

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031425\
 Data File : BF141957.D
 Acq On : 14 Mar 2025 11:09
 Operator : RC/JU
 Sample : PB167113BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB167113BS

Quant Time: Mar 14 11:51:39 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	154232	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	607275	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	341067	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	581893	20.000	ng	0.00
76) Chrysene-d12	14.033	240	340637	20.000	ng	0.00
86) Perylene-d12	15.504	264	321183	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1305006	141.216	ng	0.01
7) Phenol-d6	6.504	99	1588738	135.027	ng	0.00
23) Nitrobenzene-d5	7.439	82	1069806	99.138	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	680590	157.293	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	2236708	99.734	ng	0.00
79) Terphenyl-d14	12.986	244	2520980	109.417	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.763	88	179550	46.370	ng	98
3) Pyridine	3.516	79	412876	43.470	ng	98
4) n-Nitrosodimethylamine	3.463	42	206417	45.591	ng	98
6) Aniline	6.539	93	447007	38.511	ng	100
8) 2-Chlorophenol	6.663	128	485534	47.373	ng	98
9) Benzaldehyde	6.428	77	147526	22.419	ng	100
10) Phenol	6.516	94	565209	45.661	ng	98
11) bis(2-Chloroethyl)ether	6.616	93	424065	45.625	ng	98
12) 1,3-Dichlorobenzene	6.822	146	519457	46.946	ng	98
13) 1,4-Dichlorobenzene	6.892	146	526169	46.998	ng	99
14) 1,2-Dichlorobenzene	7.045	146	504574	47.849	ng	99
15) Benzyl Alcohol	7.016	79	423502	44.522	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	482970	43.041	ng	99
17) 2-Methylphenol	7.122	107	384015	47.123	ng	99
18) Hexachloroethane	7.392	117	195990	46.684	ng	95
19) n-Nitroso-di-n-propyla...	7.286	70	328444	43.443	ng	100
20) 3+4-Methylphenols	7.275	107	483932	46.362	ng	94
22) Acetophenone	7.286	105	728959	50.125	ng	100
24) Nitrobenzene	7.457	77	499347	46.548	ng	99
25) Isophorone	7.698	82	901302	47.251	ng	99
26) 2-Nitrophenol	7.775	139	255508	48.529	ng	99
27) 2,4-Dimethylphenol	7.804	122	423019	58.349	ng	99
28) bis(2-Chloroethoxy)met...	7.904	93	542290	45.327	ng	99
29) 2,4-Dichlorophenol	8.010	162	417216	46.364	ng	100
30) 1,2,4-Trichlorobenzene	8.098	180	456155	45.998	ng	99
31) Naphthalene	8.181	128	1396112	44.755	ng	100
32) Benzoic acid	7.922	122	306086	48.030	ng	99
33) 4-Chloroaniline	8.222	127	234635	21.307	ng	98
34) Hexachlorobutadiene	8.298	225	309329	47.830	ng	98
35) Caprolactam	8.592	113	82888	30.212	ng	94
36) 4-Chloro-3-methylphenol	8.704	107	451341	44.963	ng	98
37) 2-Methylnaphthalene	8.869	142	912231	43.750	ng	100
38) 1-Methylnaphthalene	8.969	142	884264	43.948	ng	100
40) 1,2,4,5-Tetrachloroben...	9.033	216	543343	52.324	ng	98
41) Hexachlorocyclopentadiene	9.022	237	666256	163.944	ng	99
43) 2,4,6-Trichlorophenol	9.145	196	325197	47.919	ng	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	333178	48.474	ng	99
46) 1,1'-Biphenyl	9.333	154	1329930	51.319	ng	100
47) 2-Chloronaphthalene	9.357	162	905854	46.898	ng	99
48) 2-Nitroaniline	9.451	65	263709	47.153	ng	99
49) Acenaphthylene	9.775	152	1418834	49.500	ng	100
50) Dimethylphthalate	9.633	163	1097787	45.963	ng	100
51) 2,6-Dinitrotoluene	9.698	165	239750	48.211	ng	92
52) Acenaphthene	9.945	154	1047621	52.008	ng	99
53) 3-Nitroaniline	9.863	138	146388	29.020	ng	99
54) 2,4-Dinitrophenol	9.969	184	263648	92.217	ng	# 51
55) Dibenzofuran	10.122	168	1290216	44.826	ng	98
56) 4-Nitrophenol	10.022	139	387913	101.973	ng	97
57) 2,4-Dinitrotoluene	10.098	165	328855	50.631	ng	99
58) Fluorene	10.463	166	1029067	46.362	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	298197	47.677	ng	98
60) Diethylphthalate	10.333	149	1080043	45.351	ng	99
61) 4-Chlorophenyl-phenyle...	10.451	204	534185	46.162	ng	100
62) 4-Nitroaniline	10.480	138	223110	45.431	ng	99
63) Azobenzene	10.616	77	963645	43.522	ng	98
65) 4,6-Dinitro-2-methylph...	10.504	198	169975	48.999	ng	99
66) n-Nitrosodiphenylamine	10.574	169	885145	47.006	ng	100
67) 4-Bromophenyl-phenylether	10.945	248	349762	47.861	ng	97
68) Hexachlorobenzene	11.010	284	398512	49.720	ng	95
69) Atrazine	11.098	200	355635	61.607	ng	99
70) Pentachlorophenol	11.204	266	483008	97.808	ng	100
71) Phenanthrene	11.427	178	1497004	47.630	ng	99
72) Anthracene	11.474	178	1515643	48.066	ng	100
73) Carbazole	11.627	167	1246916	45.853	ng	100
74) Di-n-butylphthalate	11.957	149	1587381	43.992	ng	99
75) Fluoranthene	12.610	202	1451241	43.529	ng	100
77) Benzidine	12.727	184	343335	72.243	ng	99
78) Pyrene	12.839	202	1458597	49.502	ng	99
80) Butylbenzylphthalate	13.457	149	502076	43.534	ng	98
81) Benzo(a)anthracene	14.027	228	1086233	48.595	ng	99
82) 3,3'-Dichlorobenzidine	13.986	252	208944	32.346	ng	99
83) Chrysene	14.063	228	937541	46.271	ng	99
84) Bis(2-ethylhexyl)phtha...	14.015	149	613998	38.613	ng	100
85) Di-n-octyl phthalate	14.627	149	929523	42.012	ng	99
87) Indeno(1,2,3-cd)pyrene	16.998	276	1164583	56.052	ng	98
88) Benzo(b)fluoranthene	15.074	252	881653	40.052	ng	100
89) Benzo(k)fluoranthene	15.104	252	892889	47.399	ng	99
90) Benzo(a)pyrene	15.445	252	855913	49.693	ng	99
91) Dibenzo(a,h)anthracene	17.015	278	946945	55.240	ng	99
92) Benzo(g,h,i)perylene	17.445	276	895451	52.859	ng	98

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

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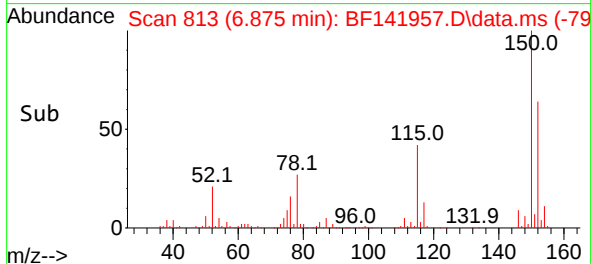
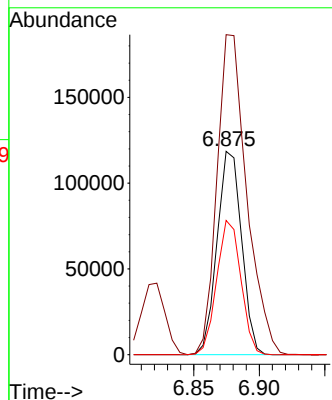
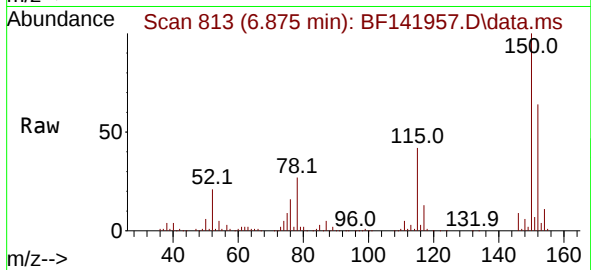




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 814
 Delta R.T. -0.006 min
 Lab File: BF141957.D
 Acq: 14 Mar 2025 11:09

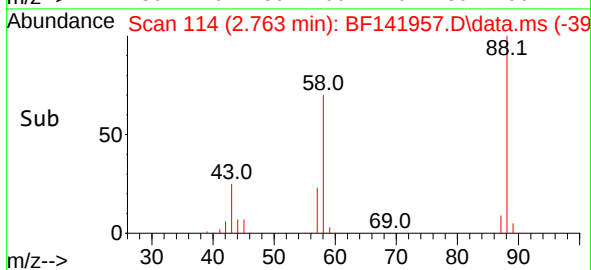
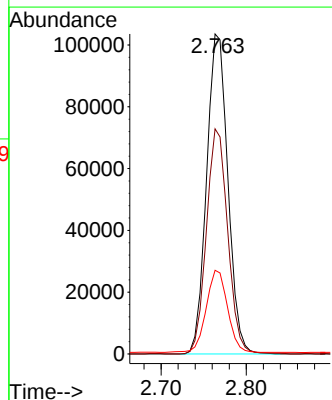
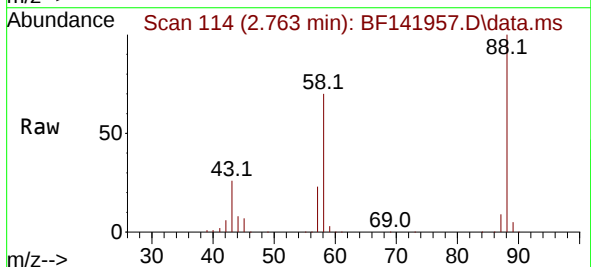
Instrument :
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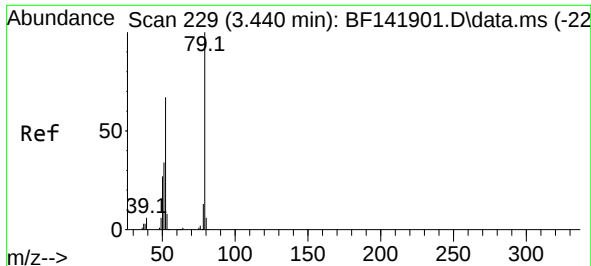
Tgt Ion:152 Resp: 154232
 Ion Ratio Lower Upper
 152 100
 150 157.3 127.4 191.2
 115 66.0 51.9 77.9



#2
 1,4-Dioxane
 Concen: 46.370 ng
 RT: 2.763 min Scan# 114
 Delta R.T. 0.088 min
 Lab File: BF141957.D
 Acq: 14 Mar 2025 11:09

Tgt Ion: 88 Resp: 179550
 Ion Ratio Lower Upper
 88 100
 58 70.6 57.4 86.2
 43 25.7 21.5 32.3

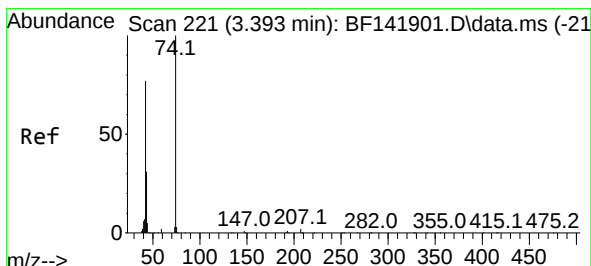
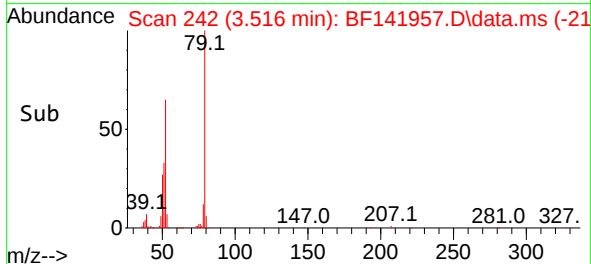
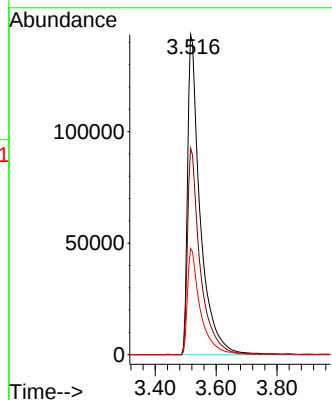
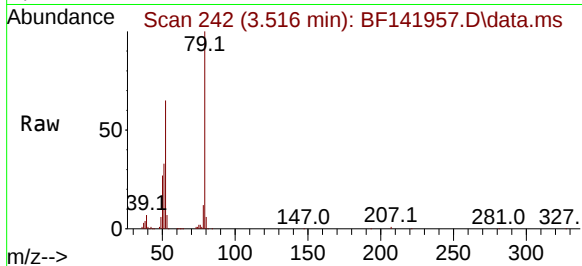




#3
Pyridine
Concen: 43.470 ng
RT: 3.516 min Scan# 24
Delta R.T. 0.076 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

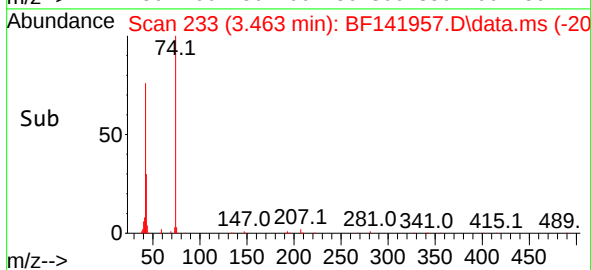
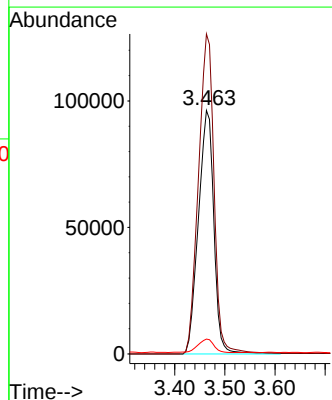
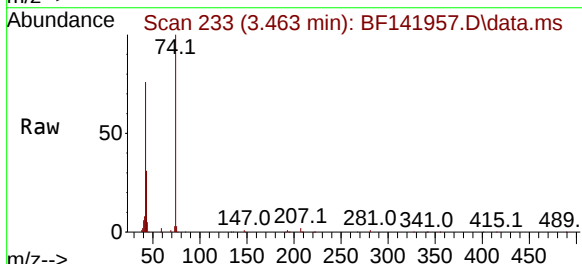
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ClientSampleId :
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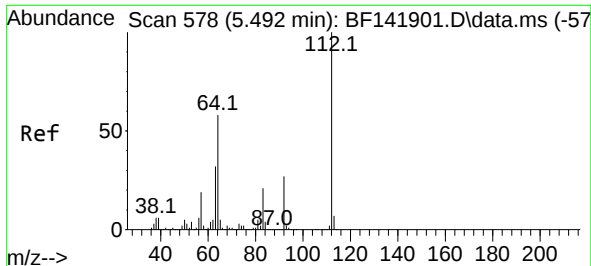
Tgt Ion: 79 Resp: 412876
Ion Ratio Lower Upper
79 100
52 64.5 53.3 79.9
51 33.2 27.6 41.4



#4
n-Nitrosodimethylamine
Concen: 45.591 ng
RT: 3.463 min Scan# 233
Delta R.T. 0.071 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

Tgt Ion: 42 Resp: 206417
Ion Ratio Lower Upper
42 100
74 131.4 103.4 155.0
44 6.1 5.0 7.4

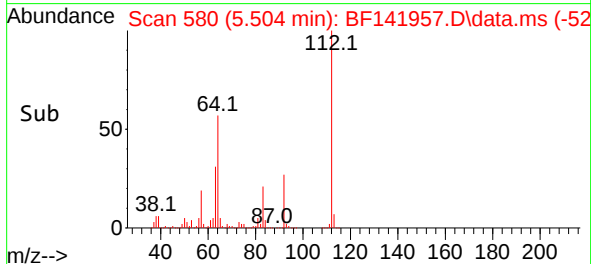
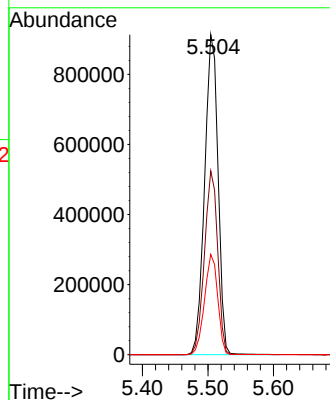
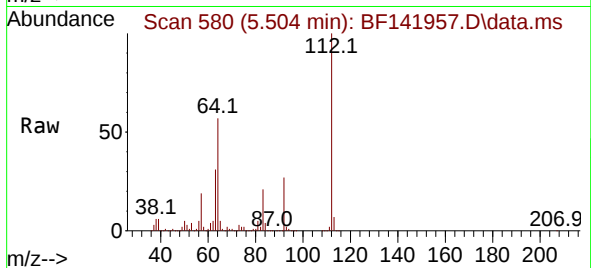




#5
2-Fluorophenol
Concen: 141.216 ng
RT: 5.504 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

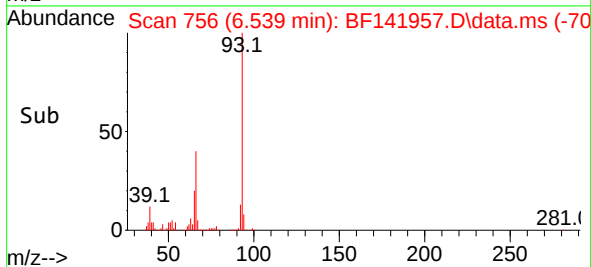
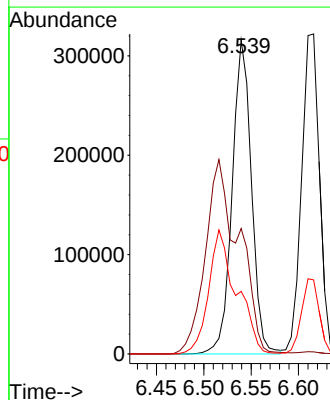
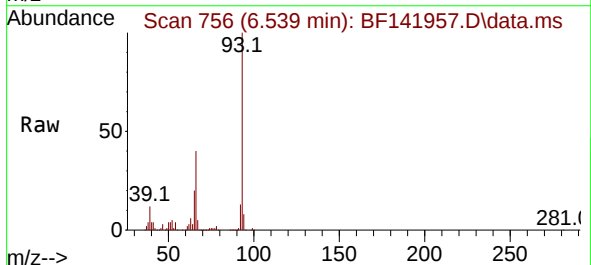
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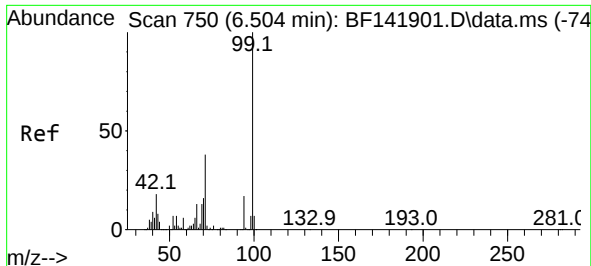
Tgt Ion:112 Resp: 1305006
Ion Ratio Lower Upper
112 100
64 57.5 46.5 69.7
63 31.3 25.4 38.2



#6
Aniline
Concen: 38.511 ng
RT: 6.539 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

Tgt Ion: 93 Resp: 447007
Ion Ratio Lower Upper
93 100
66 40.0 31.9 47.9
65 19.9 15.8 23.6

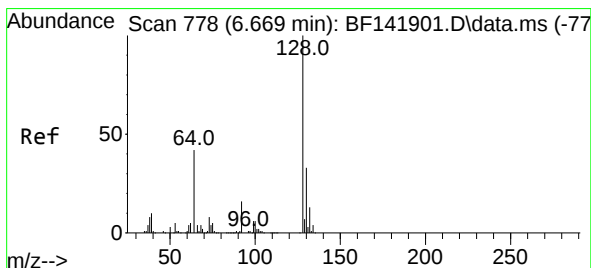
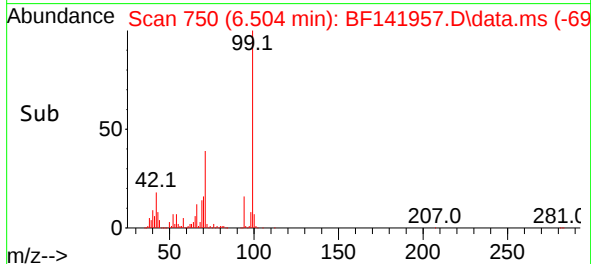
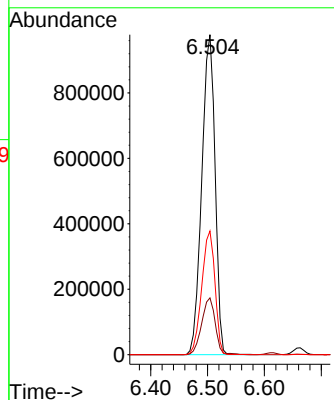
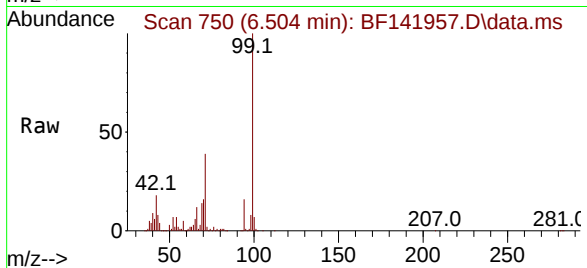




#7
Phenol-d6
Concen: 135.027 ng
RT: 6.504 min Scan# 750
Delta R.T. 0.000 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

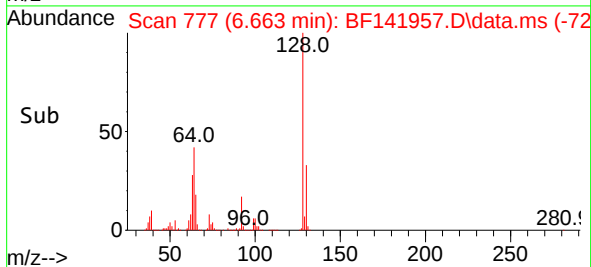
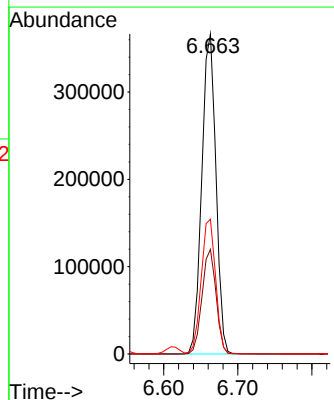
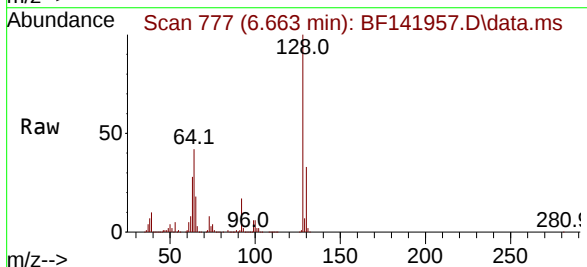
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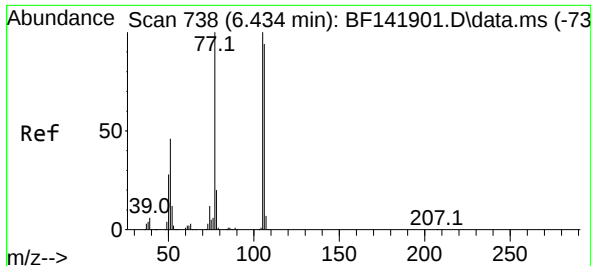
Tgt Ion: 99 Resp: 1588738
Ion Ratio Lower Upper
99 100
42 17.8 14.6 21.8
71 38.7 30.8 46.2



#8
2-Chlorophenol
Concen: 47.373 ng
RT: 6.663 min Scan# 777
Delta R.T. -0.006 min
Lab File: BF141957.D
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Tgt Ion:128 Resp: 485534
Ion Ratio Lower Upper
128 100
130 32.7 12.8 52.8
64 42.1 24.4 64.4

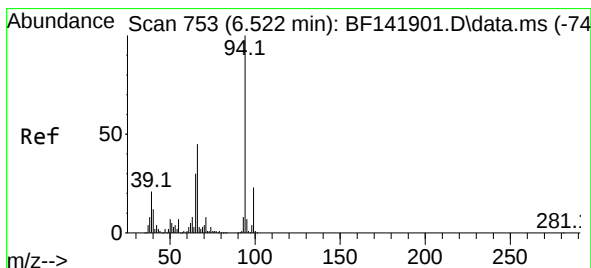
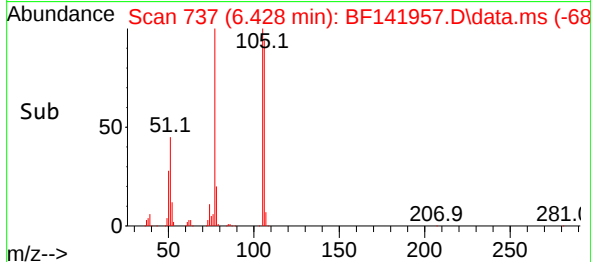
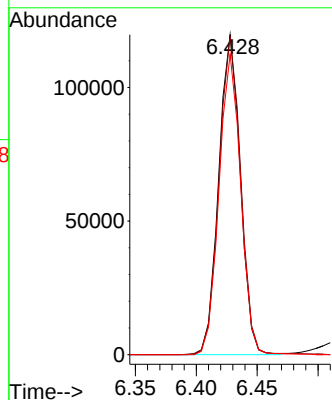
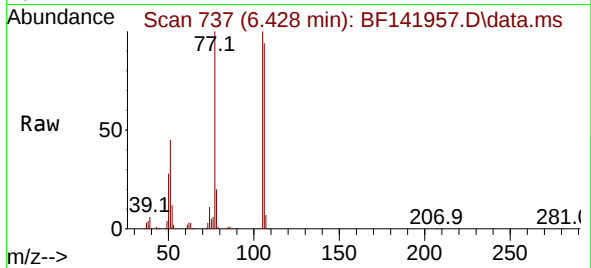




#9
Benzaldehyde
Concen: 22.419 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

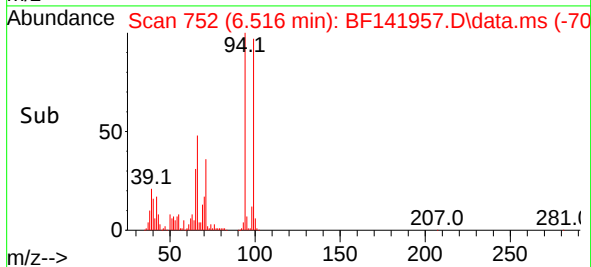
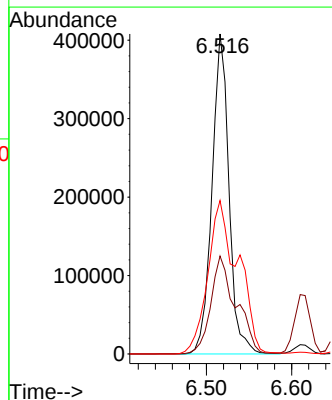
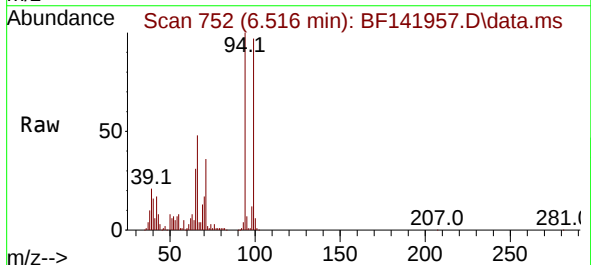
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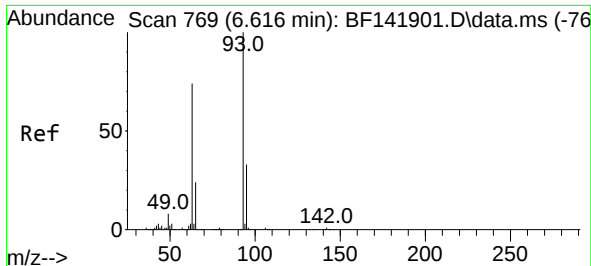
Tgt Ion: 77 Resp: 147526
Ion Ratio Lower Upper
77 100
105 99.7 80.0 120.0
106 93.9 74.5 114.5



#10
Phenol
Concen: 45.661 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

Tgt Ion: 94 Resp: 565209
Ion Ratio Lower Upper
94 100
65 30.6 10.5 50.5
66 48.0 25.8 65.8





#11

bis(2-Chloroethyl)ether

Concen: 45.625 ng

RT: 6.616 min Scan# 769

Delta R.T. 0.000 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

Instrument :

BNA_F

ClientSampleId :

PB167113BS

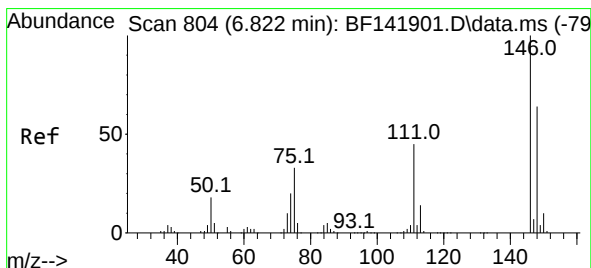
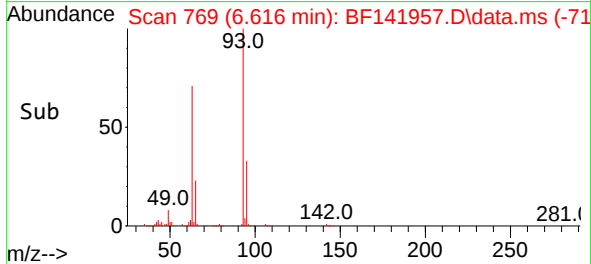
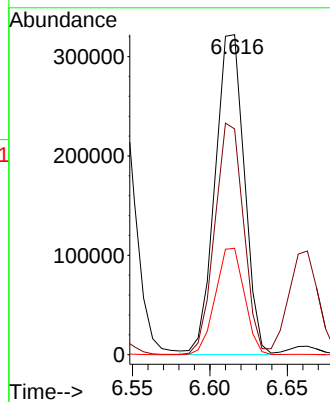
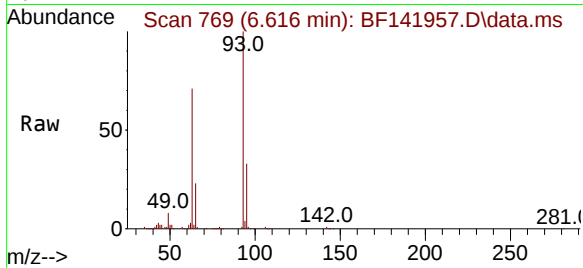
Tgt Ion: 93 Resp: 424065

Ion Ratio Lower Upper

93 100

63 70.6 53.0 93.0

95 33.2 12.9 52.9



#12

1,3-Dichlorobenzene

Concen: 46.946 ng

RT: 6.822 min Scan# 804

Delta R.T. 0.000 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

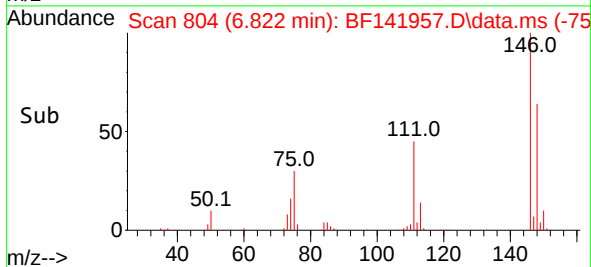
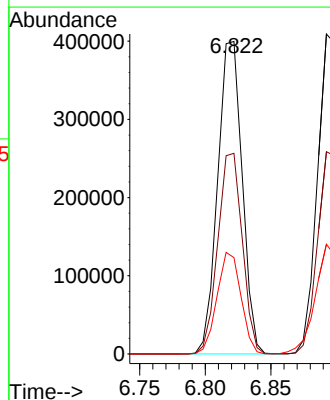
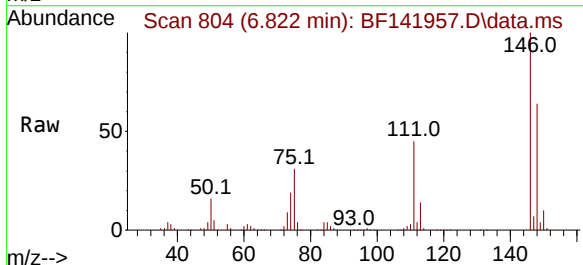
Tgt Ion:146 Resp: 519457

Ion Ratio Lower Upper

146 100

148 64.2 51.3 76.9

75 30.8 26.6 40.0

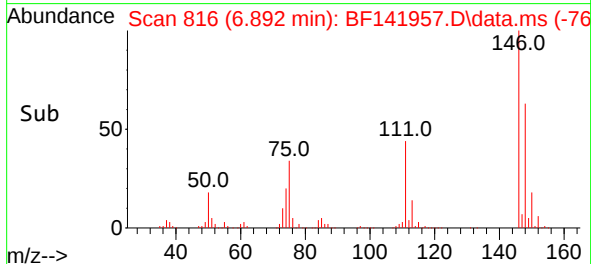
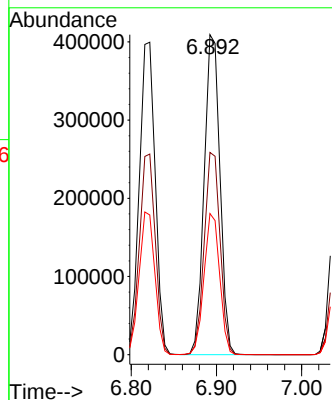
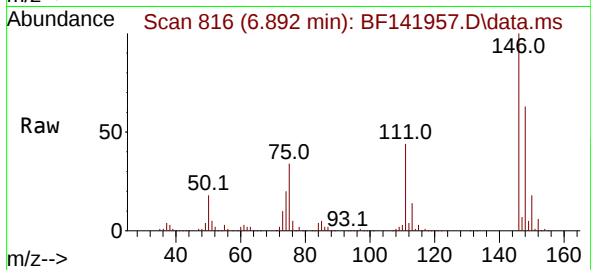




#13
1,4-Dichlorobenzene
Concen: 46.998 ng
RT: 6.892 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

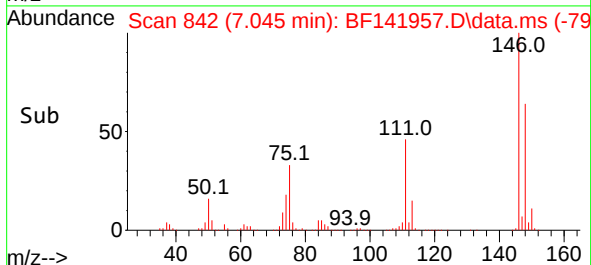
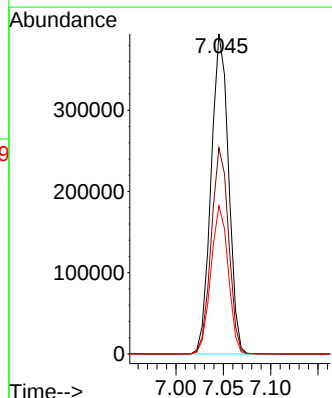
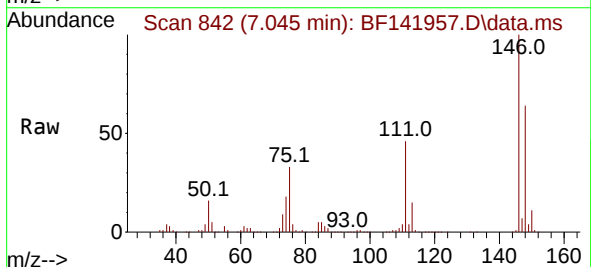
Instrument :
BNA_F
ClientSampleId :
PB167113BS

Tgt Ion:146 Resp: 526169
Ion Ratio Lower Upper
146 100
148 63.2 51.0 76.6
111 44.1 35.7 53.5



#14
1,2-Dichlorobenzene
Concen: 47.849 ng
RT: 7.045 min Scan# 842
Delta R.T. -0.006 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

Tgt Ion:146 Resp: 504574
Ion Ratio Lower Upper
146 100
148 64.4 50.8 76.2
111 46.3 38.0 57.0





#15

Benzyl Alcohol

Concen: 44.522 ng

RT: 7.016 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

Instrument :

BNA_F

ClientSampleId :

PB167113BS

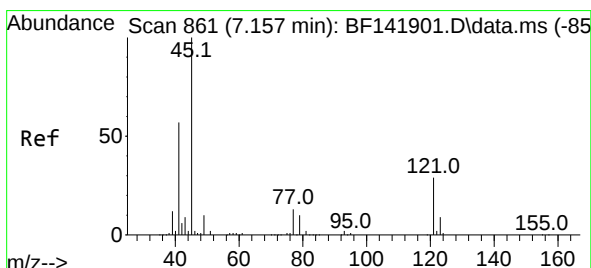
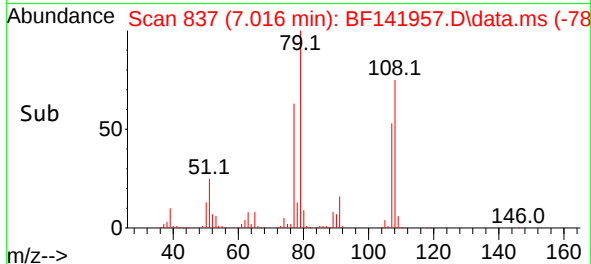
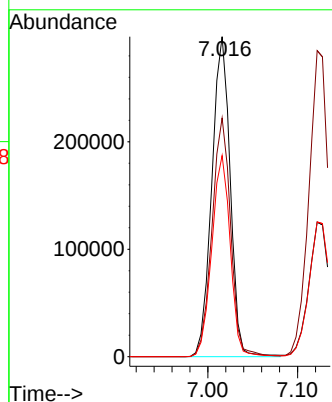
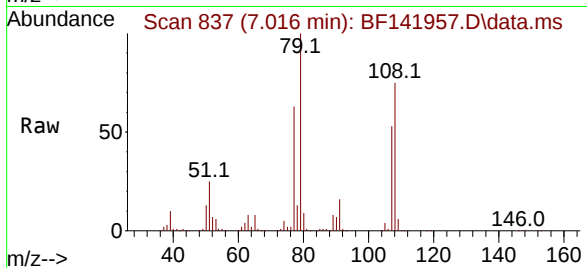
Tgt Ion: 79 Resp: 423502

Ion Ratio Lower Upper

79 100

108 74.6 59.7 89.5

77 62.8 51.0 76.6



#16

2,2'-oxybis(1-Chloropropane)

Concen: 43.041 ng

RT: 7.151 min Scan# 860

Delta R.T. -0.006 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

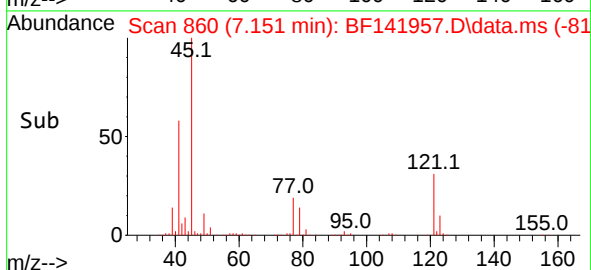
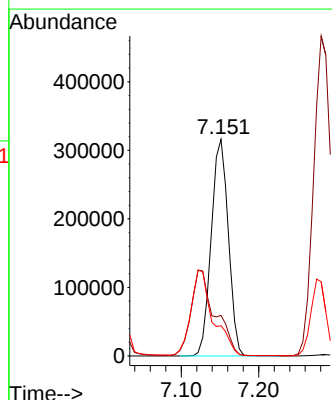
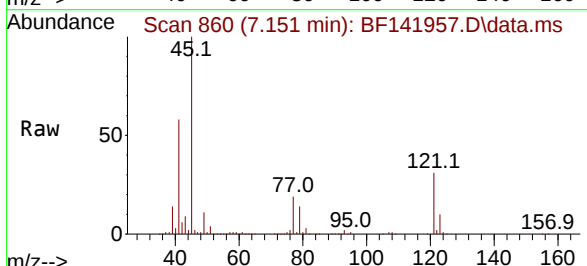
Tgt Ion: 45 Resp: 482970

Ion Ratio Lower Upper

45 100

77 18.7 0.0 37.8

79 14.0 0.0 34.2

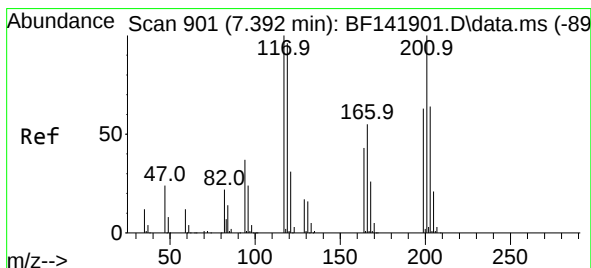
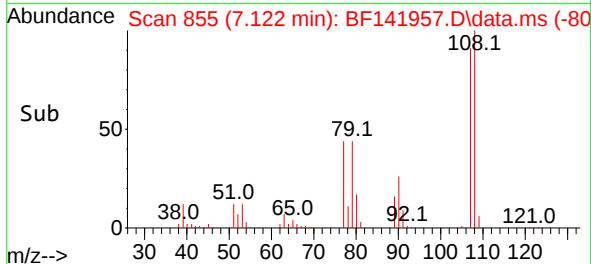
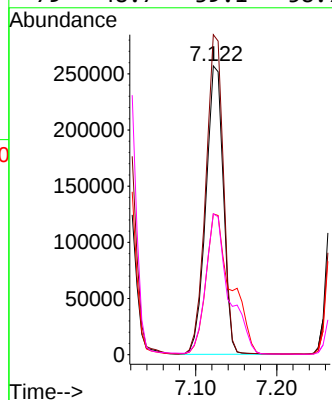
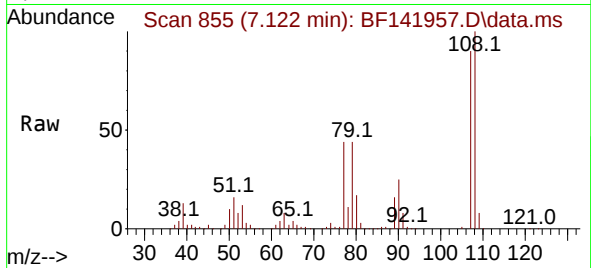




#17
2-Methylphenol
Concen: 47.123 ng
RT: 7.122 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

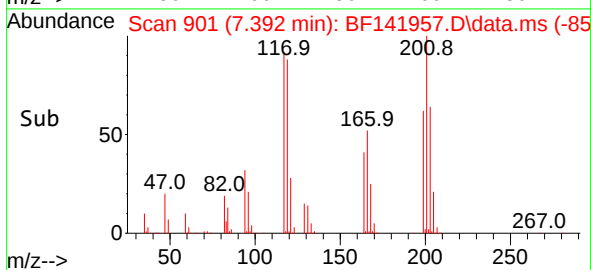
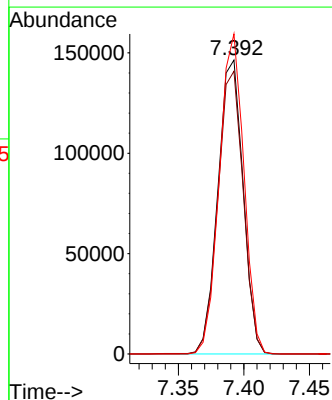
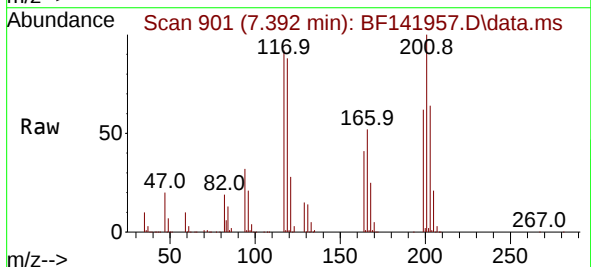
Instrument :
BNA_F
ClientSampleId :
PB167113BS

Tgt Ion:	107	Resp:	384015
Ion	Ratio	Lower	Upper
107	100		
108	110.8	90.2	135.2
77	48.8	39.6	59.4
79	48.7	39.1	58.7



#18
Hexachloroethane
Concen: 46.684 ng
RT: 7.392 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

Tgt Ion:	117	Resp:	195990
Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.9	115.3
201	108.9	79.9	119.9

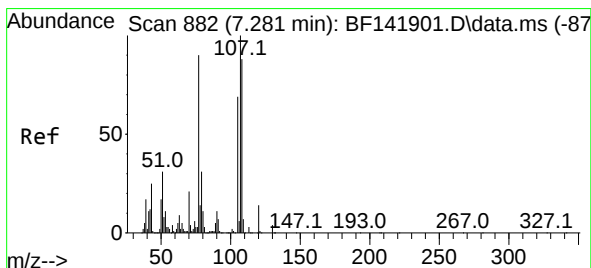
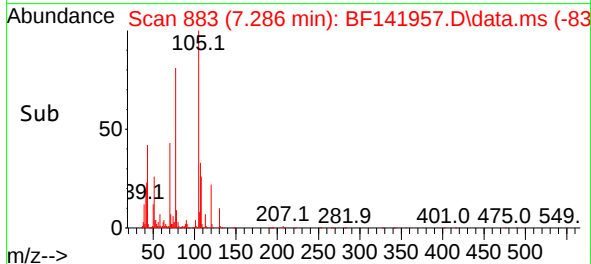
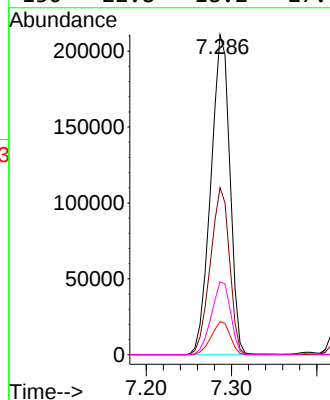
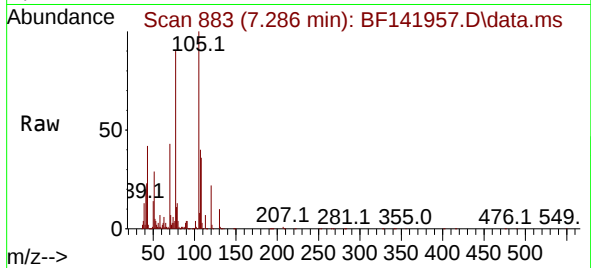




#19
n-Nitroso-di-n-propylamine
Concen: 43.443 ng
RT: 7.286 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

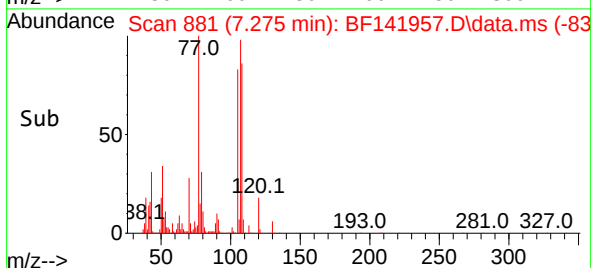
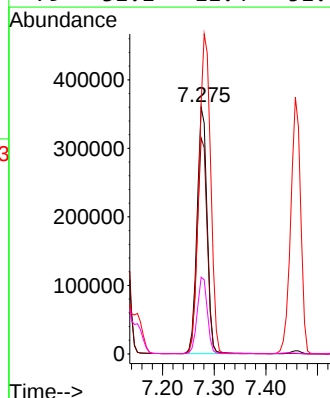
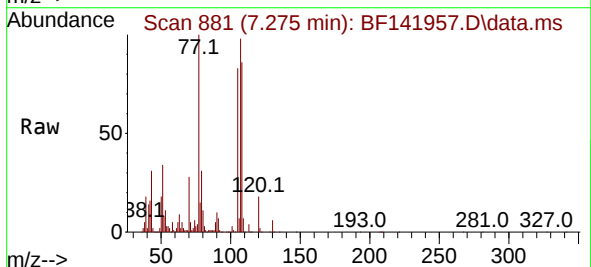
Instrument :
BNA_F
ClientSampleId :
PB167113BS

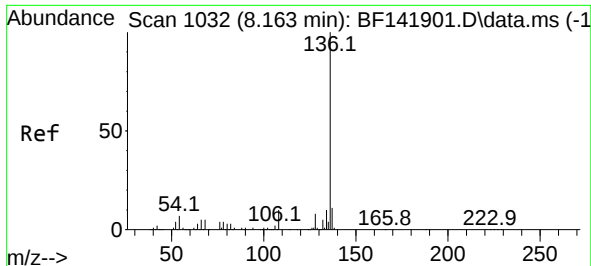
Tgt Ion: 70 Resp: 328444
Ion Ratio Lower Upper
70 100
42 52.2 41.4 62.0
101 10.3 8.2 12.2
130 22.8 18.2 27.4



#20
3+4-Methylphenols
Concen: 46.362 ng
RT: 7.275 min Scan# 881
Delta R.T. -0.006 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

Tgt Ion:107 Resp: 483932
Ion Ratio Lower Upper
107 100
108 87.6 68.4 108.4
77 101.7 69.7 109.7
79 31.1 11.4 51.4

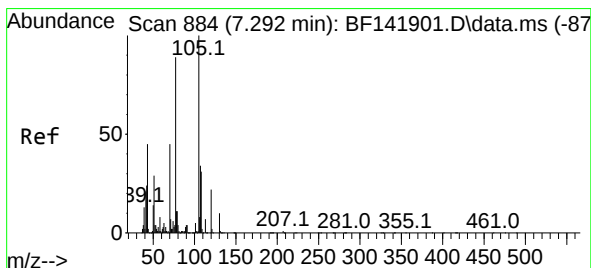
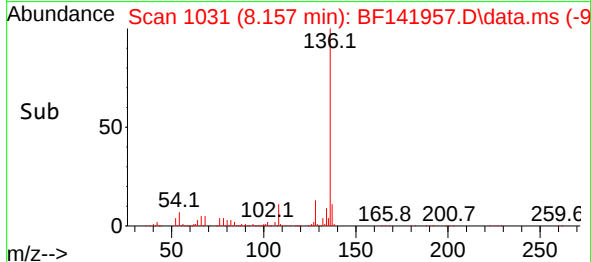
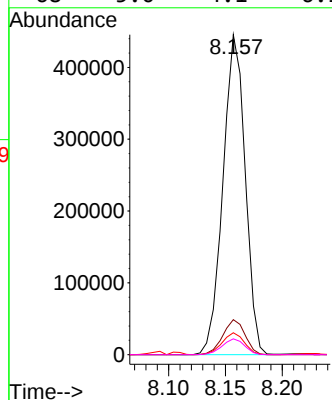
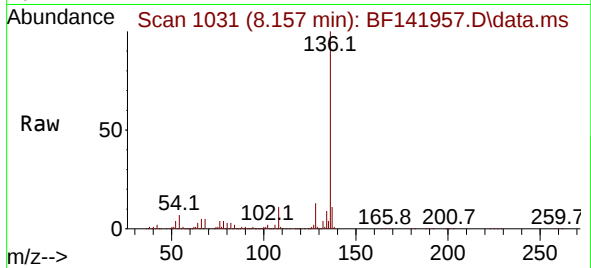




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

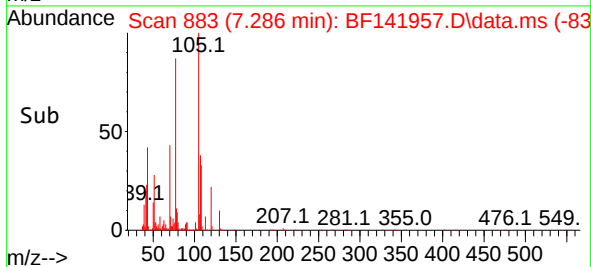
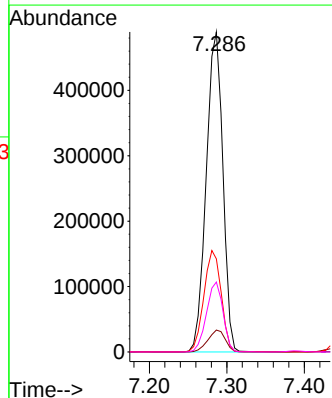
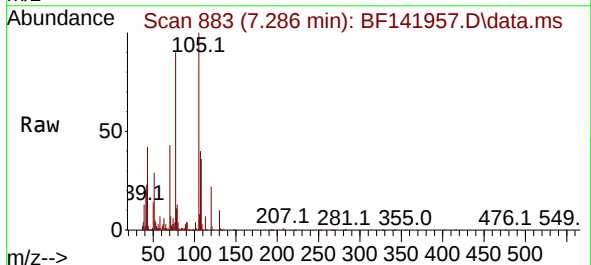
Instrument :
BNA_F
ClientSampleId :
PB167113BS

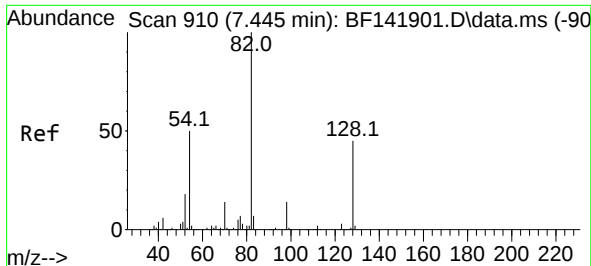
Tgt Ion:136 Resp: 607275
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 6.8 5.8 8.8
68 5.0 4.1 6.1



#22
Acetophenone
Concen: 50.125 ng
RT: 7.286 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

Tgt Ion:105 Resp: 728959
Ion Ratio Lower Upper
105 100
71 6.8 5.8 8.8
51 29.1 23.4 35.0
120 21.9 17.3 25.9

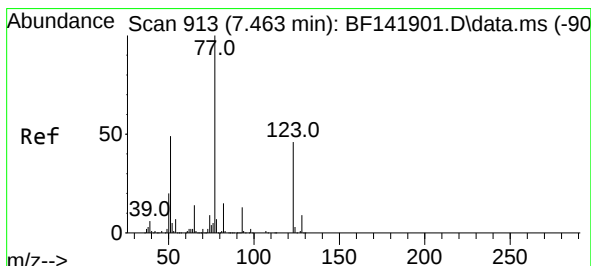
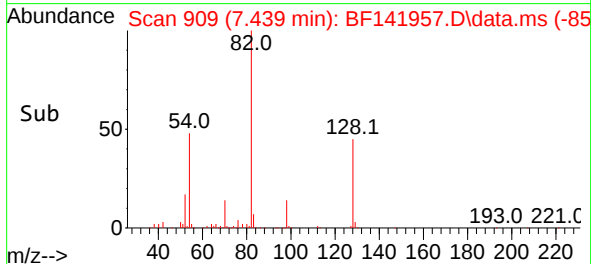
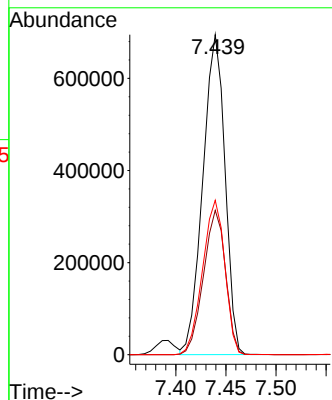
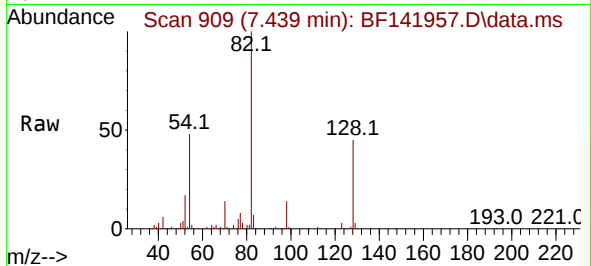




#23
Nitrobenzene-d5
Concen: 99.138 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

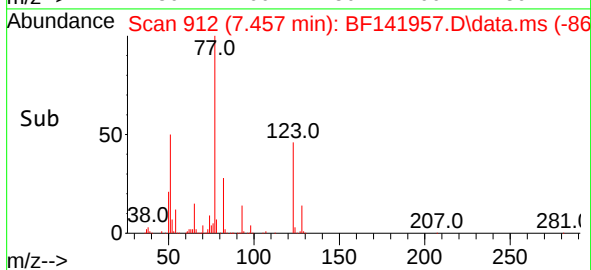
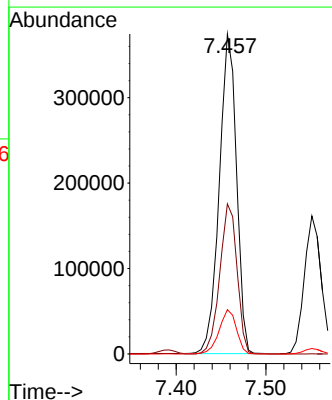
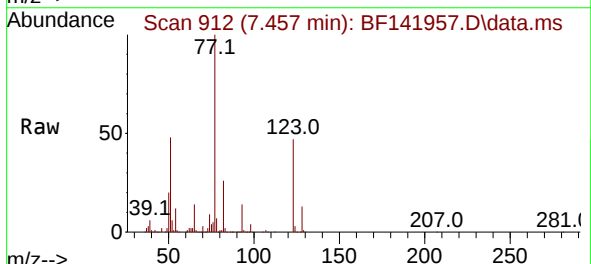
Instrument :
BNA_F
ClientSampleId :
PB167113BS

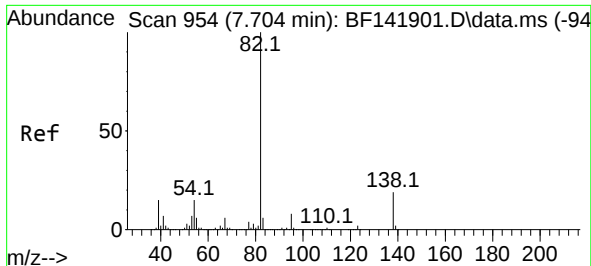
Tgt Ion: 82 Resp: 1069806
Ion Ratio Lower Upper
82 100
128 45.1 36.0 54.0
54 48.3 39.6 59.4



#24
Nitrobenzene
Concen: 46.548 ng
RT: 7.457 min Scan# 912
Delta R.T. -0.006 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

Tgt Ion: 77 Resp: 499347
Ion Ratio Lower Upper
77 100
123 46.9 37.0 55.4
65 13.9 11.3 16.9

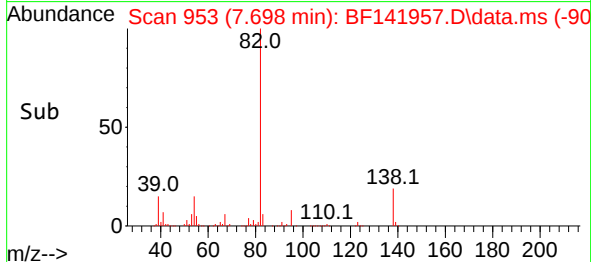
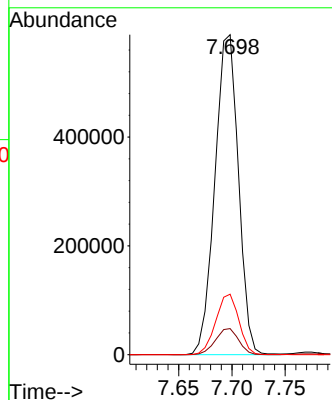
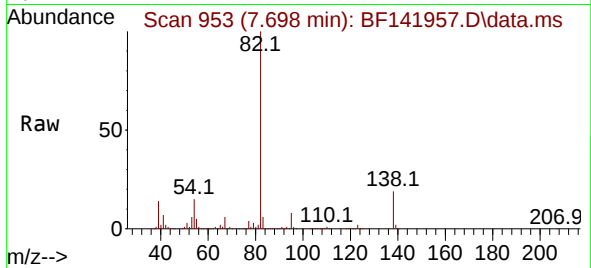




#25
Isophorone
Concen: 47.251 ng
RT: 7.698 min Scan# 901
Delta R.T. -0.006 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

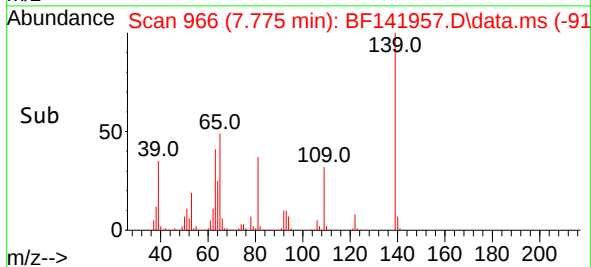
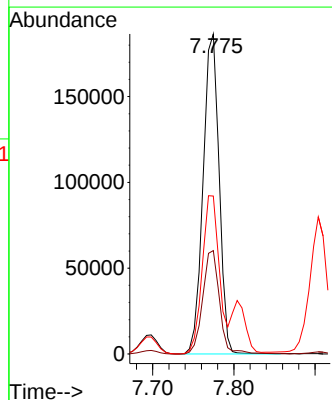
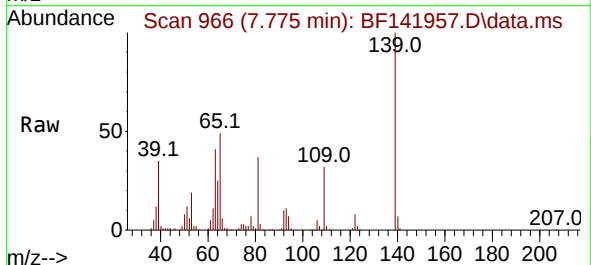
Instrument :
BNA_F
ClientSampleId :
PB167113BS

Tgt Ion: 82 Resp: 901302
Ion Ratio Lower Upper
82 100
95 8.1 6.4 9.6
138 18.9 14.9 22.3



#26
2-Nitrophenol
Concen: 48.529 ng
RT: 7.775 min Scan# 966
Delta R.T. -0.006 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

Tgt Ion:139 Resp: 255508
Ion Ratio Lower Upper
139 100
109 32.3 26.5 39.7
65 49.3 40.3 60.5





#27

2,4-Dimethylphenol

Concen: 58.349 ng

RT: 7.804 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

Instrument :

BNA_F

ClientSampleId :

PB167113BS

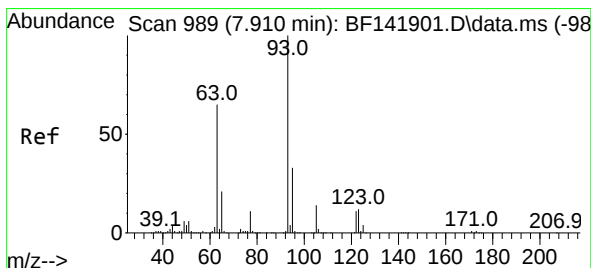
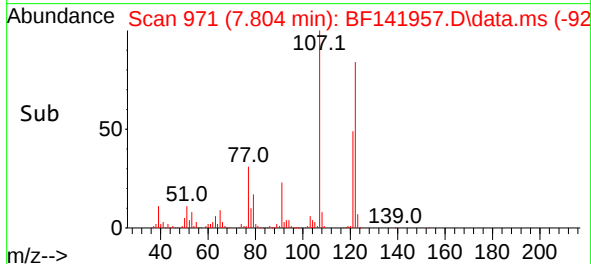
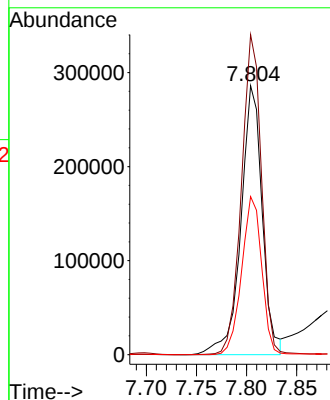
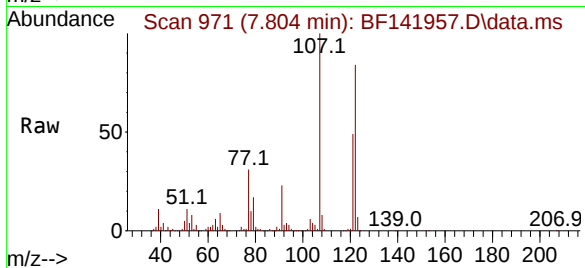
Tgt Ion:122 Resp: 423019

Ion Ratio Lower Upper

122 100

107 119.0 94.8 142.2

121 58.8 47.8 71.6



#28

bis(2-Chloroethoxy)methane

Concen: 45.327 ng

RT: 7.904 min Scan# 988

Delta R.T. -0.006 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

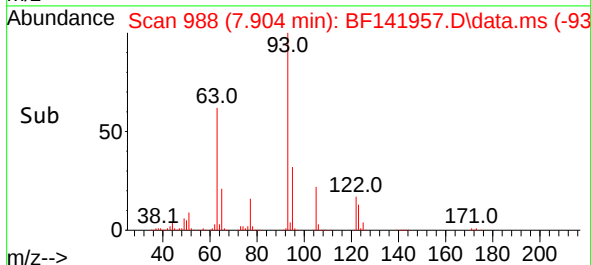
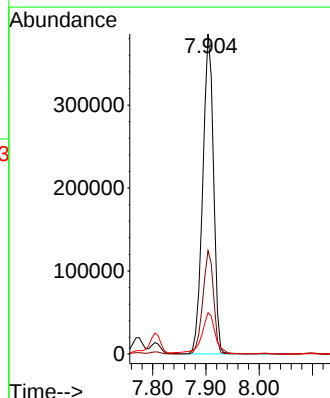
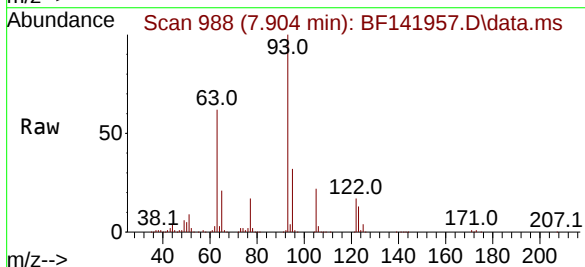
Tgt Ion: 93 Resp: 542290

Ion Ratio Lower Upper

93 100

95 32.3 26.6 40.0

123 12.9 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 46.364 ng

RT: 8.010 min Scan# 1006

Delta R.T. -0.006 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

Instrument :

BNA_F

ClientSampleId :

PB167113BS

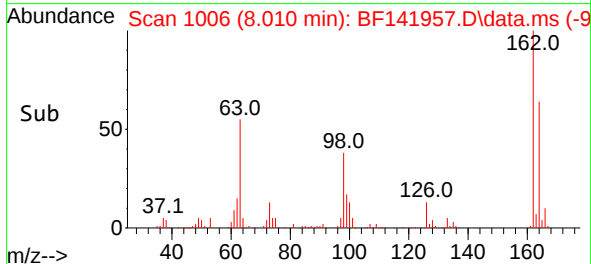
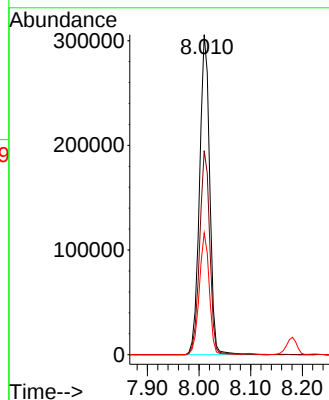
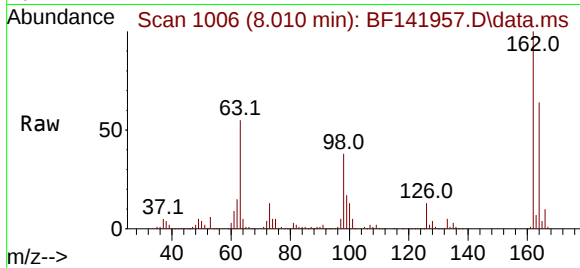
Tgt Ion:162 Resp: 417216

Ion Ratio Lower Upper

162 100

164 63.8 43.8 83.8

98 38.0 18.1 58.1



#30

1,2,4-Trichlorobenzene

Concen: 45.998 ng

RT: 8.098 min Scan# 1021

Delta R.T. -0.006 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

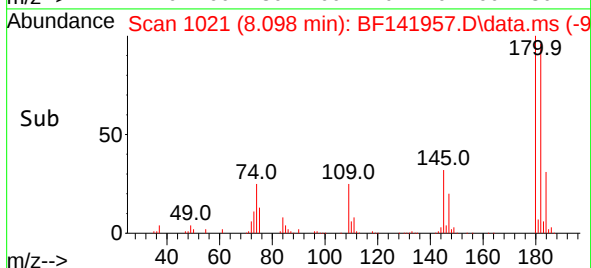
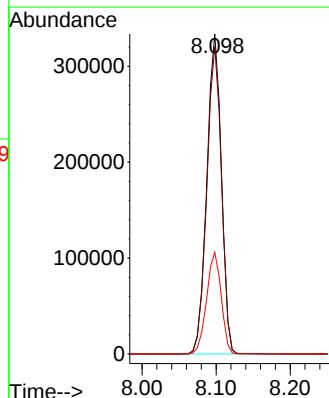
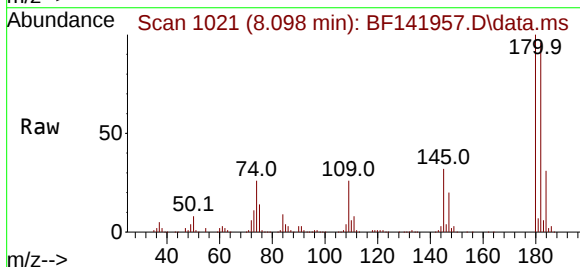
Tgt Ion:180 Resp: 456155

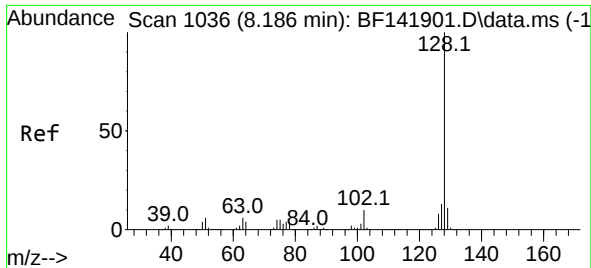
Ion Ratio Lower Upper

180 100

182 96.0 77.5 116.3

145 31.8 25.8 38.6

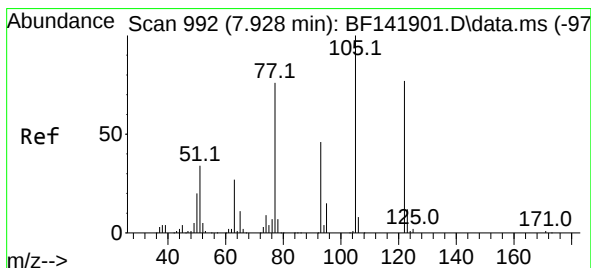
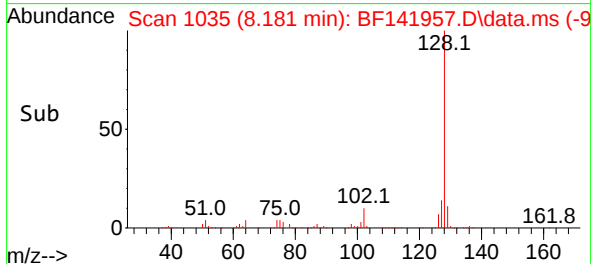
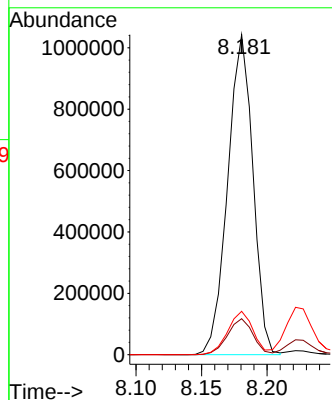
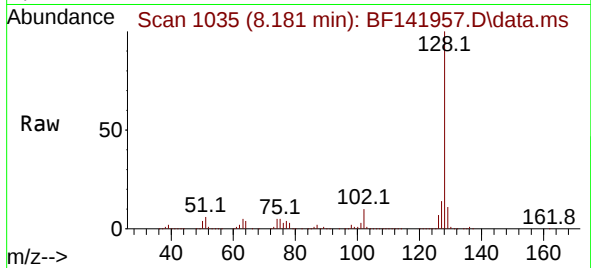




#31
Naphthalene
Concen: 44.755 ng
RT: 8.181 min Scan# 1036
Delta R.T. -0.006 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

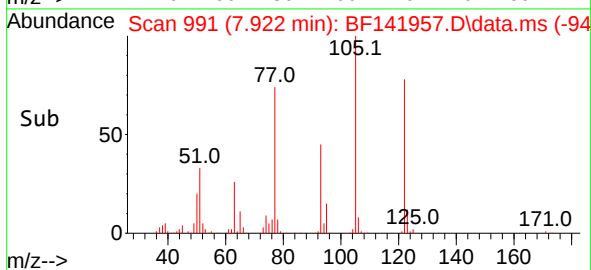
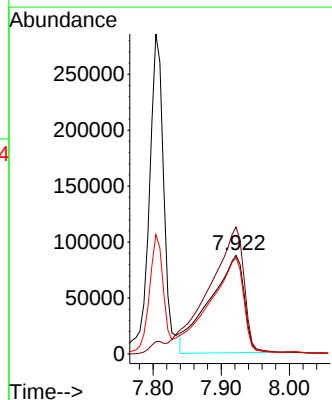
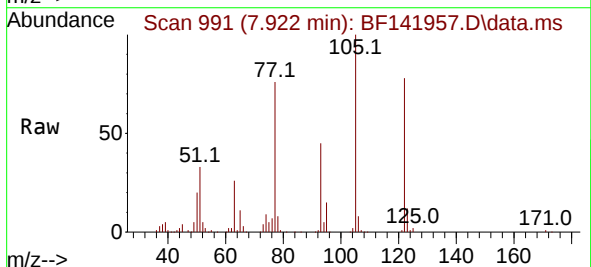
Instrument :
BNA_F
ClientSampleId :
PB167113BS

Tgt Ion:128 Resp: 1396112
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.6
127 13.5 10.8 16.2



#32
Benzoic acid
Concen: 48.030 ng
RT: 7.922 min Scan# 991
Delta R.T. -0.006 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

Tgt Ion:122 Resp: 306086
Ion Ratio Lower Upper
122 100
105 128.7 107.9 147.9
77 97.6 79.0 119.0

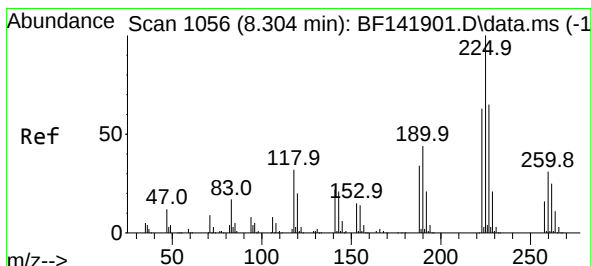
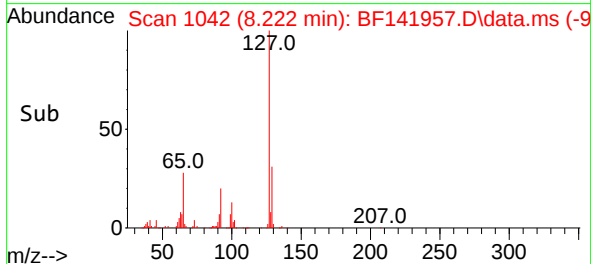
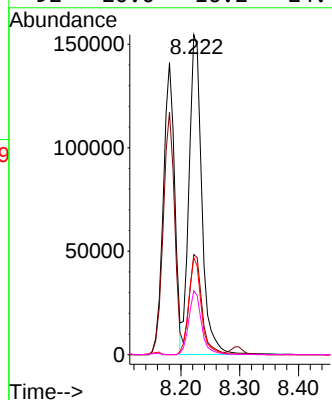
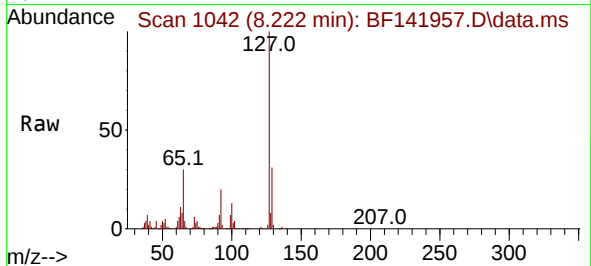




#33
4-Chloroaniline
Concen: 21.307 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

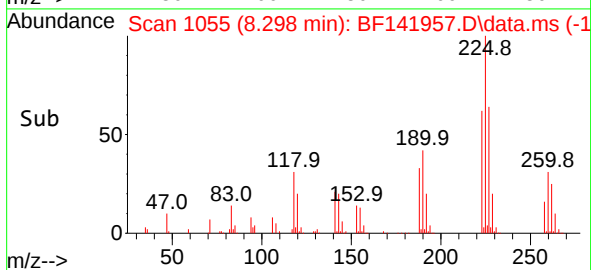
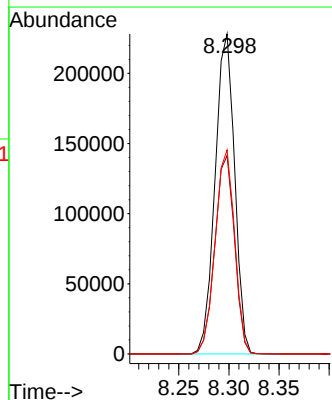
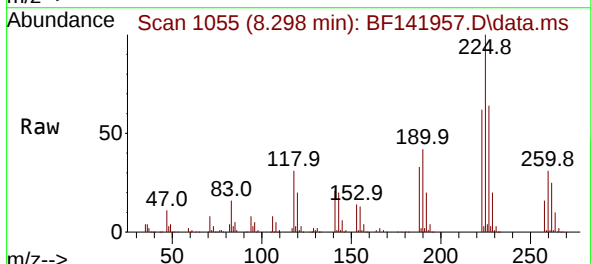
Instrument :
BNA_F
ClientSampleId :
PB167113BS

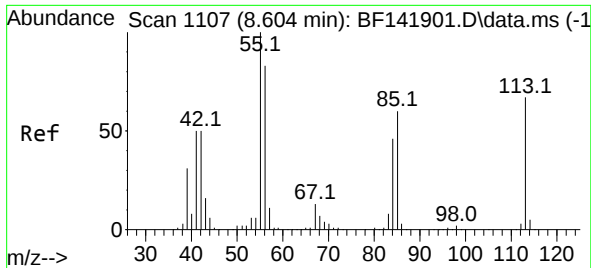
Tgt Ion:	127	Resp:	234635
Ion	Ratio	Lower	Upper
127	100		
129	31.3	26.2	39.4
65	30.3	25.4	38.2
92	20.0	16.2	24.4



#34
Hexachlorobutadiene
Concen: 47.830 ng
RT: 8.298 min Scan# 1055
Delta R.T. -0.006 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

Tgt Ion:	225	Resp:	309329
Ion	Ratio	Lower	Upper
225	100		
223	62.0	50.6	75.8
227	63.7	52.2	78.2

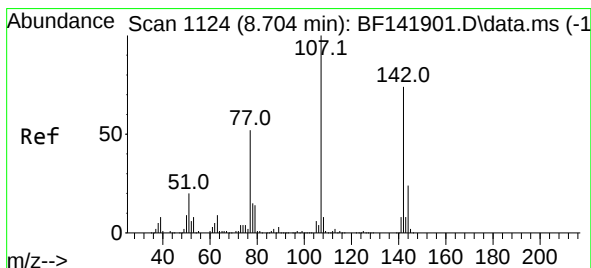
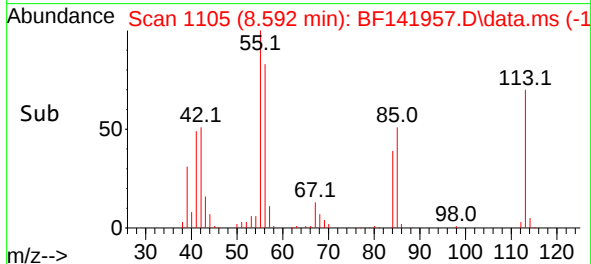
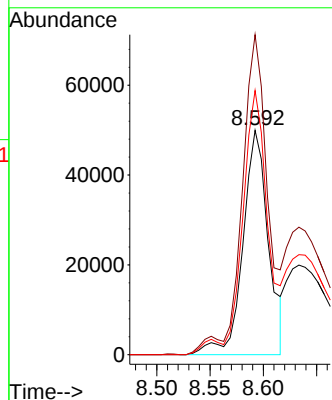
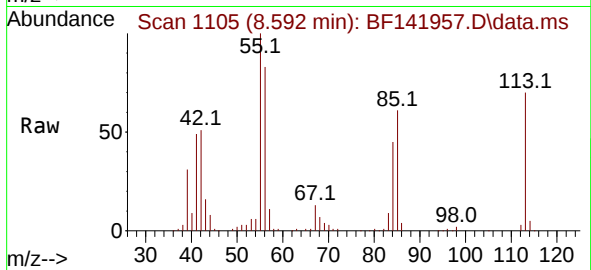




#35
 Caprolactam
 Concen: 30.212 ng
 RT: 8.592 min Scan# 1105
 Delta R.T. -0.012 min
 Lab File: BF141957.D
 Acq: 14 Mar 2025 11:09

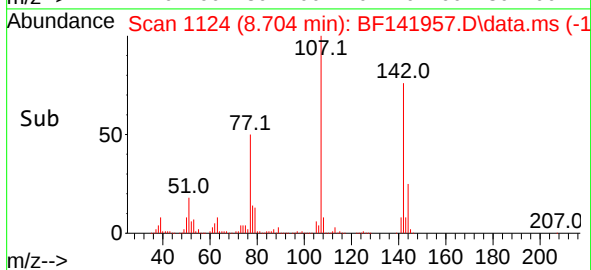
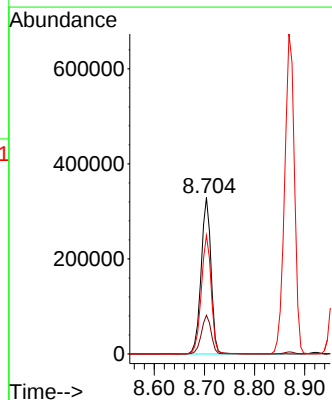
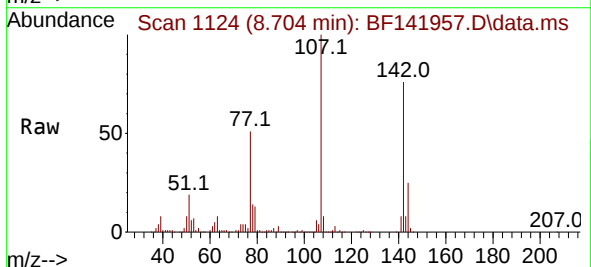
Instrument :
 BNA_F
 ClientSampleId :
 PB167113BS

Tgt Ion:113 Resp: 82888
 Ion Ratio Lower Upper
 113 100
 55 142.6 129.6 169.6
 56 117.7 104.0 144.0



#36
 4-Chloro-3-methylphenol
 Concen: 44.963 ng
 RT: 8.704 min Scan# 1124
 Delta R.T. 0.000 min
 Lab File: BF141957.D
 Acq: 14 Mar 2025 11:09

Tgt Ion:107 Resp: 451341
 Ion Ratio Lower Upper
 107 100
 144 24.7 19.0 28.6
 142 75.8 59.2 88.8

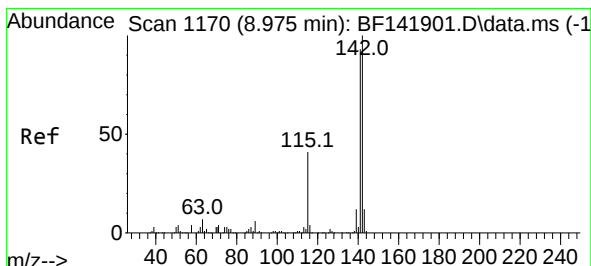
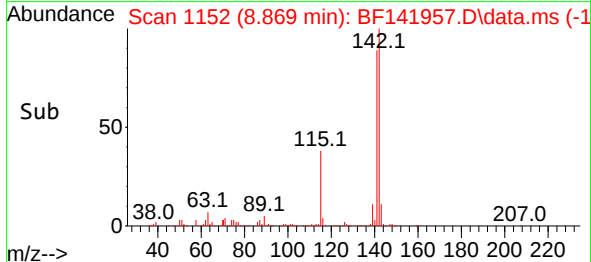
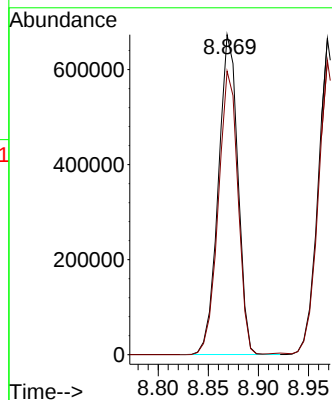
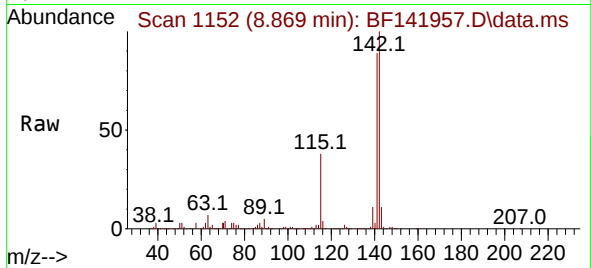




#37
2-Methylnaphthalene
Concen: 43.750 ng
RT: 8.869 min Scan# 1152
Delta R.T. -0.006 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

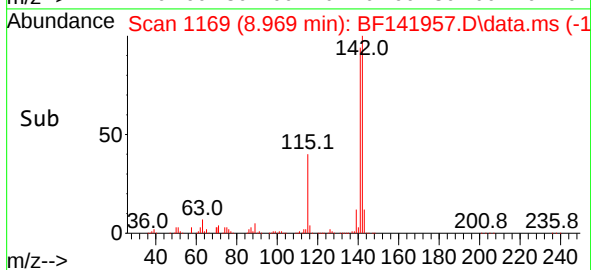
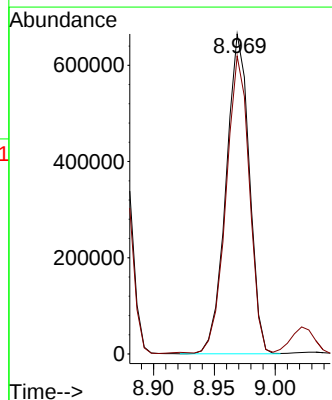
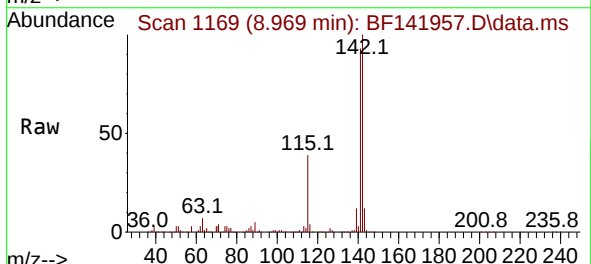
Instrument :
BNA_F
ClientSampleId :
PB167113BS

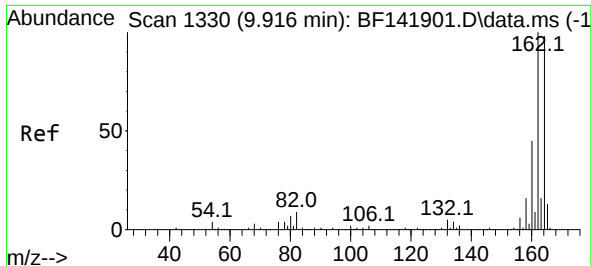
Tgt Ion:142 Resp: 912231
Ion Ratio Lower Upper
142 100
141 88.6 71.2 106.8



#38
1-Methylnaphthalene
Concen: 43.948 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

Tgt Ion:142 Resp: 884264
Ion Ratio Lower Upper
142 100
141 93.1 74.2 111.4

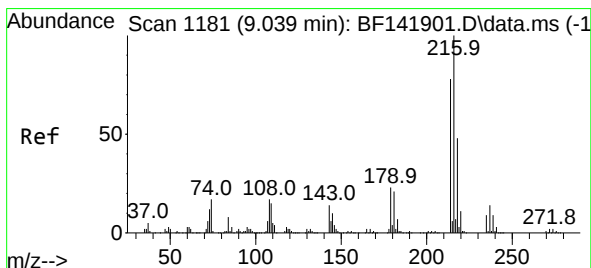
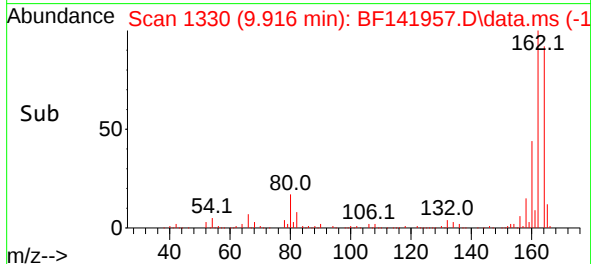
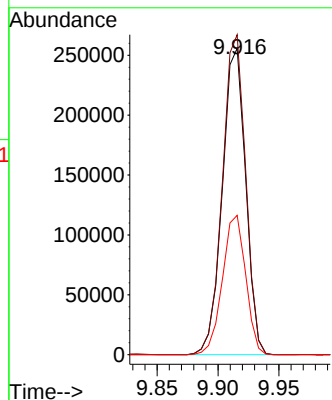
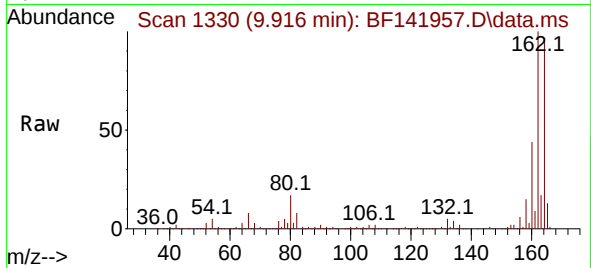




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1180
Delta R.T. -0.000 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

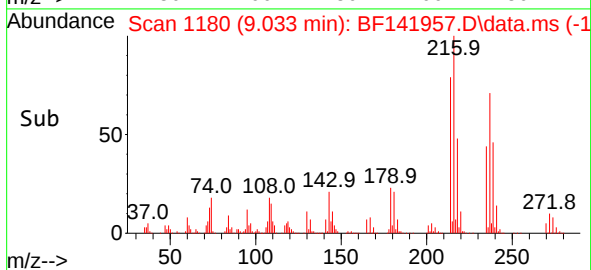
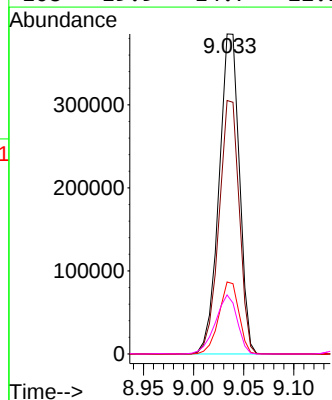
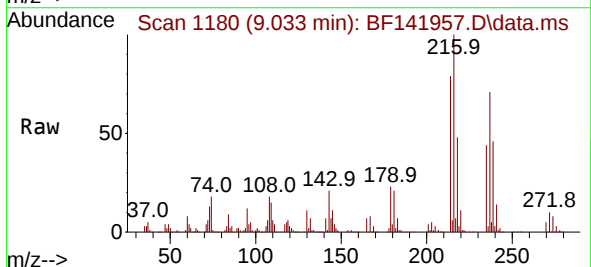
Instrument :
BNA_F
ClientSampleId :
PB167113BS

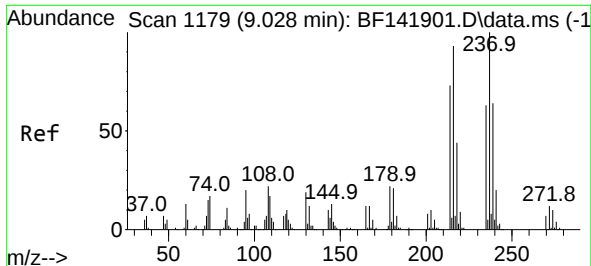
Tgt Ion:164 Resp: 341067
Ion Ratio Lower Upper
164 100
162 104.4 81.8 122.6
160 45.5 36.7 55.1



#40
1,2,4,5-Tetrachlorobenzene
Concen: 52.324 ng
RT: 9.033 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

Tgt Ion:216 Resp: 543343
Ion Ratio Lower Upper
216 100
214 78.8 61.9 92.9
179 22.1 18.1 27.1
108 19.9 14.7 22.1

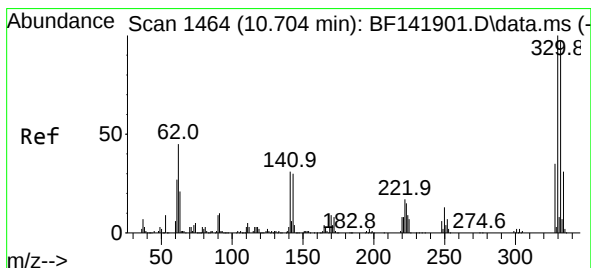
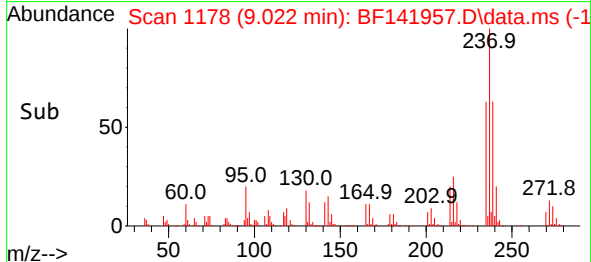
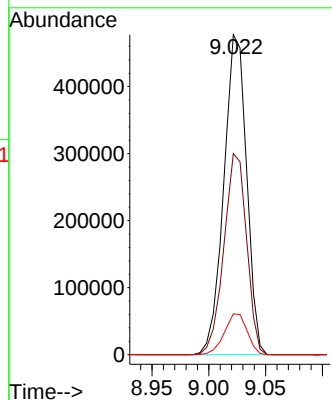
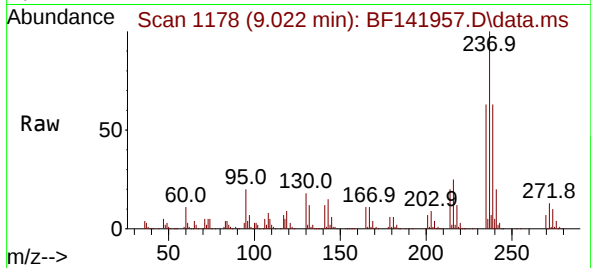




#41
Hexachlorocyclopentadiene
Concen: 163.944 ng
RT: 9.022 min Scan# 1179
Delta R.T. -0.006 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

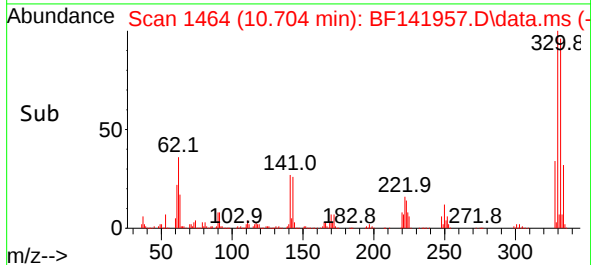
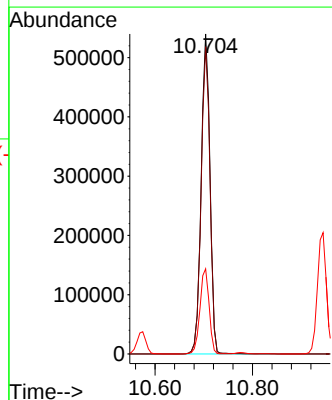
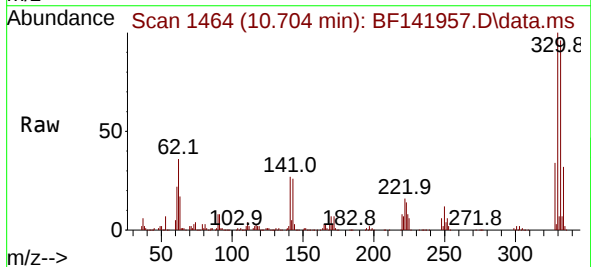
Instrument :
BNA_F
ClientSampleId :
PB167113BS

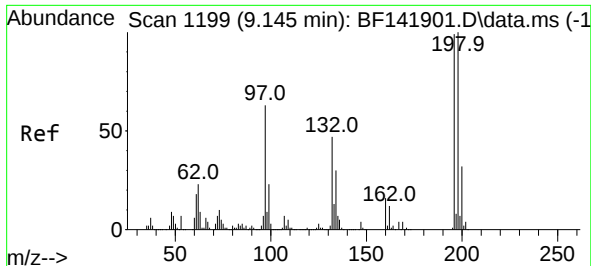
Tgt Ion:237 Resp: 666256
Ion Ratio Lower Upper
237 100
235 62.9 43.1 83.1
272 12.7 0.0 32.0



#42
2,4,6-Tribromophenol
Concen: 157.293 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

Tgt Ion:330 Resp: 680590
Ion Ratio Lower Upper
330 100
332 96.4 77.6 116.4
141 27.8 24.7 37.1





#43

2,4,6-Trichlorophenol

Concen: 47.919 ng

RT: 9.145 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

Instrument :

BNA_F

ClientSampleId :

PB167113BS

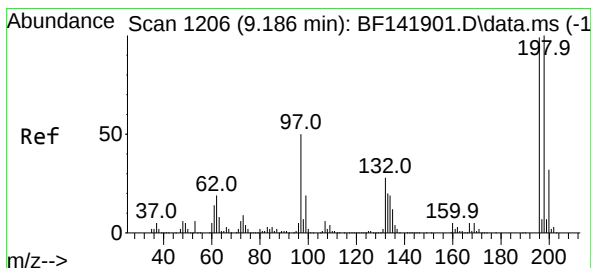
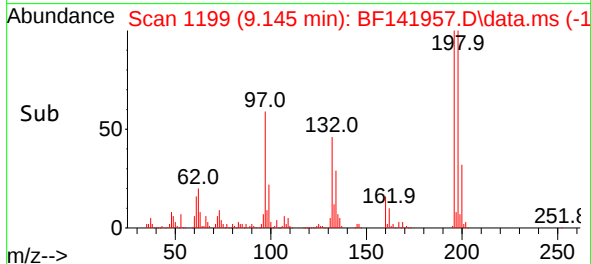
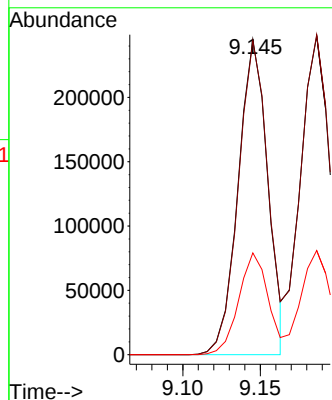
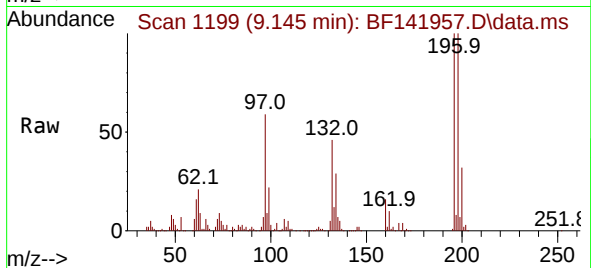
Tgt Ion:196 Resp: 325197

Ion Ratio Lower Upper

196 100

198 99.5 80.6 121.0

200 32.3 25.8 38.6



#44

2,4,5-Trichlorophenol

Concen: 48.474 ng

RT: 9.186 min Scan# 1206

Delta R.T. 0.000 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

Tgt Ion:196 Resp: 333178

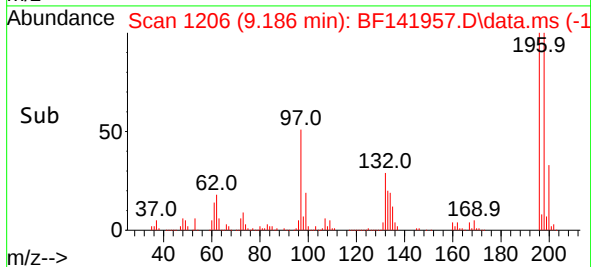
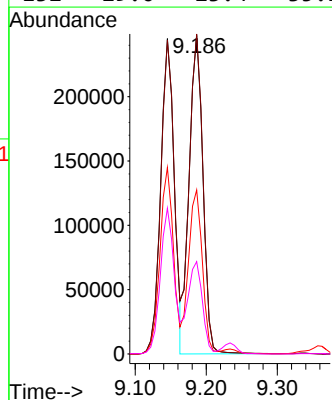
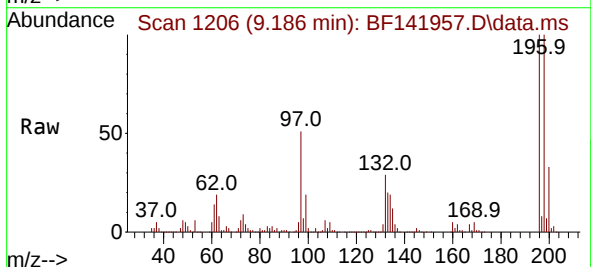
Ion Ratio Lower Upper

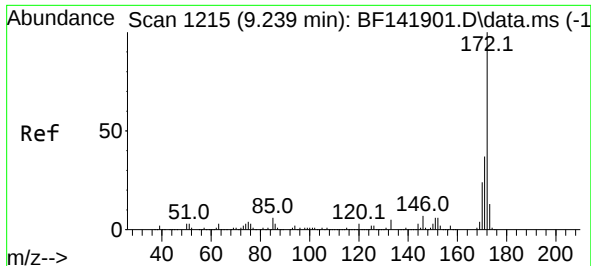
196 100

198 100.4 80.7 121.1

97 51.5 42.1 63.1

132 29.0 23.4 35.2

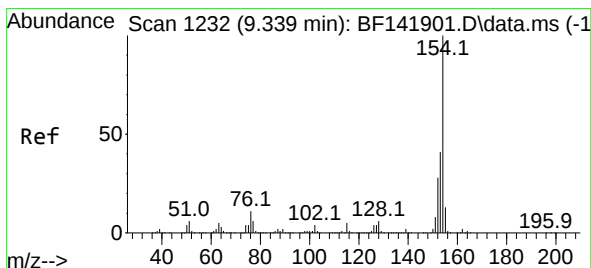
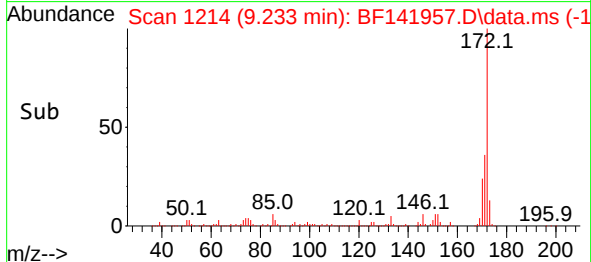
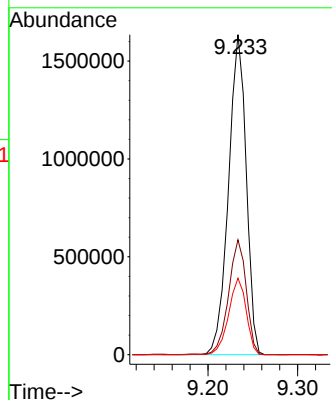
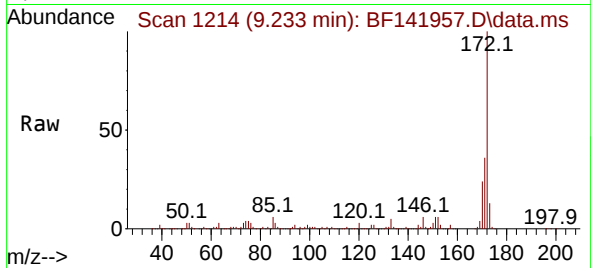




#45
2-Fluorobiphenyl
Concen: 99.734 ng
RT: 9.233 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

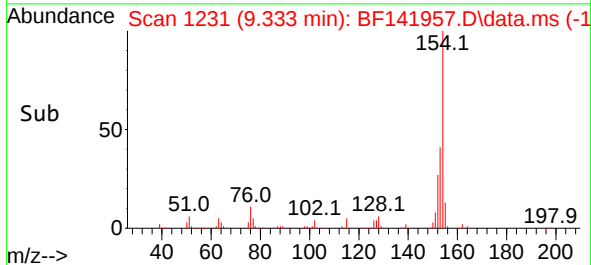
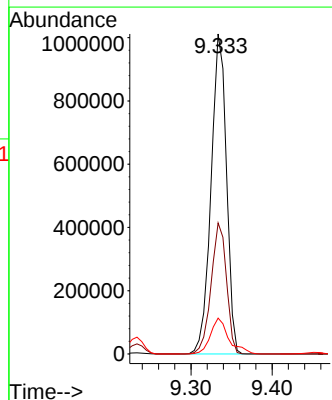
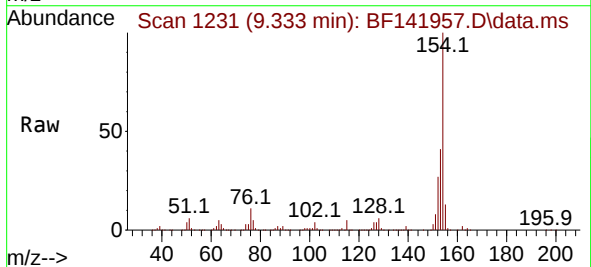
Instrument :
BNA_F
ClientSampleId :
PB167113BS

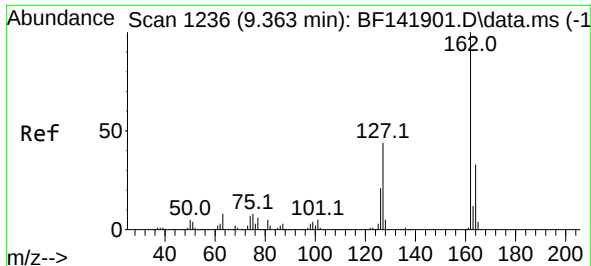
Tgt Ion:172 Resp: 2236708
Ion Ratio Lower Upper
172 100
171 35.9 29.3 43.9
170 23.9 19.4 29.0



#46
1,1'-Biphenyl
Concen: 51.319 ng
RT: 9.333 min Scan# 1231
Delta R.T. -0.006 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

Tgt Ion:154 Resp: 1329930
Ion Ratio Lower Upper
154 100
153 40.9 21.1 61.1
76 11.2 0.0 31.3

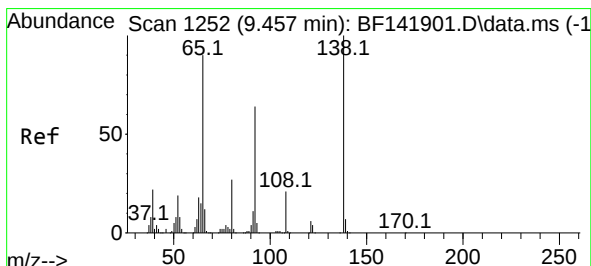
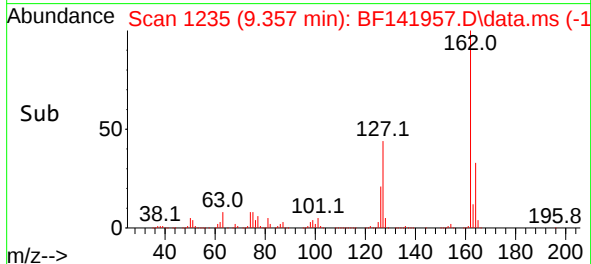
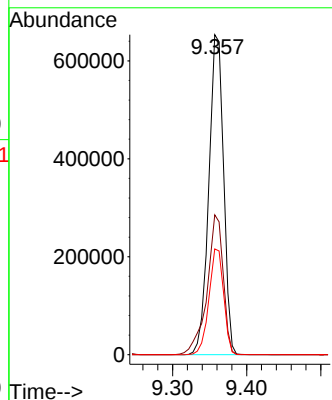
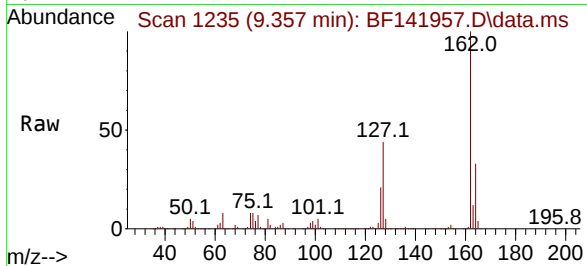




#47
2-Chloronaphthalene
Concen: 46.898 ng
RT: 9.357 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

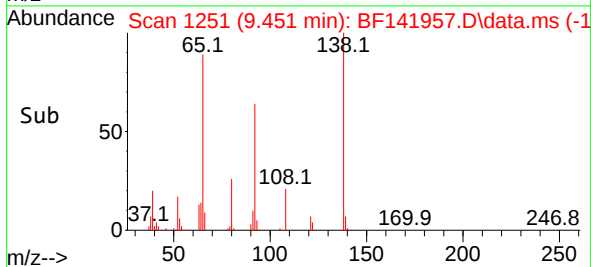
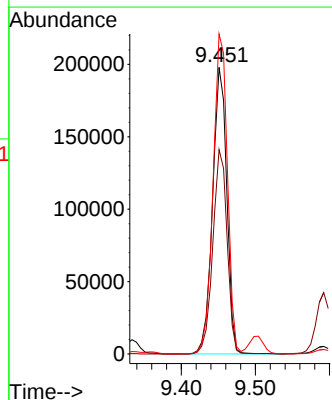
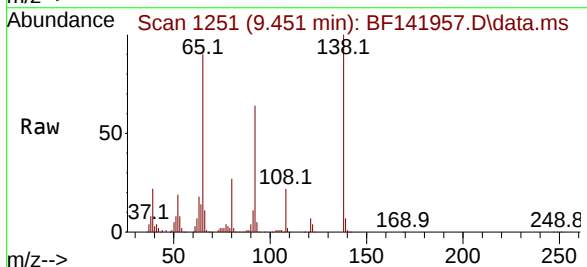
Instrument :
BNA_F
ClientSampleId :
PB167113BS

Tgt Ion:162 Resp: 905854
Ion Ratio Lower Upper
162 100
127 43.7 35.5 53.3
164 33.0 26.6 40.0



#48
2-Nitroaniline
Concen: 47.153 ng
RT: 9.451 min Scan# 1251
Delta R.T. -0.006 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

Tgt Ion: 65 Resp: 263709
Ion Ratio Lower Upper
65 100
92 71.3 56.6 84.8
138 111.6 88.6 133.0

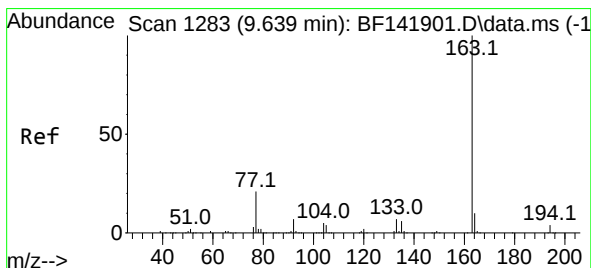
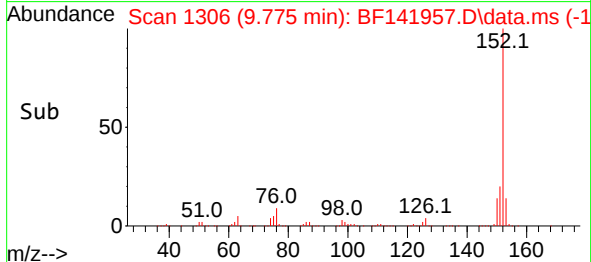
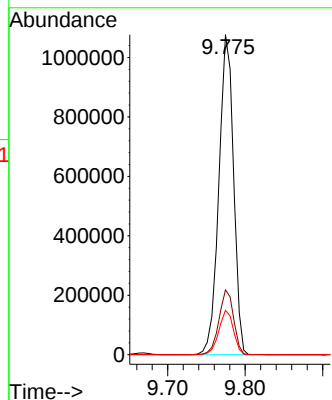
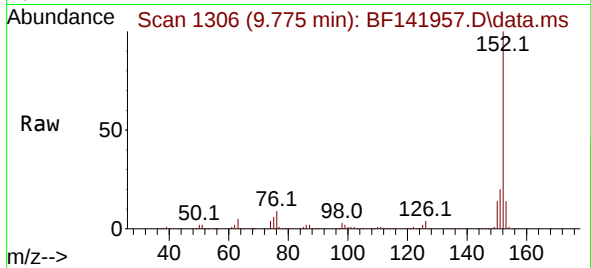




#49
Acenaphthylene
Concen: 49.500 ng
RT: 9.775 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

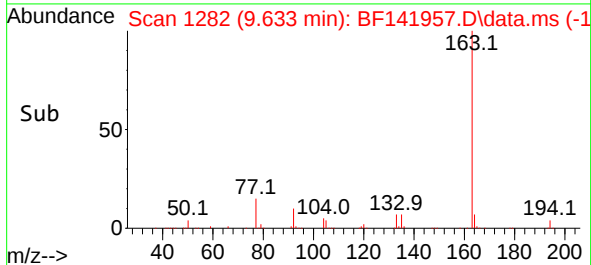
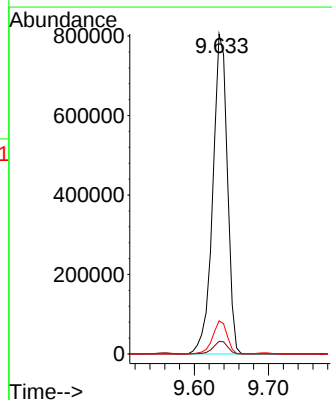
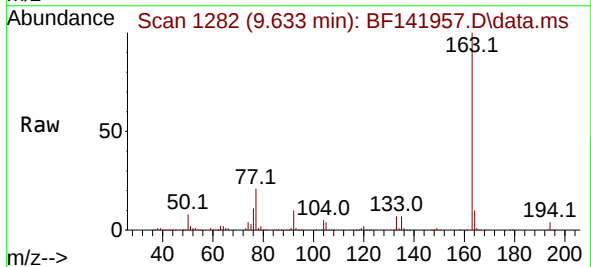
Instrument :
BNA_F
ClientSampleId :
PB167113BS

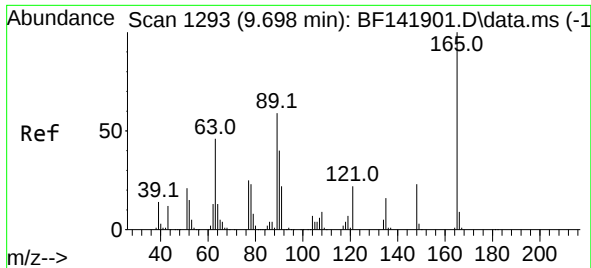
Tgt Ion:152 Resp: 1418834
Ion Ratio Lower Upper
152 100
151 20.2 16.3 24.5
153 13.9 11.1 16.7



#50
Dimethylphthalate
Concen: 45.963 ng
RT: 9.633 min Scan# 1282
Delta R.T. -0.006 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

Tgt Ion:163 Resp: 1097787
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 10.4 8.2 12.4

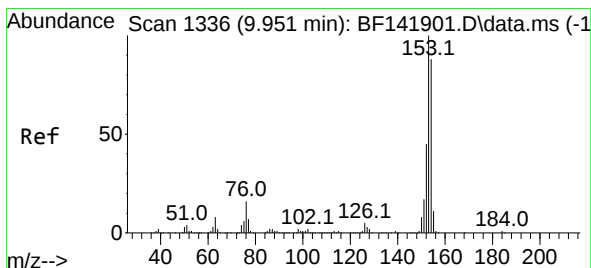
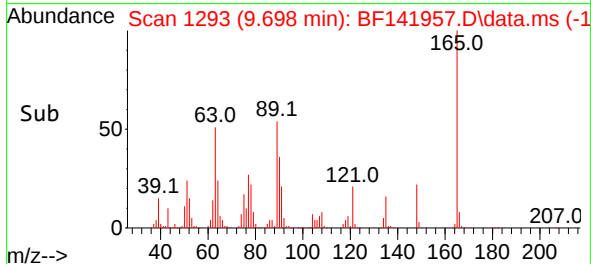
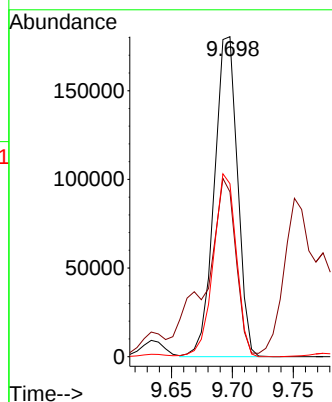
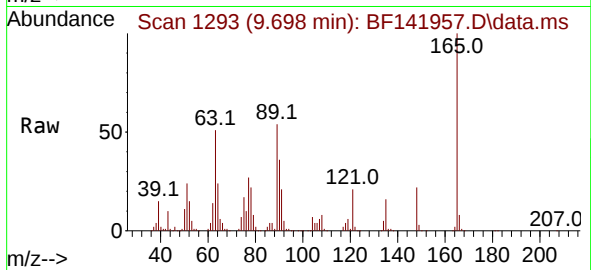




#51
2,6-Dinitrotoluene
Concen: 48.211 ng
RT: 9.698 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

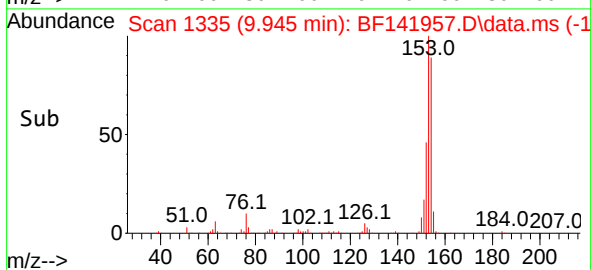
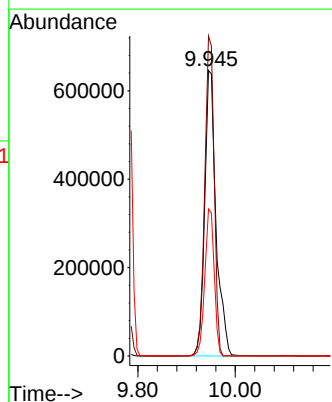
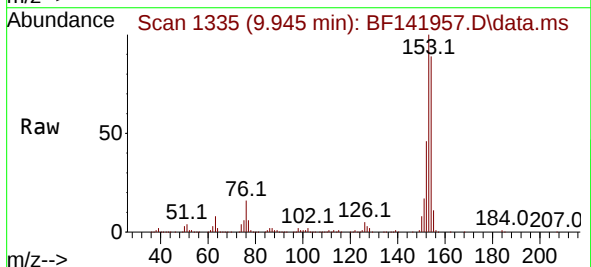
Instrument :
BNA_F
ClientSampleId :
PB167113BS

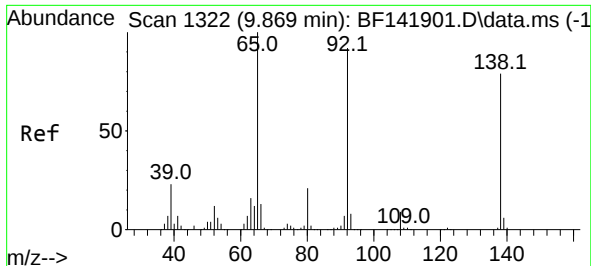
Tgt Ion:165 Resp: 239750
Ion Ratio Lower Upper
165 100
63 51.5 47.0 70.4
89 54.1 47.4 71.2



#52
Acenaphthene
Concen: 52.008 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

Tgt Ion:154 Resp: 1047621
Ion Ratio Lower Upper
154 100
153 112.1 90.7 136.1
152 51.5 41.1 61.7

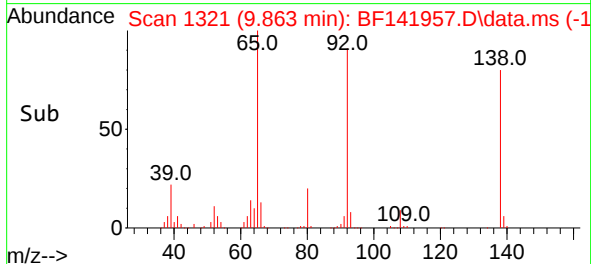
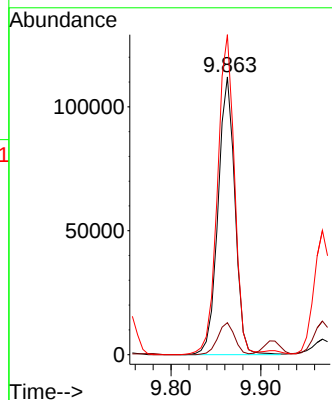
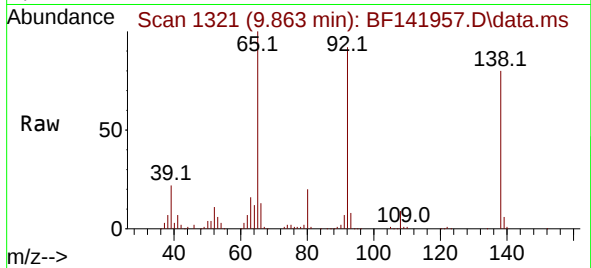




#53
3-Nitroaniline
Concen: 29.020 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

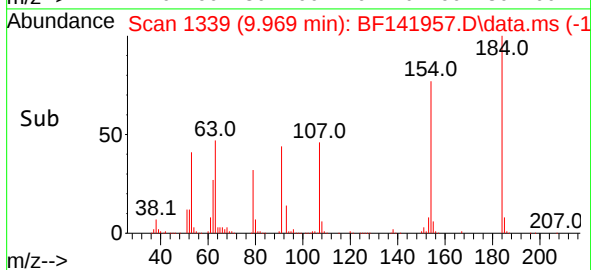
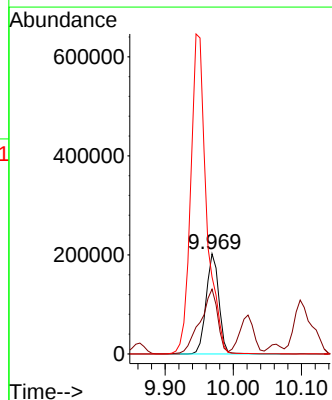
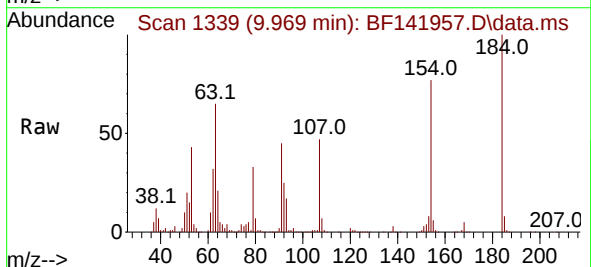
Instrument :
BNA_F
ClientSampleId :
PB167113BS

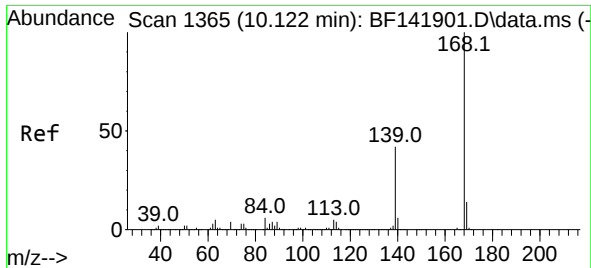
Tgt Ion:138 Resp: 146388
Ion Ratio Lower Upper
138 100
108 11.5 9.3 13.9
92 115.2 93.5 140.3



#54
2,4-Dinitrophenol
Concen: 92.217 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

Tgt Ion:184 Resp: 263648
Ion Ratio Lower Upper
184 100
63 64.6 60.2 90.4
154 76.8 132.9 199.3#

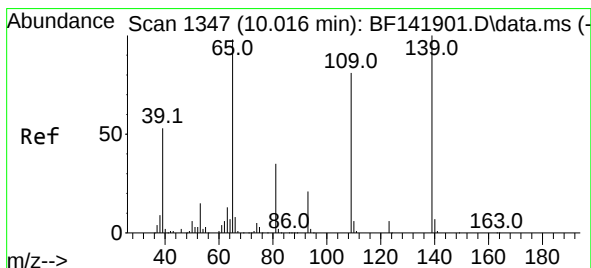
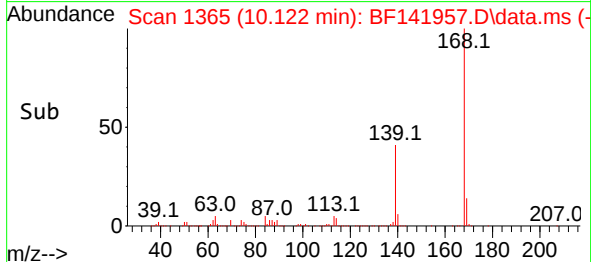
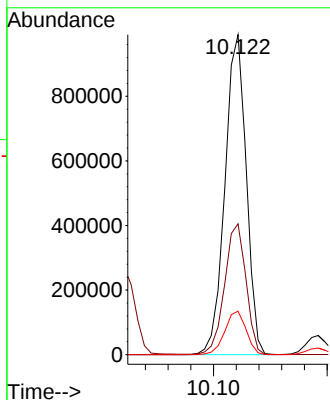
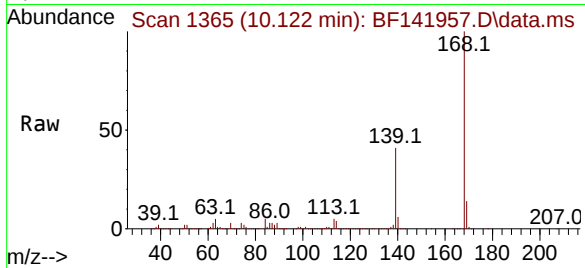




#55
Dibenzenofuran
Concen: 44.826 ng
RT: 10.122 min Scan# 1365
Delta R.T. 0.000 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

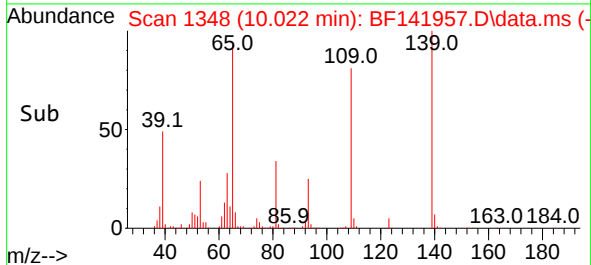
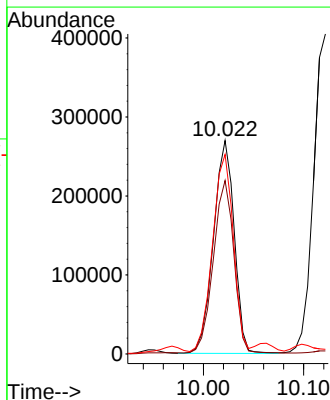
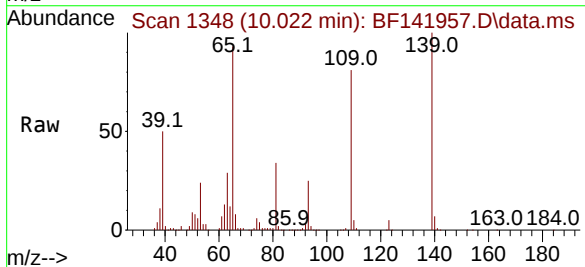
Instrument :
BNA_F
ClientSampleId :
PB167113BS

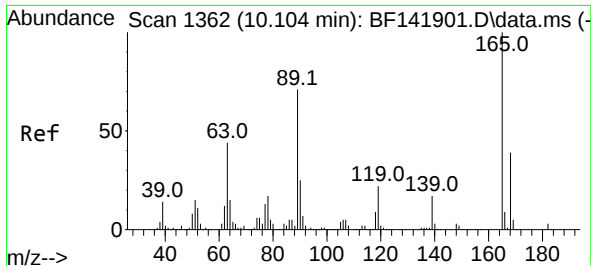
Tgt Ion:168 Resp: 1290216
Ion Ratio Lower Upper
168 100
139 40.9 33.9 50.9
169 13.6 11.0 16.4



#56
4-Nitrophenol
Concen: 101.973 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.006 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

Tgt Ion:139 Resp: 387913
Ion Ratio Lower Upper
139 100
109 81.2 61.6 101.6
65 93.5 79.4 119.4

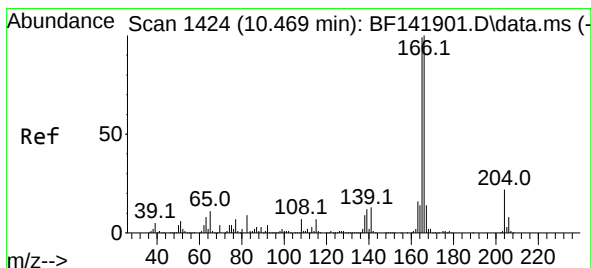
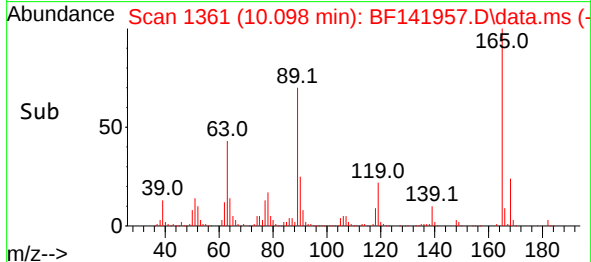
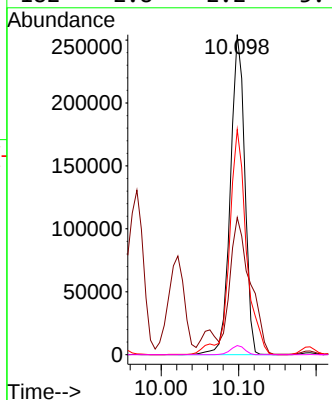
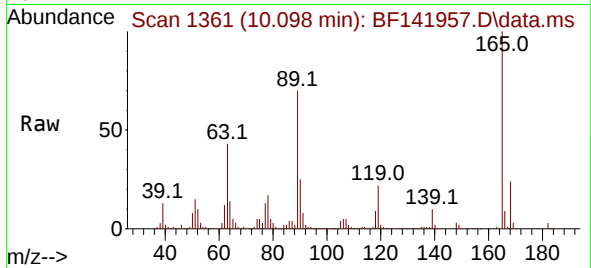




#57
2,4-Dinitrotoluene
Concen: 50.631 ng
RT: 10.098 min Scan# 1361
Delta R.T. -0.006 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

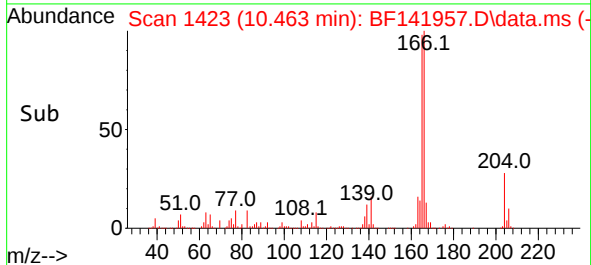
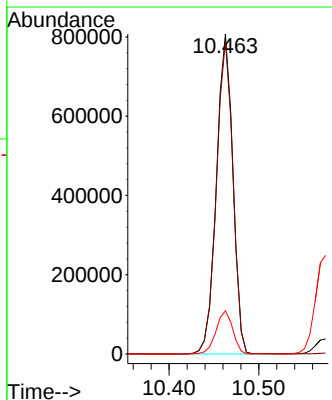
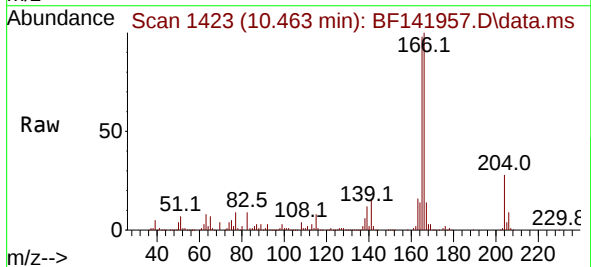
Instrument :
BNA_F
ClientSampleId :
PB167113BS

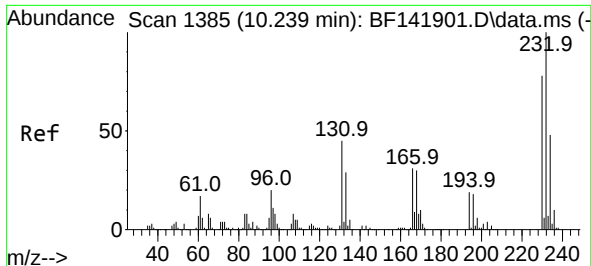
Tgt Ion:165 Resp: 328855
Ion Ratio Lower Upper
165 100
63 42.9 35.4 53.2
89 70.3 56.6 84.8
182 2.8 2.2 3.4



#58
Fluorene
Concen: 46.362 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

Tgt Ion:166 Resp: 1029067
Ion Ratio Lower Upper
166 100
165 97.7 79.0 118.4
167 13.5 11.0 16.4

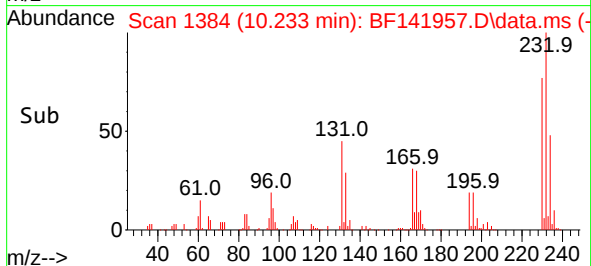
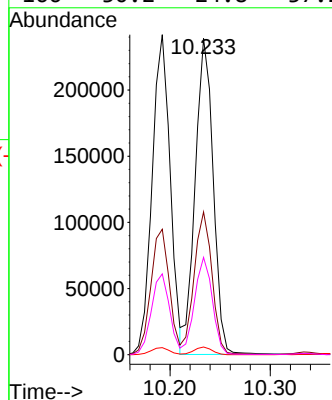
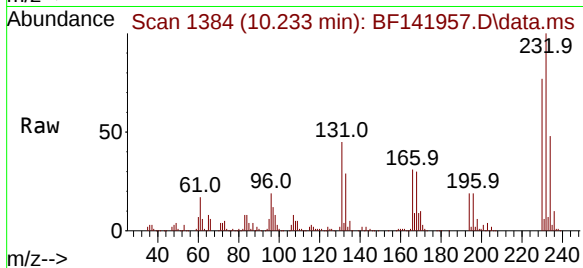




#59
2,3,4,6-Tetrachlorophenol
Concen: 47.677 ng
RT: 10.233 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

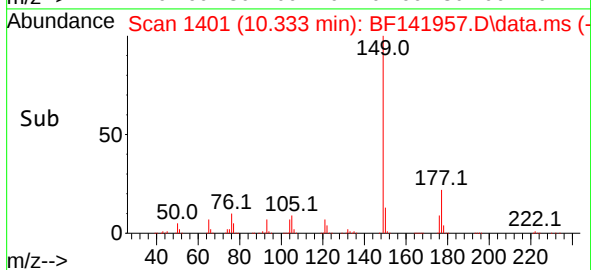
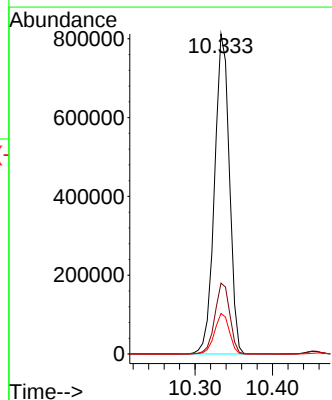
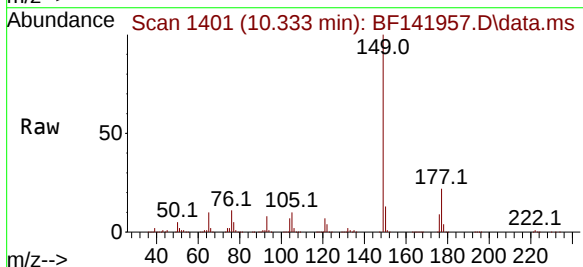
Instrument :
BNA_F
ClientSampleId :
PB167113BS

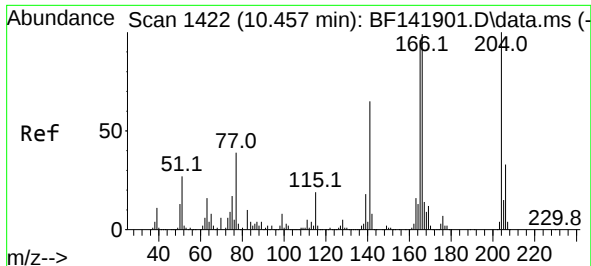
Tgt Ion:232 Resp: 298197
Ion Ratio Lower Upper
232 100
131 44.8 37.3 55.9
130 2.4 1.9 2.9
166 30.2 24.8 37.2



#60
Diethylphthalate
Concen: 45.351 ng
RT: 10.333 min Scan# 1401
Delta R.T. -0.006 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

Tgt Ion:149 Resp: 1080043
Ion Ratio Lower Upper
149 100
177 22.2 18.0 27.0
150 12.7 10.2 15.4

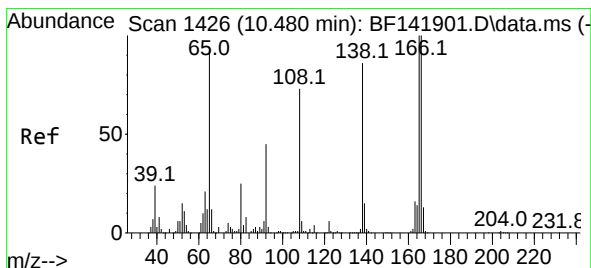
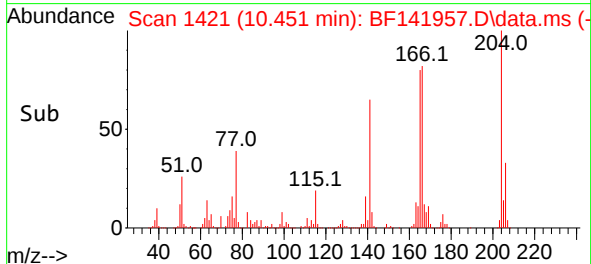
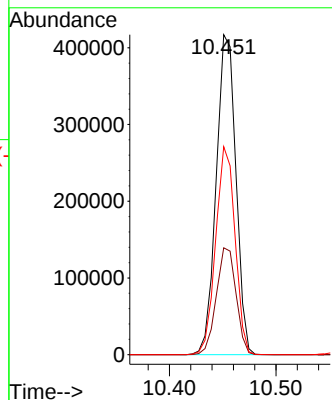
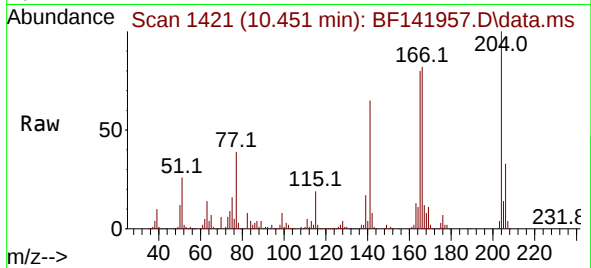




#61
4-Chlorophenyl-phenylether
Concen: 46.162 ng
RT: 10.451 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

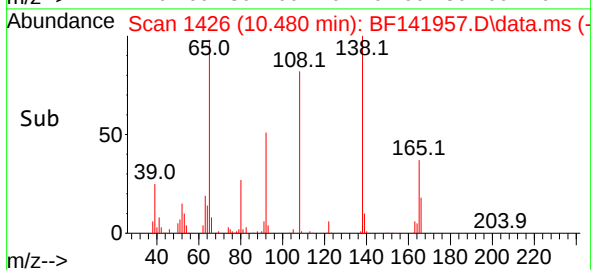
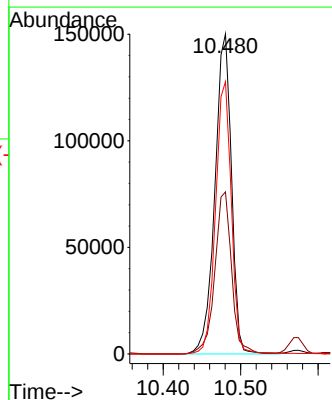
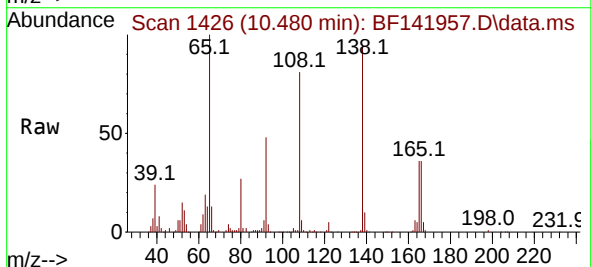
Instrument :
BNA_F
ClientSampleId :
PB167113BS

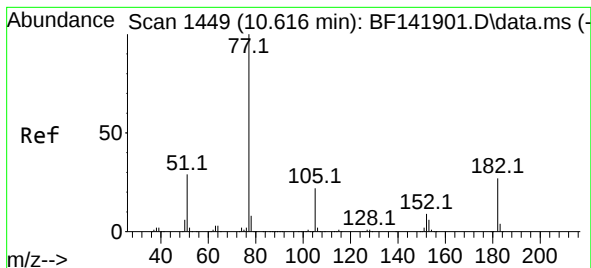
Tgt Ion:204 Resp: 534185
Ion Ratio Lower Upper
204 100
206 33.4 26.8 40.2
141 65.0 52.4 78.6



#62
4-Nitroaniline
Concen: 45.431 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

Tgt Ion:138 Resp: 223110
Ion Ratio Lower Upper
138 100
92 50.6 32.6 72.6
108 85.1 65.0 105.0





#63

Azobenzene

Concen: 43.522 ng

RT: 10.616 min Scan# 1449

Delta R.T. 0.000 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

Instrument :

BNA_F

ClientSampleId :

PB167113BS

Tgt Ion: 77 Resp: 963645

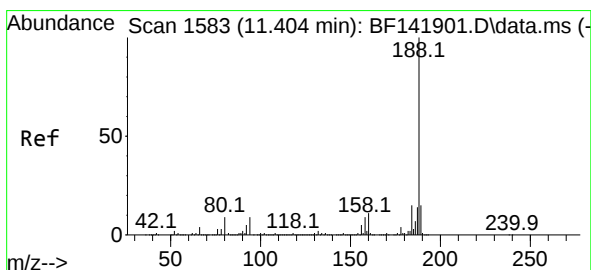
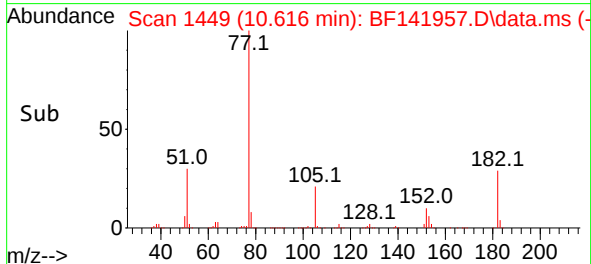
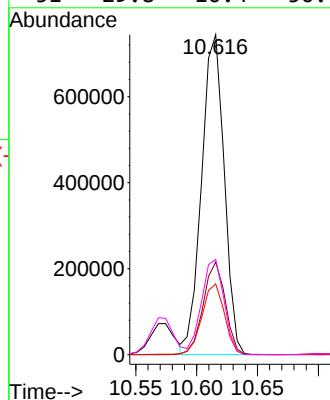
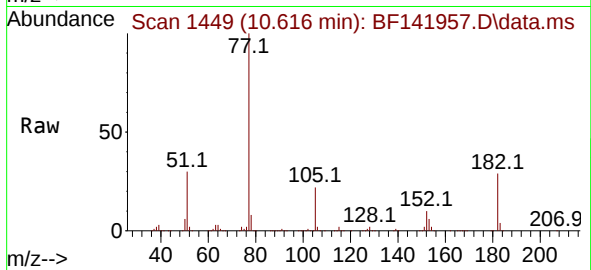
Ion Ratio Lower Upper

77 100

182 29.0 6.6 46.6

105 22.1 1.3 41.3

51 29.8 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: BF141957.D

Acq: 14 Mar 2025 11:09

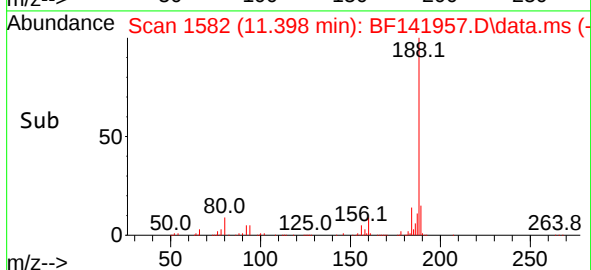
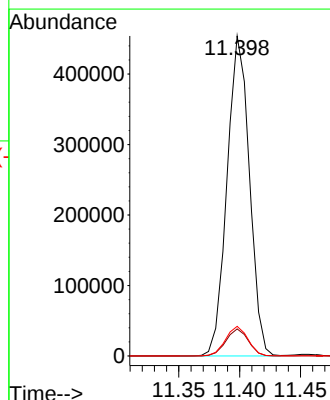
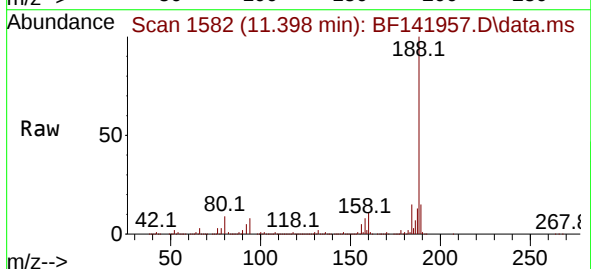
Tgt Ion: 188 Resp: 581893

Ion Ratio Lower Upper

188 100

94 8.4 6.8 10.2

80 9.2 7.6 11.4

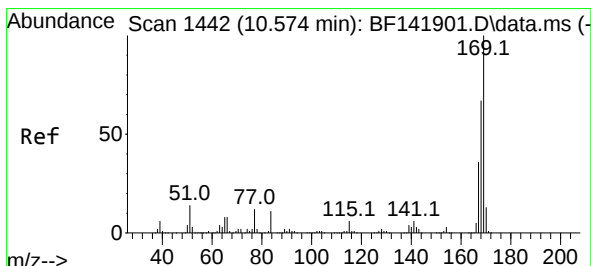
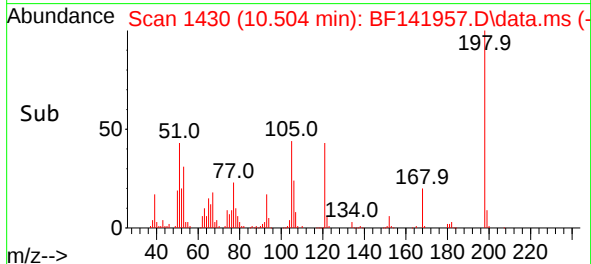
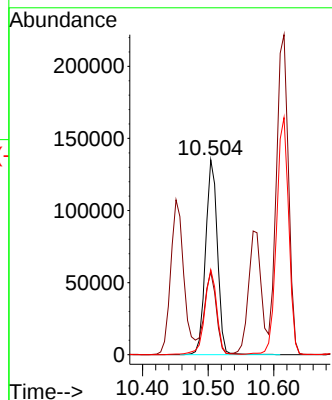
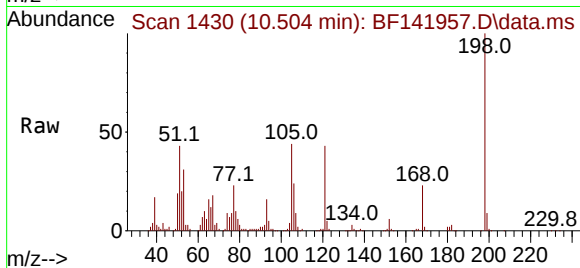




#65
4,6-Dinitro-2-methylphenol
Concen: 48.999 ng
RT: 10.504 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

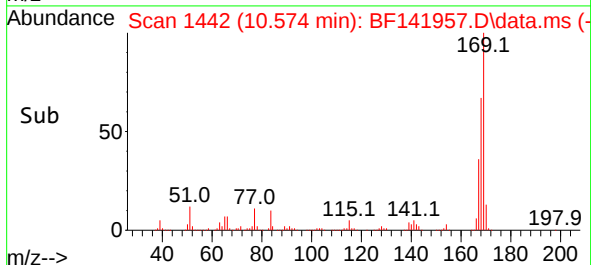
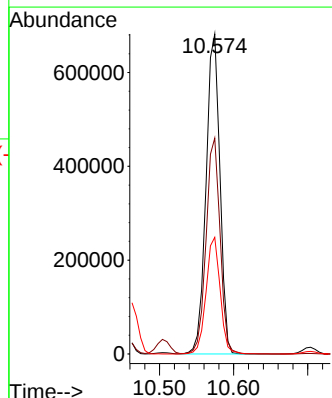
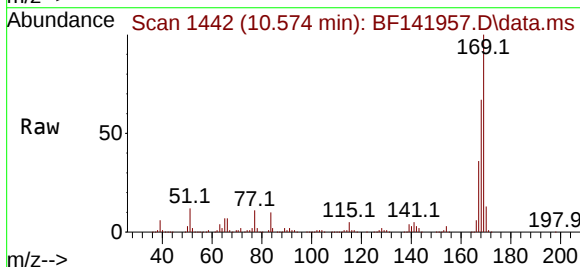
Instrument :
BNA_F
ClientSampleId :
PB167113BS

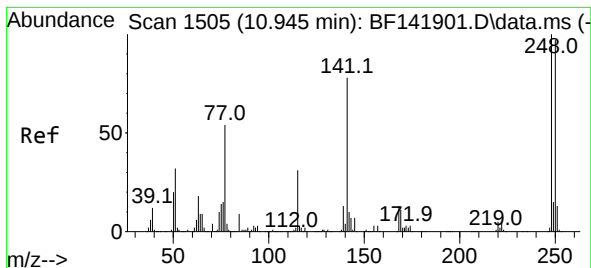
Tgt Ion:198 Resp: 169975
Ion Ratio Lower Upper
198 100
51 42.5 22.3 62.3
105 43.6 23.0 63.0



#66
n-Nitrosodiphenylamine
Concen: 47.006 ng
RT: 10.574 min Scan# 1442
Delta R.T. 0.000 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

Tgt Ion:169 Resp: 885145
Ion Ratio Lower Upper
169 100
168 67.4 53.7 80.5
167 36.5 29.2 43.8

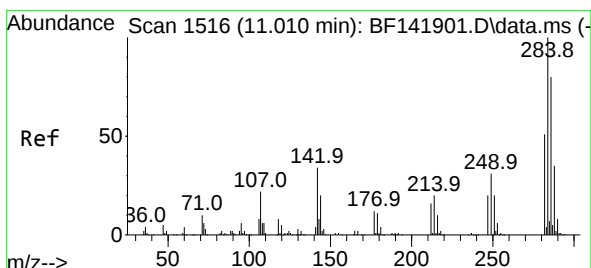
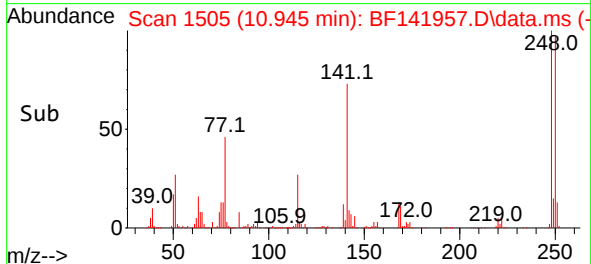
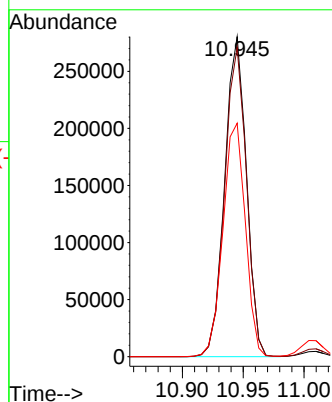
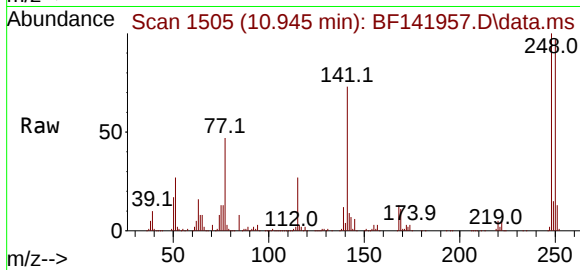




#67
4-Bromophenyl-phenylether
Concen: 47.861 ng
RT: 10.945 min Scan# 1505
Delta R.T. 0.000 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

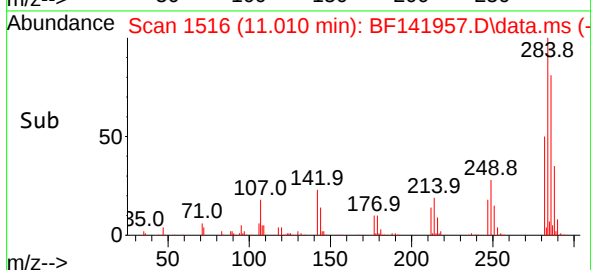
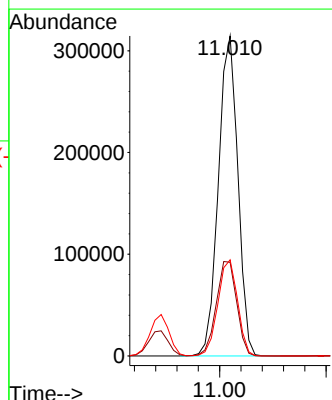
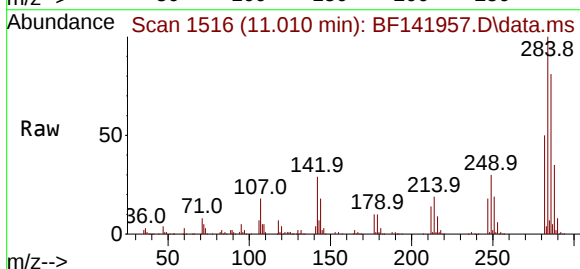
Instrument :
BNA_F
ClientSampleId :
PB167113BS

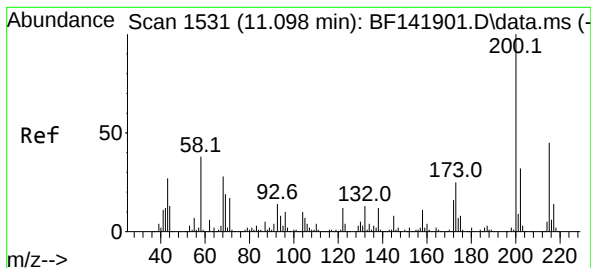
Tgt Ion:248 Resp: 349762
Ion Ratio Lower Upper
248 100
250 96.6 77.8 116.8
141 73.0 62.6 93.8



#68
Hexachlorobenzene
Concen: 49.720 ng
RT: 11.010 min Scan# 1516
Delta R.T. 0.000 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

Tgt Ion:284 Resp: 398512
Ion Ratio Lower Upper
284 100
142 29.3 27.0 40.6
249 30.0 25.2 37.8





#69

Atrazine

Concen: 61.607 ng

RT: 11.098 min Scan# 1531

Delta R.T. -0.000 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

Instrument :

BNA_F

ClientSampleId :

PB167113BS

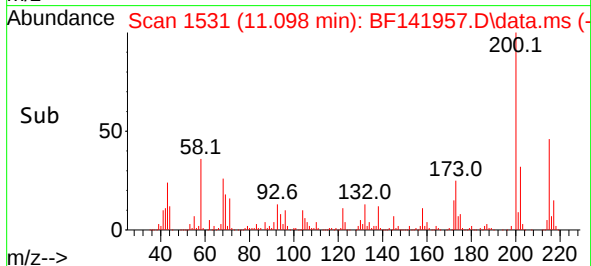
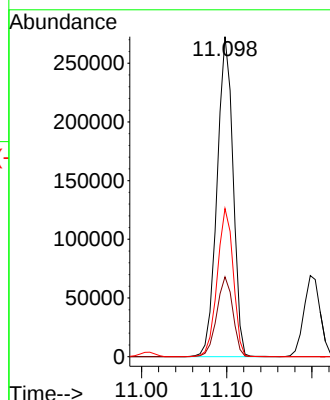
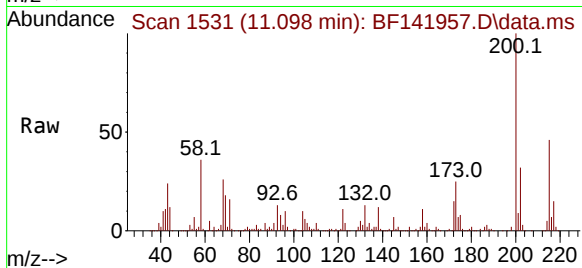
Tgt Ion:200 Resp: 355635

Ion Ratio Lower Upper

200 100

173 24.9 4.7 44.7

215 46.3 25.4 65.4



#70

Pentachlorophenol

Concen: 97.808 ng

RT: 11.204 min Scan# 1549

Delta R.T. 0.000 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

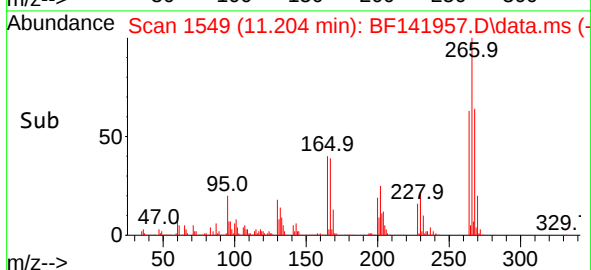
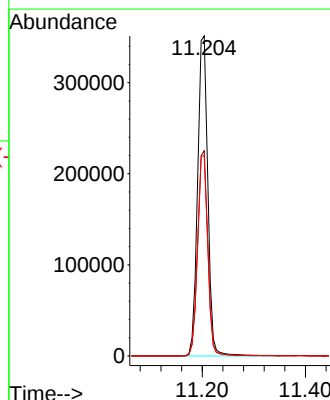
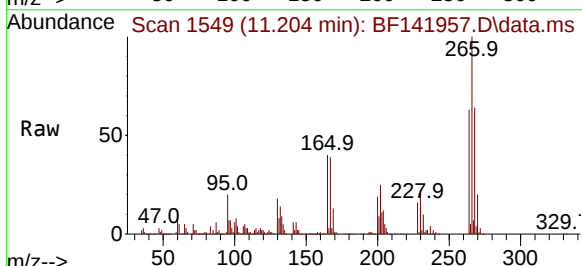
Tgt Ion:266 Resp: 483008

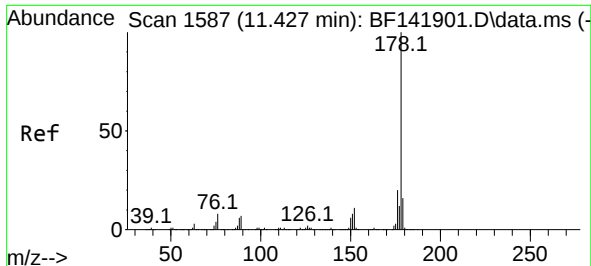
Ion Ratio Lower Upper

266 100

268 64.1 51.0 76.6

264 62.7 50.2 75.2

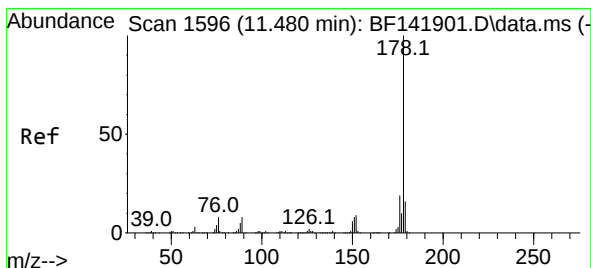
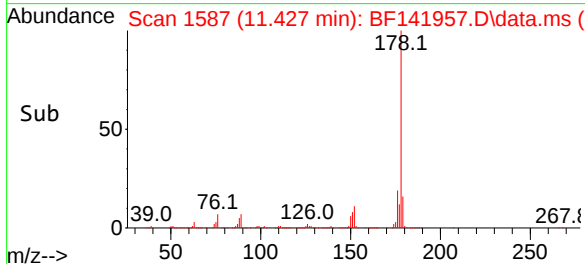
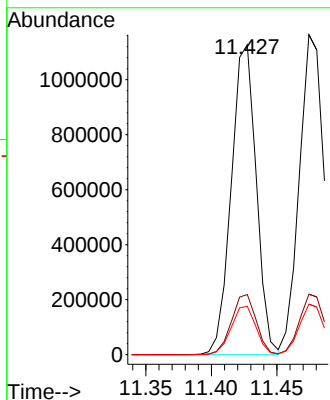
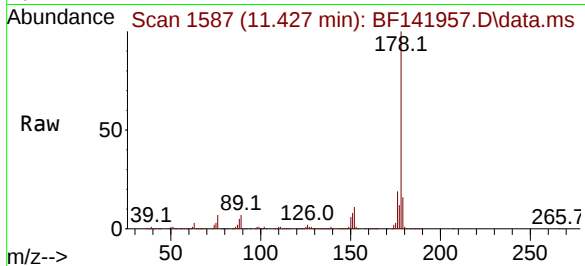




#71
Phenanthrene
Concen: 47.630 ng
RT: 11.427 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

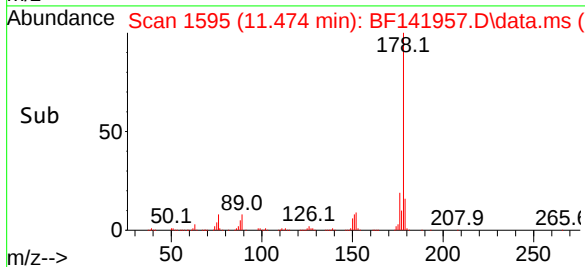
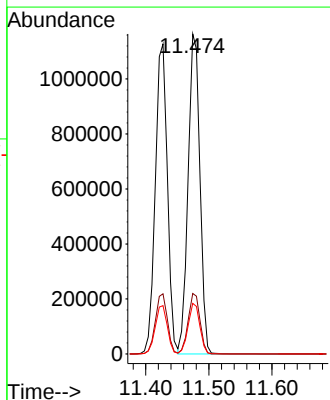
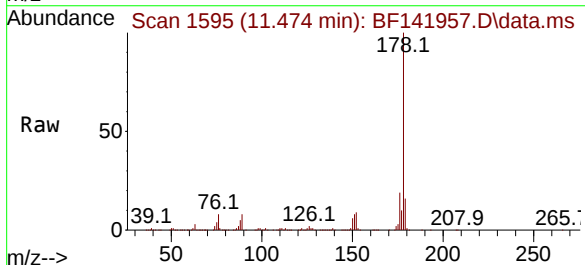
Instrument :
BNA_F
ClientSampleId :
PB167113BS

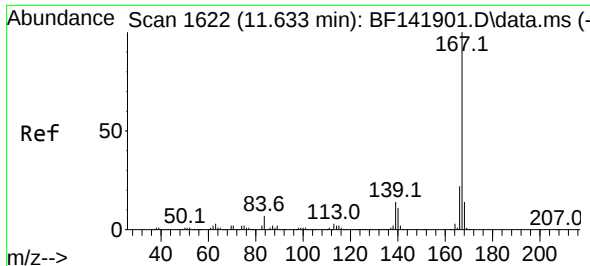
Tgt Ion:178 Resp: 1497004
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 15.6 12.6 19.0



#72
Anthracene
Concen: 48.066 ng
RT: 11.474 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

Tgt Ion:178 Resp: 1515643
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 15.8 12.6 19.0

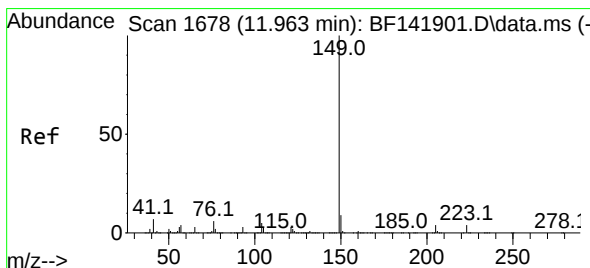
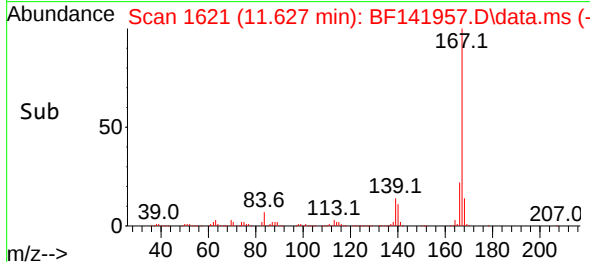
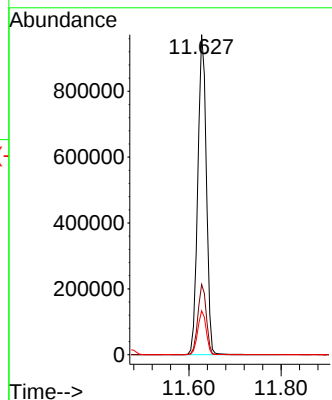
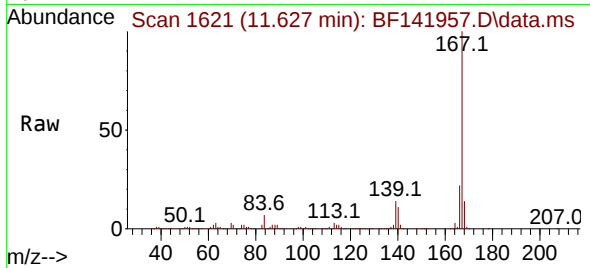




#73
 Carbazole
 Concen: 45.853 ng
 RT: 11.627 min Scan# 1621
 Delta R.T. -0.006 min
 Lab File: BF141957.D
 Acq: 14 Mar 2025 11:09

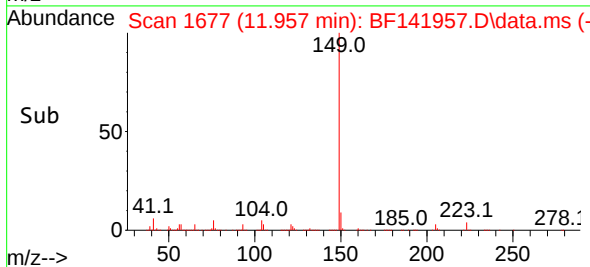
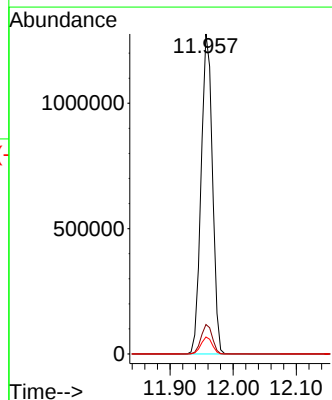
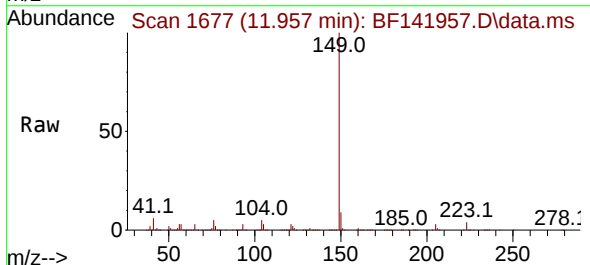
Instrument :
 BNA_F
 ClientSampleId :
 PB167113BS

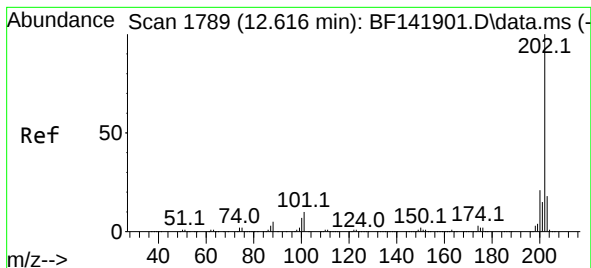
Tgt Ion:167 Resp: 1246916
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.4 26.2
 139 13.7 11.0 16.6



#74
 Di-n-butylphthalate
 Concen: 43.992 ng
 RT: 11.957 min Scan# 1677
 Delta R.T. -0.006 min
 Lab File: BF141957.D
 Acq: 14 Mar 2025 11:09

Tgt Ion:149 Resp: 1587381
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.6 11.4
 104 5.3 4.4 6.6





#75

Fluoranthene

Concen: 43.529 ng

RT: 12.610 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

Instrument :

BNA_F

ClientSampleId :

PB167113BS

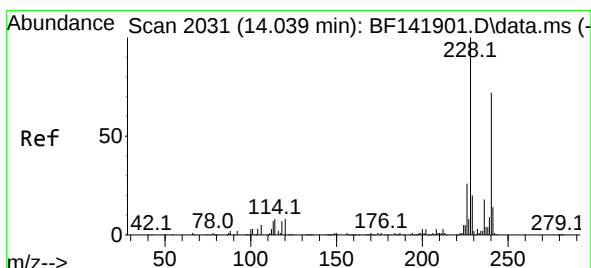
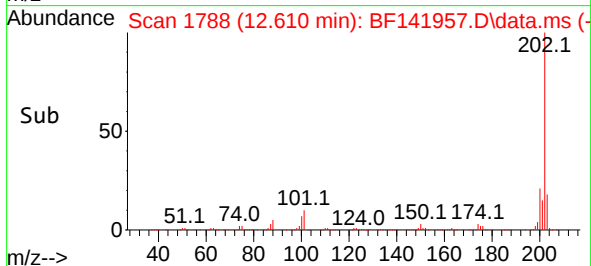
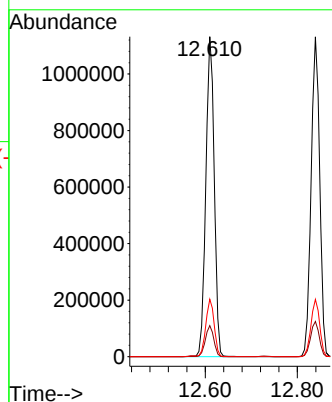
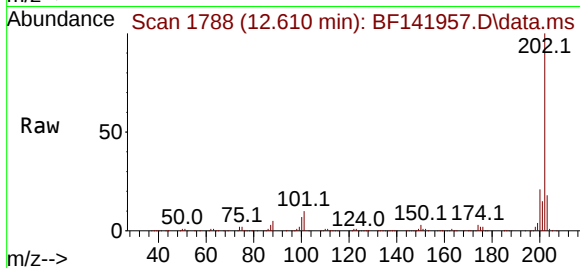
Tgt Ion:202 Resp: 1451241

Ion Ratio Lower Upper

202 100

101 9.7 0.0 29.7

203 17.9 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

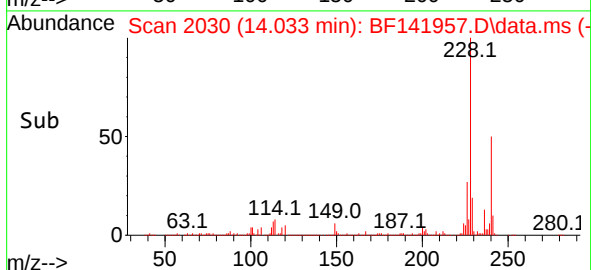
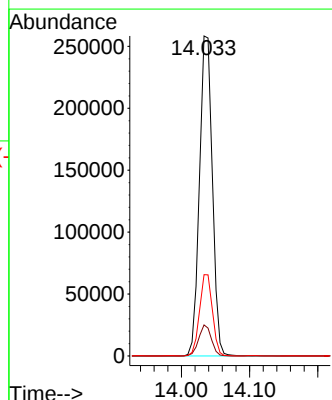
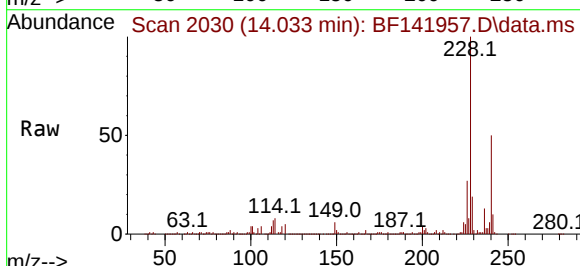
Tgt Ion:240 Resp: 340637

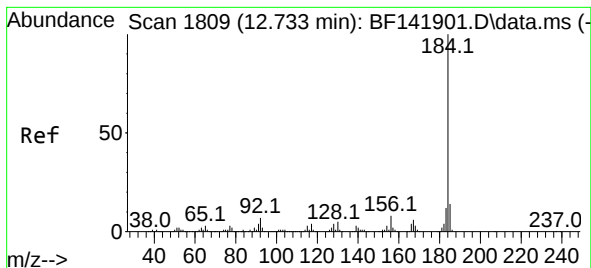
Ion Ratio Lower Upper

240 100

120 9.7 8.4 12.6

236 25.4 20.5 30.7





#77

Benzidine

Concen: 72.243 ng

RT: 12.727 min Scan# 1808

Delta R.T. -0.006 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

Instrument :

BNA_F

ClientSampleId :

PB167113BS

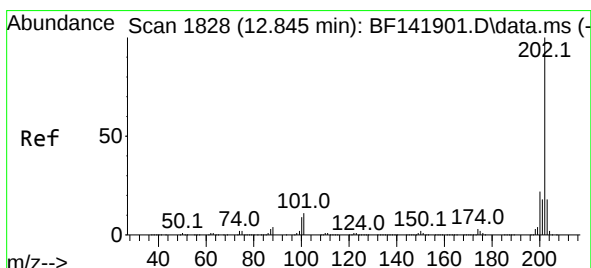
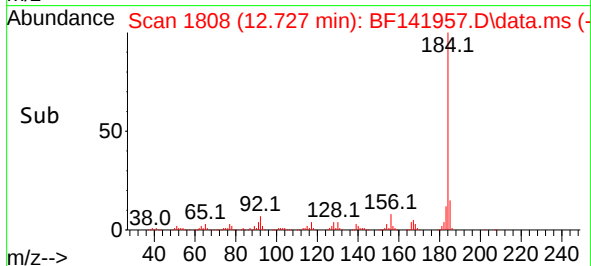
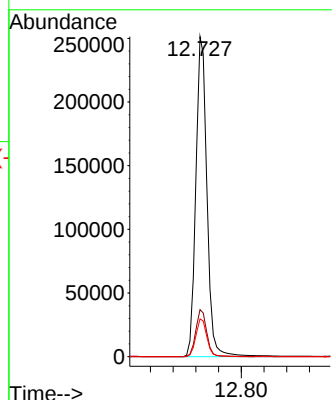
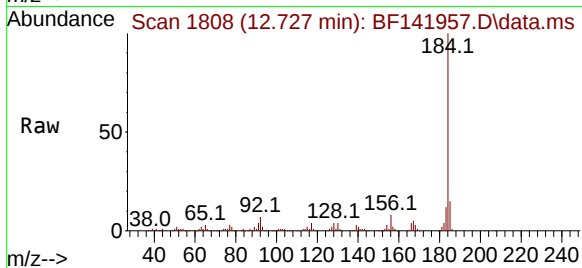
Tgt Ion:184 Resp: 343335

Ion Ratio Lower Upper

184 100

185 14.7 11.5 17.3

183 11.8 9.7 14.5



#78

Pyrene

Concen: 49.502 ng

RT: 12.839 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

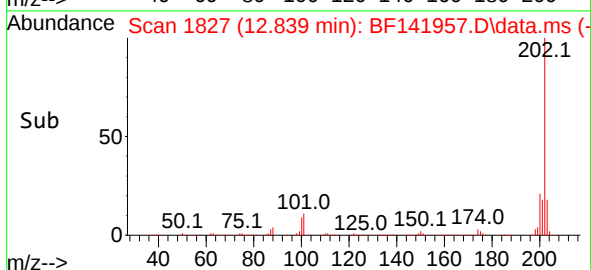
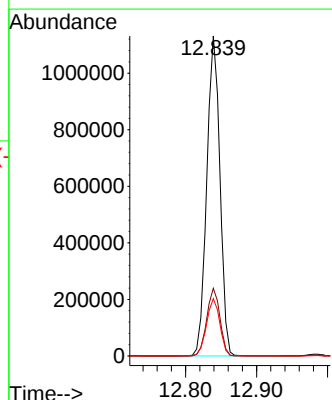
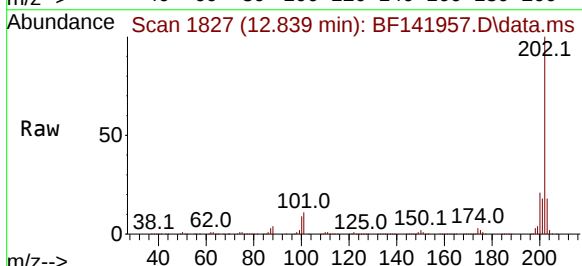
Tgt Ion:202 Resp: 1458597

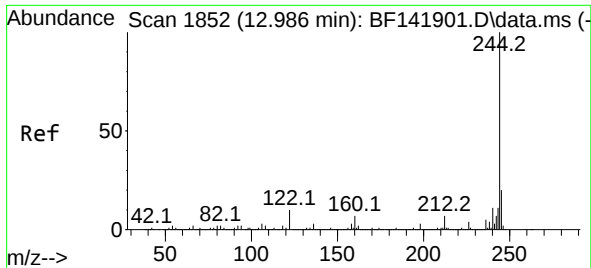
Ion Ratio Lower Upper

202 100

200 21.1 17.3 25.9

203 17.9 14.4 21.6

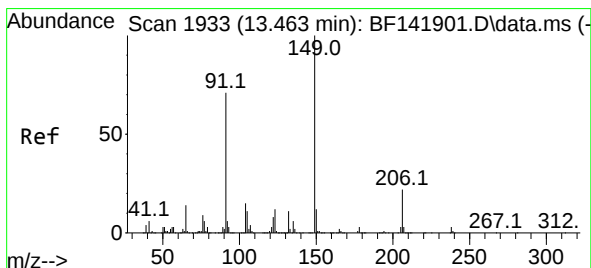
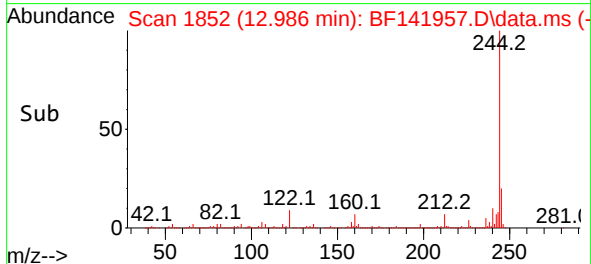
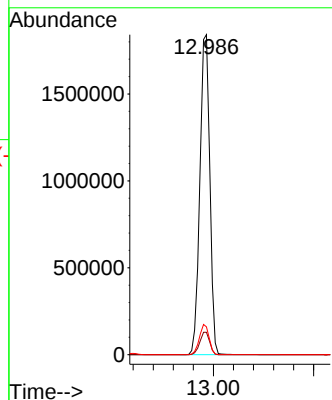
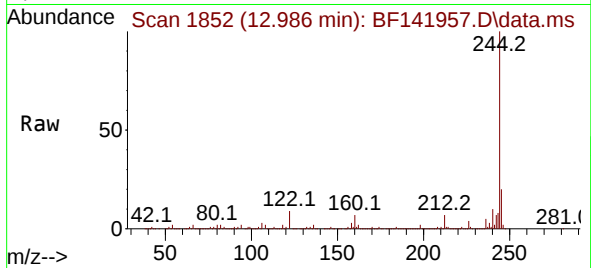




#79
 Terphenyl-d14
 Concen: 109.417 ng
 RT: 12.986 min Scan# 1852
 Delta R.T. 0.000 min
 Lab File: BF141957.D
 Acq: 14 Mar 2025 11:09

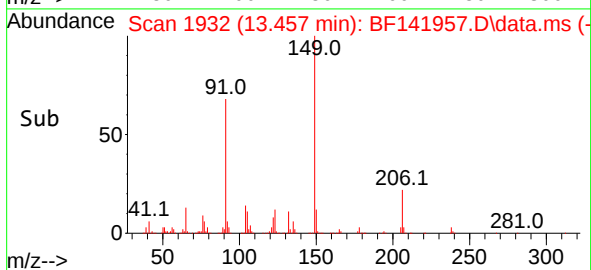
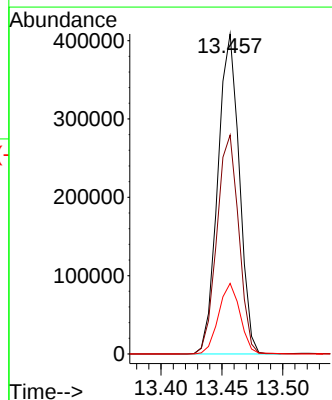
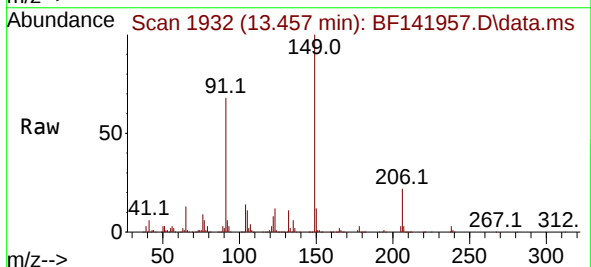
Instrument :
 BNA_F
 ClientSampleId :
 PB167113BS

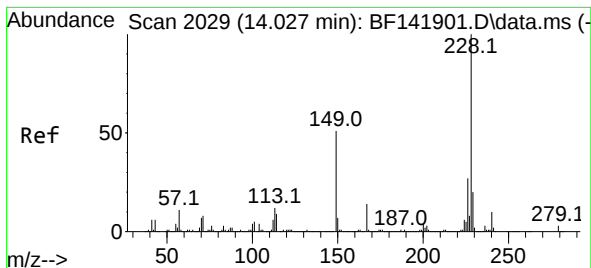
Tgt Ion:244 Resp: 2520980
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 8.7 7.7 11.5



#80
 Butylbenzylphthalate
 Concen: 43.534 ng
 RT: 13.457 min Scan# 1932
 Delta R.T. -0.006 min
 Lab File: BF141957.D
 Acq: 14 Mar 2025 11:09

Tgt Ion:149 Resp: 502076
 Ion Ratio Lower Upper
 149 100
 91 68.4 56.5 84.7
 206 22.1 17.3 25.9





#81

Benzo(a)anthracene

Concen: 48.595 ng

RT: 14.027 min Scan# 2029

Delta R.T. 0.000 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

Instrument :

BNA_F

ClientSampleId :

PB167113BS

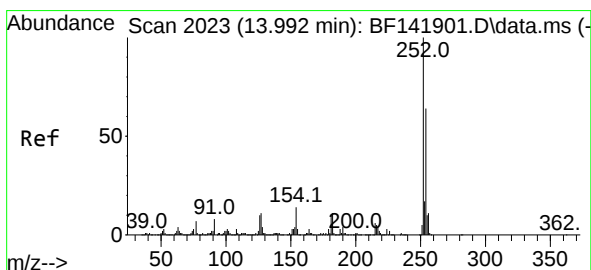
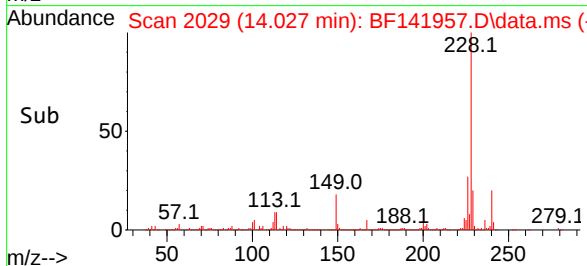
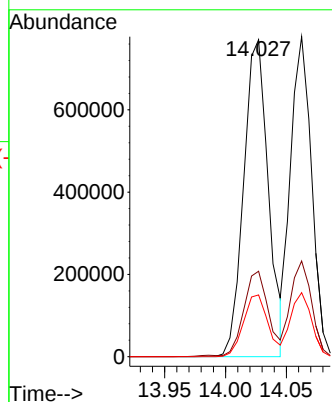
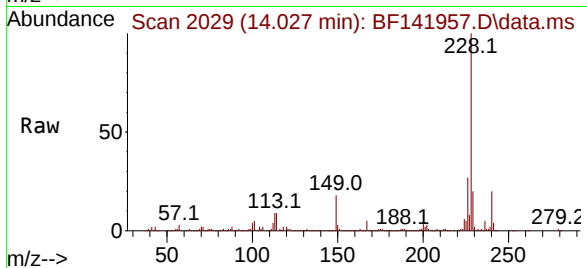
Tgt Ion:228 Resp: 1086233

Ion Ratio Lower Upper

228 100

226 27.0 21.8 32.8

229 19.5 16.0 24.0



#82

3,3'-Dichlorobenzidine

Concen: 32.346 ng

RT: 13.986 min Scan# 2022

Delta R.T. -0.006 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

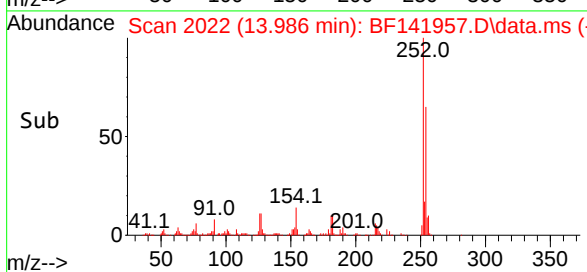
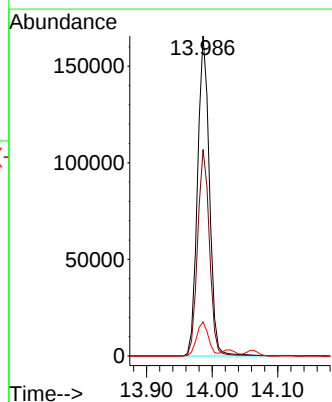
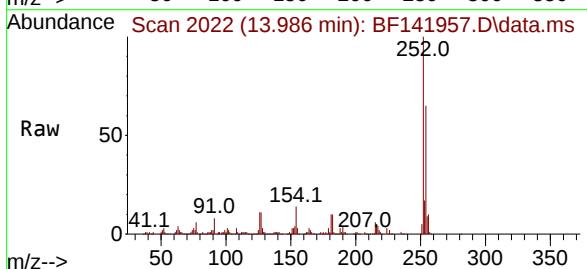
Tgt Ion:252 Resp: 208944

Ion Ratio Lower Upper

252 100

254 64.5 51.0 76.6

126 10.6 8.4 12.6





#83

Chrysene

Concen: 46.271 ng

RT: 14.063 min Scan# 2036

Delta R.T. -0.006 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

Instrument :

BNA_F

ClientSampleId :

PB167113BS

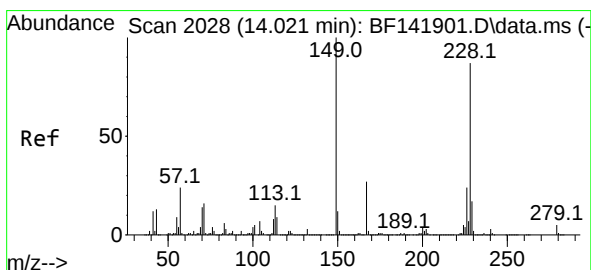
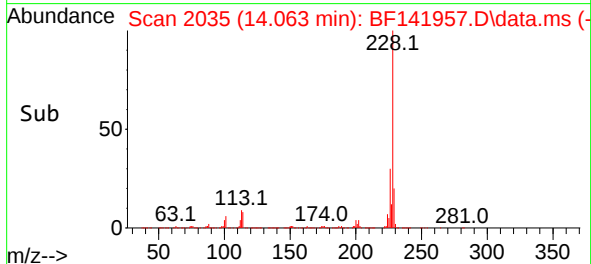
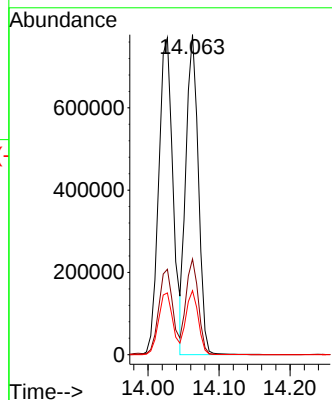
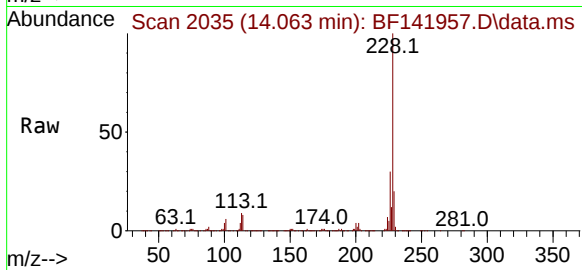
Tgt Ion:228 Resp: 937541

Ion Ratio Lower Upper

228 100

226 29.9 24.1 36.1

229 20.0 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 38.613 ng

RT: 14.015 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

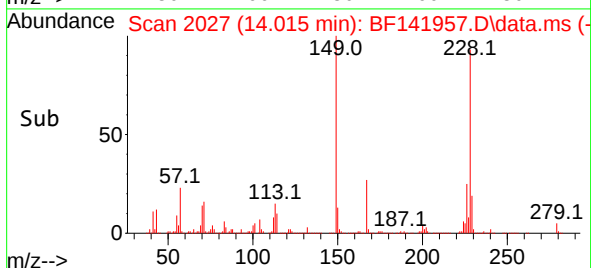
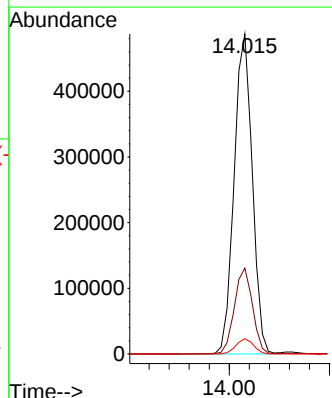
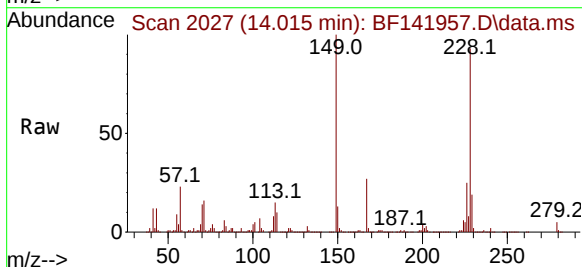
Tgt Ion:149 Resp: 613998

Ion Ratio Lower Upper

149 100

167 26.9 21.4 32.0

279 4.7 3.8 5.6





#85

Di-n-octyl phthalate

Concen: 42.012 ng

RT: 14.627 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

Instrument :

BNA_F

ClientSampleId :

PB167113BS

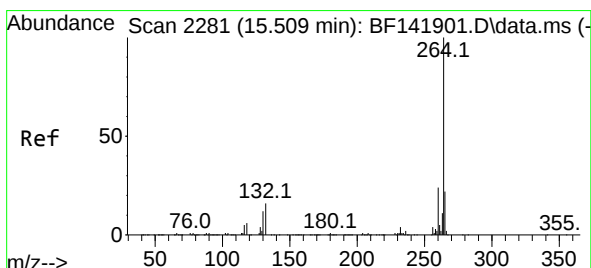
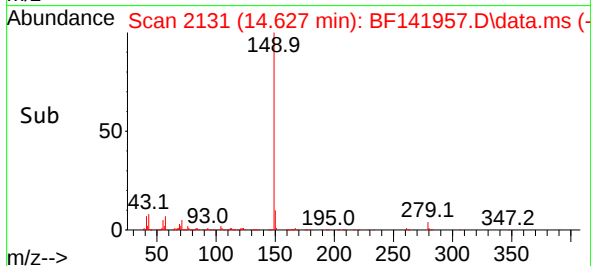
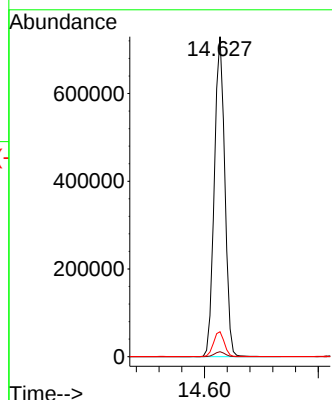
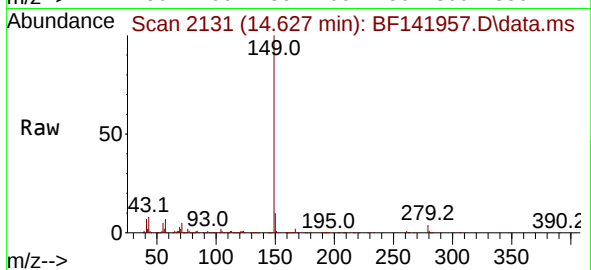
Tgt Ion:149 Resp: 929523

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 8.0 6.9 10.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 2280

Delta R.T. -0.006 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

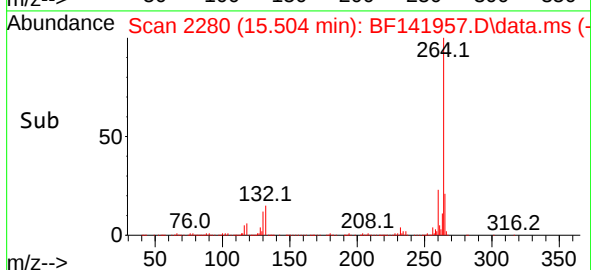
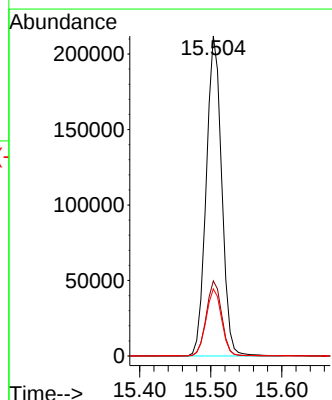
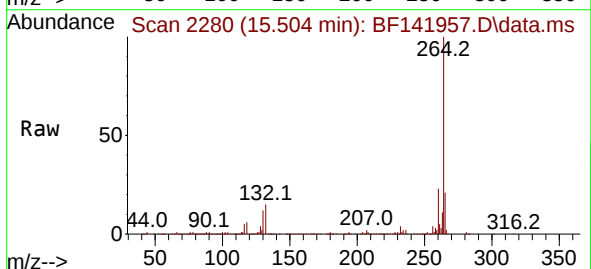
Tgt Ion:264 Resp: 321183

Ion Ratio Lower Upper

264 100

260 23.5 19.1 28.7

265 20.9 17.5 26.3

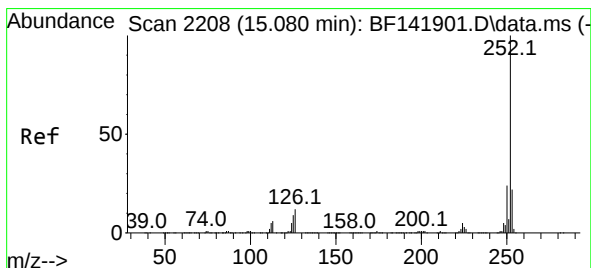
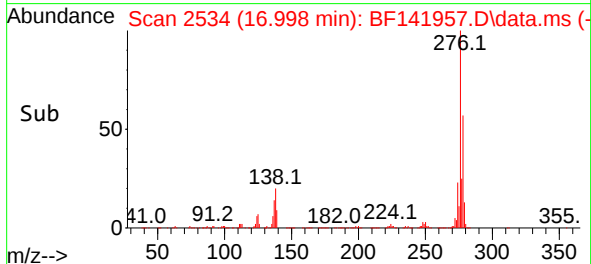
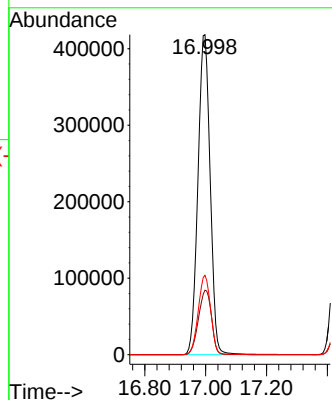
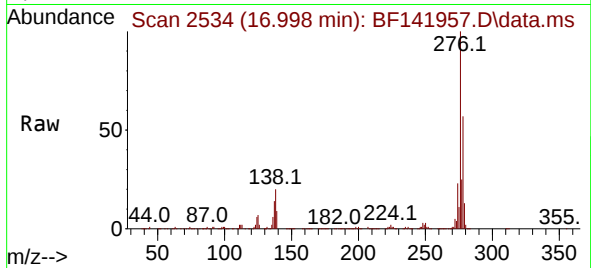




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 56.052 ng
 RT: 16.998 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF141957.D
 Acq: 14 Mar 2025 11:09

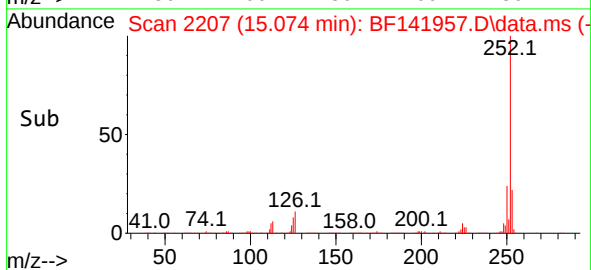
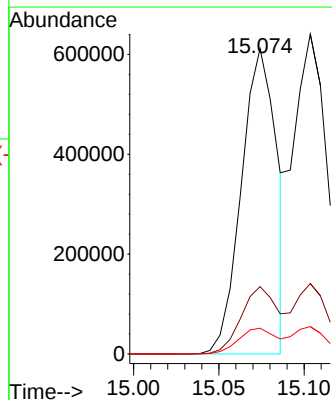
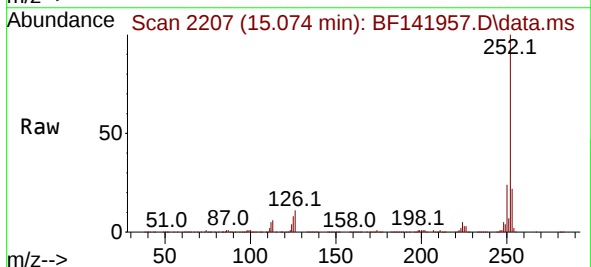
Instrument :
 BNA_F
 ClientSampleId :
 PB167113BS

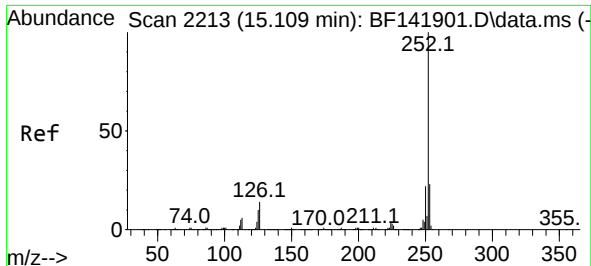
Tgt Ion:276 Resp: 1164583
 Ion Ratio Lower Upper
 276 100
 138 21.4 18.4 27.6
 277 25.3 20.3 30.5



#88
 Benzo(b)fluoranthene
 Concen: 40.052 ng
 RT: 15.074 min Scan# 2207
 Delta R.T. -0.006 min
 Lab File: BF141957.D
 Acq: 14 Mar 2025 11:09

Tgt Ion:252 Resp: 881653
 Ion Ratio Lower Upper
 252 100
 253 22.1 17.5 26.3
 125 8.4 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 47.399 ng

RT: 15.104 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

Instrument :

BNA_F

ClientSampleId :

PB167113BS

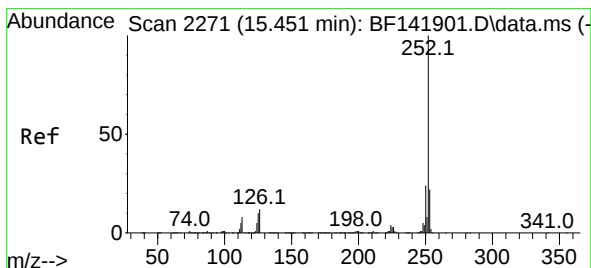
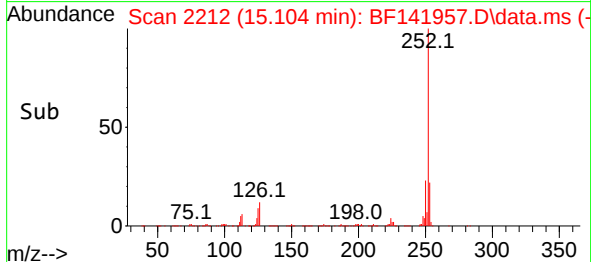
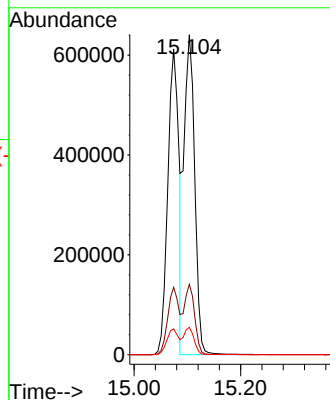
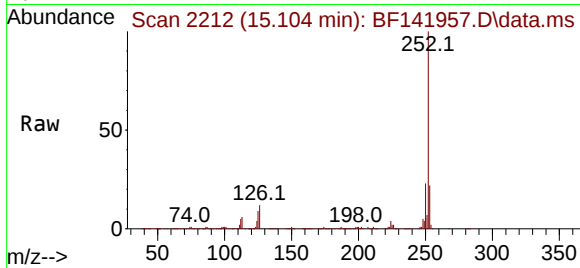
Tgt Ion:252 Resp: 892889

Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

125 8.5 7.2 10.8



#90

Benzo(a)pyrene

Concen: 49.693 ng

RT: 15.445 min Scan# 2270

Delta R.T. -0.006 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

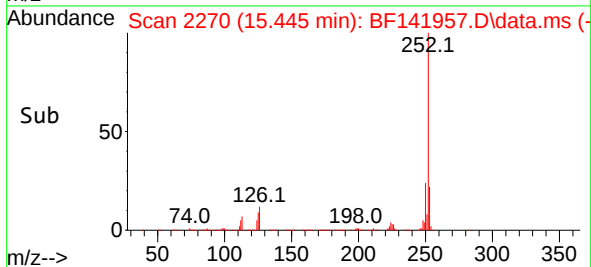
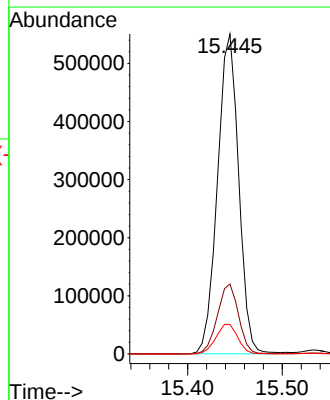
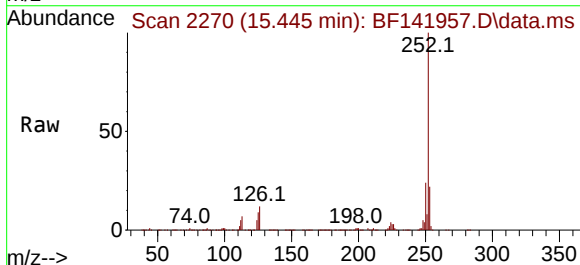
Tgt Ion:252 Resp: 855913

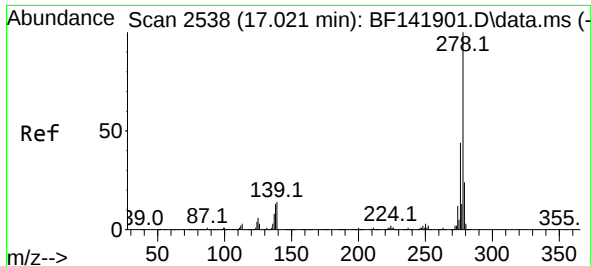
Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.0

125 9.3 7.8 11.8

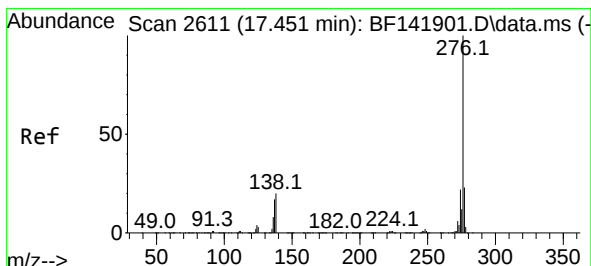
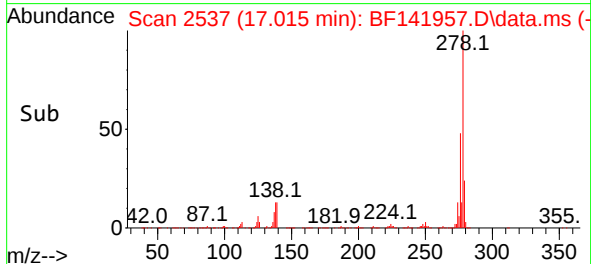
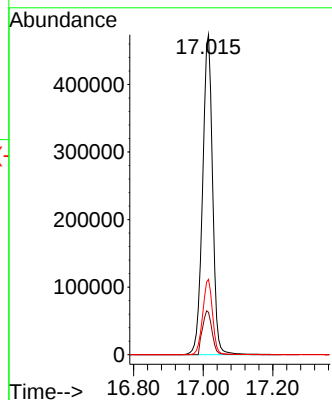
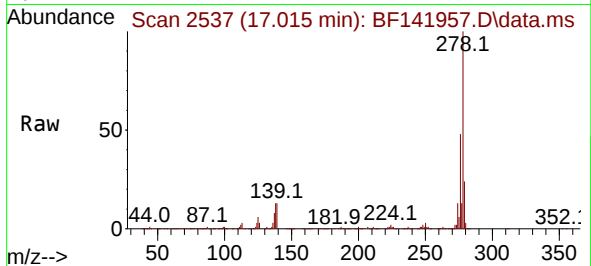




#91
Dibenzo(a,h)anthracene
Concen: 55.240 ng
RT: 17.015 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

Instrument :
BNA_F
ClientSampleId :
PB167113BS

Tgt Ion:278 Resp: 946945
Ion Ratio Lower Upper
278 100
139 13.2 11.4 17.2
279 23.6 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 52.859 ng
RT: 17.445 min Scan# 2610
Delta R.T. -0.006 min
Lab File: BF141957.D
Acq: 14 Mar 2025 11:09

Tgt Ion:276 Resp: 895451
Ion Ratio Lower Upper
276 100
277 23.7 18.7 28.1
138 18.4 15.8 23.8

