratio Lower Upper
112 100
64 57.0 46.5 69.7
63 31.4 25.4 38.2



#6
Aniline
Concen: 37.479 ng
RT: 6.534 min Scan# 755
Delta R.T. -0.012 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

Tgt Ion: 93 Resp: 395413
Ion Ratio Lower Upper
93 100
66 44.5 31.9 47.9
65 22.9 15.8 23.6





#7
Phenol-d6
Concen: 132.602 ng
RT: 6.504 min Scan# 714
Delta R.T. 0.000 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

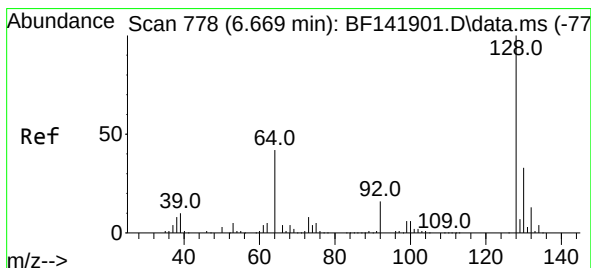
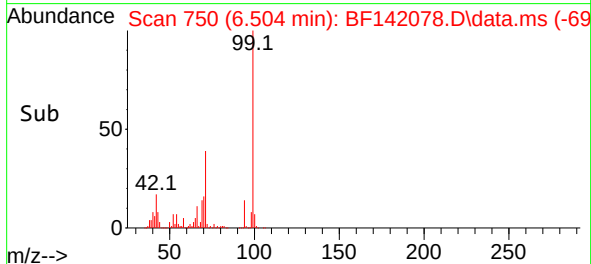
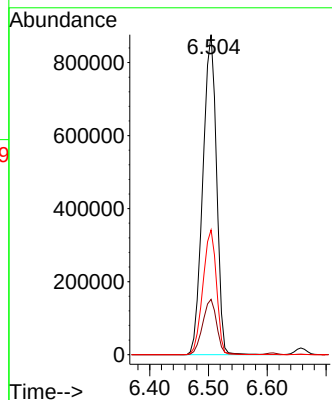
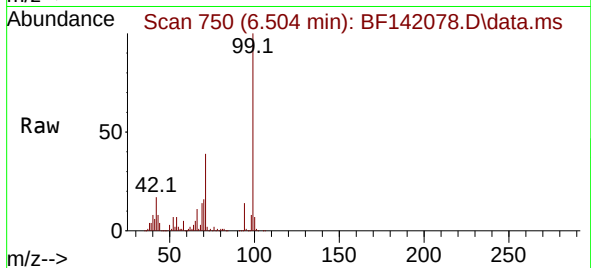
Instrument :

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ClientSampleId :

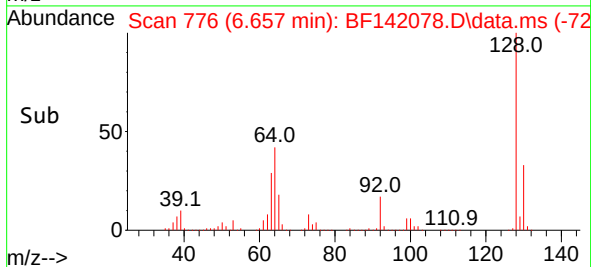
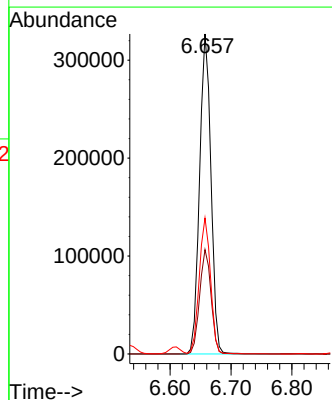
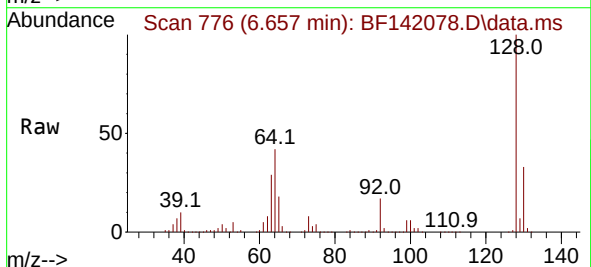
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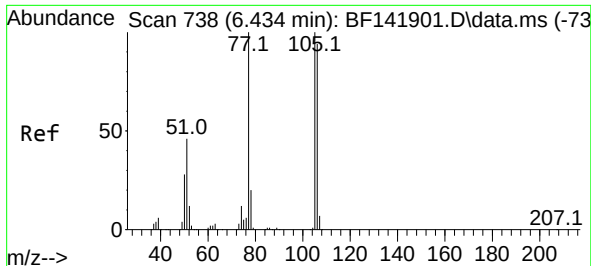
Tgt Ion: 99 Resp: 1418143
Ion Ratio Lower Upper
99 100
42 17.3 14.6 21.8
71 39.0 30.8 46.2



#8
2-Chlorophenol
Concen: 45.570 ng
RT: 6.657 min Scan# 776
Delta R.T. -0.012 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

Tgt Ion:128 Resp: 424524
Ion Ratio Lower Upper
128 100
130 32.6 12.8 52.8
64 42.5 24.4 64.4

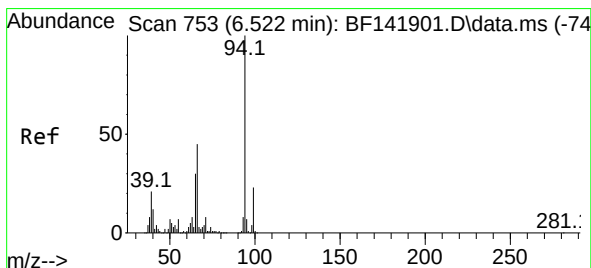
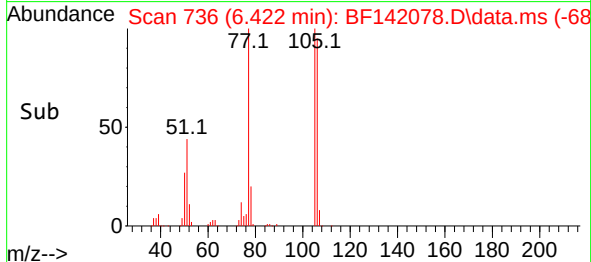
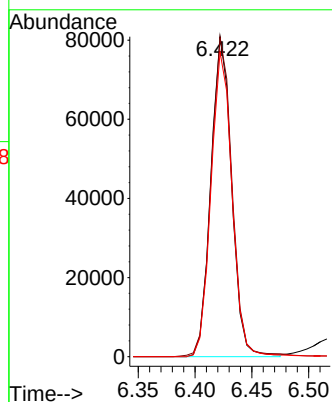
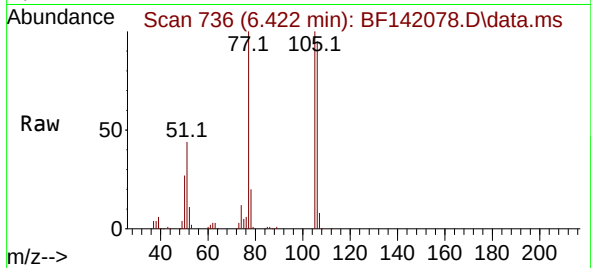




#9
Benzaldehyde
Concen: 17.098 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

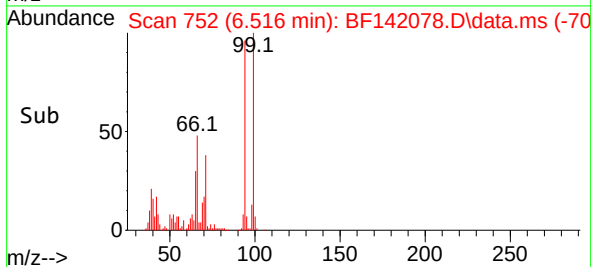
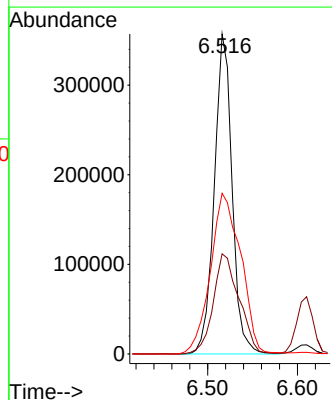
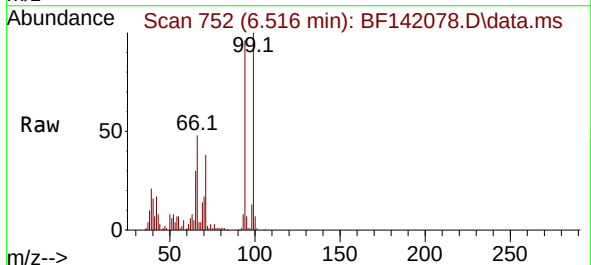
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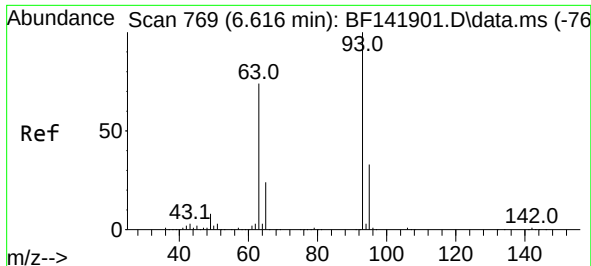
Tgt Ion: 77 Resp: 102267
Ion Ratio Lower Upper
77 100
105 99.8 80.0 120.0
106 95.2 74.5 114.5



#10
Phenol
Concen: 43.715 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

Tgt Ion: 94 Resp: 491842
Ion Ratio Lower Upper
94 100
65 31.3 10.5 50.5
66 50.2 25.8 65.8

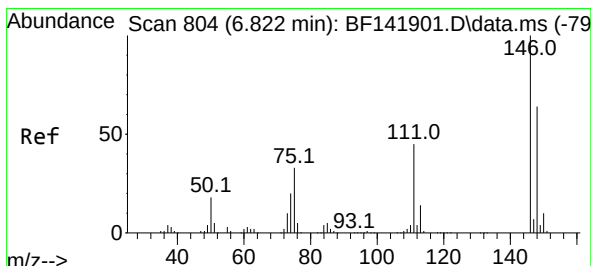
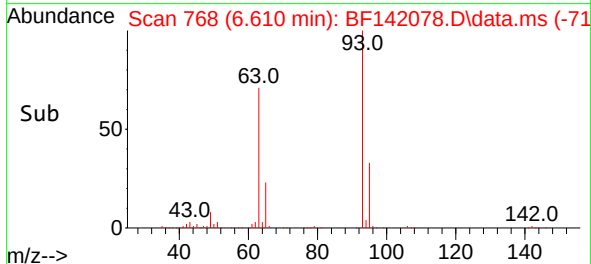
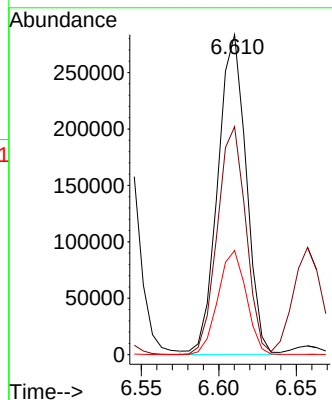
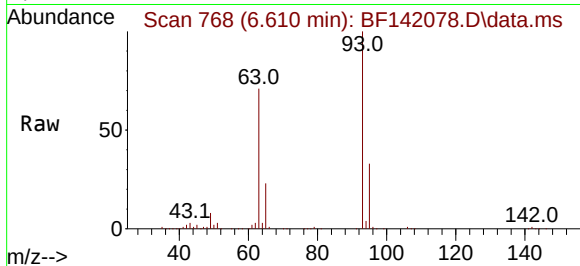




#11
bis(2-Chloroethyl)ether
Concen: 42.697 ng
RT: 6.610 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

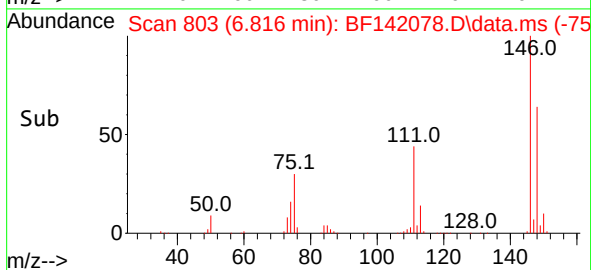
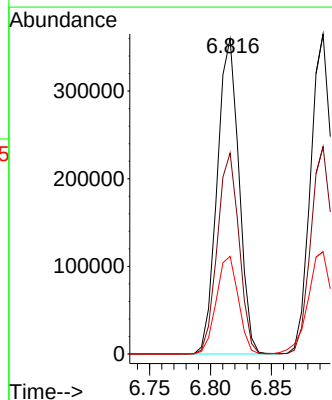
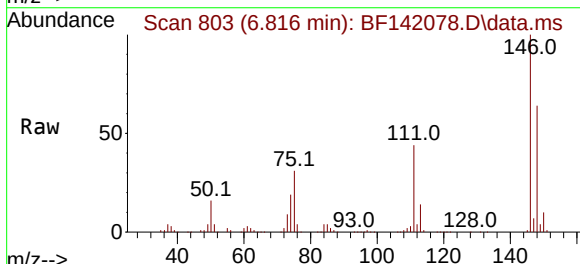
Instrument :
BNA_F
ClientSampleId :
PB167254BS

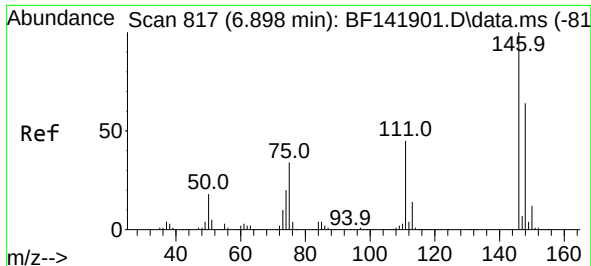
Tgt Ion: 93 Resp: 360718
Ion Ratio Lower Upper
93 100
63 71.2 53.0 93.0
95 32.6 12.9 52.9



#12
1,3-Dichlorobenzene
Concen: 44.499 ng
RT: 6.816 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

Tgt Ion:146 Resp: 447551
Ion Ratio Lower Upper
146 100
148 63.8 51.3 76.9
75 31.0 26.6 40.0

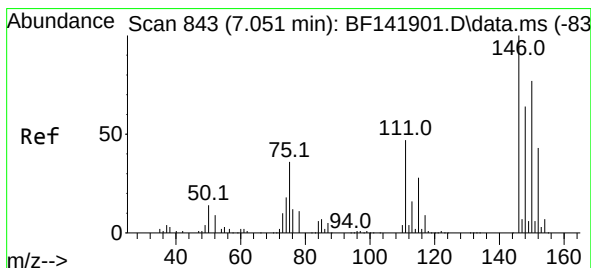
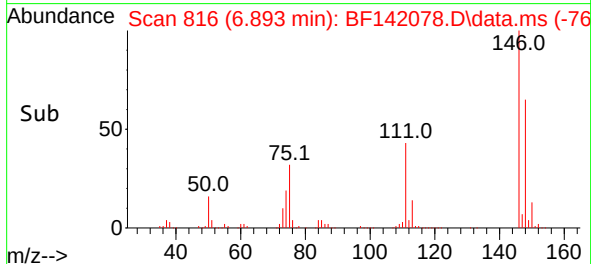
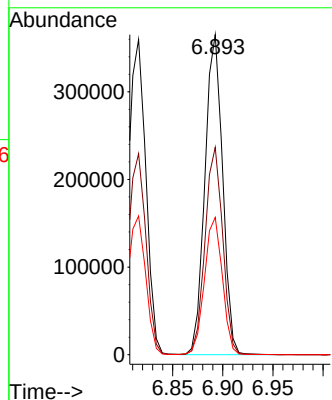
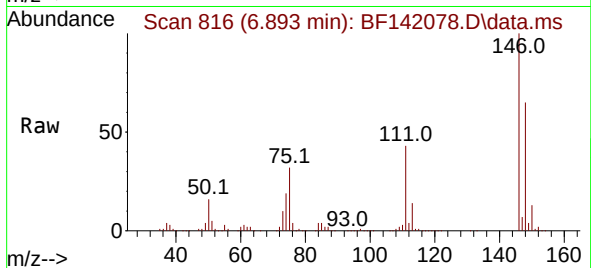




#13
1,4-Dichlorobenzene
Concen: 44.242 ng
RT: 6.893 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

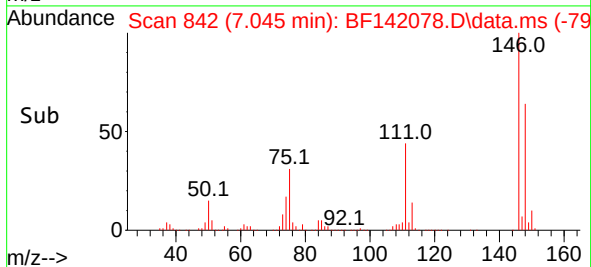
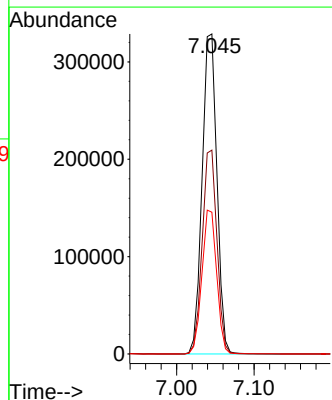
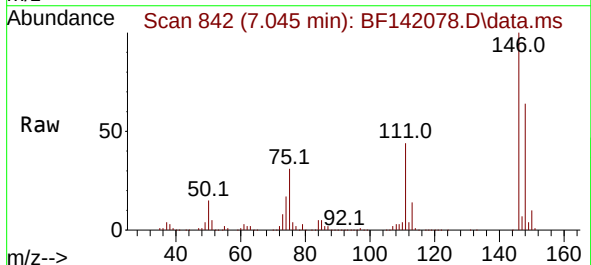
Instrument :
BNA_F
ClientSampleId :
PB167254BS

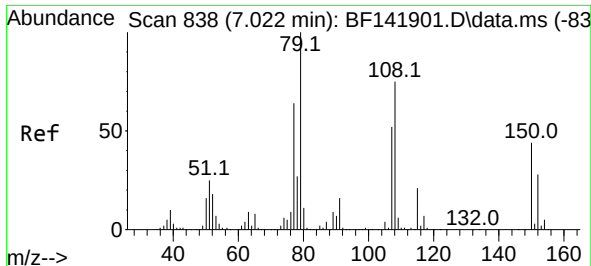
Tgt Ion:146 Resp: 450214
Ion Ratio Lower Upper
146 100
148 64.8 51.0 76.6
111 42.9 35.7 53.5



#14
1,2-Dichlorobenzene
Concen: 45.508 ng
RT: 7.045 min Scan# 842
Delta R.T. -0.006 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

Tgt Ion:146 Resp: 436189
Ion Ratio Lower Upper
146 100
148 63.7 50.8 76.2
111 44.3 38.0 57.0





#15

Benzyl Alcohol

Concen: 42.120 ng

RT: 7.016 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF142078.D

Acq: 25 Mar 2025 15:07

Instrument :

BNA_F

ClientSampleId :

PB167254BS

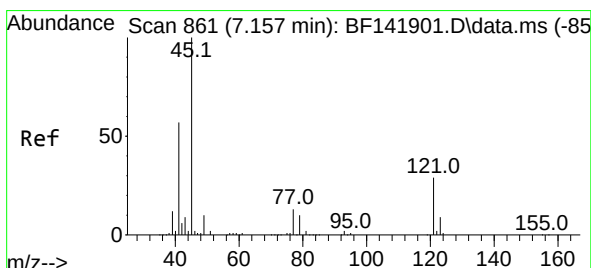
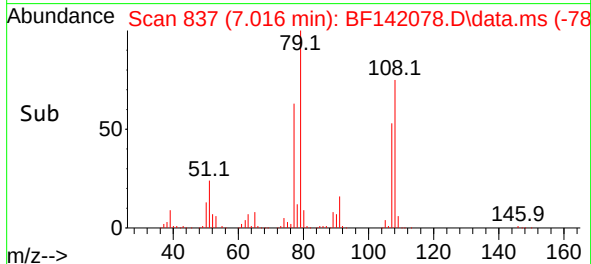
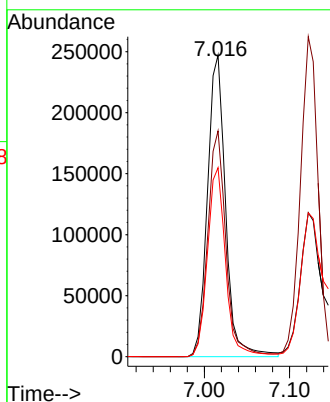
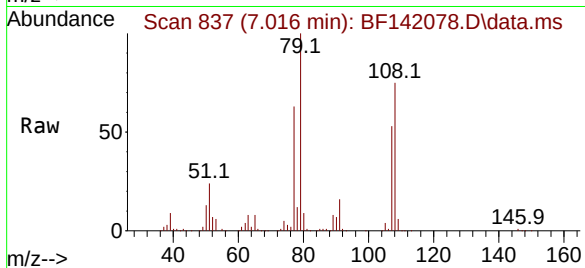
Tgt Ion: 79 Resp: 364176

Ion Ratio Lower Upper

79 100

108 74.9 59.7 89.5

77 62.6 51.0 76.6



#16

2,2'-oxybis(1-Chloropropane)

Concen: 39.052 ng

RT: 7.145 min Scan# 859

Delta R.T. -0.012 min

Lab File: BF142078.D

Acq: 25 Mar 2025 15:07

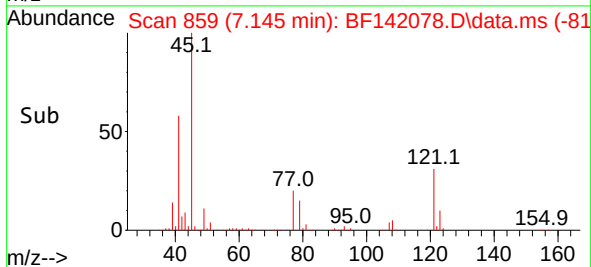
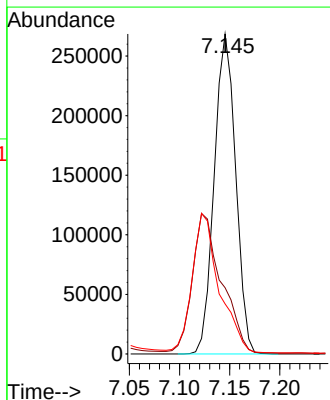
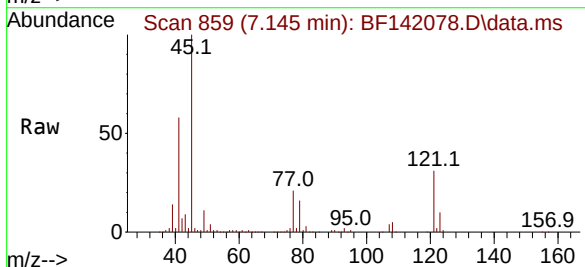
Tgt Ion: 45 Resp: 398307

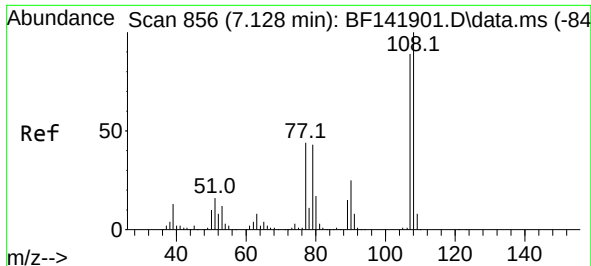
Ion Ratio Lower Upper

45 100

77 20.7 0.0 37.8

79 15.7 0.0 34.2

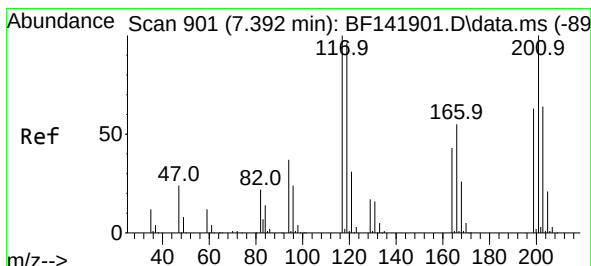
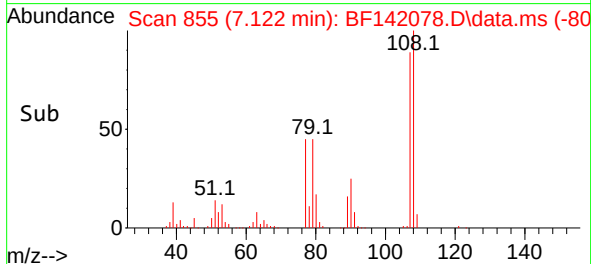
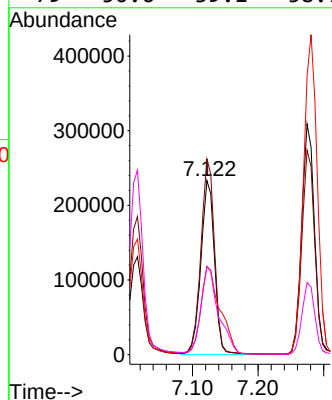
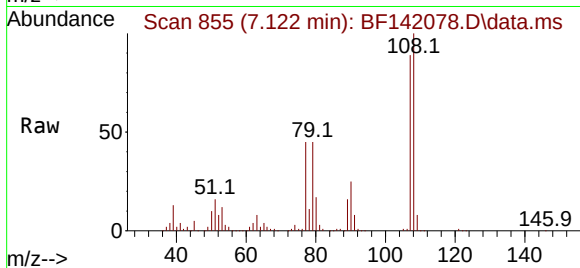




#17
2-Methylphenol
Concen: 45.752 ng
RT: 7.122 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

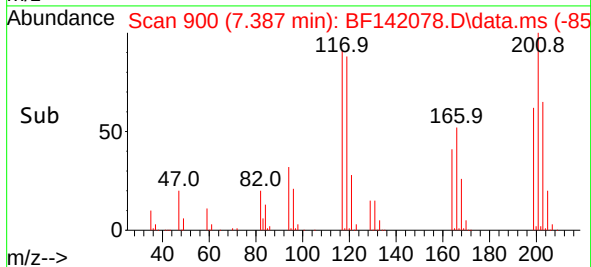
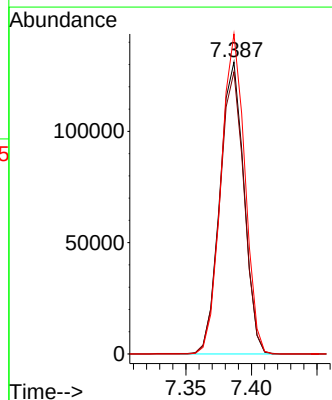
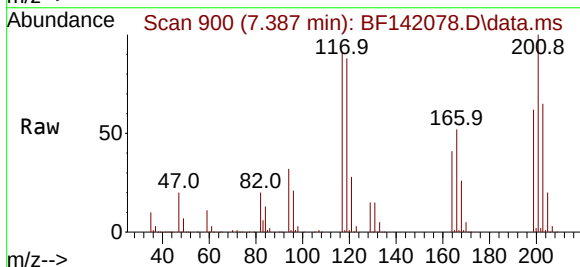
Instrument :
BNA_F
ClientSampleId :
PB167254BS

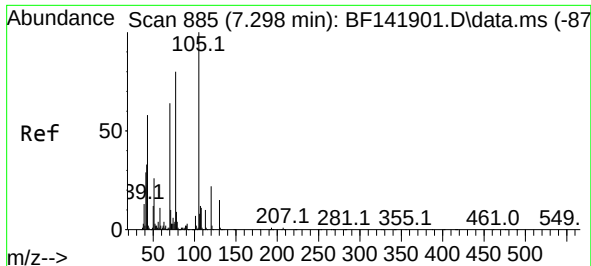
Tgt Ion:	107	Resp:	338893
Ion	Ratio	Lower	Upper
107	100		
108	112.5	90.2	135.2
77	50.6	39.6	59.4
79	50.6	39.1	58.7



#18
Hexachloroethane
Concen: 43.741 ng
RT: 7.387 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

Tgt Ion:	117	Resp:	166914
Ion	Ratio	Lower	Upper
117	100		
119	96.7	76.9	115.3
201	109.7	79.9	119.9



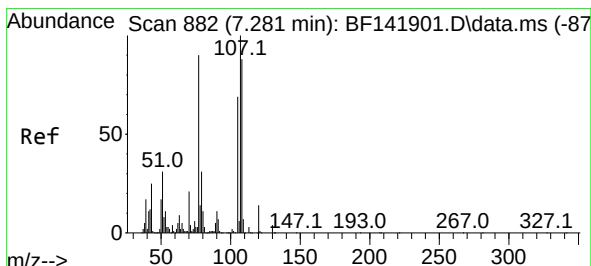
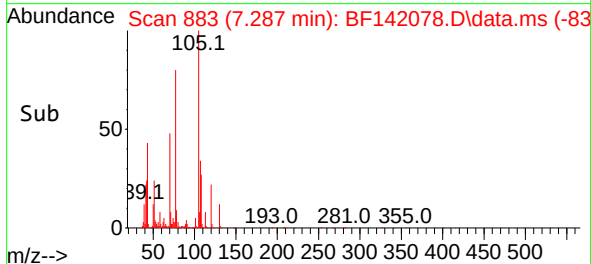
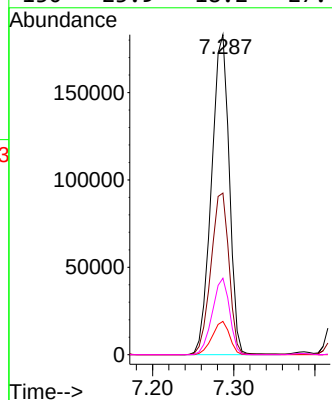
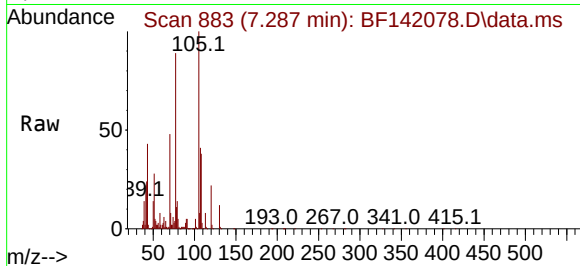


#19
n-Nitroso-di-n-propylamine
Concen: 40.472 ng
RT: 7.287 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

Instrument :
BNA_F
ClientSampleId :
PB167254BS

Tgt Ion: 70 Resp: 278124

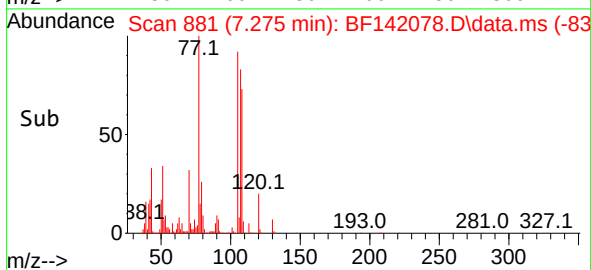
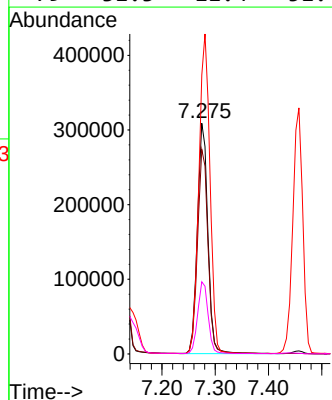
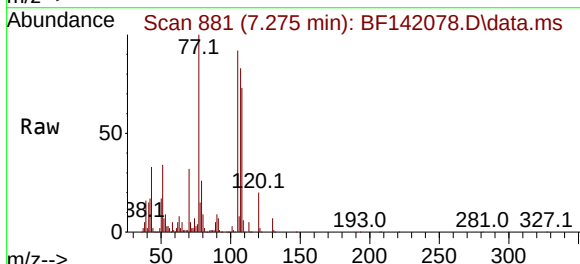
Ion	Ratio	Lower	Upper
70	100		
42	50.5	41.4	62.0
101	10.4	8.2	12.2
130	23.9	18.2	27.4

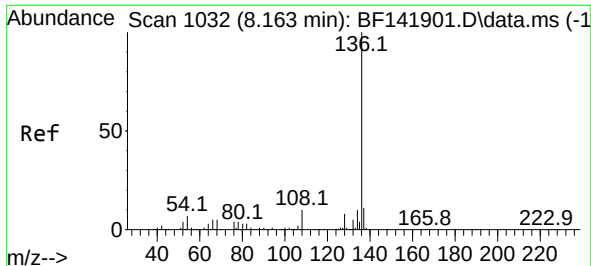


#20
3+4-Methylphenols
Concen: 44.541 ng
RT: 7.275 min Scan# 881
Delta R.T. -0.006 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

Tgt Ion: 107 Resp: 422589

Ion	Ratio	Lower	Upper
107	100		
108	88.6	68.4	108.4
77	120.8	69.7	109.7#
79	31.3	11.4	51.4



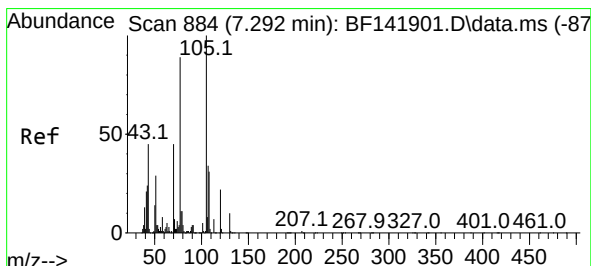
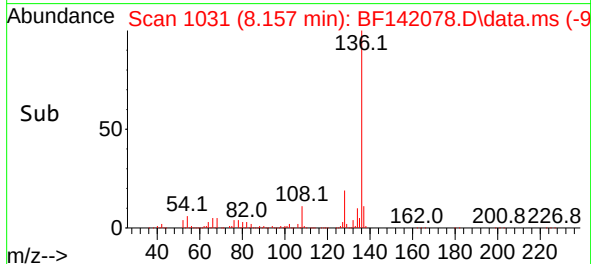
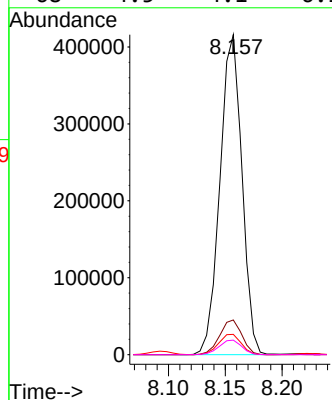
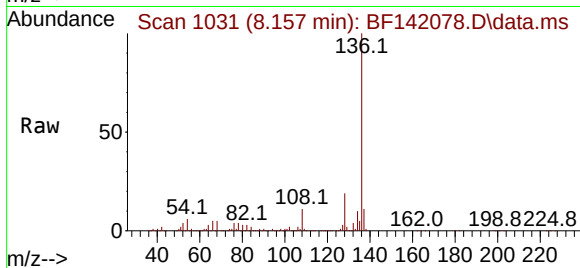


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

Instrument :
BNA_F
ClientSampleId :
PB167254BS

Tgt Ion:136 Resp: 560217

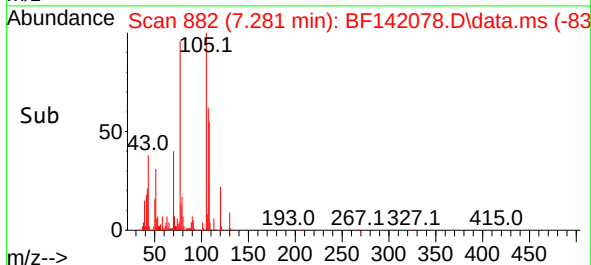
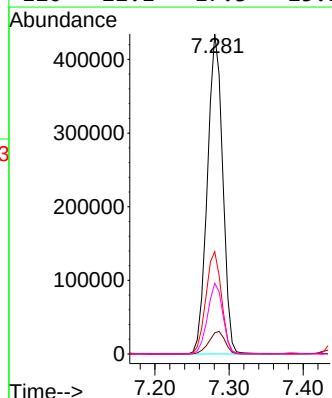
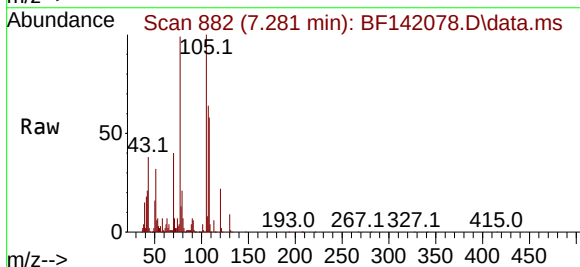
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	6.3	5.8	8.8
68	4.5	4.1	6.1

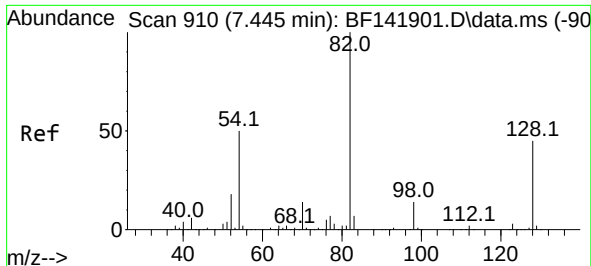


#22
Acetophenone
Concen: 46.557 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.012 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

Tgt Ion:105 Resp: 624598

Ion	Ratio	Lower	Upper
105	100		
71	6.6	5.8	8.8
51	32.0	23.4	35.0
120	22.1	17.3	25.9

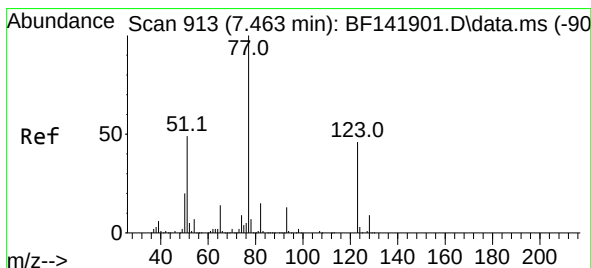
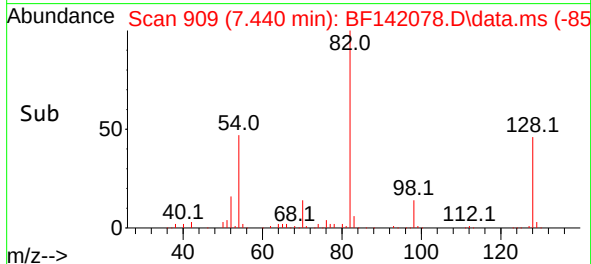
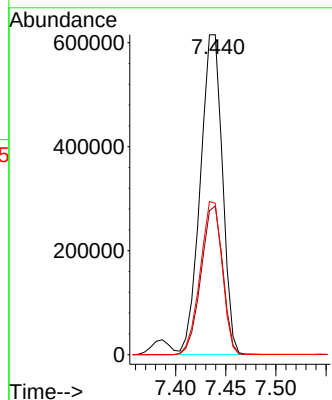
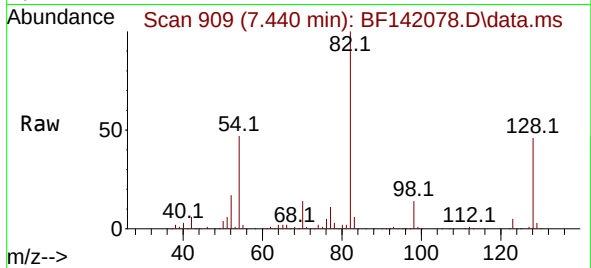




#23
Nitrobenzene-d5
Concen: 94.709 ng
RT: 7.440 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

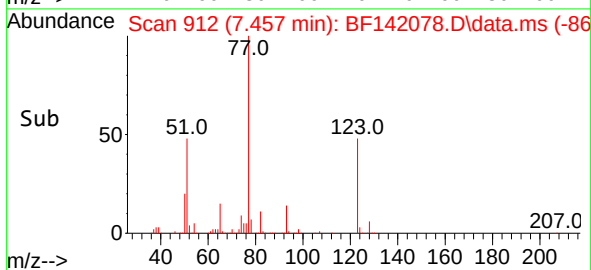
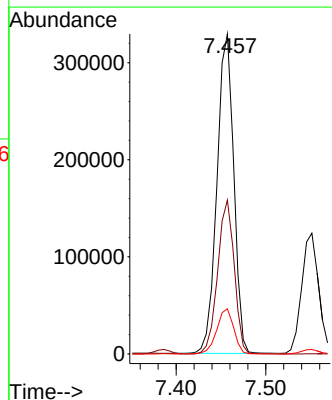
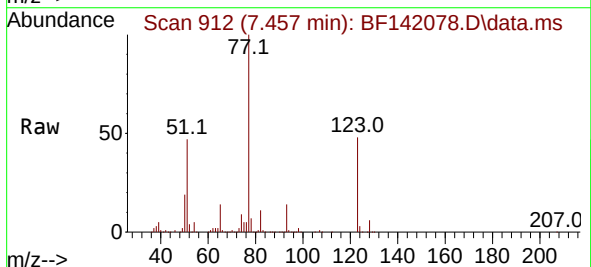
Instrument :
BNA_F
ClientSampleId :
PB167254BS

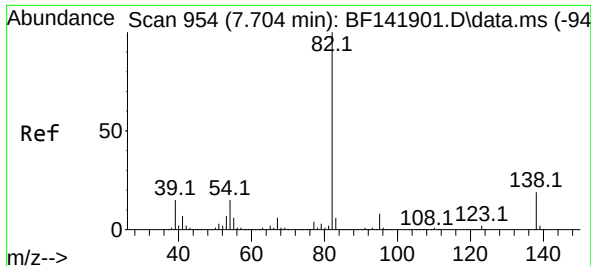
Tgt Ion: 82 Resp: 942813
Ion Ratio Lower Upper
82 100
128 46.5 36.0 54.0
54 47.3 39.6 59.4



#24
Nitrobenzene
Concen: 43.226 ng
RT: 7.457 min Scan# 912
Delta R.T. -0.006 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

Tgt Ion: 77 Resp: 427778
Ion Ratio Lower Upper
77 100
123 48.1 37.0 55.4
65 14.1 11.3 16.9

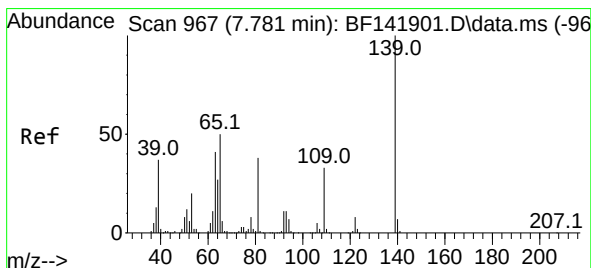
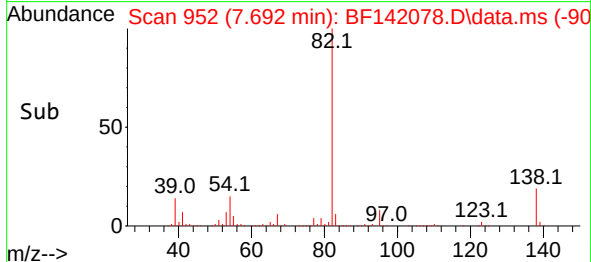
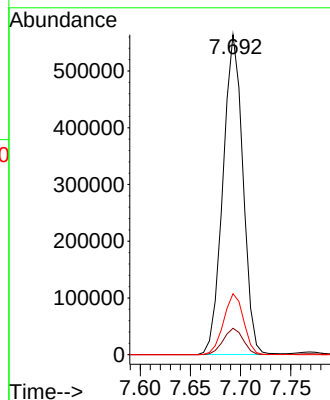
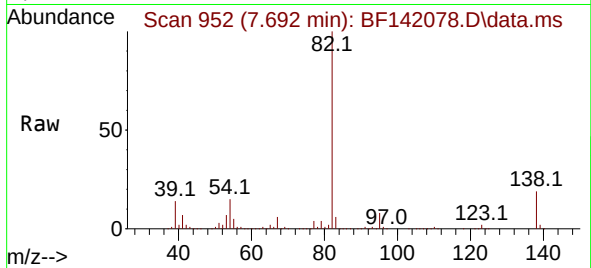




#25
Isophorone
Concen: 44.444 ng
RT: 7.692 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

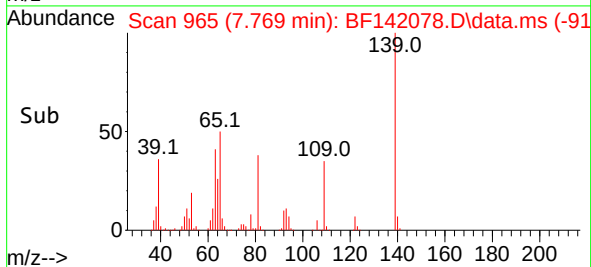
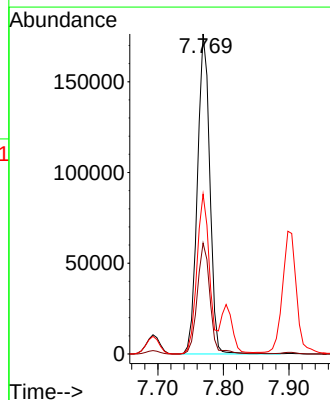
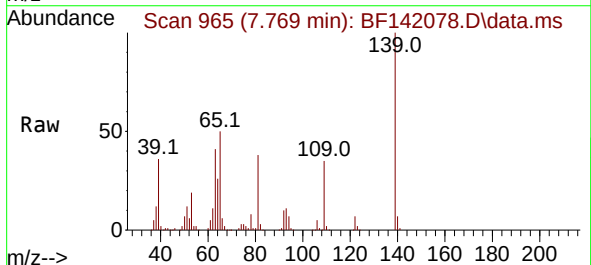
Instrument :
BNA_F
ClientSampleId :
PB167254BS

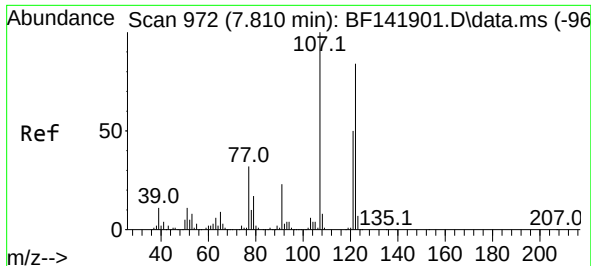
Tgt Ion: 82 Resp: 782075
Ion Ratio Lower Upper
82 100
95 8.3 6.4 9.6
138 19.1 14.9 22.3



#26
2-Nitrophenol
Concen: 47.785 ng
RT: 7.769 min Scan# 965
Delta R.T. -0.012 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

Tgt Ion:139 Resp: 232098
Ion Ratio Lower Upper
139 100
109 34.7 26.5 39.7
65 50.0 40.3 60.5





#27

2,4-Dimethylphenol

Concen: 54.789 ng

RT: 7.804 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF142078.D

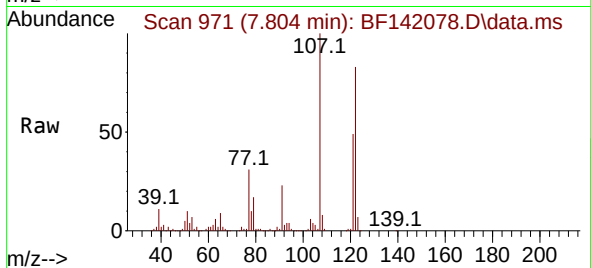
Acq: 25 Mar 2025 15:07

Instrument :

BNA_F

ClientSampleId :

PB167254BS



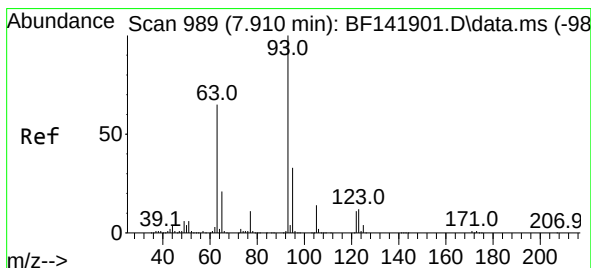
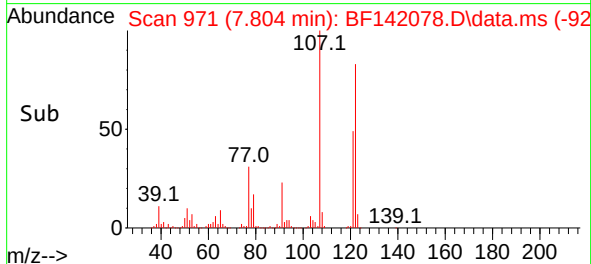
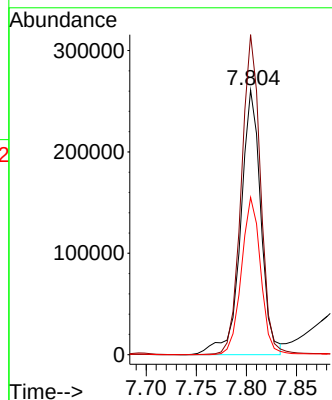
Tgt Ion:122 Resp: 366432

Ion Ratio Lower Upper

122 100

107 120.9 94.8 142.2

121 59.4 47.8 71.6



#28

bis(2-Chloroethoxy)methane

Concen: 42.211 ng

RT: 7.904 min Scan# 988

Delta R.T. -0.006 min

Lab File: BF142078.D

Acq: 25 Mar 2025 15:07

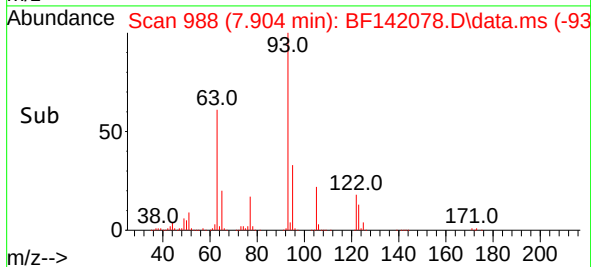
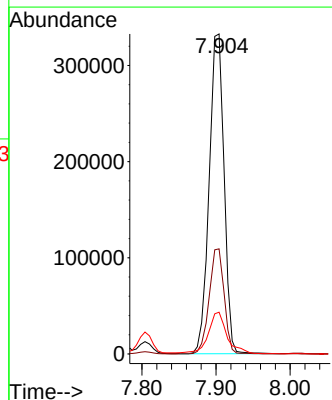
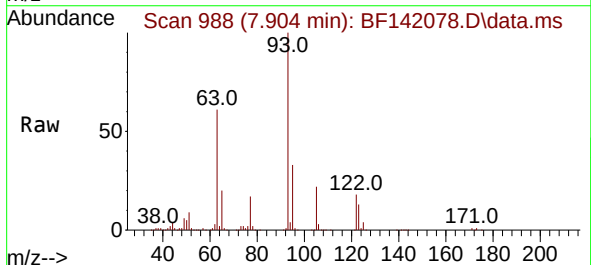
Tgt Ion: 93 Resp: 465873

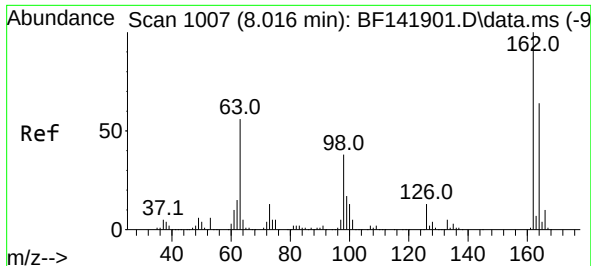
Ion Ratio Lower Upper

93 100

95 32.8 26.6 40.0

123 13.0 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 45.687 ng

RT: 8.010 min Scan# 1006

Delta R.T. -0.006 min

Lab File: BF142078.D

Acq: 25 Mar 2025 15:07

Instrument :

BNA_F

ClientSampleId :

PB167254BS

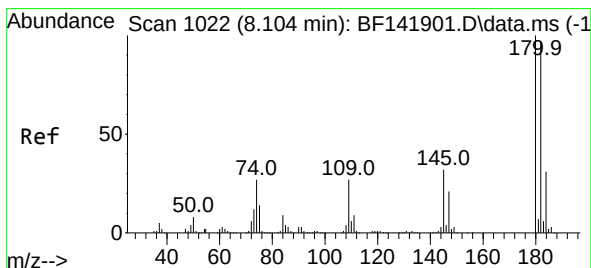
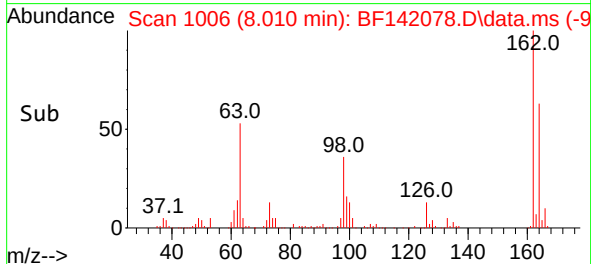
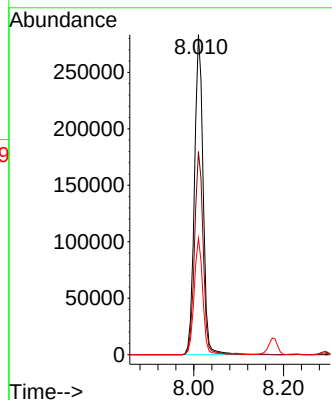
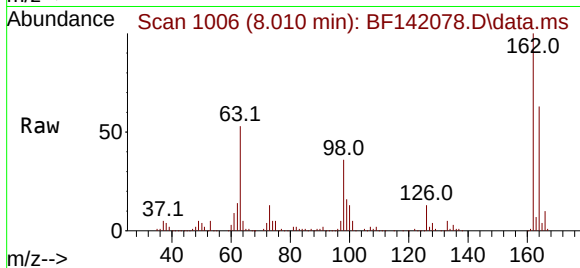
Tgt Ion:162 Resp: 379264

Ion Ratio Lower Upper

162 100

164 63.5 43.8 83.8

98 36.4 18.1 58.1



#30

1,2,4-Trichlorobenzene

Concen: 44.067 ng

RT: 8.092 min Scan# 1020

Delta R.T. -0.012 min

Lab File: BF142078.D

Acq: 25 Mar 2025 15:07

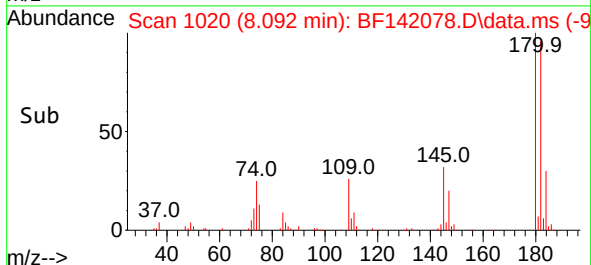
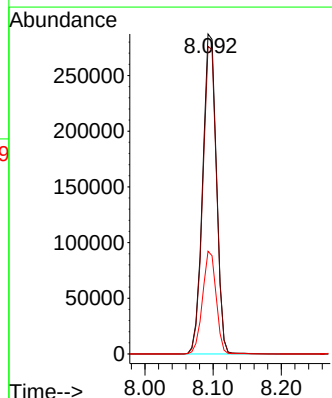
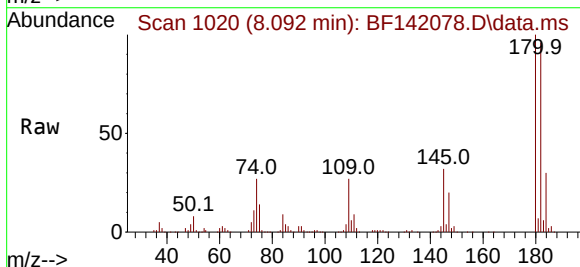
Tgt Ion:180 Resp: 403139

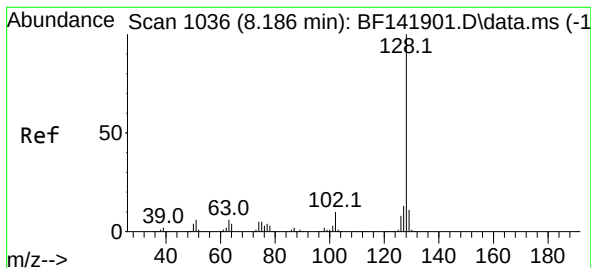
Ion Ratio Lower Upper

180 100

182 96.1 77.5 116.3

145 32.1 25.8 38.6





#31

Naphthalene

Concen: 42.776 ng

RT: 8.175 min Scan# 1034

Delta R.T. -0.012 min

Lab File: BF142078.D

Acq: 25 Mar 2025 15:07

Instrument :

BNA_F

ClientSampleId :

PB167254BS

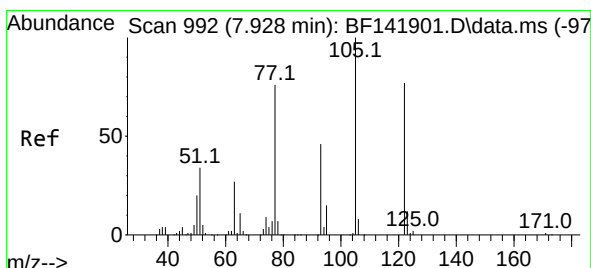
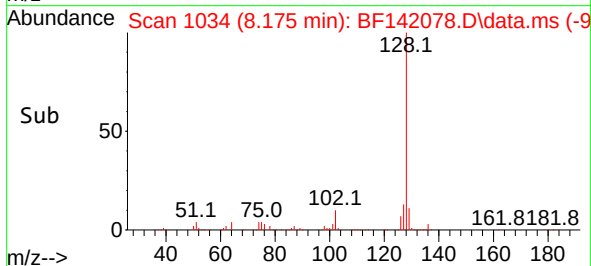
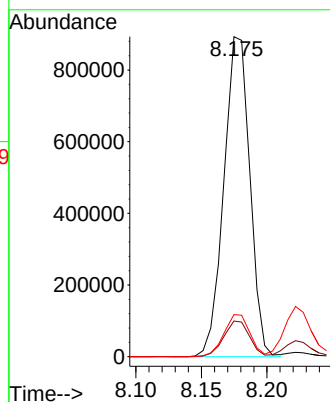
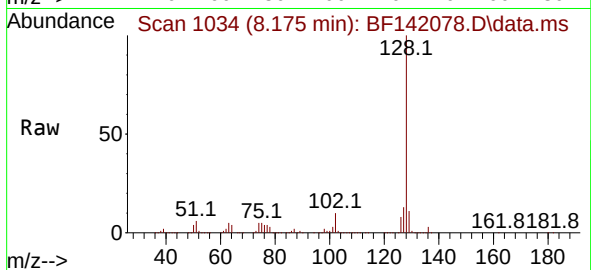
Tgt Ion:128 Resp: 1230997

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.6

127 13.1 10.8 16.2



#32

Benzoic acid

Concen: 49.717 ng

RT: 7.928 min Scan# 992

Delta R.T. -0.000 min

Lab File: BF142078.D

Acq: 25 Mar 2025 15:07

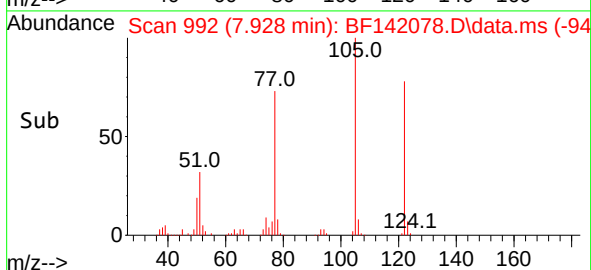
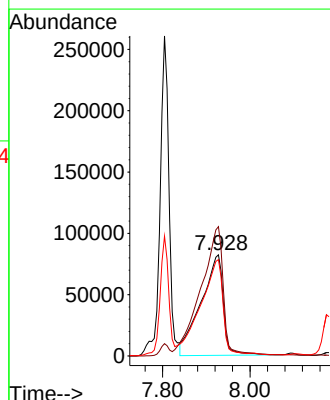
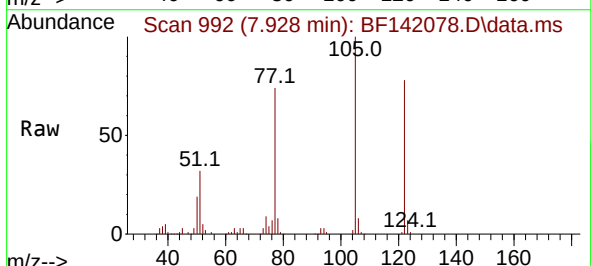
Tgt Ion:122 Resp: 292285

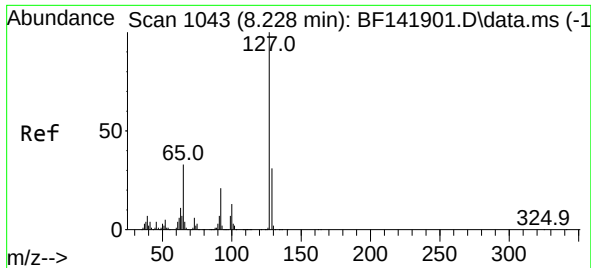
Ion Ratio Lower Upper

122 100

105 127.8 107.9 147.9

77 95.2 79.0 119.0

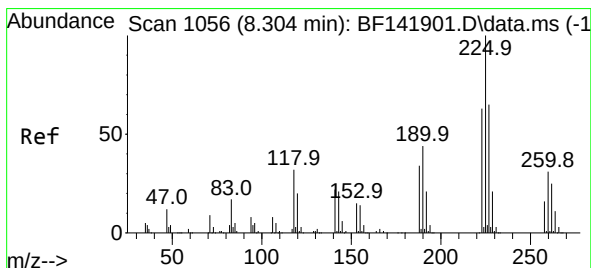
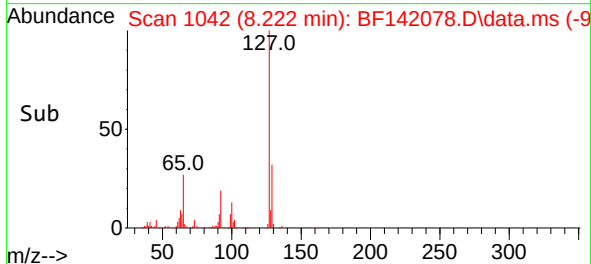
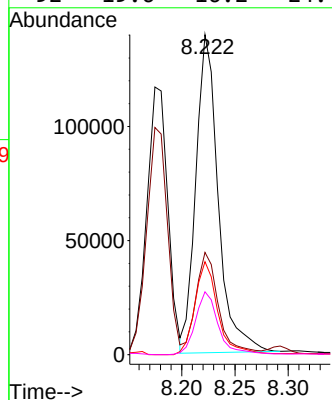
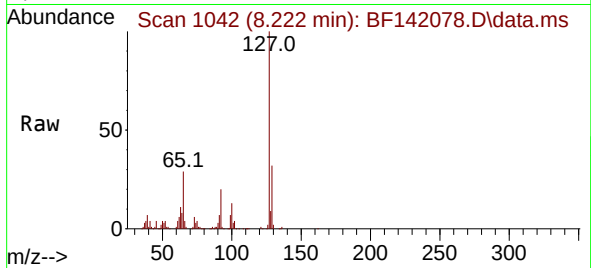




#33
4-Chloroaniline
Concen: 20.109 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

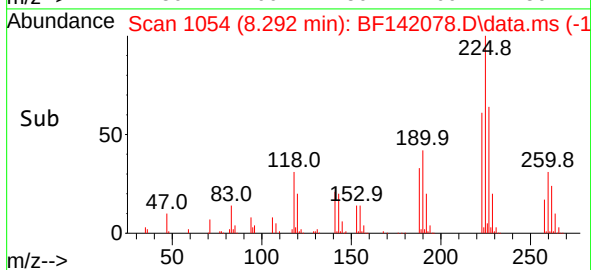
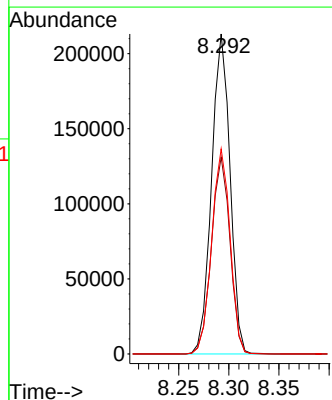
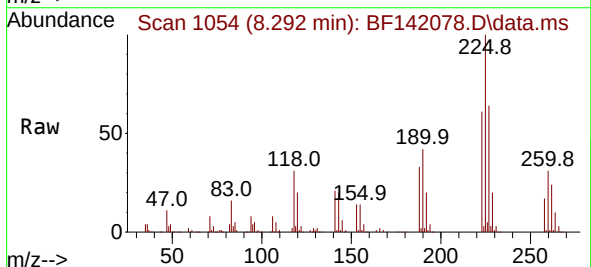
Instrument :
BNA_F
ClientSampleId :
PB167254BS

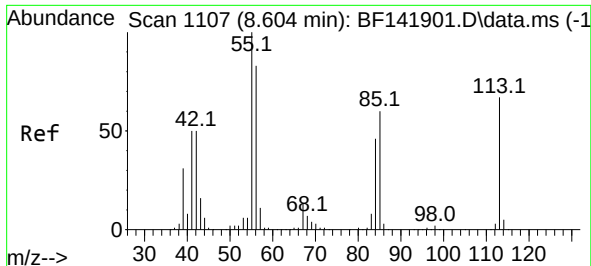
Tgt	Ion:127	Resp:	204286
Ion	Ratio	Lower	Upper
127	100		
129	31.9	26.2	39.4
65	29.1	25.4	38.2
92	19.6	16.2	24.4



#34
Hexachlorobutadiene
Concen: 45.736 ng
RT: 8.292 min Scan# 1054
Delta R.T. -0.012 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

Tgt	Ion:225	Resp:	272869
Ion	Ratio	Lower	Upper
225	100		
223	61.5	50.6	75.8
227	64.1	52.2	78.2

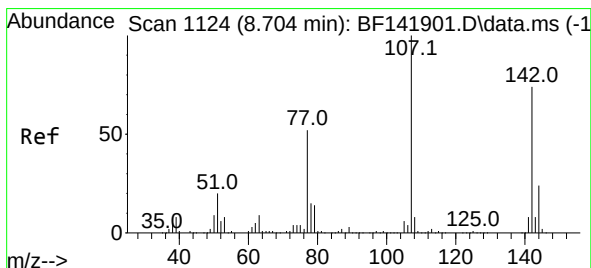
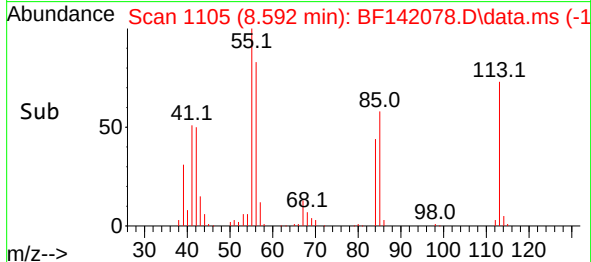
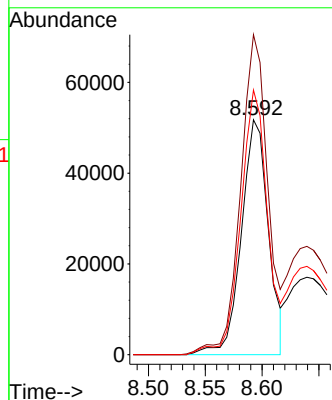
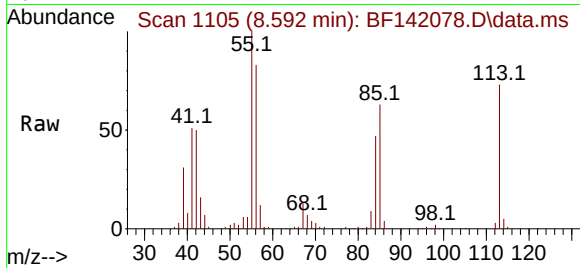




#35
Caprolactam
Concen: 33.751 ng
RT: 8.592 min Scan# 1105
Delta R.T. -0.012 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

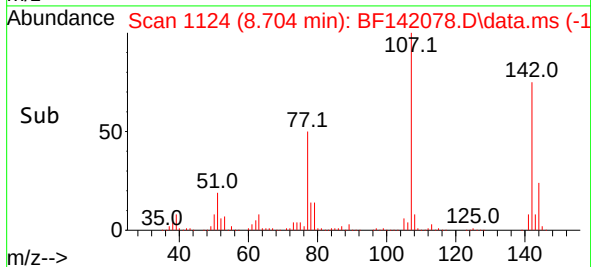
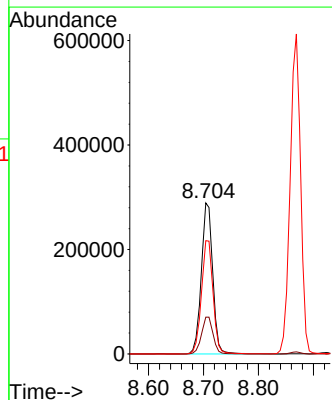
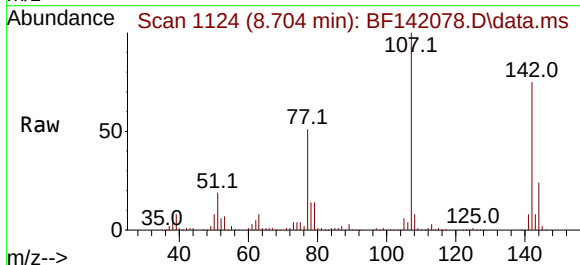
Instrument :
BNA_F
ClientSampleId :
PB167254BS

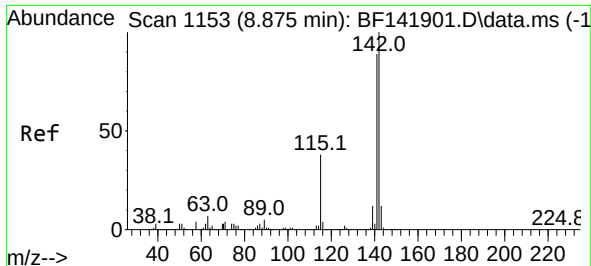
Tgt Ion:113 Resp: 85420
Ion Ratio Lower Upper
113 100
55 136.2 129.6 169.6
56 112.6 104.0 144.0



#36
4-Chloro-3-methylphenol
Concen: 45.225 ng
RT: 8.704 min Scan# 1124
Delta R.T. 0.000 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

Tgt Ion:107 Resp: 418800
Ion Ratio Lower Upper
107 100
144 24.4 19.0 28.6
142 75.0 59.2 88.8





#37

2-Methylnaphthalene

Concen: 41.926 ng

RT: 8.869 min Scan# 1152

Delta R.T. -0.006 min

Lab File: BF142078.D

Acq: 25 Mar 2025 15:07

Instrument :

BNA_F

ClientSampleId :

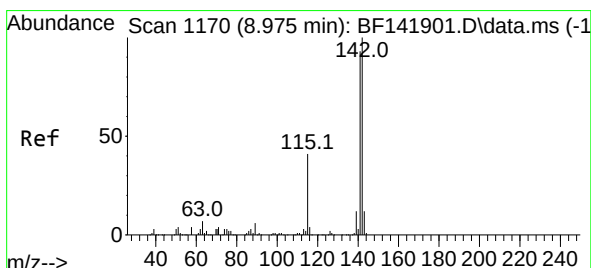
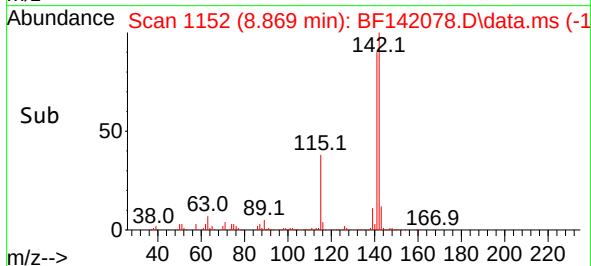
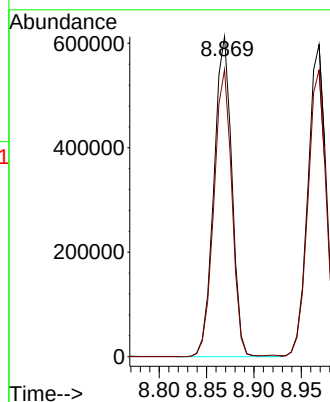
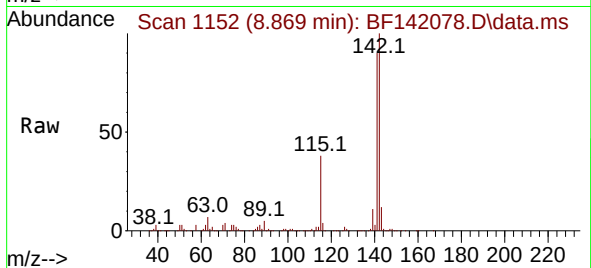
PB167254BS

Tgt Ion:142 Resp: 806451

Ion Ratio Lower Upper

142 100

141 89.7 71.2 106.8



#38

1-Methylnaphthalene

Concen: 42.756 ng

RT: 8.969 min Scan# 1169

Delta R.T. -0.006 min

Lab File: BF142078.D

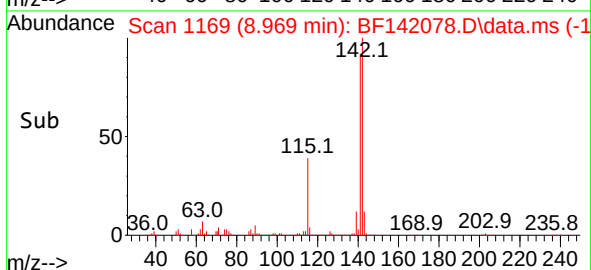
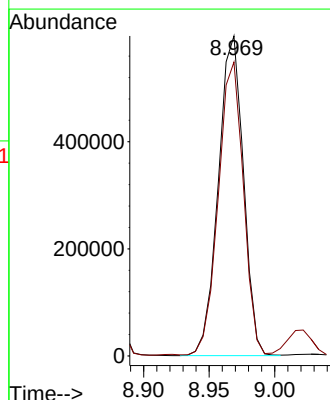
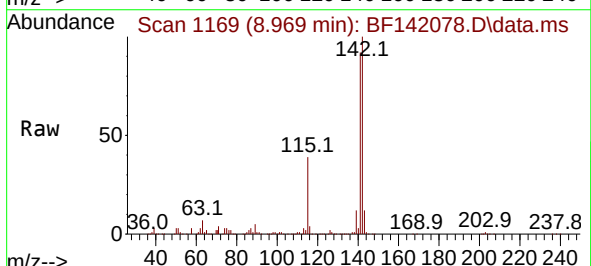
Acq: 25 Mar 2025 15:07

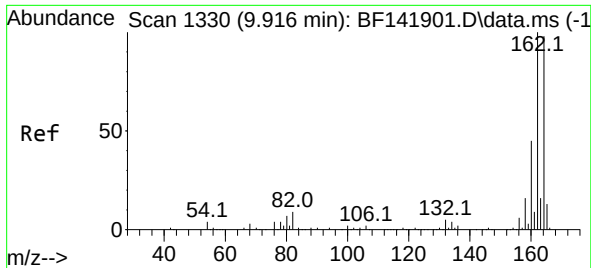
Tgt Ion:142 Resp: 793632

Ion Ratio Lower Upper

142 100

141 91.8 74.2 111.4

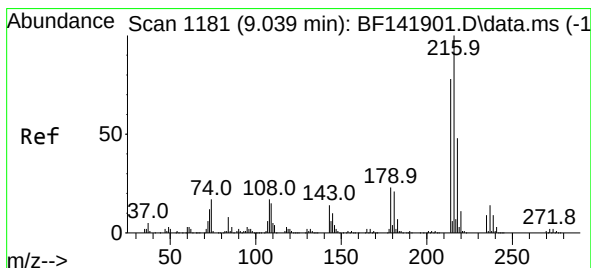
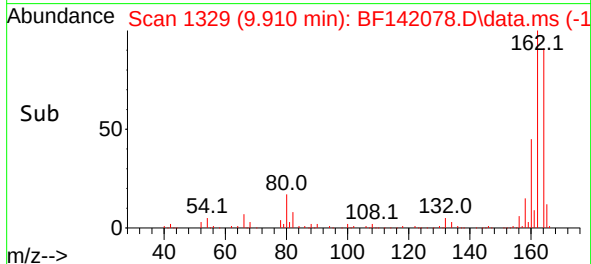
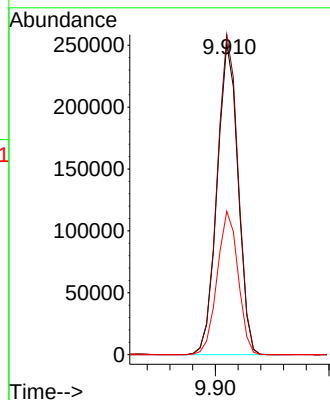
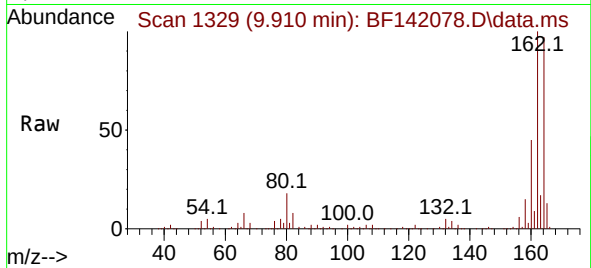




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

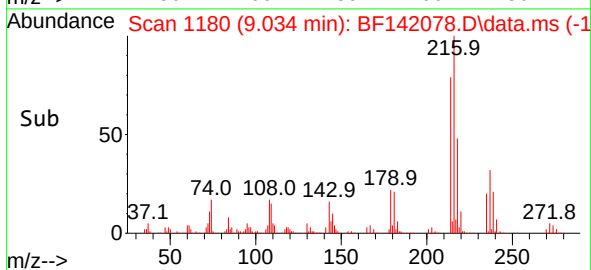
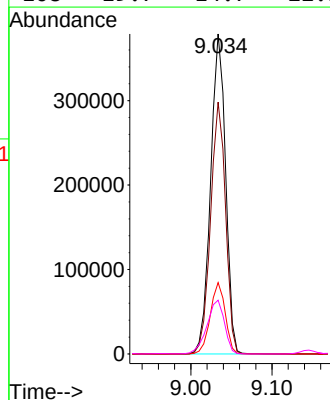
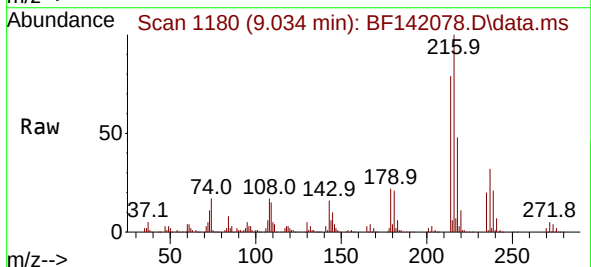
Instrument :
BNA_F
ClientSampleId :
PB167254BS

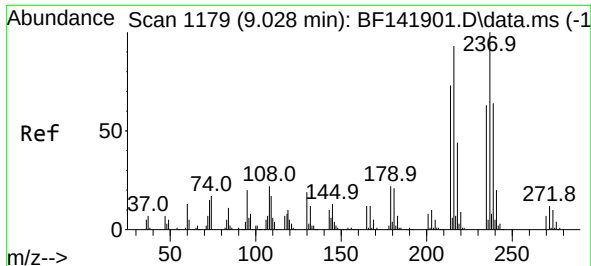
Tgt Ion:164 Resp: 321531
Ion Ratio Lower Upper
164 100
162 102.9 81.8 122.6
160 46.1 36.7 55.1



#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.525 ng
RT: 9.034 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

Tgt Ion:216 Resp: 484815
Ion Ratio Lower Upper
216 100
214 78.8 61.9 92.9
179 22.2 18.1 27.1
108 19.7 14.7 22.1

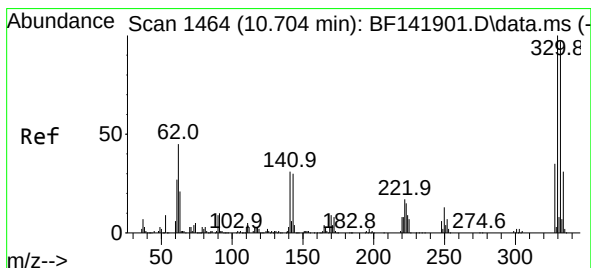
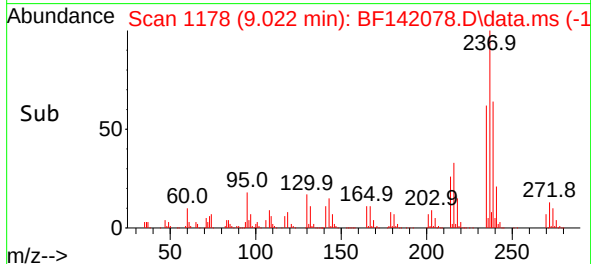
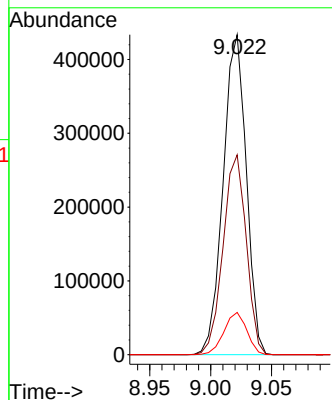
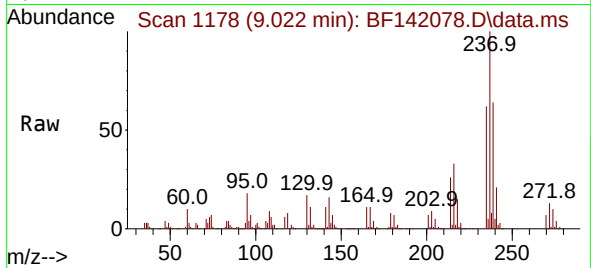




#41
Hexachlorocyclopentadiene
Concen: 149.611 ng
RT: 9.022 min Scan# 1179
Delta R.T. -0.006 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

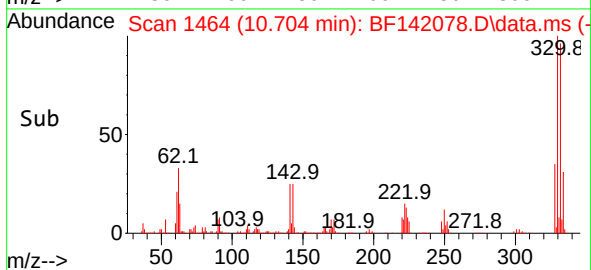
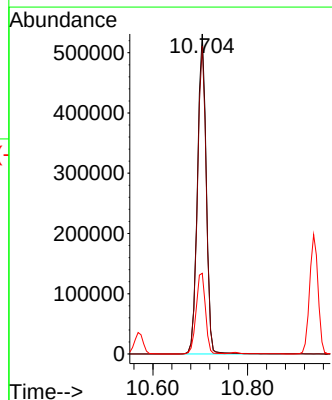
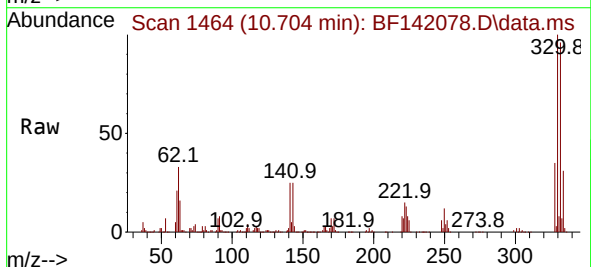
Instrument :
BNA_F
ClientSampleId :
PB167254BS

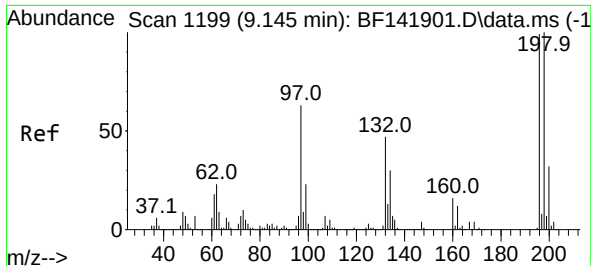
Tgt Ion:237 Resp: 573181
Ion Ratio Lower Upper
237 100
235 62.5 43.1 83.1
272 13.2 0.0 32.0



#42
2,4,6-Tribromophenol
Concen: 166.977 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

Tgt Ion:330 Resp: 681106
Ion Ratio Lower Upper
330 100
332 96.5 77.6 116.4
141 26.9 24.7 37.1

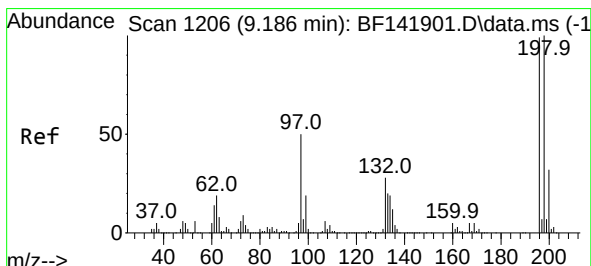
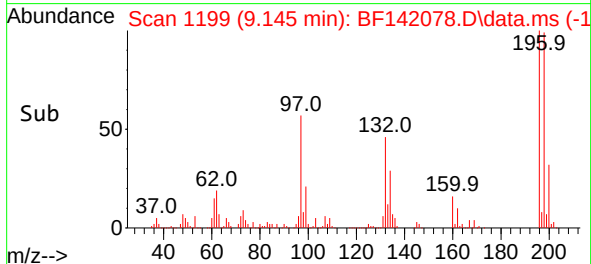
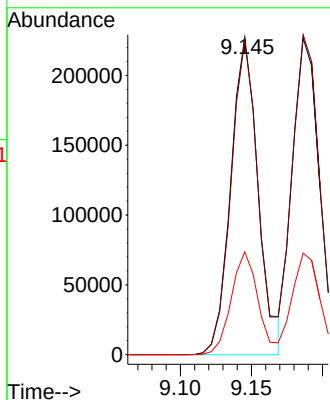
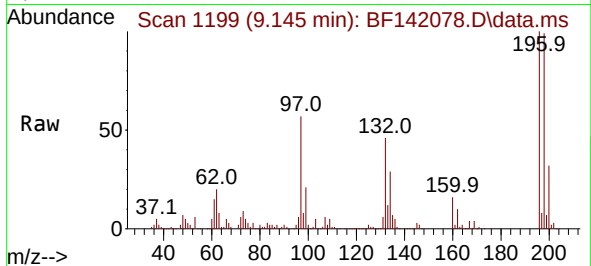




#43
2,4,6-Trichlorophenol
Concen: 47.458 ng
RT: 9.145 min Scan# 1199
Delta R.T. 0.000 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

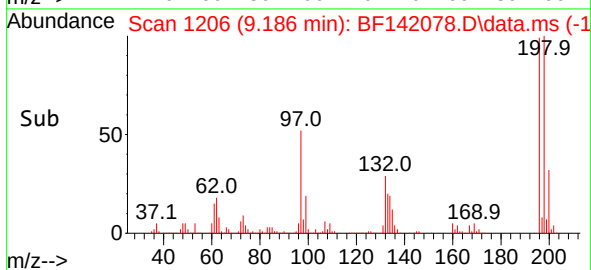
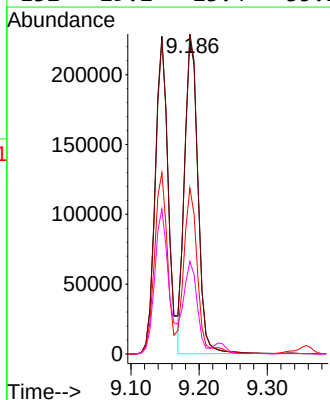
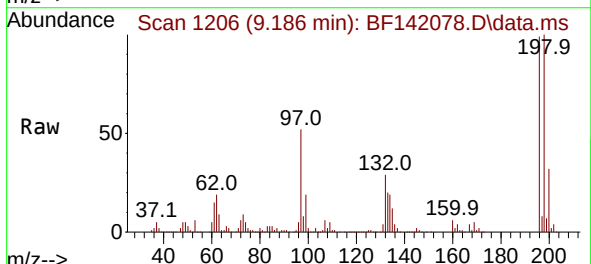
Instrument :
BNA_F
ClientSampleId :
PB167254BS

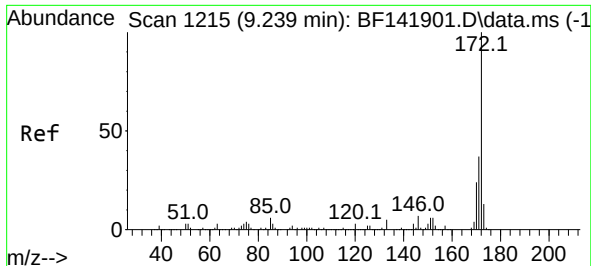
Tgt Ion:196 Resp: 303620
Ion Ratio Lower Upper
196 100
198 99.0 80.6 121.0
200 32.4 25.8 38.6



#44
2,4,5-Trichlorophenol
Concen: 47.315 ng
RT: 9.186 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

Tgt Ion:196 Resp: 306584
Ion Ratio Lower Upper
196 100
198 101.1 80.7 121.1
97 52.4 42.1 63.1
132 29.2 23.4 35.2

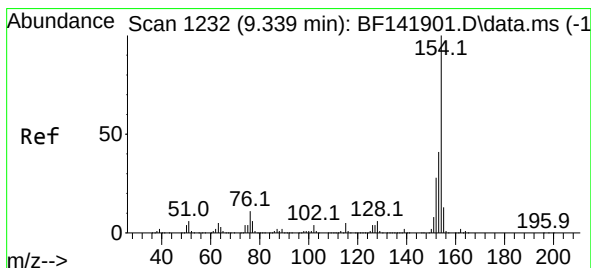
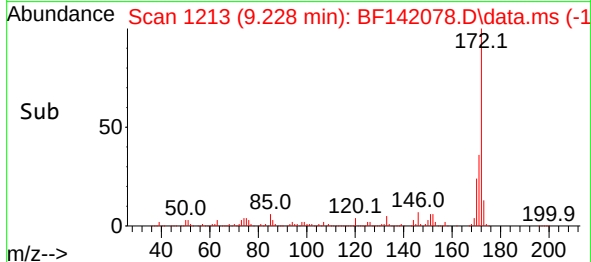
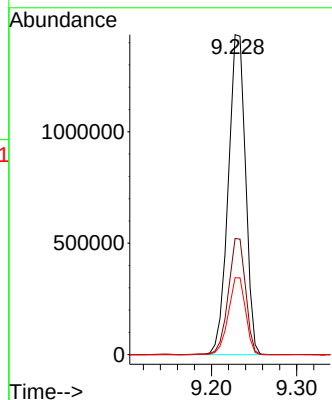
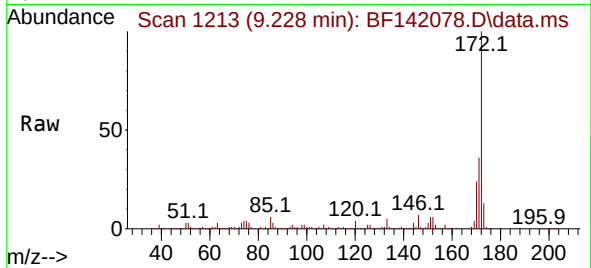




#45
2-Fluorobiphenyl
Concen: 95.507 ng
RT: 9.228 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

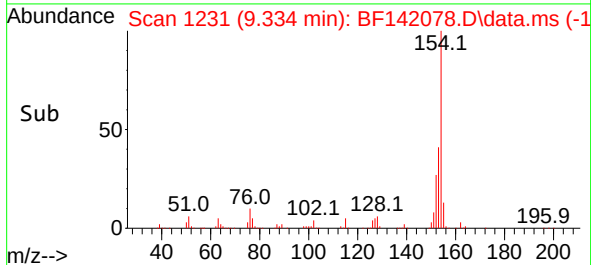
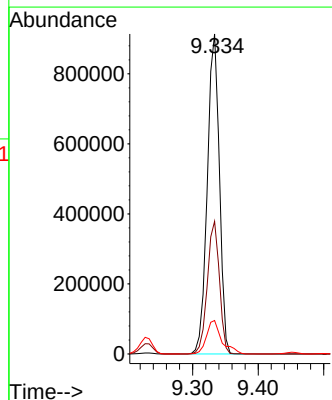
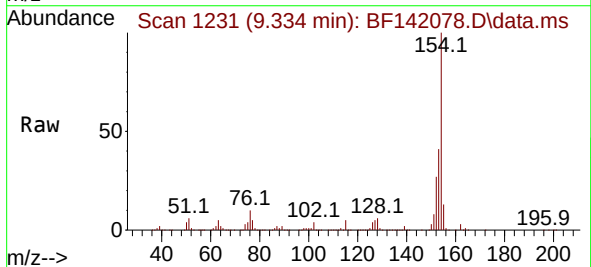
Instrument :
BNA_F
ClientSampleId :
PB167254BS

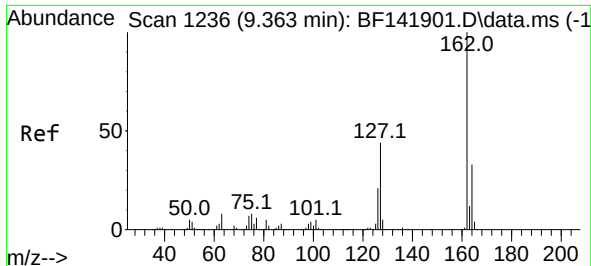
Tgt Ion:172 Resp: 2019216
Ion Ratio Lower Upper
172 100
171 36.3 29.3 43.9
170 24.1 19.4 29.0



#46
1,1'-Biphenyl
Concen: 47.943 ng
RT: 9.334 min Scan# 1231
Delta R.T. -0.006 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

Tgt Ion:154 Resp: 1171276
Ion Ratio Lower Upper
154 100
153 41.4 21.1 61.1
76 10.5 0.0 31.3





#47

2-Chloronaphthalene

Concen: 45.282 ng

RT: 9.357 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142078.D

Acq: 25 Mar 2025 15:07

Instrument :

BNA_F

ClientSampleId :

PB167254BS

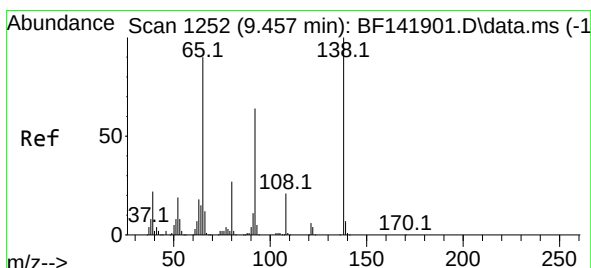
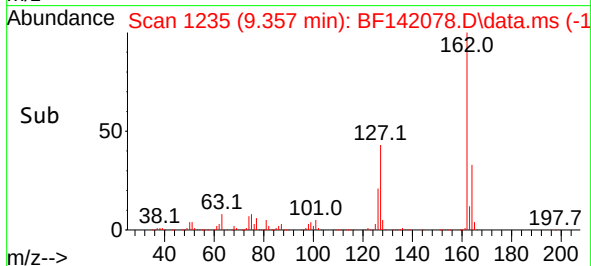
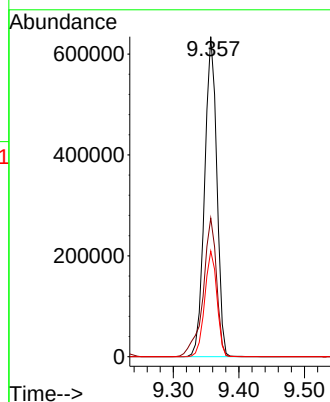
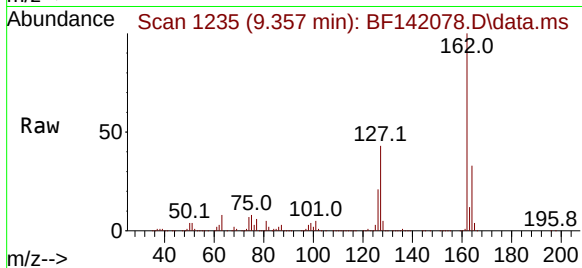
Tgt Ion:162 Resp: 824543

Ion Ratio Lower Upper

162 100

127 43.3 35.5 53.3

164 33.0 26.6 40.0



#48

2-Nitroaniline

Concen: 46.397 ng

RT: 9.451 min Scan# 1251

Delta R.T. -0.006 min

Lab File: BF142078.D

Acq: 25 Mar 2025 15:07

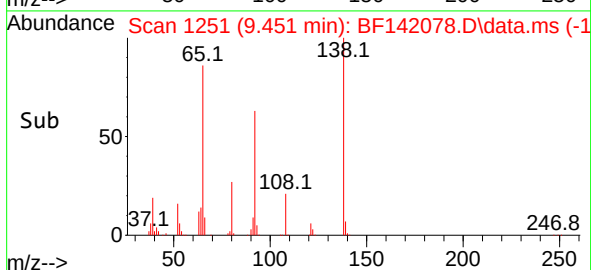
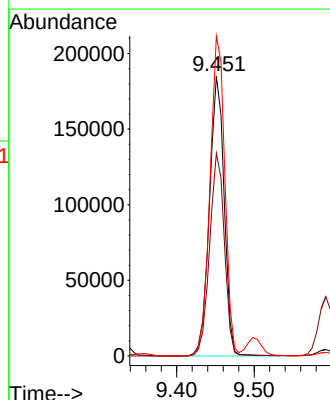
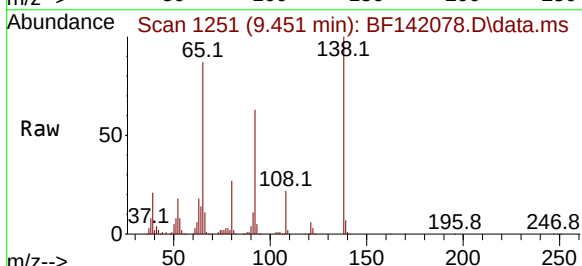
Tgt Ion: 65 Resp: 244621

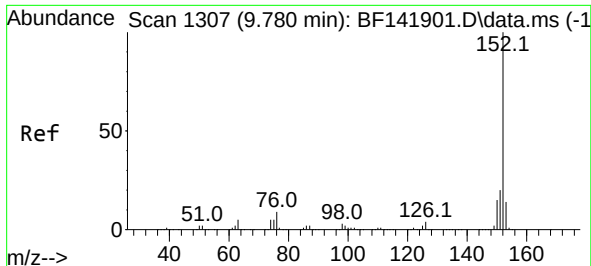
Ion Ratio Lower Upper

65 100

92 72.5 56.6 84.8

138 114.4 88.6 133.0

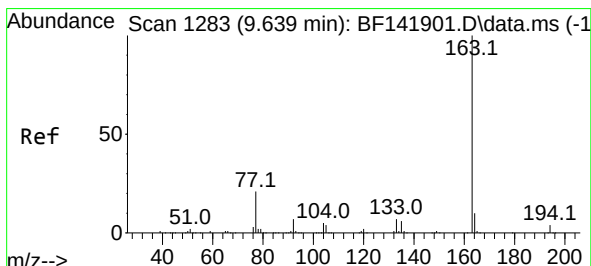
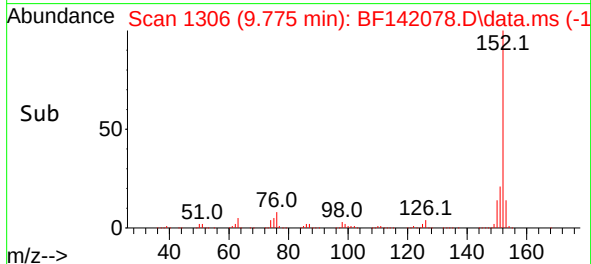
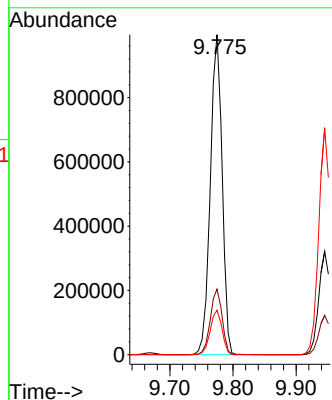
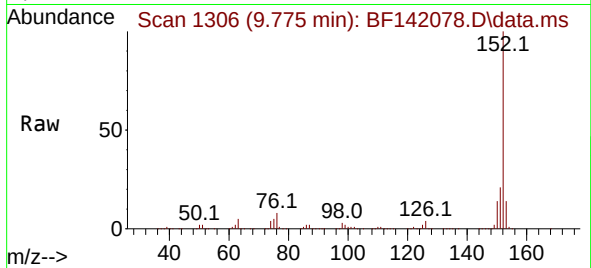




#49
Acenaphthylene
Concen: 47.733 ng
RT: 9.775 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

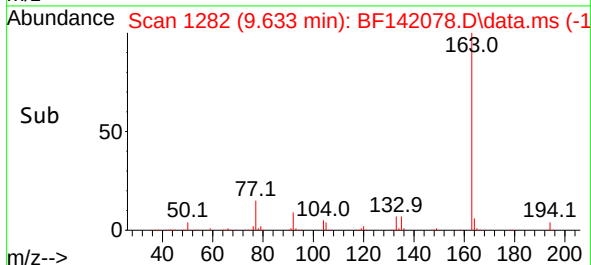
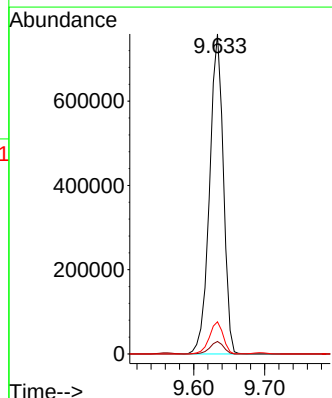
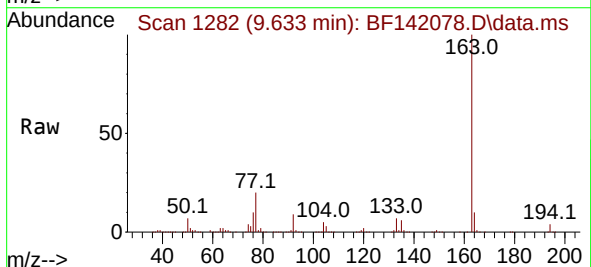
Instrument :
BNA_F
ClientSampleId :
PB167254BS

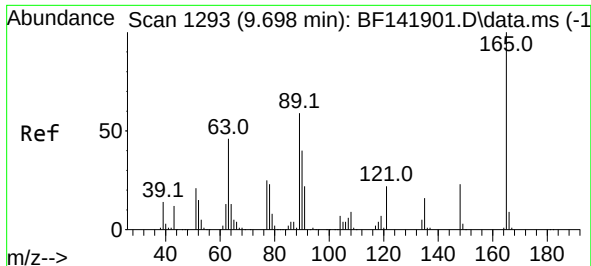
Tgt Ion:152 Resp: 1289842
Ion Ratio Lower Upper
152 100
151 20.5 16.3 24.5
153 13.9 11.1 16.7



#50
Dimethylphthalate
Concen: 45.529 ng
RT: 9.633 min Scan# 1282
Delta R.T. -0.006 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

Tgt Ion:163 Resp: 1025138
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 10.0 8.2 12.4

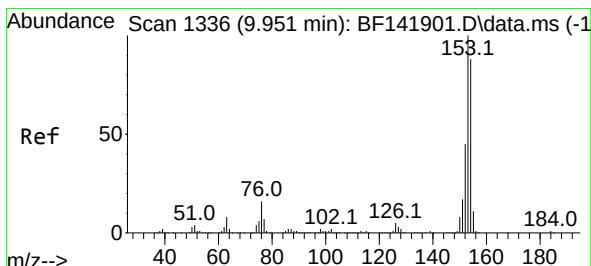
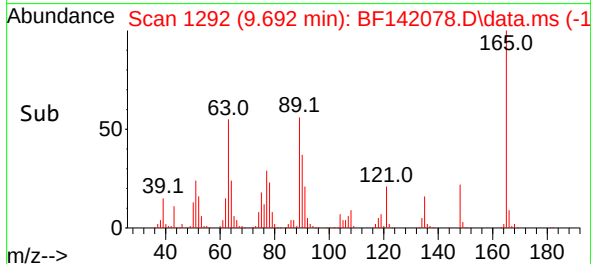
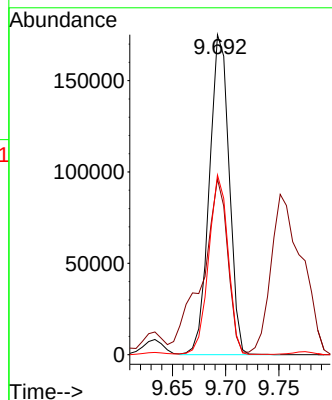
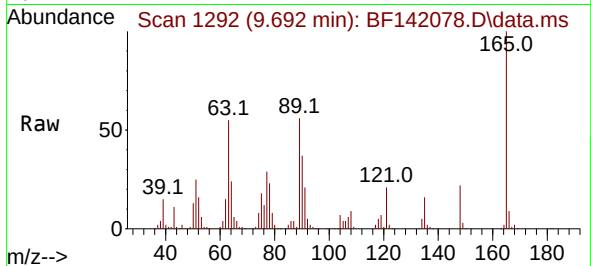




#51
2,6-Dinitrotoluene
Concen: 48.228 ng
RT: 9.692 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

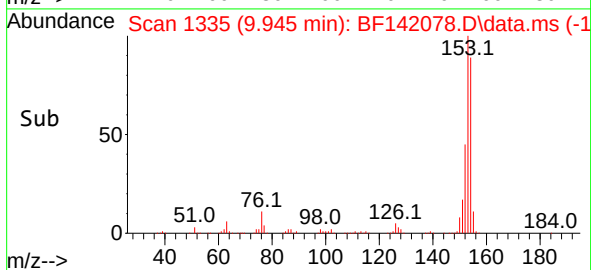
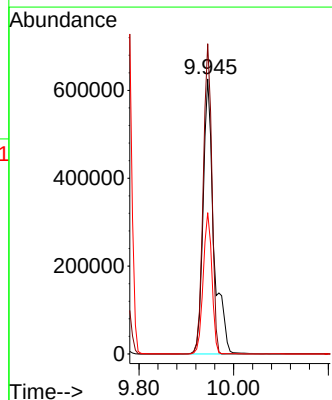
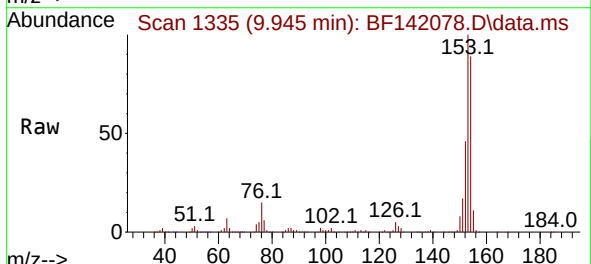
Instrument :
BNA_F
ClientSampleId :
PB167254BS

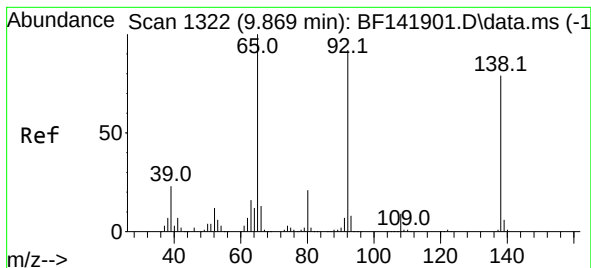
Tgt Ion:165 Resp: 226093
Ion Ratio Lower Upper
165 100
63 54.9 47.0 70.4
89 56.2 47.4 71.2



#52
Acenaphthene
Concen: 51.455 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

Tgt Ion:154 Resp: 977111
Ion Ratio Lower Upper
154 100
153 112.8 90.7 136.1
152 51.4 41.1 61.7





#53

3-Nitroaniline

Concen: 30.048 ng

RT: 9.863 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142078.D

Acq: 25 Mar 2025 15:07

Instrument :

BNA_F

ClientSampleId :

PB167254BS

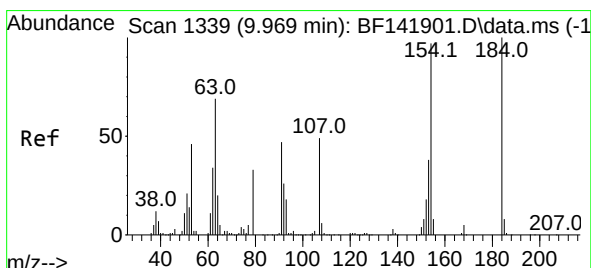
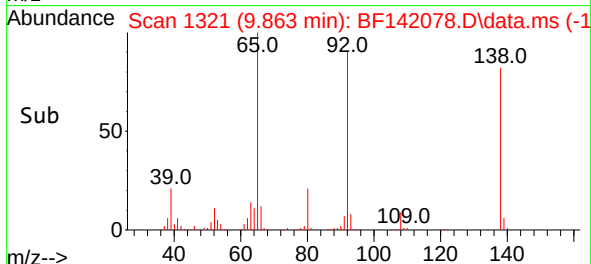
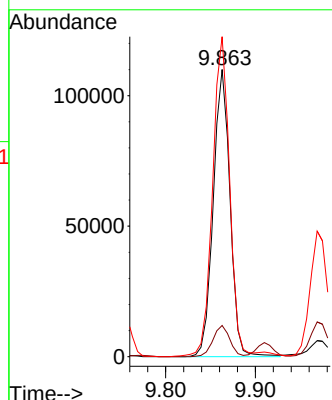
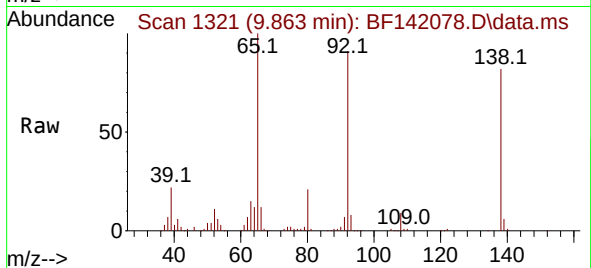
Tgt Ion:138 Resp: 142889

Ion Ratio Lower Upper

138 100

108 10.9 9.3 13.9

92 111.4 93.5 140.3



#54

2,4-Dinitrophenol

Concen: 97.541 ng

RT: 9.969 min Scan# 1339

Delta R.T. -0.000 min

Lab File: BF142078.D

Acq: 25 Mar 2025 15:07

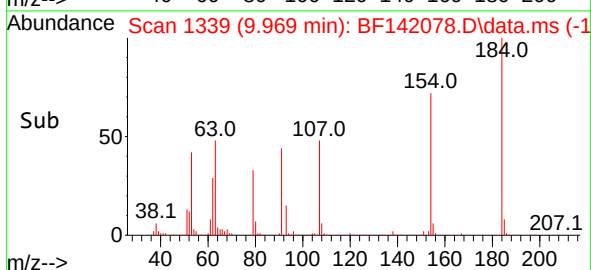
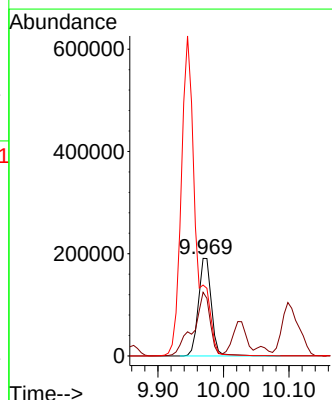
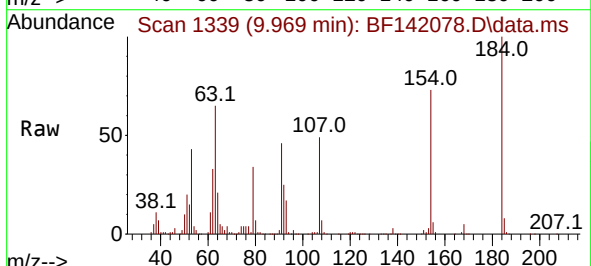
Tgt Ion:184 Resp: 263996

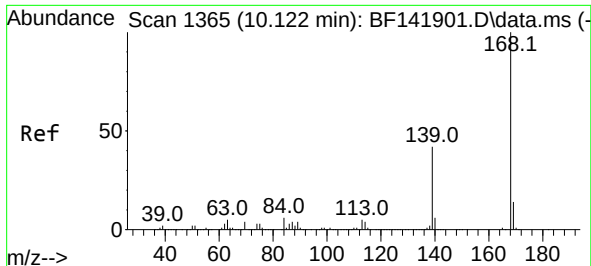
Ion Ratio Lower Upper

184 100

63 65.4 60.2 90.4

154 72.6 132.9 199.3#

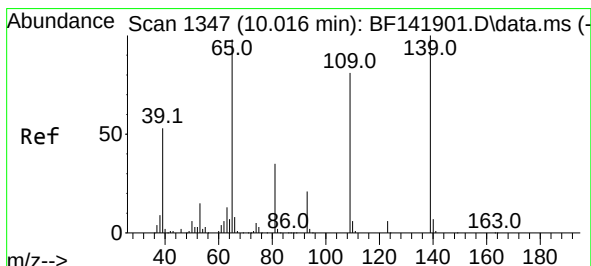
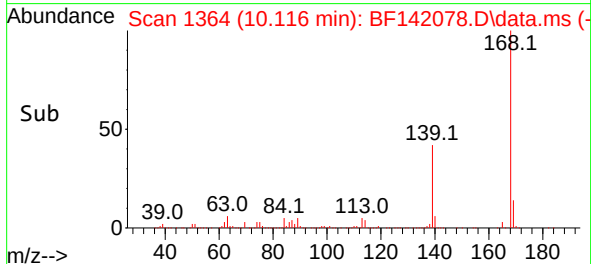
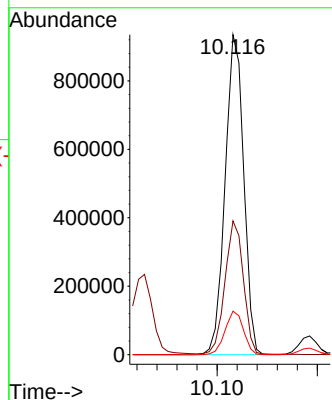
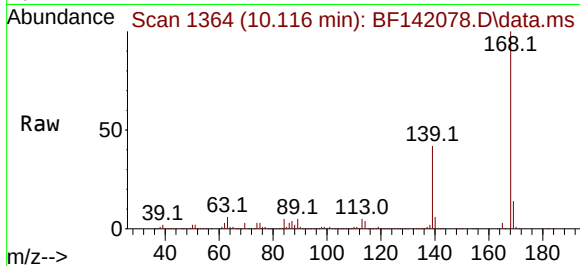




#55
Dibenzenofuran
Concen: 44.208 ng
RT: 10.116 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

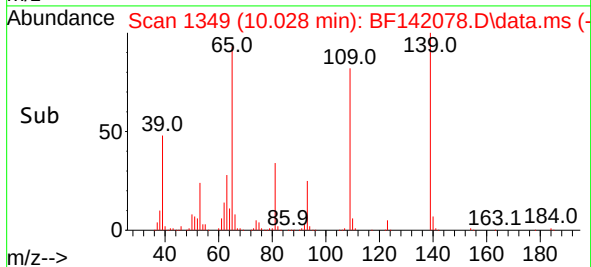
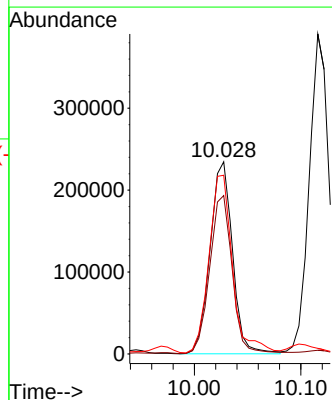
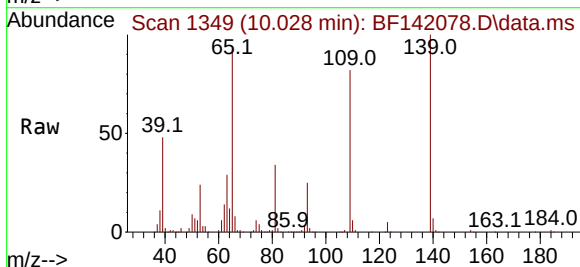
Instrument :
BNA_F
ClientSampleId :
PB167254BS

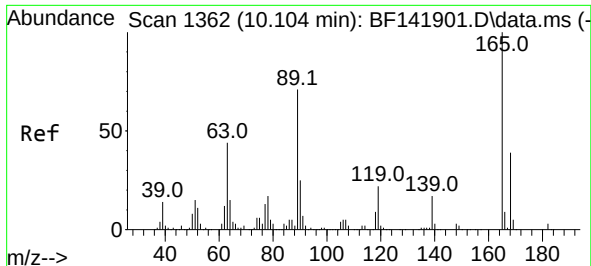
Tgt Ion:168 Resp: 1199543
Ion Ratio Lower Upper
168 100
139 41.8 33.9 50.9
169 13.6 11.0 16.4



#56
4-Nitrophenol
Concen: 95.492 ng
RT: 10.028 min Scan# 1349
Delta R.T. 0.012 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

Tgt Ion:139 Resp: 342454
Ion Ratio Lower Upper
139 100
109 82.4 61.6 101.6
65 93.0 79.4 119.4

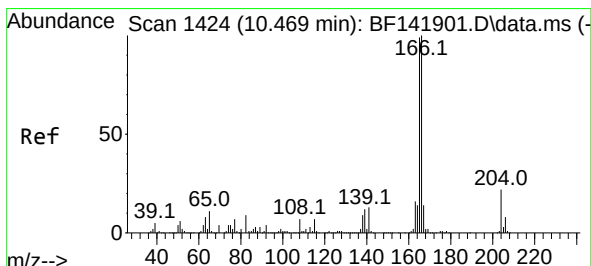
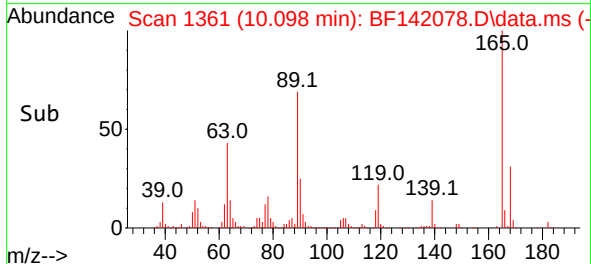
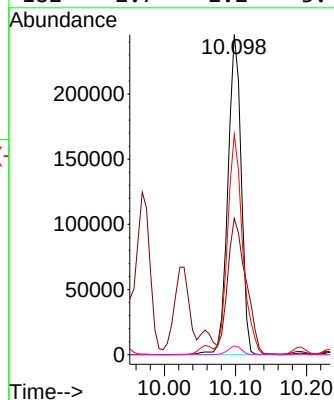
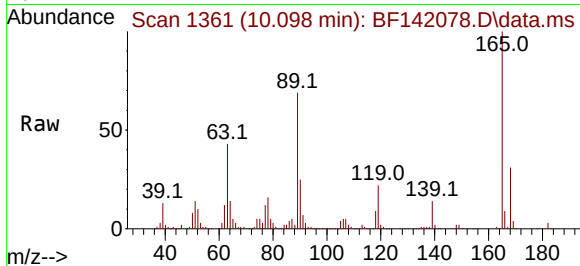




#57
2,4-Dinitrotoluene
Concen: 52.091 ng
RT: 10.098 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

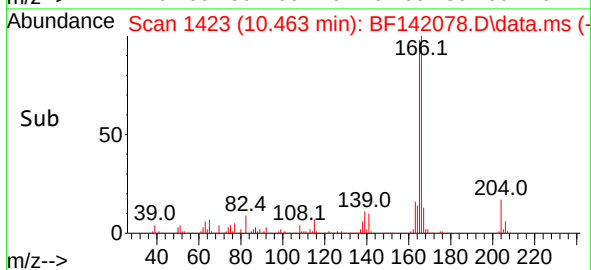
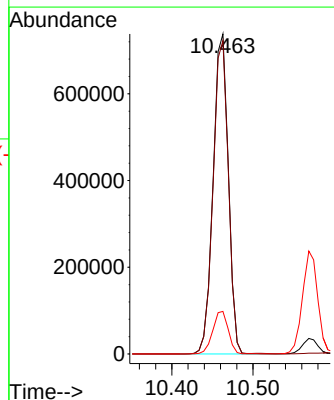
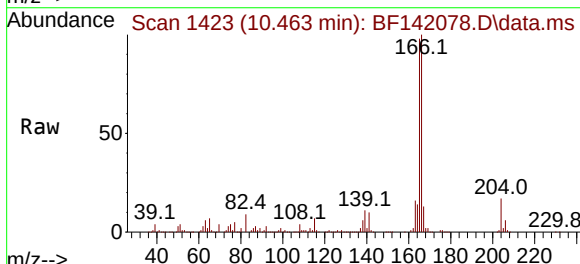
Instrument :
BNA_F
ClientSampleId :
PB167254BS

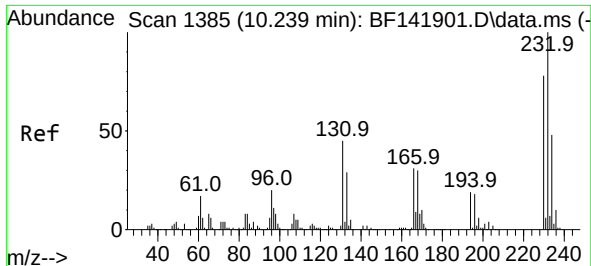
Tgt Ion:165 Resp: 318954
Ion Ratio Lower Upper
165 100
63 42.6 35.4 53.2
89 68.8 56.6 84.8
182 2.7 2.2 3.4



#58
Fluorene
Concen: 45.909 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

Tgt Ion:166 Resp: 960647
Ion Ratio Lower Upper
166 100
165 97.9 79.0 118.4
167 13.3 11.0 16.4

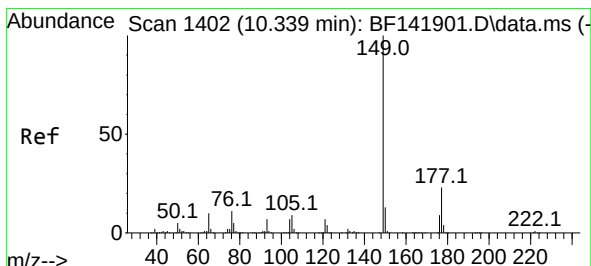
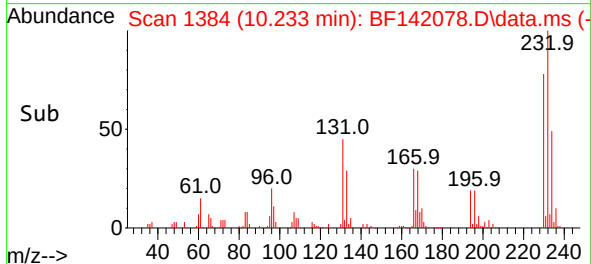
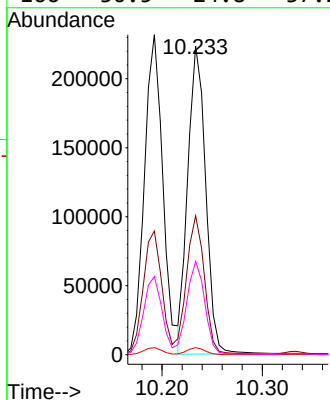
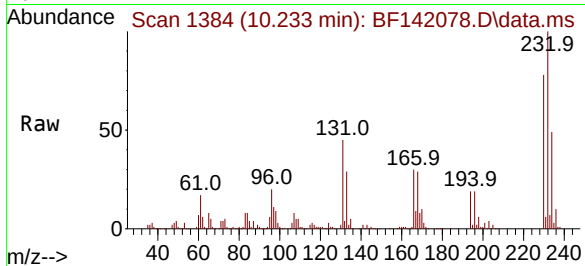




#59
2,3,4,6-Tetrachlorophenol
Concen: 46.831 ng
RT: 10.233 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

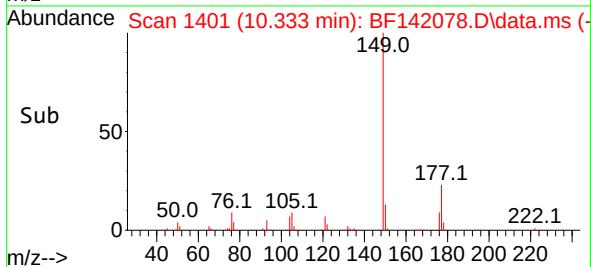
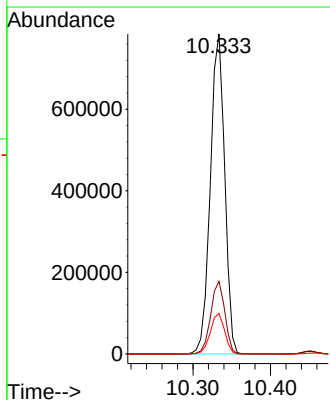
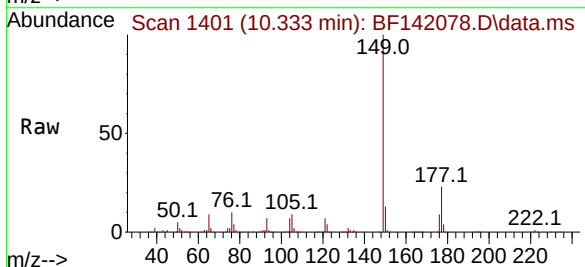
Instrument :
BNA_F
ClientSampleId :
PB167254BS

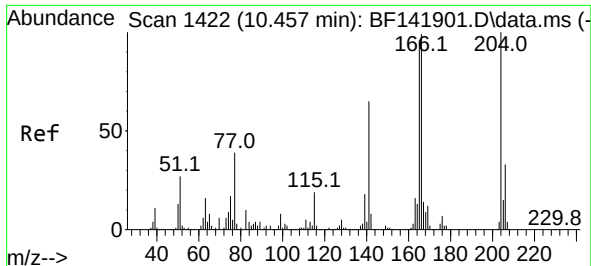
Tgt Ion:232 Resp: 276126
Ion Ratio Lower Upper
232 100
131 46.0 37.3 55.9
130 2.4 1.9 2.9
166 30.5 24.8 37.2



#60
Diethylphthalate
Concen: 44.968 ng
RT: 10.333 min Scan# 1401
Delta R.T. -0.006 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

Tgt Ion:149 Resp: 1009592
Ion Ratio Lower Upper
149 100
177 22.7 18.0 27.0
150 12.6 10.2 15.4

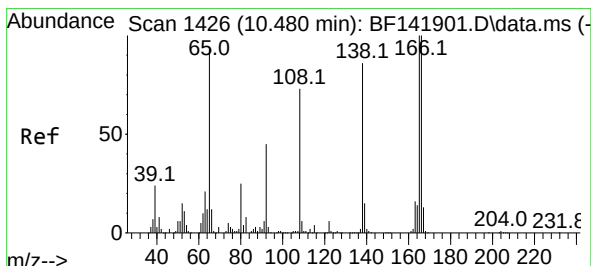
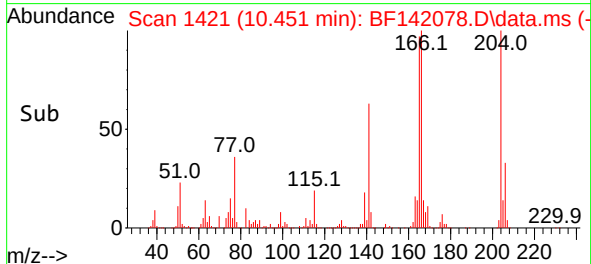
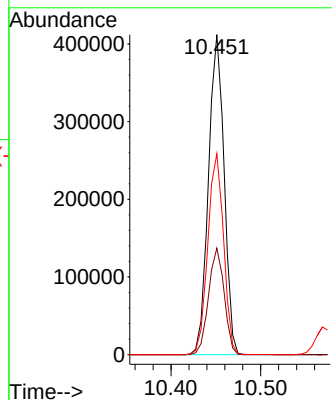
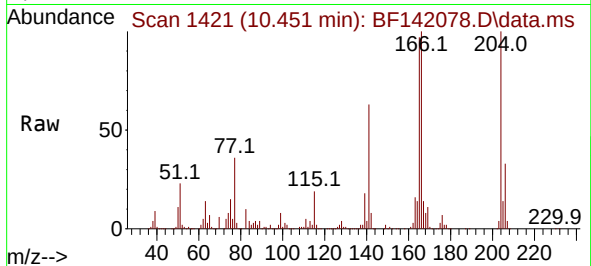




#61
4-Chlorophenyl-phenylether
Concen: 45.705 ng
RT: 10.451 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

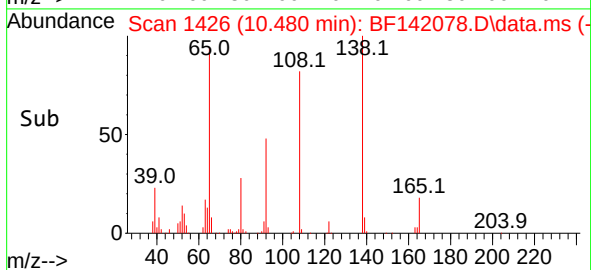
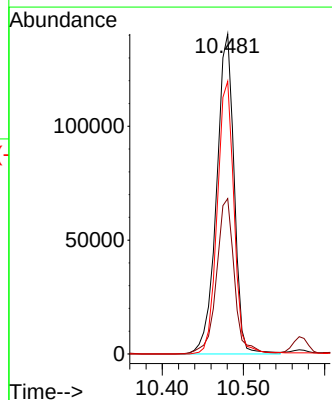
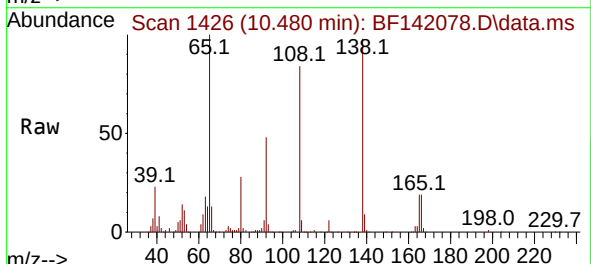
Instrument :
BNA_F
ClientSampleId :
PB167254BS

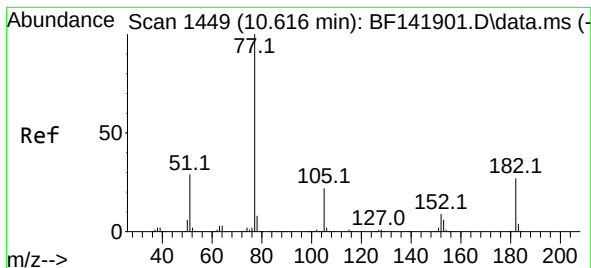
Tgt Ion:204 Resp: 498601
Ion Ratio Lower Upper
204 100
206 33.3 26.8 40.2
141 62.8 52.4 78.6



#62
4-Nitroaniline
Concen: 45.721 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

Tgt Ion:138 Resp: 211671
Ion Ratio Lower Upper
138 100
92 48.5 32.6 72.6
108 85.2 65.0 105.0





#63

Azobenzene

Concen: 42.535 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF142078.D

Acq: 25 Mar 2025 15:07

Instrument :

BNA_F

ClientSampleId :

PB167254BS

Tgt Ion: 77 Resp: 887847

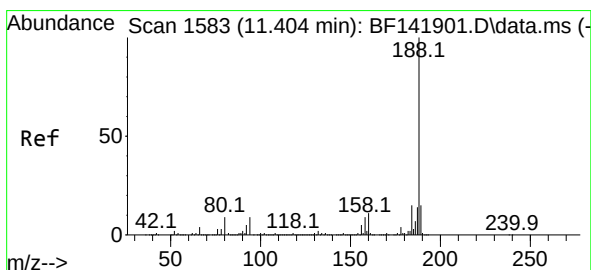
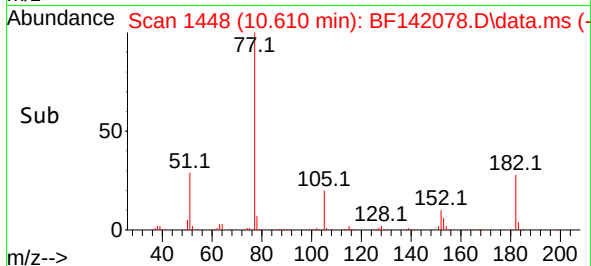
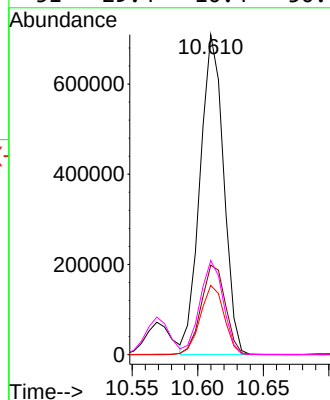
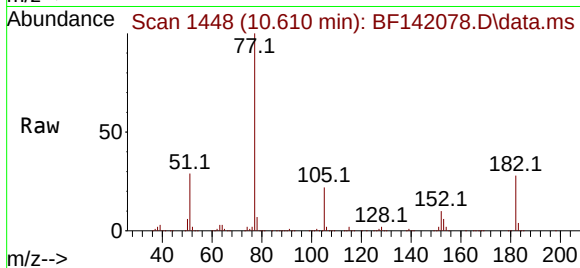
Ion Ratio Lower Upper

77 100

182 28.0 6.6 46.6

105 21.7 1.3 41.3

51 29.4 10.4 50.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.006 min

Lab File: BF142078.D

Acq: 25 Mar 2025 15:07

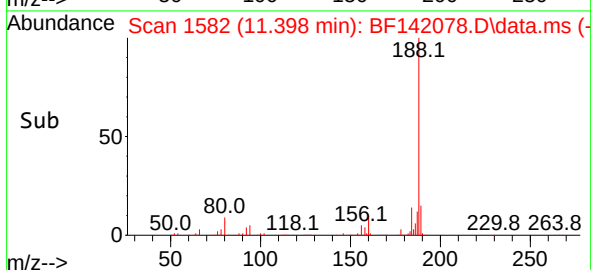
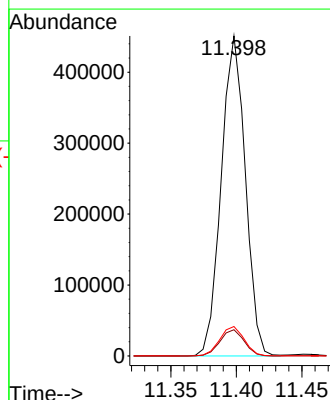
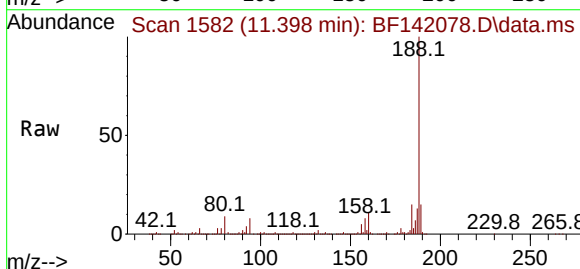
Tgt Ion: 188 Resp: 576228

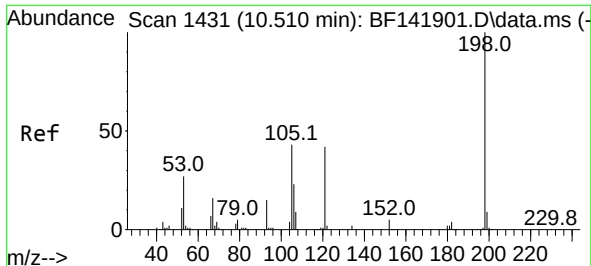
Ion Ratio Lower Upper

188 100

94 8.2 6.8 10.2

80 9.2 7.6 11.4

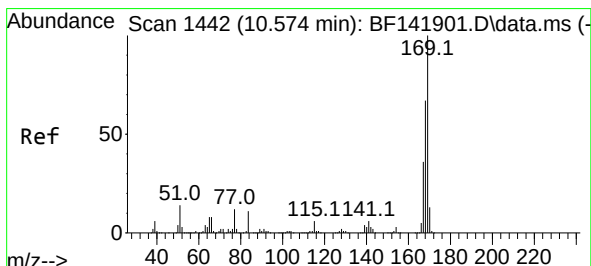
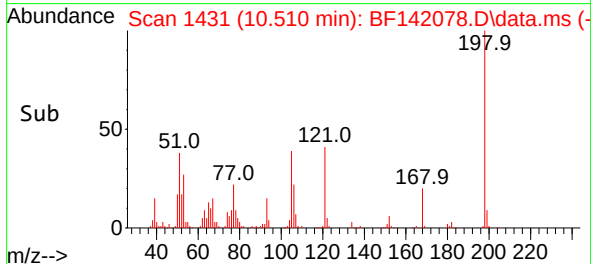
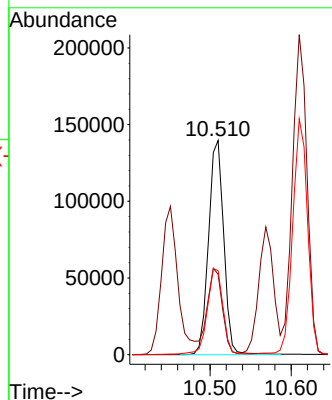
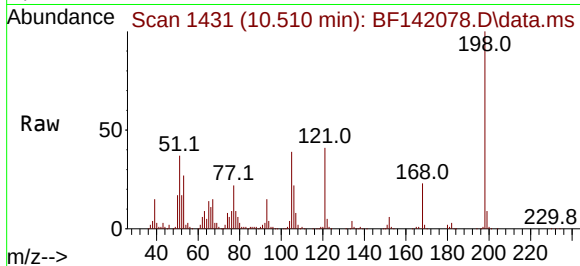




#65
4,6-Dinitro-2-methylphenol
Concen: 52.598 ng
RT: 10.510 min Scan# 1431
Delta R.T. -0.000 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

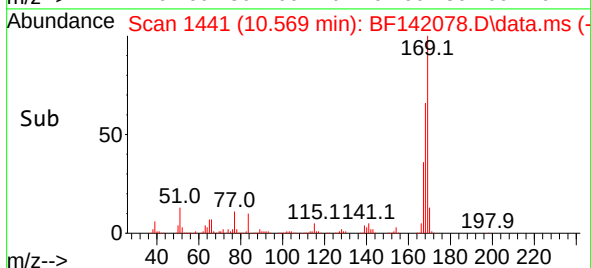
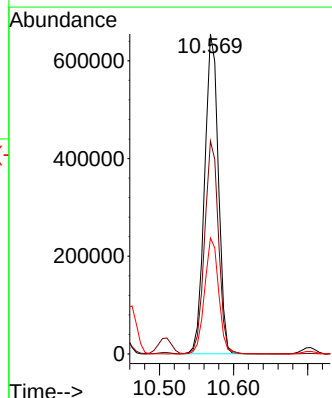
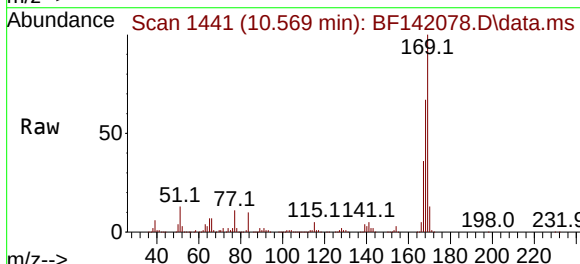
Instrument :
BNA_F
ClientSampleId :
PB167254BS

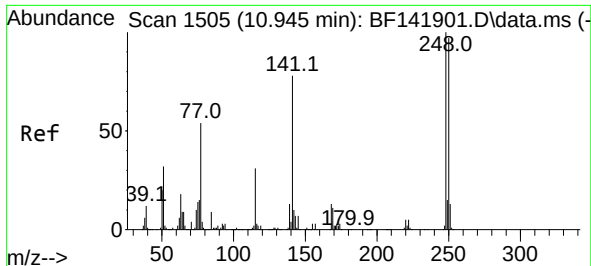
Tgt Ion:198 Resp: 180681
Ion Ratio Lower Upper
198 100
51 37.5 22.3 62.3
105 39.2 23.0 63.0



#66
n-Nitrosodiphenylamine
Concen: 45.269 ng
RT: 10.569 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

Tgt Ion:169 Resp: 844130
Ion Ratio Lower Upper
169 100
168 66.6 53.7 80.5
167 36.3 29.2 43.8

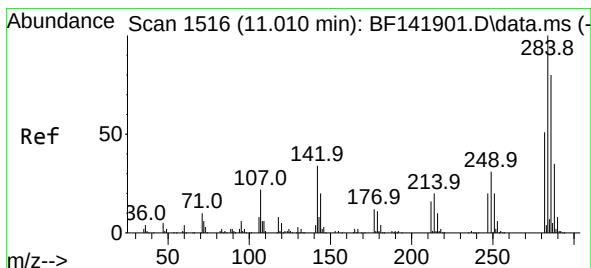
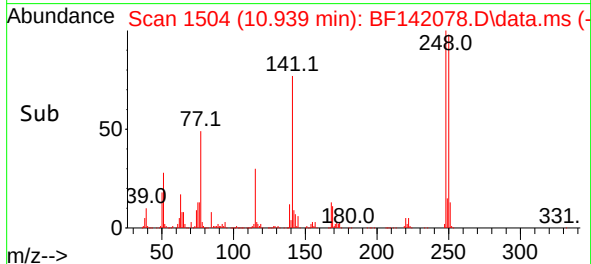
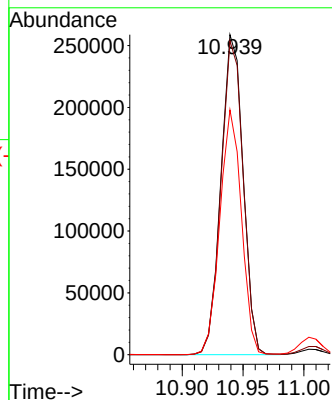
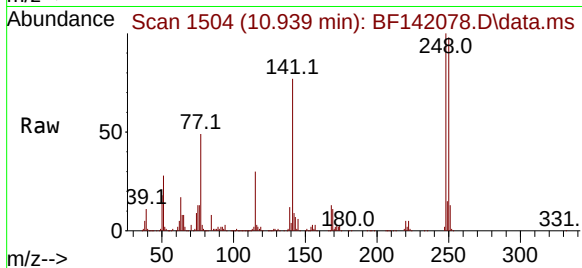




#67
4-Bromophenyl-phenylether
Concen: 45.304 ng
RT: 10.939 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

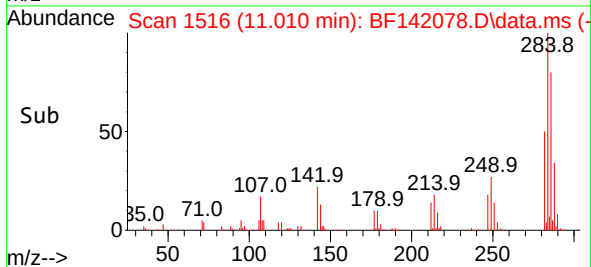
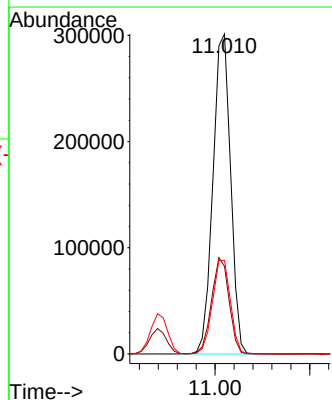
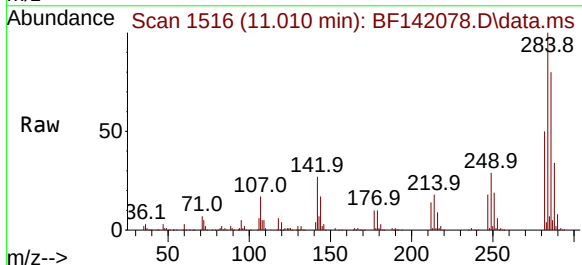
Instrument :
BNA_F
ClientSampleId :
PB167254BS

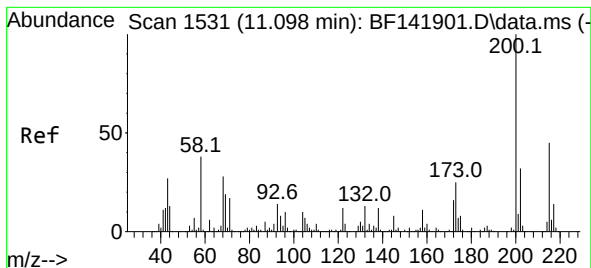
Tgt Ion:248 Resp: 327857
Ion Ratio Lower Upper
248 100
250 98.0 77.8 116.8
141 76.5 62.6 93.8



#68
Hexachlorobenzene
Concen: 49.244 ng
RT: 11.010 min Scan# 1516
Delta R.T. 0.000 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

Tgt Ion:284 Resp: 390852
Ion Ratio Lower Upper
284 100
142 27.4 27.0 40.6
249 29.3 25.2 37.8





#69

Atrazine

Concen: 61.348 ng

RT: 11.098 min Scan# 1531

Delta R.T. 0.000 min

Lab File: BF142078.D

Acq: 25 Mar 2025 15:07

Instrument :

BNA_F

ClientSampleId :

PB167254BS

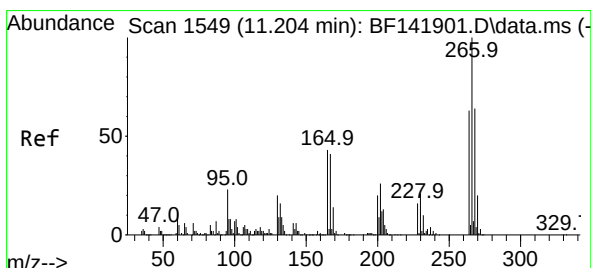
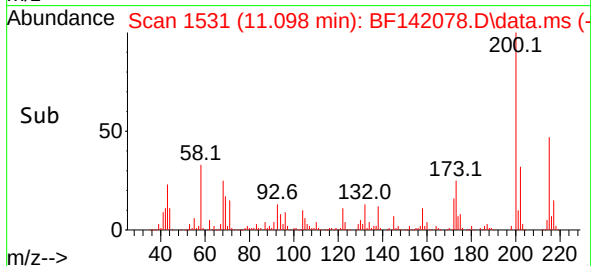
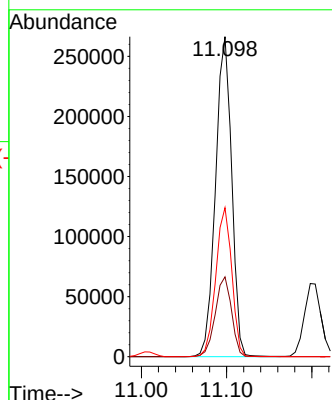
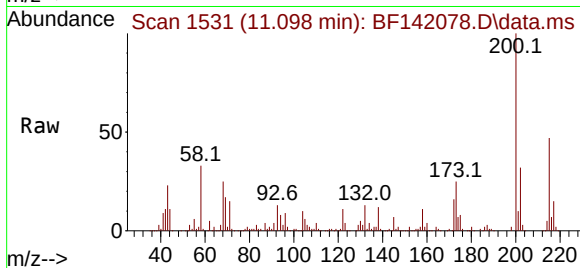
Tgt Ion:200 Resp: 350688

Ion Ratio Lower Upper

200 100

173 25.0 4.7 44.7

215 46.6 25.4 65.4



#70

Pentachlorophenol

Concen: 93.990 ng

RT: 11.204 min Scan# 1549

Delta R.T. 0.000 min

Lab File: BF142078.D

Acq: 25 Mar 2025 15:07

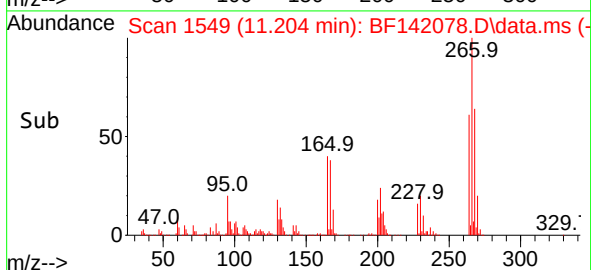
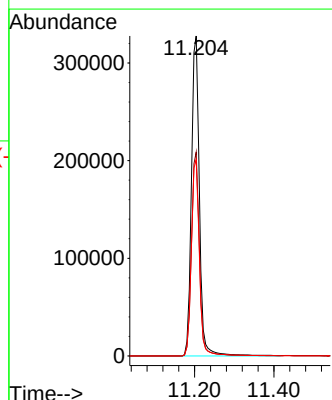
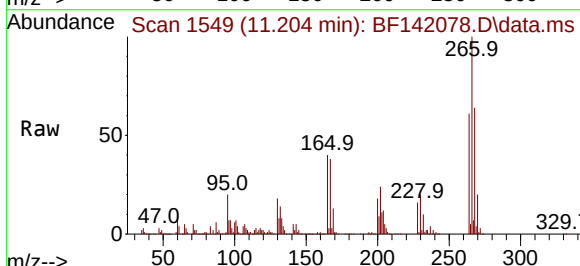
Tgt Ion:266 Resp: 459633

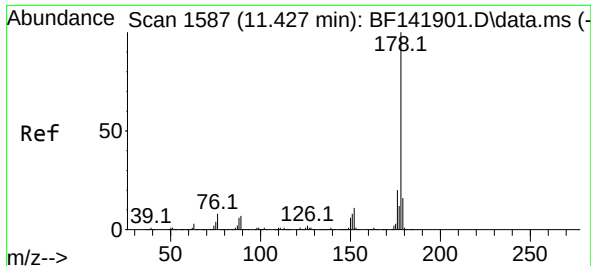
Ion Ratio Lower Upper

266 100

268 63.7 51.0 76.6

264 61.4 50.2 75.2

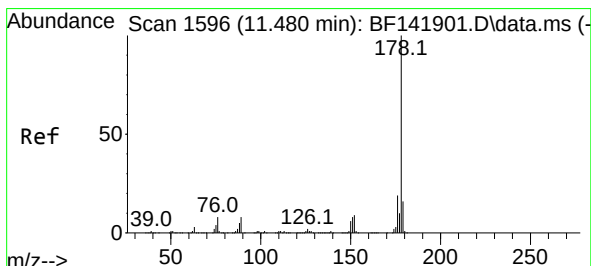
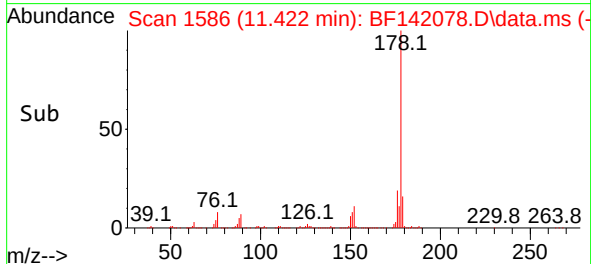
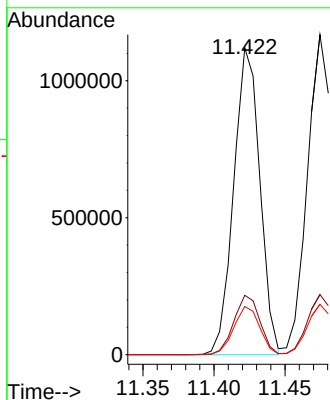
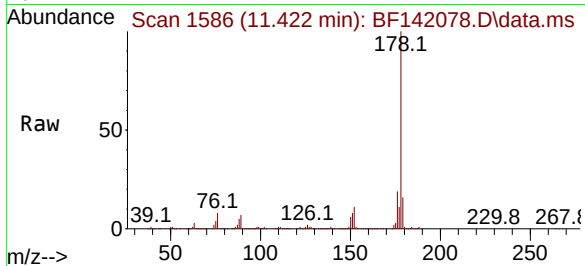




#71
Phenanthrene
Concen: 46.059 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

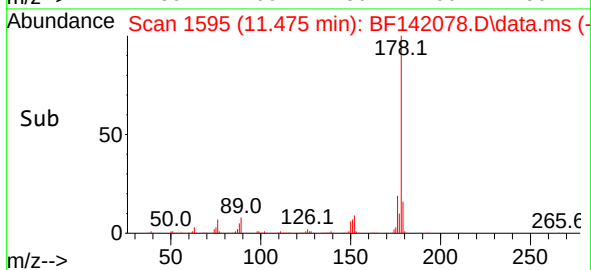
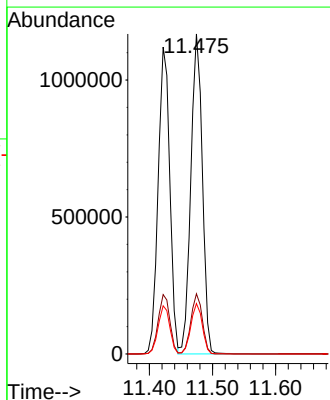
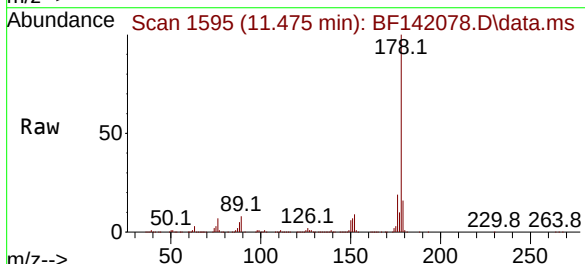
Instrument :
BNA_F
ClientSampleId :
PB167254BS

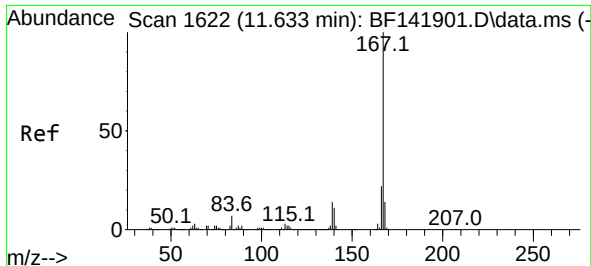
Tgt Ion:178 Resp: 1433523
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 15.7 12.6 19.0



#72
Anthracene
Concen: 47.305 ng
RT: 11.475 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

Tgt Ion:178 Resp: 1477126
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 15.8 12.6 19.0

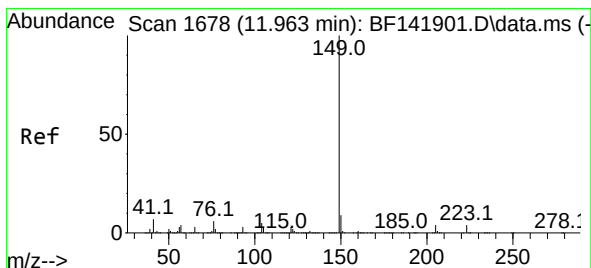
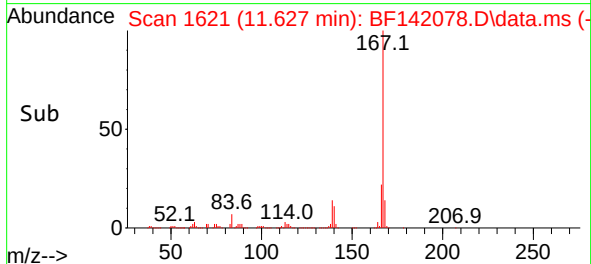
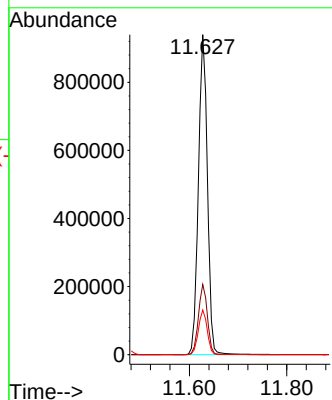
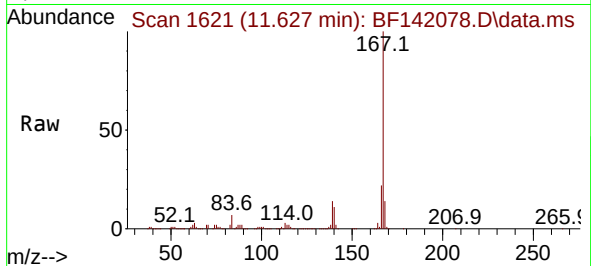




#73
 Carbazole
 Concen: 45.118 ng
 RT: 11.627 min Scan# 1621
 Delta R.T. -0.006 min
 Lab File: BF142078.D
 Acq: 25 Mar 2025 15:07

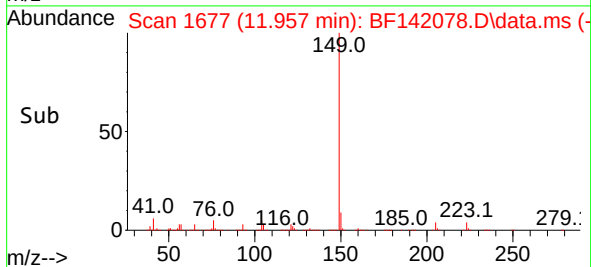
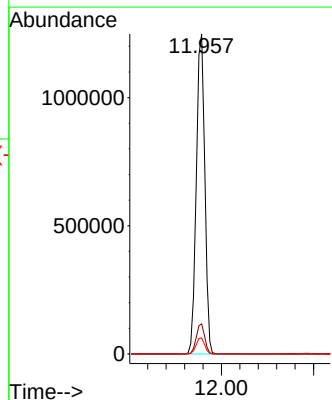
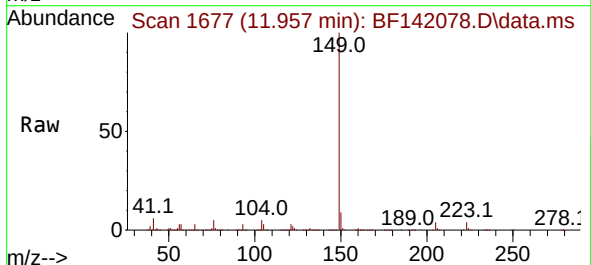
Instrument :
 BNA_F
 ClientSampleId :
 PB167254BS

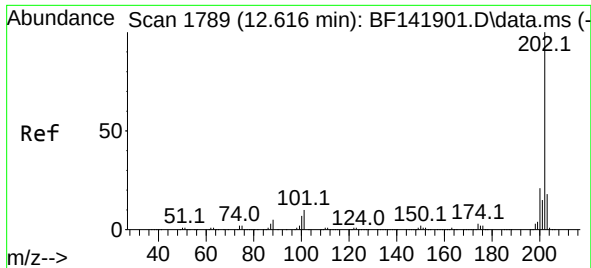
Tgt Ion:167 Resp: 1214986
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.4 26.2
 139 13.9 11.0 16.6



#74
 Di-n-butylphthalate
 Concen: 44.457 ng
 RT: 11.957 min Scan# 1677
 Delta R.T. -0.006 min
 Lab File: BF142078.D
 Acq: 25 Mar 2025 15:07

Tgt Ion:149 Resp: 1588545
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.6 11.4
 104 5.0 4.4 6.6

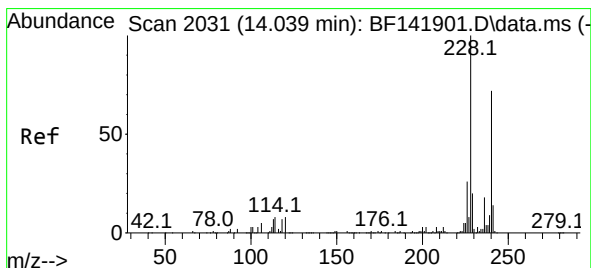
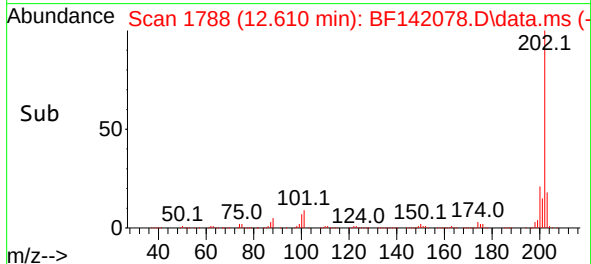
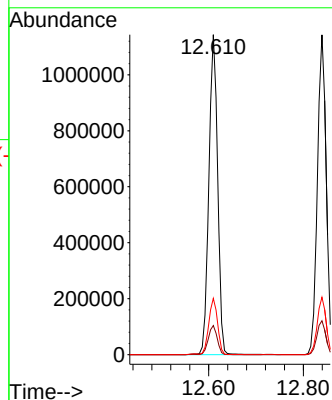
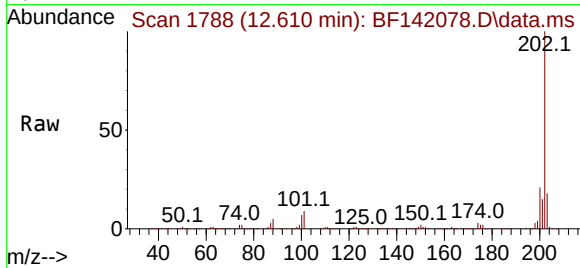




#75
Fluoranthene
Concen: 44.704 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

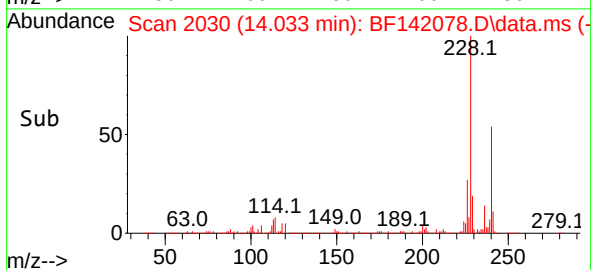
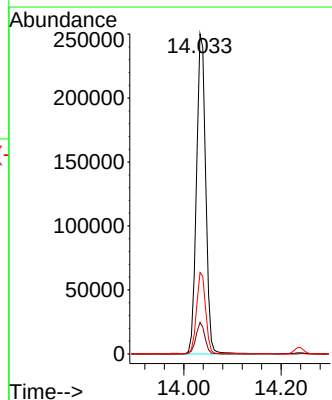
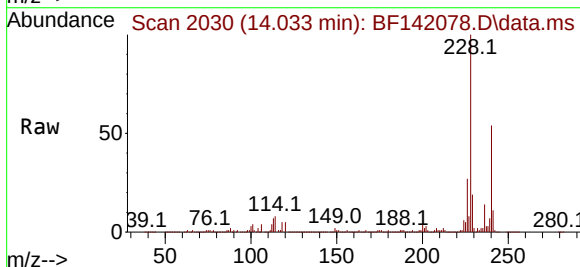
Instrument :
BNA_F
ClientSampleId :
PB167254BS

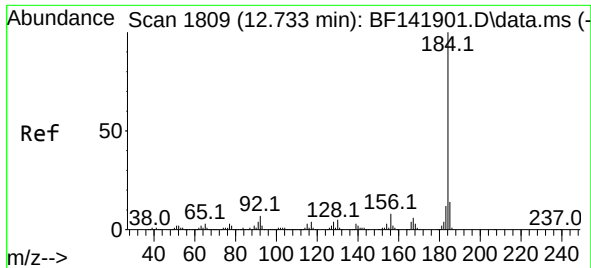
Tgt Ion:202 Resp: 1475898
Ion Ratio Lower Upper
202 100
101 9.1 0.0 29.7
203 17.6 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

Tgt Ion:240 Resp: 331995
Ion Ratio Lower Upper
240 100
120 9.8 8.4 12.6
236 25.4 20.5 30.7

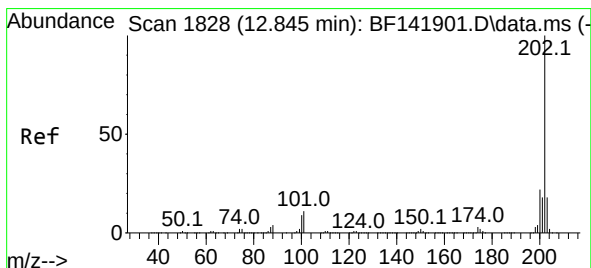
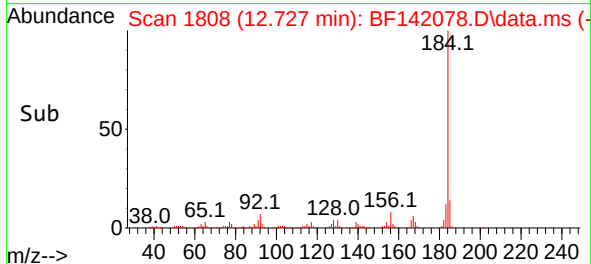
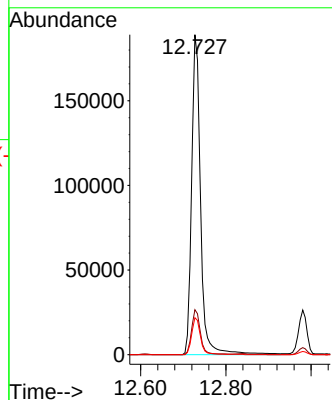
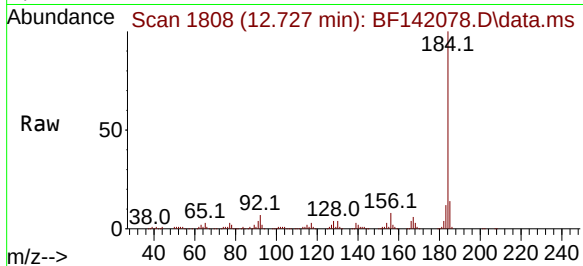




#77
Benzidine
Concen: 59.733 ng
RT: 12.727 min Scan# 1808
Delta R.T. -0.006 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

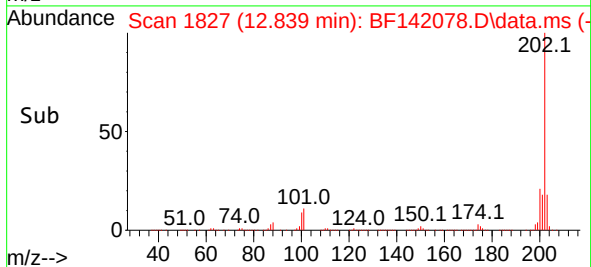
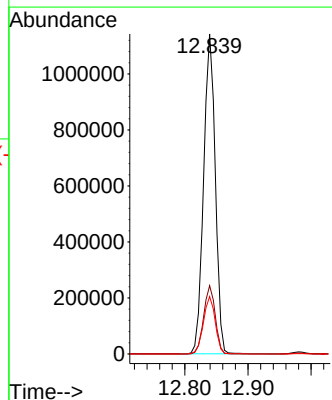
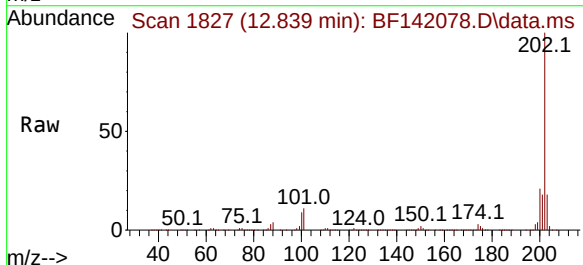
Instrument :
BNA_F
ClientSampleId :
PB167254BS

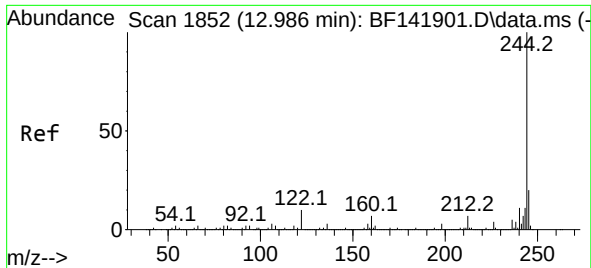
Tgt Ion:184 Resp: 276682
Ion Ratio Lower Upper
184 100
185 14.1 11.5 17.3
183 11.6 9.7 14.5



#78
Pyrene
Concen: 51.013 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

Tgt Ion:202 Resp: 1465000
Ion Ratio Lower Upper
202 100
200 21.4 17.3 25.9
203 18.0 14.4 21.6

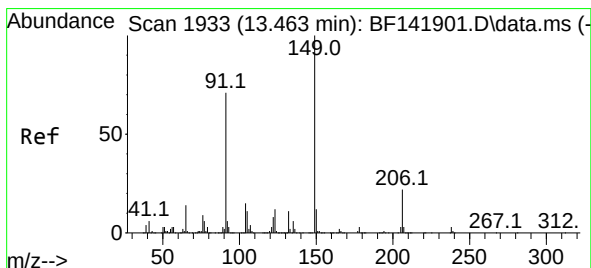
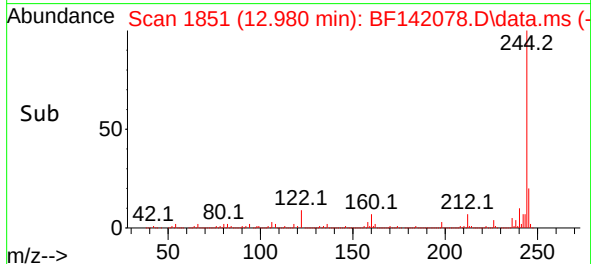
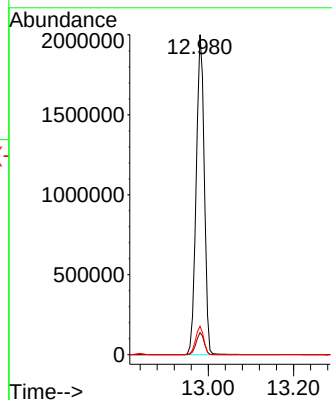
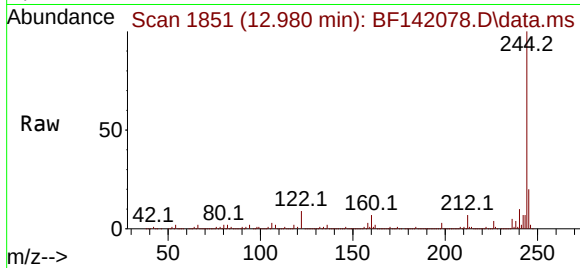




#79
 Terphenyl-d14
 Concen: 117.270 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF142078.D
 Acq: 25 Mar 2025 15:07

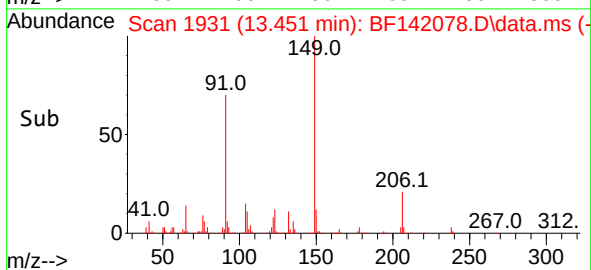
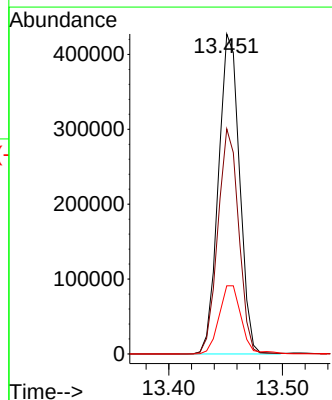
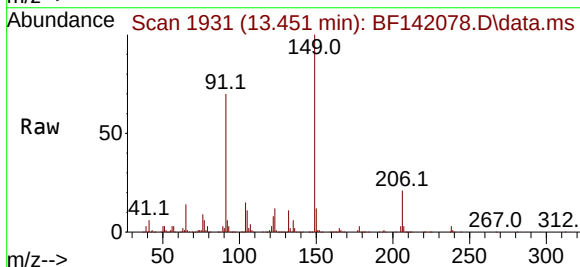
Instrument :
 BNA_F
 ClientSampleId :
 PB167254BS

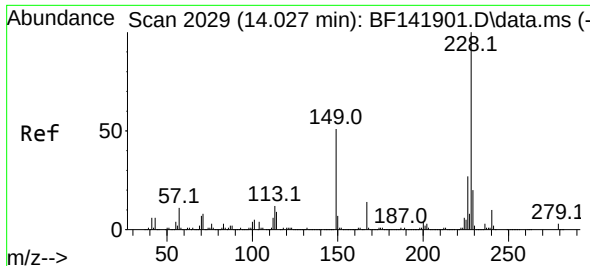
Tgt Ion:244 Resp: 2633359
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 8.9 7.7 11.5



#80
 Butylbenzylphthalate
 Concen: 49.076 ng
 RT: 13.451 min Scan# 1931
 Delta R.T. -0.012 min
 Lab File: BF142078.D
 Acq: 25 Mar 2025 15:07

Tgt Ion:149 Resp: 551623
 Ion Ratio Lower Upper
 149 100
 91 70.4 56.5 84.7
 206 21.3 17.3 25.9

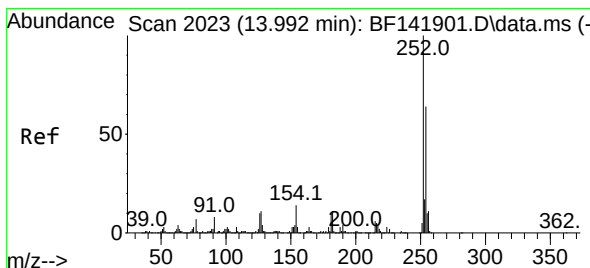
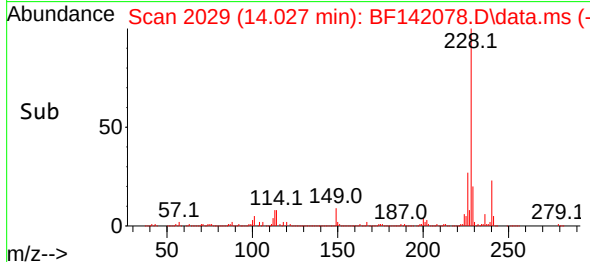
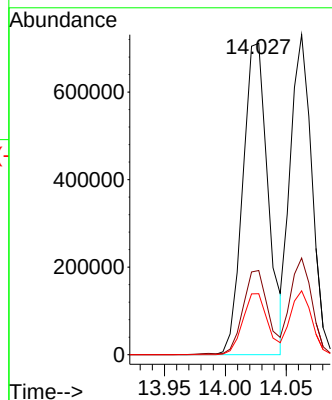
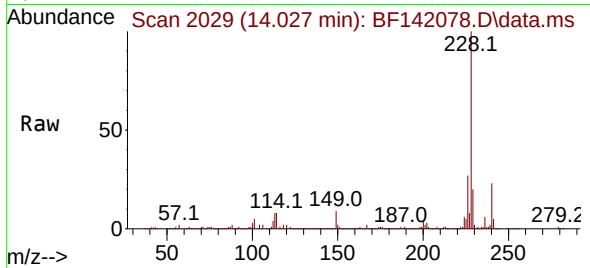




#81
Benzo(a)anthracene
Concen: 47.202 ng
RT: 14.027 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

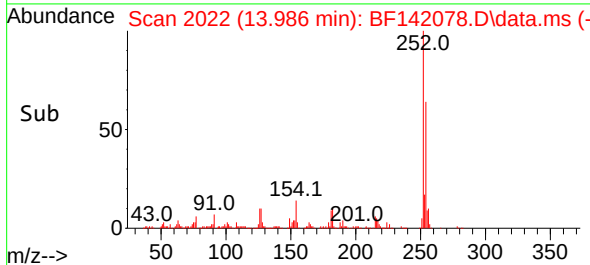
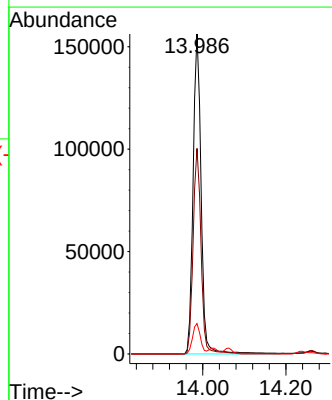
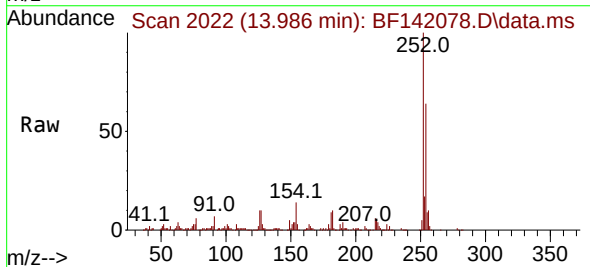
Instrument :
BNA_F
ClientSampleId :
PB167254BS

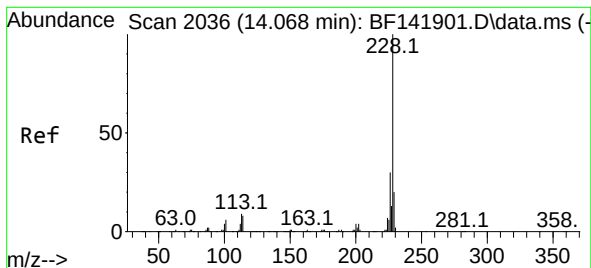
Tgt Ion:228 Resp: 1028335
Ion Ratio Lower Upper
228 100
226 27.0 21.8 32.8
229 19.6 16.0 24.0



#82
3,3'-Dichlorobenzidine
Concen: 33.275 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

Tgt Ion:252 Resp: 209491
Ion Ratio Lower Upper
252 100
254 64.2 51.0 76.6
126 9.5 8.4 12.6





#83

Chrysene

Concen: 45.754 ng

RT: 14.063 min Scan# 2035

Delta R.T. -0.006 min

Lab File: BF142078.D

Acq: 25 Mar 2025 15:07

Instrument :

BNA_F

ClientSampleId :

PB167254BS

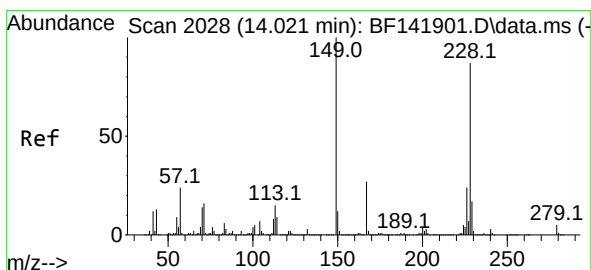
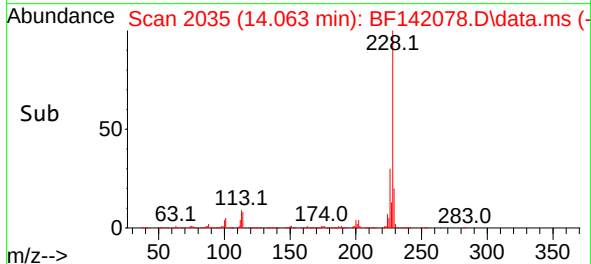
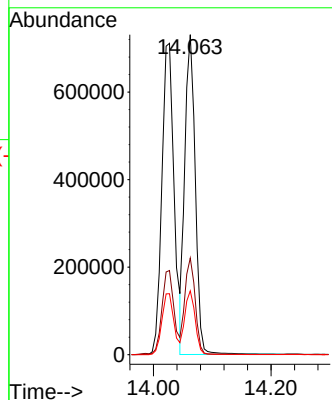
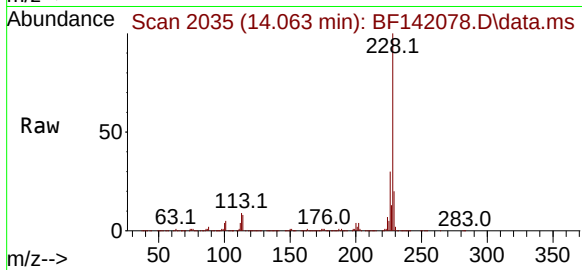
Tgt Ion:228 Resp: 903542

Ion Ratio Lower Upper

228 100

226 30.2 24.1 36.1

229 20.0 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 48.022 ng

RT: 14.010 min Scan# 2026

Delta R.T. -0.012 min

Lab File: BF142078.D

Acq: 25 Mar 2025 15:07

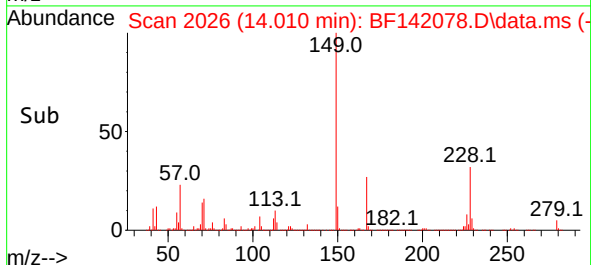
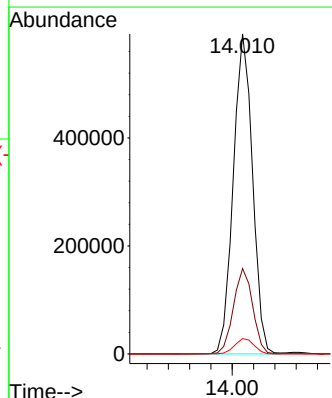
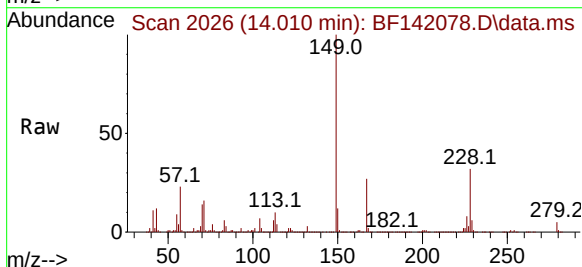
Tgt Ion:149 Resp: 744242

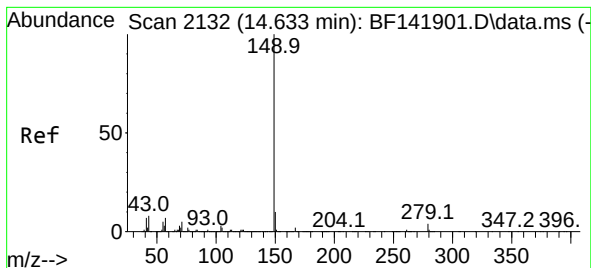
Ion Ratio Lower Upper

149 100

167 26.7 21.4 32.0

279 4.8 3.8 5.6





#85

Di-n-octyl phthalate

Concen: 46.763 ng

RT: 14.621 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF142078.D

Acq: 25 Mar 2025 15:07

Instrument :

BNA_F

ClientSampleId :

PB167254BS

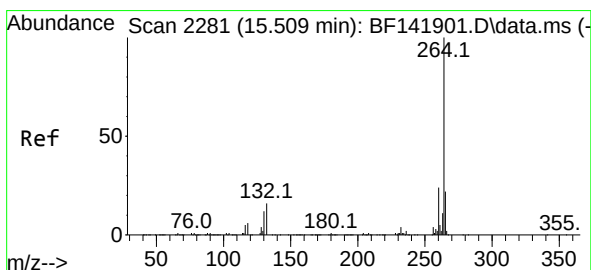
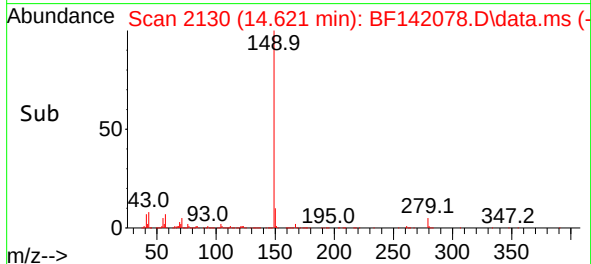
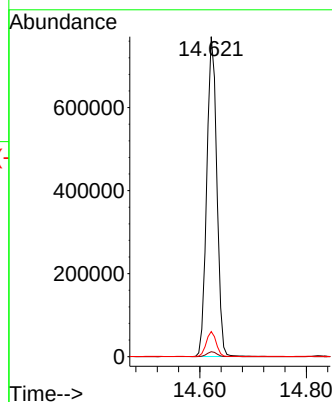
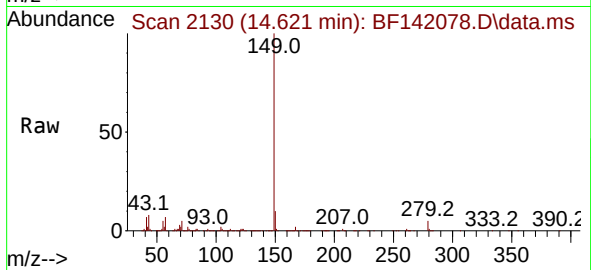
Tgt Ion:149 Resp: 1008397

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 7.7 6.9 10.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 2280

Delta R.T. -0.006 min

Lab File: BF142078.D

Acq: 25 Mar 2025 15:07

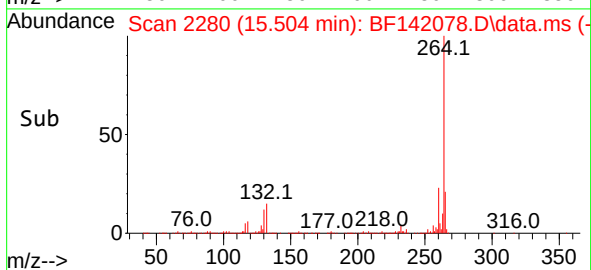
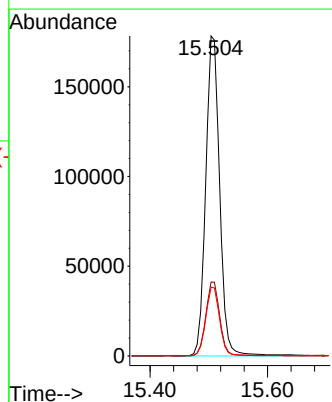
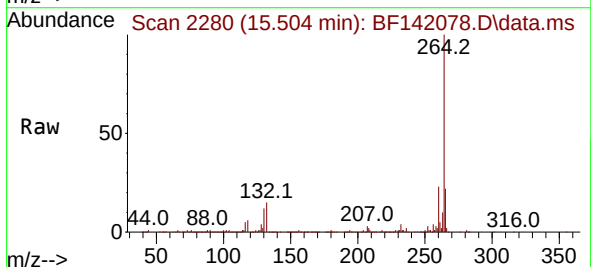
Tgt Ion:264 Resp: 292647

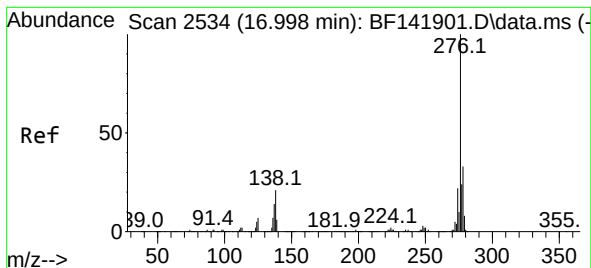
Ion Ratio Lower Upper

264 100

260 23.1 19.1 28.7

265 21.5 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 40.696 ng

RT: 16.998 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142078.D

Acq: 25 Mar 2025 15:07

Instrument :

BNA_F

ClientSampleId :

PB167254BS

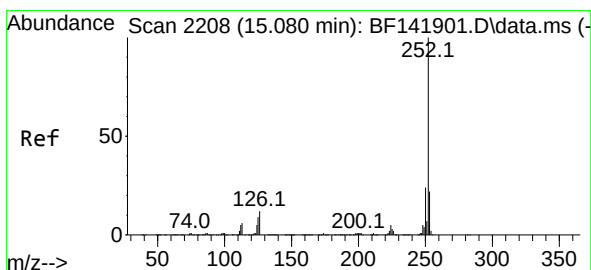
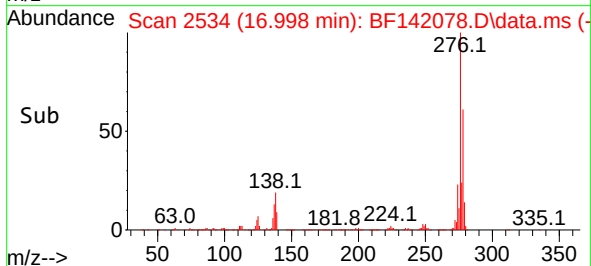
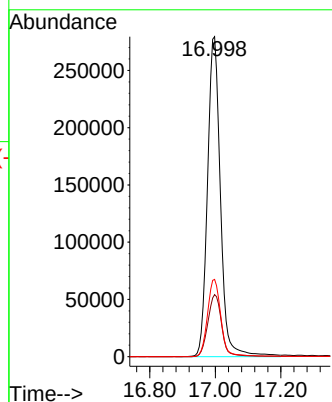
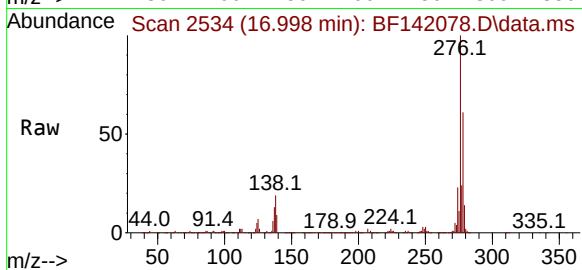
Tgt Ion:276 Resp: 770408

Ion Ratio Lower Upper

276 100

138 20.7 18.4 27.6

277 25.1 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 45.226 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.006 min

Lab File: BF142078.D

Acq: 25 Mar 2025 15:07

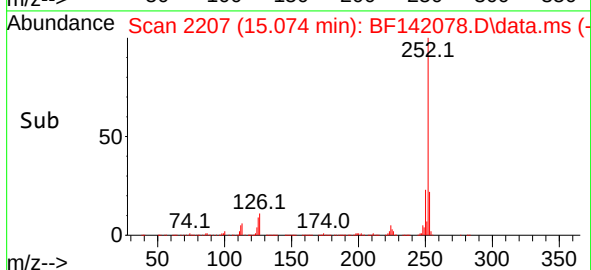
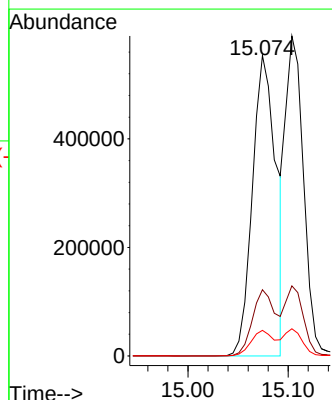
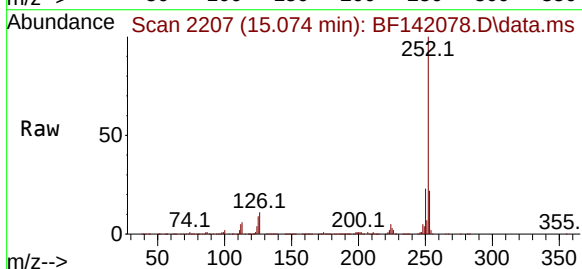
Tgt Ion:252 Resp: 907093

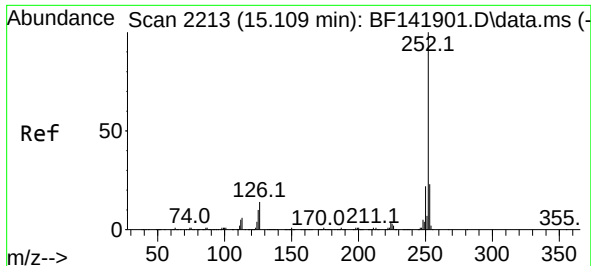
Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 8.5 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 43.705 ng

RT: 15.104 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142078.D

Acq: 25 Mar 2025 15:07

Instrument :

BNA_F

ClientSampleId :

PB167254BS

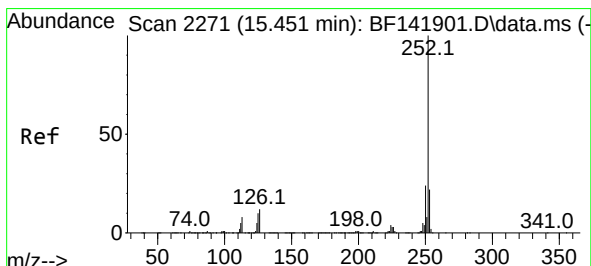
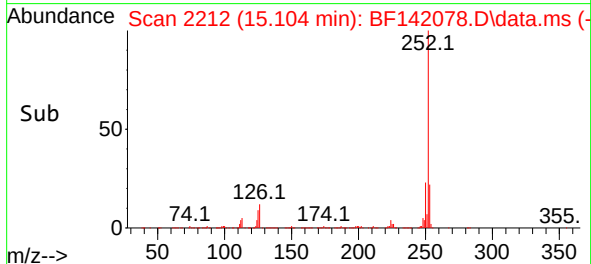
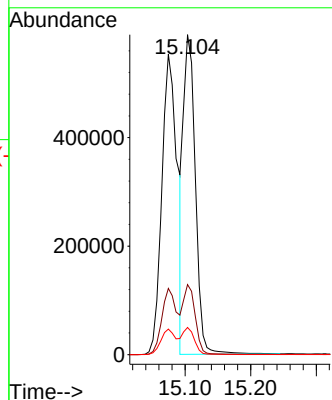
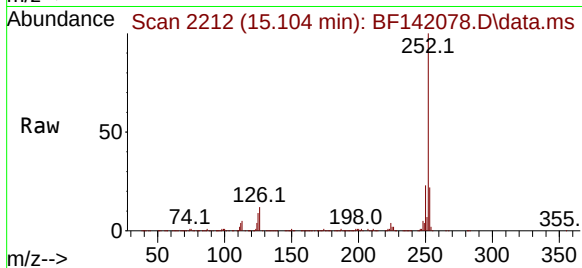
Tgt Ion:252 Resp: 750155

Ion Ratio Lower Upper

252 100

253 21.9 17.7 26.5

125 8.5 7.2 10.8



#90

Benzo(a)pyrene

Concen: 48.743 ng

RT: 15.445 min Scan# 2270

Delta R.T. -0.006 min

Lab File: BF142078.D

Acq: 25 Mar 2025 15:07

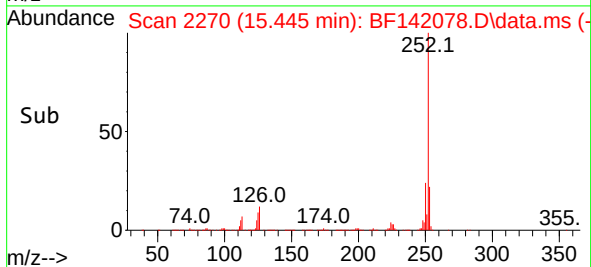
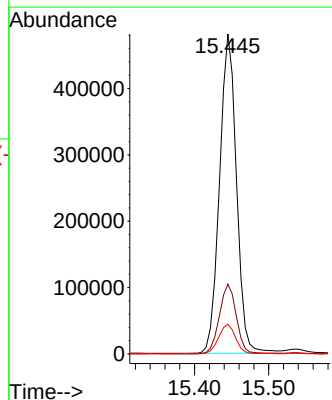
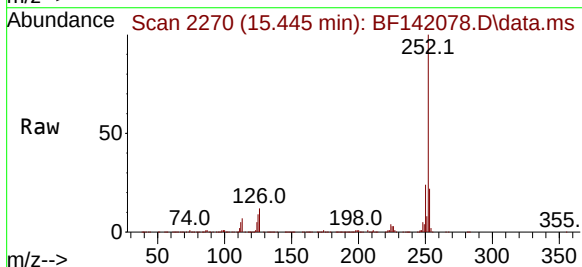
Tgt Ion:252 Resp: 764955

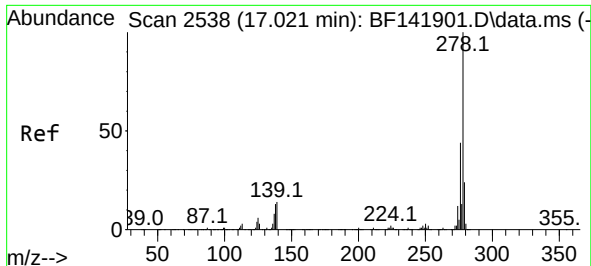
Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.0

125 9.3 7.8 11.8

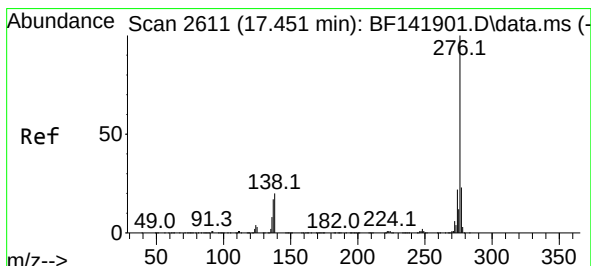
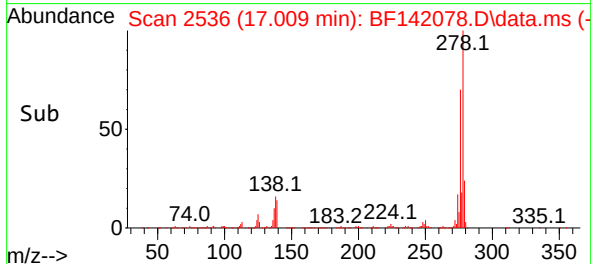
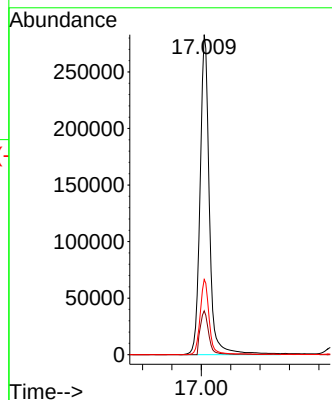
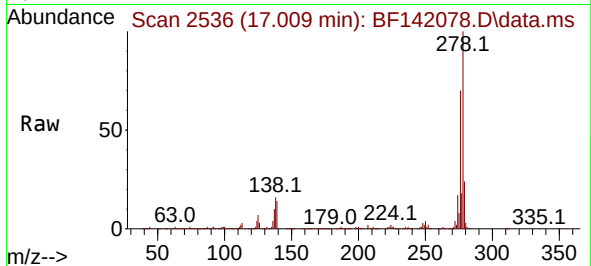




#91
Dibenzo(a,h)anthracene
Concen: 39.861 ng
RT: 17.009 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

Instrument :
BNA_F
ClientSampleId :
PB167254BS

Tgt Ion:278 Resp: 622602
Ion Ratio Lower Upper
278 100
139 13.7 11.4 17.2
279 23.5 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 36.434 ng
RT: 17.445 min Scan# 2610
Delta R.T. -0.006 min
Lab File: BF142078.D
Acq: 25 Mar 2025 15:07

Tgt Ion:276 Resp: 562360
Ion Ratio Lower Upper
276 100
277 23.5 18.7 28.1
138 17.4 15.8 23.8

