

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
 Data File : BF142177.D
 Acq On : 31 Mar 2025 13:22
 Operator : RC/JU
 Sample : PB167369BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB167369BS

Quant Time: Mar 31 13:49:11 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	6.869	152	120659	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	484067	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	285734	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	517636	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	319787	20.000	ng	0.00
86) Perylene-d12	15.509	264	347760	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	1036795	143.410	ng	0.00
7) Phenol-d6	6.498	99	1271824	138.169	ng	0.00
23) Nitrobenzene-d5	7.428	82	834922	97.065	ng	-0.02
42) 2,4,6-Tribromophenol	10.698	330	627855	173.206	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	1857788	98.880	ng	-0.01
79) Terphenyl-d14	12.980	244	2425298	112.127	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.704	88	126082	41.622	ng	96
3) Pyridine	3.463	79	339519	45.693	ng	96
4) n-Nitrosodimethylamine	3.410	42	159631	45.068	ng	93
6) Aniline	6.528	93	246191	27.112	ng	# 89
8) 2-Chlorophenol	6.651	128	421298	52.543	ng	97
9) Benzaldehyde	6.416	77	253399	49.222	ng	99
10) Phenol	6.510	94	476524	49.208	ng	98
11) bis(2-Chloroethyl)ether	6.604	93	356801	49.069	ng	96
12) 1,3-Dichlorobenzene	6.810	146	446871	51.623	ng	98
13) 1,4-Dichlorobenzene	6.886	146	452389	51.651	ng	99
14) 1,2-Dichlorobenzene	7.033	146	432910	52.476	ng	99
15) Benzyl Alcohol	7.004	79	362663	48.734	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.139	45	380763	43.374	ng	95
17) 2-Methylphenol	7.116	107	326040	51.141	ng	99
18) Hexachloroethane	7.380	117	165135	50.279	ng	93
19) n-Nitroso-di-n-propyla...	7.281	70	272051	45.996	ng	99
20) 3+4-Methylphenols	7.269	107	414507	50.761	ng	# 87
22) Acetophenone	7.275	105	553030	47.707	ng	96
24) Nitrobenzene	7.451	77	414348	48.456	ng	97
25) Isophorone	7.686	82	775507	51.004	ng	100
26) 2-Nitrophenol	7.763	139	227763	54.270	ng	98
27) 2,4-Dimethylphenol	7.798	122	389738	67.441	ng	99
28) bis(2-Chloroethoxy)met...	7.898	93	464694	48.727	ng	99
29) 2,4-Dichlorophenol	8.004	162	369700	51.540	ng	99
30) 1,2,4-Trichlorobenzene	8.092	180	409755	51.836	ng	98
31) Naphthalene	8.169	128	1202192	48.347	ng	100
32) Benzoic acid	7.922	122	258166	50.821	ng	97
33) 4-Chloroaniline	8.222	127	85644	9.757	ng	98
34) Hexachlorobutadiene	8.286	225	272000	52.763	ng	100
35) Caprolactam	8.592	113	70847	32.396	ng	87
36) 4-Chloro-3-methylphenol	8.704	107	409653	51.197	ng	97
37) 2-Methylnaphthalene	8.863	142	754830	45.416	ng	100
38) 1-Methylnaphthalene	8.963	142	790773	49.304	ng	99
40) 1,2,4,5-Tetrachloroben...	9.027	216	444807	51.130	ng	98
41) Hexachlorocyclopentadiene	9.016	237	622980	182.981	ng	99
43) 2,4,6-Trichlorophenol	9.139	196	298031	52.420	ng	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.180	196	307687	53.434	ng	99
46) 1,1'-Biphenyl	9.327	154	1076545	49.586	ng	99
47) 2-Chloronaphthalene	9.351	162	825118	50.990	ng	98
48) 2-Nitroaniline	9.451	65	227855	48.632	ng	95
49) Acenaphthylene	9.769	152	1301383	54.194	ng	100
50) Dimethylphthalate	9.627	163	1024272	51.190	ng	100
51) 2,6-Dinitrotoluene	9.692	165	223399	53.623	ng	92
52) Acenaphthene	9.939	154	829966	49.182	ng	100
53) 3-Nitroaniline	9.857	138	60833	14.395	ng	97
54) 2,4-Dinitrophenol	9.969	184	263709	108.826	ng	# 45
55) Dibenzofuran	10.116	168	1182589	49.044	ng	98
56) 4-Nitrophenol	10.027	139	336591	105.616	ng	95
57) 2,4-Dinitrotoluene	10.098	165	314970	57.884	ng	98
58) Fluorene	10.457	166	960135	51.633	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	282918	53.994	ng	96
60) Diethylphthalate	10.327	149	1023786	51.313	ng	100
61) 4-Chlorophenyl-phenyle...	10.445	204	511854	52.797	ng	98
62) 4-Nitroaniline	10.474	138	206720	50.245	ng	98
63) Azobenzene	10.610	77	878646	47.368	ng	96
65) 4,6-Dinitro-2-methylph...	10.504	198	183397	59.432	ng	97
66) n-Nitrosodiphenylamine	10.569	169	841785	50.253	ng	100
67) 4-Bromophenyl-phenylether	10.939	248	340379	52.359	ng	96
68) Hexachlorobenzene	11.004	284	390998	54.838	ng	95
69) Atrazine	11.092	200	323666	63.029	ng	99
70) Pentachlorophenol	11.198	266	455852	103.768	ng	100
71) Phenanthrene	11.421	178	1445434	51.698	ng	99
72) Anthracene	11.474	178	1476065	52.622	ng	100
73) Carbazole	11.627	167	1224318	50.610	ng	100
74) Di-n-butylphthalate	11.951	149	1611821	50.215	ng	100
75) Fluoranthene	12.610	202	1509227	50.887	ng	99
77) Benzidine	12.727	184	383514	85.958	ng	100
78) Pyrene	12.839	202	1509100	54.555	ng	100
80) Butylbenzylphthalate	13.451	149	547547	50.573	ng	99
81) Benzo(a)anthracene	14.027	228	1118309	53.292	ng	100
82) 3,3'-Dichlorobenzidine	13.986	252	58588	9.661	ng	99
83) Chrysene	14.062	228	1007817	52.982	ng	100
84) Bis(2-ethylhexyl)phtha...	14.009	149	720391	48.258	ng	98
85) Di-n-octyl phthalate	14.627	149	1085911	52.280	ng	97
87) Indeno(1,2,3-cd)pyrene	17.009	276	1167687	51.906	ng	97
88) Benzo(b)fluoranthene	15.080	252	1139652	47.816	ng	99
89) Benzo(k)fluoranthene	15.109	252	895900	43.924	ng	100
90) Benzo(a)pyrene	15.451	252	1058724	56.770	ng	100
91) Dibenzo(a,h)anthracene	17.027	278	952603	51.323	ng	99
92) Benzo(g,h,i)perylene	17.462	276	918852	50.095	ng	98

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

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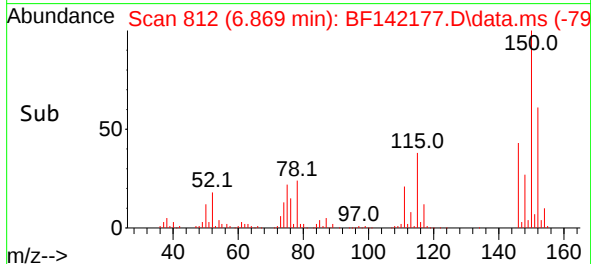
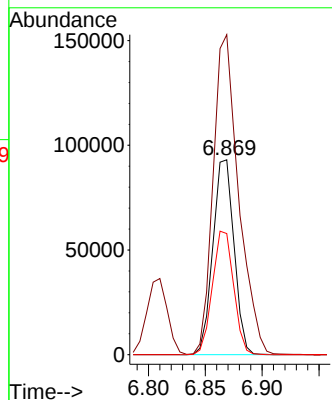
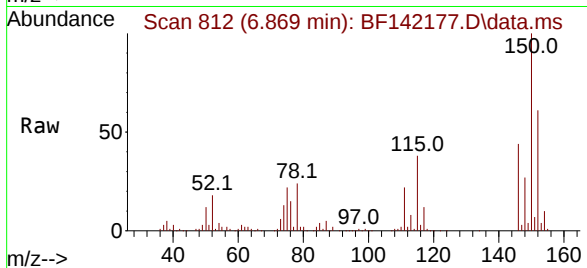




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.869 min Scan# 814
 Delta R.T. -0.012 min
 Lab File: BF142177.D
 Acq: 31 Mar 2025 13:22

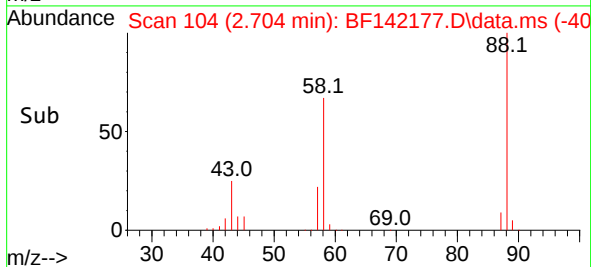
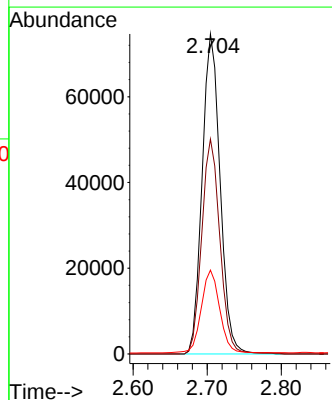
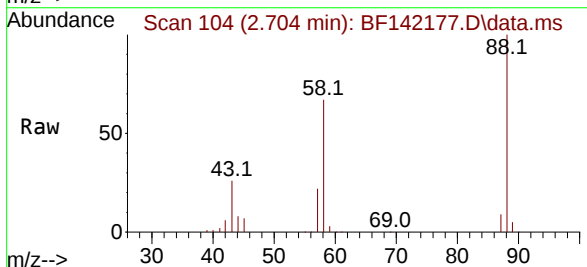
Instrument :
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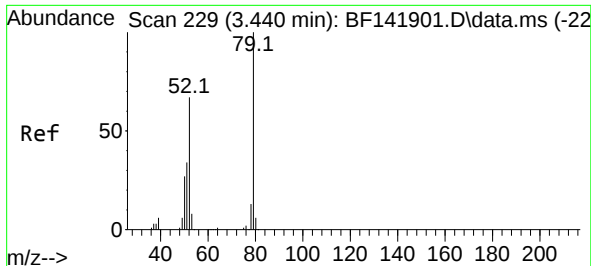
Tgt Ion:152 Resp: 120659
 Ion Ratio Lower Upper
 152 100
 150 164.2 127.4 191.2
 115 62.1 51.9 77.9



#2
 1,4-Dioxane
 Concen: 41.622 ng
 RT: 2.704 min Scan# 104
 Delta R.T. 0.029 min
 Lab File: BF142177.D
 Acq: 31 Mar 2025 13:22

Tgt Ion: 88 Resp: 126082
 Ion Ratio Lower Upper
 88 100
 58 67.7 57.4 86.2
 43 26.7 21.5 32.3





#3

Pyridine

Concen: 45.693 ng

RT: 3.463 min Scan# 21

Delta R.T. 0.023 min

Lab File: BF142177.D

Acq: 31 Mar 2025 13:22

Instrument :

BNA_F

ClientSampleId :

PB167369BS

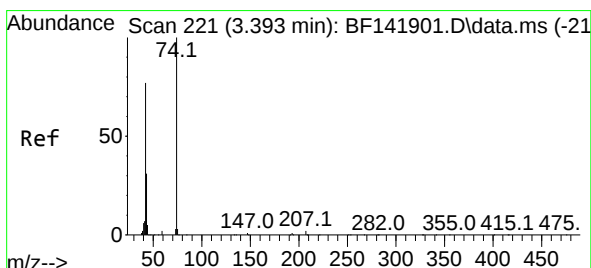
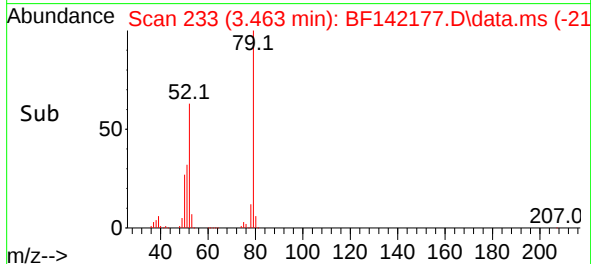
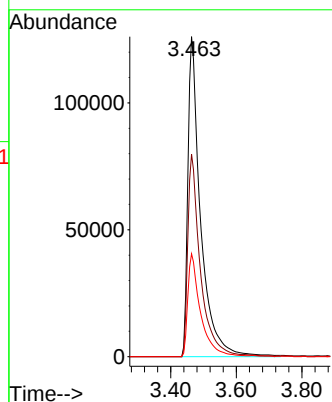
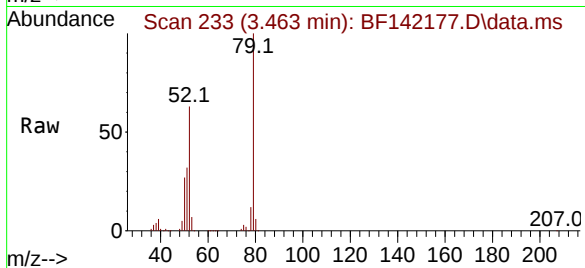
Tgt Ion: 79 Resp: 339519

Ion Ratio Lower Upper

79 100

52 63.3 53.3 79.9

51 32.1 27.6 41.4



#4

n-Nitrosodimethylamine

Concen: 45.068 ng

RT: 3.410 min Scan# 224

Delta R.T. 0.018 min

Lab File: BF142177.D

Acq: 31 Mar 2025 13:22

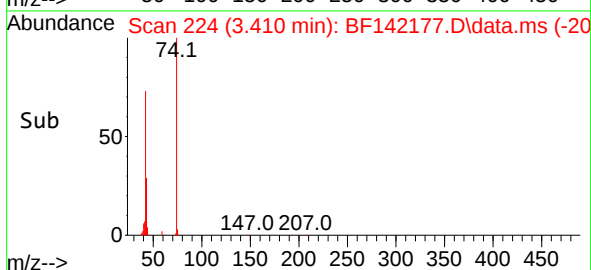
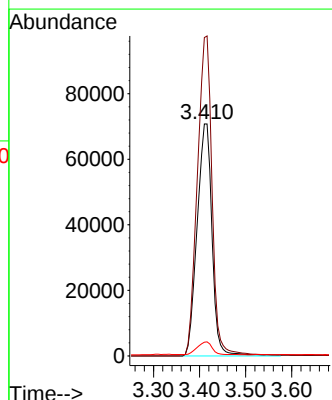
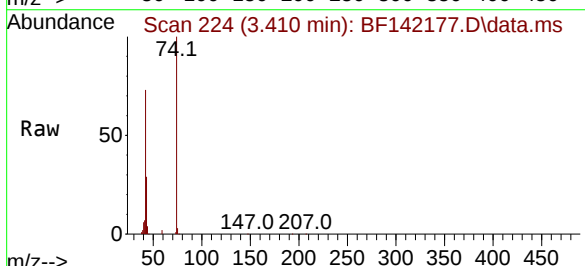
Tgt Ion: 42 Resp: 159631

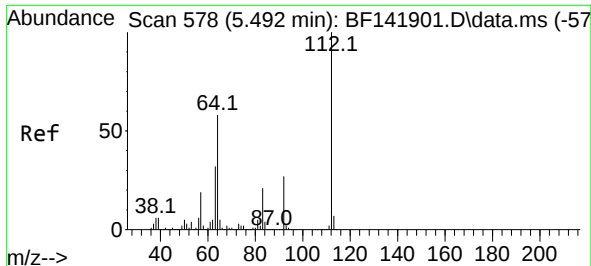
Ion Ratio Lower Upper

42 100

74 137.2 103.4 155.0

44 5.9 5.0 7.4

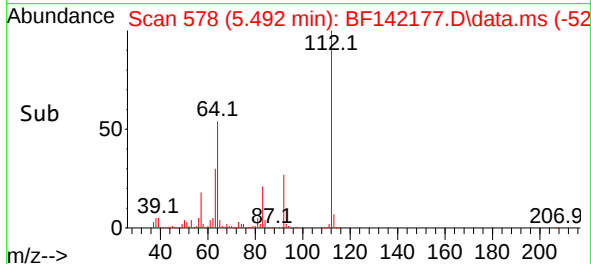
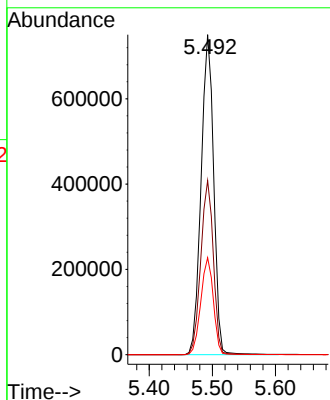
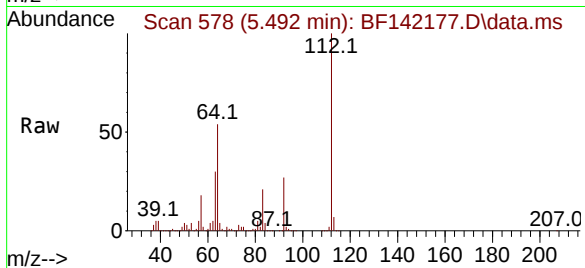




#5
2-Fluorophenol
Concen: 143.410 ng
RT: 5.492 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

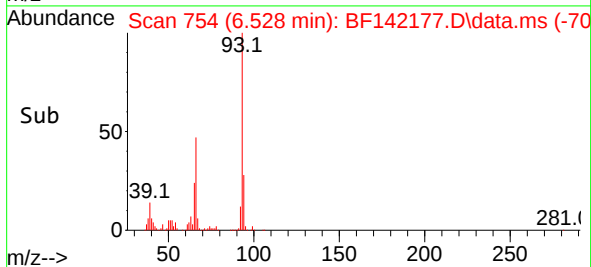
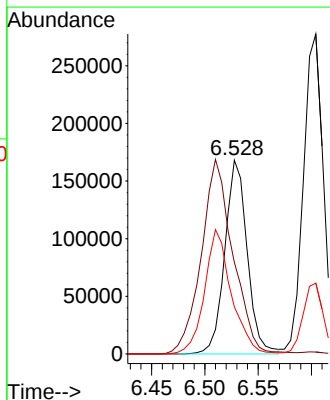
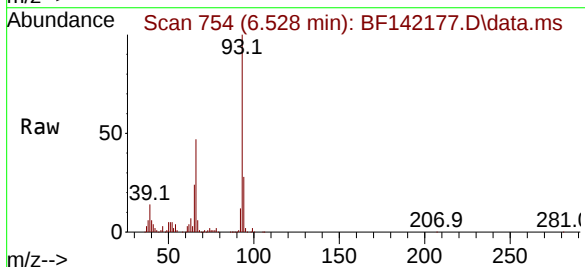
Instrument :
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Tgt Ion:112 Resp: 1036795
Ion Ratio Lower Upper
112 100
64 54.4 46.5 69.7
63 30.3 25.4 38.2



#6
Aniline
Concen: 27.112 ng
RT: 6.528 min Scan# 754
Delta R.T. -0.018 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion: 93 Resp: 246191
Ion Ratio Lower Upper
93 100
66 47.2 31.9 47.9
65 24.2 15.8 23.6#

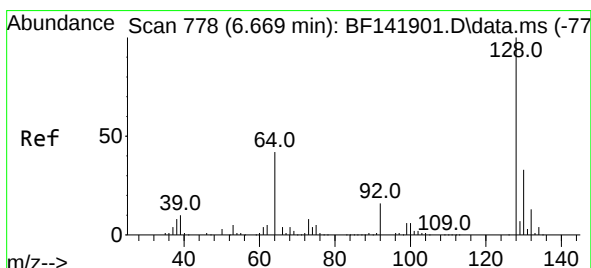
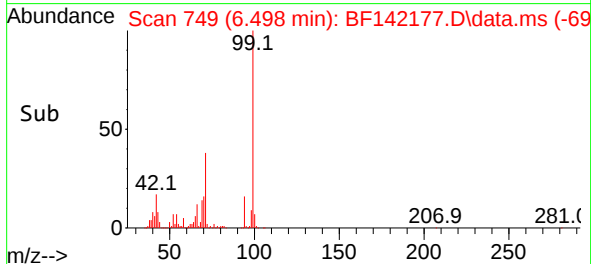
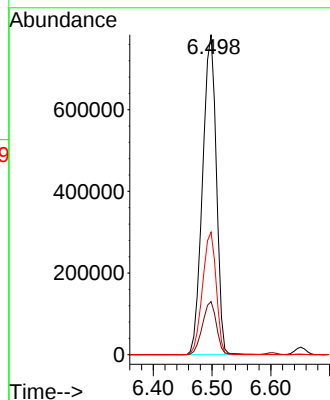
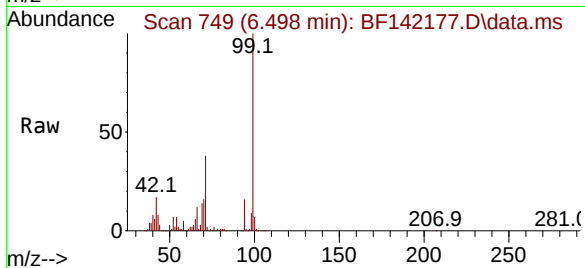




#7
Phenol-d6
Concen: 138.169 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

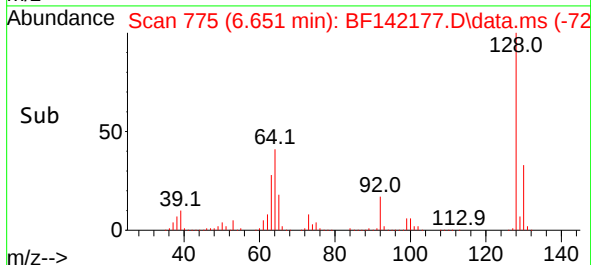
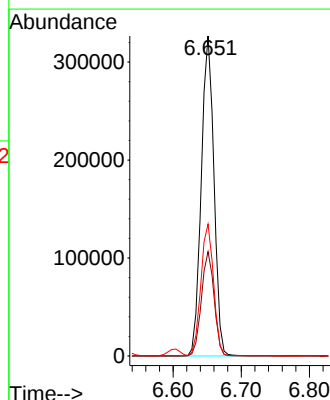
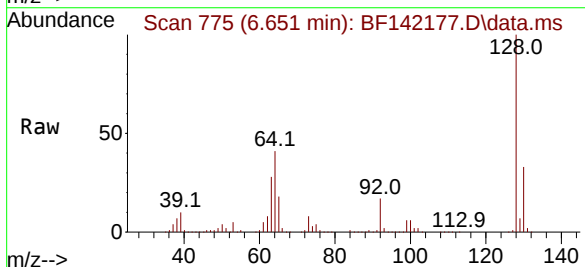
Instrument :
BNA_F
ClientSampleId :
PB167369BS

Tgt Ion: 99 Resp: 1271824
Ion Ratio Lower Upper
99 100
42 16.6 14.6 21.8
71 38.3 30.8 46.2



#8
2-Chlorophenol
Concen: 52.543 ng
RT: 6.651 min Scan# 775
Delta R.T. -0.018 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:128 Resp: 421298
Ion Ratio Lower Upper
128 100
130 32.6 12.8 52.8
64 41.2 24.4 64.4

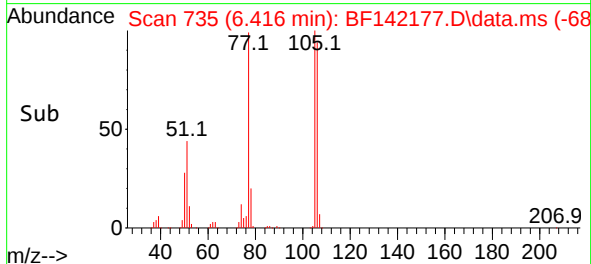
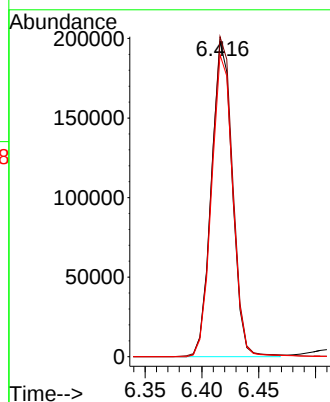
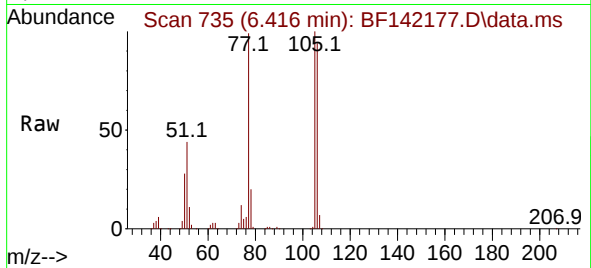




#9
Benzaldehyde
Concen: 49.222 ng
RT: 6.416 min Scan# 711
Delta R.T. -0.018 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

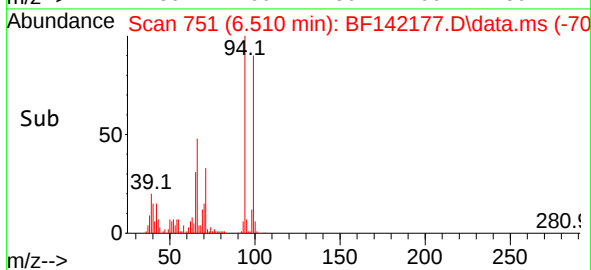
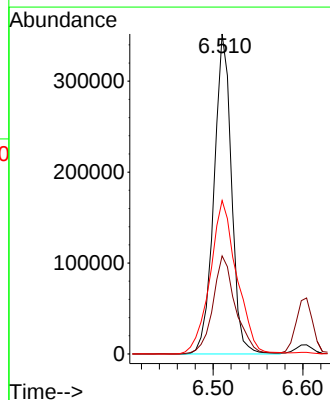
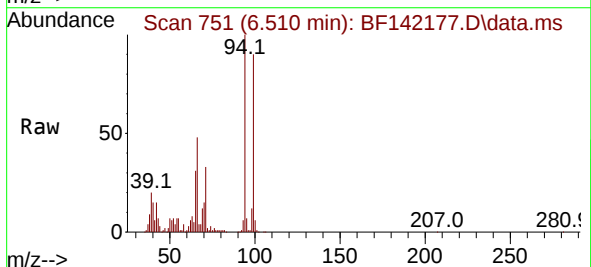
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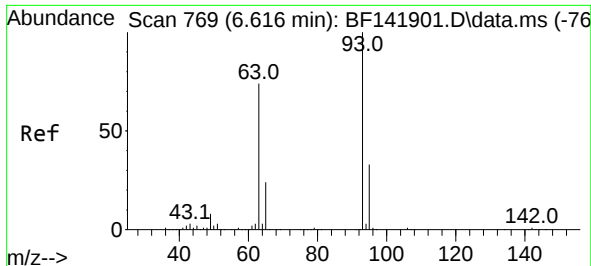
Tgt Ion: 77 Resp: 253399
Ion Ratio Lower Upper
77 100
105 101.5 80.0 120.0
106 95.7 74.5 114.5



#10
Phenol
Concen: 49.208 ng
RT: 6.510 min Scan# 751
Delta R.T. -0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion: 94 Resp: 476524
Ion Ratio Lower Upper
94 100
65 30.6 10.5 50.5
66 47.9 25.8 65.8





#11

bis(2-Chloroethyl)ether

Concen: 49.069 ng

RT: 6.604 min Scan# 7

Delta R.T. -0.012 min

Lab File: BF142177.D

Acq: 31 Mar 2025 13:22

Instrument :

BNA_F

ClientSampleId :

PB167369BS

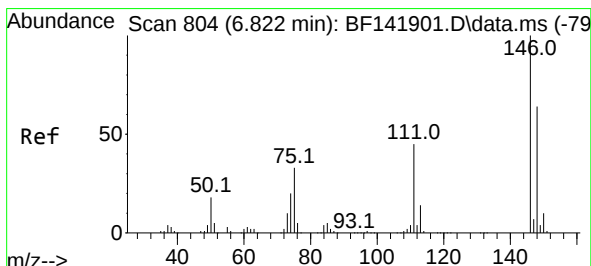
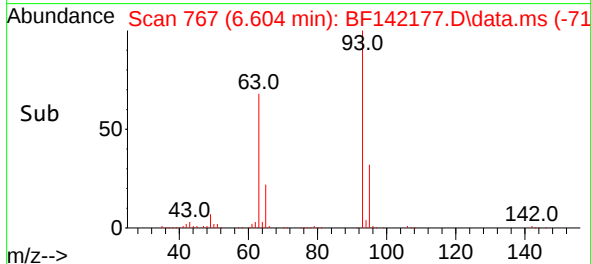
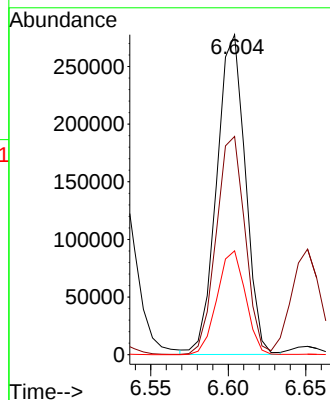
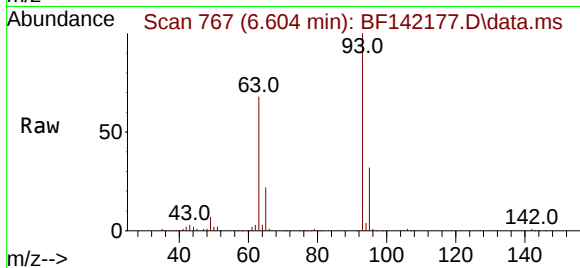
Tgt Ion: 93 Resp: 356801

Ion Ratio Lower Upper

93 100

63 68.2 53.0 93.0

95 32.5 12.9 52.9



#12

1,3-Dichlorobenzene

Concen: 51.623 ng

RT: 6.810 min Scan# 802

Delta R.T. -0.012 min

Lab File: BF142177.D

Acq: 31 Mar 2025 13:22

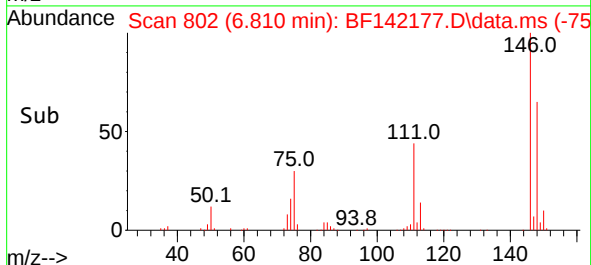
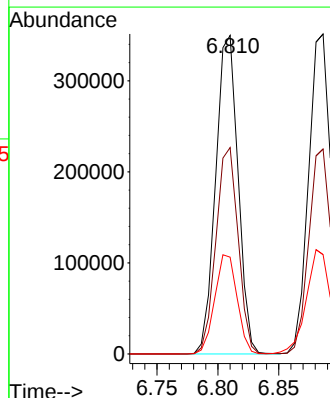
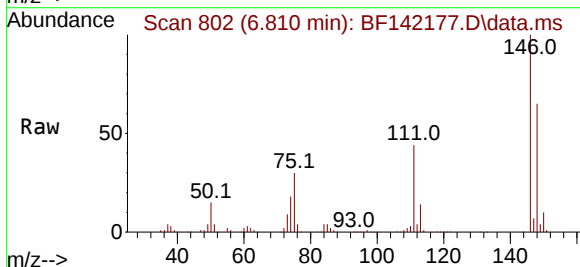
Tgt Ion: 146 Resp: 446871

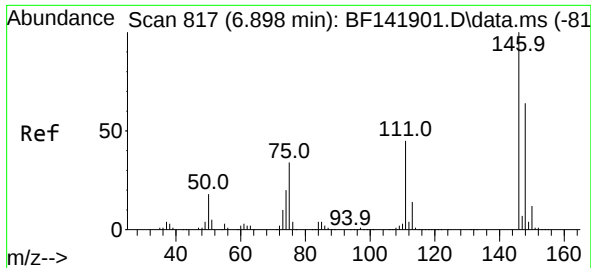
Ion Ratio Lower Upper

146 100

148 64.8 51.3 76.9

75 30.4 26.6 40.0

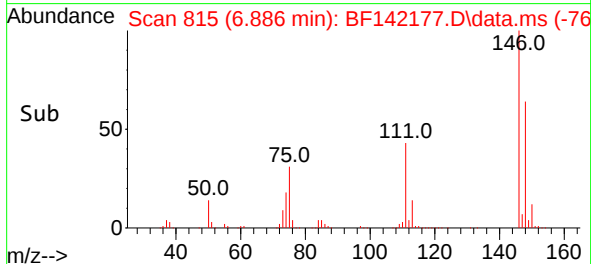
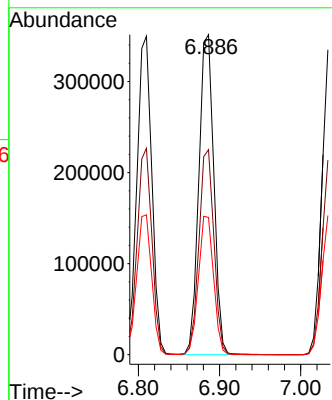
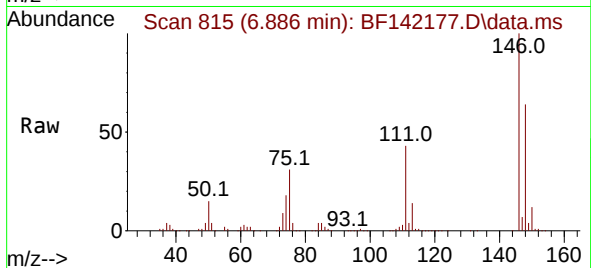




#13
1,4-Dichlorobenzene
Concen: 51.651 ng
RT: 6.886 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

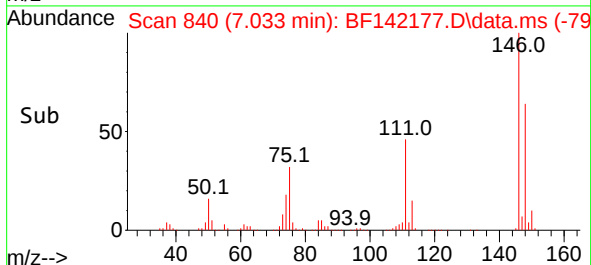
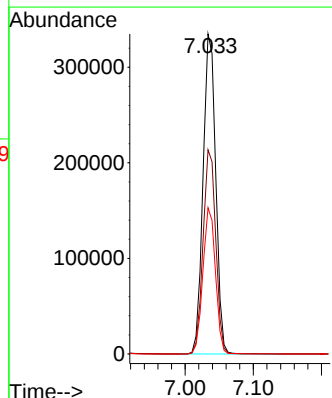
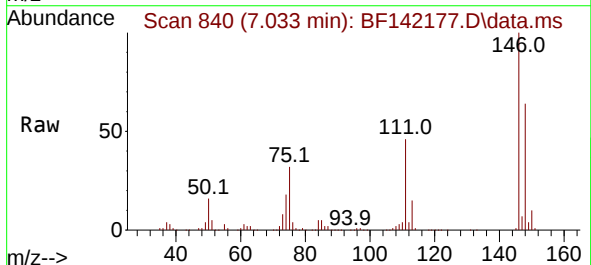
Instrument :
BNA_F
ClientSampleId :
PB167369BS

Tgt Ion:146 Resp: 452389
Ion Ratio Lower Upper
146 100
148 64.1 51.0 76.6
111 42.9 35.7 53.5



#14
1,2-Dichlorobenzene
Concen: 52.476 ng
RT: 7.033 min Scan# 840
Delta R.T. -0.018 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:146 Resp: 432910
Ion Ratio Lower Upper
146 100
148 63.8 50.8 76.2
111 45.7 38.0 57.0





#15

Benzyl Alcohol

Concen: 48.734 ng

RT: 7.004 min Scan# 81

Delta R.T. -0.018 min

Lab File: BF142177.D

Acq: 31 Mar 2025 13:22

Instrument :

BNA_F

ClientSampleId :

PB167369BS

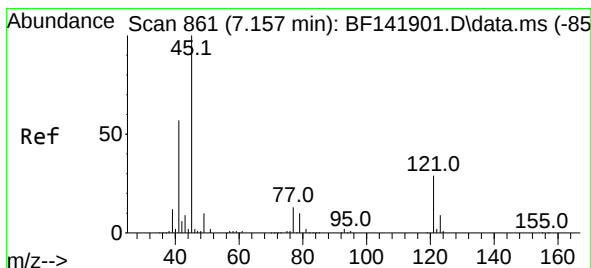
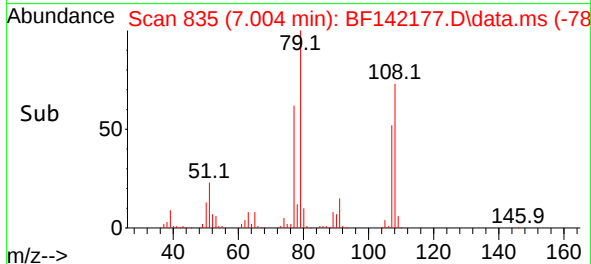
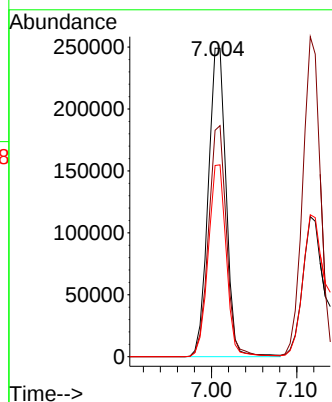
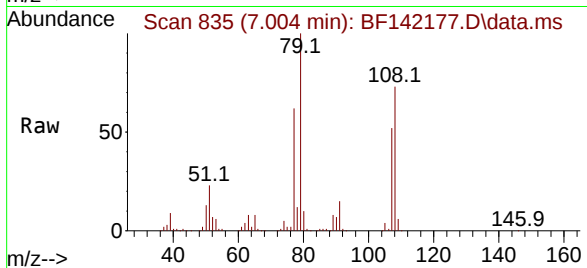
Tgt Ion: 79 Resp: 362663

Ion Ratio Lower Upper

79 100

108 73.4 59.7 89.5

77 62.0 51.0 76.6



#16

2,2'-oxybis(1-Chloropropane)

Concen: 43.374 ng

RT: 7.139 min Scan# 858

Delta R.T. -0.018 min

Lab File: BF142177.D

Acq: 31 Mar 2025 13:22

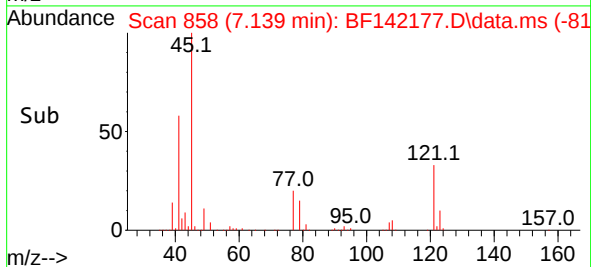
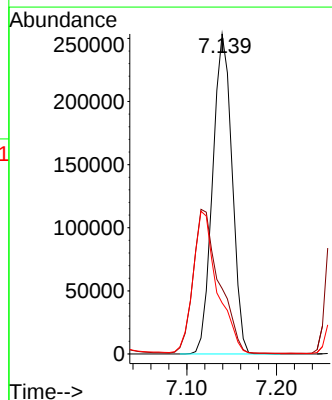
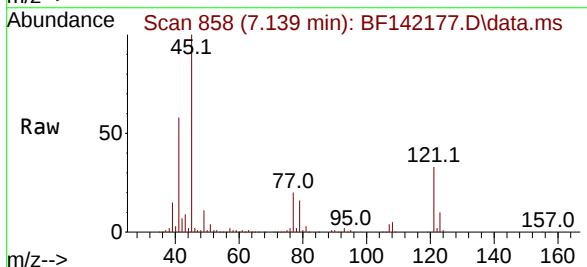
Tgt Ion: 45 Resp: 380763

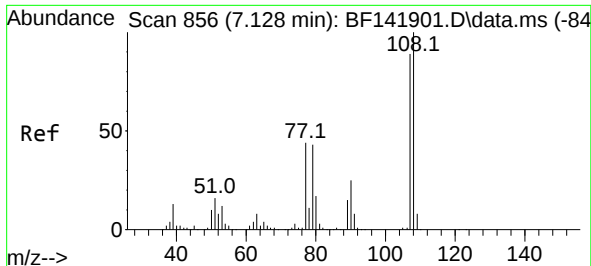
Ion Ratio Lower Upper

45 100

77 20.5 0.0 37.8

79 15.9 0.0 34.2





#17

2-Methylphenol

Concen: 51.141 ng

RT: 7.116 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF142177.D

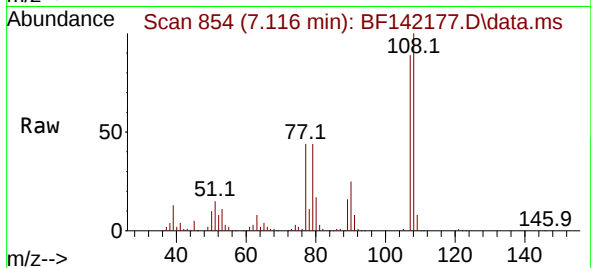
Acq: 31 Mar 2025 13:22

Instrument :

BNA_F

ClientSampleId :

PB167369BS



Tgt Ion:107 Resp: 326040

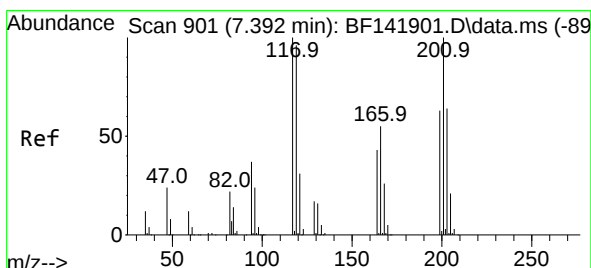
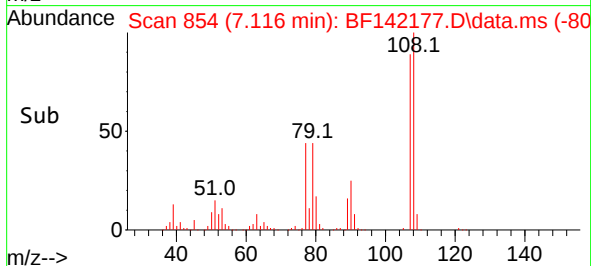
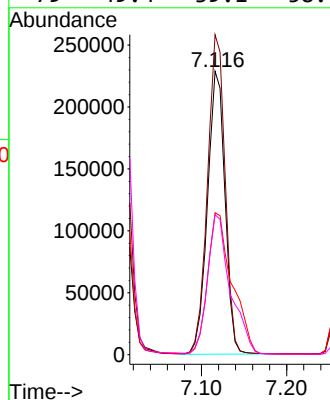
Ion Ratio Lower Upper

107 100

108 113.0 90.2 135.2

77 50.1 39.6 59.4

79 49.4 39.1 58.7



#18

Hexachloroethane

Concen: 50.279 ng

RT: 7.380 min Scan# 899

Delta R.T. -0.012 min

Lab File: BF142177.D

Acq: 31 Mar 2025 13:22

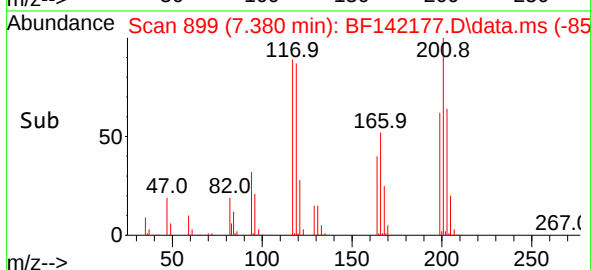
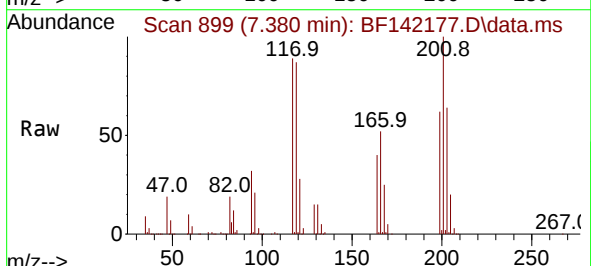
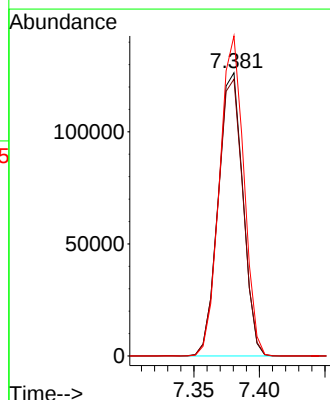
Tgt Ion:117 Resp: 165135

Ion Ratio Lower Upper

117 100

119 97.7 76.9 115.3

201 113.0 79.9 119.9

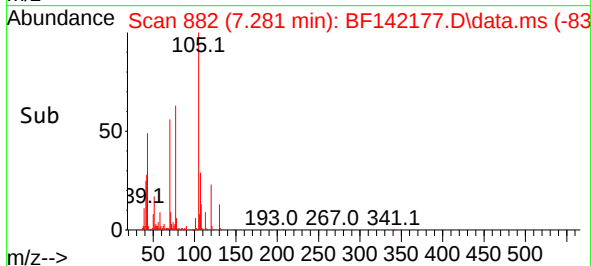
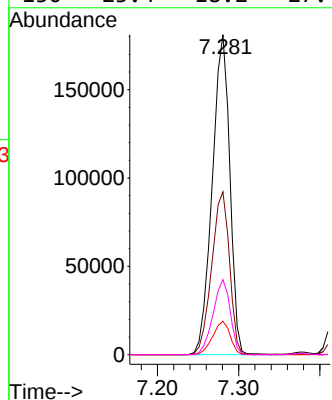
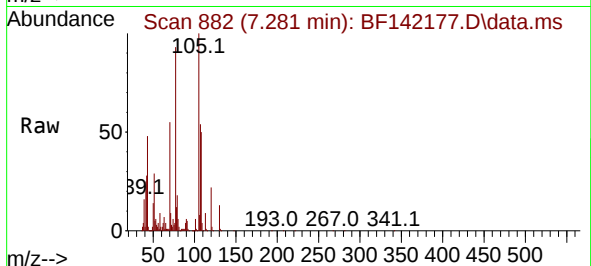




#19
n-Nitroso-di-n-propylamine
Concen: 45.996 ng
RT: 7.281 min Scan# 81
Delta R.T. -0.018 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

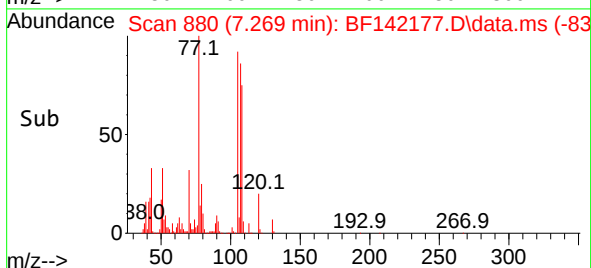
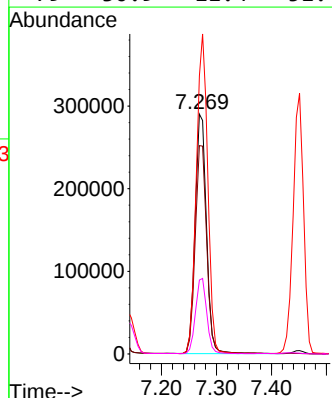
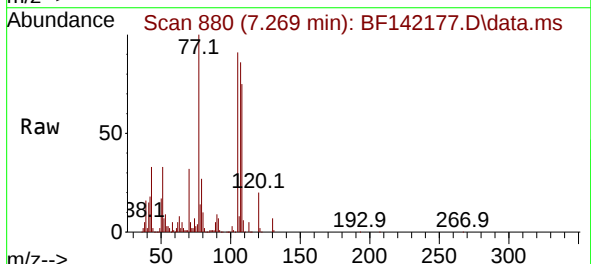
Instrument :
BNA_F
ClientSampleId :
PB167369BS

Tgt Ion: 70 Resp: 272051
Ion Ratio Lower Upper
70 100
42 50.9 41.4 62.0
101 10.5 8.2 12.2
130 23.4 18.2 27.4



#20
3+4-Methylphenols
Concen: 50.761 ng
RT: 7.269 min Scan# 880
Delta R.T. -0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion: 107 Resp: 414507
Ion Ratio Lower Upper
107 100
108 86.9 68.4 108.4
77 116.0 69.7 109.7#
79 30.9 11.4 51.4

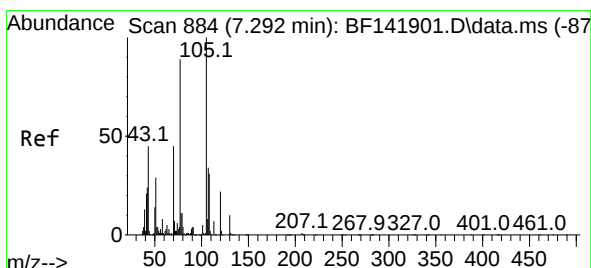
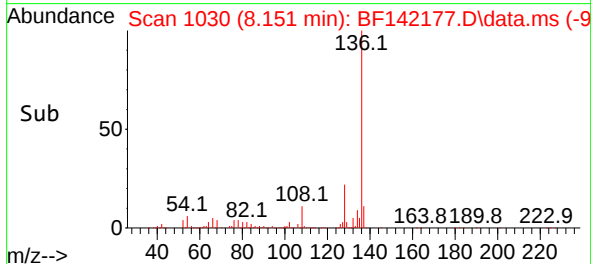
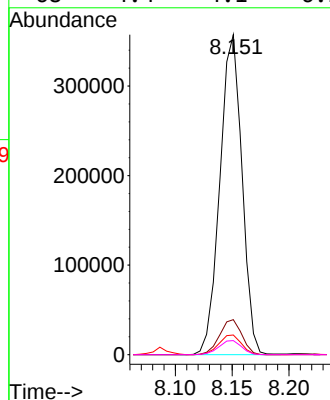
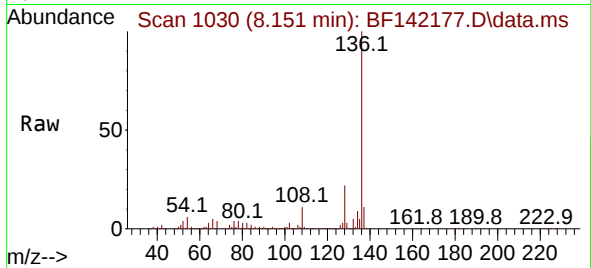




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

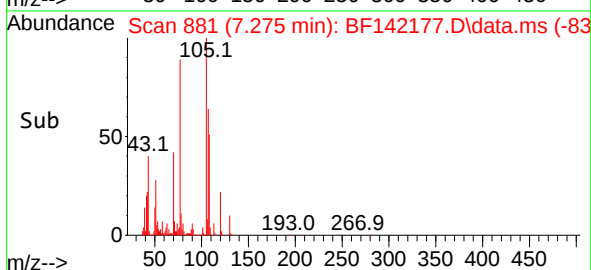
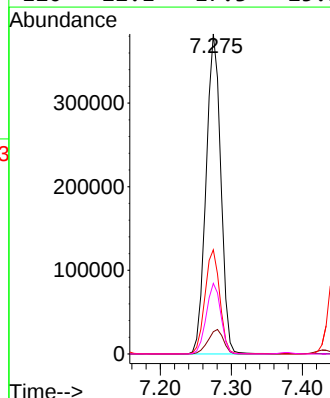
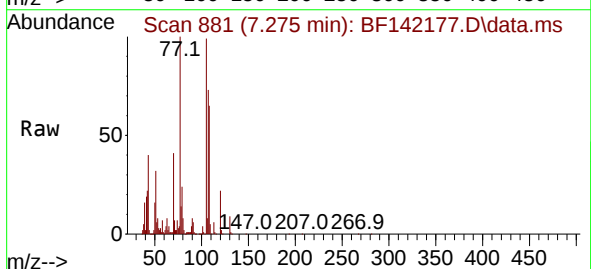
Instrument :
BNA_F
ClientSampleId :
PB167369BS

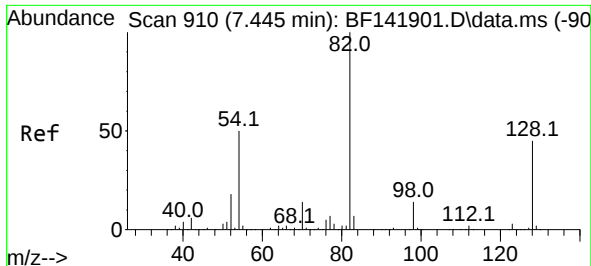
Tgt Ion:	136	Resp:	484067
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.8	13.2
54	6.1	5.8	8.8
68	4.4	4.1	6.1



#22
Acetophenone
Concen: 47.707 ng
RT: 7.275 min Scan# 881
Delta R.T. -0.018 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:	105	Resp:	553030
Ion Ratio	Lower	Upper	
105	100		
71	7.0	5.8	8.8
51	32.6	23.4	35.0
120	22.1	17.3	25.9





#23

Nitrobenzene-d5

Concen: 97.065 ng

RT: 7.428 min Scan# 90

Delta R.T. -0.018 min

Lab File: BF142177.D

Acq: 31 Mar 2025 13:22

Instrument :

BNA_F

ClientSampleId :

PB167369BS

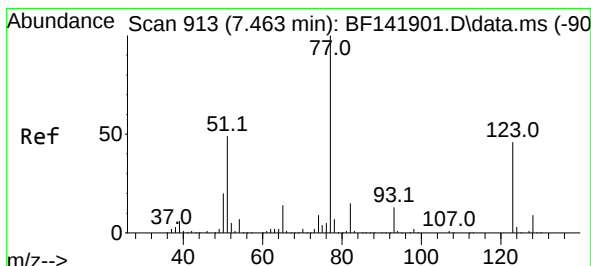
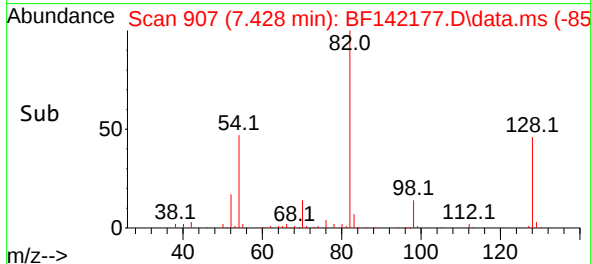
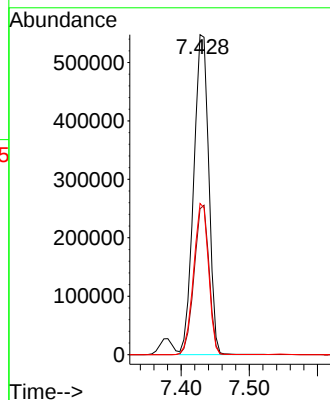
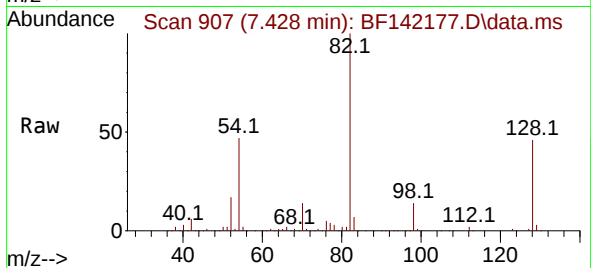
Tgt Ion: 82 Resp: 834922

Ion Ratio Lower Upper

82 100

128 45.6 36.0 54.0

54 47.3 39.6 59.4



#24

Nitrobenzene

Concen: 48.456 ng

RT: 7.451 min Scan# 911

Delta R.T. -0.012 min

Lab File: BF142177.D

Acq: 31 Mar 2025 13:22

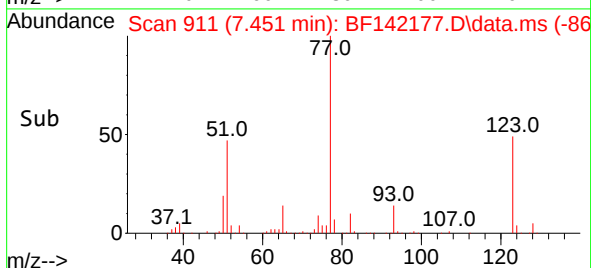
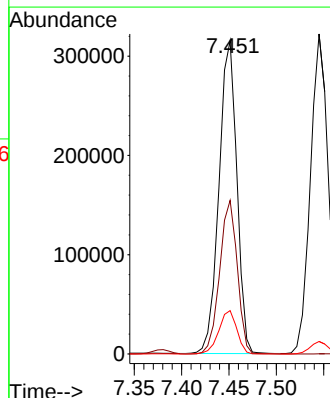
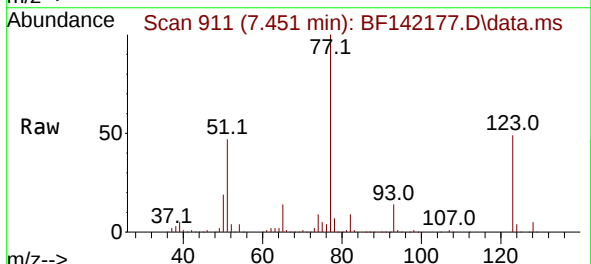
Tgt Ion: 77 Resp: 414348

Ion Ratio Lower Upper

77 100

123 49.1 37.0 55.4

65 13.9 11.3 16.9

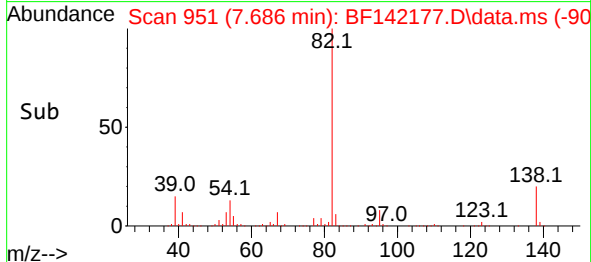
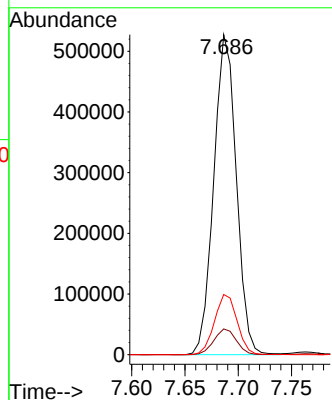
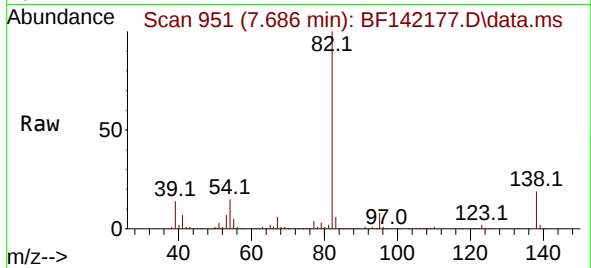




#25
Isophorone
Concen: 51.004 ng
RT: 7.686 min Scan# 91
Delta R.T. -0.018 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

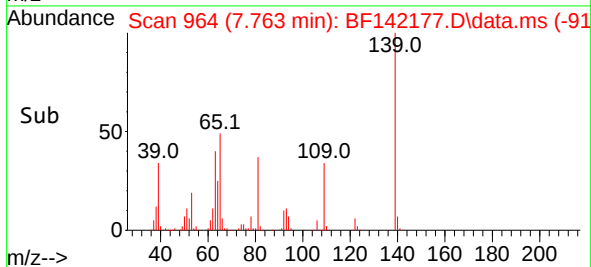
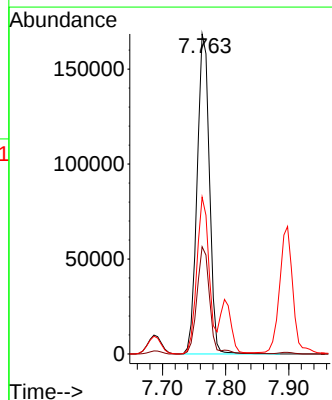
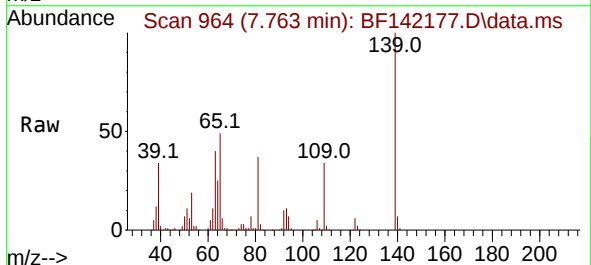
Instrument :
BNA_F
ClientSampleId :
PB167369BS

Tgt Ion: 82 Resp: 775507
Ion Ratio Lower Upper
82 100
95 8.1 6.4 9.6
138 18.8 14.9 22.3



#26
2-Nitrophenol
Concen: 54.270 ng
RT: 7.763 min Scan# 964
Delta R.T. -0.018 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:139 Resp: 227763
Ion Ratio Lower Upper
139 100
109 33.5 26.5 39.7
65 49.0 40.3 60.5





#27

2,4-Dimethylphenol

Concen: 67.441 ng

RT: 7.798 min Scan# 91

Delta R.T. -0.012 min

Lab File: BF142177.D

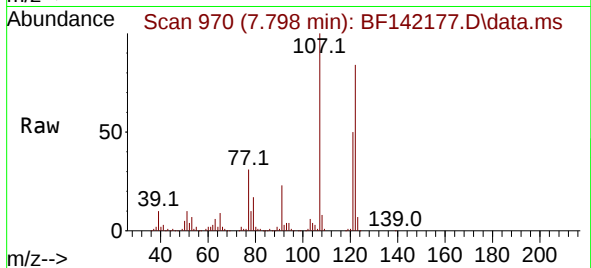
Acq: 31 Mar 2025 13:22

Instrument :

BNA_F

ClientSampleId :

PB167369BS



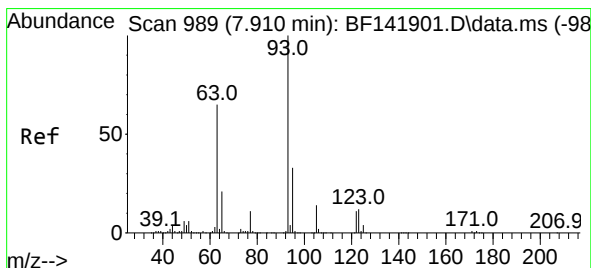
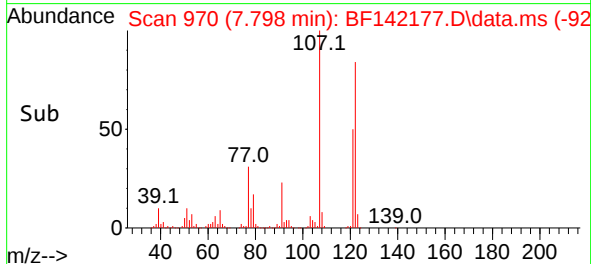
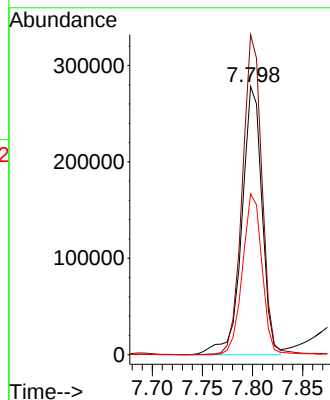
Tgt Ion:122 Resp: 389738

Ion Ratio Lower Upper

122 100

107 119.3 94.8 142.2

121 59.9 47.8 71.6



#28

bis(2-Chloroethoxy)methane

Concen: 48.727 ng

RT: 7.898 min Scan# 987

Delta R.T. -0.012 min

Lab File: BF142177.D

Acq: 31 Mar 2025 13:22

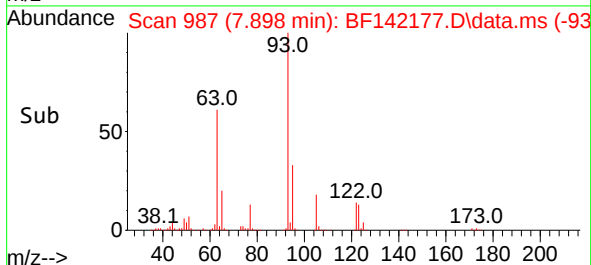
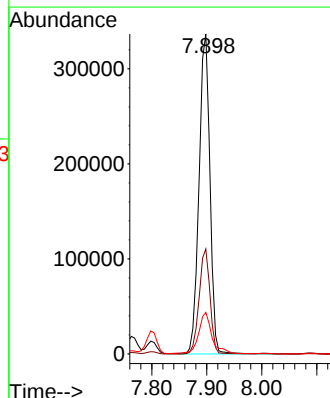
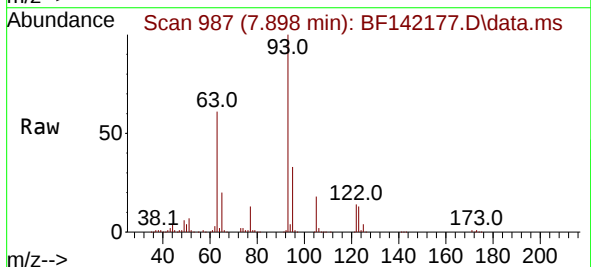
Tgt Ion: 93 Resp: 464694

Ion Ratio Lower Upper

93 100

95 32.8 26.6 40.0

123 13.0 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 51.540 ng

RT: 8.004 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142177.D

Acq: 31 Mar 2025 13:22

Instrument :

BNA_F

ClientSampleId :

PB167369BS

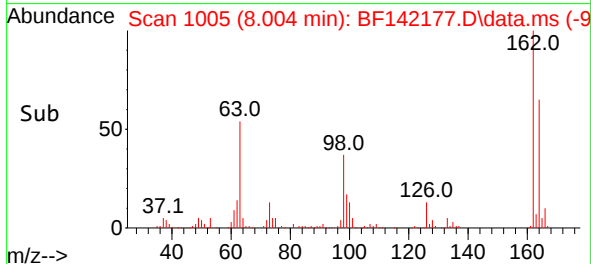
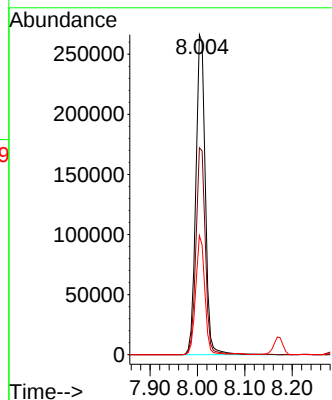
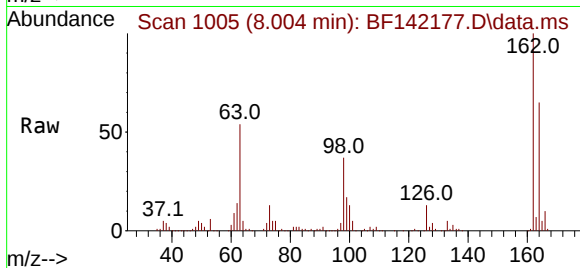
Tgt Ion:162 Resp: 369700

Ion Ratio Lower Upper

162 100

164 64.6 43.8 83.8

98 37.2 18.1 58.1



#30

1,2,4-Trichlorobenzene

Concen: 51.836 ng

RT: 8.092 min Scan# 1020

Delta R.T. -0.012 min

Lab File: BF142177.D

Acq: 31 Mar 2025 13:22

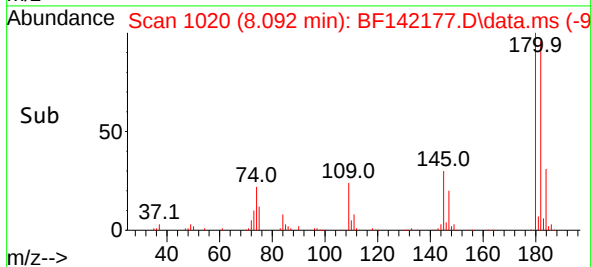
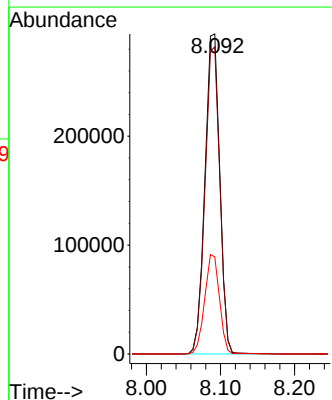
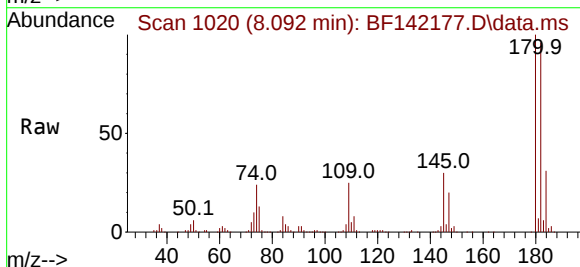
Tgt Ion:180 Resp: 409755

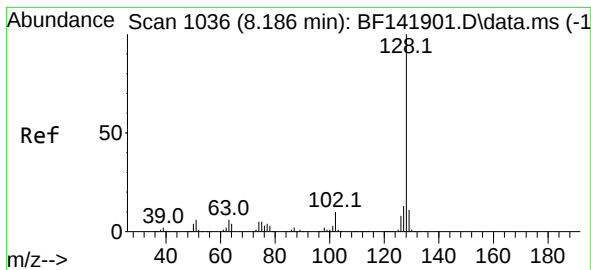
Ion Ratio Lower Upper

180 100

182 95.9 77.5 116.3

145 30.3 25.8 38.6





#31

Naphthalene

Concen: 48.347 ng

RT: 8.169 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF142177.D

Acq: 31 Mar 2025 13:22

Instrument :

BNA_F

ClientSampleId :

PB167369BS

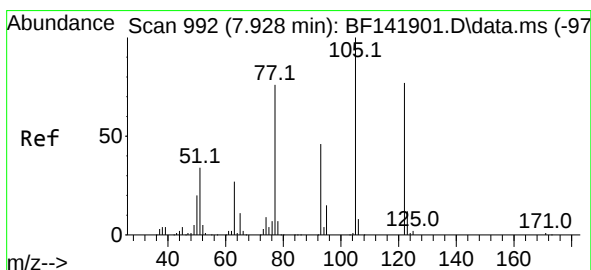
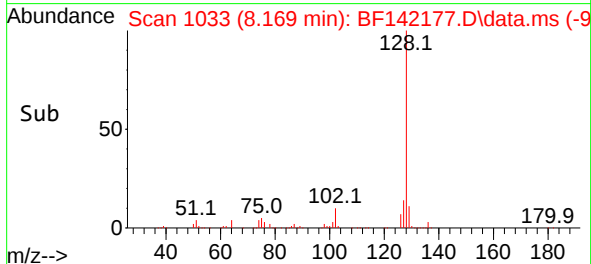
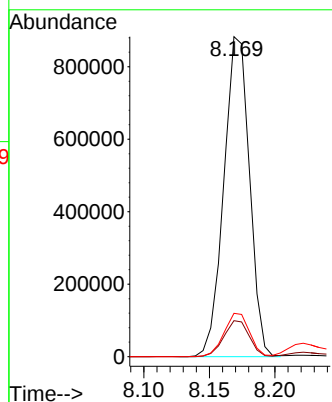
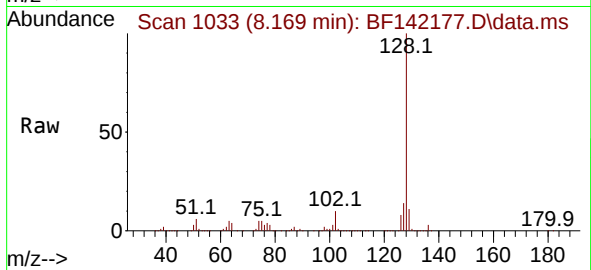
Tgt Ion:128 Resp: 1202192

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.6

127 13.5 10.8 16.2



#32

Benzoic acid

Concen: 50.821 ng

RT: 7.922 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF142177.D

Acq: 31 Mar 2025 13:22

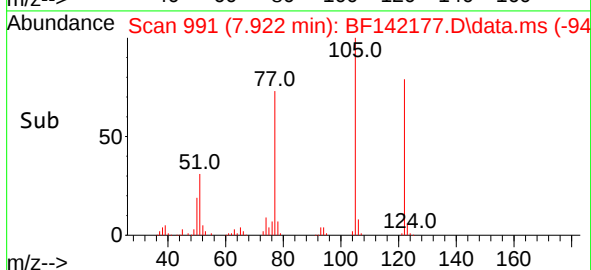
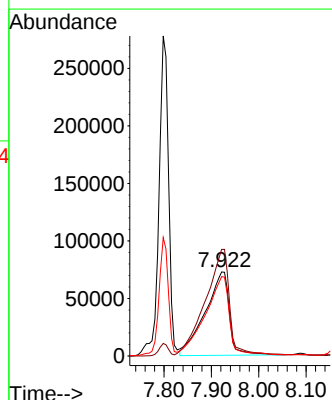
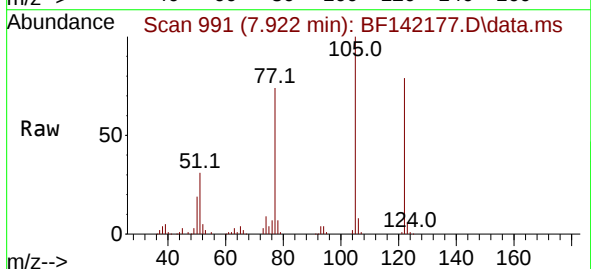
Tgt Ion:122 Resp: 258166

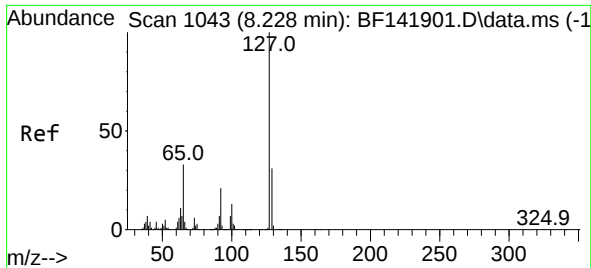
Ion Ratio Lower Upper

122 100

105 126.8 107.9 147.9

77 94.5 79.0 119.0

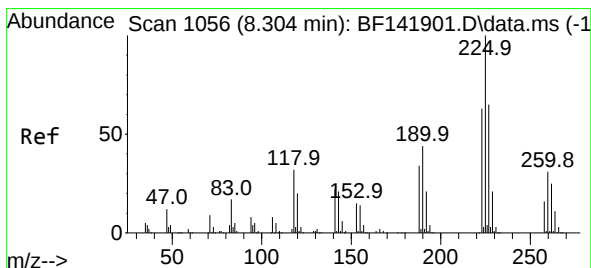
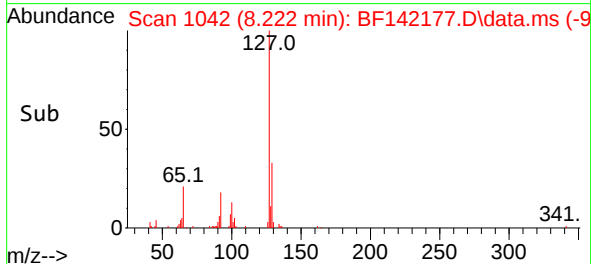
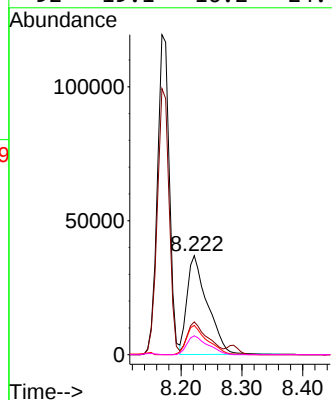
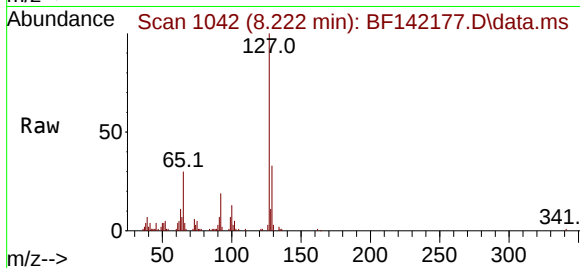




#33
4-Chloroaniline
Concen: 9.757 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

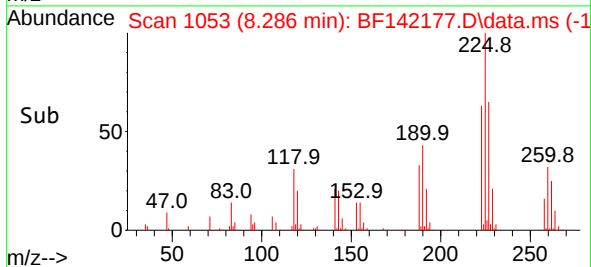
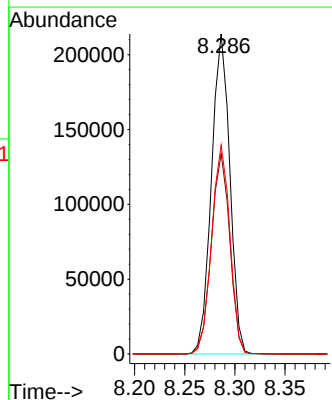
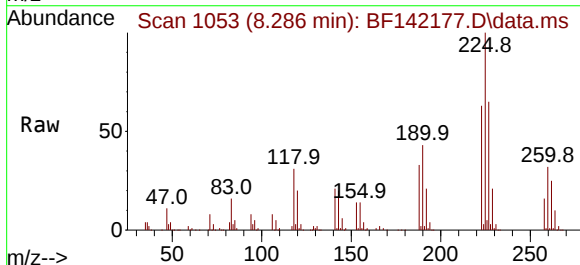
Instrument :
BNA_F
ClientSampleId :
PB167369BS

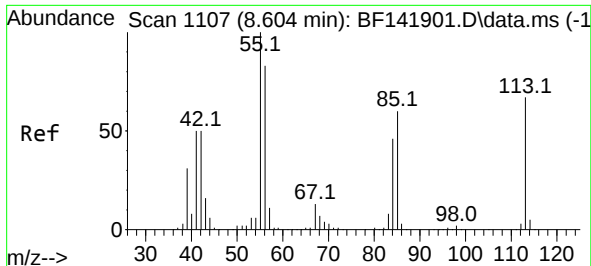
Tgt Ion:	127	Resp:	85644
Ion	Ratio	Lower	Upper
127	100		
129	33.2	26.2	39.4
65	29.5	25.4	38.2
92	19.1	16.2	24.4



#34
Hexachlorobutadiene
Concen: 52.763 ng
RT: 8.286 min Scan# 1053
Delta R.T. -0.018 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:	225	Resp:	272000
Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.6	75.8
227	65.3	52.2	78.2

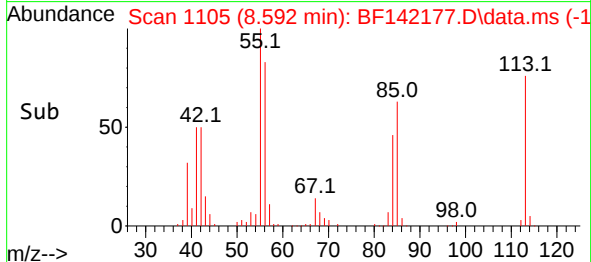
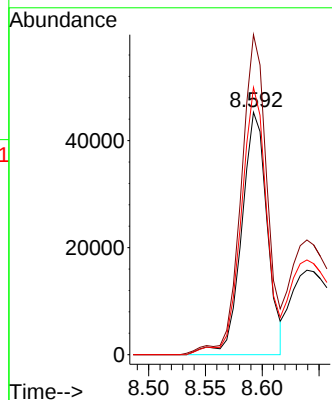
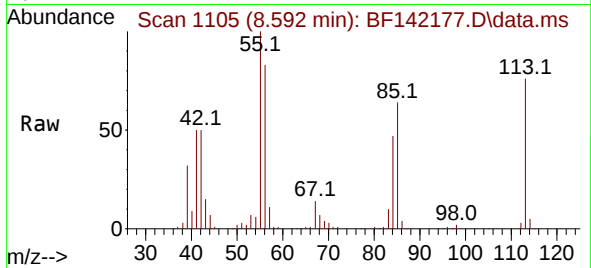




#35
Caprolactam
Concen: 32.396 ng
RT: 8.592 min Scan# 1105
Delta R.T. -0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

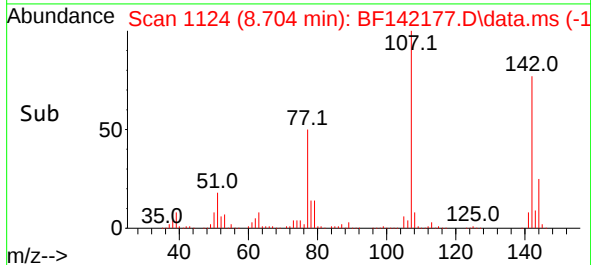
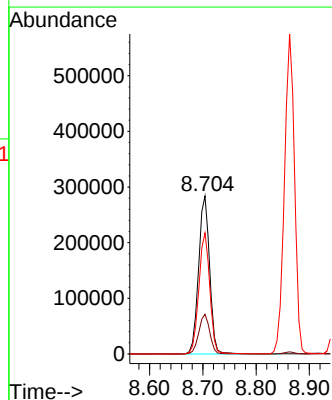
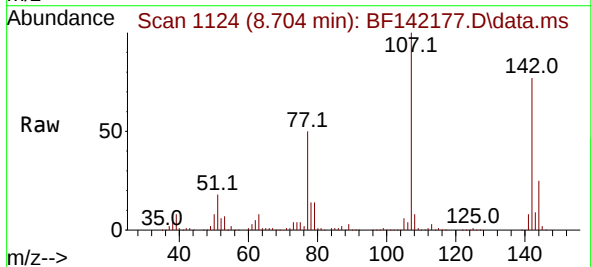
Instrument :
BNA_F
ClientSampleId :
PB167369BS

Tgt Ion:113 Resp: 70847
Ion Ratio Lower Upper
113 100
55 132.0 129.6 169.6
56 110.2 104.0 144.0



#36
4-Chloro-3-methylphenol
Concen: 51.197 ng
RT: 8.704 min Scan# 1124
Delta R.T. -0.000 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:107 Resp: 409653
Ion Ratio Lower Upper
107 100
144 25.1 19.0 28.6
142 76.7 59.2 88.8





#37

2-Methylnaphthalene

Concen: 45.416 ng

RT: 8.863 min Scan# 1153

Delta R.T. -0.012 min

Lab File: BF142177.D

Acq: 31 Mar 2025 13:22

Instrument :

BNA_F

ClientSampleId :

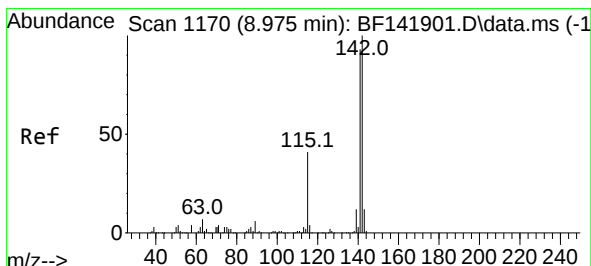
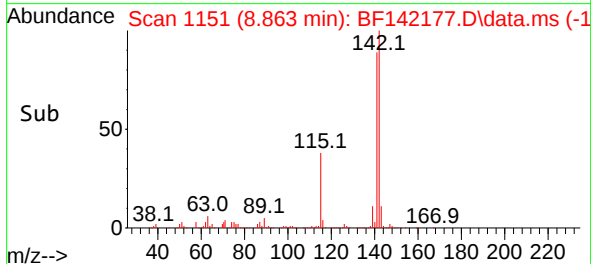
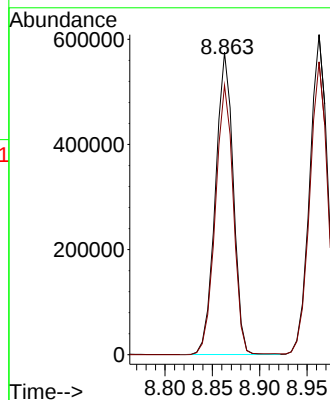
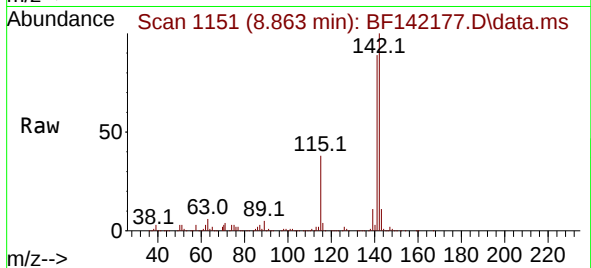
PB167369BS

Tgt Ion:142 Resp: 754830

Ion Ratio Lower Upper

142 100

141 89.2 71.2 106.8



#38

1-Methylnaphthalene

Concen: 49.304 ng

RT: 8.963 min Scan# 1168

Delta R.T. -0.012 min

Lab File: BF142177.D

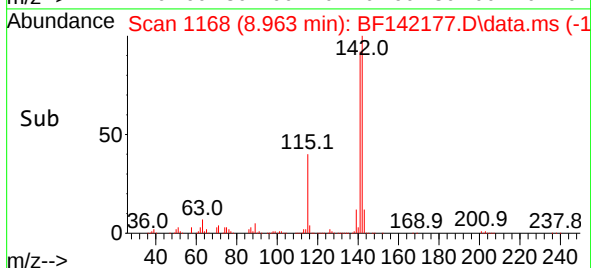
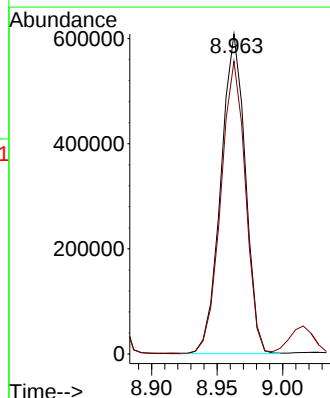
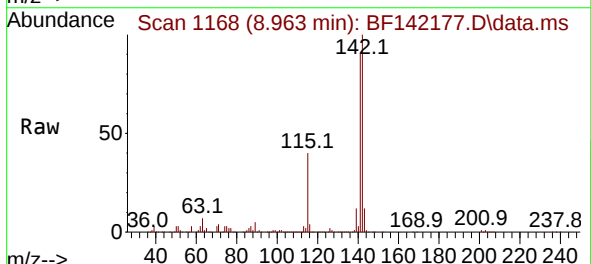
Acq: 31 Mar 2025 13:22

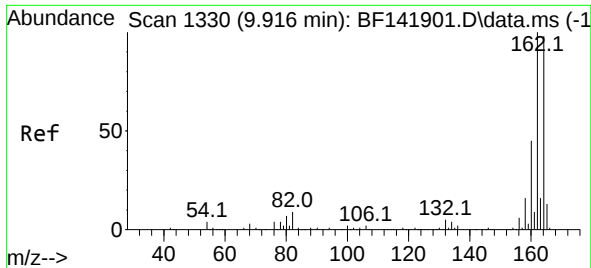
Tgt Ion:142 Resp: 790773

Ion Ratio Lower Upper

142 100

141 91.5 74.2 111.4

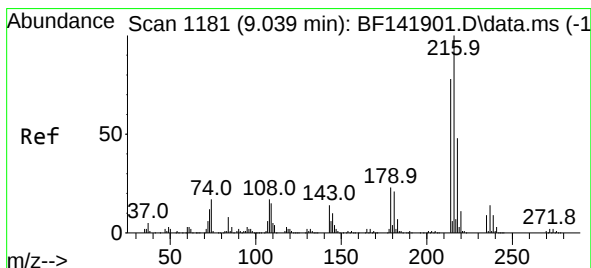
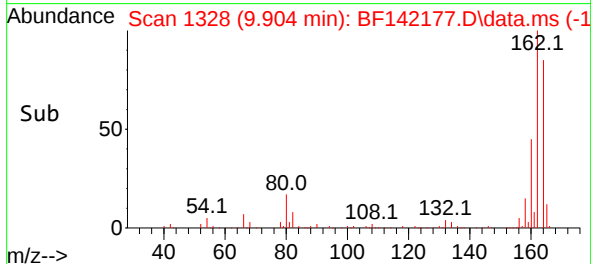
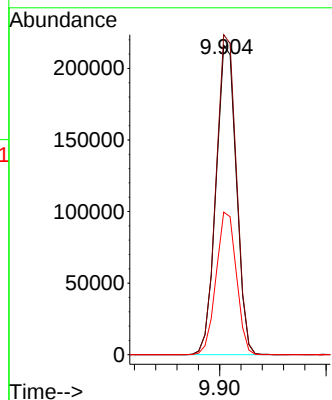
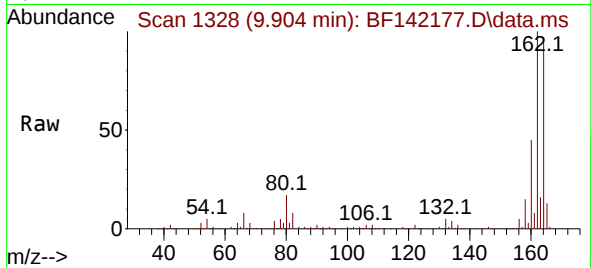




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1179
Delta R.T. -0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

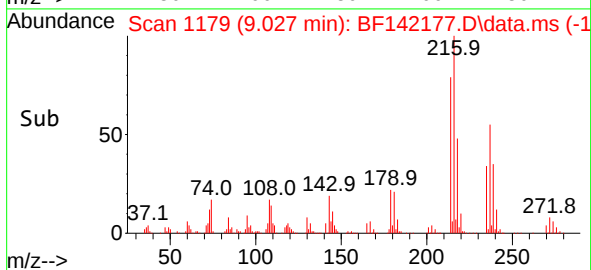
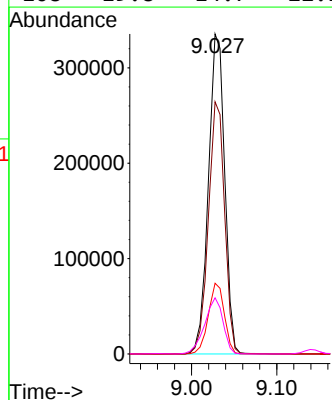
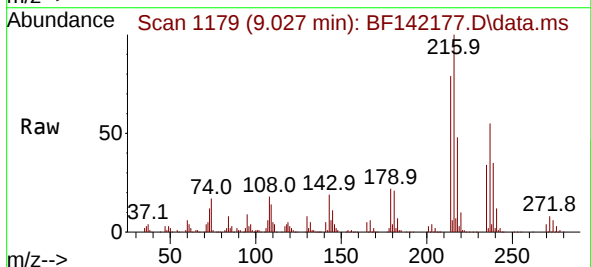
Instrument :
BNA_F
ClientSampleId :
PB167369BS

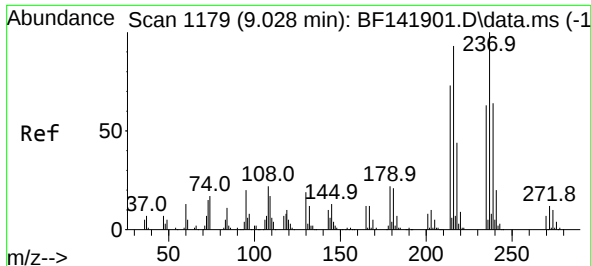
Tgt Ion:164 Resp: 285734
Ion Ratio Lower Upper
164 100
162 103.4 81.8 122.6
160 46.1 36.7 55.1



#40
1,2,4,5-Tetrachlorobenzene
Concen: 51.130 ng
RT: 9.027 min Scan# 1179
Delta R.T. -0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:216 Resp: 444807
Ion Ratio Lower Upper
216 100
214 78.5 61.9 92.9
179 21.8 18.1 27.1
108 19.8 14.7 22.1

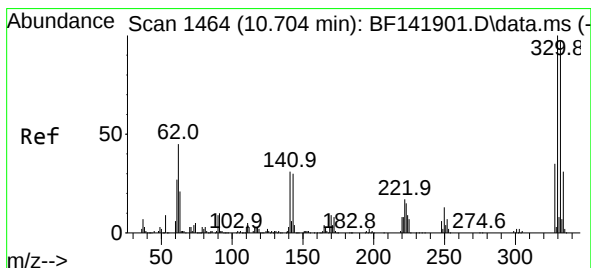
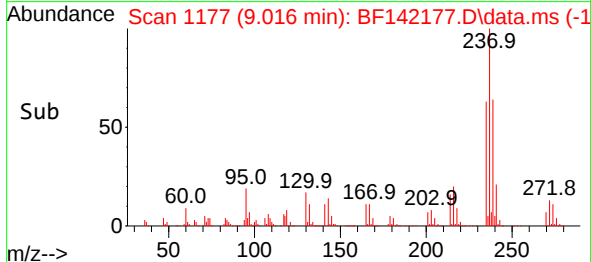
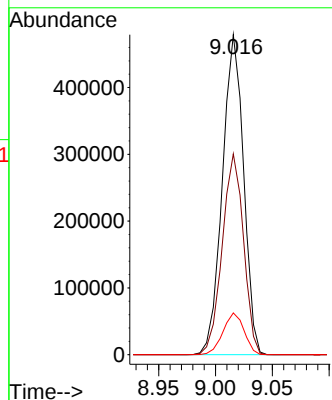
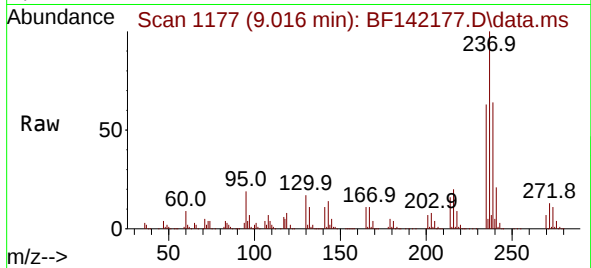




#41
Hexachlorocyclopentadiene
Concen: 182.981 ng
RT: 9.016 min Scan# 1177
Delta R.T. -0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

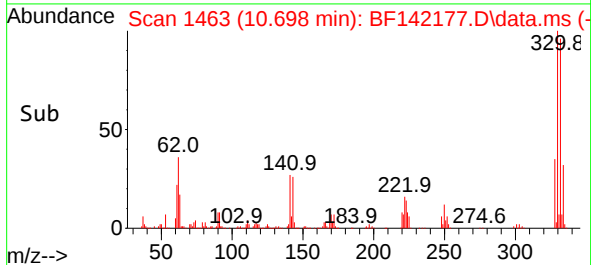
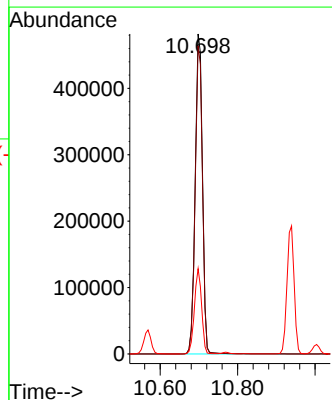
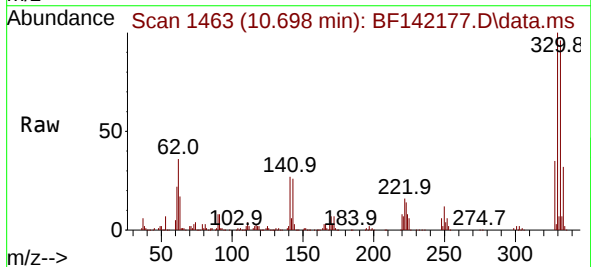
Instrument :
BNA_F
ClientSampleId :
PB167369BS

Tgt Ion:237 Resp: 622980
Ion Ratio Lower Upper
237 100
235 62.8 43.1 83.1
272 13.0 0.0 32.0



#42
2,4,6-Tribromophenol
Concen: 173.206 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:330 Resp: 627855
Ion Ratio Lower Upper
330 100
332 95.9 77.6 116.4
141 26.4 24.7 37.1





#43

2,4,6-Trichlorophenol

Concen: 52.420 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF142177.D

Acq: 31 Mar 2025 13:22

Instrument :

BNA_F

ClientSampleId :

PB167369BS

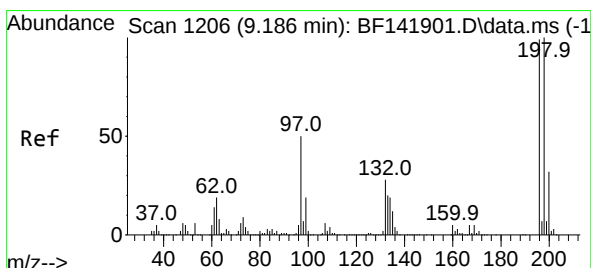
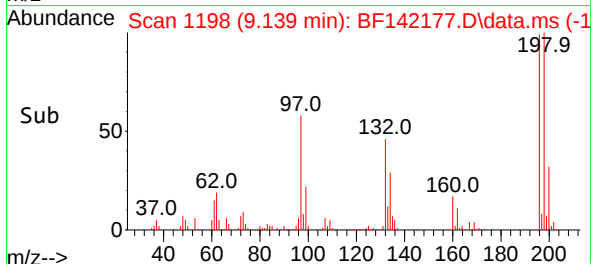
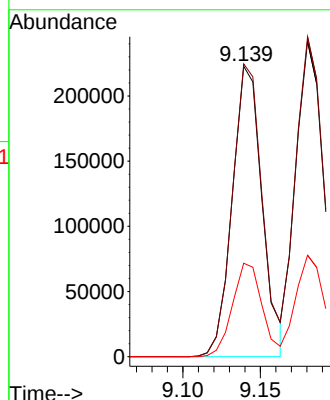
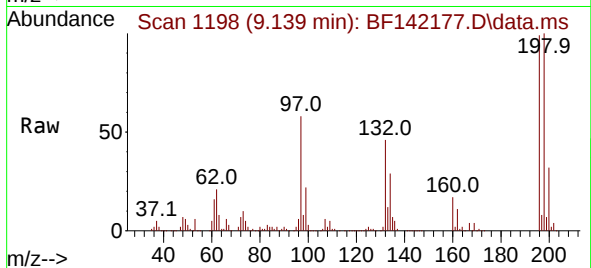
Tgt Ion:196 Resp: 298031

Ion Ratio Lower Upper

196 100

198 100.8 80.6 121.0

200 32.2 25.8 38.6



#44

2,4,5-Trichlorophenol

Concen: 53.434 ng

RT: 9.180 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF142177.D

Acq: 31 Mar 2025 13:22

Tgt Ion:196 Resp: 307687

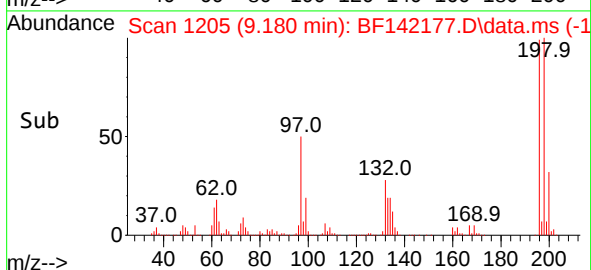
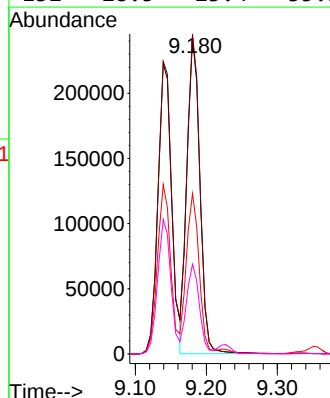
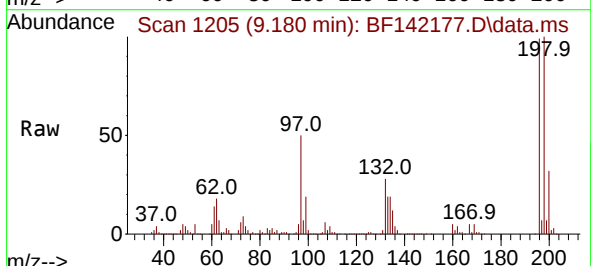
Ion Ratio Lower Upper

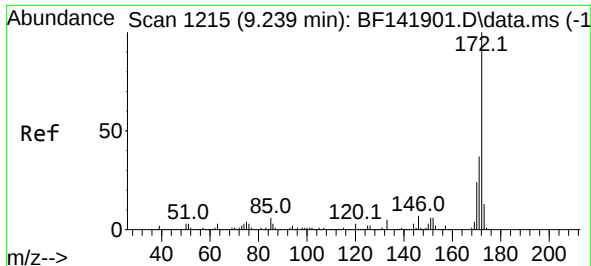
196 100

198 101.5 80.7 121.1

97 50.9 42.1 63.1

132 28.5 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 98.880 ng

RT: 9.227 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF142177.D

Acq: 31 Mar 2025 13:22

Instrument :

BNA_F

ClientSampleId :

PB167369BS

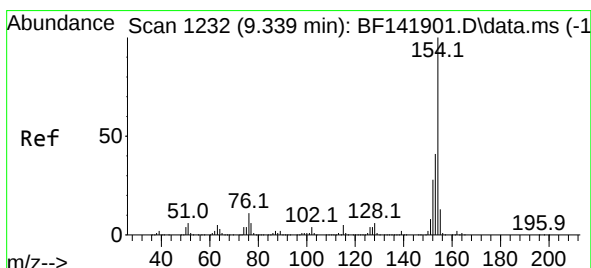
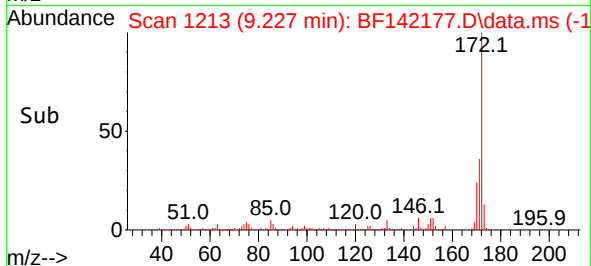
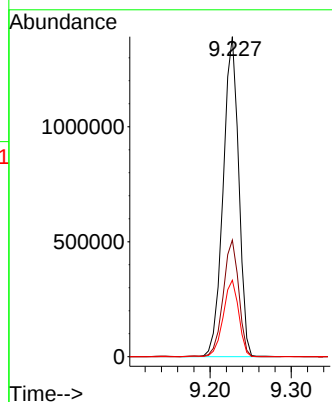
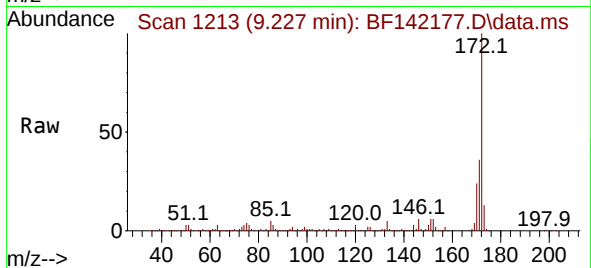
Tgt Ion:172 Resp: 1857788

Ion Ratio Lower Upper

172 100

171 36.5 29.3 43.9

170 23.9 19.4 29.0



#46

1,1'-Biphenyl

Concen: 49.586 ng

RT: 9.327 min Scan# 1230

Delta R.T. -0.012 min

Lab File: BF142177.D

Acq: 31 Mar 2025 13:22

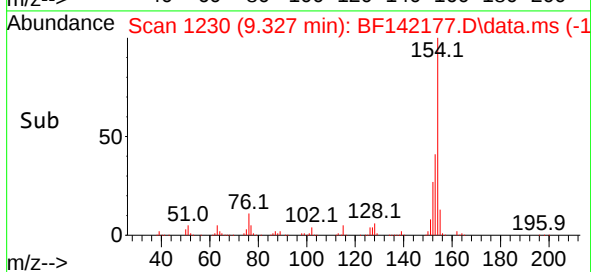
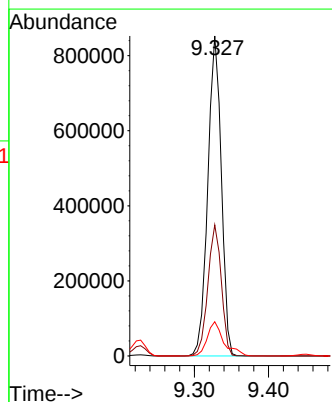
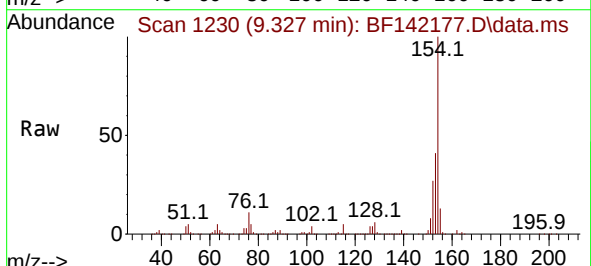
Tgt Ion:154 Resp: 1076545

Ion Ratio Lower Upper

154 100

153 41.0 21.1 61.1

76 10.7 0.0 31.3





#47

2-Chloronaphthalene

Concen: 50.990 ng

RT: 9.351 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF142177.D

Acq: 31 Mar 2025 13:22

Instrument :

BNA_F

ClientSampleId :

PB167369BS

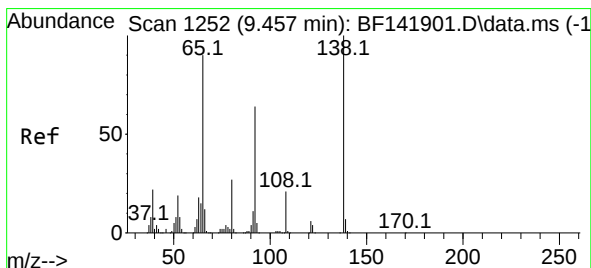
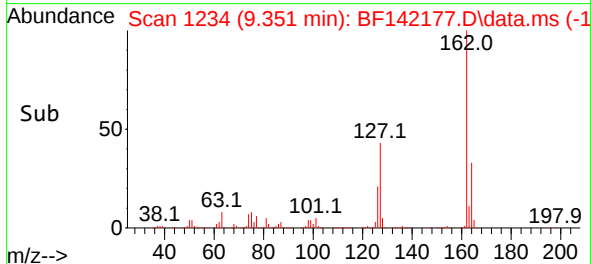
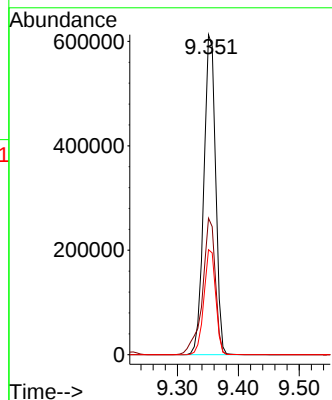
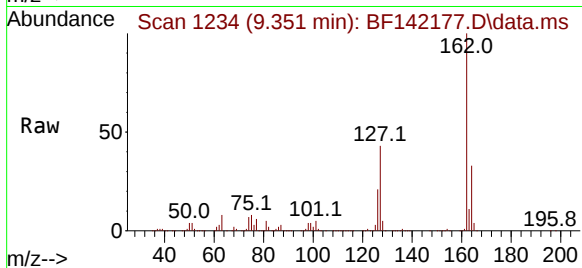
Tgt Ion:162 Resp: 825118

Ion Ratio Lower Upper

162 100

127 42.7 35.5 53.3

164 32.8 26.6 40.0



#48

2-Nitroaniline

Concen: 48.632 ng

RT: 9.451 min Scan# 1251

Delta R.T. -0.006 min

Lab File: BF142177.D

Acq: 31 Mar 2025 13:22

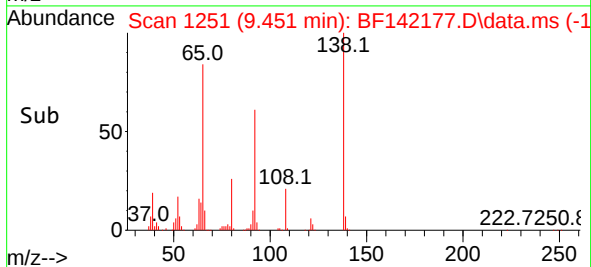
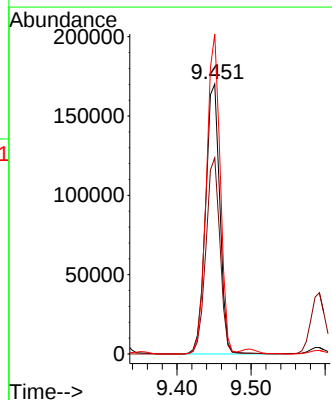
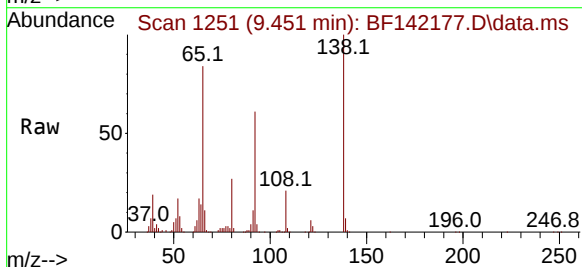
Tgt Ion: 65 Resp: 227855

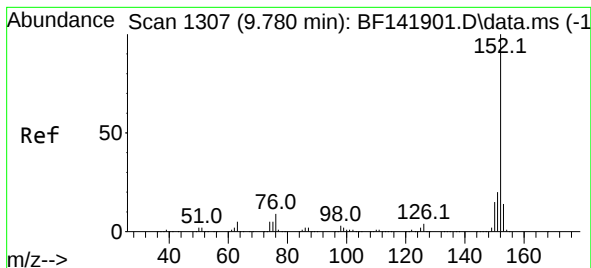
Ion Ratio Lower Upper

65 100

92 72.7 56.6 84.8

138 118.5 88.6 133.0





#49

Acenaphthylene

Concen: 54.194 ng

RT: 9.769 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142177.D

Acq: 31 Mar 2025 13:22

Instrument :

BNA_F

ClientSampleId :

PB167369BS

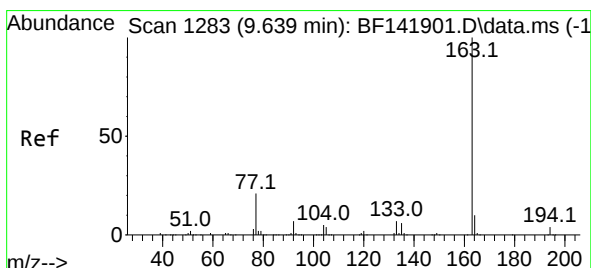
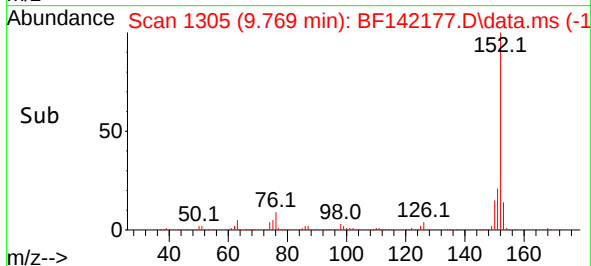
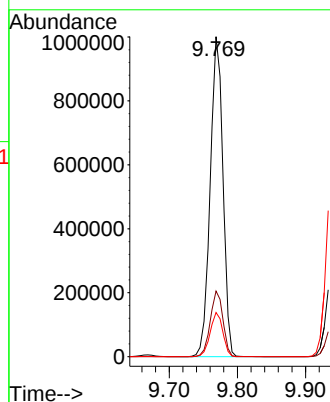
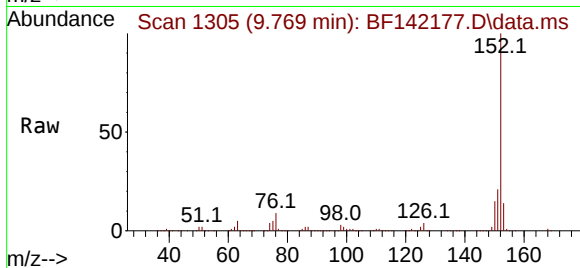
Tgt Ion:152 Resp: 1301383

Ion Ratio Lower Upper

152 100

151 20.5 16.3 24.5

153 13.8 11.1 16.7



#50

Dimethylphthalate

Concen: 51.190 ng

RT: 9.627 min Scan# 1281

Delta R.T. -0.012 min

Lab File: BF142177.D

Acq: 31 Mar 2025 13:22

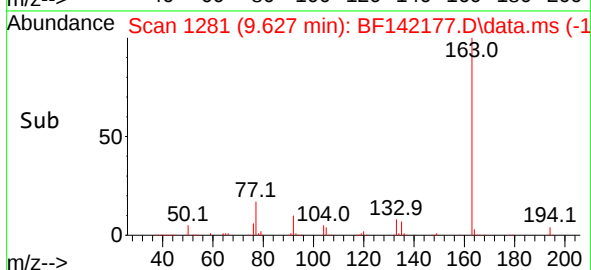
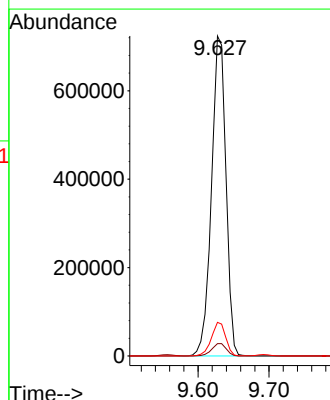
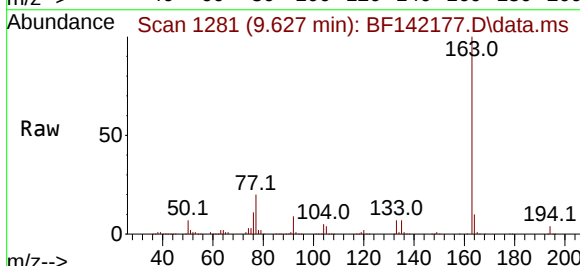
Tgt Ion:163 Resp: 1024272

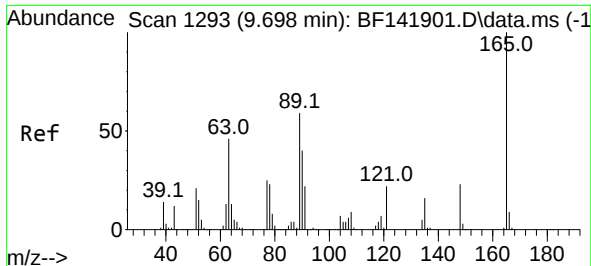
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

164 10.5 8.2 12.4

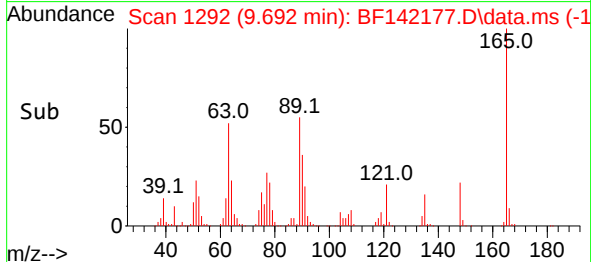
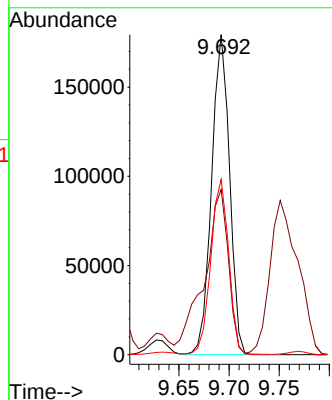
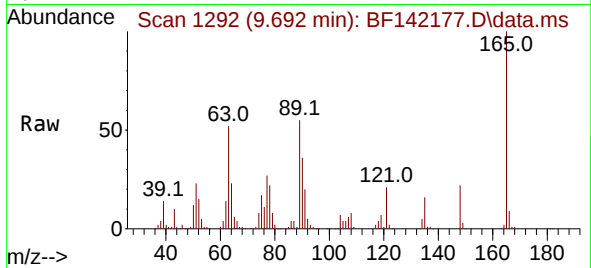




#51
2,6-Dinitrotoluene
Concen: 53.623 ng
RT: 9.692 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

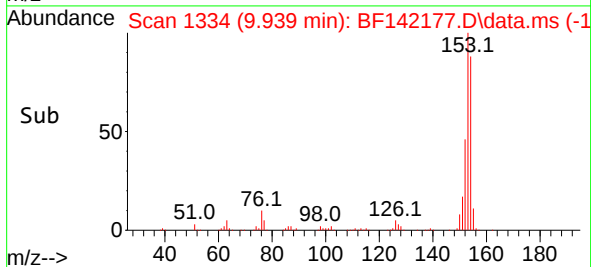
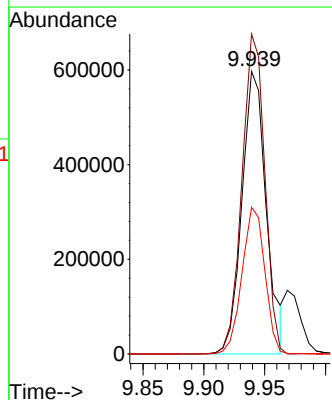
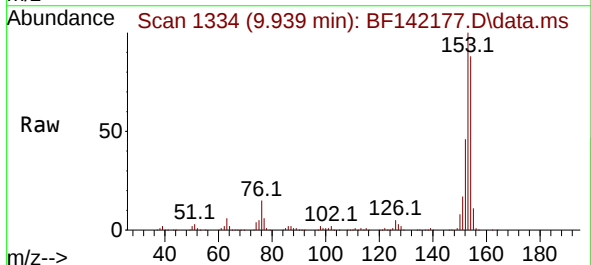
Instrument :
BNA_F
ClientSampleId :
PB167369BS

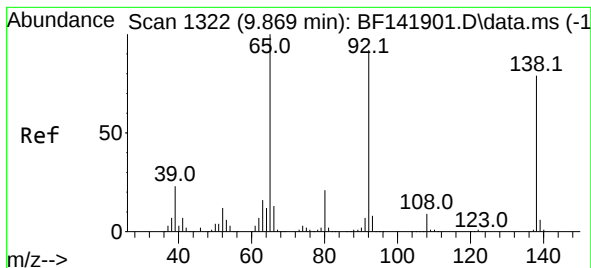
Tgt Ion:165 Resp: 223399
Ion Ratio Lower Upper
165 100
63 51.7 47.0 70.4
89 54.7 47.4 71.2



#52
Acenaphthene
Concen: 49.182 ng
RT: 9.939 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:154 Resp: 829966
Ion Ratio Lower Upper
154 100
153 113.2 90.7 136.1
152 51.9 41.1 61.7





#53

3-Nitroaniline

Concen: 14.395 ng

RT: 9.857 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF142177.D

Acq: 31 Mar 2025 13:22

Instrument :

BNA_F

ClientSampleId :

PB167369BS

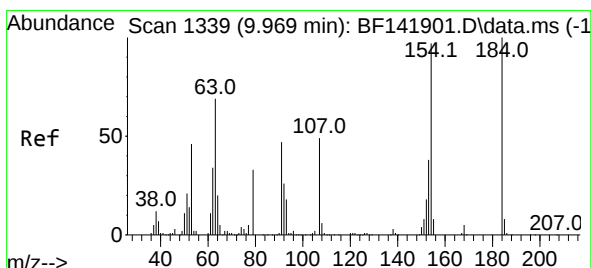
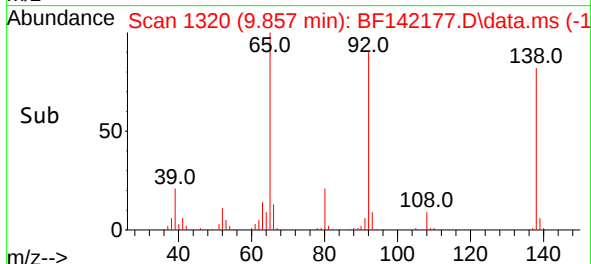
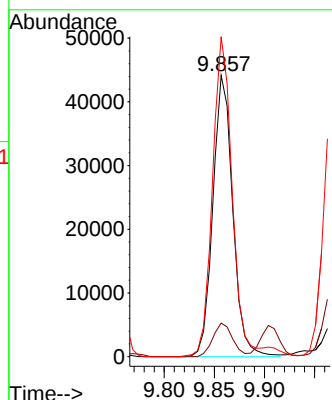
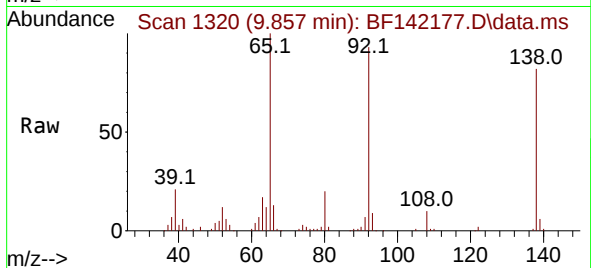
Tgt Ion:138 Resp: 60833

Ion Ratio Lower Upper

138 100

108 11.9 9.3 13.9

92 113.8 93.5 140.3



#54

2,4-Dinitrophenol

Concen: 108.826 ng

RT: 9.969 min Scan# 1339

Delta R.T. -0.000 min

Lab File: BF142177.D

Acq: 31 Mar 2025 13:22

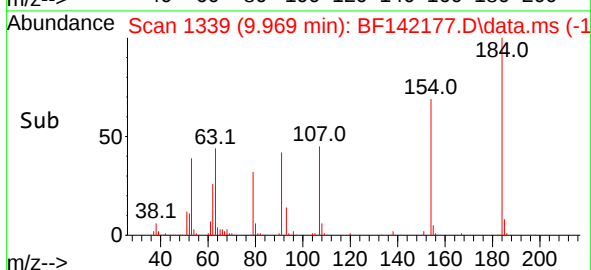
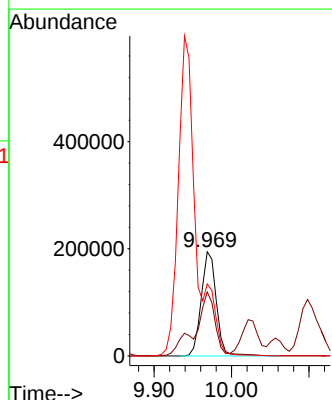
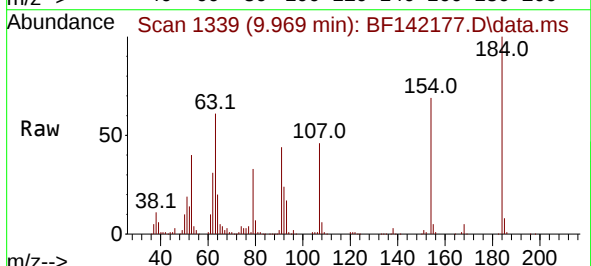
Tgt Ion:184 Resp: 263709

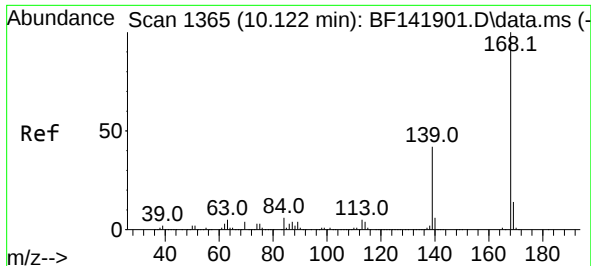
Ion Ratio Lower Upper

184 100

63 61.4 60.2 90.4

154 69.1 132.9 199.3#

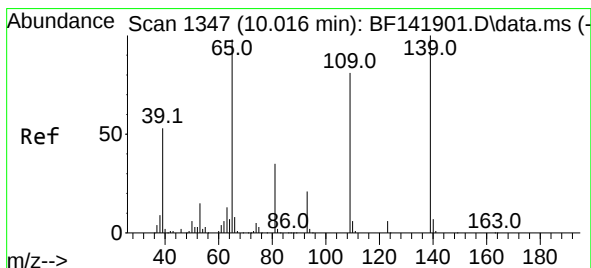
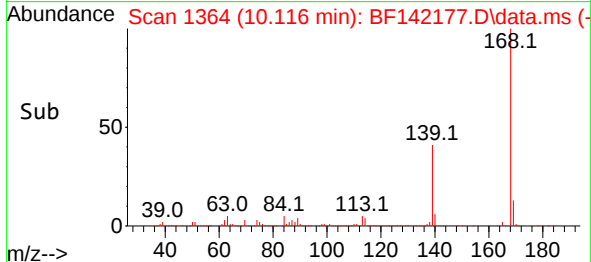
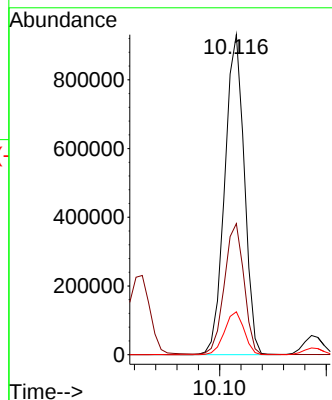
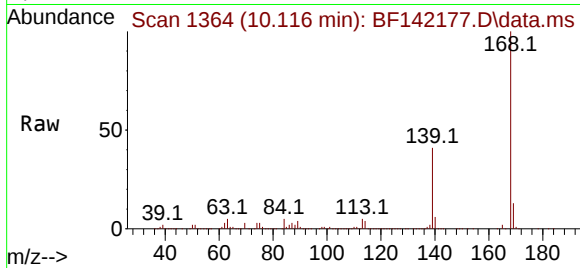




#55
Dibenzenofuran
Concen: 49.044 ng
RT: 10.116 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

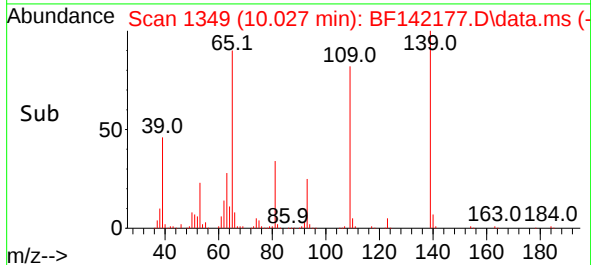
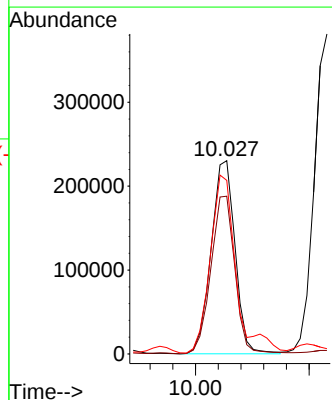
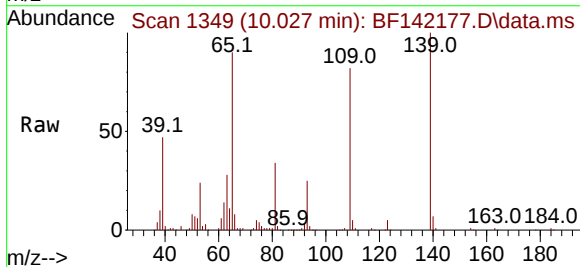
Instrument :
BNA_F
ClientSampleId :
PB167369BS

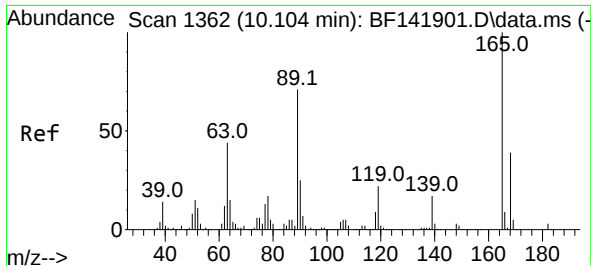
Tgt Ion:168 Resp: 1182589
Ion Ratio Lower Upper
168 100
139 41.0 33.9 50.9
169 13.4 11.0 16.4



#56
4-Nitrophenol
Concen: 105.616 ng
RT: 10.027 min Scan# 1349
Delta R.T. 0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:139 Resp: 336591
Ion Ratio Lower Upper
139 100
109 81.6 61.6 101.6
65 89.8 79.4 119.4

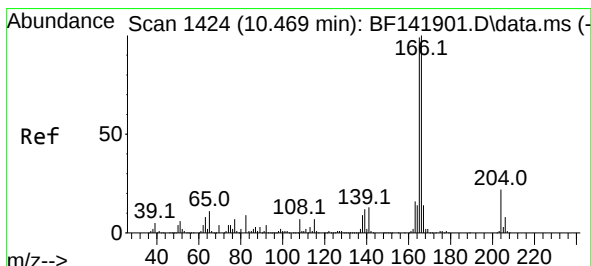
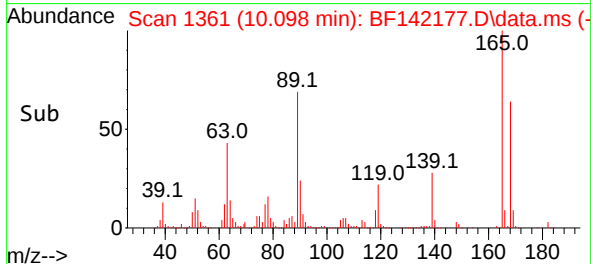
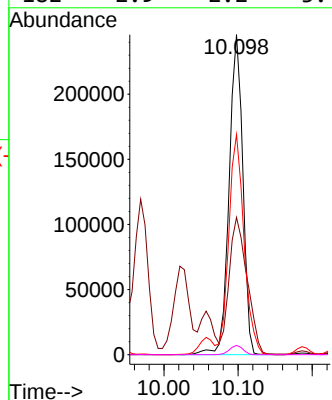
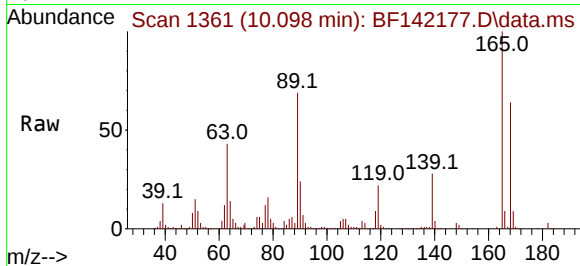




#57
2,4-Dinitrotoluene
Concen: 57.884 ng
RT: 10.098 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

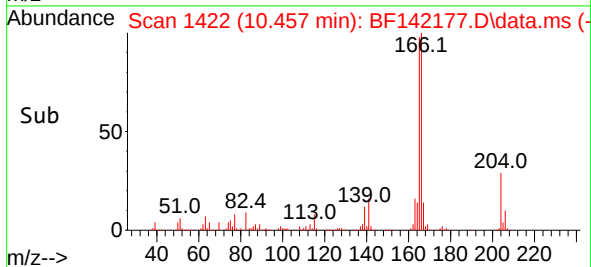
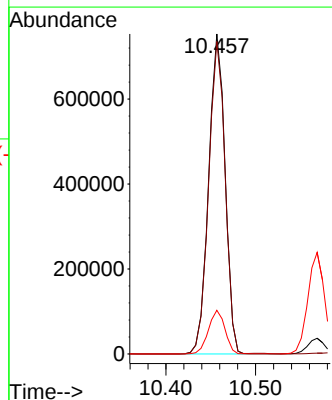
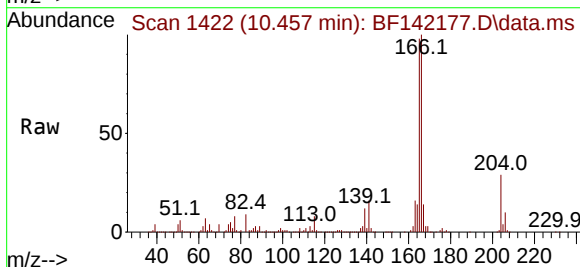
Instrument :
BNA_F
ClientSampleId :
PB167369BS

Tgt Ion:165 Resp: 314970
Ion Ratio Lower Upper
165 100
63 42.9 35.4 53.2
89 68.8 56.6 84.8
182 2.9 2.2 3.4



#58
Fluorene
Concen: 51.633 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:166 Resp: 960135
Ion Ratio Lower Upper
166 100
165 97.6 79.0 118.4
167 13.7 11.0 16.4

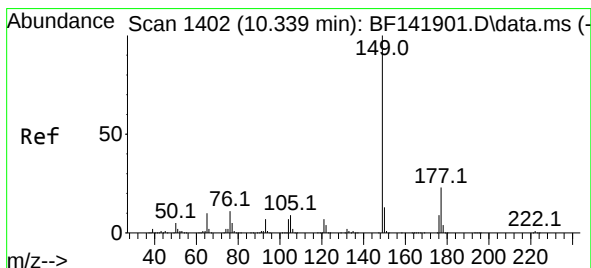
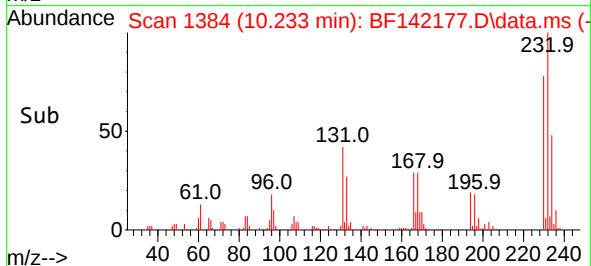
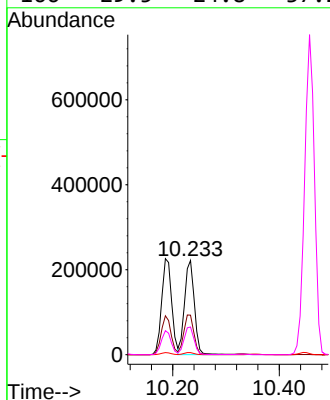
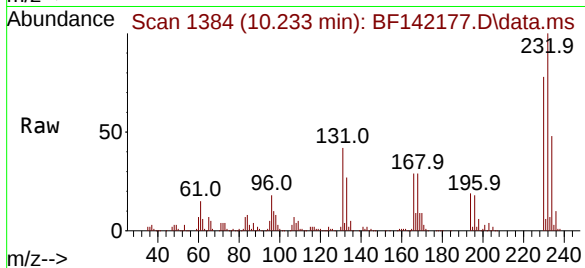




#59
2,3,4,6-Tetrachlorophenol
Concen: 53.994 ng
RT: 10.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

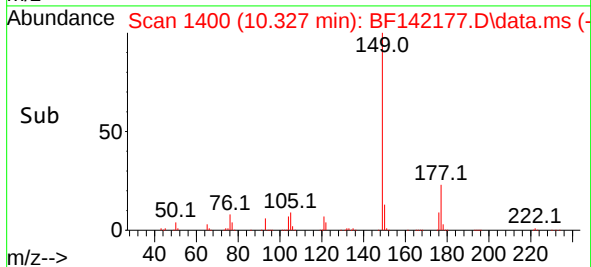
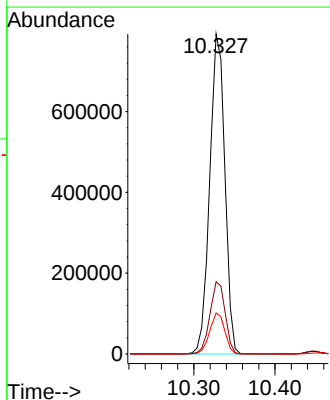
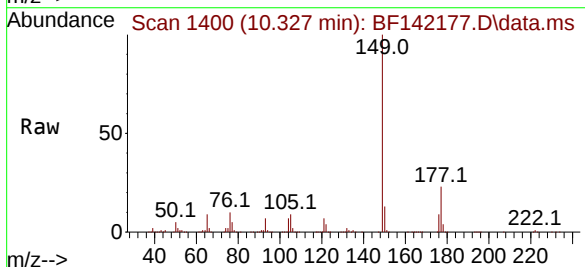
Instrument :
BNA_F
ClientSampleId :
PB167369BS

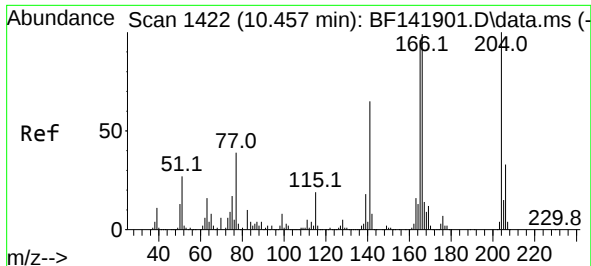
Tgt Ion:232 Resp: 282918
Ion Ratio Lower Upper
232 100
131 43.2 37.3 55.9
130 2.3 1.9 2.9
166 29.5 24.8 37.2



#60
Diethylphthalate
Concen: 51.313 ng
RT: 10.327 min Scan# 1400
Delta R.T. -0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:149 Resp: 1023786
Ion Ratio Lower Upper
149 100
177 22.6 18.0 27.0
150 12.8 10.2 15.4

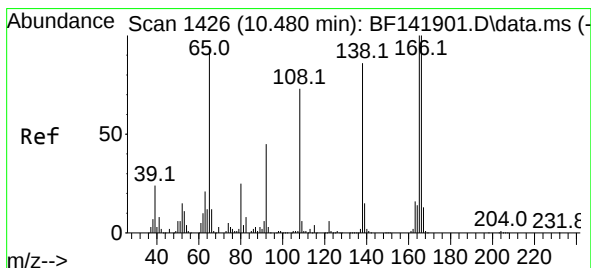
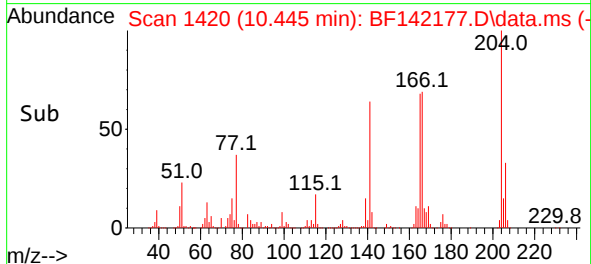
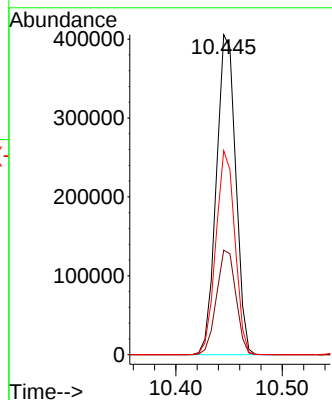
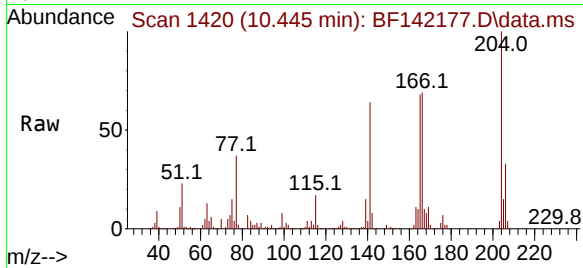




#61
4-Chlorophenyl-phenylether
Concen: 52.797 ng
RT: 10.445 min Scan# 1420
Delta R.T. -0.012 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

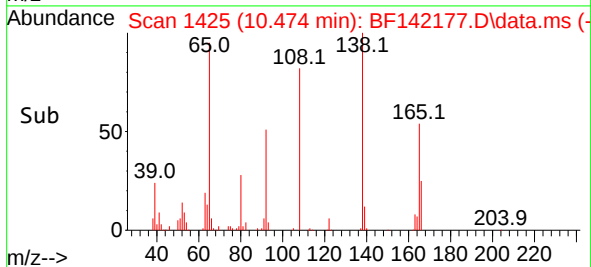
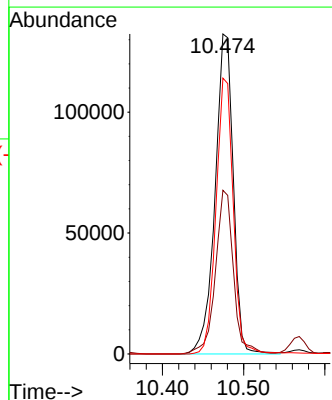
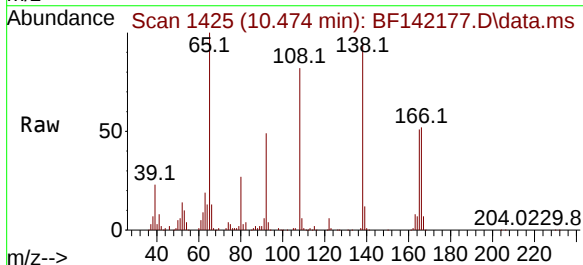
Instrument :
BNA_F
ClientSampleId :
PB167369BS

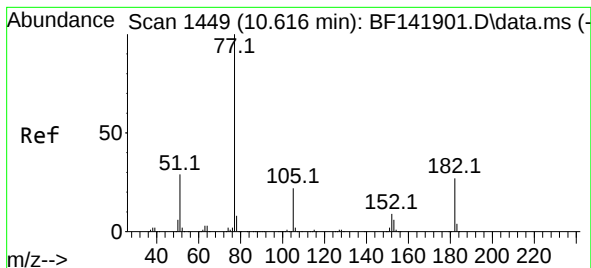
Tgt Ion:204 Resp: 511854
Ion Ratio Lower Upper
204 100
206 32.7 26.8 40.2
141 63.8 52.4 78.6



#62
4-Nitroaniline
Concen: 50.245 ng
RT: 10.474 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:138 Resp: 206720
Ion Ratio Lower Upper
138 100
92 51.1 32.6 72.6
108 86.2 65.0 105.0





#63

Azobenzene

Concen: 47.368 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF142177.D

Acq: 31 Mar 2025 13:22

Instrument :

BNA_F

ClientSampleId :

PB167369BS

Tgt Ion: 77 Resp: 878646

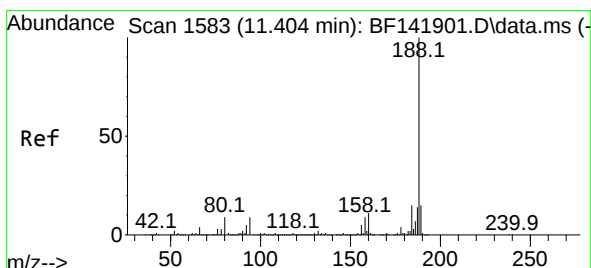
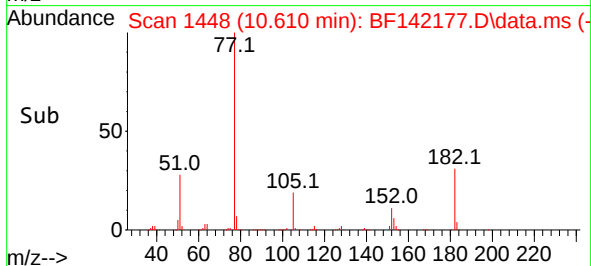
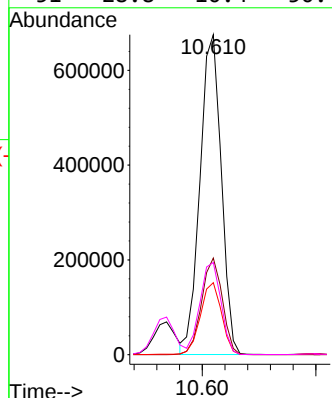
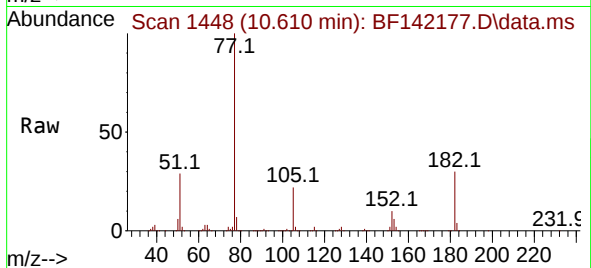
Ion Ratio Lower Upper

77 100

182 30.2 6.6 46.6

105 22.5 1.3 41.3

51 28.8 10.4 50.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1581

Delta R.T. -0.012 min

Lab File: BF142177.D

Acq: 31 Mar 2025 13:22

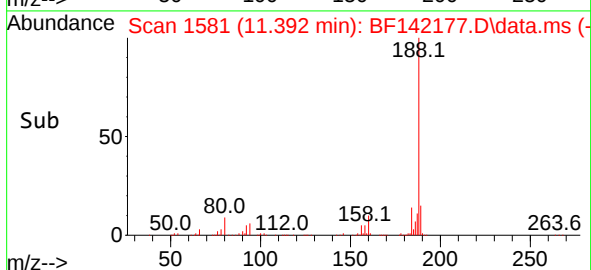
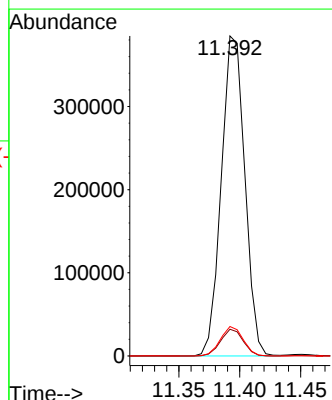
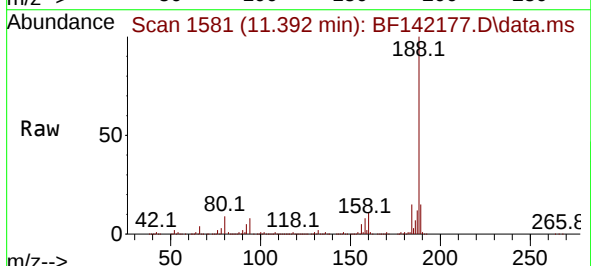
Tgt Ion: 188 Resp: 517636

Ion Ratio Lower Upper

188 100

94 8.3 6.8 10.2

80 9.2 7.6 11.4

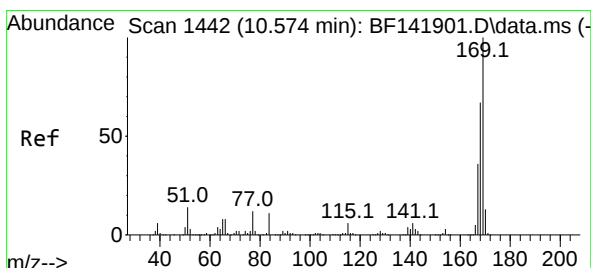
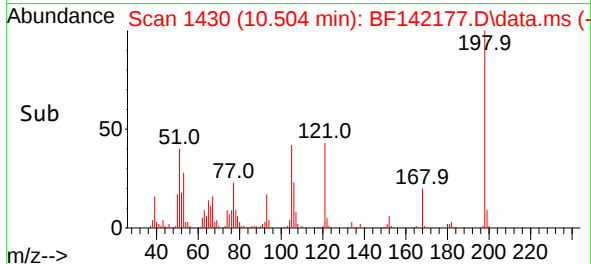
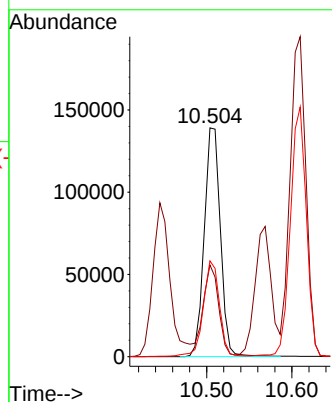
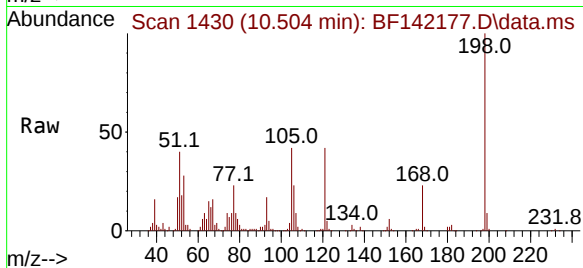




#65
4,6-Dinitro-2-methylphenol
Concen: 59.432 ng
RT: 10.504 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

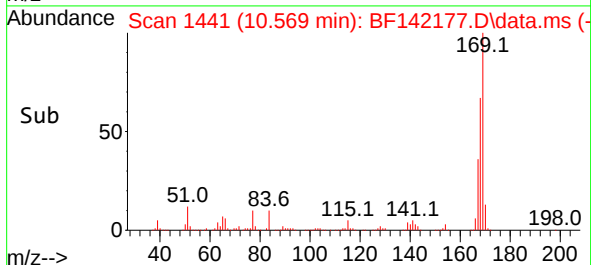
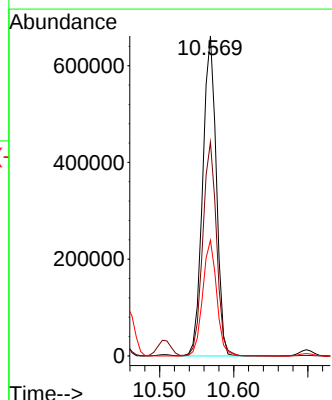
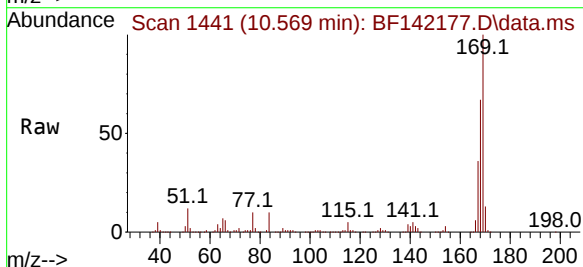
Instrument :
BNA_F
ClientSampleId :
PB167369BS

Tgt Ion:198 Resp: 183397
Ion Ratio Lower Upper
198 100
51 40.1 22.3 62.3
105 41.9 23.0 63.0



#66
n-Nitrosodiphenylamine
Concen: 50.253 ng
RT: 10.569 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:169 Resp: 841785
Ion Ratio Lower Upper
169 100
168 66.9 53.7 80.5
167 36.2 29.2 43.8

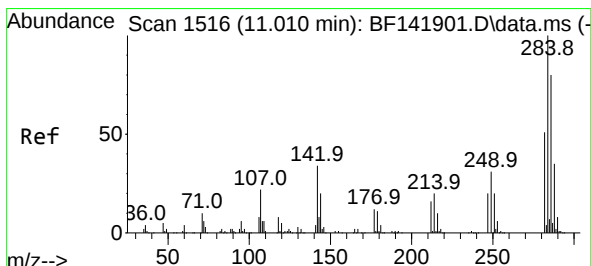
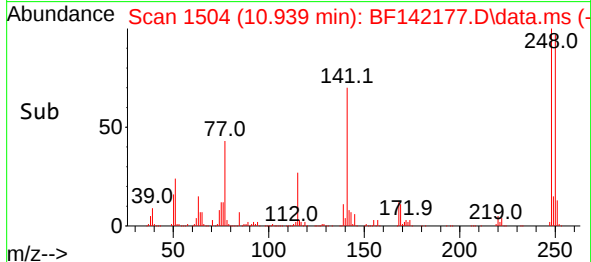
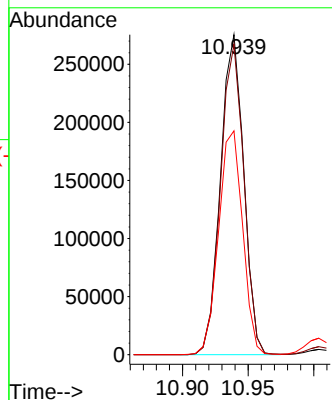
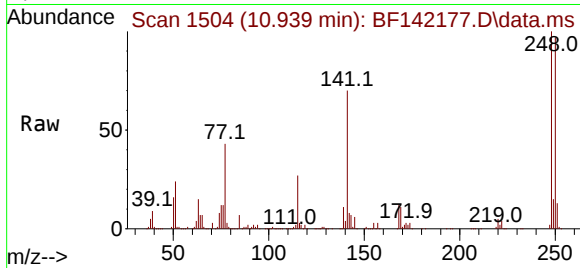




#67
4-Bromophenyl-phenylether
Concen: 52.359 ng
RT: 10.939 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

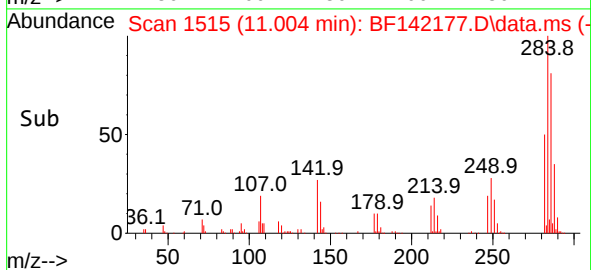
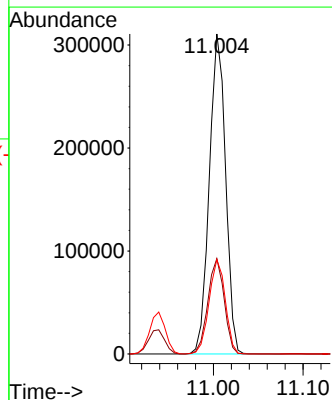
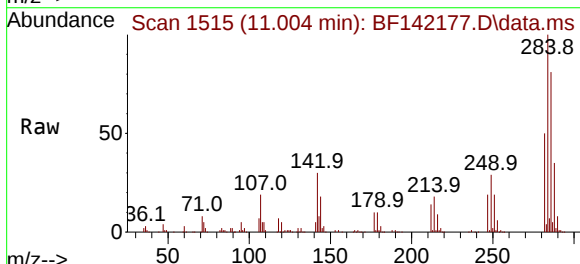
Instrument :
BNA_F
ClientSampleId :
PB167369BS

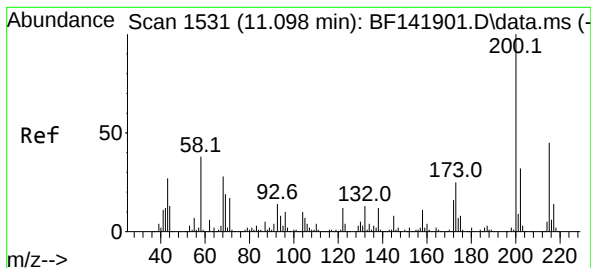
Tgt Ion:248 Resp: 340379
Ion Ratio Lower Upper
248 100
250 97.0 77.8 116.8
141 69.9 62.6 93.8



#68
Hexachlorobenzene
Concen: 54.838 ng
RT: 11.004 min Scan# 1515
Delta R.T. -0.006 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:284 Resp: 390998
Ion Ratio Lower Upper
284 100
142 29.8 27.0 40.6
249 29.5 25.2 37.8





#69

Atrazine

Concen: 63.029 ng

RT: 11.092 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142177.D

Acq: 31 Mar 2025 13:22

Instrument :

BNA_F

ClientSampleId :

PB167369BS

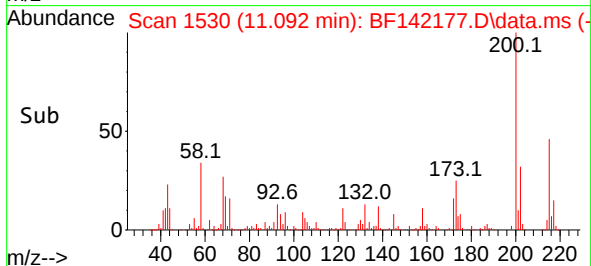
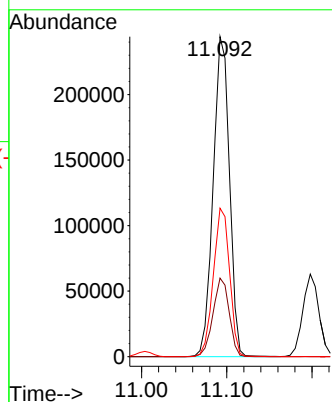
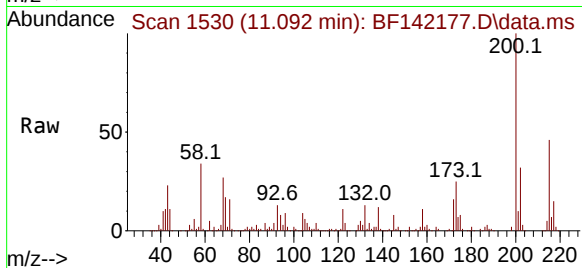
Tgt Ion:200 Resp: 323666

Ion Ratio Lower Upper

200 100

173 24.6 4.7 44.7

215 46.4 25.4 65.4



#70

Pentachlorophenol

Concen: 103.768 ng

RT: 11.198 min Scan# 1548

Delta R.T. -0.006 min

Lab File: BF142177.D

Acq: 31 Mar 2025 13:22

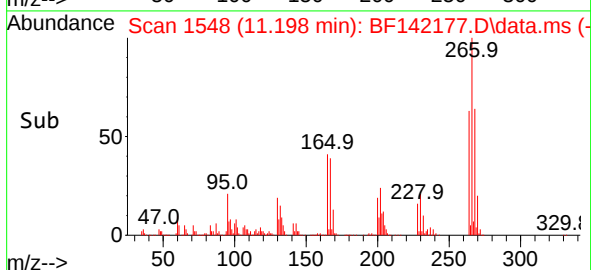
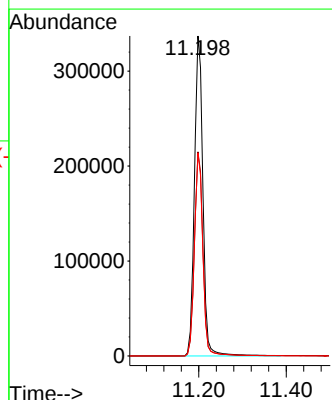
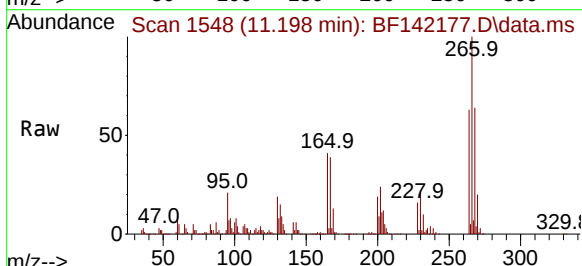
Tgt Ion:266 Resp: 455852

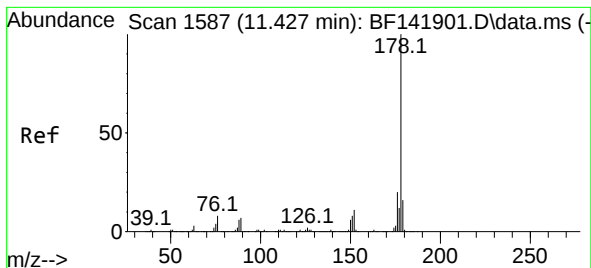
Ion Ratio Lower Upper

266 100

268 63.8 51.0 76.6

264 63.4 50.2 75.2





#71

Phenanthrene

Concen: 51.698 ng

RT: 11.421 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142177.D

Acq: 31 Mar 2025 13:22

Instrument :

BNA_F

ClientSampleId :

PB167369BS

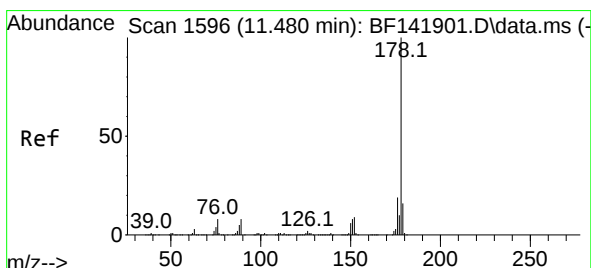
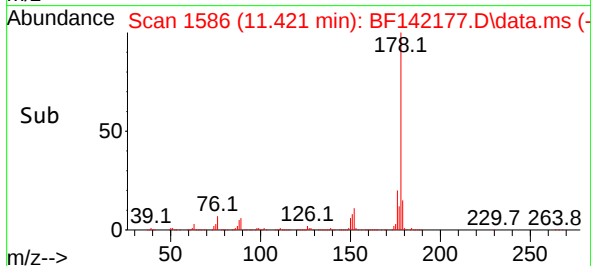
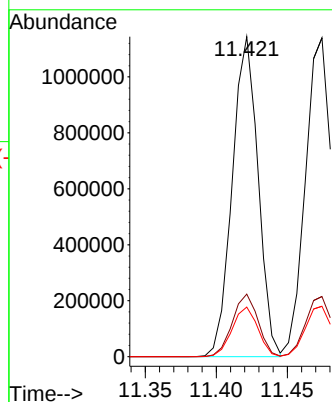
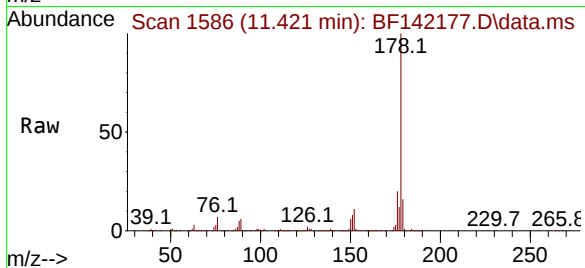
Tgt Ion:178 Resp: 1445434

Ion Ratio Lower Upper

178 100

176 19.5 15.8 23.8

179 15.5 12.6 19.0



#72

Anthracene

Concen: 52.622 ng

RT: 11.474 min Scan# 1595

Delta R.T. -0.006 min

Lab File: BF142177.D

Acq: 31 Mar 2025 13:22

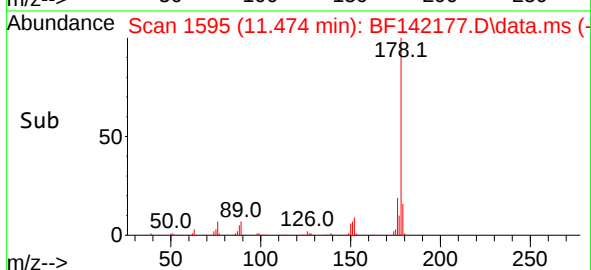
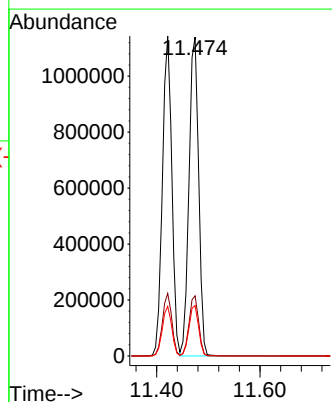
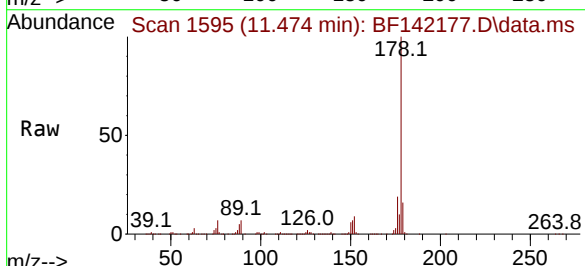
Tgt Ion:178 Resp: 1476065

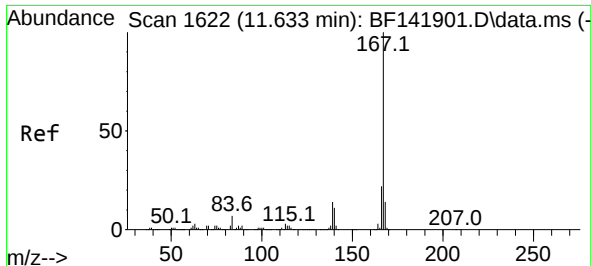
Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

179 15.8 12.6 19.0

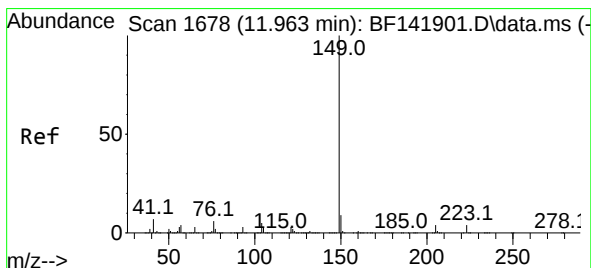
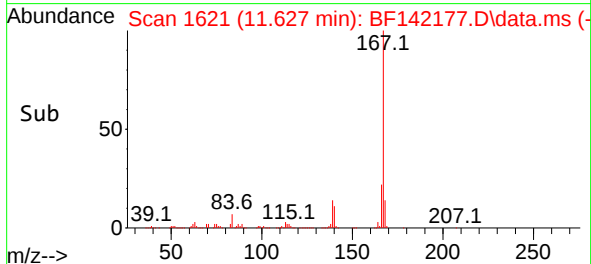
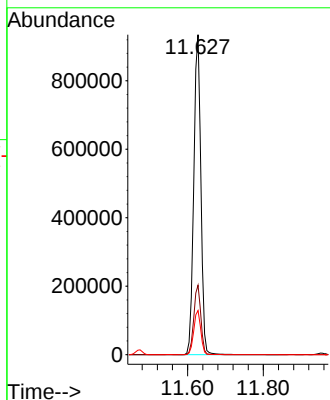
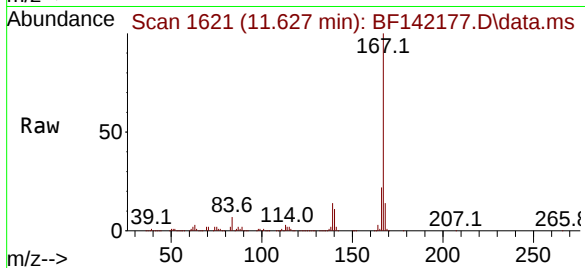




#73
 Carbazole
 Concen: 50.610 ng
 RT: 11.627 min Scan# 1621
 Delta R.T. -0.006 min
 Lab File: BF142177.D
 Acq: 31 Mar 2025 13:22

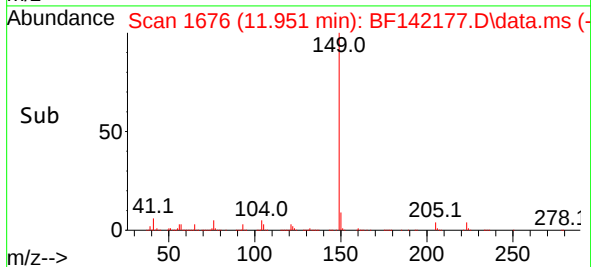
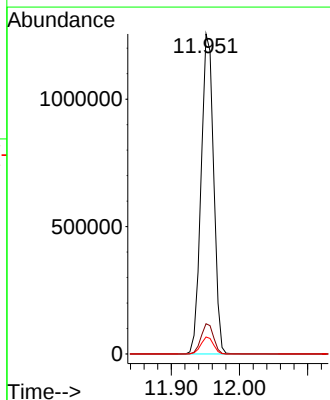
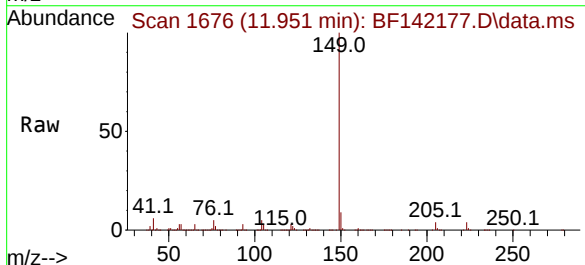
Instrument :
 BNA_F
 ClientSampleId :
 PB167369BS

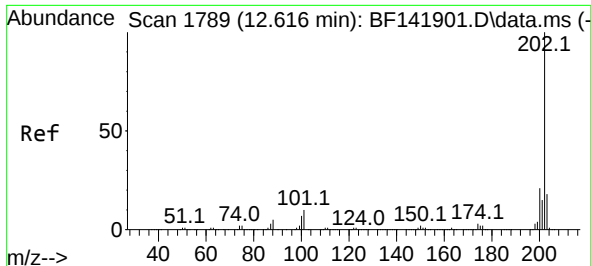
Tgt Ion:167 Resp: 1224318
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.4 26.2
 139 13.8 11.0 16.6



#74
 Di-n-butylphthalate
 Concen: 50.215 ng
 RT: 11.951 min Scan# 1676
 Delta R.T. -0.012 min
 Lab File: BF142177.D
 Acq: 31 Mar 2025 13:22

Tgt Ion:149 Resp: 1611821
 Ion Ratio Lower Upper
 149 100
 150 9.5 7.6 11.4
 104 5.3 4.4 6.6

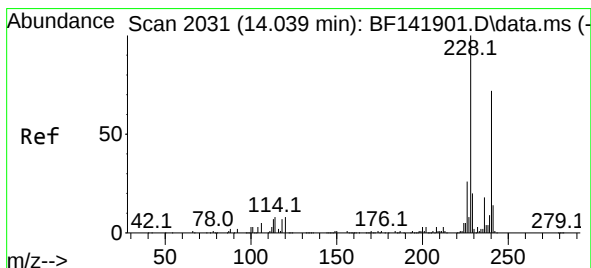
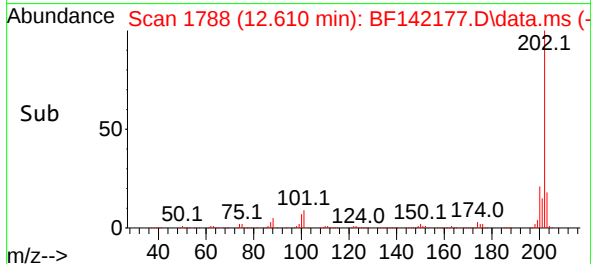
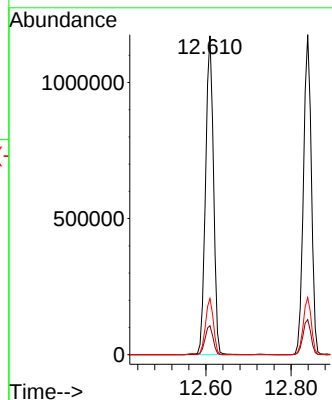
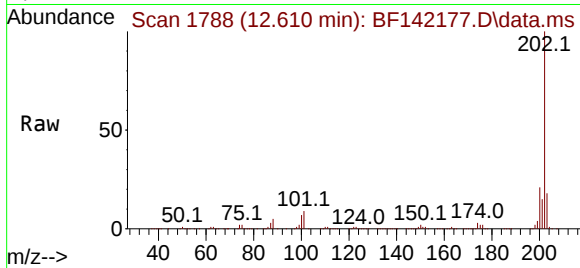




#75
Fluoranthene
Concen: 50.887 ng
RT: 12.610 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

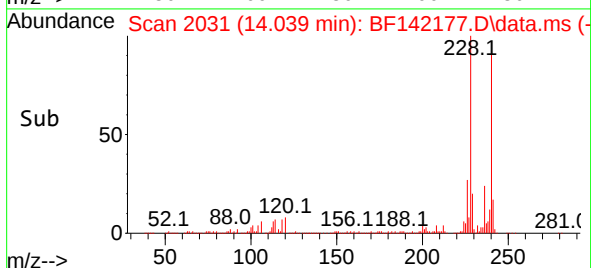
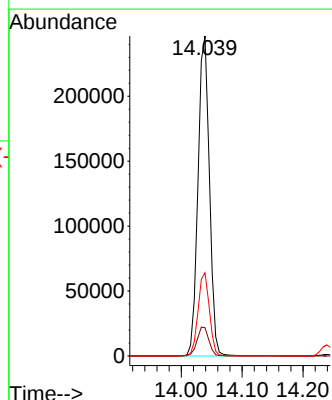
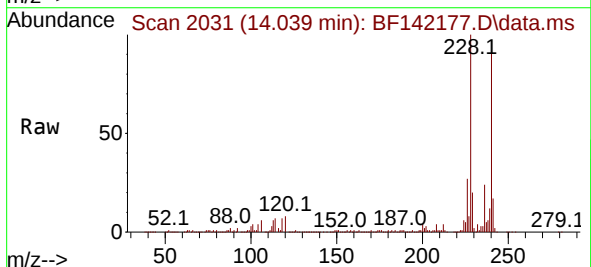
Instrument :
BNA_F
ClientSampleId :
PB167369BS

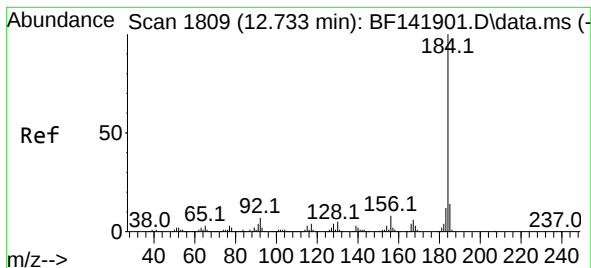
Tgt Ion:202 Resp: 1509227
Ion Ratio Lower Upper
202 100
101 9.1 0.0 29.7
203 17.6 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:240 Resp: 319787
Ion Ratio Lower Upper
240 100
120 8.9 8.4 12.6
236 26.0 20.5 30.7





#77

Benzidine

Concen: 85.958 ng

RT: 12.727 min Scan# 1808

Delta R.T. -0.006 min

Lab File: BF142177.D

Acq: 31 Mar 2025 13:22

Instrument :

BNA_F

ClientSampleId :

PB167369BS

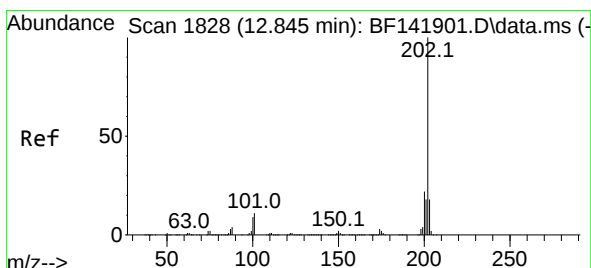
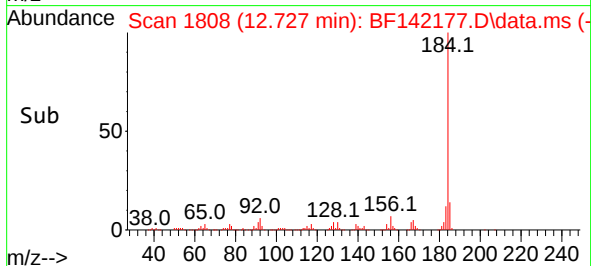
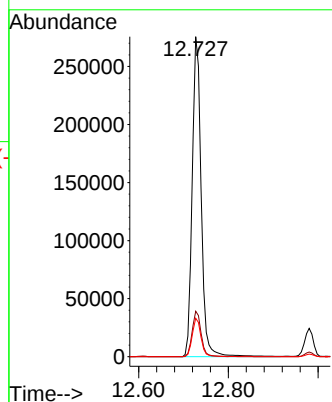
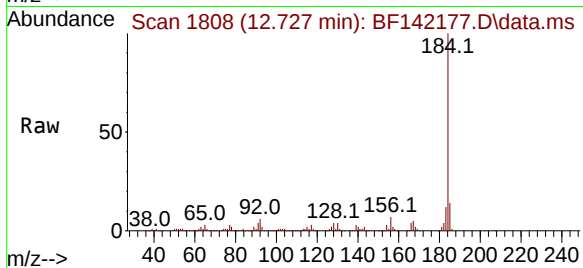
Tgt Ion:184 Resp: 383514

Ion Ratio Lower Upper

184 100

185 14.2 11.5 17.3

183 12.0 9.7 14.5



#78

Pyrene

Concen: 54.555 ng

RT: 12.839 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF142177.D

Acq: 31 Mar 2025 13:22

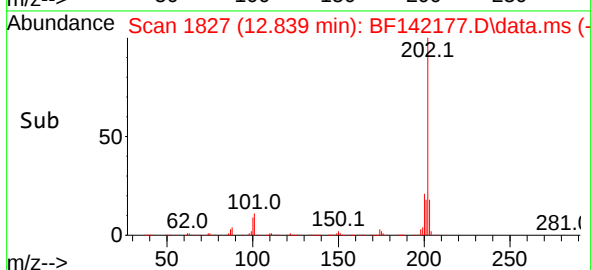
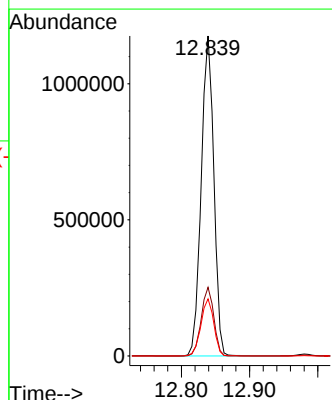
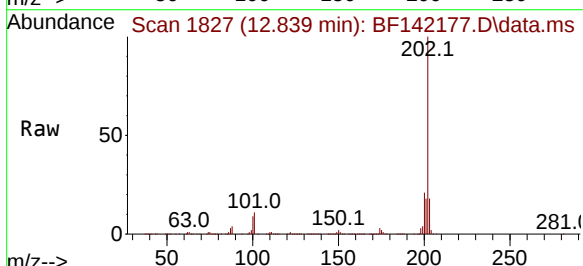
Tgt Ion:202 Resp: 1509100

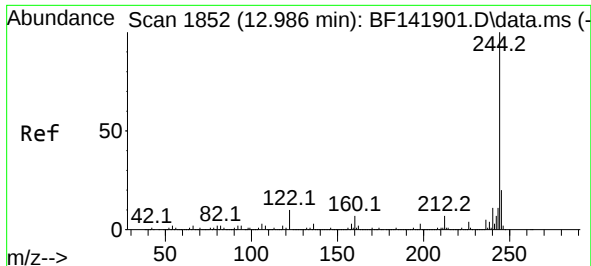
Ion Ratio Lower Upper

202 100

200 21.4 17.3 25.9

203 17.8 14.4 21.6

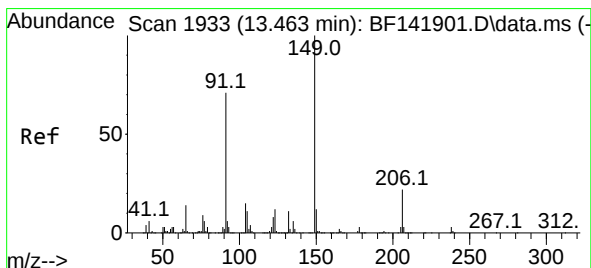
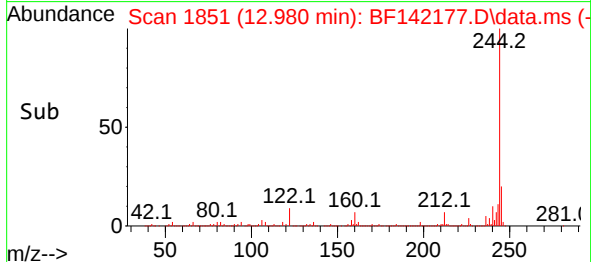
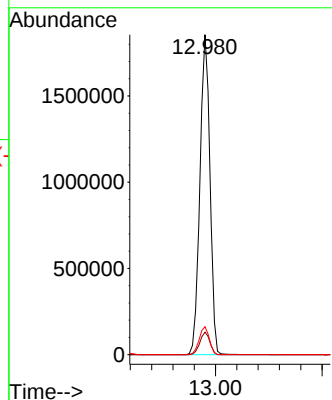
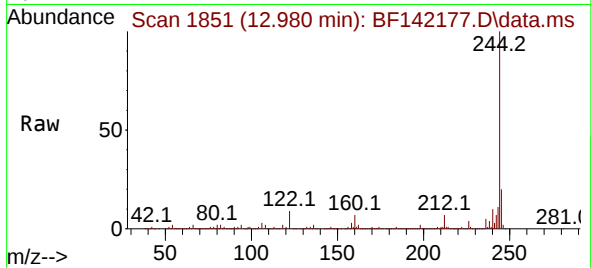




#79
 Terphenyl-d14
 Concen: 112.127 ng
 RT: 12.980 min Scan# 1852
 Delta R.T. -0.006 min
 Lab File: BF142177.D
 Acq: 31 Mar 2025 13:22

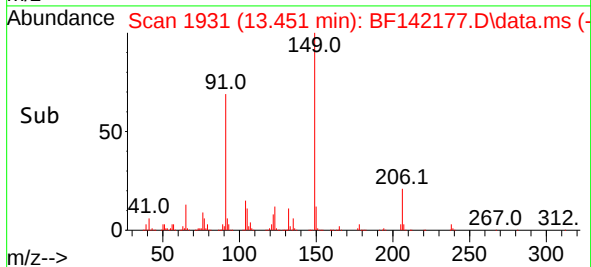
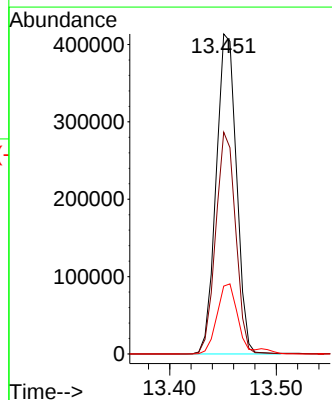
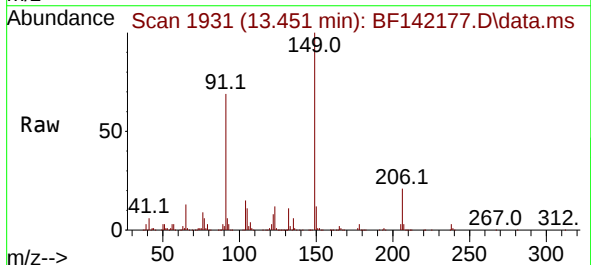
Instrument :
 BNA_F
 ClientSampleId :
 PB167369BS

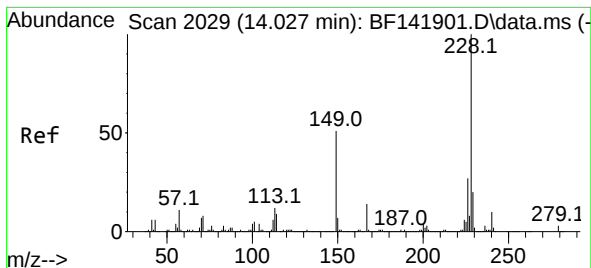
Tgt Ion:244 Resp: 2425298
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 8.7 7.7 11.5



#80
 Butylbenzylphthalate
 Concen: 50.573 ng
 RT: 13.451 min Scan# 1931
 Delta R.T. -0.012 min
 Lab File: BF142177.D
 Acq: 31 Mar 2025 13:22

Tgt Ion:149 Resp: 547547
 Ion Ratio Lower Upper
 149 100
 91 69.3 56.5 84.7
 206 21.2 17.3 25.9





#81

Benzo(a)anthracene

Concen: 53.292 ng

RT: 14.027 min Scan# 2029

Delta R.T. -0.000 min

Lab File: BF142177.D

Acq: 31 Mar 2025 13:22

Instrument :

BNA_F

ClientSampleId :

PB167369BS

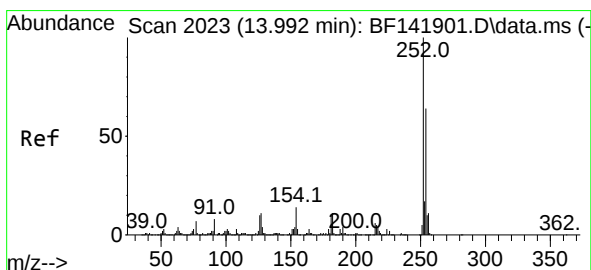
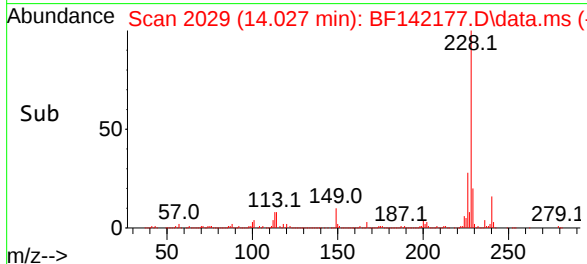
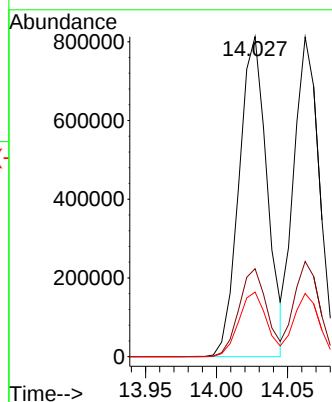
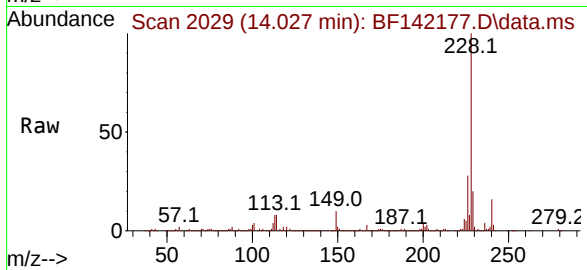
Tgt Ion:228 Resp: 1118309

Ion Ratio Lower Upper

228 100

226 27.5 21.8 32.8

229 20.2 16.0 24.0



#82

3,3'-Dichlorobenzidine

Concen: 9.661 ng

RT: 13.986 min Scan# 2022

Delta R.T. -0.006 min

Lab File: BF142177.D

Acq: 31 Mar 2025 13:22

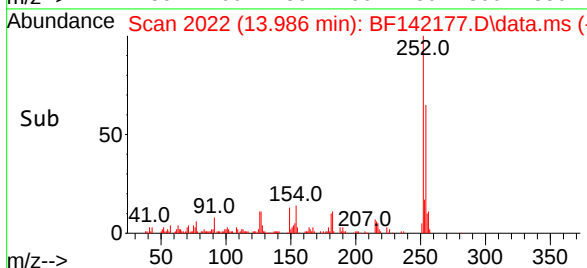
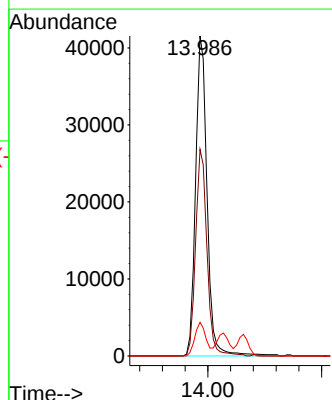
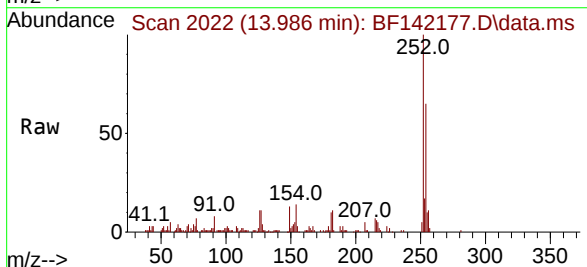
Tgt Ion:252 Resp: 58588

Ion Ratio Lower Upper

252 100

254 64.5 51.0 76.6

126 10.5 8.4 12.6





#83

Chrysene

Concen: 52.982 ng

RT: 14.062 min Scan# 2036

Delta R.T. -0.006 min

Lab File: BF142177.D

Acq: 31 Mar 2025 13:22

Instrument :

BNA_F

ClientSampleId :

PB167369BS

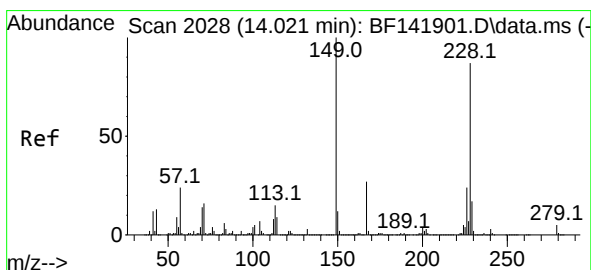
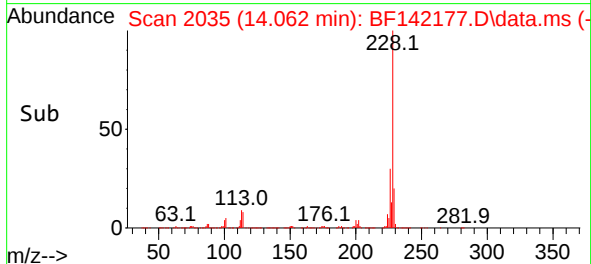
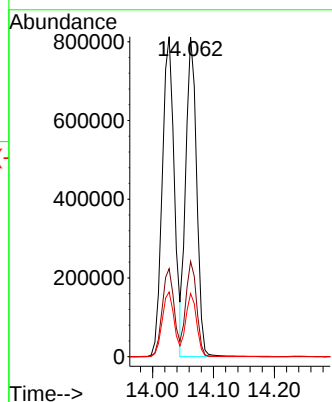
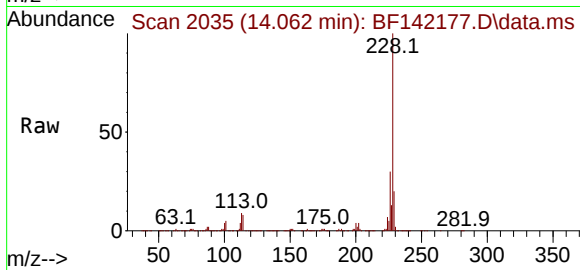
Tgt Ion:228 Resp: 1007817

Ion Ratio Lower Upper

228 100

226 29.8 24.1 36.1

229 19.8 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 48.258 ng

RT: 14.009 min Scan# 2026

Delta R.T. -0.012 min

Lab File: BF142177.D

Acq: 31 Mar 2025 13:22

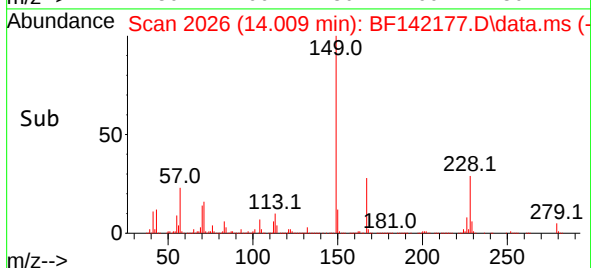
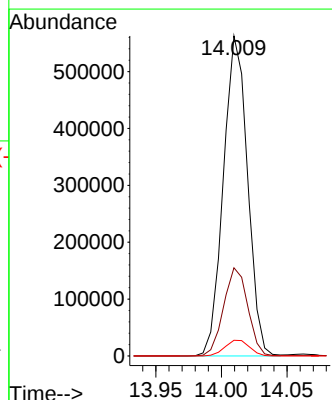
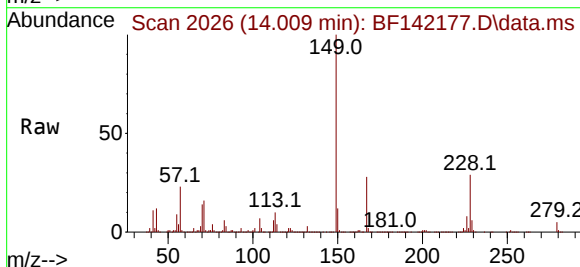
Tgt Ion:149 Resp: 720391

Ion Ratio Lower Upper

149 100

167 27.6 21.4 32.0

279 4.9 3.8 5.6





#85

Di-n-octyl phthalate

Concen: 52.280 ng

RT: 14.627 min Scan# 2131

Delta R.T. -0.006 min

Lab File: BF142177.D

Acq: 31 Mar 2025 13:22

Instrument :

BNA_F

ClientSampleId :

PB167369BS

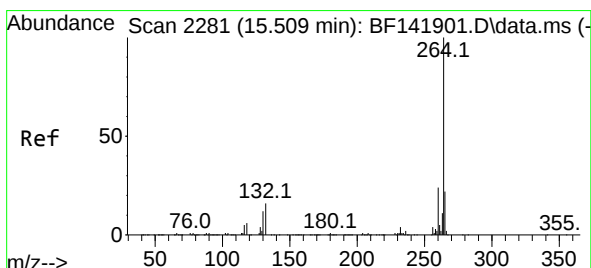
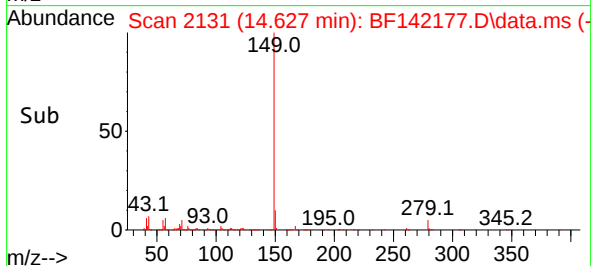
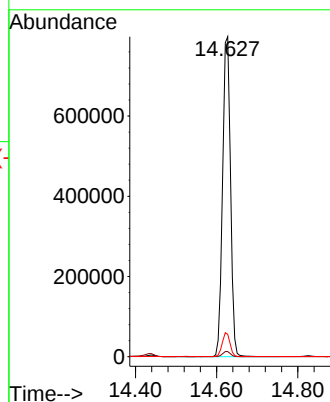
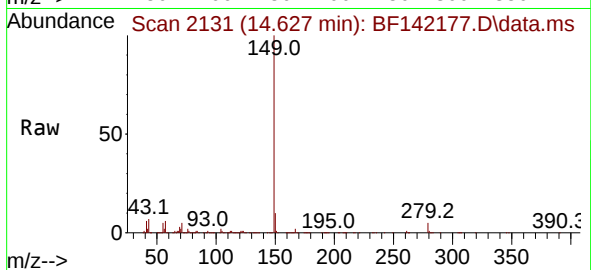
Tgt Ion:149 Resp: 1085911

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 7.3 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: BF142177.D

Acq: 31 Mar 2025 13:22

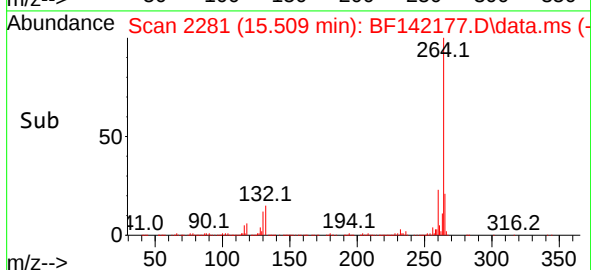
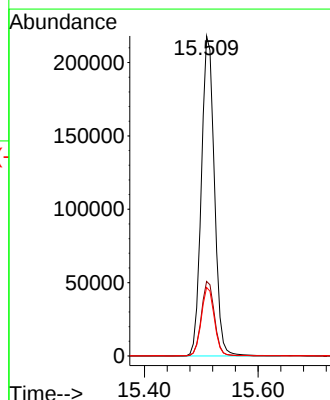
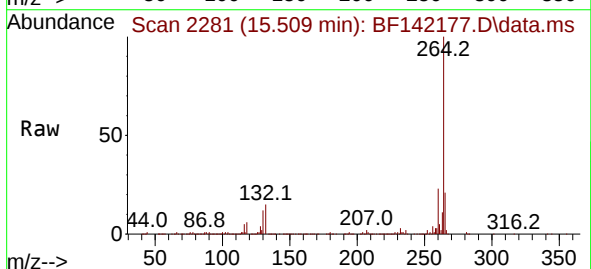
Tgt Ion:264 Resp: 347760

Ion Ratio Lower Upper

264 100

260 23.3 19.1 28.7

265 21.4 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 51.906 ng

RT: 17.009 min Scan# 2

Delta R.T. 0.012 min

Lab File: BF142177.D

Acq: 31 Mar 2025 13:22

Instrument :

BNA_F

ClientSampleId :

PB167369BS

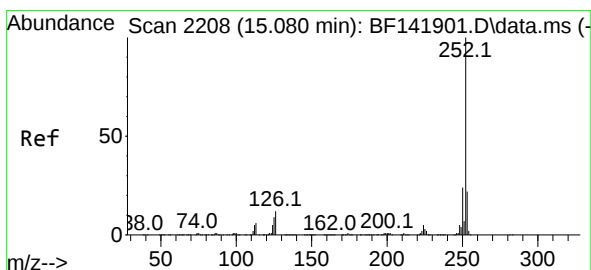
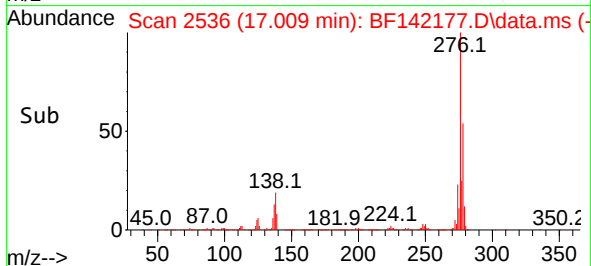
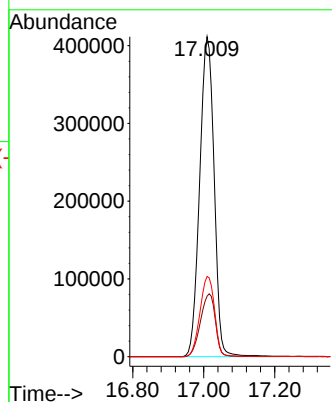
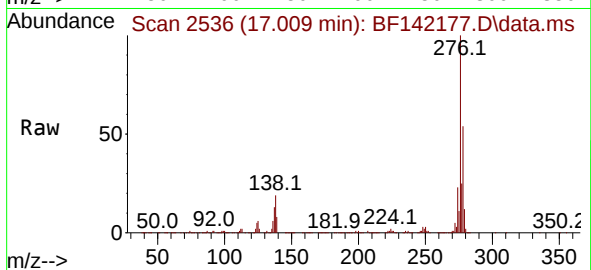
Tgt Ion:276 Resp: 1167687

Ion Ratio Lower Upper

276 100

138 20.3 18.4 27.6

277 25.5 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 47.816 ng

RT: 15.080 min Scan# 2208

Delta R.T. -0.000 min

Lab File: BF142177.D

Acq: 31 Mar 2025 13:22

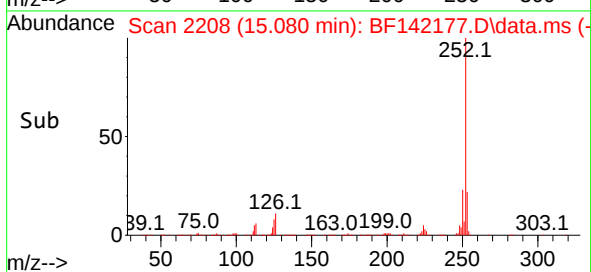
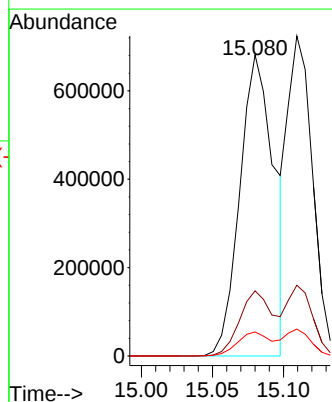
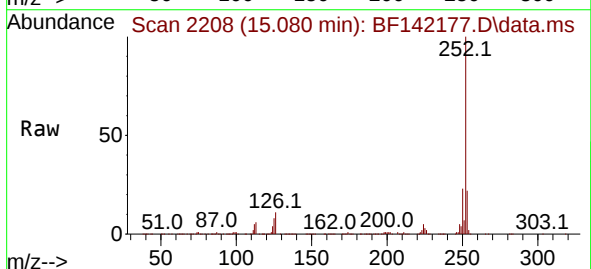
Tgt Ion:252 Resp: 1139652

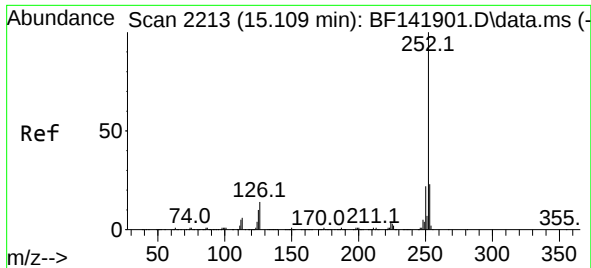
Ion Ratio Lower Upper

252 100

253 21.6 17.5 26.3

125 8.0 7.0 10.4

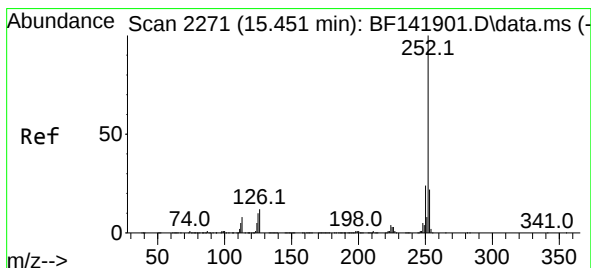
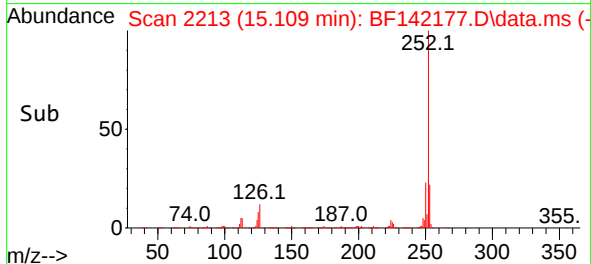
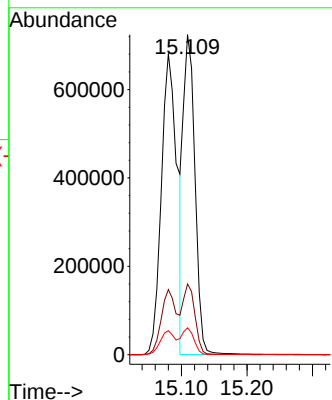
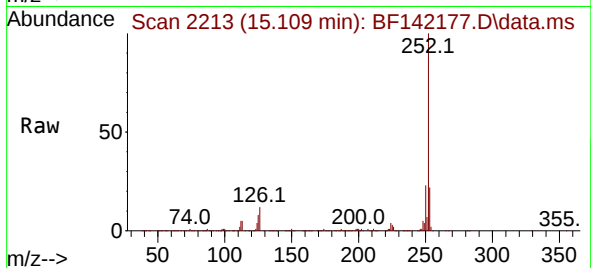




#89
Benzo(k)fluoranthene
Concen: 43.924 ng
RT: 15.109 min Scan# 2213
Delta R.T. -0.000 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

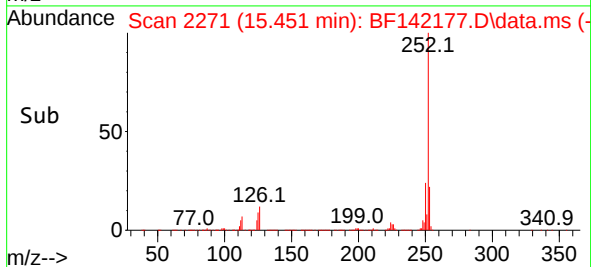
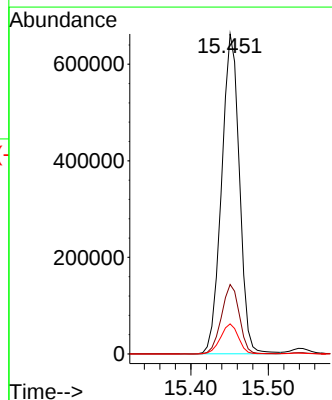
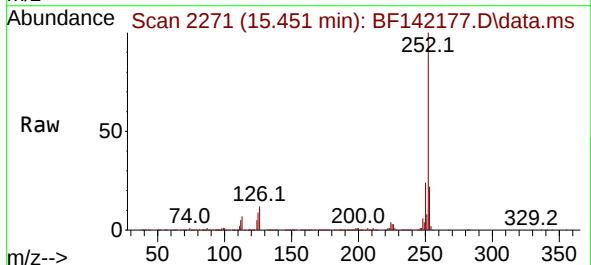
Instrument :
BNA_F
ClientSampleId :
PB167369BS

Tgt Ion:252 Resp: 895900
Ion Ratio Lower Upper
252 100
253 22.1 17.7 26.5
125 8.4 7.2 10.8



#90
Benzo(a)pyrene
Concen: 56.770 ng
RT: 15.451 min Scan# 2271
Delta R.T. -0.000 min
Lab File: BF142177.D
Acq: 31 Mar 2025 13:22

Tgt Ion:252 Resp: 1058724
Ion Ratio Lower Upper
252 100
253 21.7 17.4 26.0
125 9.4 7.8 11.8

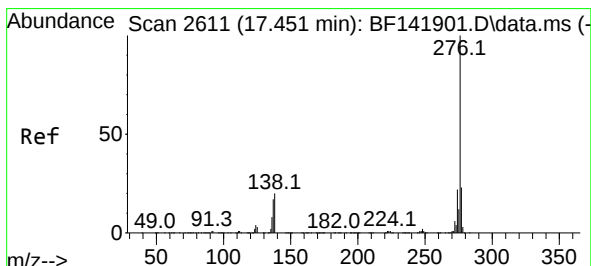
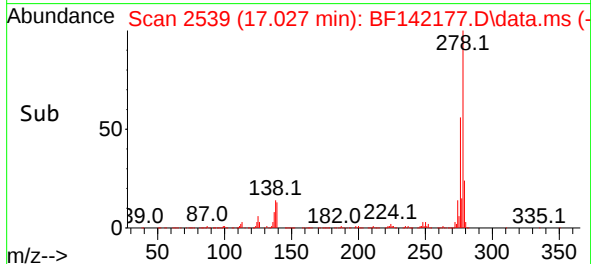
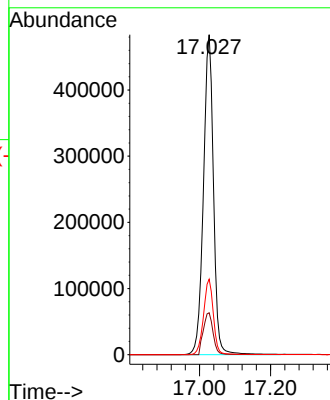
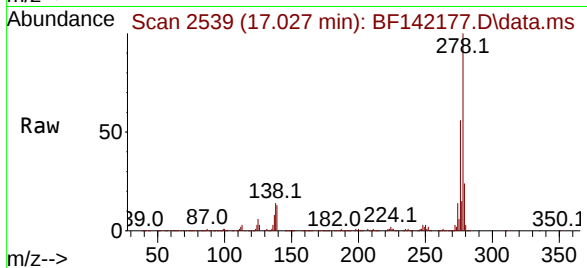




#91
 Dibenzo(a,h)anthracene
 Concen: 51.323 ng
 RT: 17.027 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF142177.D
 Acq: 31 Mar 2025 13:22

Instrument :
 BNA_F
 ClientSampleId :
 PB167369BS

Tgt Ion:278 Resp: 952603
 Ion Ratio Lower Upper
 278 100
 139 13.1 11.4 17.2
 279 23.6 18.8 28.2



#92
 Benzo(g,h,i)perylene
 Concen: 50.095 ng
 RT: 17.462 min Scan# 2613
 Delta R.T. 0.012 min
 Lab File: BF142177.D
 Acq: 31 Mar 2025 13:22

Tgt Ion:276 Resp: 918852
 Ion Ratio Lower Upper
 276 100
 277 23.5 18.7 28.1
 138 17.5 15.8 23.8

