

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032125\
 Data File : BF142025.D
 Acq On : 21 Mar 2025 12:25
 Operator : RC/JU
 Sample : PB167228BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB167228BS

Quant Time: Mar 21 12:45:36 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	144154	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	556729	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	307856	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	509905	20.000	ng	0.00
76) Chrysene-d12	14.039	240	285278	20.000	ng	0.00
86) Perylene-d12	15.509	264	309236	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1137616	131.709	ng	0.01
7) Phenol-d6	6.504	99	1404899	127.750	ng	0.00
23) Nitrobenzene-d5	7.439	82	917585	92.752	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	568762	145.629	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1936932	95.685	ng	0.00
79) Terphenyl-d14	12.980	244	1975389	102.375	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.728	88	143277	39.589	ng	98
3) Pyridine	3.493	79	336881	37.948	ng	97
4) n-Nitrosodimethylamine	3.434	42	169290	40.005	ng	97
6) Aniline	6.539	93	409681	37.763	ng	99
8) 2-Chlorophenol	6.657	128	417543	43.587	ng	99
9) Benzaldehyde	6.422	77	105462	17.147	ng	99
10) Phenol	6.516	94	482481	41.703	ng	97
11) bis(2-Chloroethyl)ether	6.610	93	360445	41.491	ng	98
12) 1,3-Dichlorobenzene	6.816	146	440891	42.631	ng	99
13) 1,4-Dichlorobenzene	6.892	146	448527	42.864	ng	99
14) 1,2-Dichlorobenzene	7.045	146	428526	43.479	ng	98
15) Benzyl Alcohol	7.016	79	364778	41.029	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.145	45	403685	38.490	ng	97
17) 2-Methylphenol	7.122	107	326060	42.809	ng	100
18) Hexachloroethane	7.386	117	167443	42.673	ng	97
19) n-Nitroso-di-n-propyla...	7.286	70	274229	38.808	ng	99
20) 3+4-Methylphenols	7.275	107	411200	42.148	ng	# 89
22) Acetophenone	7.281	105	617353	46.305	ng	96
24) Nitrobenzene	7.457	77	420865	42.794	ng	98
25) Isophorone	7.692	82	760904	43.512	ng	100
26) 2-Nitrophenol	7.769	139	223289	46.260	ng	99
27) 2,4-Dimethylphenol	7.804	122	349531	52.589	ng	98
28) bis(2-Chloroethoxy)met...	7.904	93	451175	41.135	ng	100
29) 2,4-Dichlorophenol	8.010	162	358876	43.502	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	392827	43.208	ng	99
31) Naphthalene	8.181	128	1197124	41.860	ng	100
32) Benzoic acid	7.922	122	266191	45.562	ng	98
33) 4-Chloroaniline	8.222	127	240643	23.836	ng	98
34) Hexachlorobutadiene	8.292	225	263456	44.435	ng	99
35) Caprolactam	8.592	113	85704	34.075	ng	88
36) 4-Chloro-3-methylphenol	8.704	107	383818	41.707	ng	98
37) 2-Methylnaphthalene	8.869	142	774649	40.525	ng	100
38) 1-Methylnaphthalene	8.969	142	757176	41.048	ng	99
40) 1,2,4,5-Tetrachloroben...	9.033	216	464488	49.556	ng	98
41) Hexachlorocyclopentadiene	9.022	237	558330	152.208	ng	99
43) 2,4,6-Trichlorophenol	9.145	196	268939	43.904	ng	100

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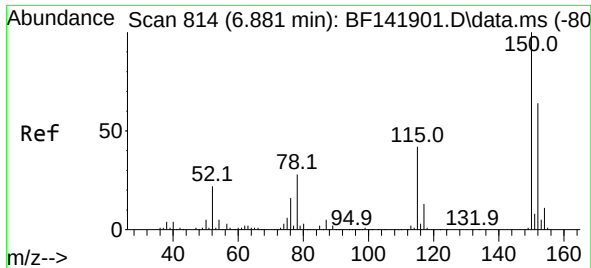
Quant Time: Mar 21 12:45:36 2025
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	283125	45.636	ng	99
46) 1,1'-Biphenyl	9.333	154	1131780	48.385	ng	99
47) 2-Chloronaphthalene	9.357	162	769067	44.111	ng	99
48) 2-Nitroaniline	9.451	65	218209	43.226	ng	98
49) Acenaphthylene	9.774	152	1194573	46.172	ng	100
50) Dimethylphthalate	9.633	163	927676	43.031	ng	100
51) 2,6-Dinitrotoluene	9.692	165	203101	45.248	ng	95
52) Acenaphthene	9.945	154	892937	49.111	ng	99
53) 3-Nitroaniline	9.863	138	125764	27.621	ng	97
54) 2,4-Dinitrophenol	9.969	184	218623	85.253	ng	# 50
55) Dibenzofuran	10.116	168	1087200	41.848	ng	99
56) 4-Nitrophenol	10.022	139	294328	85.718	ng	97
57) 2,4-Dinitrotoluene	10.098	165	275485	46.990	ng	97
58) Fluorene	10.463	166	863624	43.106	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	248976	44.102	ng	97
60) Diethylphthalate	10.333	149	895359	41.651	ng	99
61) 4-Chlorophenyl-phenyle...	10.451	204	450535	43.133	ng	98
62) 4-Nitroaniline	10.474	138	173513	39.143	ng	98
63) Azobenzene	10.610	77	806770	40.368	ng	99
65) 4,6-Dinitro-2-methylph...	10.504	198	147684	48.584	ng	99
66) n-Nitrosodiphenylamine	10.569	169	744460	45.117	ng	100
67) 4-Bromophenyl-phenylether	10.939	248	289389	45.190	ng	98
68) Hexachlorobenzene	11.010	284	331449	47.191	ng	94
69) Atrazine	11.098	200	288469	57.027	ng	98
70) Pentachlorophenol	11.204	266	374563	86.556	ng	99
71) Phenanthrene	11.421	178	1219981	44.296	ng	99
72) Anthracene	11.474	178	1230532	44.534	ng	100
73) Carbazole	11.627	167	978145	41.047	ng	100
74) Di-n-butylphthalate	11.957	149	1314628	41.577	ng	99
75) Fluoranthene	12.610	202	1143037	39.125	ng	100
77) Benzidine	12.727	184	241914	60.780	ng	100
78) Pyrene	12.839	202	1124823	45.582	ng	99
80) Butylbenzylphthalate	13.457	149	406569	42.094	ng	97
81) Benzo(a)anthracene	14.027	228	840023	44.873	ng	99
82) 3,3'-Dichlorobenzidine	13.986	252	173416	32.056	ng	99
83) Chrysene	14.062	228	744240	43.859	ng	100
84) Bis(2-ethylhexyl)phtha...	14.010	149	542707	40.753	ng	100
85) Di-n-octyl phthalate	14.627	149	861143	46.474	ng	98
87) Indeno(1,2,3-cd)pyrene	16.998	276	831472	41.565	ng	98
88) Benzo(b)fluoranthene	15.074	252	845477	39.893	ng	99
89) Benzo(k)fluoranthene	15.104	252	745574	41.108	ng	99
90) Benzo(a)pyrene	15.445	252	755641	45.566	ng	100
91) Dibenzo(a,h)anthracene	17.015	278	665920	40.347	ng	99
92) Benzo(g,h,i)perylene	17.450	276	618598	37.927	ng	97

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

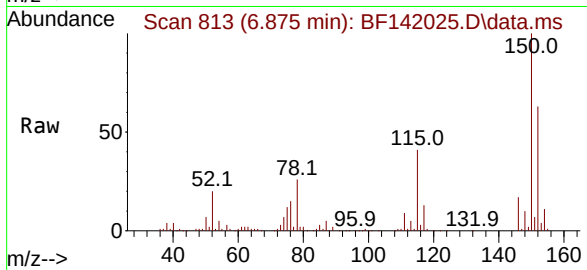
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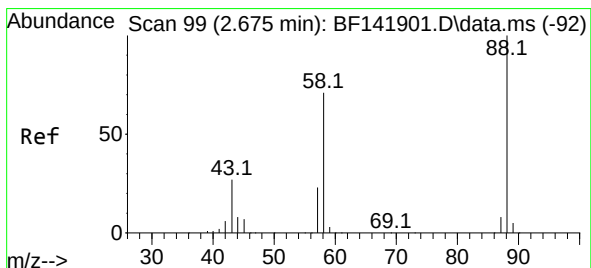
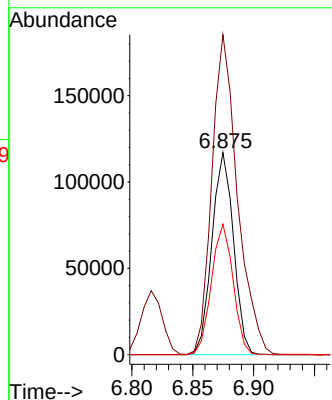
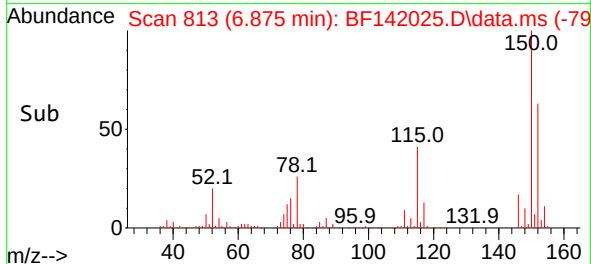


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BF142025.D
 Acq: 21 Mar 2025 12:25

Instrument :
 BNA_F
 ClientSampleId :
 PB167228BS

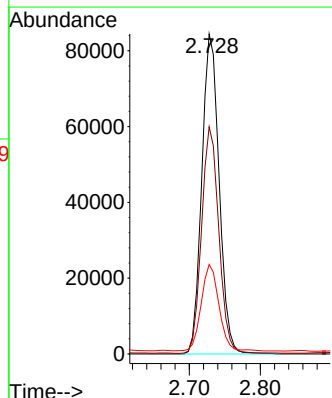
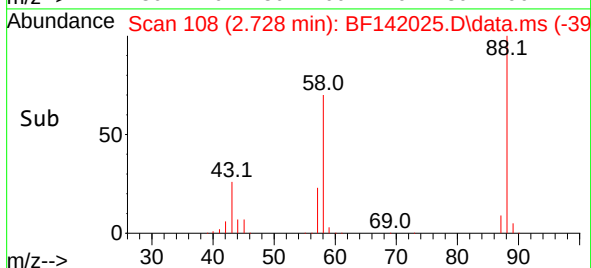
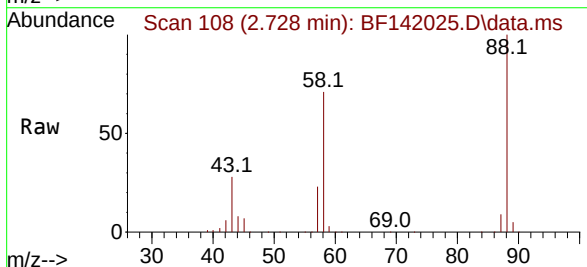


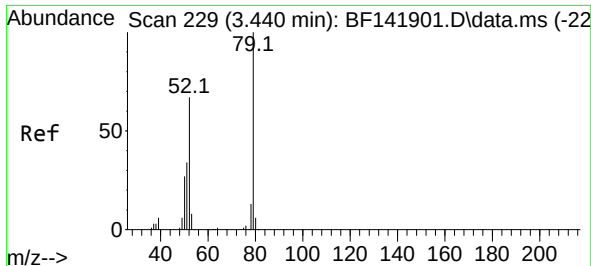
Tgt Ion:152 Resp: 144154
 Ion Ratio Lower Upper
 152 100
 150 158.3 127.4 191.2
 115 64.6 51.9 77.9



#2
 1,4-Dioxane
 Concen: 39.589 ng
 RT: 2.728 min Scan# 108
 Delta R.T. 0.053 min
 Lab File: BF142025.D
 Acq: 21 Mar 2025 12:25

Tgt Ion: 88 Resp: 143277
 Ion Ratio Lower Upper
 88 100
 58 70.5 57.4 86.2
 43 27.6 21.5 32.3





#3

Pyridine

Concen: 37.948 ng

RT: 3.493 min Scan# 21

Delta R.T. 0.053 min

Lab File: BF142025.D

Acq: 21 Mar 2025 12:25

Instrument :

BNA_F

ClientSampleId :

PB167228BS

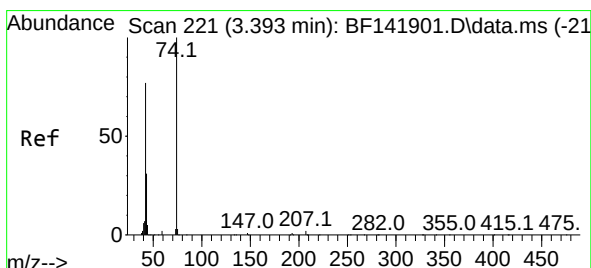
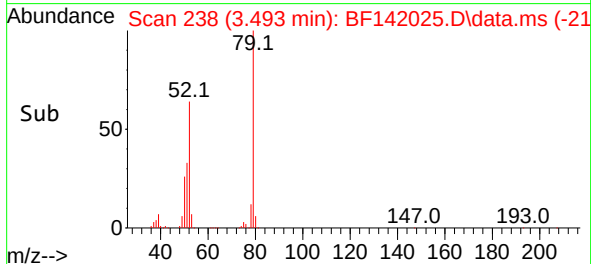
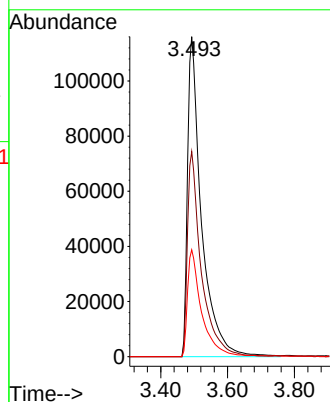
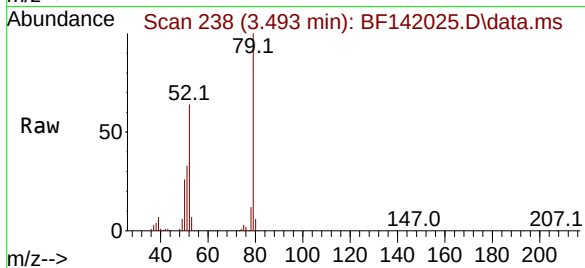
Tgt Ion: 79 Resp: 336881

Ion Ratio Lower Upper

79 100

52 64.1 53.3 79.9

51 33.4 27.6 41.4



#4

n-Nitrosodimethylamine

Concen: 40.005 ng

RT: 3.434 min Scan# 228

Delta R.T. 0.041 min

Lab File: BF142025.D

Acq: 21 Mar 2025 12:25

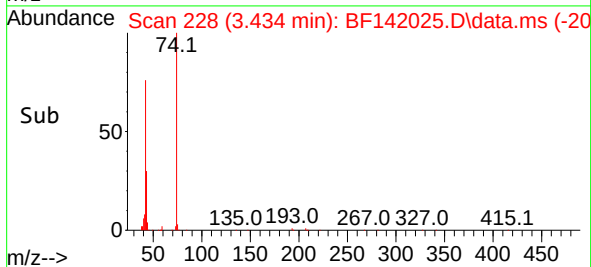
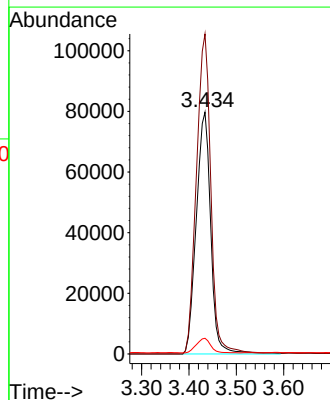
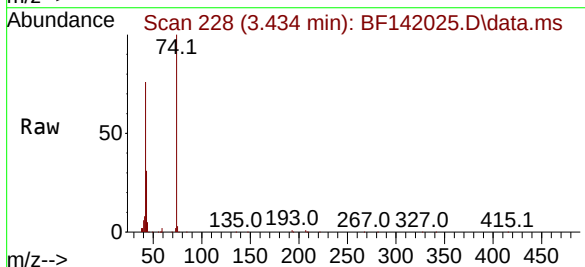
Tgt Ion: 42 Resp: 169290

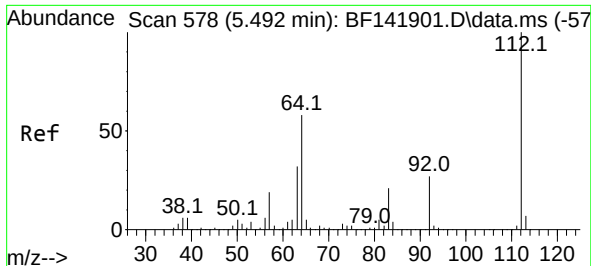
Ion Ratio Lower Upper

42 100

74 132.4 103.4 155.0

44 6.5 5.0 7.4

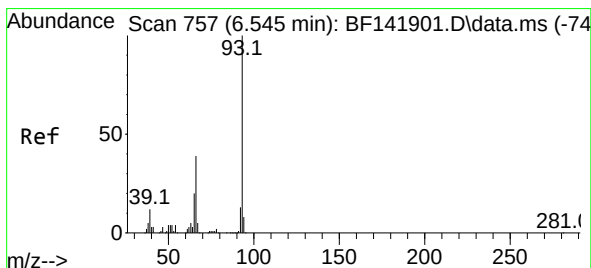
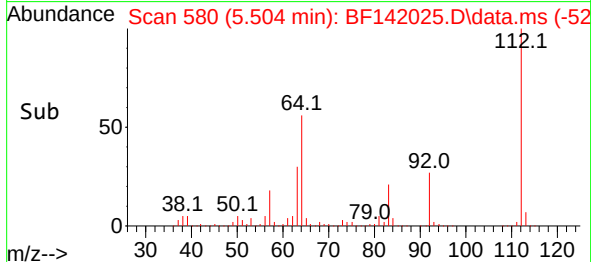
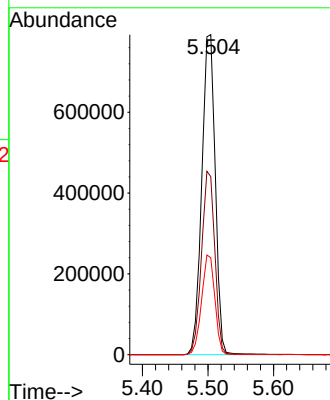
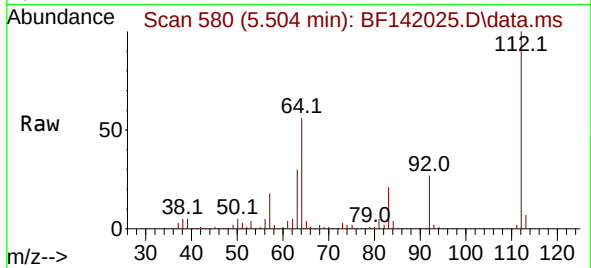




#5
2-Fluorophenol
Concen: 131.709 ng
RT: 5.504 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

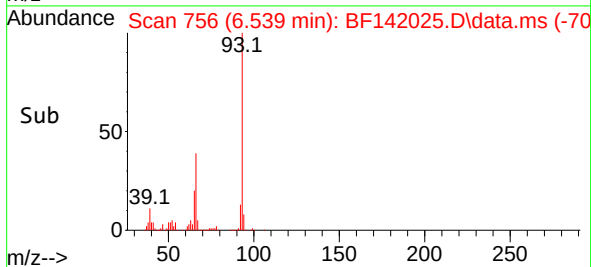
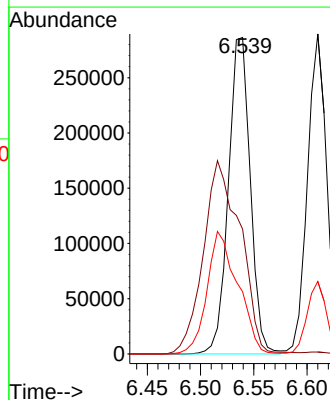
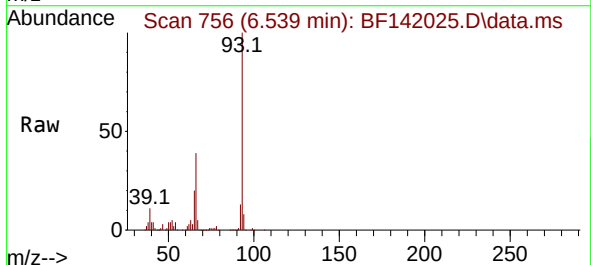
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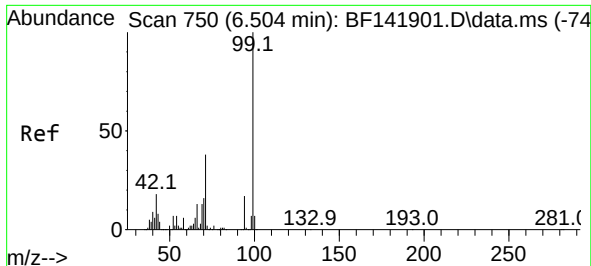
Tgt Ion:112 Resp: 1137616
Ion Ratio Lower Upper
112 100
64 55.7 46.5 69.7
63 30.3 25.4 38.2



#6
Aniline
Concen: 37.763 ng
RT: 6.539 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

Tgt Ion: 93 Resp: 409681
Ion Ratio Lower Upper
93 100
66 39.4 31.9 47.9
65 19.7 15.8 23.6



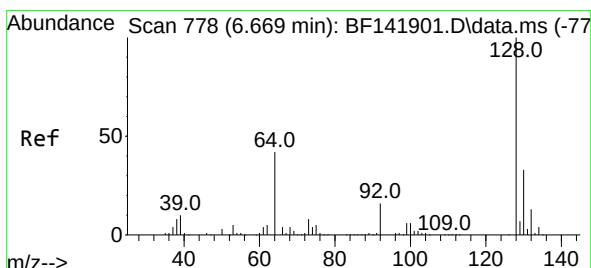
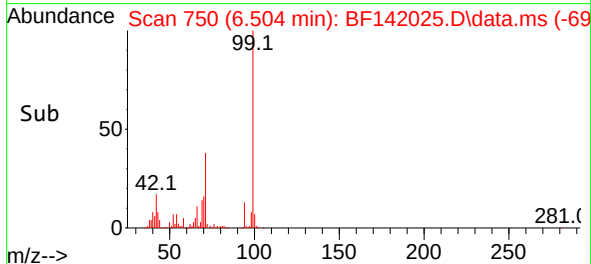
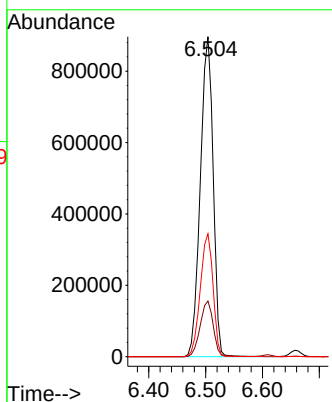
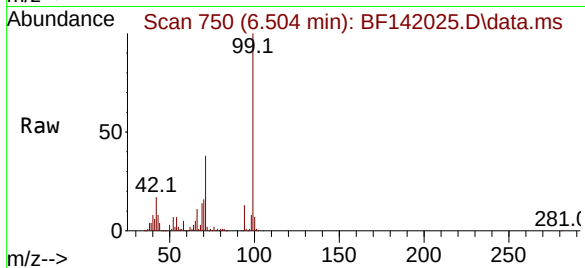


#7
Phenol-d6
Concen: 127.750 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB167228BS

Tgt Ion: 99 Resp: 1404899

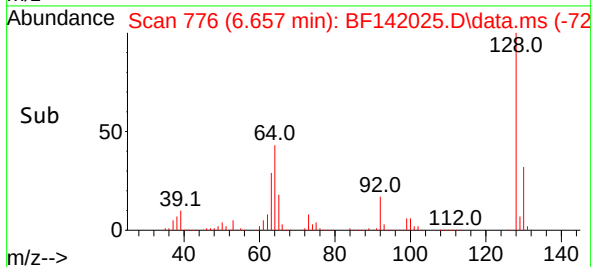
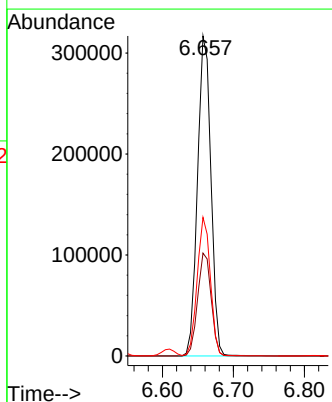
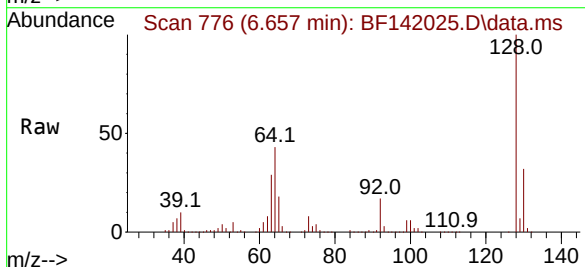
Ion	Ratio	Lower	Upper
99	100		
42	17.4	14.6	21.8
71	38.4	30.8	46.2

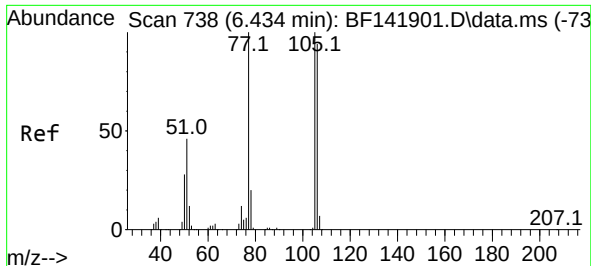


#8
2-Chlorophenol
Concen: 43.587 ng
RT: 6.657 min Scan# 776
Delta R.T. -0.012 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

Tgt Ion:128 Resp: 417543

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.8	52.8
64	43.3	24.4	64.4

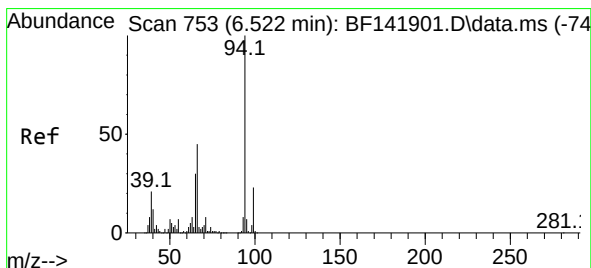
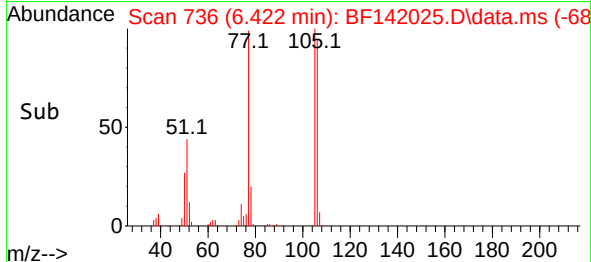
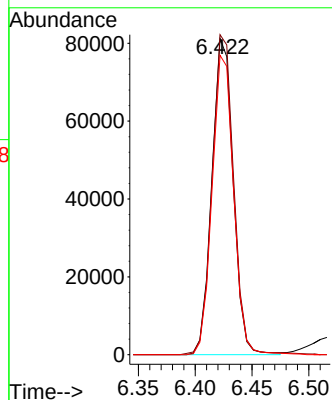
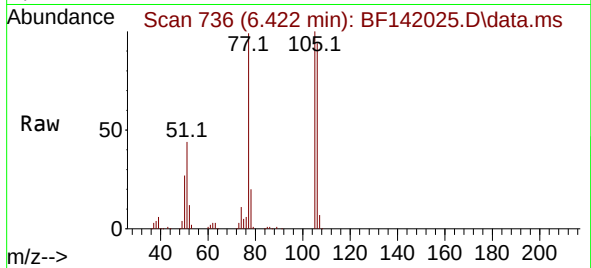




#9
Benzaldehyde
Concen: 17.147 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

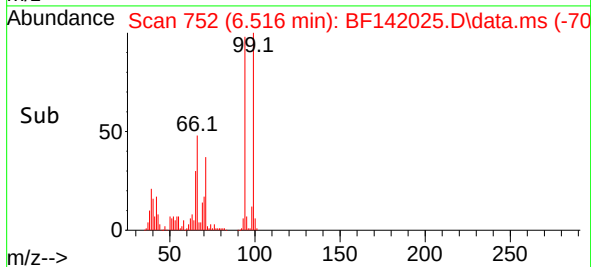
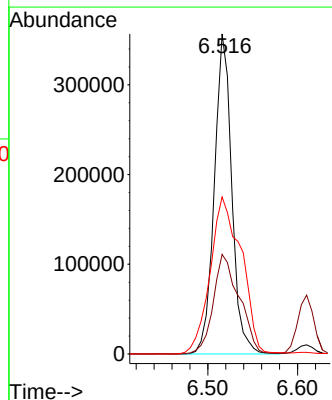
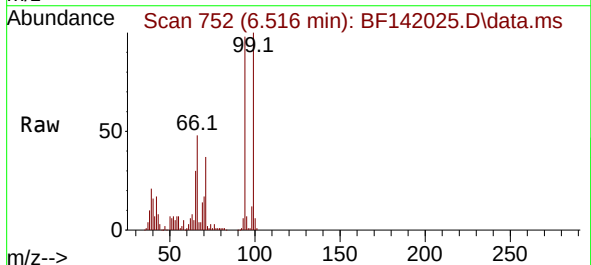
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ClientSampleId :
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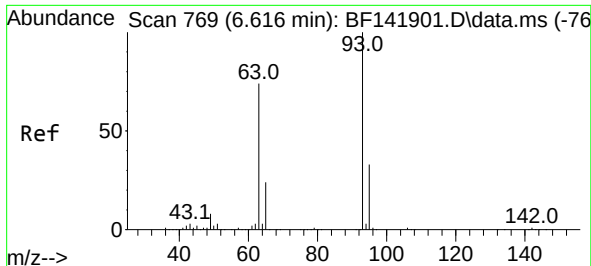
Tgt Ion: 77 Resp: 105462
Ion Ratio Lower Upper
77 100
105 101.2 80.0 120.0
106 94.7 74.5 114.5



#10
Phenol
Concen: 41.703 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

Tgt Ion: 94 Resp: 482481
Ion Ratio Lower Upper
94 100
65 31.1 10.5 50.5
66 49.0 25.8 65.8

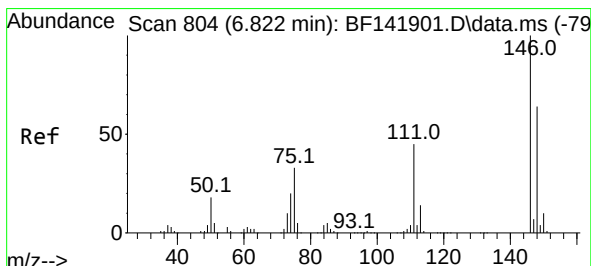
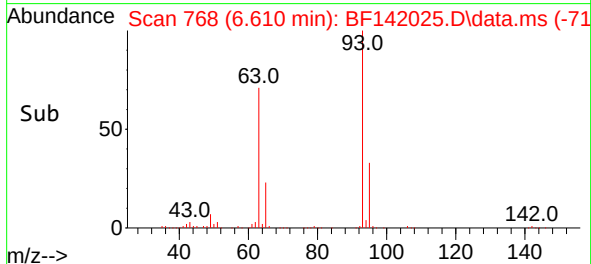
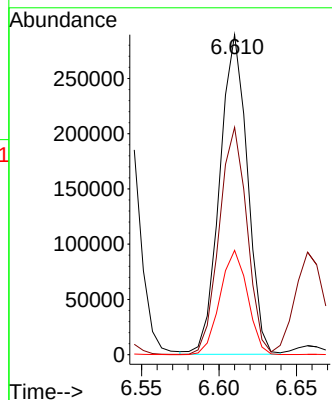
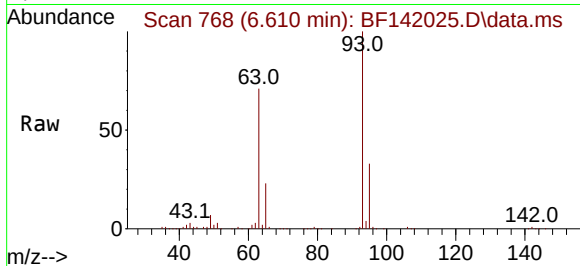




#11
bis(2-Chloroethyl)ether
Concen: 41.491 ng
RT: 6.610 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

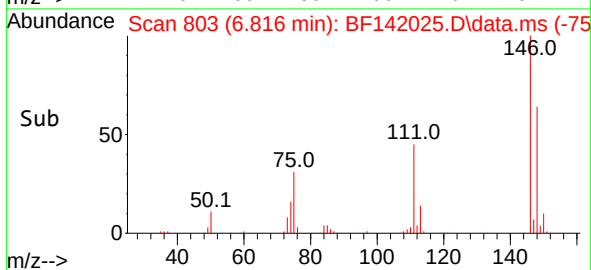
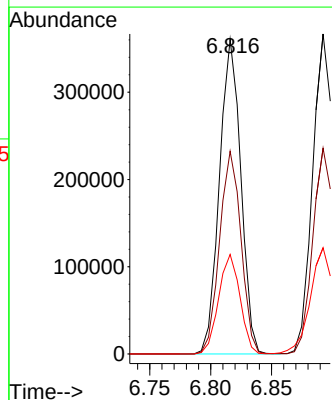
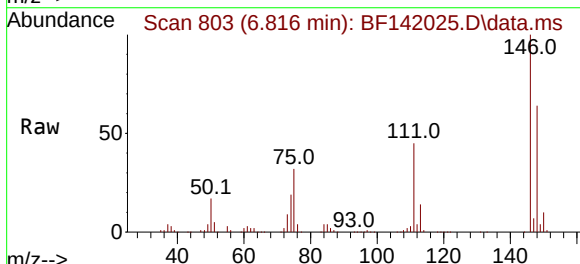
Instrument :
BNA_F
ClientSampleId :
PB167228BS

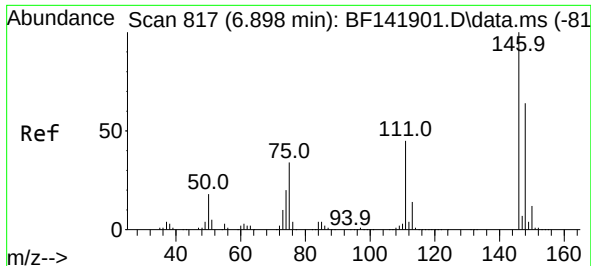
Tgt Ion: 93 Resp: 360445
Ion Ratio Lower Upper
93 100
63 71.0 53.0 93.0
95 32.6 12.9 52.9



#12
1,3-Dichlorobenzene
Concen: 42.631 ng
RT: 6.816 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

Tgt Ion:146 Resp: 440891
Ion Ratio Lower Upper
146 100
148 64.4 51.3 76.9
75 31.6 26.6 40.0





#13

1,4-Dichlorobenzene

Concen: 42.864 ng

RT: 6.892 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF142025.D

Acq: 21 Mar 2025 12:25

Instrument :

BNA_F

ClientSampleId :

PB167228BS

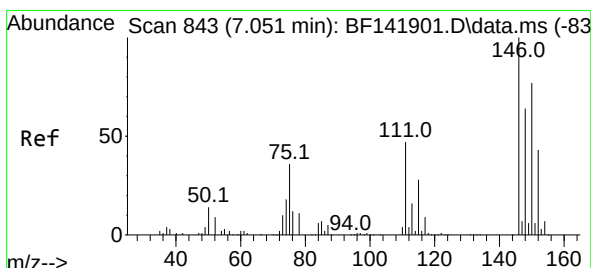
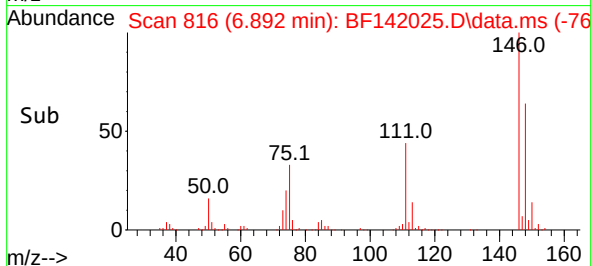
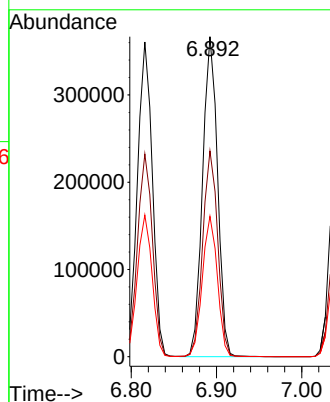
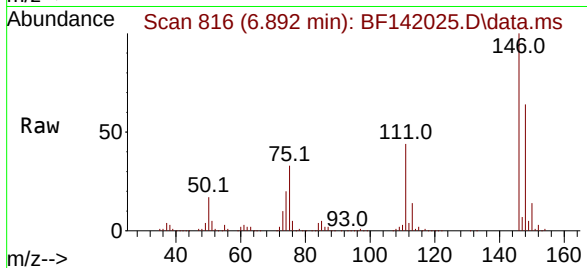
Tgt Ion:146 Resp: 448527

Ion Ratio Lower Upper

146 100

148 64.3 51.0 76.6

111 43.9 35.7 53.5



#14

1,2-Dichlorobenzene

Concen: 43.479 ng

RT: 7.045 min Scan# 842

Delta R.T. -0.006 min

Lab File: BF142025.D

Acq: 21 Mar 2025 12:25

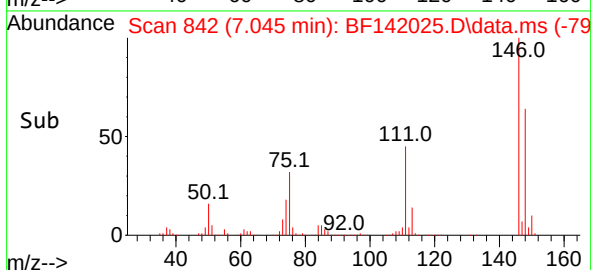
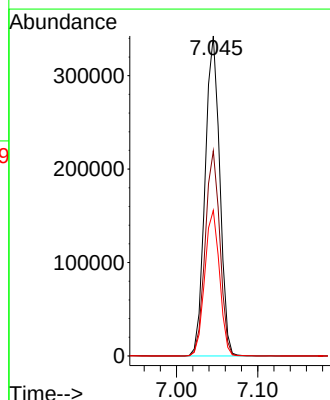
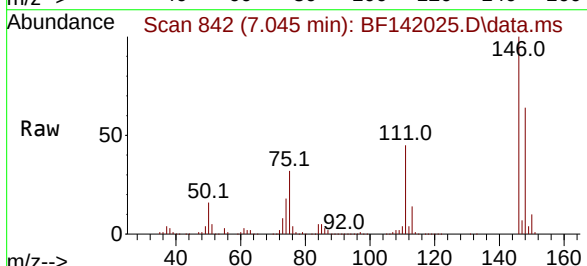
Tgt Ion:146 Resp: 428526

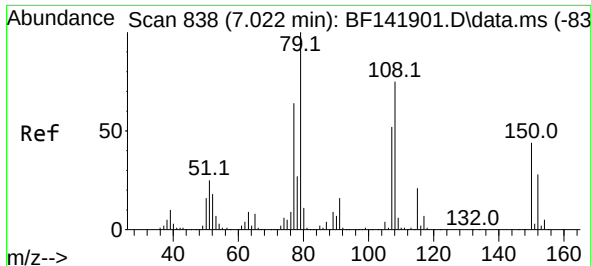
Ion Ratio Lower Upper

146 100

148 64.1 50.8 76.2

111 45.5 38.0 57.0

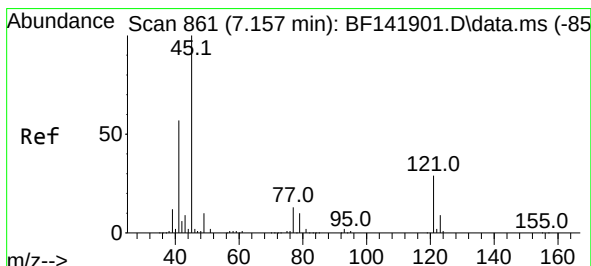
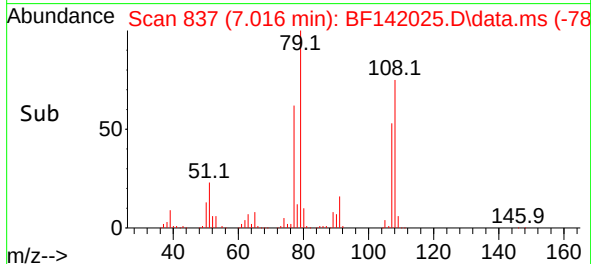
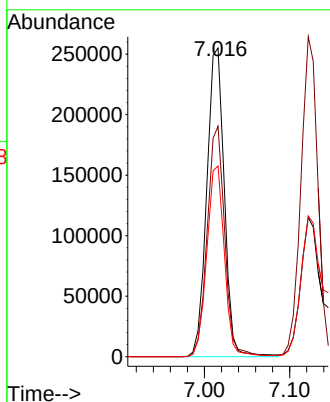
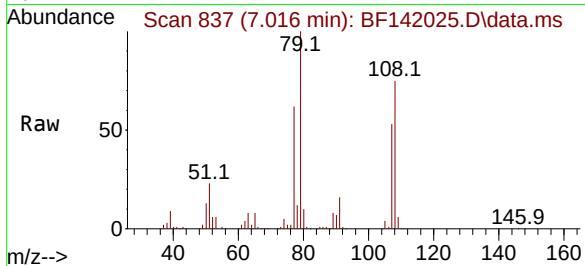




#15
Benzyl Alcohol
Concen: 41.029 ng
RT: 7.016 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

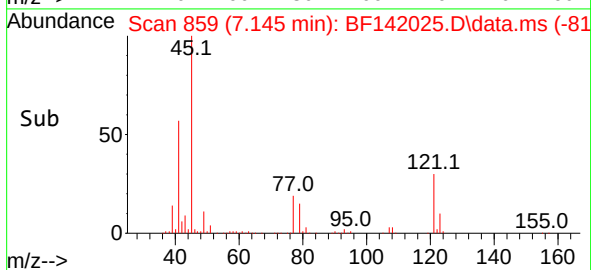
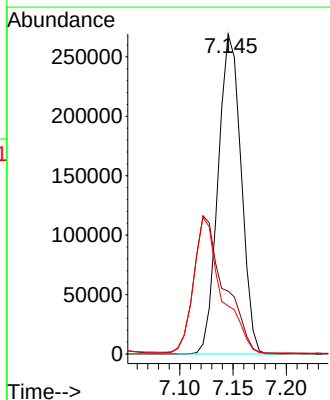
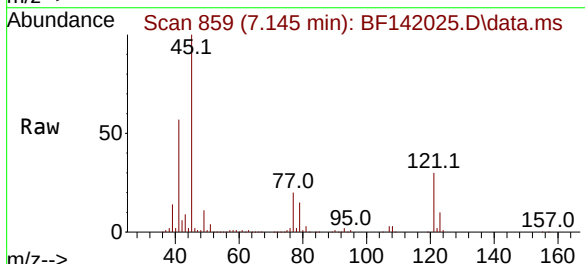
Instrument :
BNA_F
ClientSampleId :
PB167228BS

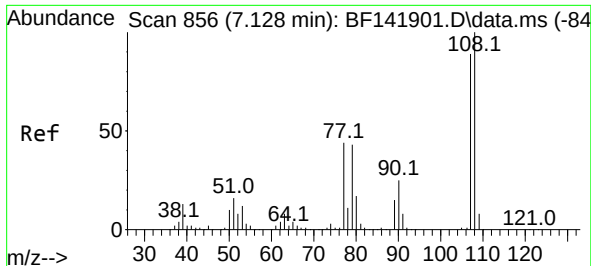
Tgt Ion: 79 Resp: 364778
Ion Ratio Lower Upper
79 100
108 74.7 59.7 89.5
77 61.8 51.0 76.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.490 ng
RT: 7.145 min Scan# 859
Delta R.T. -0.012 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

Tgt Ion: 45 Resp: 403685
Ion Ratio Lower Upper
45 100
77 19.7 0.0 37.8
79 15.0 0.0 34.2

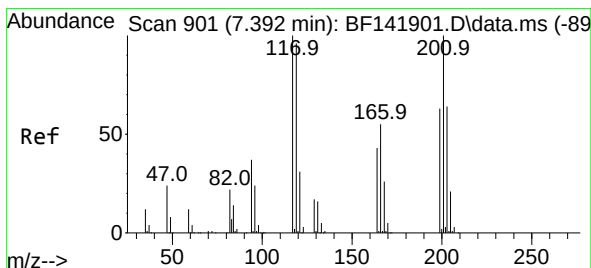
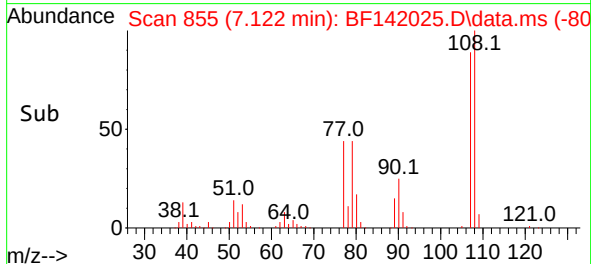
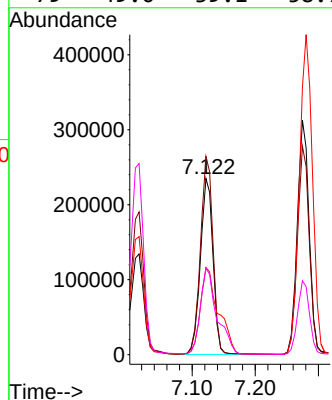
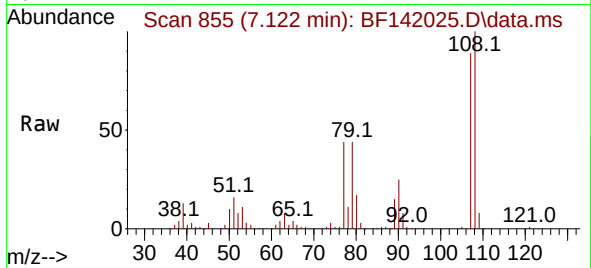




#17
2-Methylphenol
Concen: 42.809 ng
RT: 7.122 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

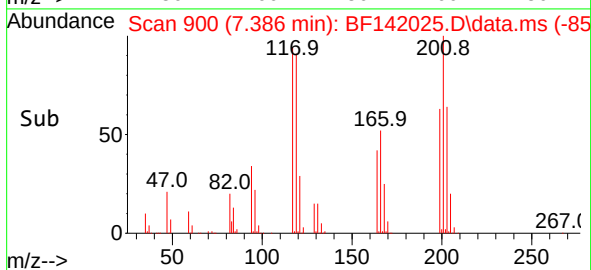
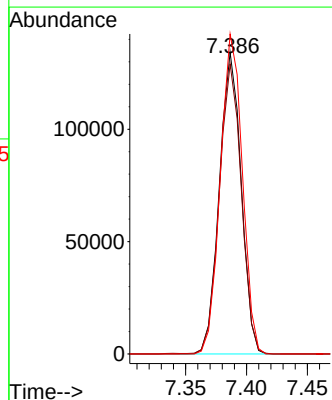
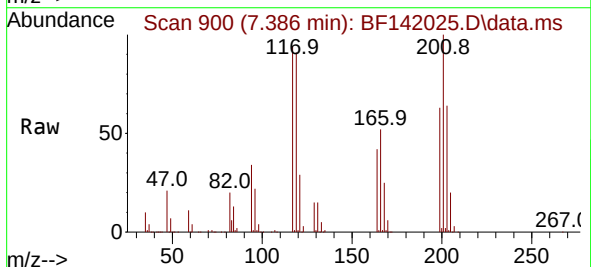
Instrument :
BNA_F
ClientSampleId :
PB167228BS

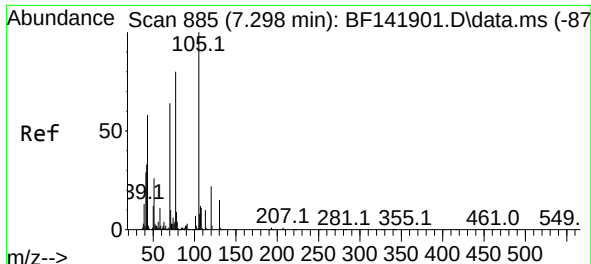
Tgt Ion:107 Resp: 326060
Ion Ratio Lower Upper
107 100
108 112.5 90.2 135.2
77 49.5 39.6 59.4
79 49.0 39.1 58.7



#18
Hexachloroethane
Concen: 42.673 ng
RT: 7.386 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

Tgt Ion:117 Resp: 167443
Ion Ratio Lower Upper
117 100
119 96.2 76.9 115.3
201 106.1 79.9 119.9

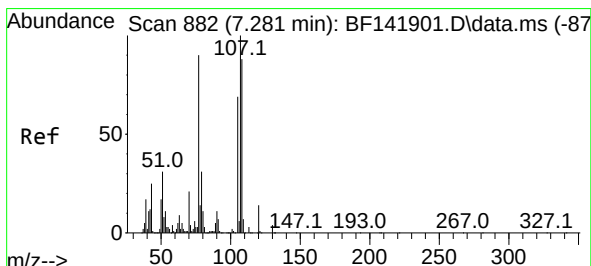
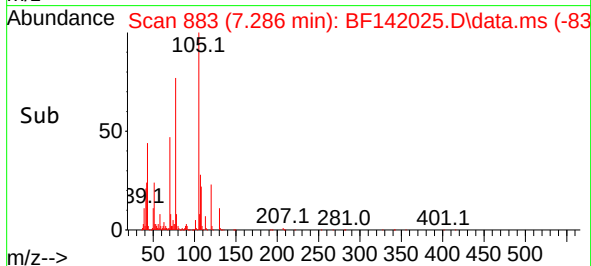
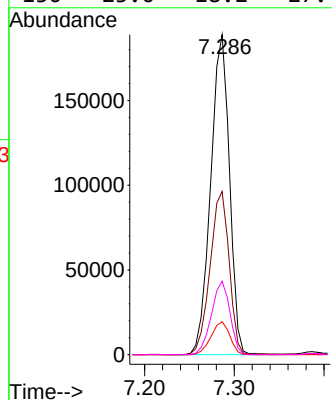
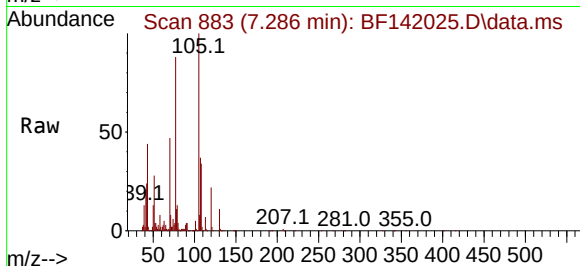




#19
n-Nitroso-di-n-propylamine
Concen: 38.808 ng
RT: 7.286 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

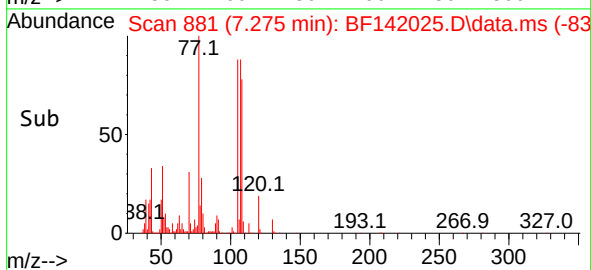
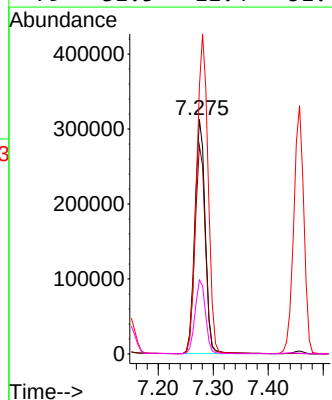
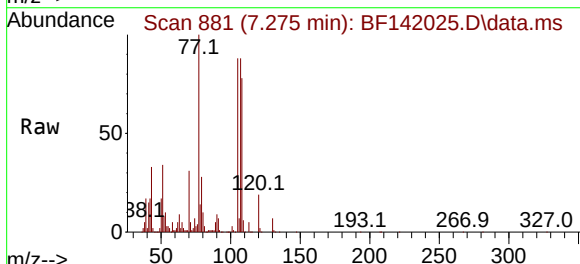
Instrument :
BNA_F
ClientSampleId :
PB167228BS

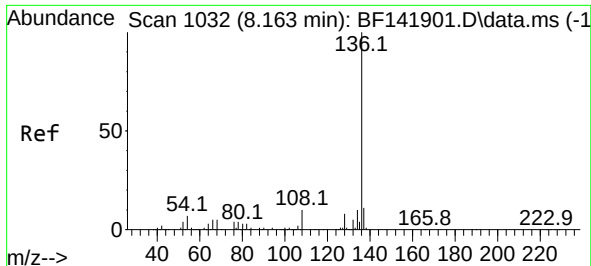
Tgt Ion: 70 Resp: 274229
Ion Ratio Lower Upper
70 100
42 51.0 41.4 62.0
101 10.3 8.2 12.2
130 23.0 18.2 27.4



#20
3+4-Methylphenols
Concen: 42.148 ng
RT: 7.275 min Scan# 881
Delta R.T. -0.006 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

Tgt Ion:107 Resp: 411200
Ion Ratio Lower Upper
107 100
108 89.0 68.4 108.4
77 114.1 69.7 109.7#
79 31.5 11.4 51.4



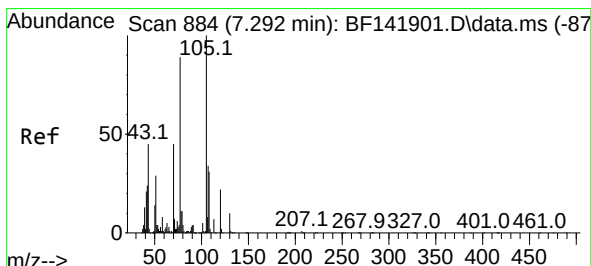
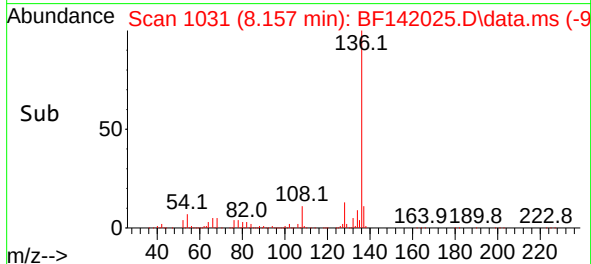
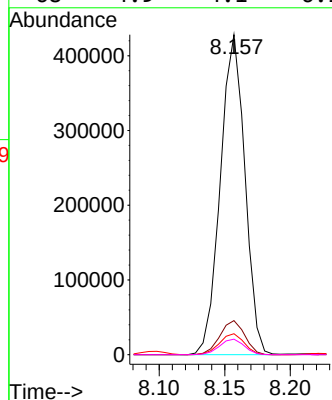
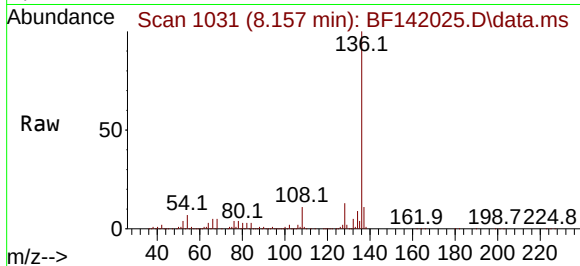


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB167228BS

Tgt Ion:136 Resp: 556729

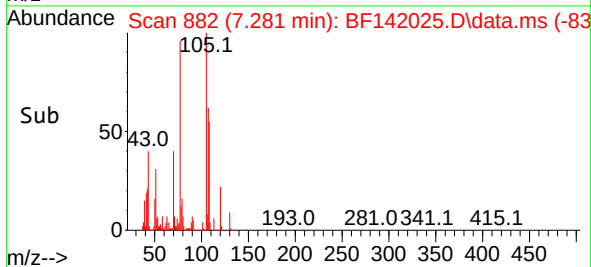
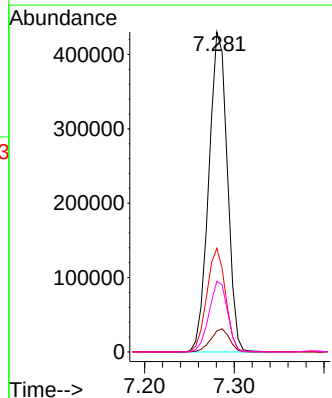
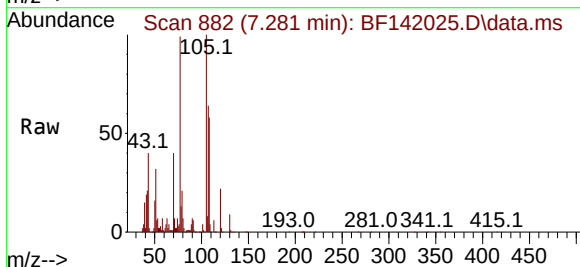
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	6.6	5.8	8.8
68	4.9	4.1	6.1

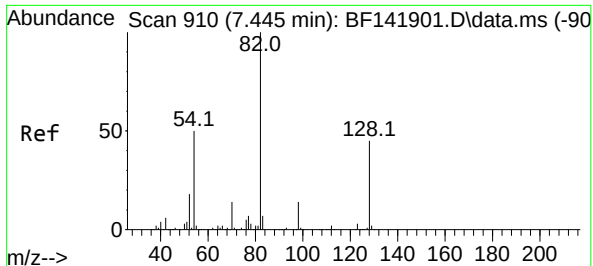


#22
Acetophenone
Concen: 46.305 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.012 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

Tgt Ion:105 Resp: 617353

Ion	Ratio	Lower	Upper
105	100		
71	6.5	5.8	8.8
51	32.4	23.4	35.0
120	22.1	17.3	25.9





#23

Nitrobenzene-d5

Concen: 92.752 ng

RT: 7.439 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF142025.D

Acq: 21 Mar 2025 12:25

Instrument :

BNA_F

ClientSampleId :

PB167228BS

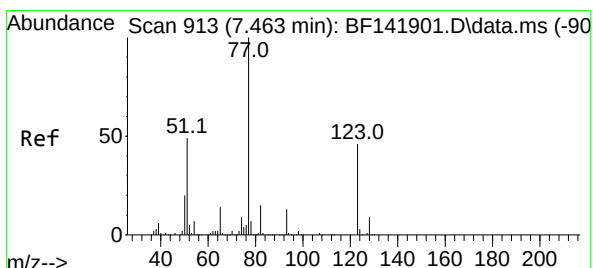
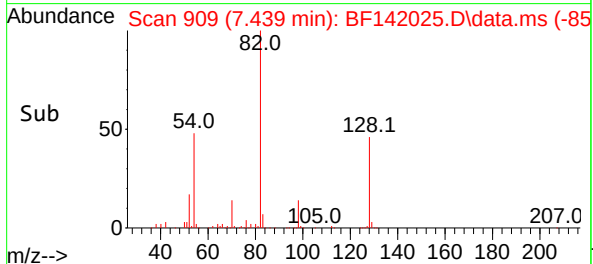
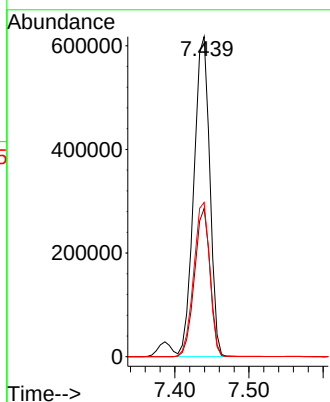
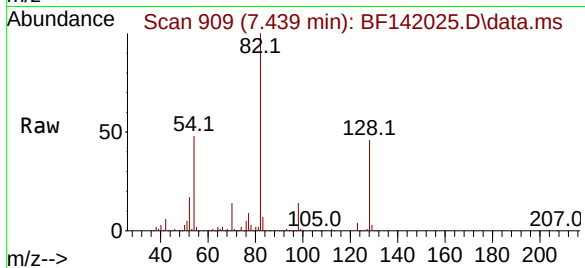
Tgt Ion: 82 Resp: 917585

Ion Ratio Lower Upper

82 100

128 46.3 36.0 54.0

54 48.2 39.6 59.4



#24

Nitrobenzene

Concen: 42.794 ng

RT: 7.457 min Scan# 912

Delta R.T. -0.006 min

Lab File: BF142025.D

Acq: 21 Mar 2025 12:25

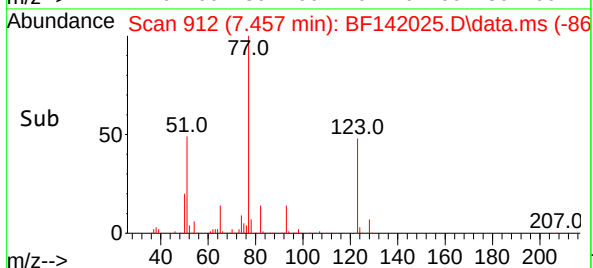
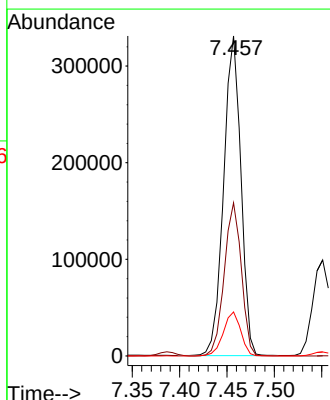
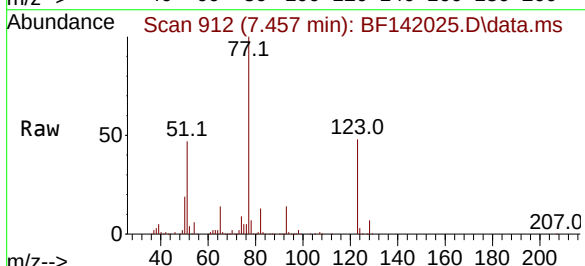
Tgt Ion: 77 Resp: 420865

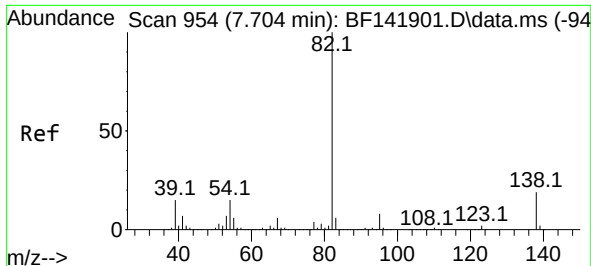
Ion Ratio Lower Upper

77 100

123 47.8 37.0 55.4

65 13.8 11.3 16.9

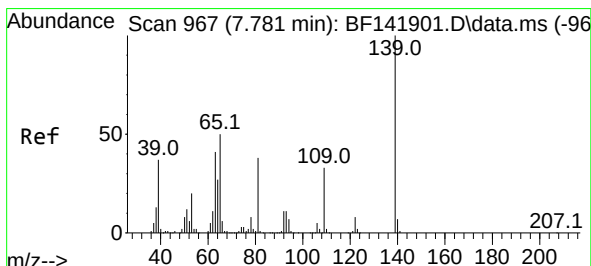
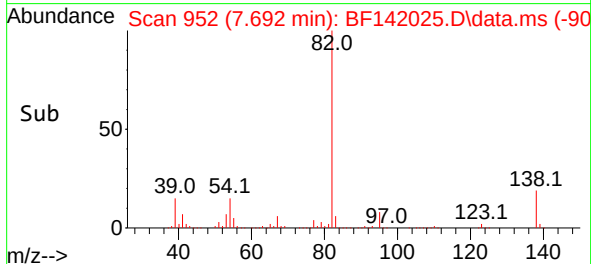
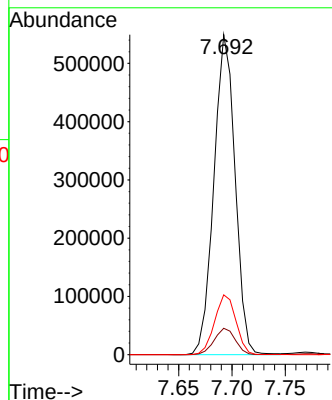
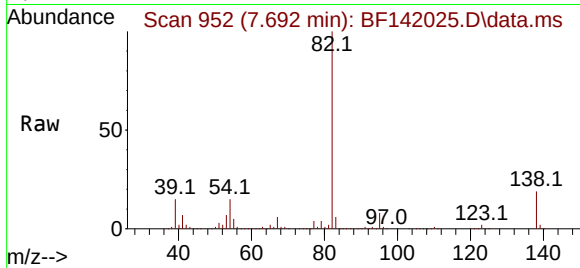




#25
Isophorone
Concen: 43.512 ng
RT: 7.692 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

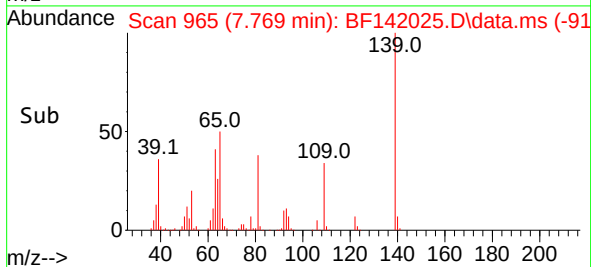
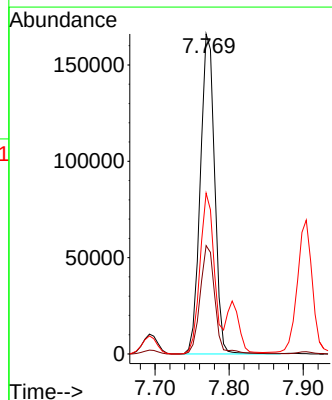
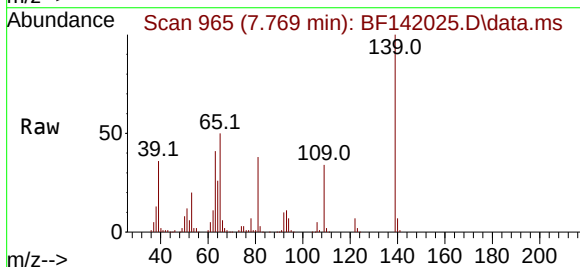
Instrument :
BNA_F
ClientSampleId :
PB167228BS

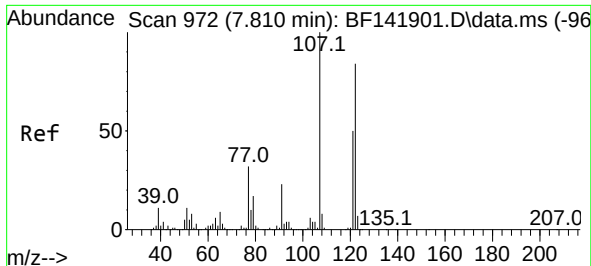
Tgt Ion: 82 Resp: 760904
Ion Ratio Lower Upper
82 100
95 8.3 6.4 9.6
138 18.7 14.9 22.3



#26
2-Nitrophenol
Concen: 46.260 ng
RT: 7.769 min Scan# 965
Delta R.T. -0.012 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

Tgt Ion:139 Resp: 223289
Ion Ratio Lower Upper
139 100
109 33.9 26.5 39.7
65 50.3 40.3 60.5

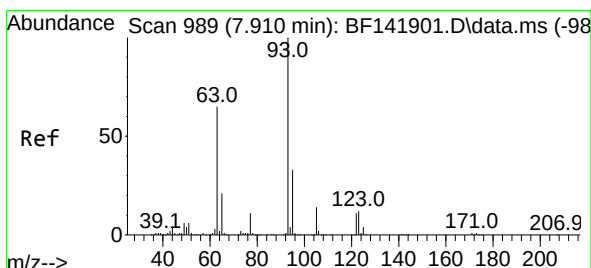
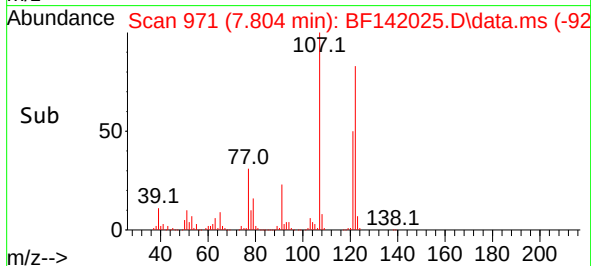
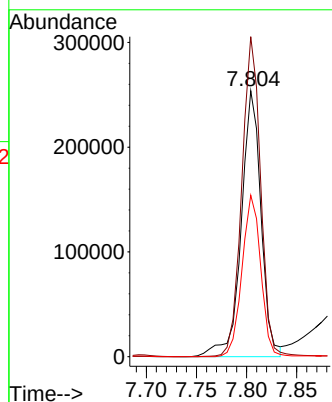
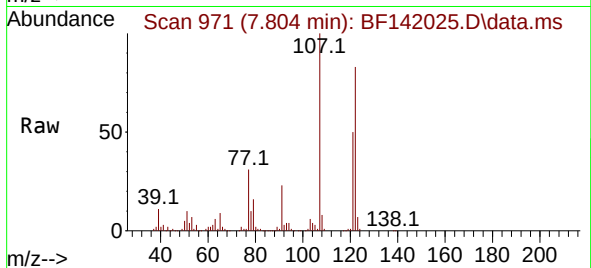




#27
2,4-Dimethylphenol
Concen: 52.589 ng
RT: 7.804 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

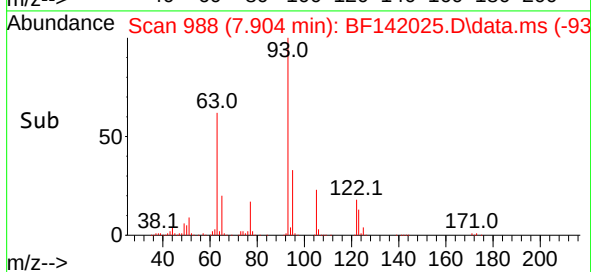
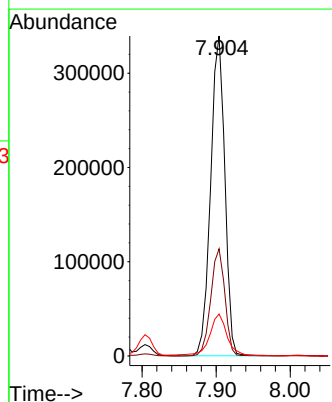
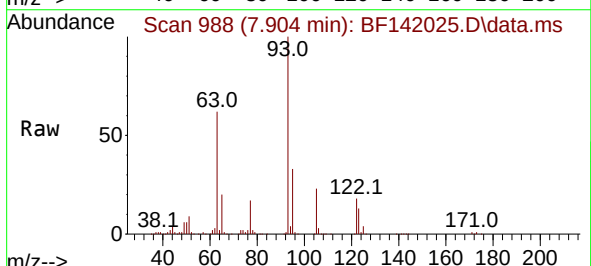
Instrument :
BNA_F
ClientSampleId :
PB167228BS

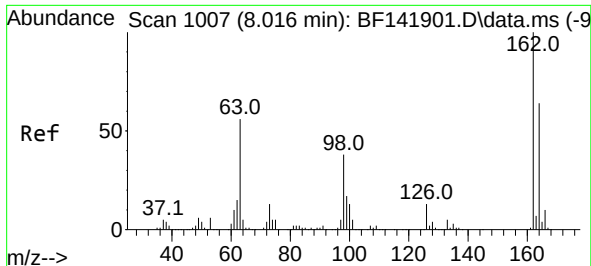
Tgt Ion:122 Resp: 349531
Ion Ratio Lower Upper
122 100
107 120.3 94.8 142.2
121 60.7 47.8 71.6



#28
bis(2-Chloroethoxy)methane
Concen: 41.135 ng
RT: 7.904 min Scan# 988
Delta R.T. -0.006 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

Tgt Ion: 93 Resp: 451175
Ion Ratio Lower Upper
93 100
95 33.5 26.6 40.0
123 13.1 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 43.502 ng

RT: 8.010 min Scan# 1006

Delta R.T. -0.006 min

Lab File: BF142025.D

Acq: 21 Mar 2025 12:25

Instrument :

BNA_F

ClientSampleId :

PB167228BS

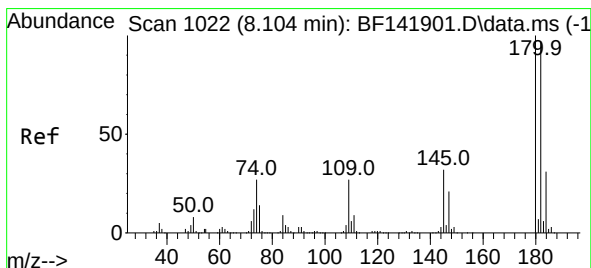
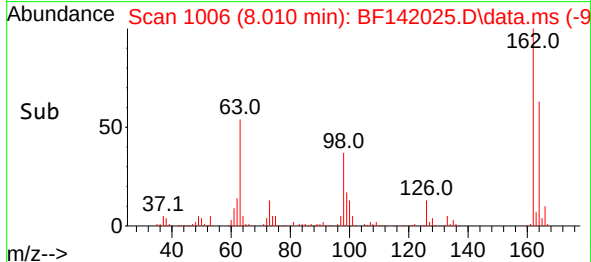
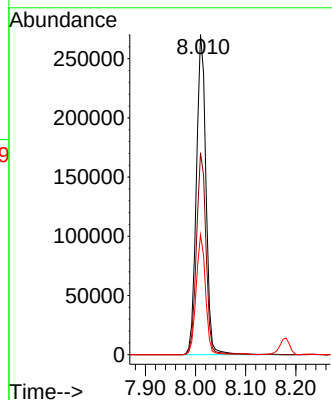
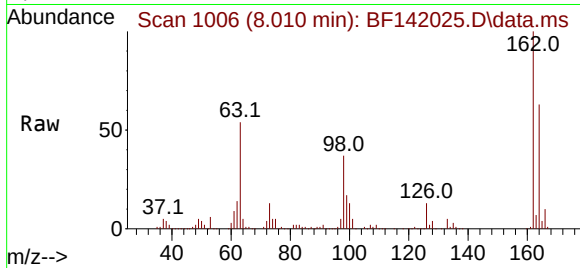
Tgt Ion:162 Resp: 358876

Ion Ratio Lower Upper

162 100

164 63.1 43.8 83.8

98 37.4 18.1 58.1



#30

1,2,4-Trichlorobenzene

Concen: 43.208 ng

RT: 8.098 min Scan# 1021

Delta R.T. -0.006 min

Lab File: BF142025.D

Acq: 21 Mar 2025 12:25

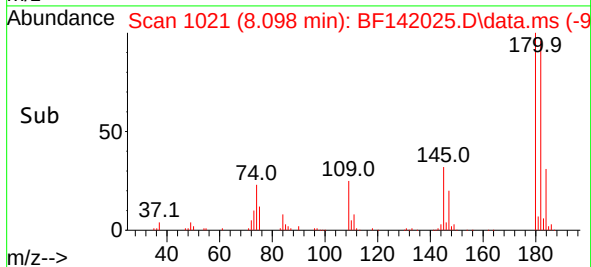
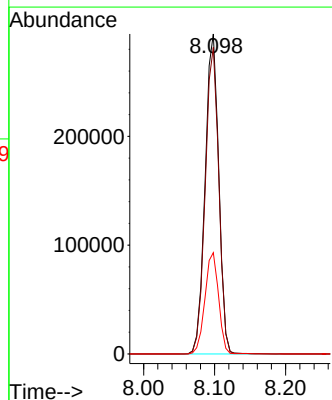
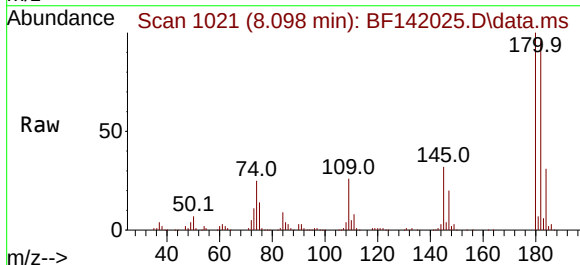
Tgt Ion:180 Resp: 392827

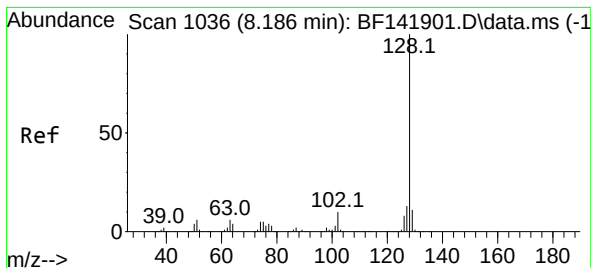
Ion Ratio Lower Upper

180 100

182 95.8 77.5 116.3

145 31.7 25.8 38.6





#31

Naphthalene

Concen: 41.860 ng

RT: 8.181 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142025.D

Acq: 21 Mar 2025 12:25

Instrument :

BNA_F

ClientSampleId :

PB167228BS

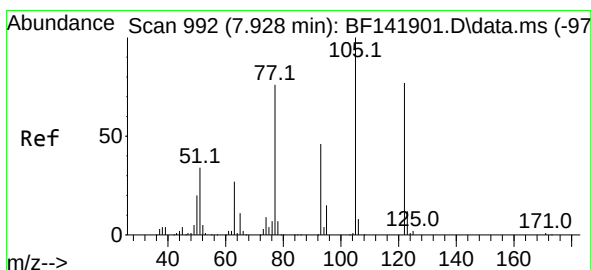
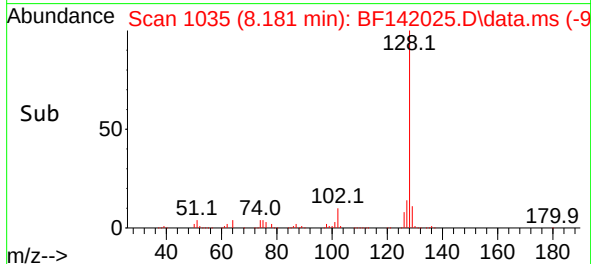
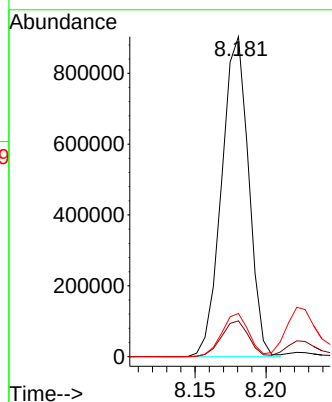
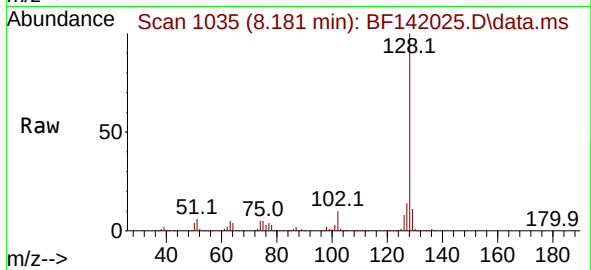
Tgt Ion:128 Resp: 1197124

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.6

127 13.5 10.8 16.2



#32

Benzoic acid

Concen: 45.562 ng

RT: 7.922 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF142025.D

Acq: 21 Mar 2025 12:25

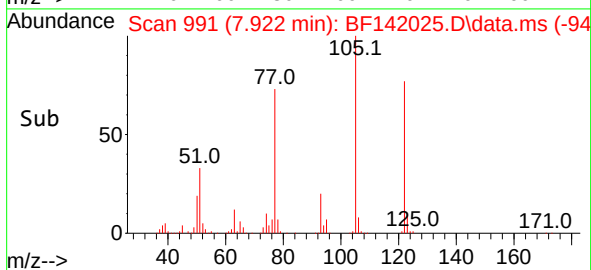
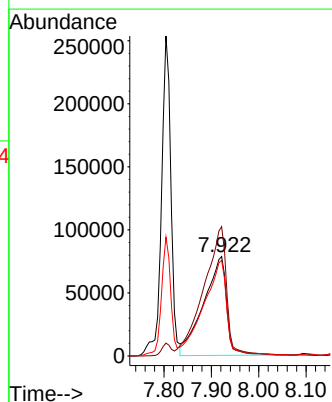
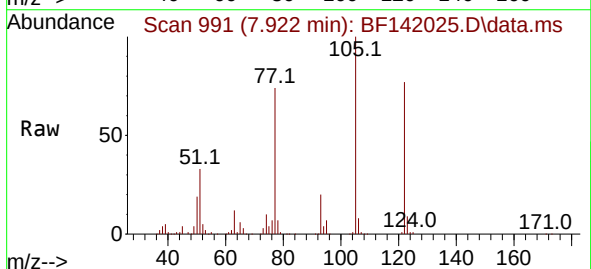
Tgt Ion:122 Resp: 266191

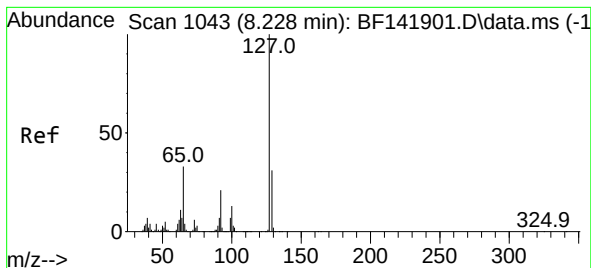
Ion Ratio Lower Upper

122 100

105 130.1 107.9 147.9

77 96.2 79.0 119.0





#33

4-Chloroaniline

Concen: 23.836 ng

RT: 8.222 min Scan# 1042

Delta R.T. -0.006 min

Lab File: BF142025.D

Acq: 21 Mar 2025 12:25

Instrument :

BNA_F

ClientSampleId :

PB167228BS

Tgt Ion:127 Resp: 240643

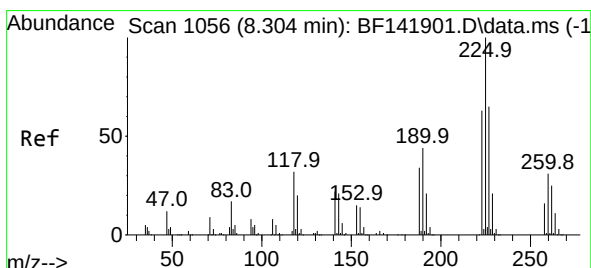
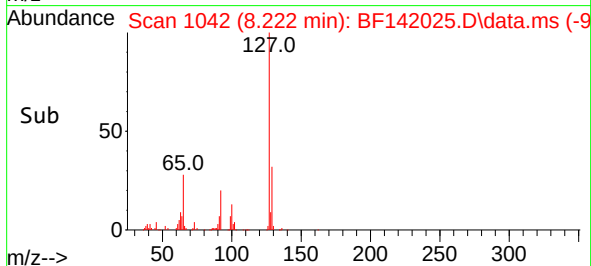
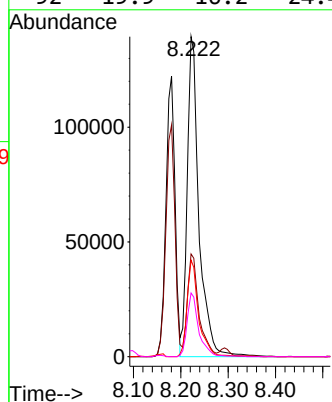
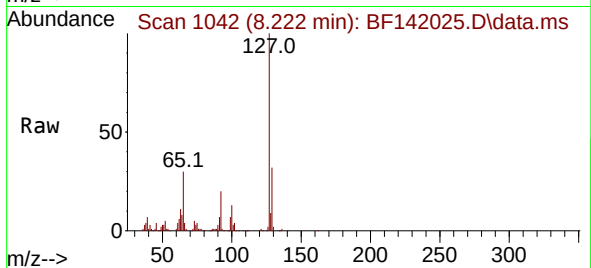
Ion Ratio Lower Upper

127 100

129 32.1 26.2 39.4

65 30.2 25.4 38.2

92 19.9 16.2 24.4



#34

Hexachlorobutadiene

Concen: 44.435 ng

RT: 8.292 min Scan# 1054

Delta R.T. -0.012 min

Lab File: BF142025.D

Acq: 21 Mar 2025 12:25

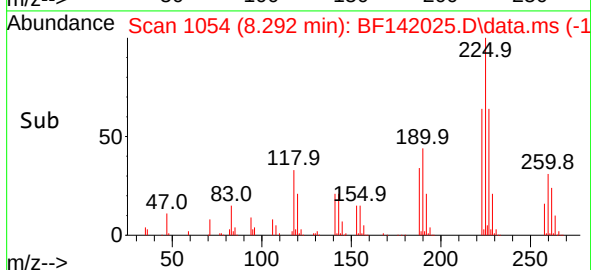
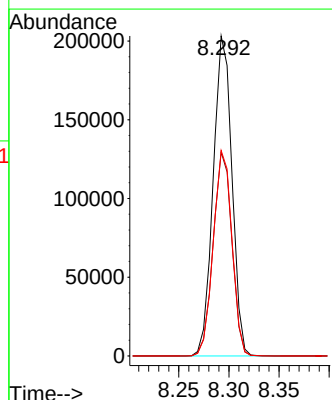
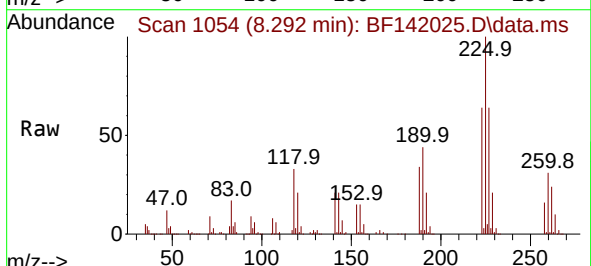
Tgt Ion:225 Resp: 263456

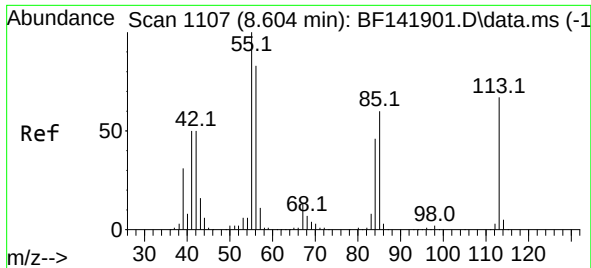
Ion Ratio Lower Upper

225 100

223 63.7 50.6 75.8

227 64.2 52.2 78.2





#35

Caprolactam

Concen: 34.075 ng

RT: 8.592 min Scan# 1105

Delta R.T. -0.012 min

Lab File: BF142025.D

Acq: 21 Mar 2025 12:25

Instrument :

BNA_F

ClientSampleId :

PB167228BS

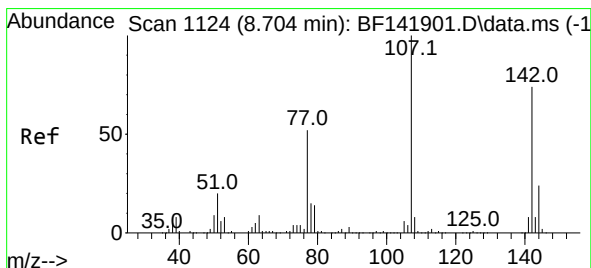
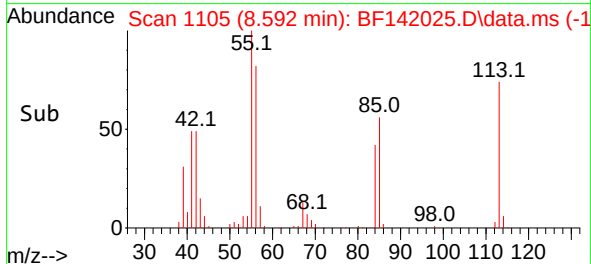
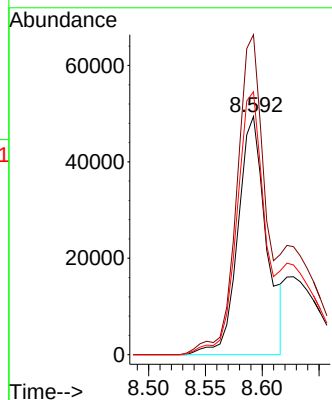
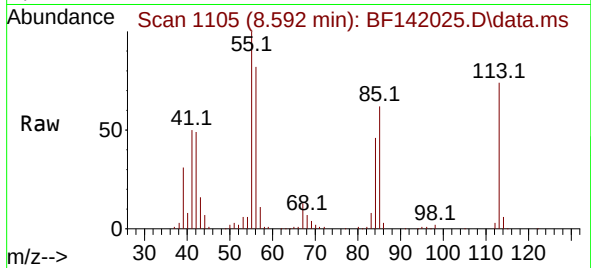
Tgt Ion:113 Resp: 85704

Ion Ratio Lower Upper

113 100

55 134.3 129.6 169.6

56 110.4 104.0 144.0



#36

4-Chloro-3-methylphenol

Concen: 41.707 ng

RT: 8.704 min Scan# 1124

Delta R.T. -0.000 min

Lab File: BF142025.D

Acq: 21 Mar 2025 12:25

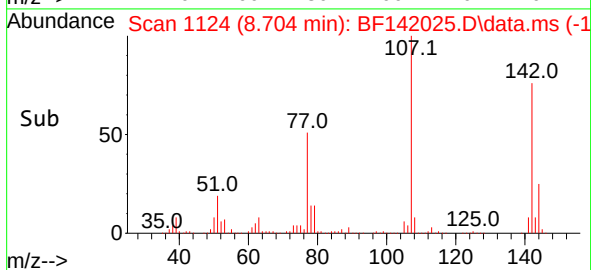
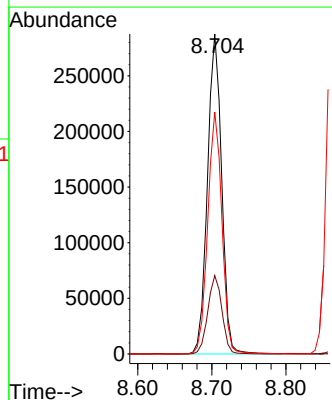
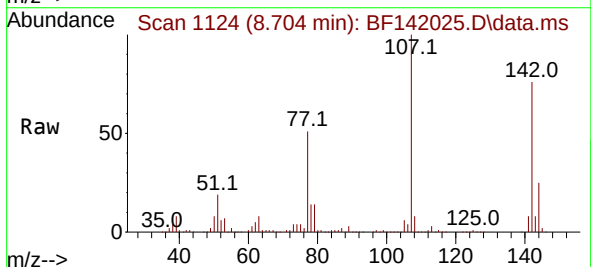
Tgt Ion:107 Resp: 383818

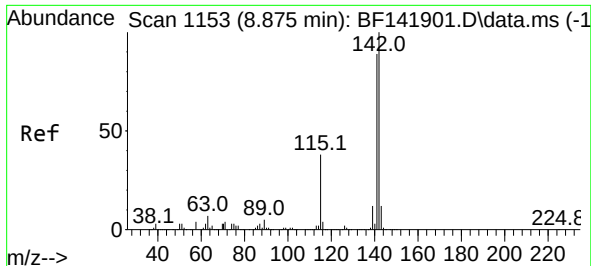
Ion Ratio Lower Upper

107 100

144 24.5 19.0 28.6

142 75.6 59.2 88.8

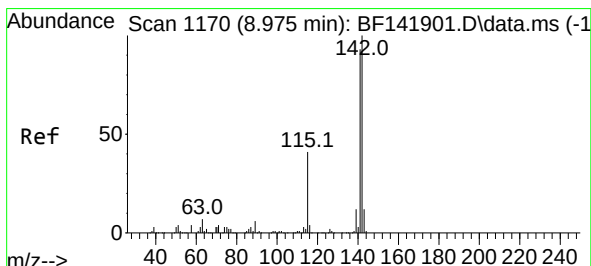
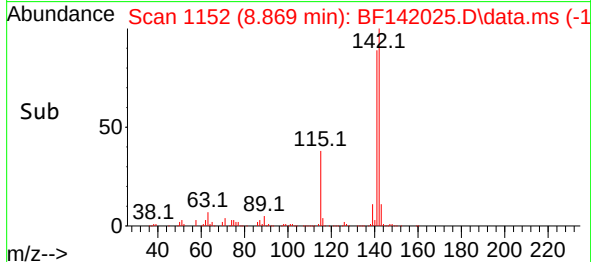
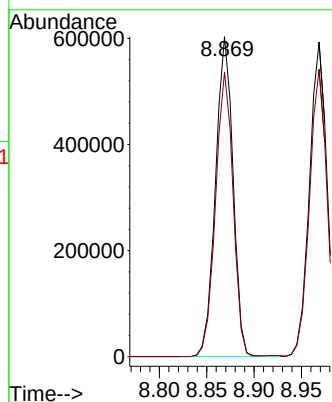
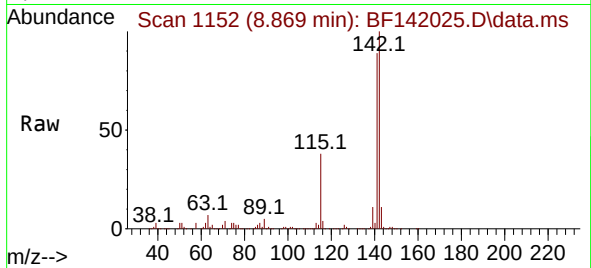




#37
2-Methylnaphthalene
Concen: 40.525 ng
RT: 8.869 min Scan# 1152
Delta R.T. -0.006 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

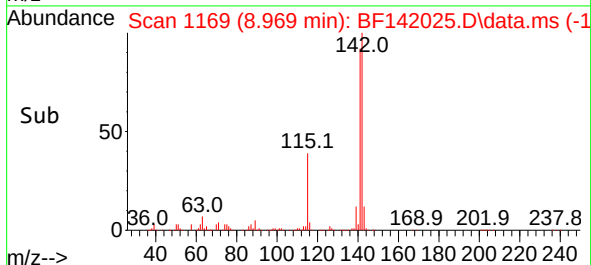
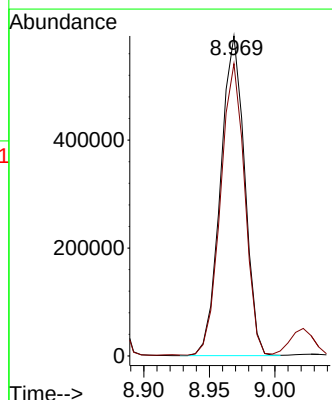
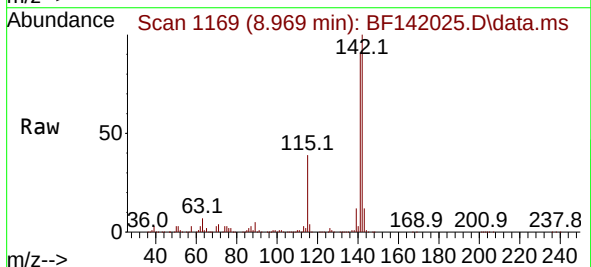
Instrument :
BNA_F
ClientSampleId :
PB167228BS

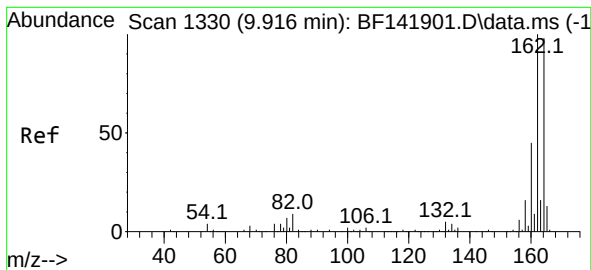
Tgt Ion:142 Resp: 774649
Ion Ratio Lower Upper
142 100
141 89.0 71.2 106.8



#38
1-Methylnaphthalene
Concen: 41.048 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

Tgt Ion:142 Resp: 757176
Ion Ratio Lower Upper
142 100
141 91.4 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: BF142025.D

Acq: 21 Mar 2025 12:25

Instrument :

BNA_F

ClientSampleId :

PB167228BS

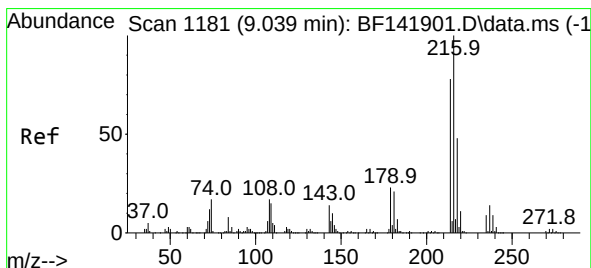
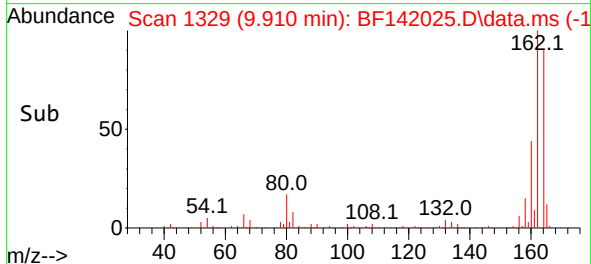
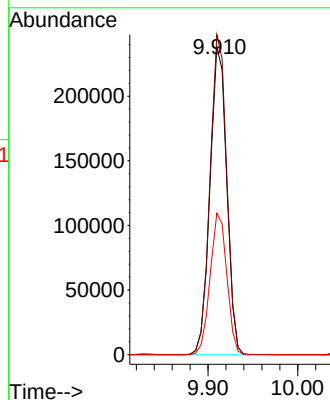
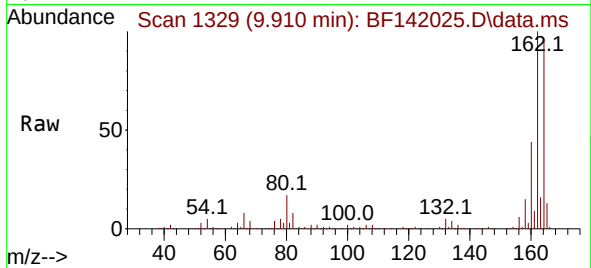
Tgt Ion:164 Resp: 307856

Ion Ratio Lower Upper

164 100

162 103.8 81.8 122.6

160 45.9 36.7 55.1



#40

1,2,4,5-Tetrachlorobenzene

Concen: 49.556 ng

RT: 9.033 min Scan# 1180

Delta R.T. -0.006 min

Lab File: BF142025.D

Acq: 21 Mar 2025 12:25

Tgt Ion:216 Resp: 464488

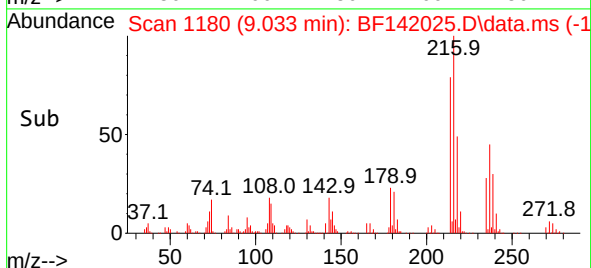
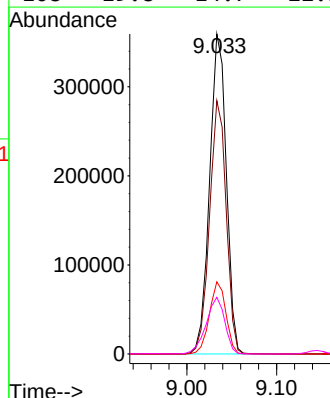
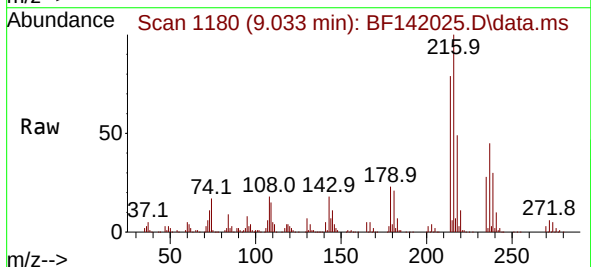
Ion Ratio Lower Upper

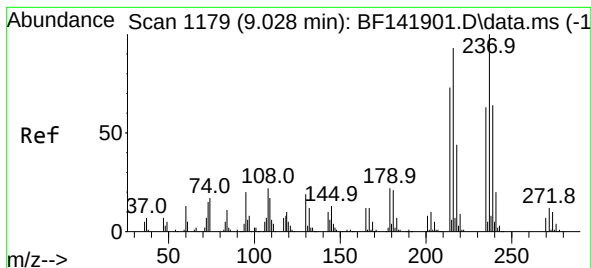
216 100

214 78.8 61.9 92.9

179 22.3 18.1 27.1

108 19.8 14.7 22.1





#41

Hexachlorocyclopentadiene

Concen: 152.208 ng

RT: 9.022 min Scan# 1179

Delta R.T. -0.006 min

Lab File: BF142025.D

Acq: 21 Mar 2025 12:25

Instrument :

BNA_F

ClientSampleId :

PB167228BS

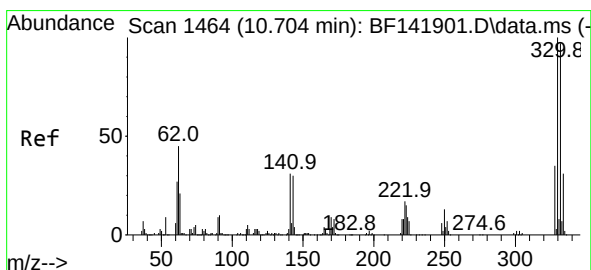
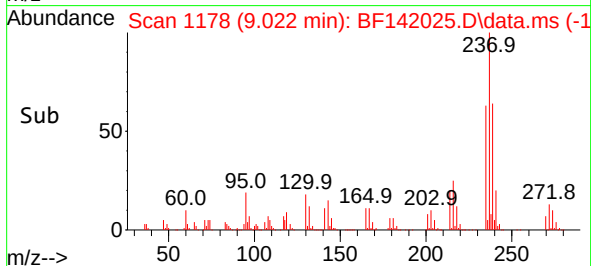
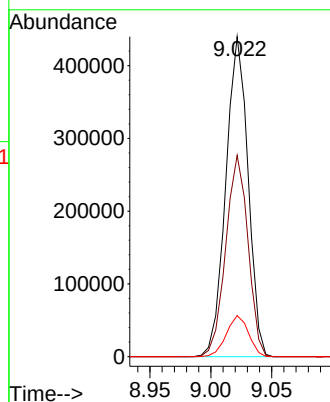
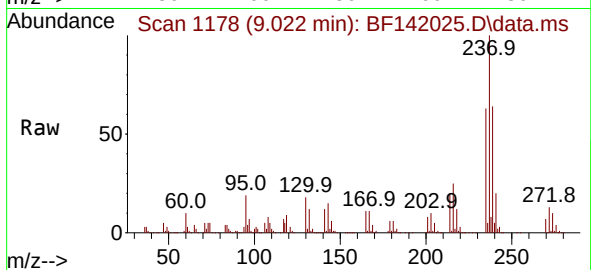
Tgt Ion:237 Resp: 558330

Ion Ratio Lower Upper

237 100

235 62.9 43.1 83.1

272 12.8 0.0 32.0



#42

2,4,6-Tribromophenol

Concen: 145.629 ng

RT: 10.704 min Scan# 1464

Delta R.T. 0.000 min

Lab File: BF142025.D

Acq: 21 Mar 2025 12:25

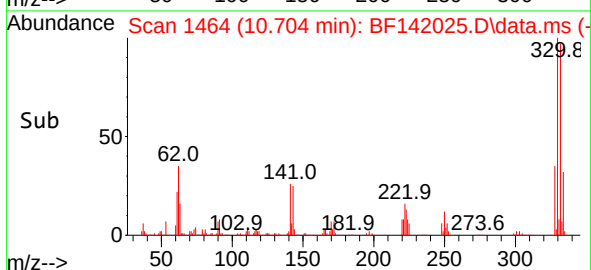
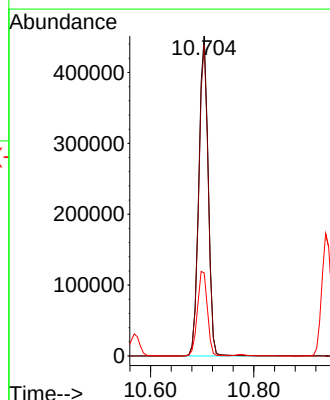
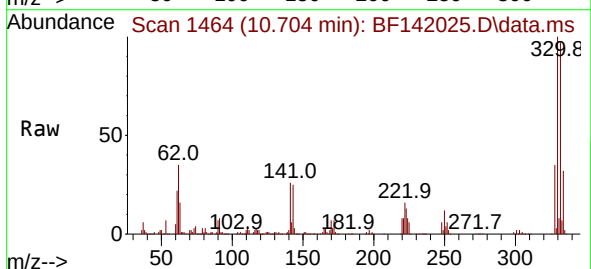
Tgt Ion:330 Resp: 568762

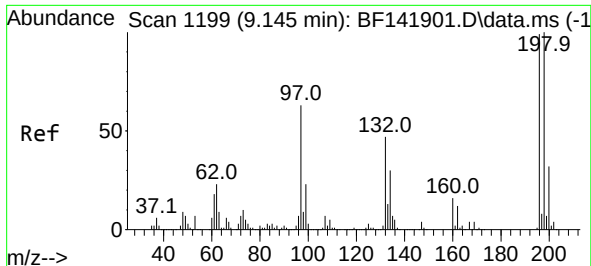
Ion Ratio Lower Upper

330 100

332 97.1 77.6 116.4

141 28.0 24.7 37.1





#43

2,4,6-Trichlorophenol

Concen: 43.904 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.000 min

Lab File: BF142025.D

Acq: 21 Mar 2025 12:25

Instrument :

BNA_F

ClientSampleId :

PB167228BS

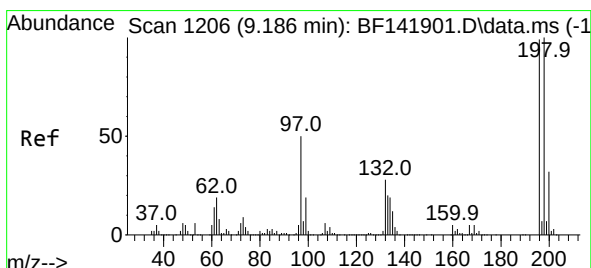
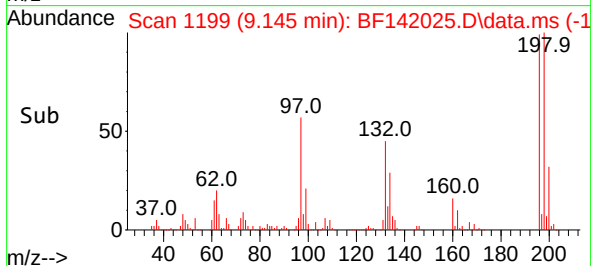
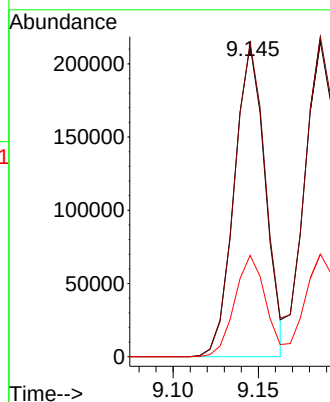
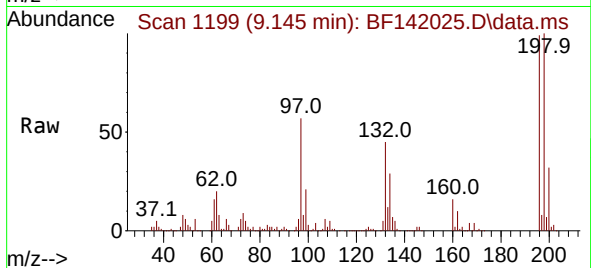
Tgt Ion:196 Resp: 268939

Ion Ratio Lower Upper

196 100

198 100.7 80.6 121.0

200 32.5 25.8 38.6



#44

2,4,5-Trichlorophenol

Concen: 45.636 ng

RT: 9.186 min Scan# 1206

Delta R.T. 0.000 min

Lab File: BF142025.D

Acq: 21 Mar 2025 12:25

Tgt Ion:196 Resp: 283125

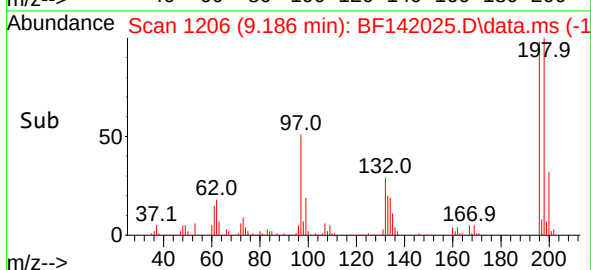
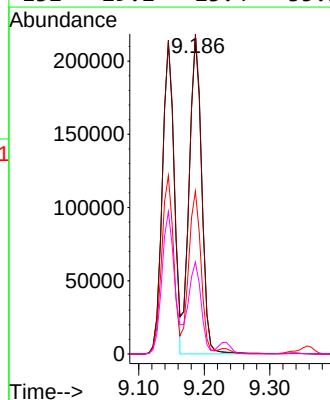
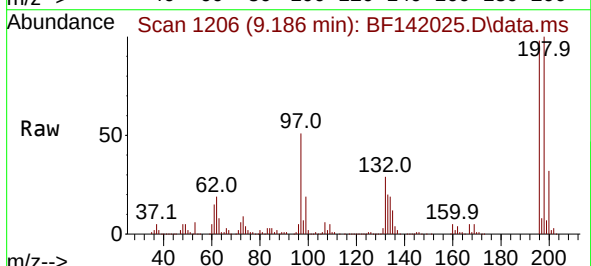
Ion Ratio Lower Upper

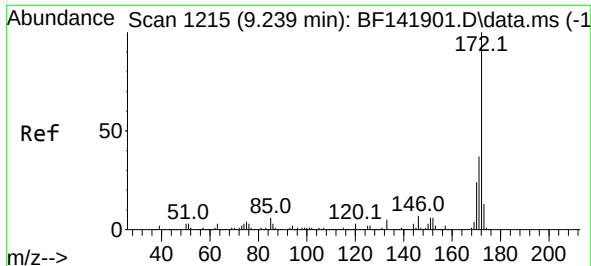
196 100

198 101.5 80.7 121.1

97 51.6 42.1 63.1

132 29.2 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 95.685 ng

RT: 9.233 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142025.D

Acq: 21 Mar 2025 12:25

Instrument :

BNA_F

ClientSampleId :

PB167228BS

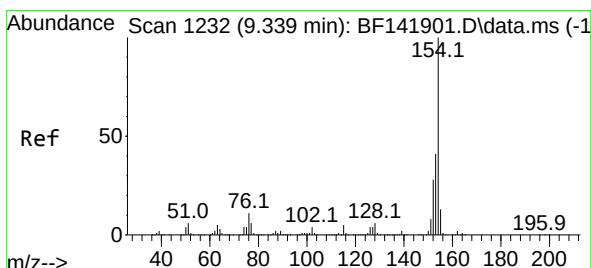
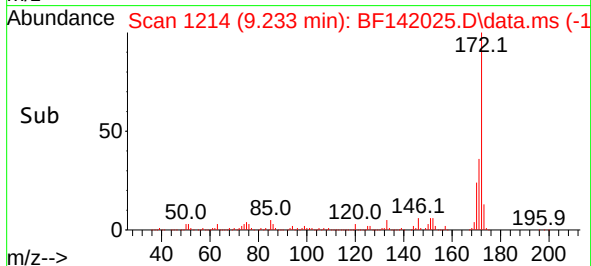
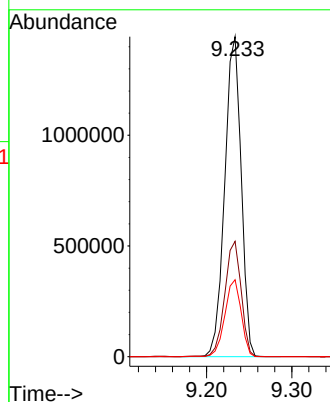
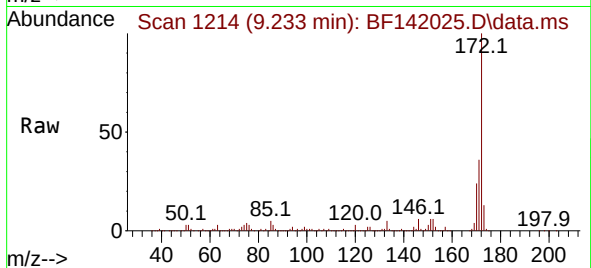
Tgt Ion:172 Resp: 1936932

Ion Ratio Lower Upper

172 100

171 36.1 29.3 43.9

170 24.1 19.4 29.0



#46

1,1'-Biphenyl

Concen: 48.385 ng

RT: 9.333 min Scan# 1231

Delta R.T. -0.006 min

Lab File: BF142025.D

Acq: 21 Mar 2025 12:25

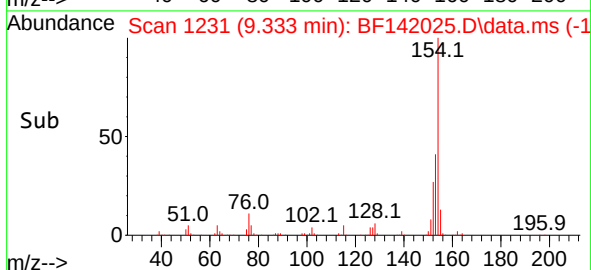
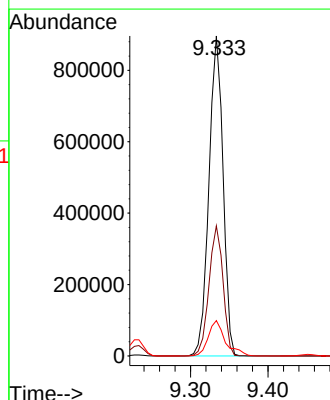
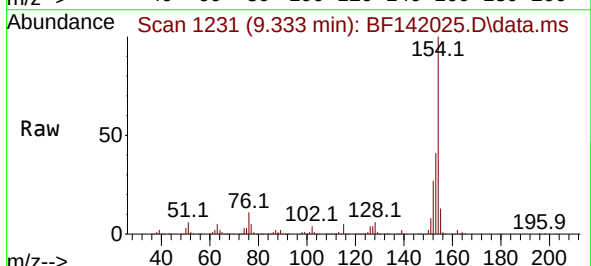
Tgt Ion:154 Resp: 1131780

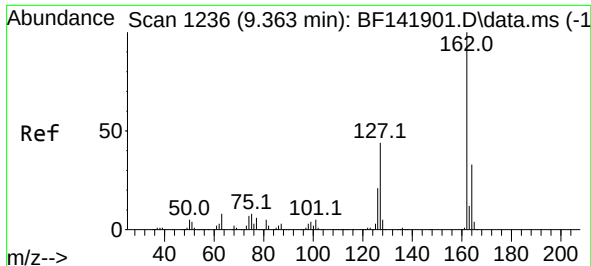
Ion Ratio Lower Upper

154 100

153 40.6 21.1 61.1

76 11.1 0.0 31.3

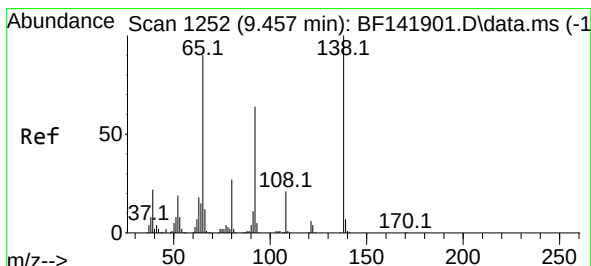
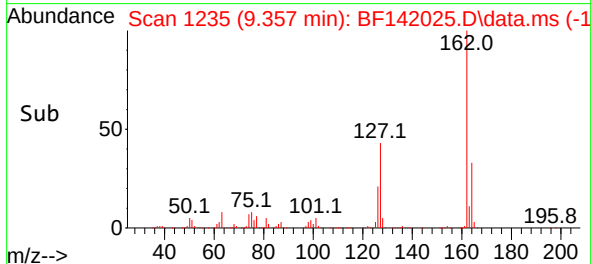
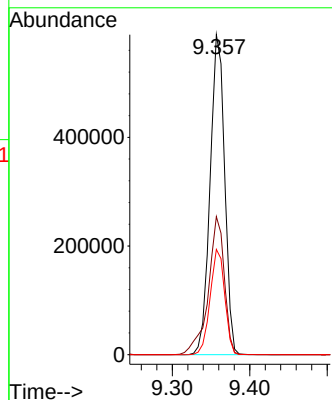
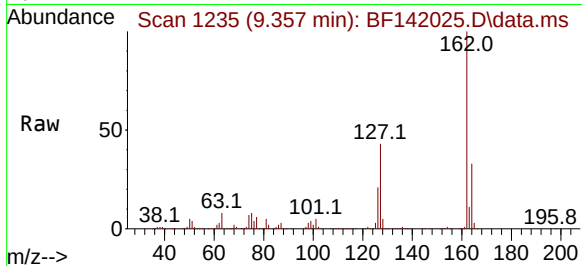




#47
2-Chloronaphthalene
Concen: 44.111 ng
RT: 9.357 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

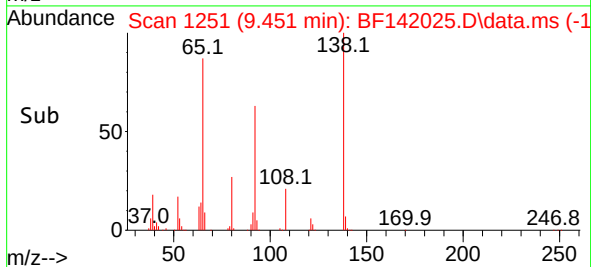
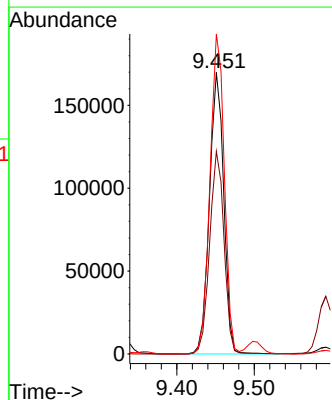
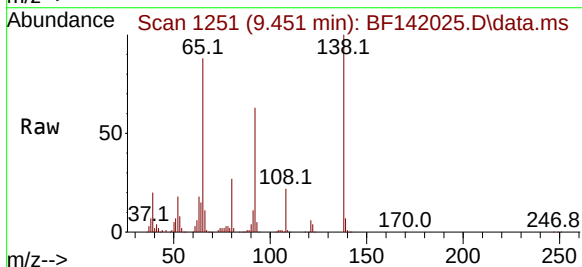
Instrument :
BNA_F
ClientSampleId :
PB167228BS

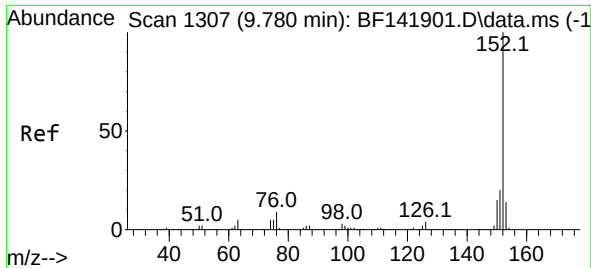
Tgt Ion:162 Resp: 769067
Ion Ratio Lower Upper
162 100
127 43.2 35.5 53.3
164 32.9 26.6 40.0



#48
2-Nitroaniline
Concen: 43.226 ng
RT: 9.451 min Scan# 1251
Delta R.T. -0.006 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

Tgt Ion: 65 Resp: 218209
Ion Ratio Lower Upper
65 100
92 72.0 56.6 84.8
138 113.7 88.6 133.0

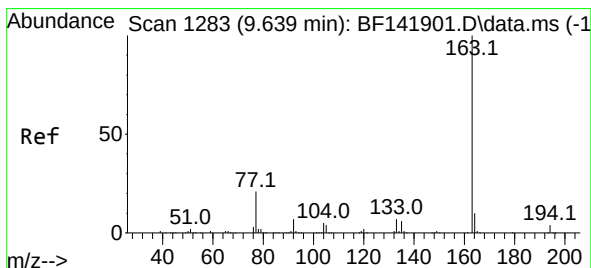
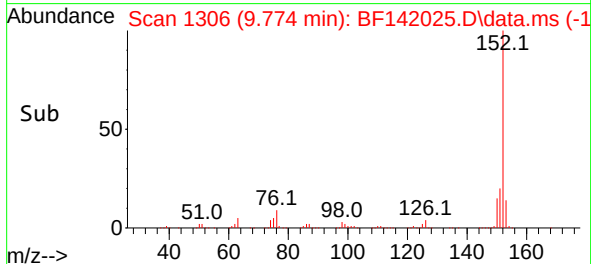
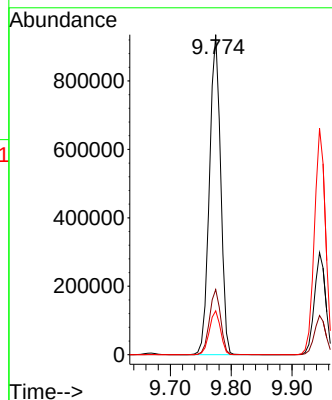
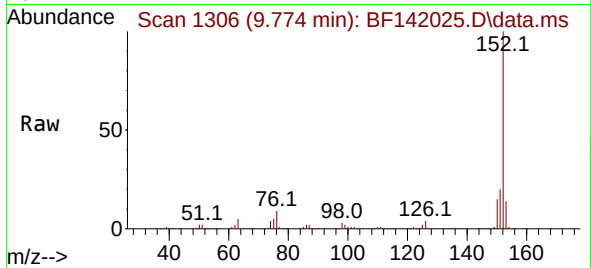




#49
Acenaphthylene
Concen: 46.172 ng
RT: 9.774 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

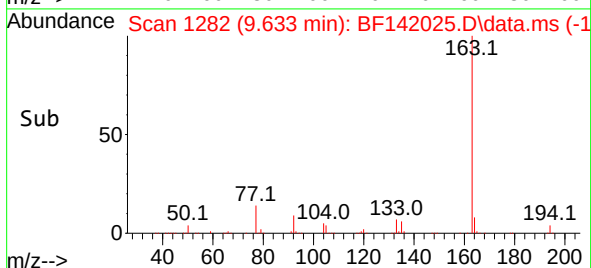
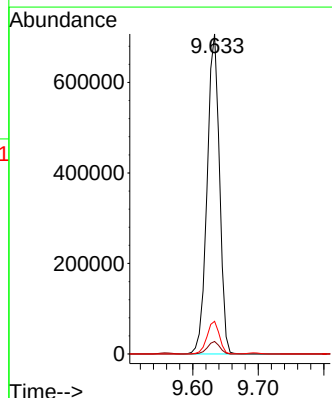
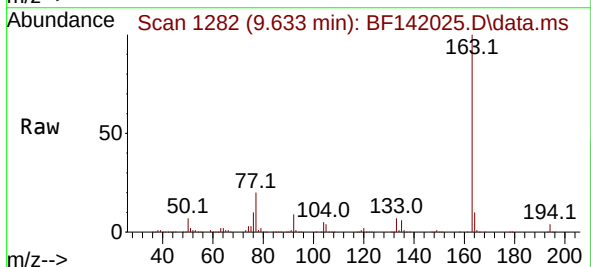
Instrument :
BNA_F
ClientSampleId :
PB167228BS

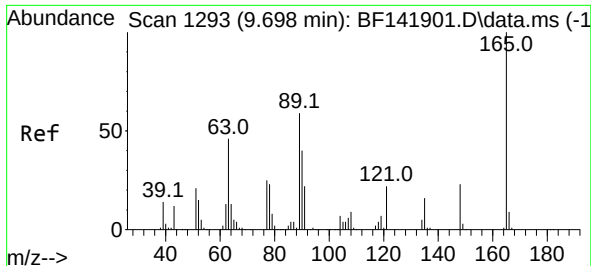
Tgt Ion:152 Resp: 1194573
Ion Ratio Lower Upper
152 100
151 20.3 16.3 24.5
153 13.7 11.1 16.7



#50
Dimethylphthalate
Concen: 43.031 ng
RT: 9.633 min Scan# 1282
Delta R.T. -0.006 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

Tgt Ion:163 Resp: 927676
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 10.2 8.2 12.4

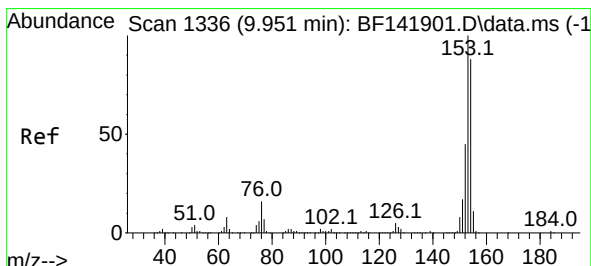
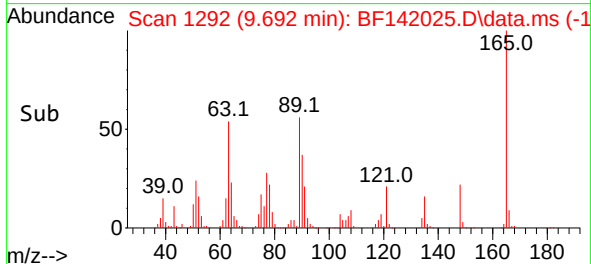
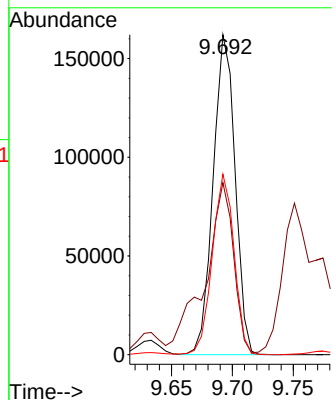
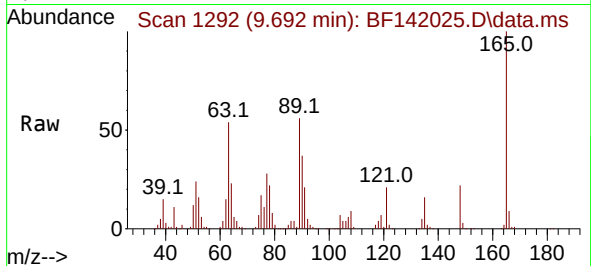




#51
2,6-Dinitrotoluene
Concen: 45.248 ng
RT: 9.692 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

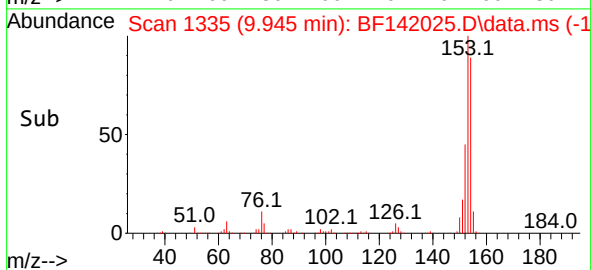
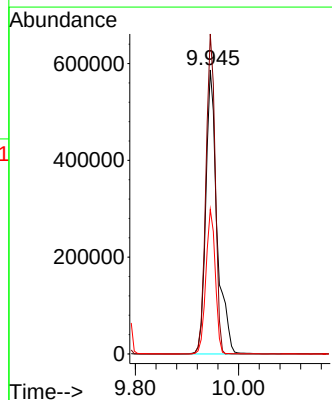
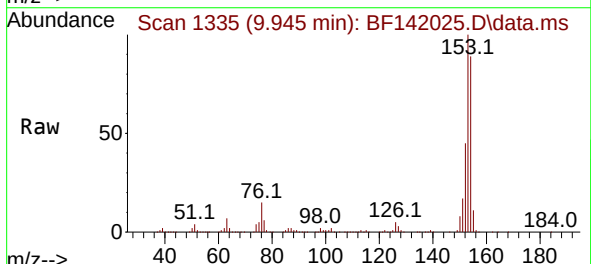
Instrument :
BNA_F
ClientSampleId :
PB167228BS

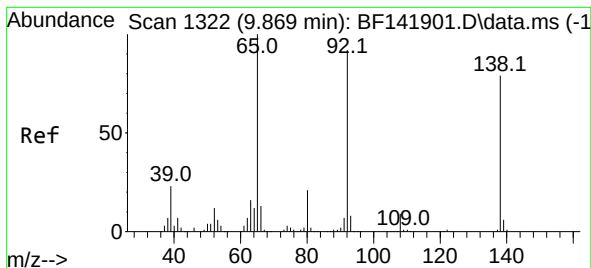
Tgt Ion:165 Resp: 203101
Ion Ratio Lower Upper
165 100
63 53.7 47.0 70.4
89 56.4 47.4 71.2



#52
Acenaphthene
Concen: 49.111 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

Tgt Ion:154 Resp: 892937
Ion Ratio Lower Upper
154 100
153 112.7 90.7 136.1
152 50.9 41.1 61.7

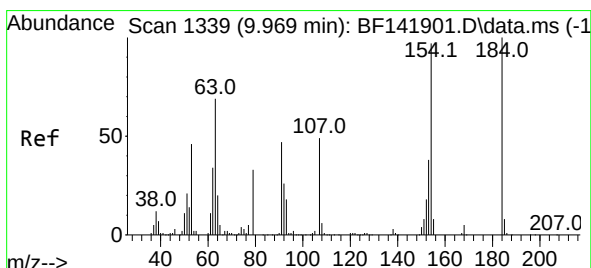
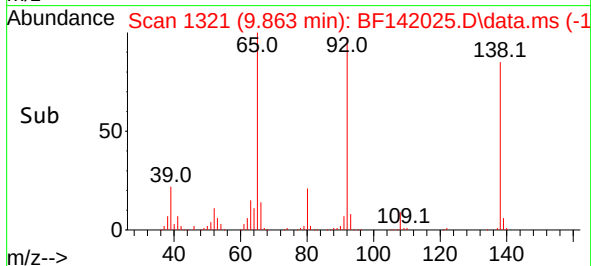
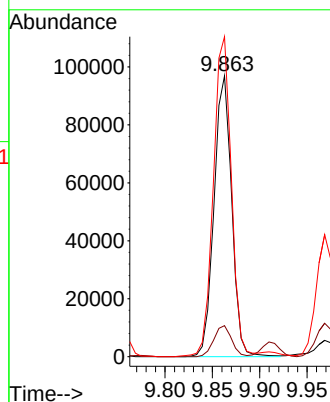
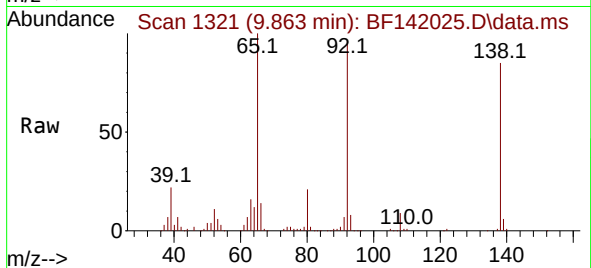




#53
3-Nitroaniline
Concen: 27.621 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

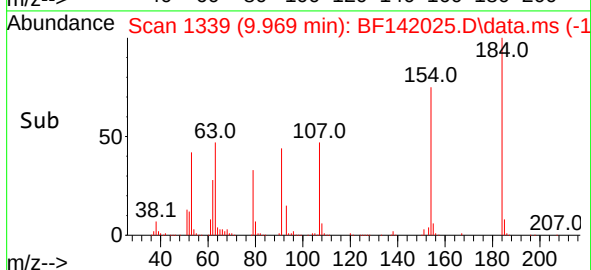
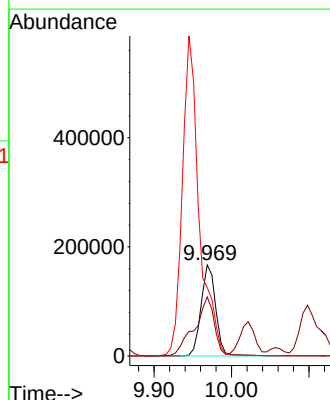
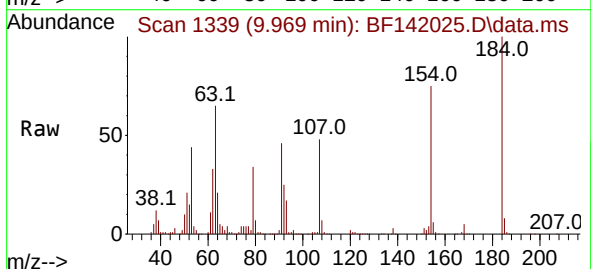
Instrument :
BNA_F
ClientSampleId :
PB167228BS

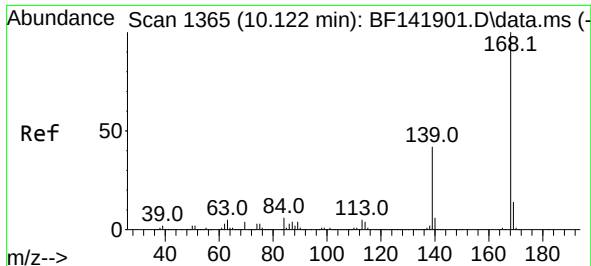
Tgt Ion:138 Resp: 125764
Ion Ratio Lower Upper
138 100
108 11.1 9.3 13.9
92 113.9 93.5 140.3



#54
2,4-Dinitrophenol
Concen: 85.253 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

Tgt Ion:184 Resp: 218623
Ion Ratio Lower Upper
184 100
63 64.9 60.2 90.4
154 75.0 132.9 199.3#

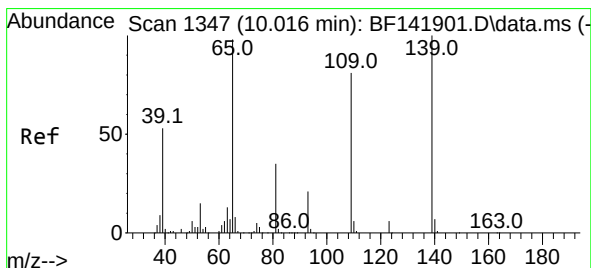
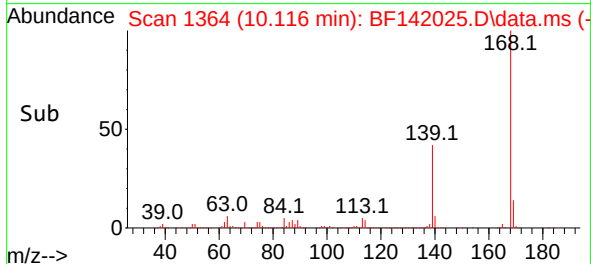
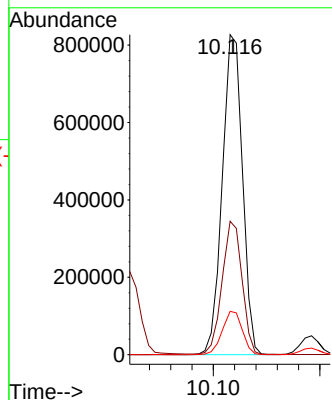
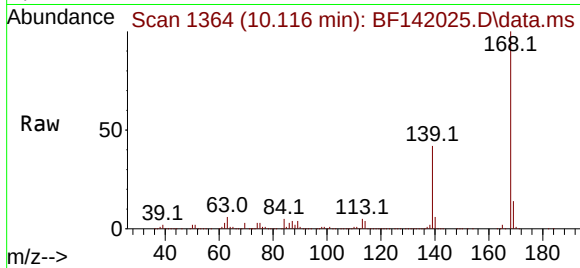




#55
Dibenzenofuran
Concen: 41.848 ng
RT: 10.116 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

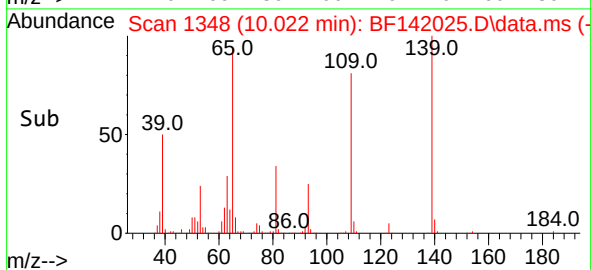
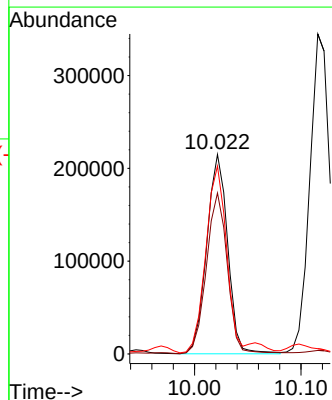
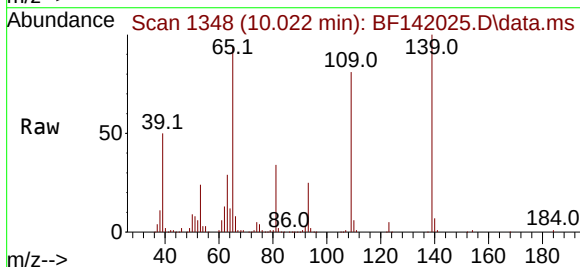
Instrument :
BNA_F
ClientSampleId :
PB167228BS

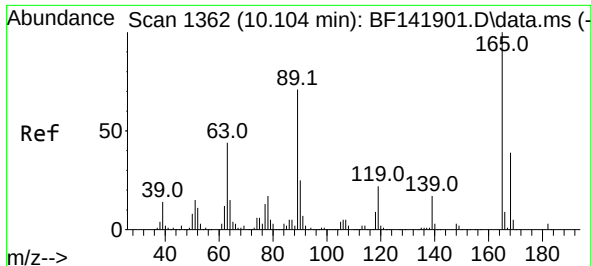
Tgt Ion:168 Resp: 1087200
Ion Ratio Lower Upper
168 100
139 41.7 33.9 50.9
169 13.6 11.0 16.4



#56
4-Nitrophenol
Concen: 85.718 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.006 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

Tgt Ion:139 Resp: 294328
Ion Ratio Lower Upper
139 100
109 80.7 61.6 101.6
65 94.1 79.4 119.4

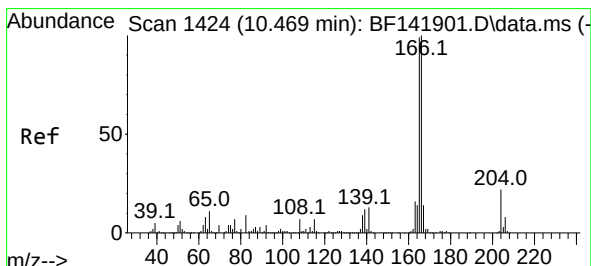
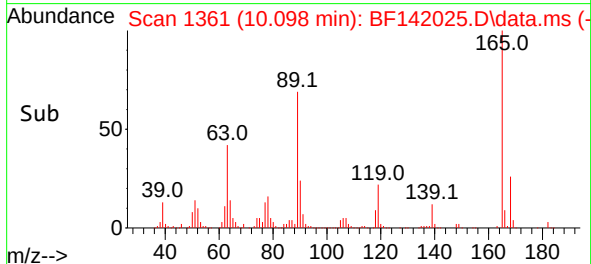
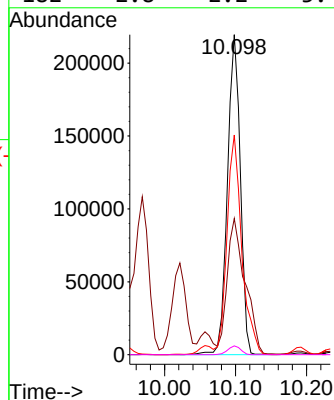
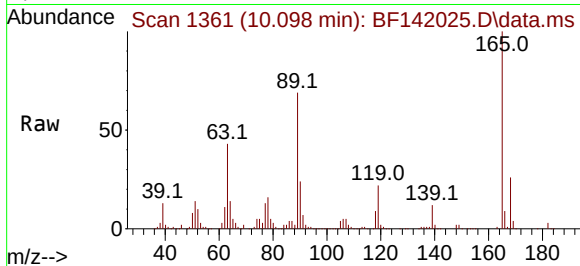




#57
2,4-Dinitrotoluene
Concen: 46.990 ng
RT: 10.098 min Scan# 1361
Delta R.T. -0.006 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

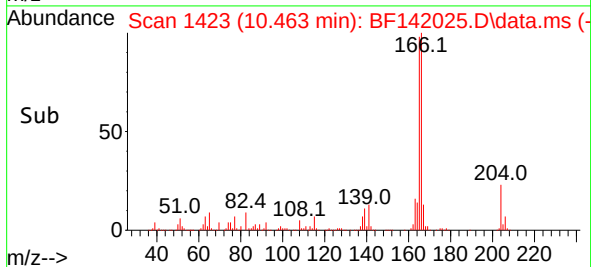
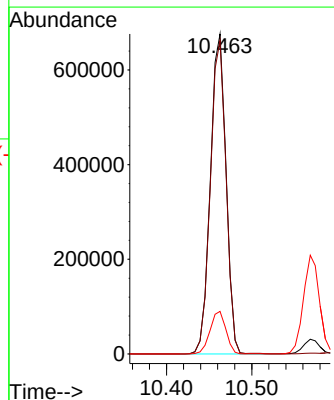
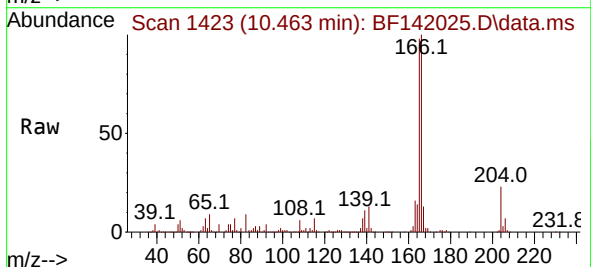
Instrument :
BNA_F
ClientSampleId :
PB167228BS

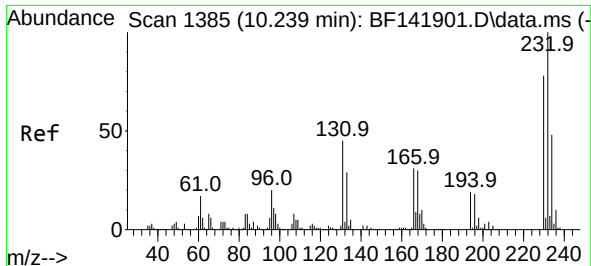
Tgt Ion:165 Resp: 275485
Ion Ratio Lower Upper
165 100
63 42.6 35.4 53.2
89 68.6 56.6 84.8
182 2.8 2.2 3.4



#58
Fluorene
Concen: 43.106 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

Tgt Ion:166 Resp: 863624
Ion Ratio Lower Upper
166 100
165 97.9 79.0 118.4
167 13.3 11.0 16.4

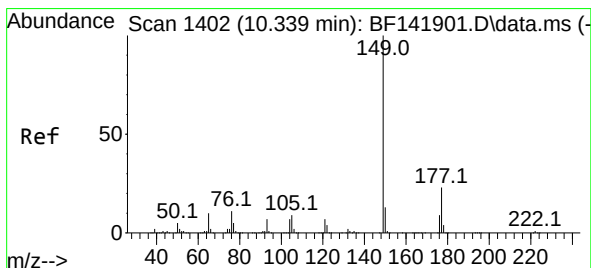
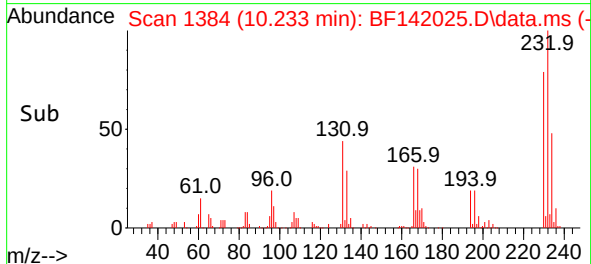
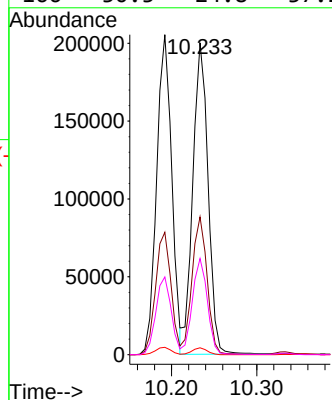
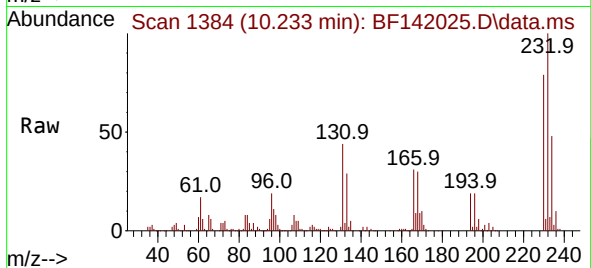




#59
2,3,4,6-Tetrachlorophenol
Concen: 44.102 ng
RT: 10.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

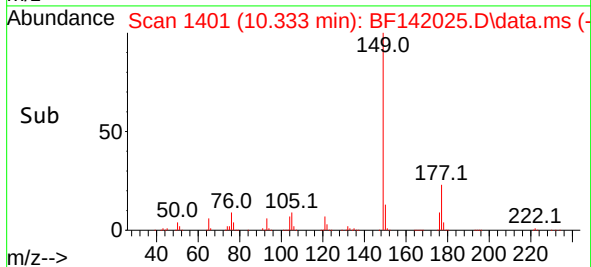
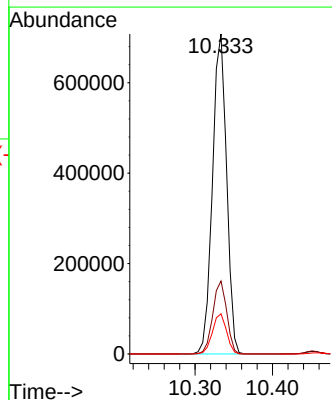
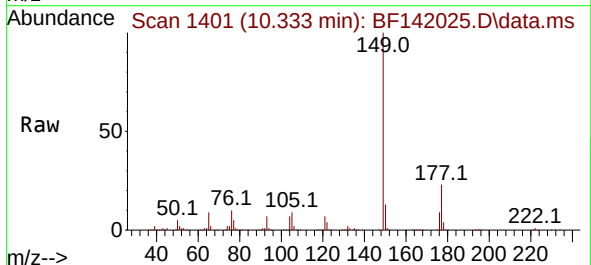
Instrument :
BNA_F
ClientSampleId :
PB167228BS

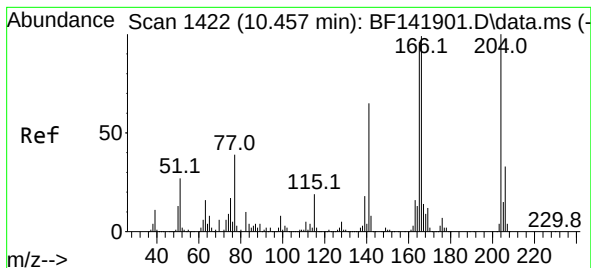
Tgt Ion:232 Resp: 248976
Ion Ratio Lower Upper
232 100
131 43.5 37.3 55.9
130 2.2 1.9 2.9
166 30.3 24.8 37.2



#60
Diethylphthalate
Concen: 41.651 ng
RT: 10.333 min Scan# 1401
Delta R.T. -0.006 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

Tgt Ion:149 Resp: 895359
Ion Ratio Lower Upper
149 100
177 22.8 18.0 27.0
150 12.6 10.2 15.4

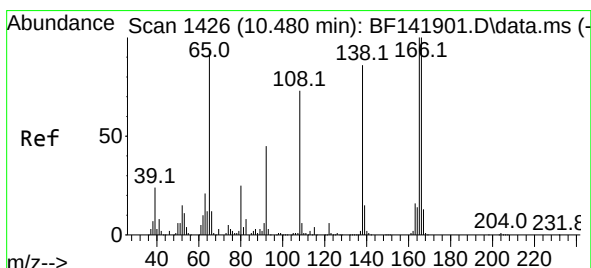
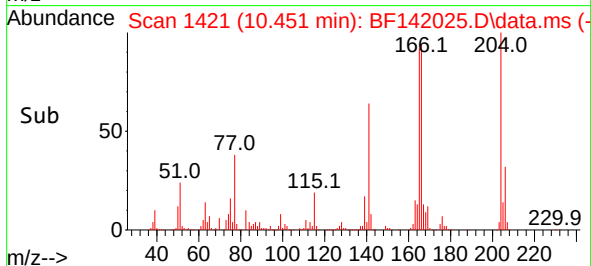
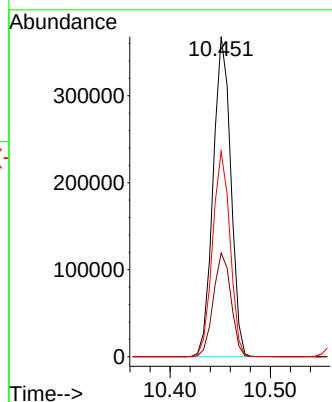
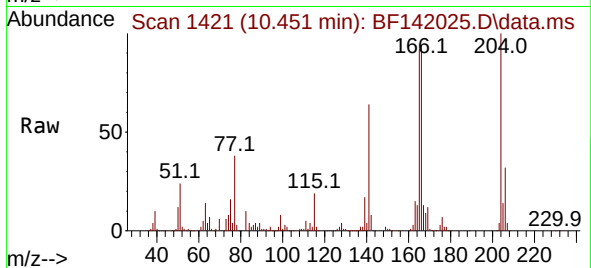




#61
4-Chlorophenyl-phenylether
Concen: 43.133 ng
RT: 10.451 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

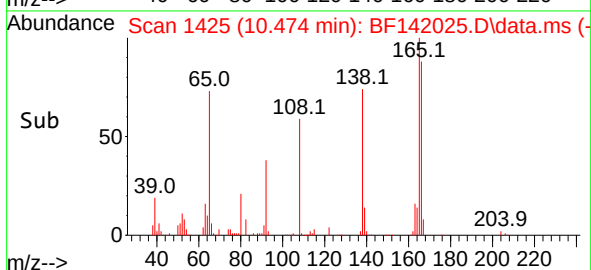
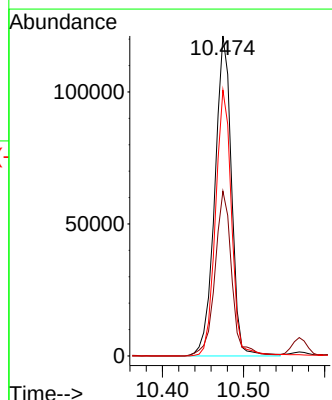
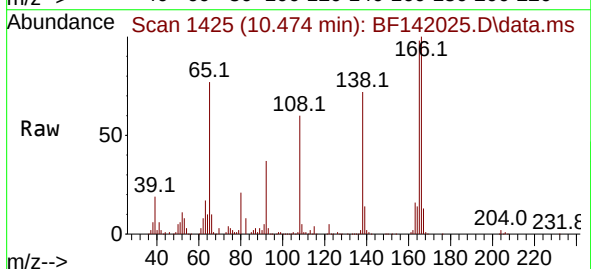
Instrument :
BNA_F
ClientSampleId :
PB167228BS

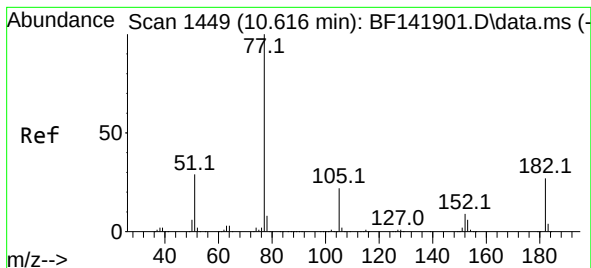
Tgt Ion:204 Resp: 450535
Ion Ratio Lower Upper
204 100
206 32.4 26.8 40.2
141 64.1 52.4 78.6



#62
4-Nitroaniline
Concen: 39.143 ng
RT: 10.474 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

Tgt Ion:138 Resp: 173513
Ion Ratio Lower Upper
138 100
92 51.5 32.6 72.6
108 83.1 65.0 105.0





#63

Azobenzene

Concen: 40.368 ng

RT: 10.610 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF142025.D

Acq: 21 Mar 2025 12:25

Instrument :

BNA_F

ClientSampleId :

PB167228BS

Tgt Ion: 77 Resp: 806770

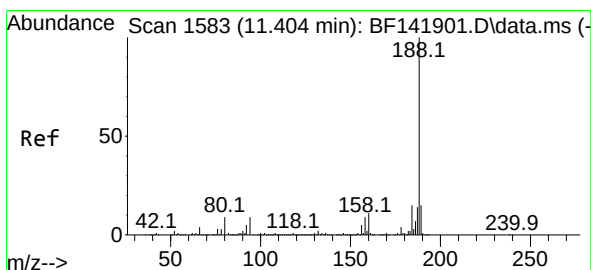
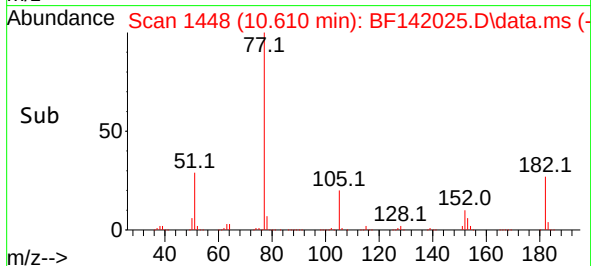
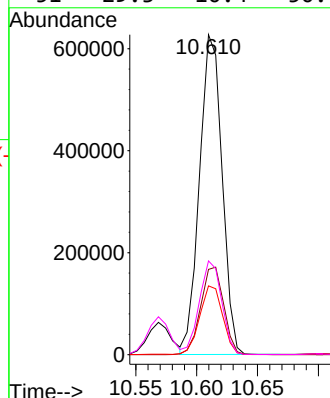
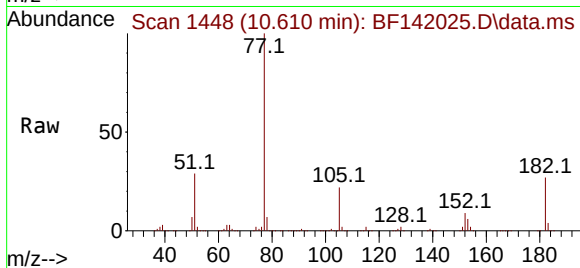
Ion Ratio Lower Upper

77 100

182 26.6 6.6 46.6

105 21.5 1.3 41.3

51 29.3 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: BF142025.D

Acq: 21 Mar 2025 12:25

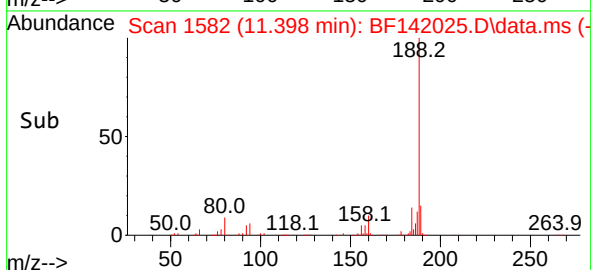
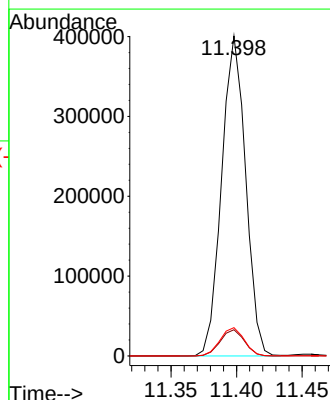
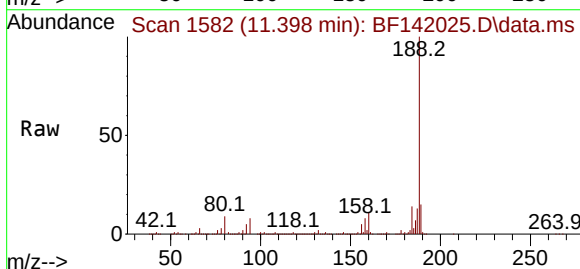
Tgt Ion: 188 Resp: 509905

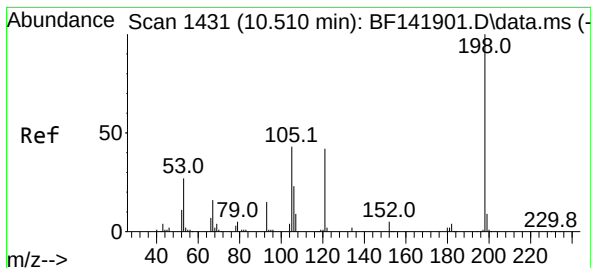
Ion Ratio Lower Upper

188 100

94 8.2 6.8 10.2

80 8.9 7.6 11.4

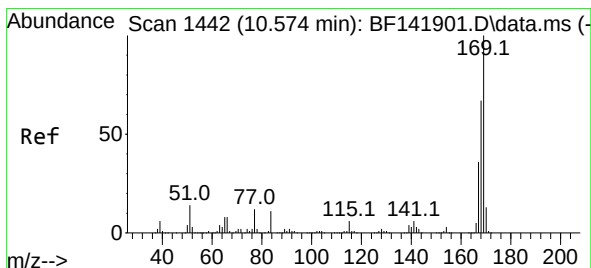
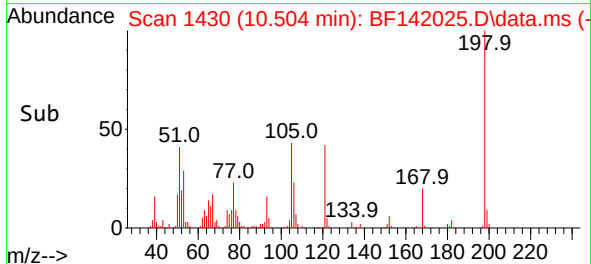
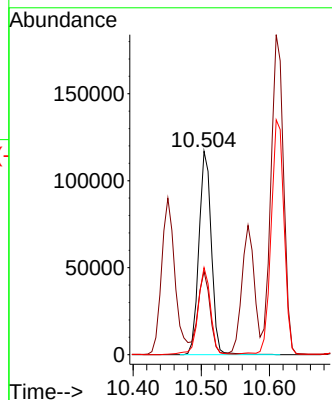
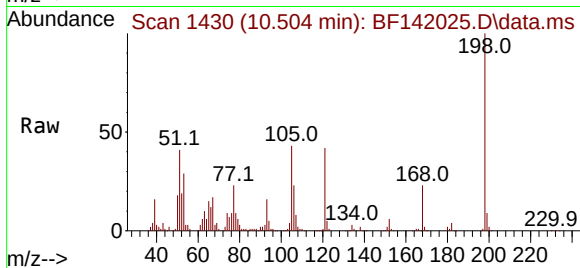




#65
4,6-Dinitro-2-methylphenol
Concen: 48.584 ng
RT: 10.504 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

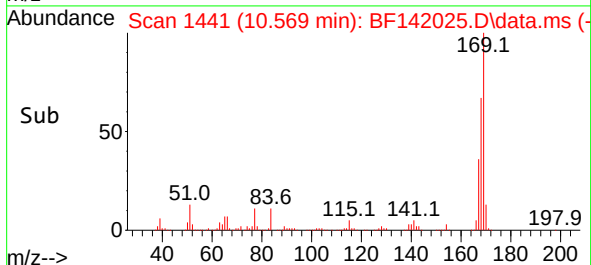
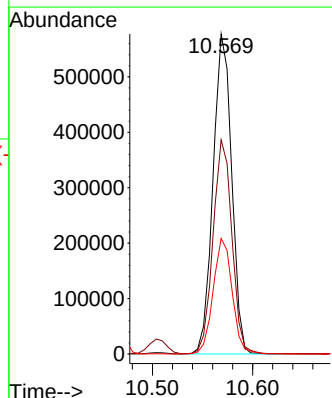
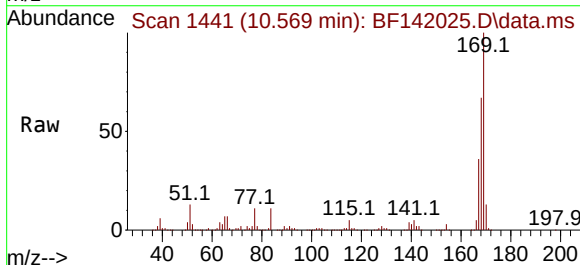
Instrument :
BNA_F
ClientSampleId :
PB167228BS

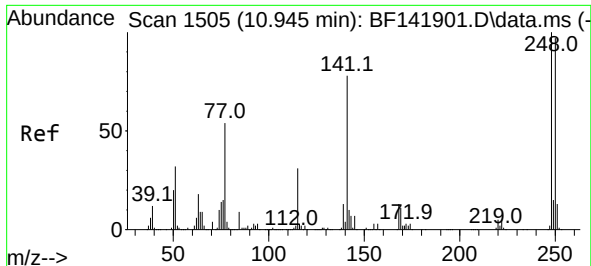
Tgt Ion:198 Resp: 147684
Ion Ratio Lower Upper
198 100
51 40.9 22.3 62.3
105 42.8 23.0 63.0



#66
n-Nitrosodiphenylamine
Concen: 45.117 ng
RT: 10.569 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

Tgt Ion:169 Resp: 744460
Ion Ratio Lower Upper
169 100
168 66.9 53.7 80.5
167 36.1 29.2 43.8

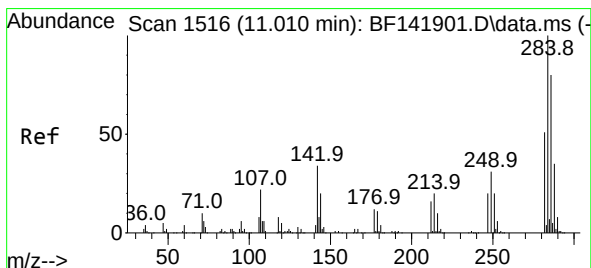
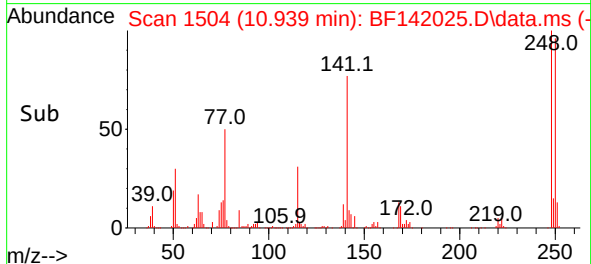
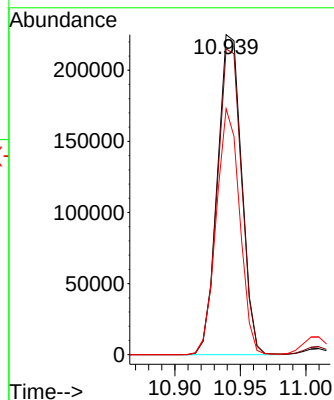
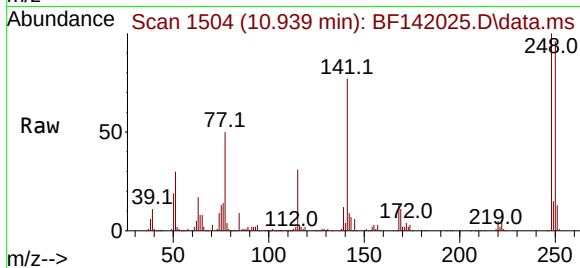




#67
4-Bromophenyl-phenylether
Concen: 45.190 ng
RT: 10.939 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

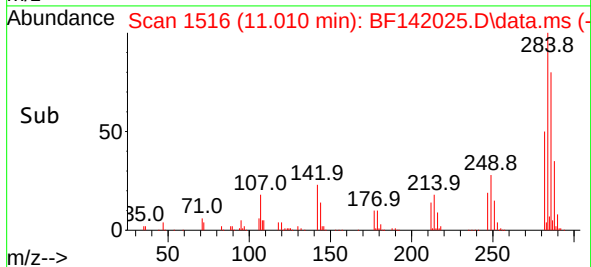
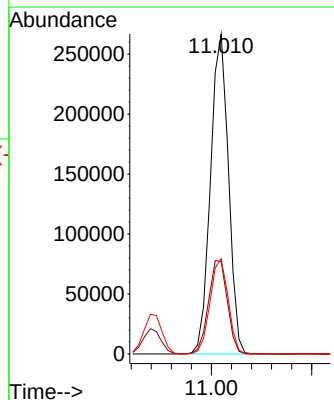
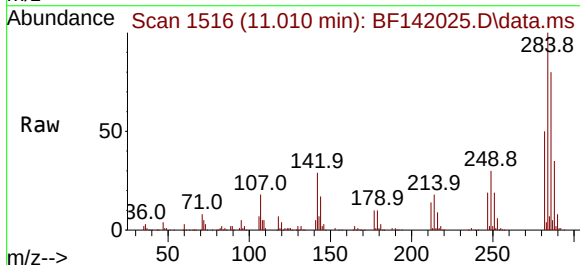
Instrument :
BNA_F
ClientSampleId :
PB167228BS

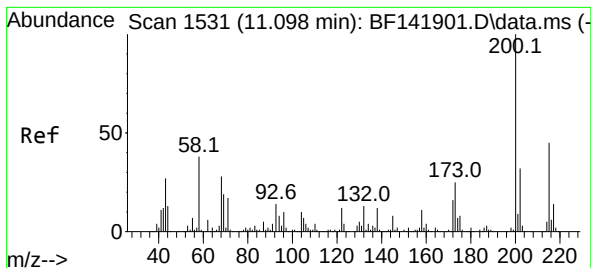
Tgt Ion:248 Resp: 289389
Ion Ratio Lower Upper
248 100
250 95.6 77.8 116.8
141 76.8 62.6 93.8



#68
Hexachlorobenzene
Concen: 47.191 ng
RT: 11.010 min Scan# 1516
Delta R.T. -0.000 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

Tgt Ion:284 Resp: 331449
Ion Ratio Lower Upper
284 100
142 28.9 27.0 40.6
249 29.8 25.2 37.8





#69

Atrazine

Concen: 57.027 ng

RT: 11.098 min Scan# 1531

Delta R.T. -0.000 min

Lab File: BF142025.D

Acq: 21 Mar 2025 12:25

Instrument :

BNA_F

ClientSampleId :

PB167228BS

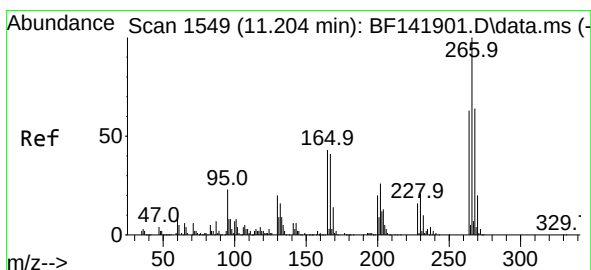
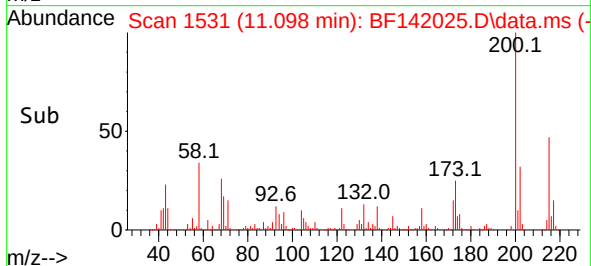
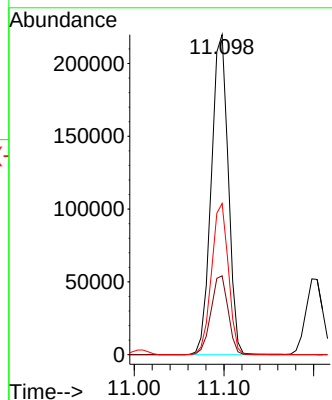
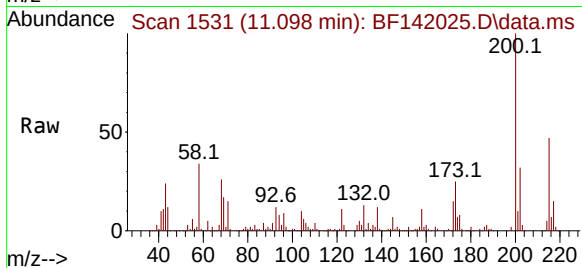
Tgt Ion:200 Resp: 288469

Ion Ratio Lower Upper

200 100

173 24.7 4.7 44.7

215 47.2 25.4 65.4



#70

Pentachlorophenol

Concen: 86.556 ng

RT: 11.204 min Scan# 1549

Delta R.T. 0.000 min

Lab File: BF142025.D

Acq: 21 Mar 2025 12:25

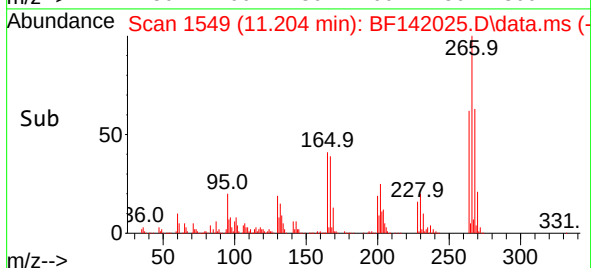
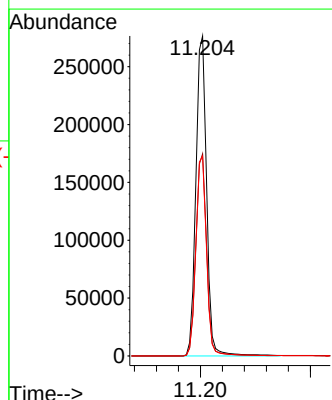
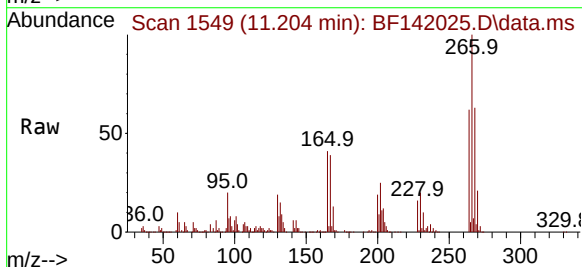
Tgt Ion:266 Resp: 374563

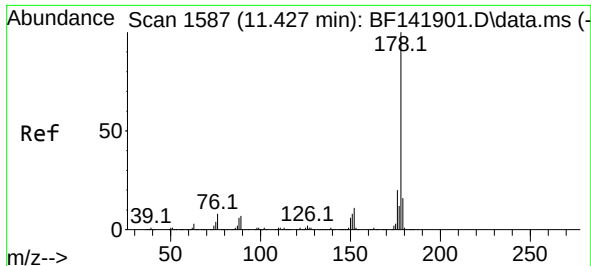
Ion Ratio Lower Upper

266 100

268 63.1 51.0 76.6

264 62.5 50.2 75.2

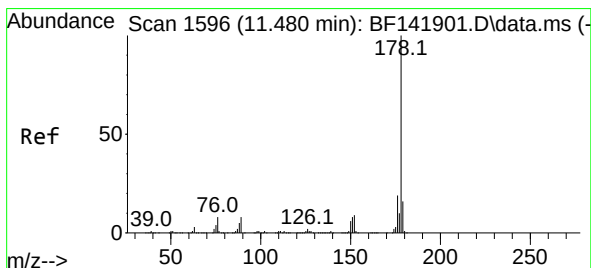
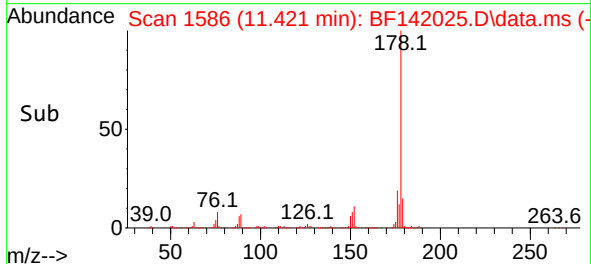
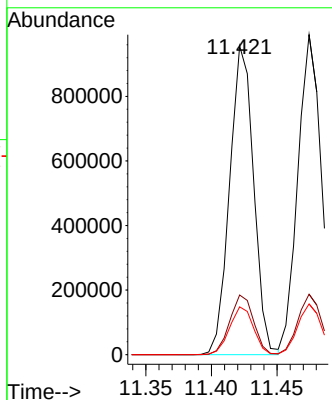
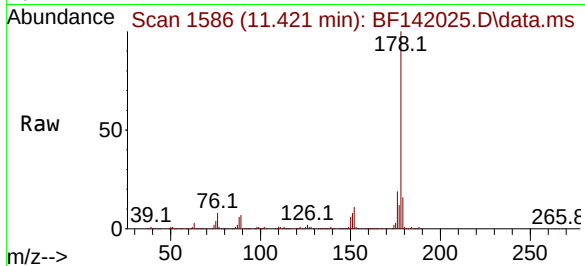




#71
Phenanthrene
Concen: 44.296 ng
RT: 11.421 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

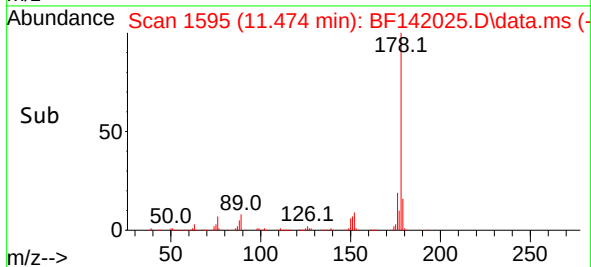
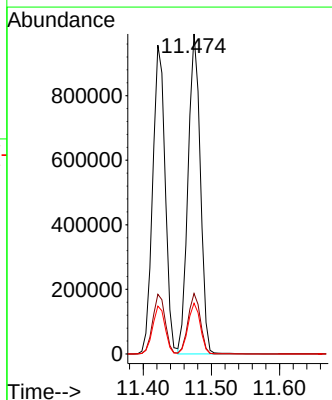
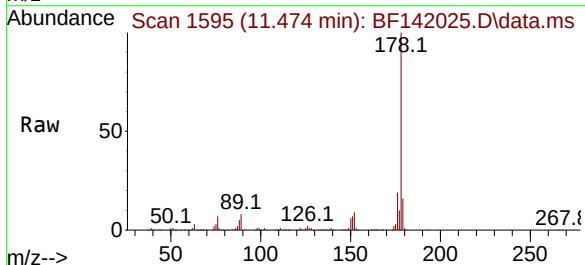
Instrument :
BNA_F
ClientSampleId :
PB167228BS

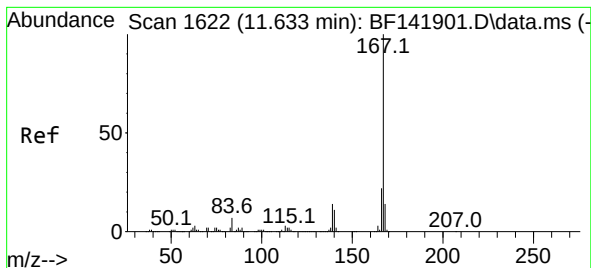
Tgt Ion:178 Resp: 1219981
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 15.5 12.6 19.0



#72
Anthracene
Concen: 44.534 ng
RT: 11.474 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

Tgt Ion:178 Resp: 1230532
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 15.8 12.6 19.0





#73

Carbazole

Concen: 41.047 ng

RT: 11.627 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142025.D

Acq: 21 Mar 2025 12:25

Instrument :

BNA_F

ClientSampleId :

PB167228BS

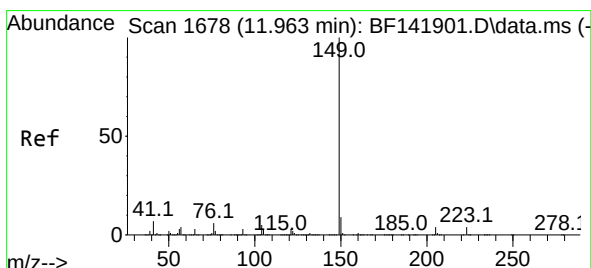
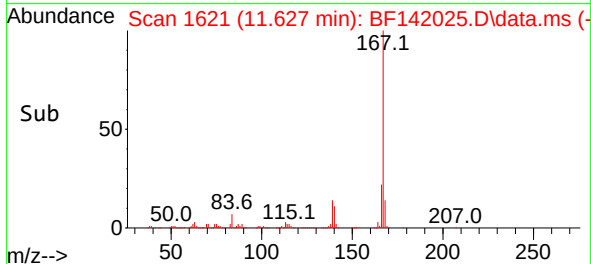
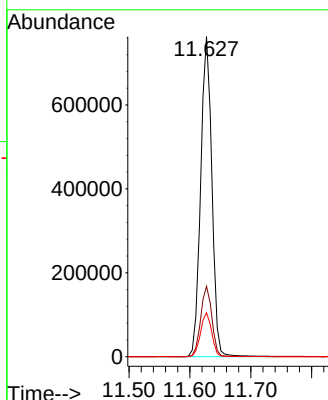
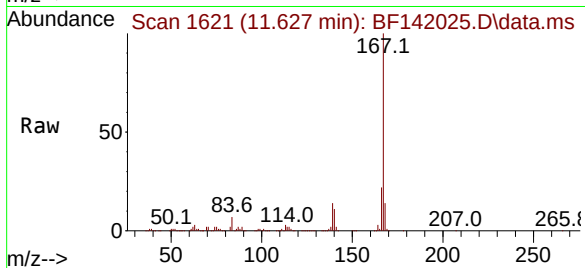
Tgt Ion:167 Resp: 978145

Ion Ratio Lower Upper

167 100

166 22.0 17.4 26.2

139 13.7 11.0 16.6



#74

Di-n-butylphthalate

Concen: 41.577 ng

RT: 11.957 min Scan# 1677

Delta R.T. -0.006 min

Lab File: BF142025.D

Acq: 21 Mar 2025 12:25

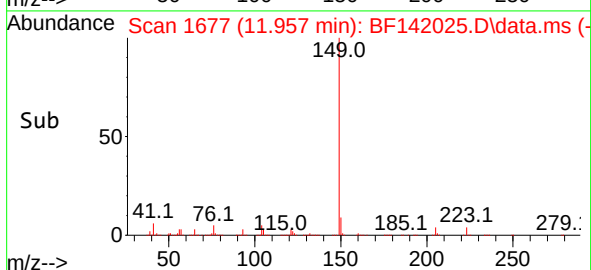
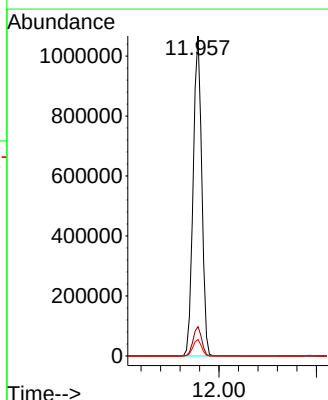
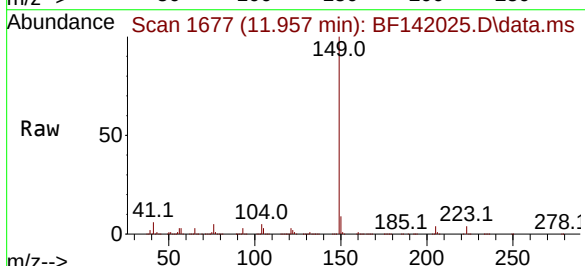
Tgt Ion:149 Resp: 1314628

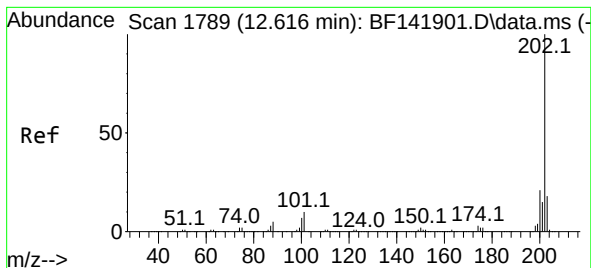
Ion Ratio Lower Upper

149 100

150 9.2 7.6 11.4

104 5.2 4.4 6.6

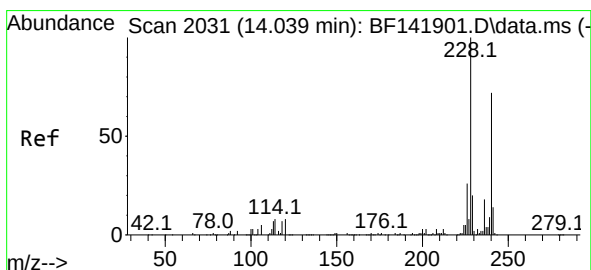
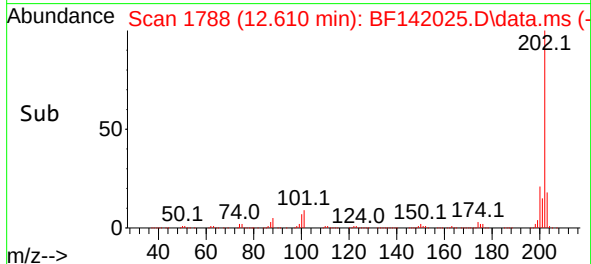
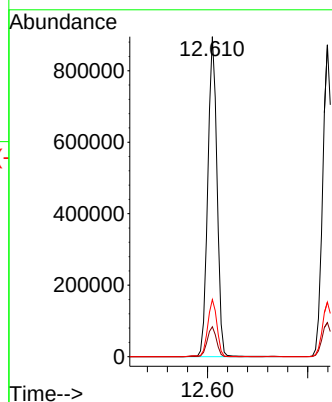
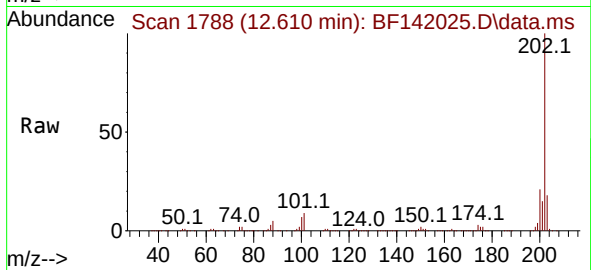




#75
Fluoranthene
Concen: 39.125 ng
RT: 12.610 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

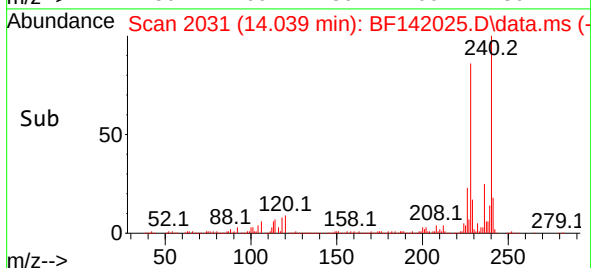
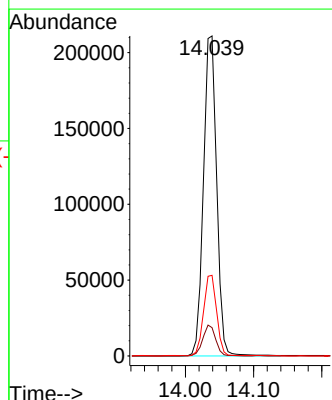
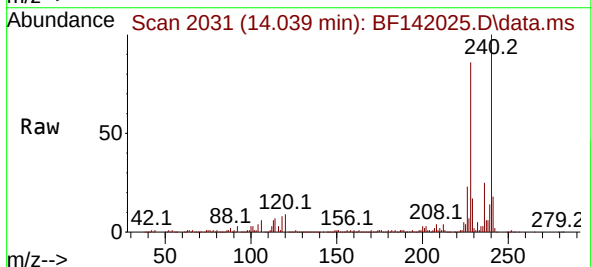
Instrument :
BNA_F
ClientSampleId :
PB167228BS

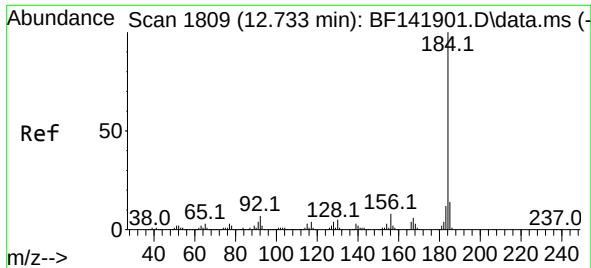
Tgt Ion:202 Resp: 1143037
Ion Ratio Lower Upper
202 100
101 9.4 0.0 29.7
203 17.9 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

Tgt Ion:240 Resp: 285278
Ion Ratio Lower Upper
240 100
120 8.8 8.4 12.6
236 25.2 20.5 30.7

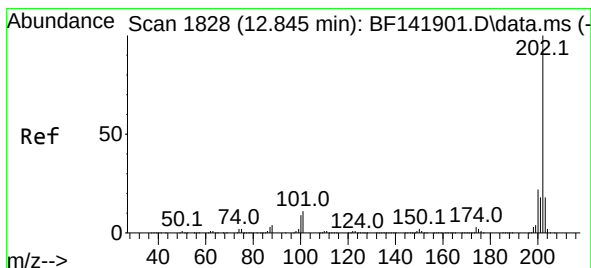
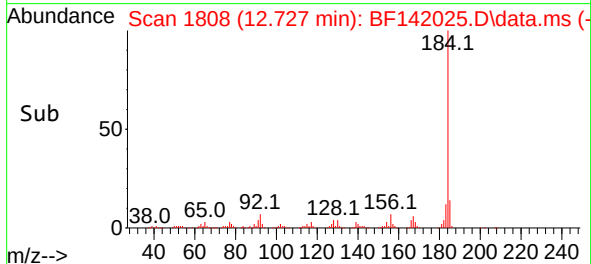
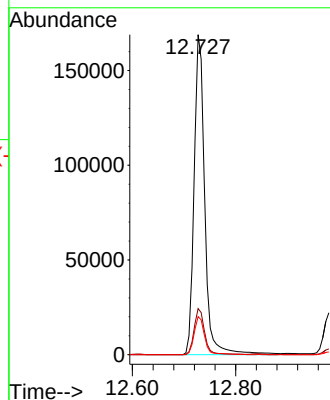
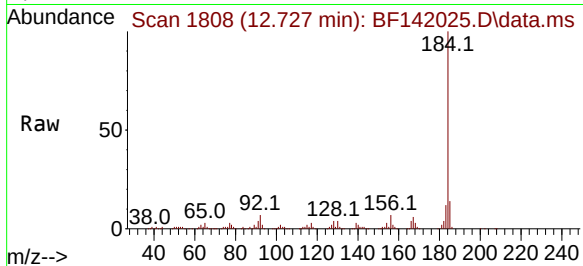




#77
Benzidine
Concen: 60.780 ng
RT: 12.727 min Scan# 1808
Delta R.T. -0.006 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

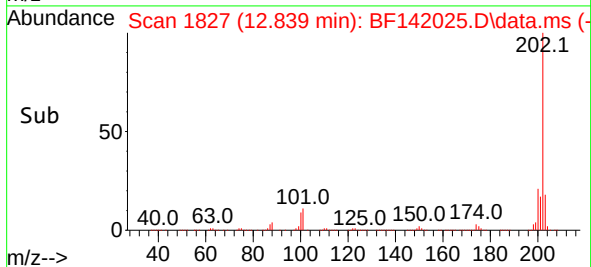
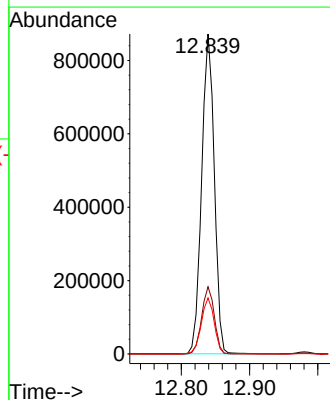
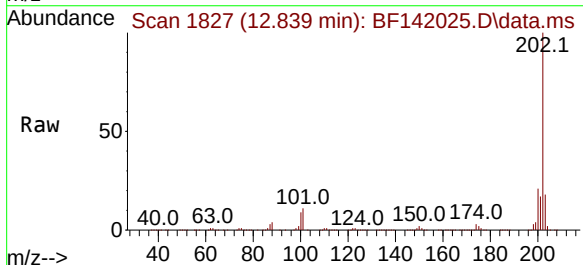
Instrument :
BNA_F
ClientSampleId :
PB167228BS

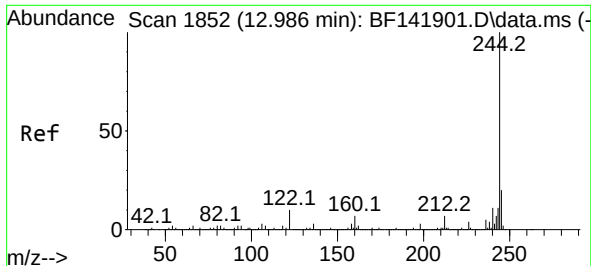
Tgt Ion:184 Resp: 241914
Ion Ratio Lower Upper
184 100
185 14.4 11.5 17.3
183 11.9 9.7 14.5



#78
Pyrene
Concen: 45.582 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

Tgt Ion:202 Resp: 1124823
Ion Ratio Lower Upper
202 100
200 21.0 17.3 25.9
203 17.5 14.4 21.6

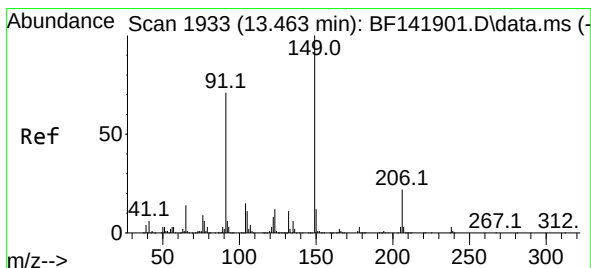
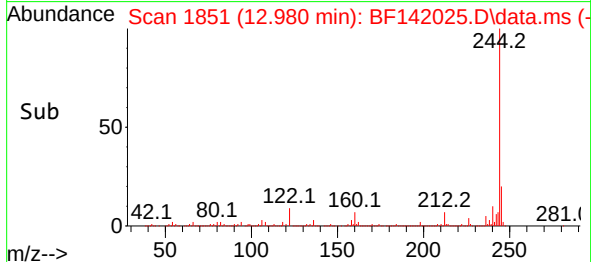
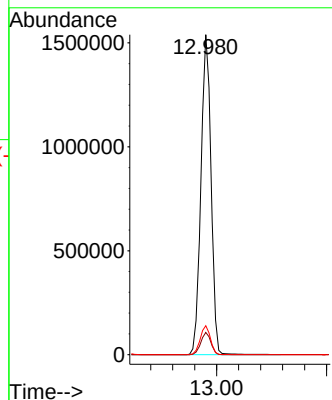
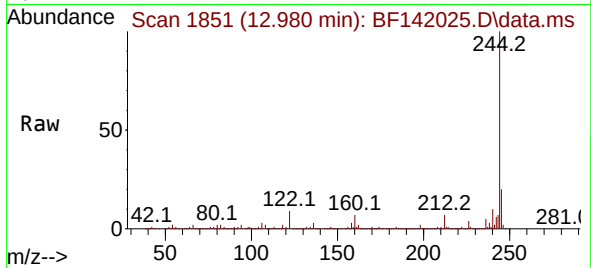




#79
 Terphenyl-d14
 Concen: 102.375 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF142025.D
 Acq: 21 Mar 2025 12:25

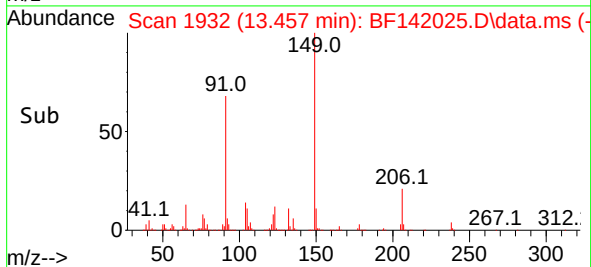
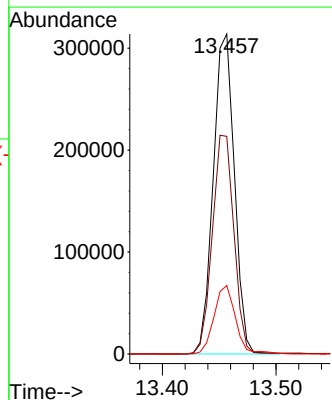
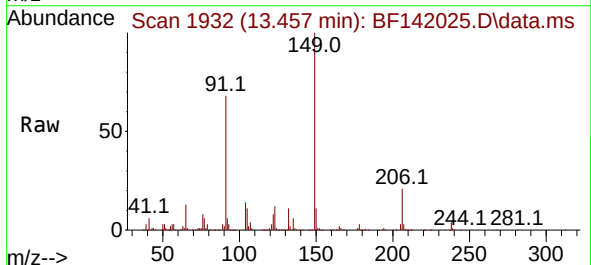
Instrument :
 BNA_F
 ClientSampleId :
 PB167228BS

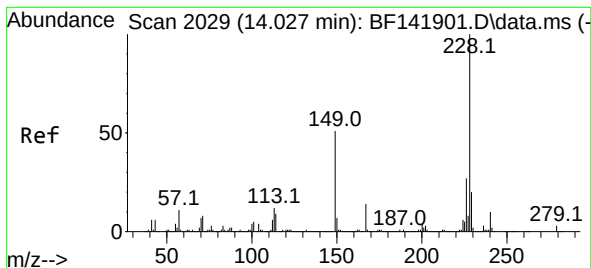
Tgt Ion:244 Resp: 1975389
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 9.1 7.7 11.5



#80
 Butylbenzylphthalate
 Concen: 42.094 ng
 RT: 13.457 min Scan# 1932
 Delta R.T. -0.006 min
 Lab File: BF142025.D
 Acq: 21 Mar 2025 12:25

Tgt Ion:149 Resp: 406569
 Ion Ratio Lower Upper
 149 100
 91 68.0 56.5 84.7
 206 21.4 17.3 25.9





#81

Benzo(a)anthracene

Concen: 44.873 ng

RT: 14.027 min Scan# 2029

Delta R.T. -0.000 min

Lab File: BF142025.D

Acq: 21 Mar 2025 12:25

Instrument :

BNA_F

ClientSampleId :

PB167228BS

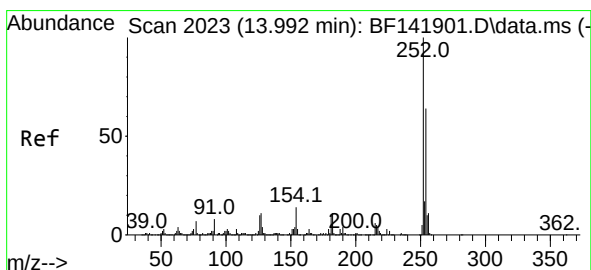
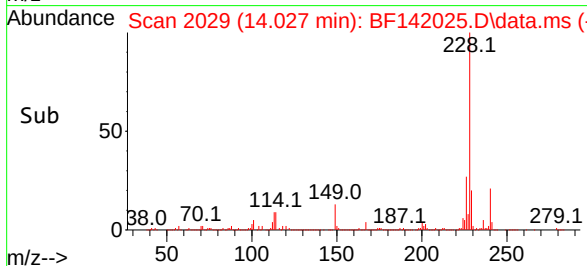
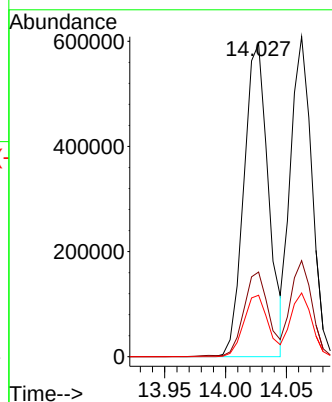
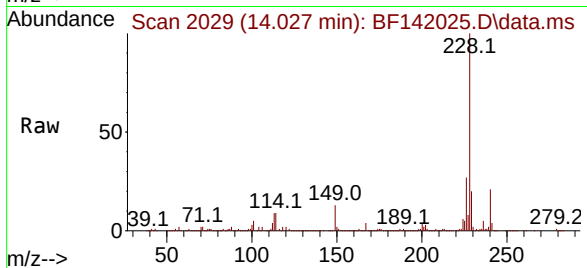
Tgt Ion:228 Resp: 840023

Ion Ratio Lower Upper

228 100

226 27.1 21.8 32.8

229 19.6 16.0 24.0



#82

3,3'-Dichlorobenzidine

Concen: 32.056 ng

RT: 13.986 min Scan# 2022

Delta R.T. -0.006 min

Lab File: BF142025.D

Acq: 21 Mar 2025 12:25

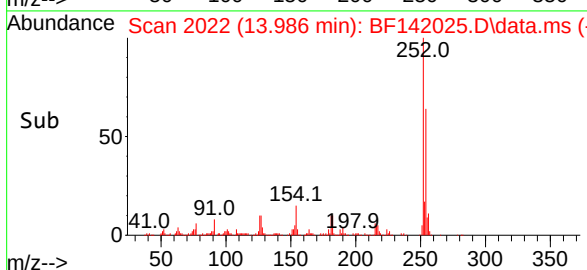
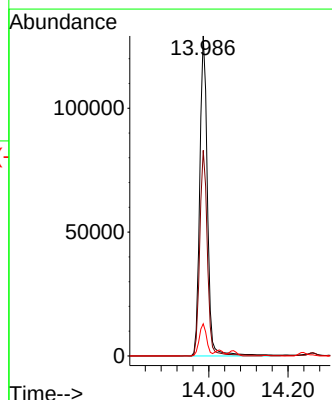
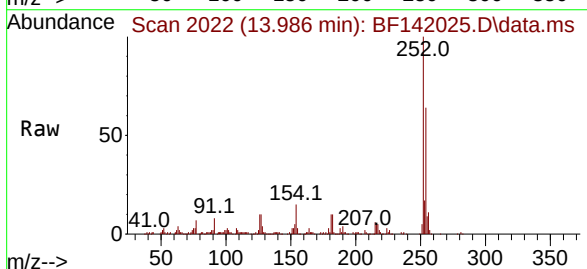
Tgt Ion:252 Resp: 173416

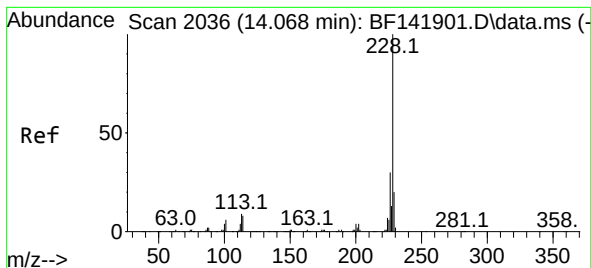
Ion Ratio Lower Upper

252 100

254 64.3 51.0 76.6

126 10.1 8.4 12.6





#83

Chrysene

Concen: 43.859 ng

RT: 14.062 min Scan# 2036

Delta R.T. -0.006 min

Lab File: BF142025.D

Acq: 21 Mar 2025 12:25

Instrument :

BNA_F

ClientSampleId :

PB167228BS

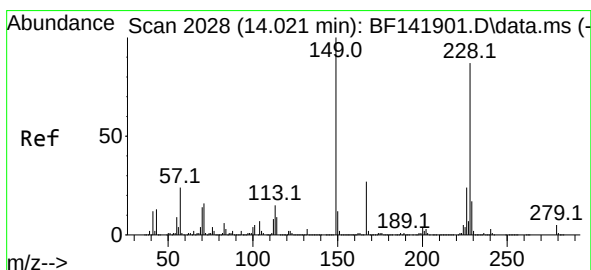
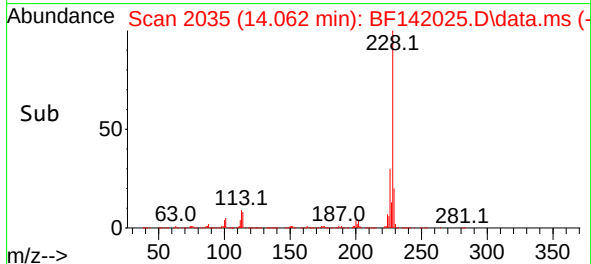
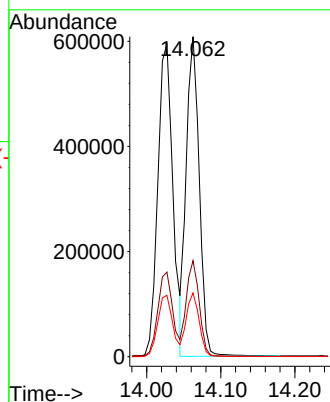
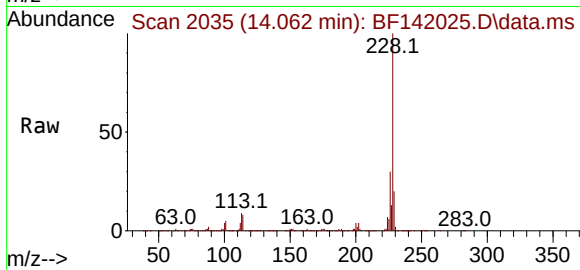
Tgt Ion:228 Resp: 744240

Ion Ratio Lower Upper

228 100

226 30.0 24.1 36.1

229 19.9 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 40.753 ng

RT: 14.010 min Scan# 2026

Delta R.T. -0.012 min

Lab File: BF142025.D

Acq: 21 Mar 2025 12:25

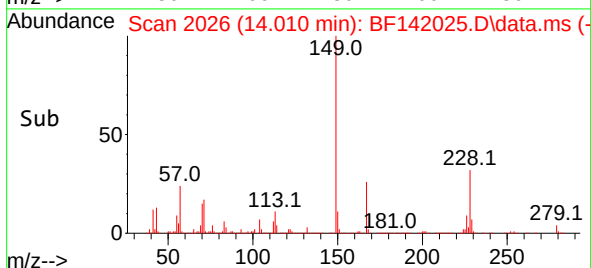
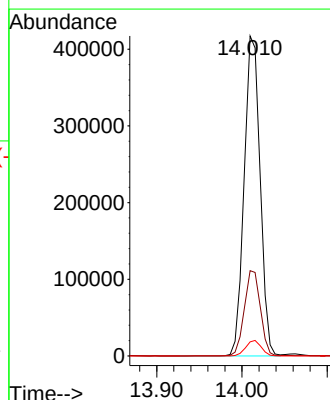
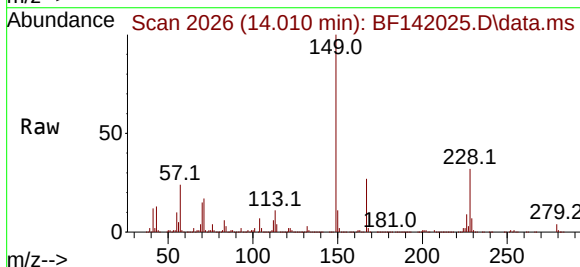
Tgt Ion:149 Resp: 542707

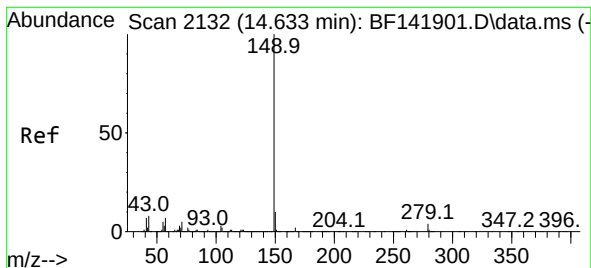
Ion Ratio Lower Upper

149 100

167 26.6 21.4 32.0

279 4.4 3.8 5.6





#85

Di-n-octyl phthalate

Concen: 46.474 ng

RT: 14.627 min Scan# 2131

Delta R.T. -0.006 min

Lab File: BF142025.D

Acq: 21 Mar 2025 12:25

Instrument :

BNA_F

ClientSampleId :

PB167228BS

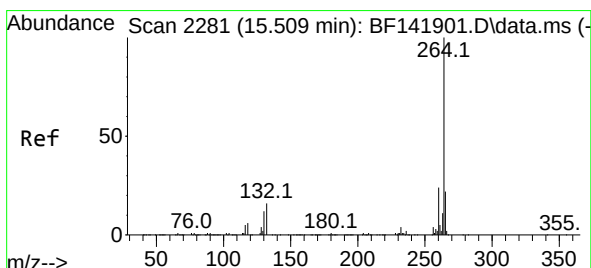
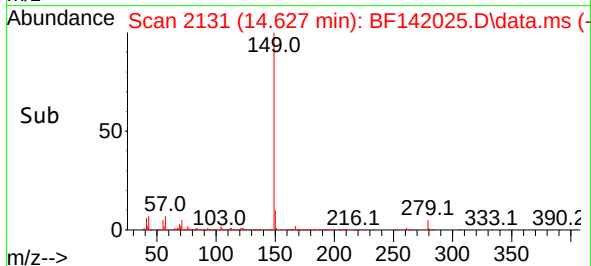
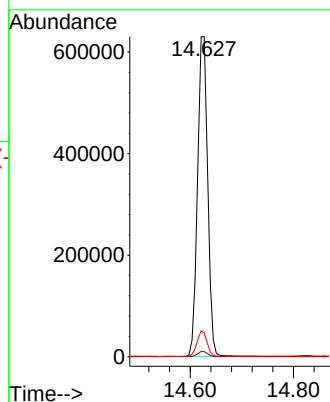
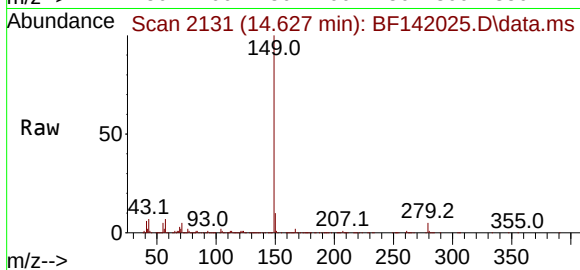
Tgt Ion:149 Resp: 861143

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: 15.509 min Scan# 2281

Delta R.T. -0.000 min

Lab File: BF142025.D

Acq: 21 Mar 2025 12:25

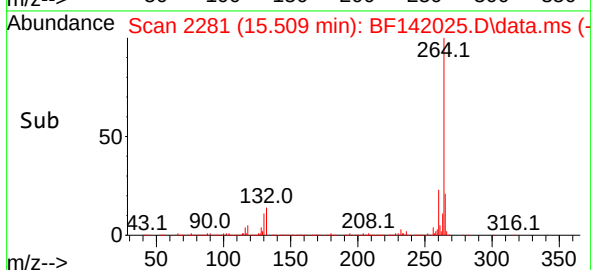
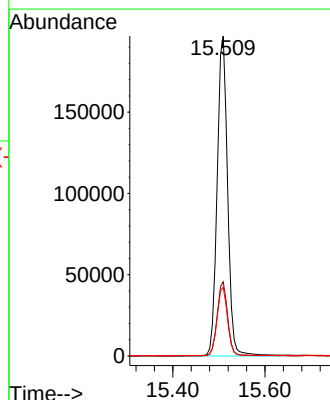
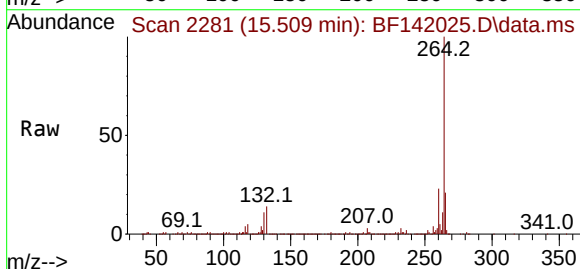
Tgt Ion:264 Resp: 309236

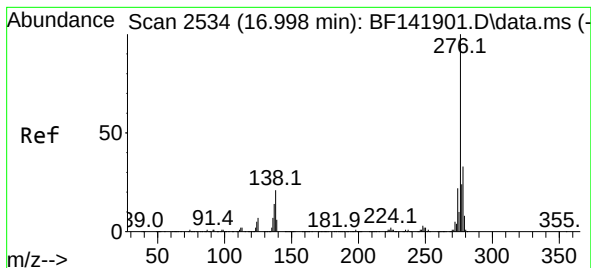
Ion Ratio Lower Upper

264 100

260 23.2 19.1 28.7

265 21.4 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 41.565 ng

RT: 16.998 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF142025.D

Acq: 21 Mar 2025 12:25

Instrument :

BNA_F

ClientSampleId :

PB167228BS

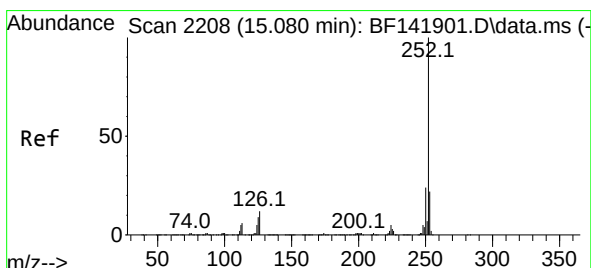
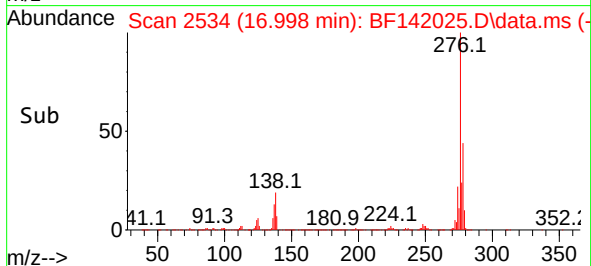
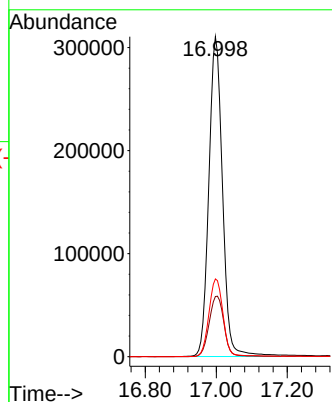
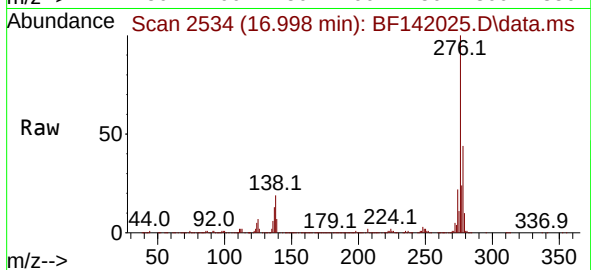
Tgt Ion:276 Resp: 831472

Ion Ratio Lower Upper

276 100

138 20.8 18.4 27.6

277 25.1 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 39.893 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.006 min

Lab File: BF142025.D

Acq: 21 Mar 2025 12:25

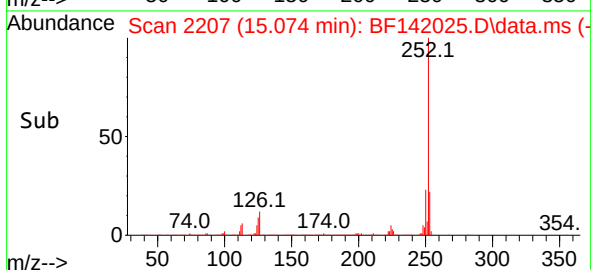
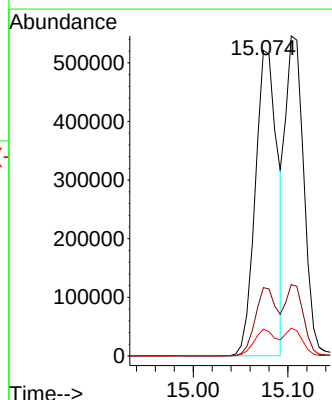
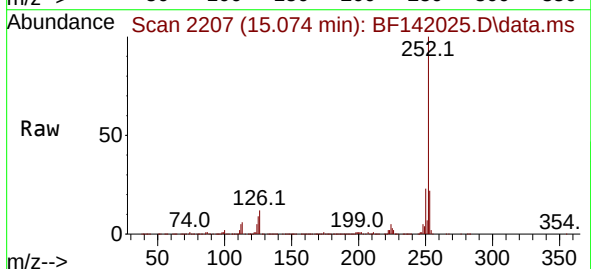
Tgt Ion:252 Resp: 845477

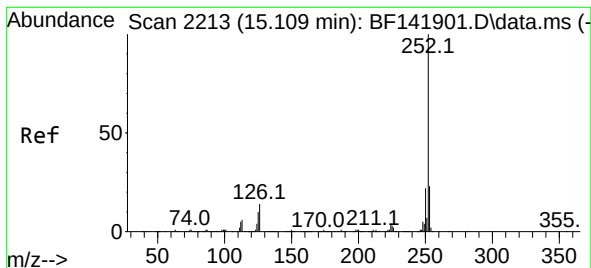
Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

125 8.7 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 41.108 ng

RT: 15.104 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142025.D

Acq: 21 Mar 2025 12:25

Instrument :

BNA_F

ClientSampleId :

PB167228BS

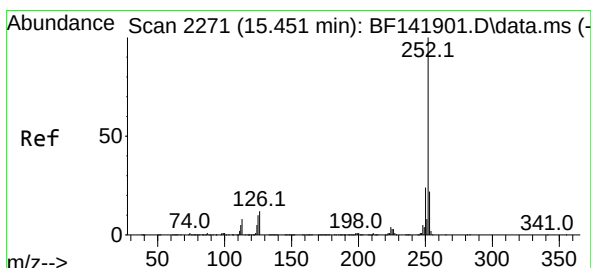
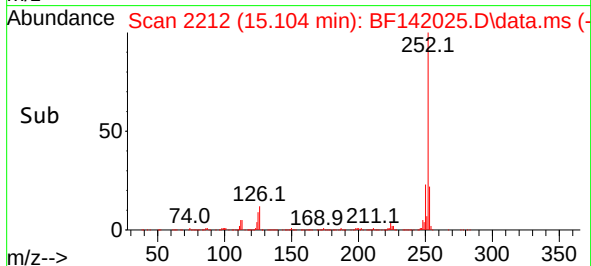
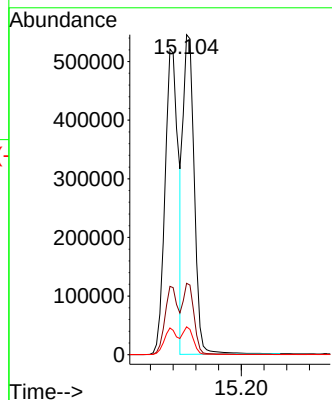
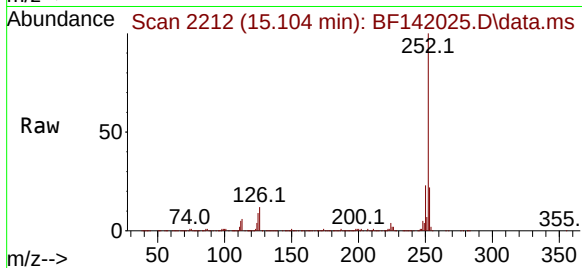
Tgt Ion:252 Resp: 745574

Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

125 8.7 7.2 10.8



#90

Benzo(a)pyrene

Concen: 45.566 ng

RT: 15.445 min Scan# 2270

Delta R.T. -0.006 min

Lab File: BF142025.D

Acq: 21 Mar 2025 12:25

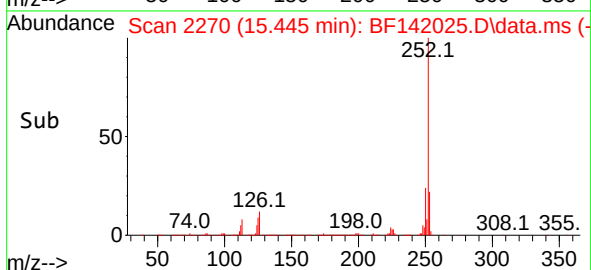
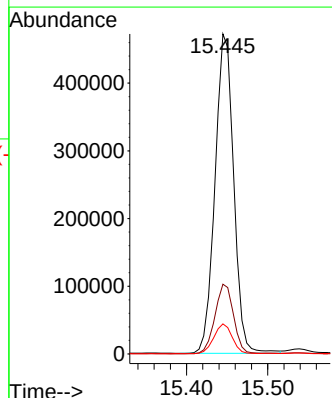
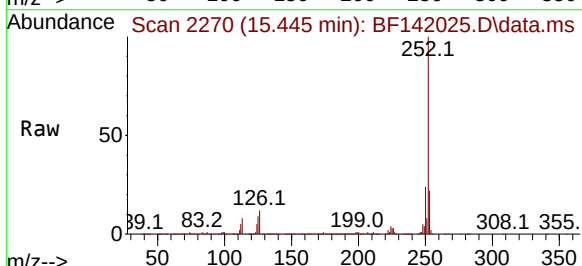
Tgt Ion:252 Resp: 755641

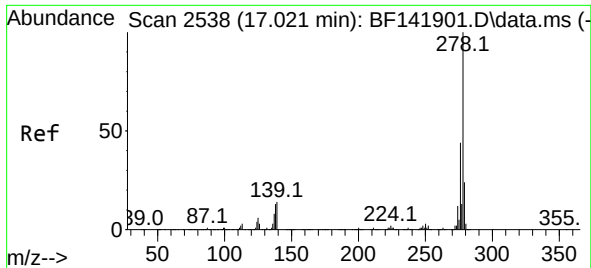
Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.0

125 9.4 7.8 11.8

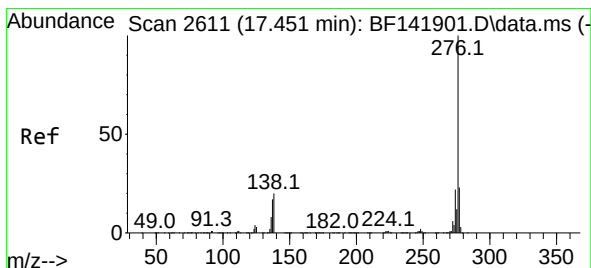
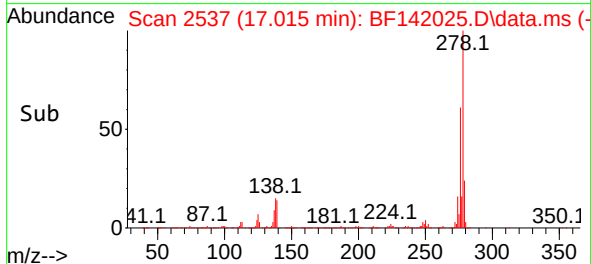
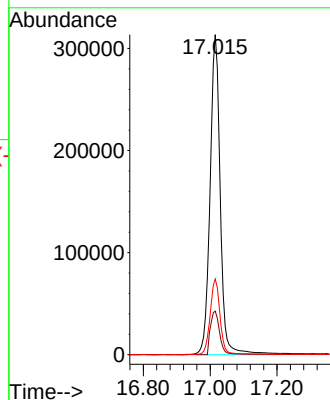
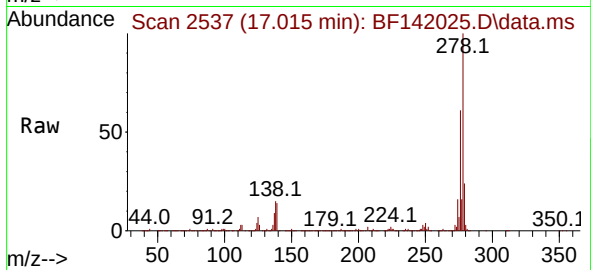




#91
Dibenzo(a,h)anthracene
Concen: 40.347 ng
RT: 17.015 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

Instrument :
BNA_F
ClientSampleId :
PB167228BS

Tgt Ion:278 Resp: 665920
Ion Ratio Lower Upper
278 100
139 13.6 11.4 17.2
279 23.7 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 37.927 ng
RT: 17.450 min Scan# 2611
Delta R.T. -0.000 min
Lab File: BF142025.D
Acq: 21 Mar 2025 12:25

Tgt Ion:276 Resp: 618598
Ion Ratio Lower Upper
276 100
277 23.7 18.7 28.1
138 17.4 15.8 23.8

