

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032825\
 Data File : BF142154.D
 Acq On : 28 Mar 2025 12:02
 Operator : RC/JU
 Sample : PB167349BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB167349BS

Quant Time: Mar 28 12:30:03 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	135917	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	522245	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	326129	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	541194	20.000	ng	0.00
76) Chrysene-d12	14.039	240	339098	20.000	ng	0.00
86) Perylene-d12	15.515	264	340958	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1046363	128.486	ng	0.00
7) Phenol-d6	6.498	99	1306945	126.045	ng	0.00
23) Nitrobenzene-d5	7.433	82	855976	92.238	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	636883	153.934	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	1899544	88.580	ng	-0.01
79) Terphenyl-d14	12.980	244	2210262	96.367	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.710	88	126392	37.040	ng	97
3) Pyridine	3.469	79	344755	41.189	ng	98
4) n-Nitrosodimethylamine	3.422	42	160906	40.328	ng	93
6) Aniline	6.534	93	384589	37.599	ng	97
8) 2-Chlorophenol	6.657	128	450168	49.841	ng	97
9) Benzaldehyde	6.422	77	278104	47.957	ng	98
10) Phenol	6.516	94	510283	46.779	ng	97
11) bis(2-Chloroethyl)ether	6.604	93	374936	45.775	ng	98
12) 1,3-Dichlorobenzene	6.810	146	466779	47.869	ng	98
13) 1,4-Dichlorobenzene	6.886	146	469926	47.630	ng	99
14) 1,2-Dichlorobenzene	7.039	146	451904	48.629	ng	98
15) Benzyl Alcohol	7.010	79	390226	46.552	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.145	45	402222	40.675	ng	96
17) 2-Methylphenol	7.122	107	354691	49.390	ng	99
18) Hexachloroethane	7.381	117	174610	47.196	ng	97
19) n-Nitroso-di-n-propyla...	7.286	70	290082	43.539	ng	98
20) 3+4-Methylphenols	7.275	107	447654	48.666	ng	# 89
22) Acetophenone	7.281	105	590005	47.176	ng	97
24) Nitrobenzene	7.457	77	445293	48.268	ng	97
25) Isophorone	7.692	82	817988	49.865	ng	100
26) 2-Nitrophenol	7.769	139	246539	54.449	ng	98
27) 2,4-Dimethylphenol	7.804	122	415305	66.612	ng	100
28) bis(2-Chloroethoxy)met...	7.904	93	491701	47.790	ng	99
29) 2,4-Dichlorophenol	8.010	162	375312	48.498	ng	99
30) 1,2,4-Trichlorobenzene	8.092	180	408068	47.849	ng	98
31) Naphthalene	8.175	128	1228587	45.797	ng	100
32) Benzoic acid	7.928	122	293628	53.577	ng	95
33) 4-Chloroaniline	8.222	127	91292	9.640	ng	96
34) Hexachlorobutadiene	8.292	225	271849	48.878	ng	98
35) Caprolactam	8.598	113	83784	35.511	ng	87
36) 4-Chloro-3-methylphenol	8.704	107	442122	51.215	ng	98
37) 2-Methylnaphthalene	8.869	142	773861	43.157	ng	100
38) 1-Methylnaphthalene	8.969	142	827121	47.801	ng	99
40) 1,2,4,5-Tetrachloroben...	9.033	216	458117	46.138	ng	98
41) Hexachlorocyclopentadiene	9.022	237	621272	159.877	ng	99
43) 2,4,6-Trichlorophenol	9.145	196	312066	48.090	ng	99

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	333977	50.816	ng	97
46) 1,1'-Biphenyl	9.333	154	1136844	45.878	ng	99
47) 2-Chloronaphthalene	9.357	162	856757	46.388	ng	98
48) 2-Nitroaniline	9.451	65	241595	45.177	ng	97
49) Acenaphthylene	9.774	152	1377270	50.250	ng	100
50) Dimethylphthalate	9.633	163	1094785	47.937	ng	100
51) 2,6-Dinitrotoluene	9.698	165	240638	50.606	ng	90
52) Acenaphthene	9.945	154	1010352	52.455	ng	99
53) 3-Nitroaniline	9.863	138	96585	20.024	ng	98
54) 2,4-Dinitrophenol	9.975	184	283837	102.999	ng	# 43
55) Dibenzofuran	10.116	168	1180660	42.899	ng	99
56) 4-Nitrophenol	10.027	139	373120	102.577	ng	94
57) 2,4-Dinitrotoluene	10.104	165	318259	51.244	ng	99
58) Fluorene	10.463	166	1010330	47.603	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	284936	47.644	ng	96
60) Diethylphthalate	10.333	149	999734	43.901	ng	99
61) 4-Chlorophenyl-phenyle...	10.451	204	526088	47.544	ng	97
62) 4-Nitroaniline	10.480	138	230108	49.002	ng	97
63) Azobenzene	10.610	77	928430	43.852	ng	97
65) 4,6-Dinitro-2-methylph...	10.510	198	193669	60.028	ng	94
66) n-Nitrosodiphenylamine	10.569	169	897261	51.233	ng	100
67) 4-Bromophenyl-phenylether	10.939	248	326312	48.010	ng	99
68) Hexachlorobenzene	11.010	284	383548	51.452	ng	95
69) Atrazine	11.098	200	312180	58.146	ng	98
70) Pentachlorophenol	11.204	266	444946	96.876	ng	100
71) Phenanthrene	11.421	178	1428498	48.868	ng	99
72) Anthracene	11.474	178	1480773	50.492	ng	100
73) Carbazole	11.627	167	1234919	48.827	ng	100
74) Di-n-butylphthalate	11.957	149	1550019	46.187	ng	100
75) Fluoranthene	12.610	202	1453458	46.874	ng	100
77) Benzidine	12.733	184	444068	93.862	ng	100
78) Pyrene	12.839	202	1419919	48.408	ng	100
80) Butylbenzylphthalate	13.457	149	537240	46.795	ng	97
81) Benzo(a)anthracene	14.027	228	1079150	48.497	ng	100
82) 3,3'-Dichlorobenzidine	13.986	252	118926	18.494	ng	99
83) Chrysene	14.062	228	1002295	49.691	ng	100
84) Bis(2-ethylhexyl)phtha...	14.010	149	719866	45.476	ng	100
85) Di-n-octyl phthalate	14.627	149	1088094	49.402	ng	97
87) Indeno(1,2,3-cd)pyrene	17.009	276	960527	43.549	ng	97
88) Benzo(b)fluoranthene	15.080	252	1081421	46.278	ng	100
89) Benzo(k)fluoranthene	15.109	252	910352	45.523	ng	99
90) Benzo(a)pyrene	15.451	252	945725	51.723	ng	100
91) Dibenzo(a,h)anthracene	17.027	278	778712	42.791	ng	98
92) Benzo(g,h,i)perylene	17.456	276	740111	41.156	ng	98

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

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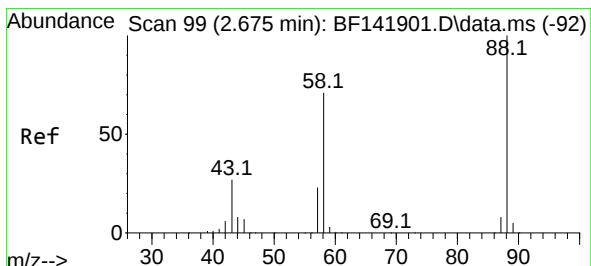
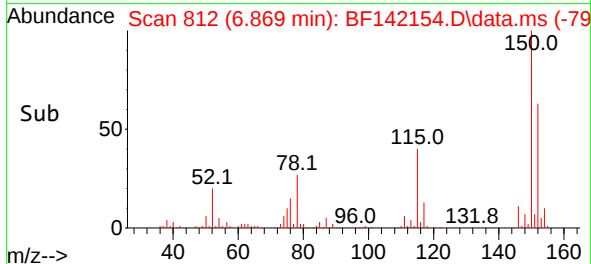
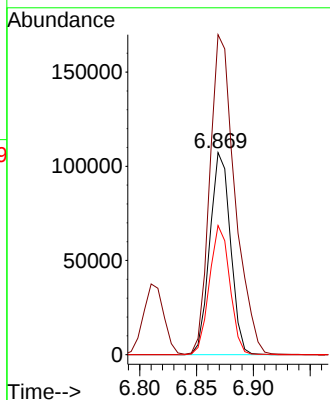
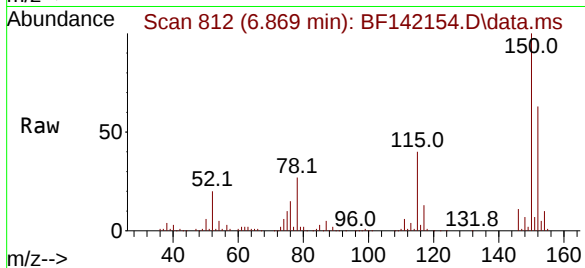




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.869 min Scan# 814
 Delta R.T. -0.012 min
 Lab File: BF142154.D
 Acq: 28 Mar 2025 12:02

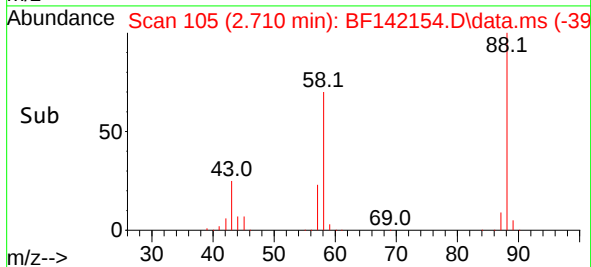
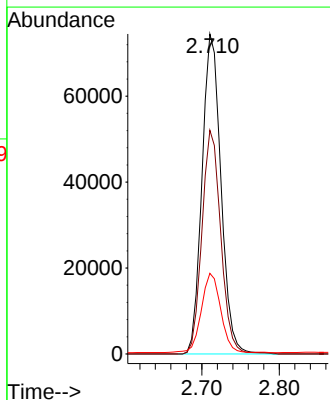
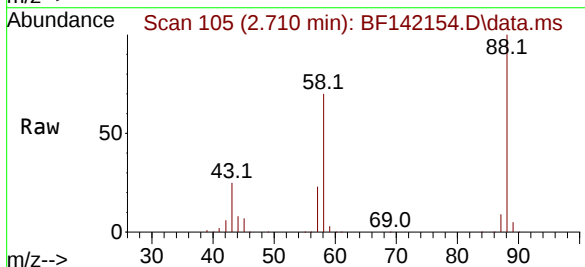
Instrument :
 BNA_F
 ClientSampleId :
 PB167349BS

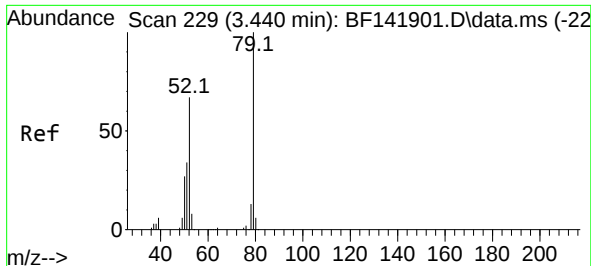
Tgt Ion:152 Resp: 135917
 Ion Ratio Lower Upper
 152 100
 150 158.3 127.4 191.2
 115 63.9 51.9 77.9



#2
 1,4-Dioxane
 Concen: 37.040 ng
 RT: 2.710 min Scan# 105
 Delta R.T. 0.035 min
 Lab File: BF142154.D
 Acq: 28 Mar 2025 12:02

Tgt Ion: 88 Resp: 126392
 Ion Ratio Lower Upper
 88 100
 58 69.5 57.4 86.2
 43 25.1 21.5 32.3





#3

Pyridine

Concen: 41.189 ng

RT: 3.469 min Scan# 21

Delta R.T. 0.029 min

Lab File: BF142154.D

Acq: 28 Mar 2025 12:02

Instrument :

BNA_F

ClientSampleId :

PB167349BS

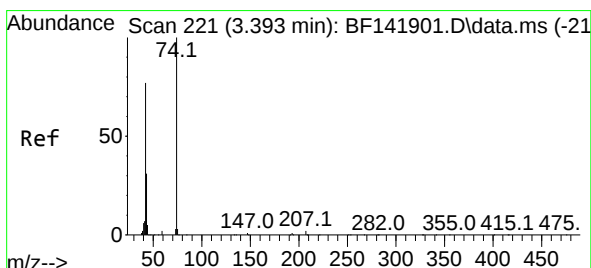
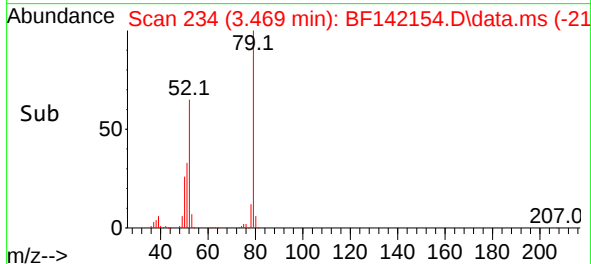
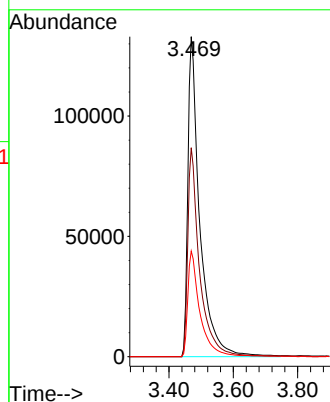
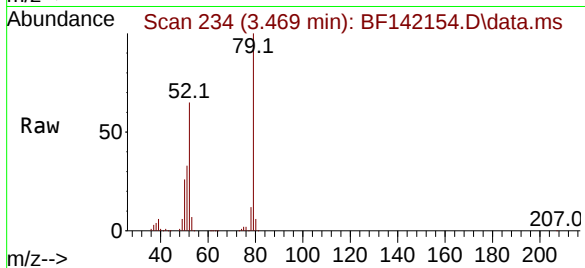
Tgt Ion: 79 Resp: 344755

Ion Ratio Lower Upper

79 100

52 65.3 53.3 79.9

51 33.0 27.6 41.4



#4

n-Nitrosodimethylamine

Concen: 40.328 ng

RT: 3.422 min Scan# 226

Delta R.T. 0.029 min

Lab File: BF142154.D

Acq: 28 Mar 2025 12:02

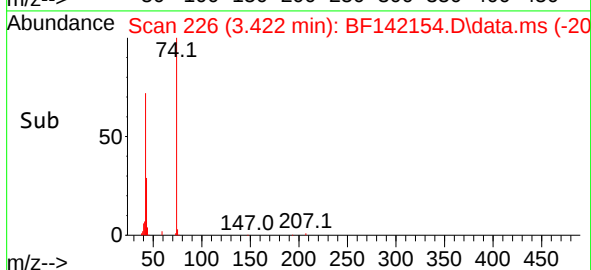
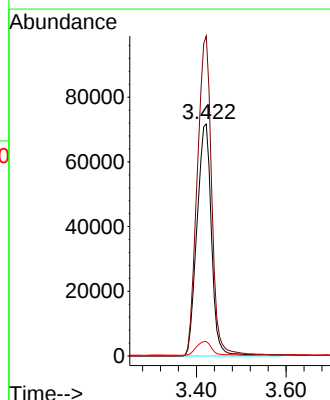
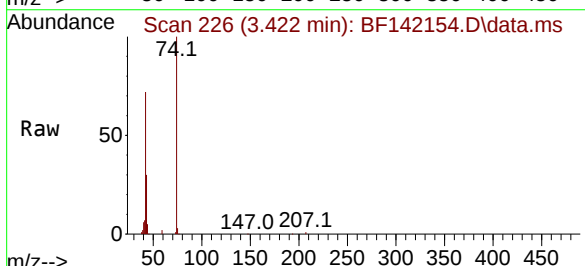
Tgt Ion: 42 Resp: 160906

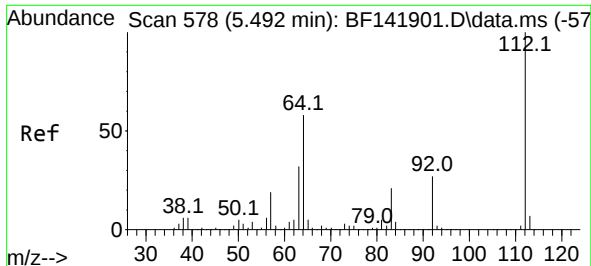
Ion Ratio Lower Upper

42 100

74 138.0 103.4 155.0

44 6.2 5.0 7.4

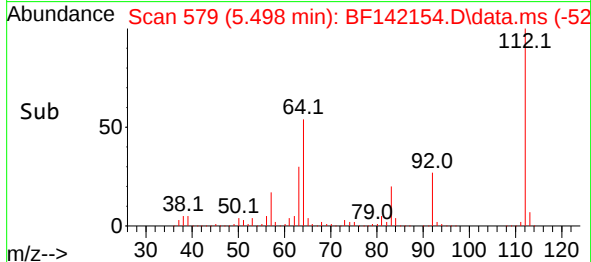
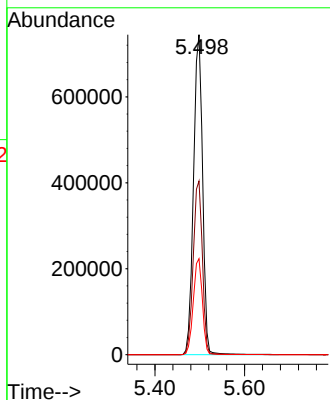
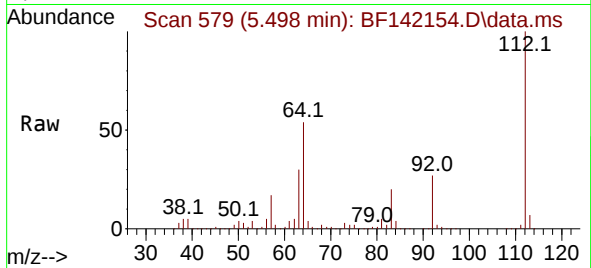




#5
2-Fluorophenol
Concen: 128.486 ng
RT: 5.498 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF142154.D
Acq: 28 Mar 2025 12:02

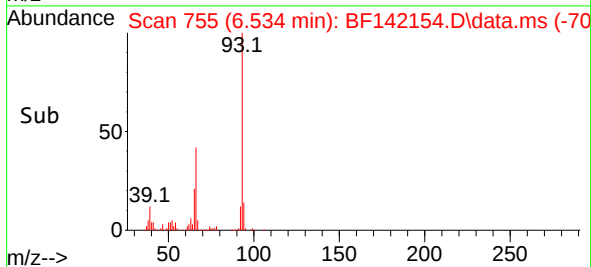
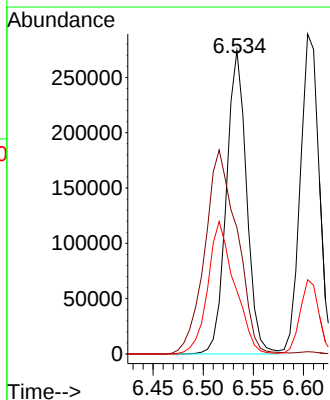
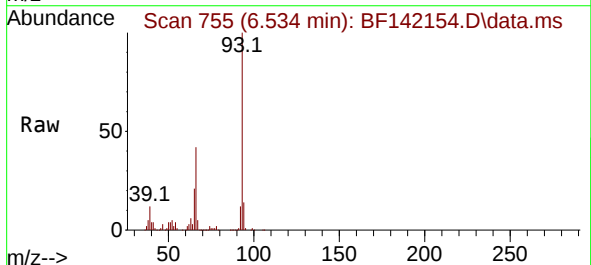
Instrument :
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Tgt Ion:112 Resp: 1046363
Ion Ratio Lower Upper
112 100
64 54.3 46.5 69.7
63 30.0 25.4 38.2



#6
Aniline
Concen: 37.599 ng
RT: 6.534 min Scan# 755
Delta R.T. -0.012 min
Lab File: BF142154.D
Acq: 28 Mar 2025 12:02

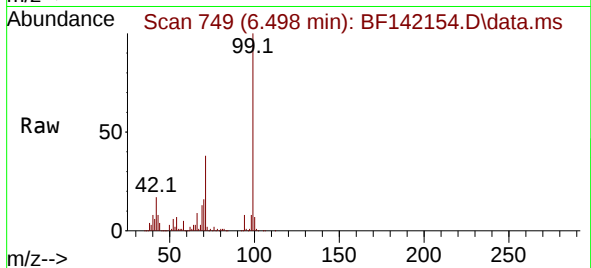
Tgt Ion: 93 Resp: 384589
Ion Ratio Lower Upper
93 100
66 41.7 31.9 47.9
65 20.8 15.8 23.6





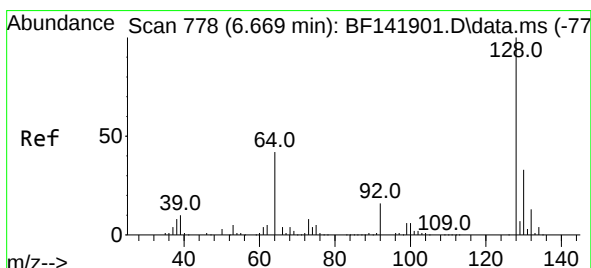
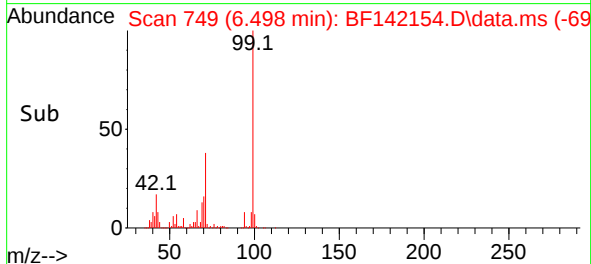
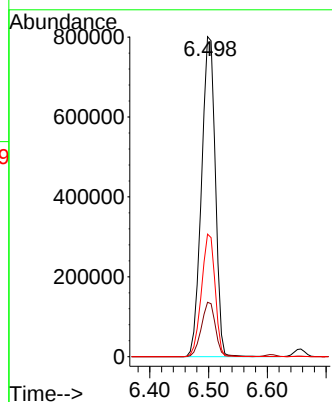
#7
Phenol-d6
Concen: 126.045 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF142154.D
Acq: 28 Mar 2025 12:02

Instrument :
BNA_F
ClientSampleId :
PB167349BS



Tgt Ion: 99 Resp: 1306945

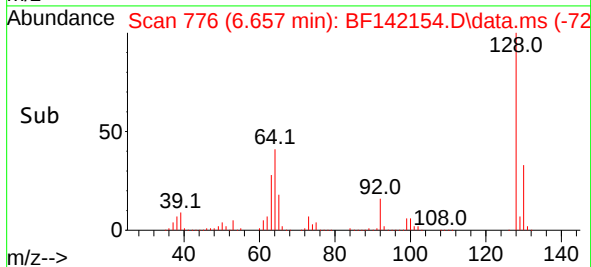
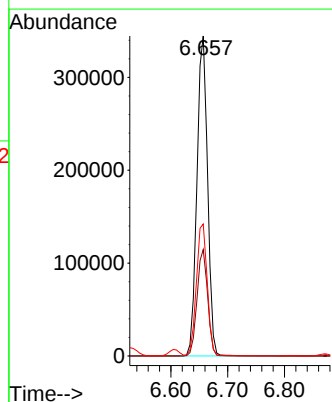
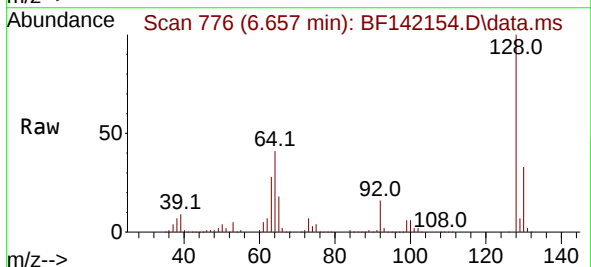
Ion	Ratio	Lower	Upper
99	100		
42	17.0	14.6	21.8
71	38.3	30.8	46.2



#8
2-Chlorophenol
Concen: 49.841 ng
RT: 6.657 min Scan# 776
Delta R.T. -0.012 min
Lab File: BF142154.D
Acq: 28 Mar 2025 12:02

Tgt Ion:128 Resp: 450168

Ion	Ratio	Lower	Upper
128	100		
130	33.3	12.8	52.8
64	41.2	24.4	64.4

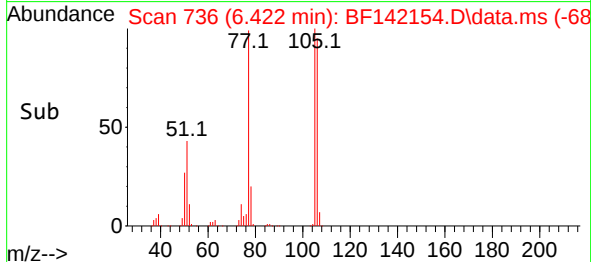
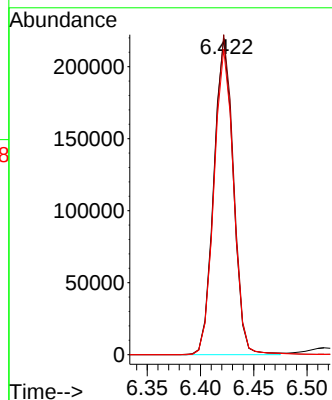
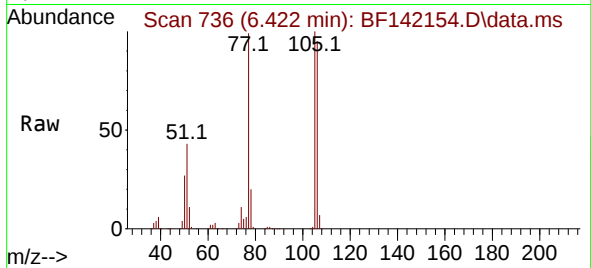




#9
Benzaldehyde
Concen: 47.957 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142154.D
Acq: 28 Mar 2025 12:02

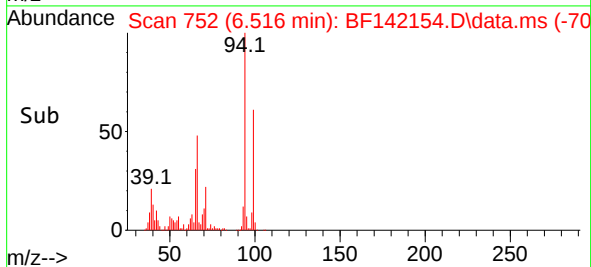
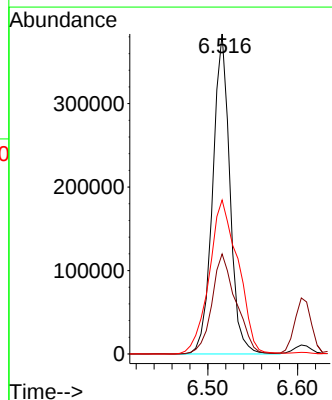
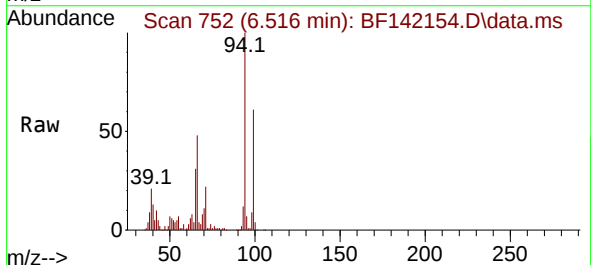
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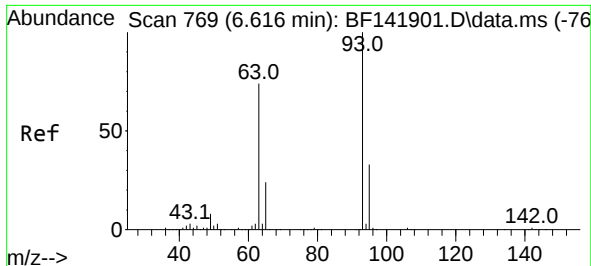
Tgt Ion: 77 Resp: 278104
Ion Ratio Lower Upper
77 100
105 101.1 80.0 120.0
106 96.5 74.5 114.5



#10
Phenol
Concen: 46.779 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF142154.D
Acq: 28 Mar 2025 12:02

Tgt Ion: 94 Resp: 510283
Ion Ratio Lower Upper
94 100
65 31.3 10.5 50.5
66 48.1 25.8 65.8





#11

bis(2-Chloroethyl)ether

Concen: 45.775 ng

RT: 6.604 min Scan# 70

Delta R.T. -0.012 min

Lab File: BF142154.D

Acq: 28 Mar 2025 12:02

Instrument :

BNA_F

ClientSampleId :

PB167349BS

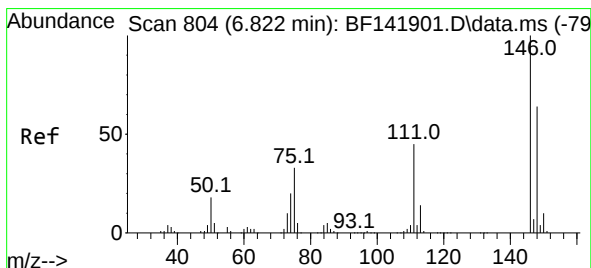
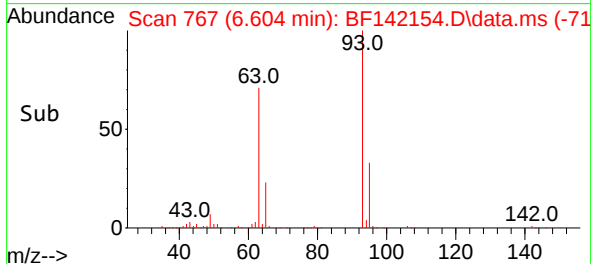
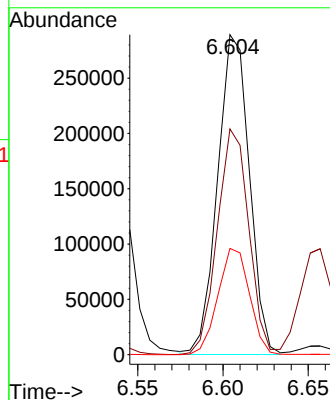
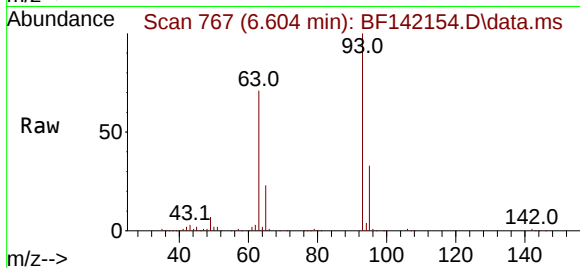
Tgt Ion: 93 Resp: 374936

Ion Ratio Lower Upper

93 100

63 70.5 53.0 93.0

95 33.2 12.9 52.9



#12

1,3-Dichlorobenzene

Concen: 47.869 ng

RT: 6.810 min Scan# 802

Delta R.T. -0.012 min

Lab File: BF142154.D

Acq: 28 Mar 2025 12:02

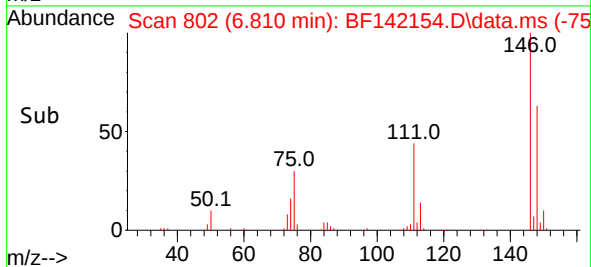
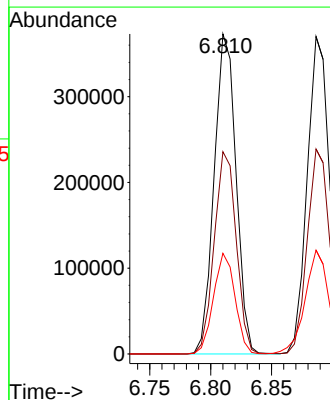
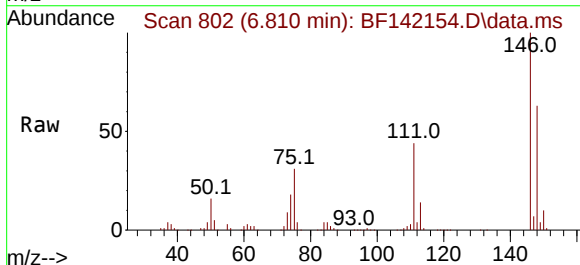
Tgt Ion: 146 Resp: 466779

Ion Ratio Lower Upper

146 100

148 63.2 51.3 76.9

75 31.4 26.6 40.0

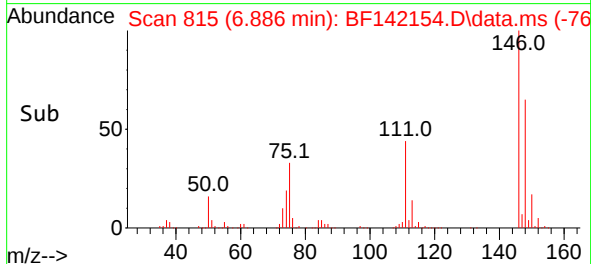
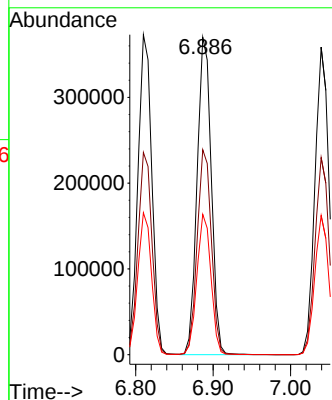
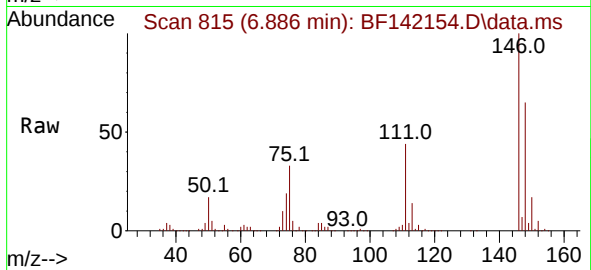




#13
1,4-Dichlorobenzene
Concen: 47.630 ng
RT: 6.886 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF142154.D
Acq: 28 Mar 2025 12:02

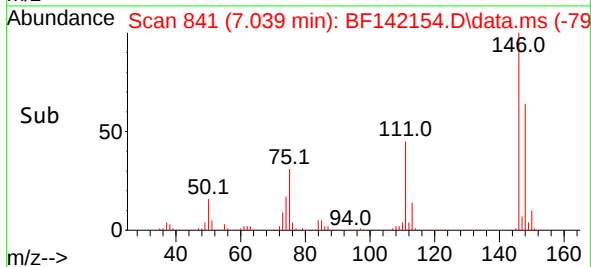
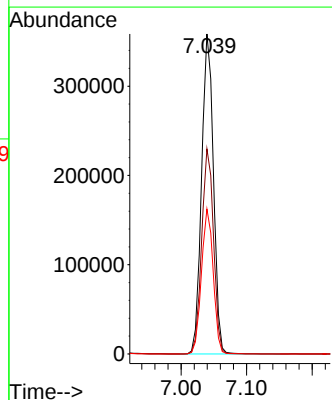
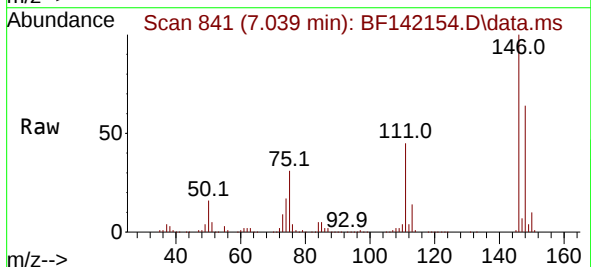
Instrument :
BNA_F
ClientSampleId :
PB167349BS

Tgt Ion:146 Resp: 469926
Ion Ratio Lower Upper
146 100
148 64.5 51.0 76.6
111 44.2 35.7 53.5



#14
1,2-Dichlorobenzene
Concen: 48.629 ng
RT: 7.039 min Scan# 841
Delta R.T. -0.012 min
Lab File: BF142154.D
Acq: 28 Mar 2025 12:02

Tgt Ion:146 Resp: 451904
Ion Ratio Lower Upper
146 100
148 64.1 50.8 76.2
111 45.3 38.0 57.0





#15

Benzyl Alcohol

Concen: 46.552 ng

RT: 7.010 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF142154.D

Acq: 28 Mar 2025 12:02

Instrument :

BNA_F

ClientSampleId :

PB167349BS

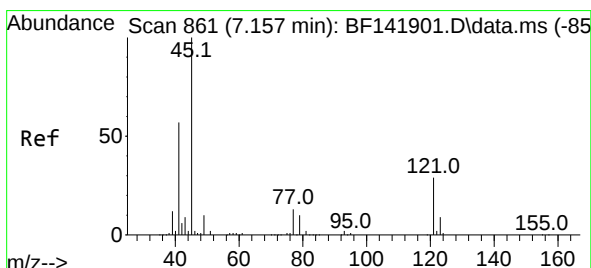
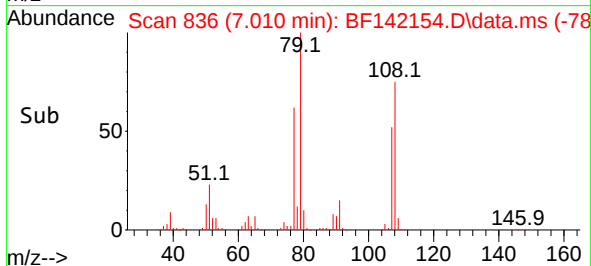
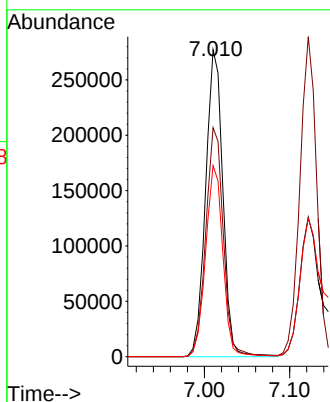
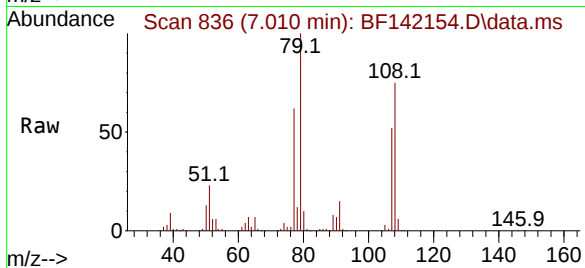
Tgt Ion: 79 Resp: 390226

Ion Ratio Lower Upper

79 100

108 74.5 59.7 89.5

77 62.2 51.0 76.6



#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.675 ng

RT: 7.145 min Scan# 859

Delta R.T. -0.012 min

Lab File: BF142154.D

Acq: 28 Mar 2025 12:02

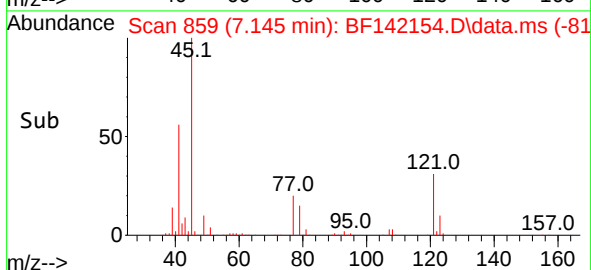
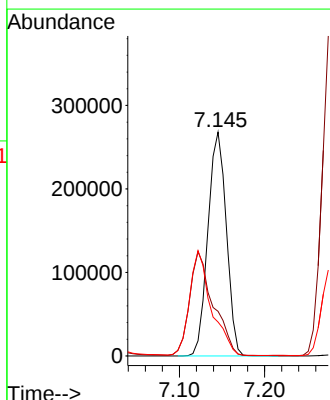
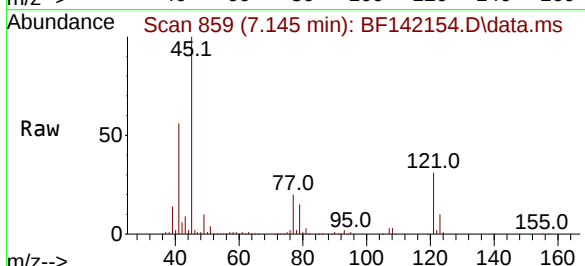
Tgt Ion: 45 Resp: 402222

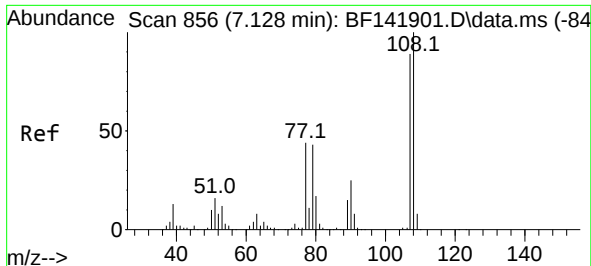
Ion Ratio Lower Upper

45 100

77 19.9 0.0 37.8

79 15.2 0.0 34.2

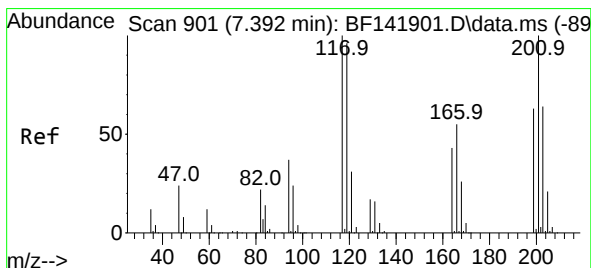
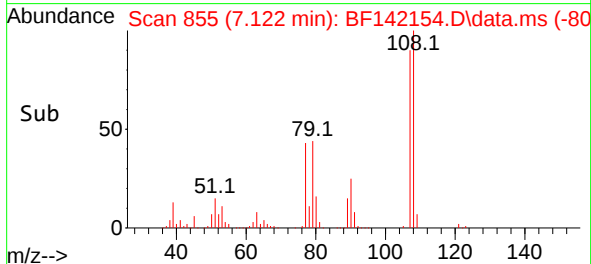
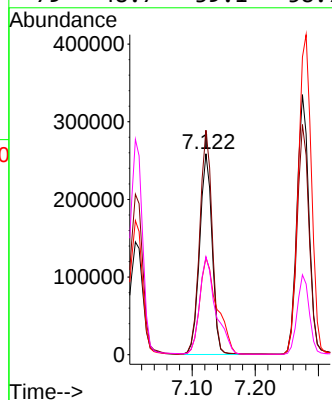
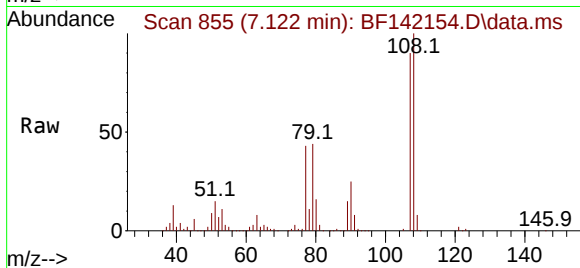




#17
2-Methylphenol
Concen: 49.390 ng
RT: 7.122 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF142154.D
Acq: 28 Mar 2025 12:02

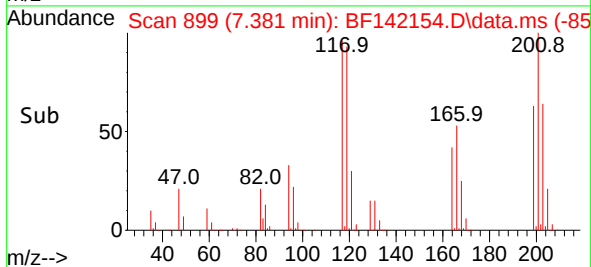
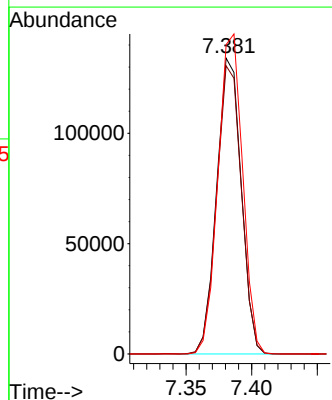
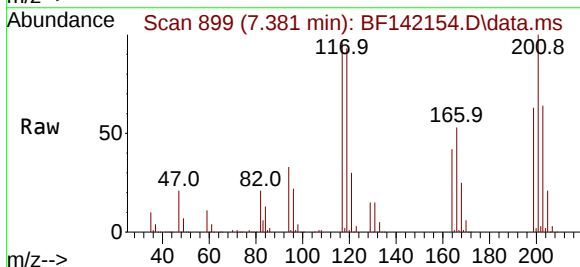
Instrument :
BNA_F
ClientSampleId :
PB167349BS

Tgt Ion:	107	Resp:	354691
Ion	Ratio	Lower	Upper
107	100		
108	111.7	90.2	135.2
77	48.3	39.6	59.4
79	48.7	39.1	58.7



#18
Hexachloroethane
Concen: 47.196 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF142154.D
Acq: 28 Mar 2025 12:02

Tgt Ion:	117	Resp:	174610
Ion	Ratio	Lower	Upper
117	100		
119	97.4	76.9	115.3
201	104.5	79.9	119.9

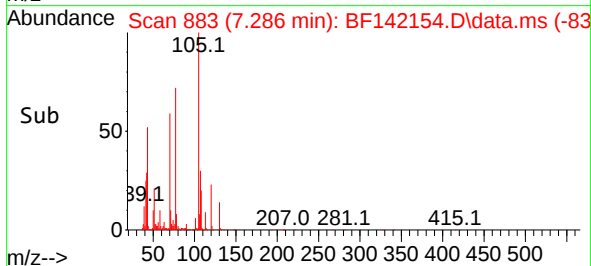
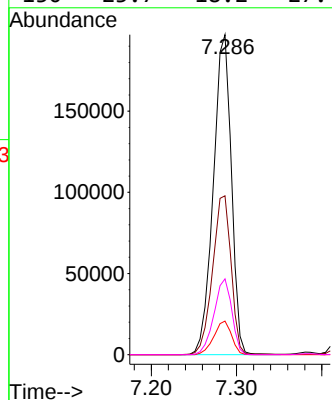
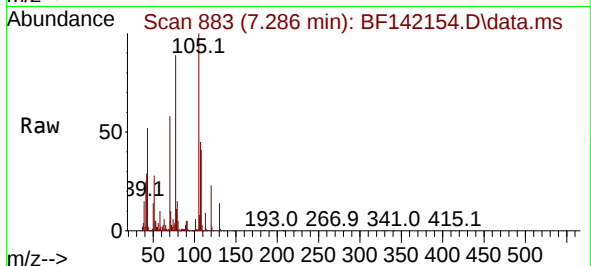




#19
n-Nitroso-di-n-propylamine
Concen: 43.539 ng
RT: 7.286 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF142154.D
Acq: 28 Mar 2025 12:02

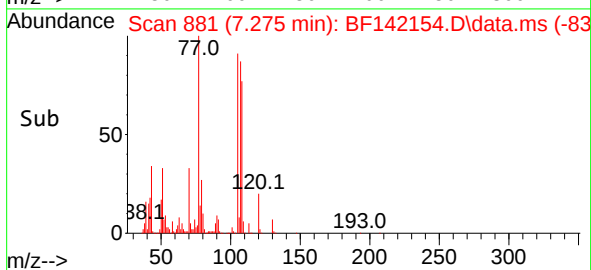
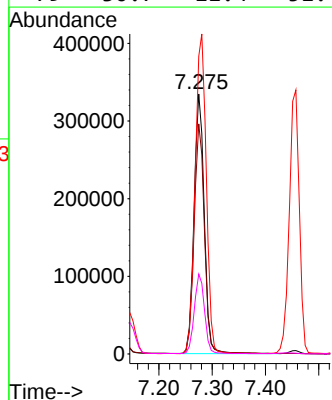
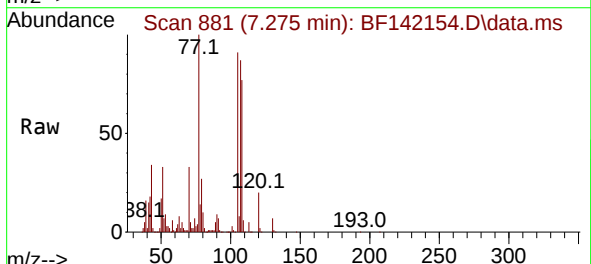
Instrument :
BNA_F
ClientSampleId :
PB167349BS

Tgt Ion: 70 Resp: 290082
Ion Ratio Lower Upper
70 100
42 49.7 41.4 62.0
101 10.5 8.2 12.2
130 23.7 18.2 27.4



#20
3+4-Methylphenols
Concen: 48.666 ng
RT: 7.275 min Scan# 881
Delta R.T. -0.006 min
Lab File: BF142154.D
Acq: 28 Mar 2025 12:02

Tgt Ion:107 Resp: 447654
Ion Ratio Lower Upper
107 100
108 88.5 68.4 108.4
77 114.4 69.7 109.7#
79 30.7 11.4 51.4



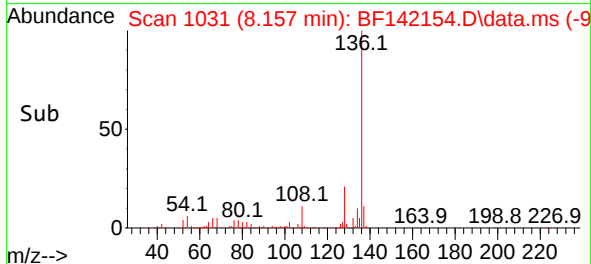
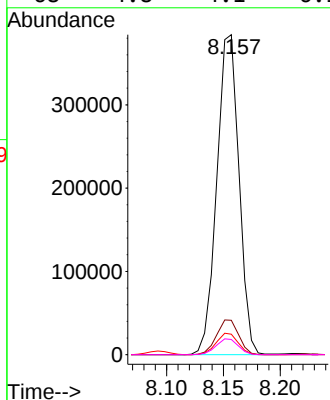
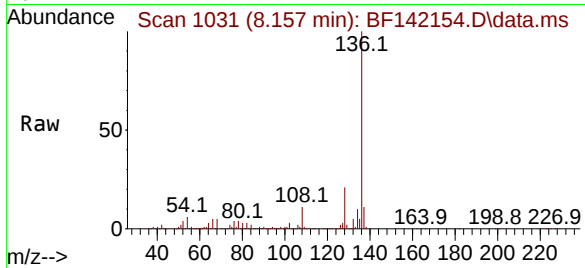


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF142154.D
Acq: 28 Mar 2025 12:02

Instrument :
BNA_F
ClientSampleId :
PB167349BS

Tgt Ion:136 Resp: 522245

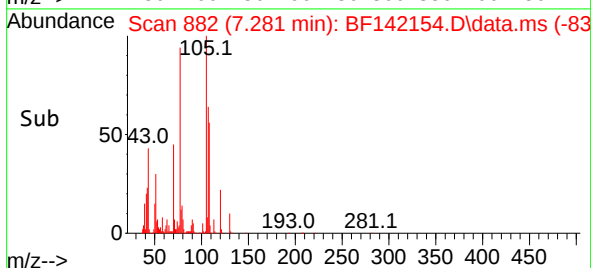
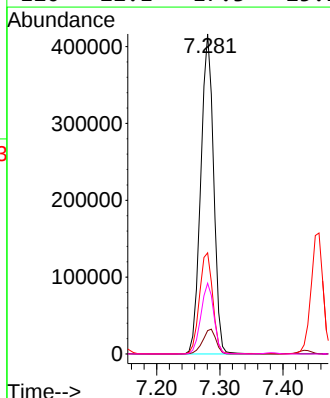
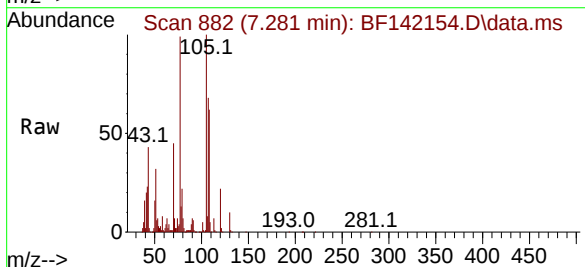
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	6.4	5.8	8.8
68	4.8	4.1	6.1

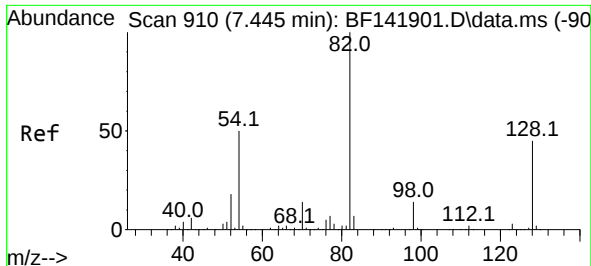


#22
Acetophenone
Concen: 47.176 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.012 min
Lab File: BF142154.D
Acq: 28 Mar 2025 12:02

Tgt Ion:105 Resp: 590005

Ion	Ratio	Lower	Upper
105	100		
71	7.3	5.8	8.8
51	31.6	23.4	35.0
120	22.1	17.3	25.9





#23

Nitrobenzene-d5

Concen: 92.238 ng

RT: 7.433 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF142154.D

Acq: 28 Mar 2025 12:02

Instrument :

BNA_F

ClientSampleId :

PB167349BS

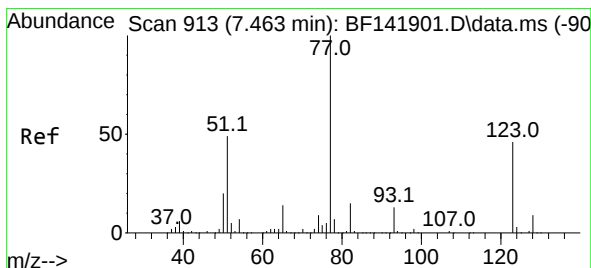
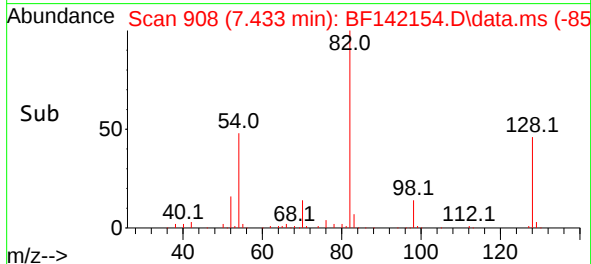
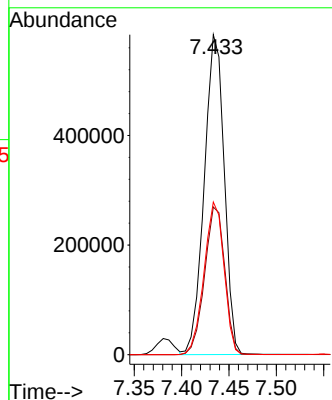
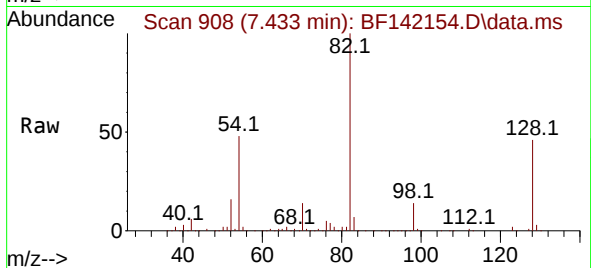
Tgt Ion: 82 Resp: 855976

Ion Ratio Lower Upper

82 100

128 46.2 36.0 54.0

54 47.7 39.6 59.4



#24

Nitrobenzene

Concen: 48.268 ng

RT: 7.457 min Scan# 912

Delta R.T. -0.006 min

Lab File: BF142154.D

Acq: 28 Mar 2025 12:02

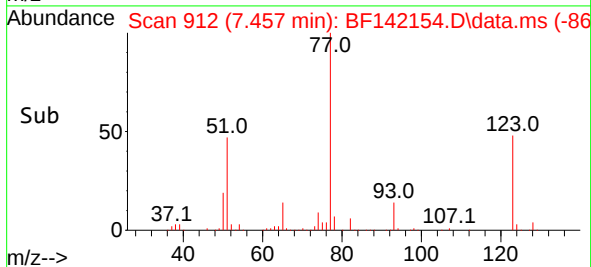
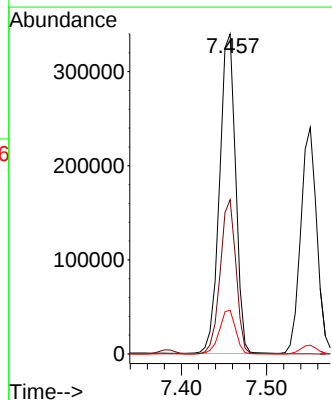
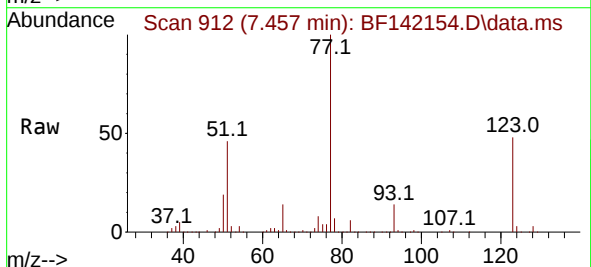
Tgt Ion: 77 Resp: 445293

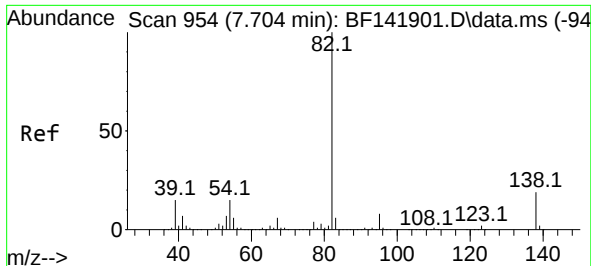
Ion Ratio Lower Upper

77 100

123 48.2 37.0 55.4

65 13.7 11.3 16.9

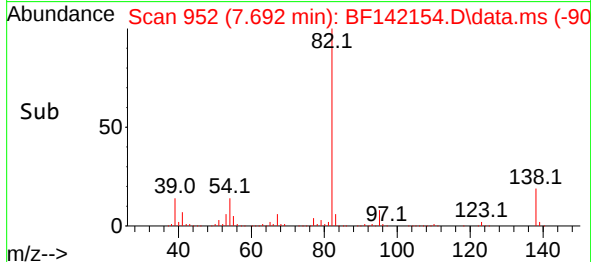
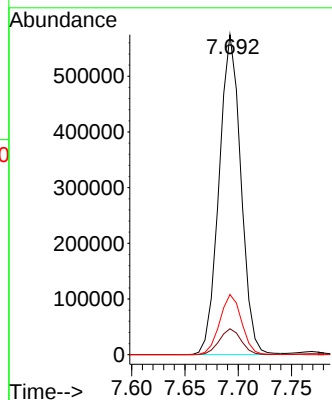
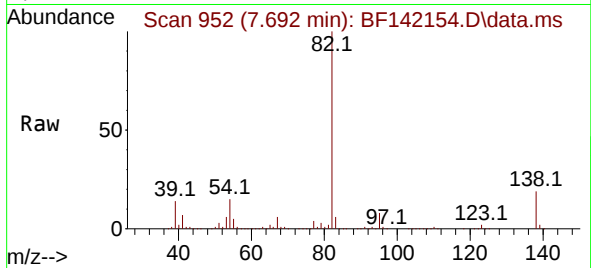




#25
Isophorone
Concen: 49.865 ng
RT: 7.692 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF142154.D
Acq: 28 Mar 2025 12:02

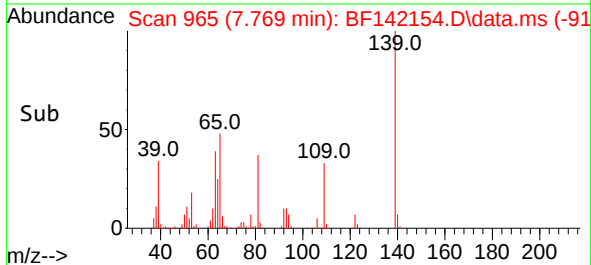
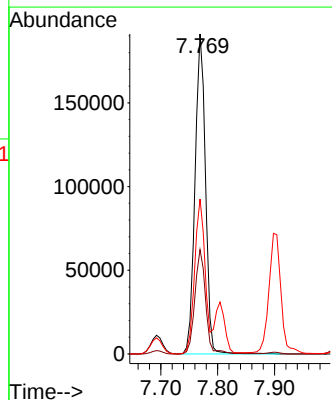
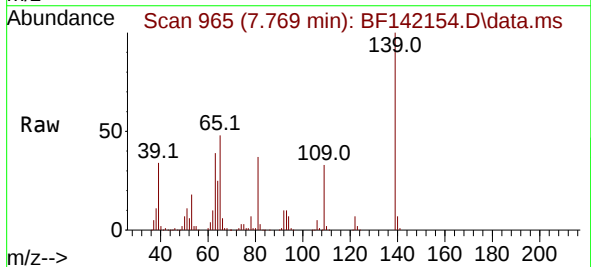
Instrument :
BNA_F
ClientSampleId :
PB167349BS

Tgt Ion: 82 Resp: 817988
Ion Ratio Lower Upper
82 100
95 8.1 6.4 9.6
138 18.8 14.9 22.3



#26
2-Nitrophenol
Concen: 54.449 ng
RT: 7.769 min Scan# 965
Delta R.T. -0.012 min
Lab File: BF142154.D
Acq: 28 Mar 2025 12:02

Tgt Ion:139 Resp: 246539
Ion Ratio Lower Upper
139 100
109 32.6 26.5 39.7
65 48.4 40.3 60.5





#27

2,4-Dimethylphenol

Concen: 66.612 ng

RT: 7.804 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF142154.D

Acq: 28 Mar 2025 12:02

Instrument :

BNA_F

ClientSampleId :

PB167349BS

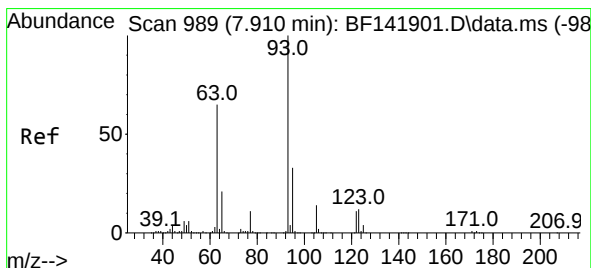
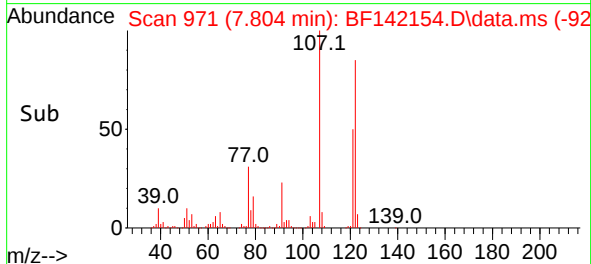
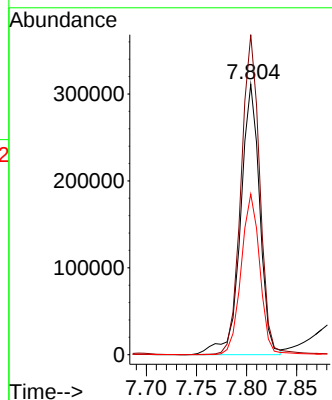
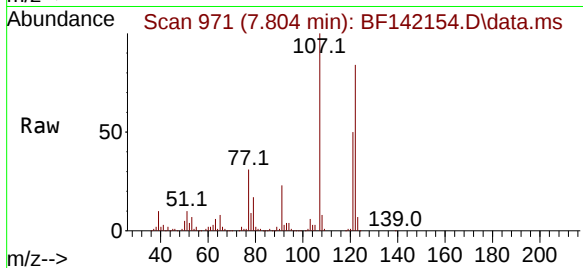
Tgt Ion:122 Resp: 415305

Ion Ratio Lower Upper

122 100

107 118.4 94.8 142.2

121 59.4 47.8 71.6



#28

bis(2-Chloroethoxy)methane

Concen: 47.790 ng

RT: 7.904 min Scan# 988

Delta R.T. -0.006 min

Lab File: BF142154.D

Acq: 28 Mar 2025 12:02

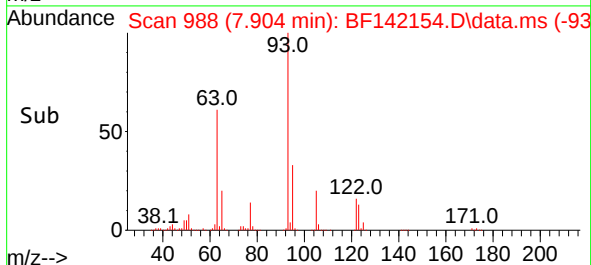
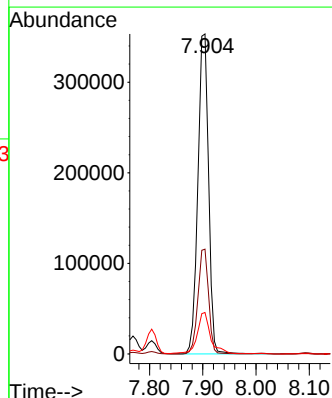
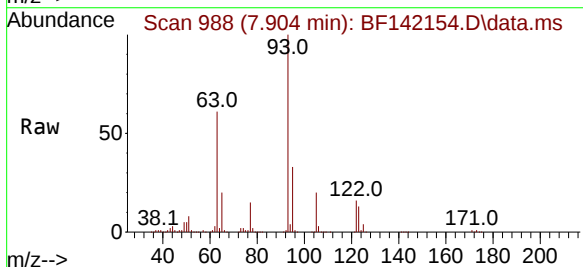
Tgt Ion: 93 Resp: 491701

Ion Ratio Lower Upper

93 100

95 32.7 26.6 40.0

123 13.0 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 48.498 ng

RT: 8.010 min Scan# 1006

Delta R.T. -0.006 min

Lab File: BF142154.D

Acq: 28 Mar 2025 12:02

Instrument :

BNA_F

ClientSampleId :

PB167349BS

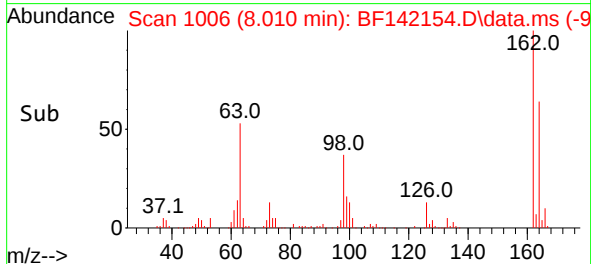
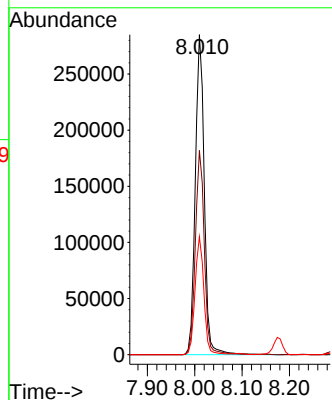
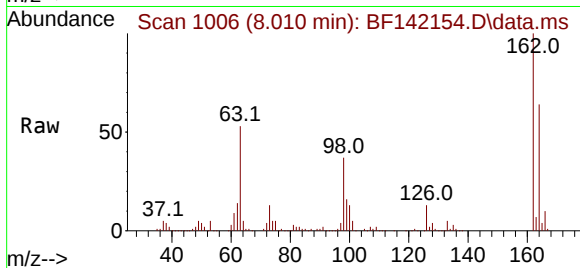
Tgt Ion:162 Resp: 375312

Ion Ratio Lower Upper

162 100

164 63.8 43.8 83.8

98 36.9 18.1 58.1



#30

1,2,4-Trichlorobenzene

Concen: 47.849 ng

RT: 8.092 min Scan# 1020

Delta R.T. -0.012 min

Lab File: BF142154.D

Acq: 28 Mar 2025 12:02

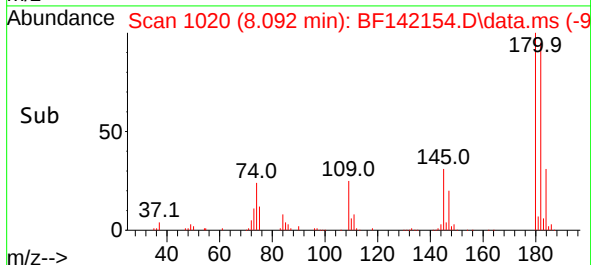
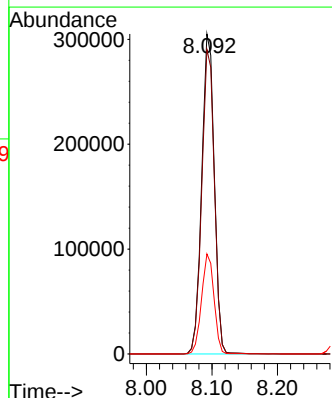
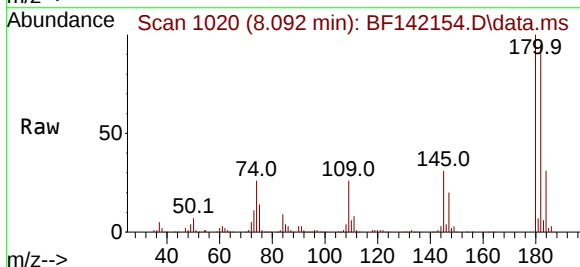
Tgt Ion:180 Resp: 408068

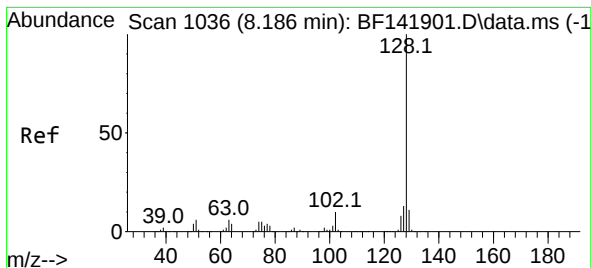
Ion Ratio Lower Upper

180 100

182 95.2 77.5 116.3

145 31.3 25.8 38.6





#31

Naphthalene

Concen: 45.797 ng

RT: 8.175 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142154.D

Acq: 28 Mar 2025 12:02

Instrument :

BNA_F

ClientSampleId :

PB167349BS

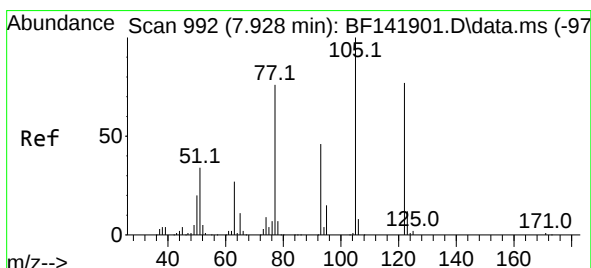
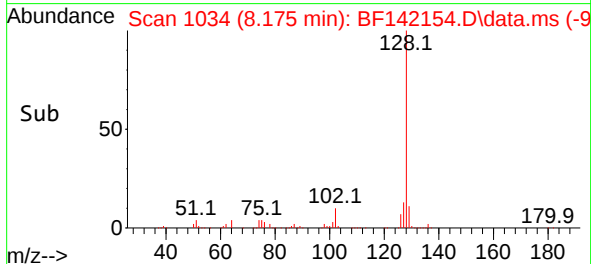
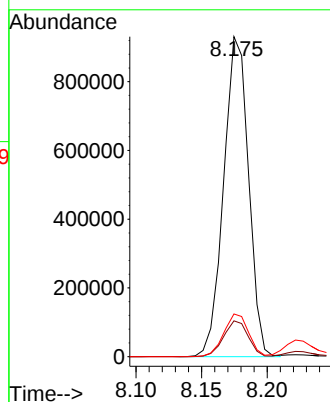
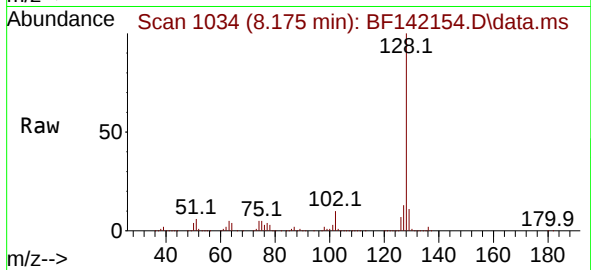
Tgt Ion:128 Resp: 1228587

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.6

127 13.4 10.8 16.2



#32

Benzoic acid

Concen: 53.577 ng

RT: 7.928 min Scan# 992

Delta R.T. -0.000 min

Lab File: BF142154.D

Acq: 28 Mar 2025 12:02

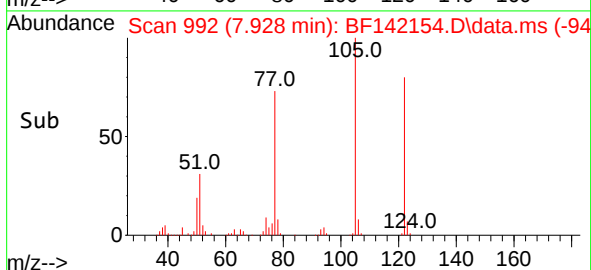
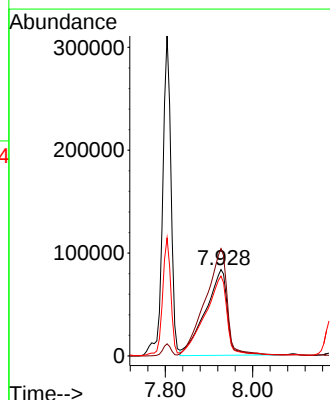
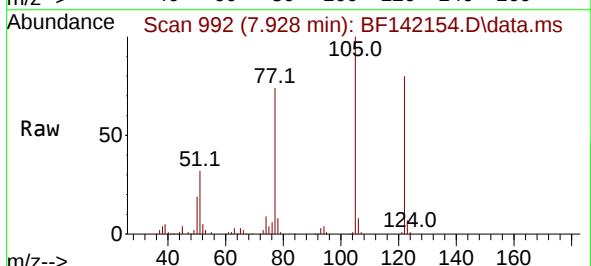
Tgt Ion:122 Resp: 293628

Ion Ratio Lower Upper

122 100

105 124.3 107.9 147.9

77 92.5 79.0 119.0

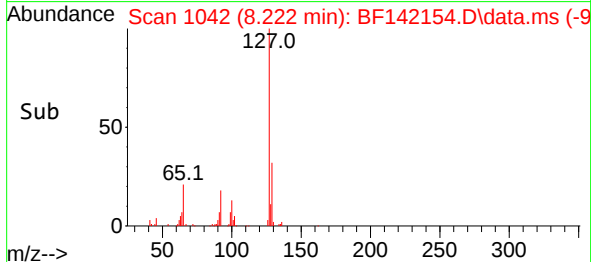
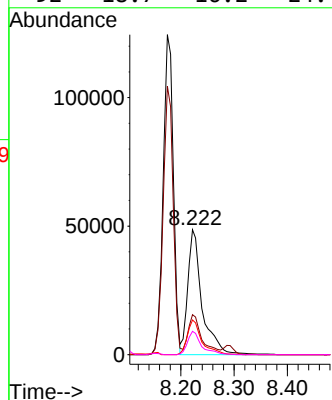
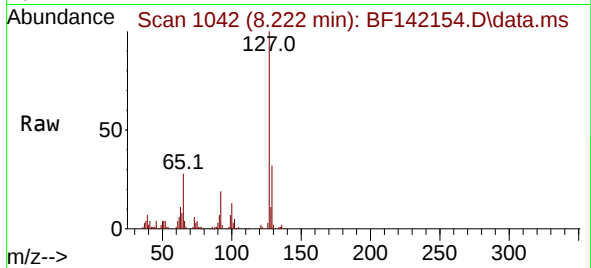




#33
4-Chloroaniline
Concen: 9.640 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF142154.D
Acq: 28 Mar 2025 12:02

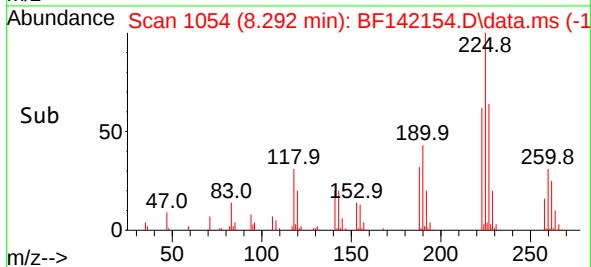
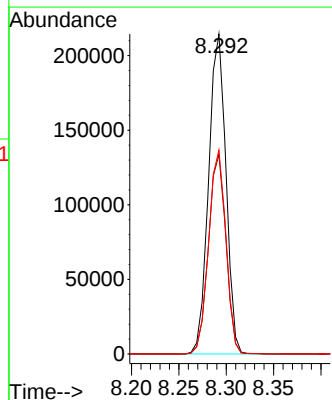
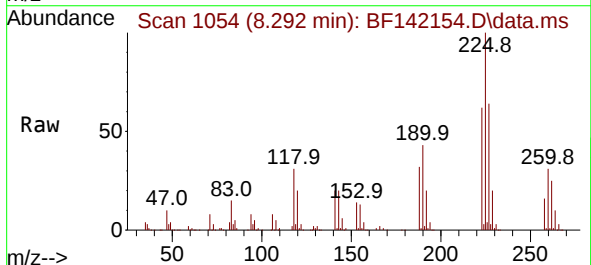
Instrument :
BNA_F
ClientSampleId :
PB167349BS

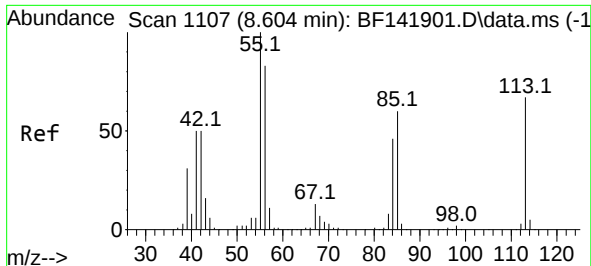
Tgt Ion:127	Resp:	91292
Ion	Ratio	Lower Upper
127	100	
129	32.0	26.2 39.4
65	27.7	25.4 38.2
92	18.7	16.2 24.4



#34
Hexachlorobutadiene
Concen: 48.878 ng
RT: 8.292 min Scan# 1054
Delta R.T. -0.012 min
Lab File: BF142154.D
Acq: 28 Mar 2025 12:02

Tgt Ion:225	Resp:	271849
Ion	Ratio	Lower Upper
225	100	
223	62.3	50.6 75.8
227	63.8	52.2 78.2

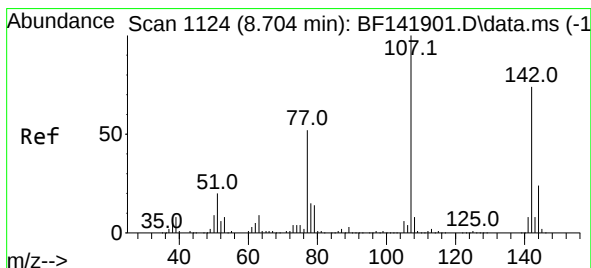
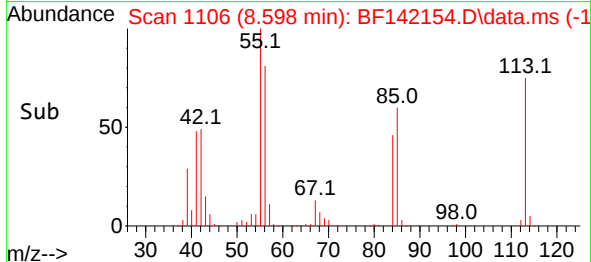
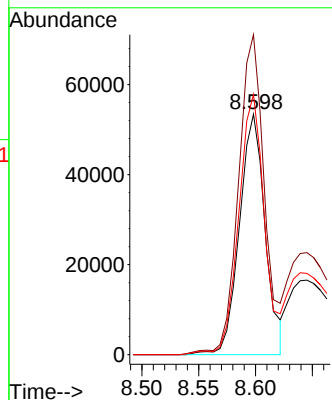
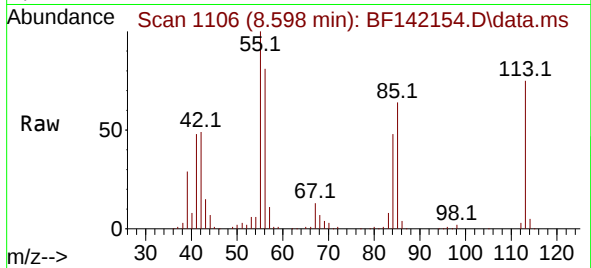




#35
 Caprolactam
 Concen: 35.511 ng
 RT: 8.598 min Scan# 1106
 Delta R.T. -0.006 min
 Lab File: BF142154.D
 Acq: 28 Mar 2025 12:02

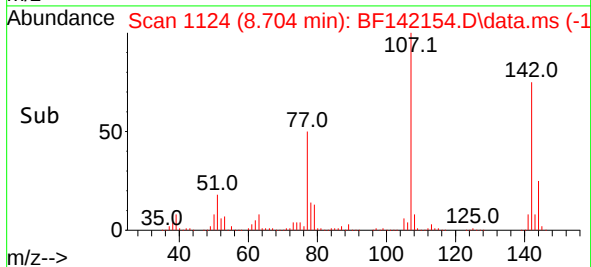
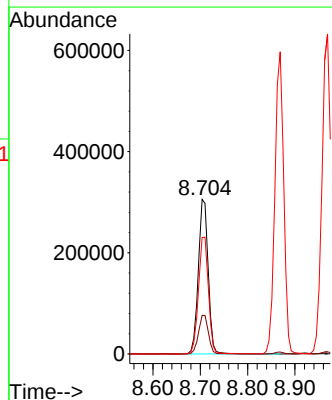
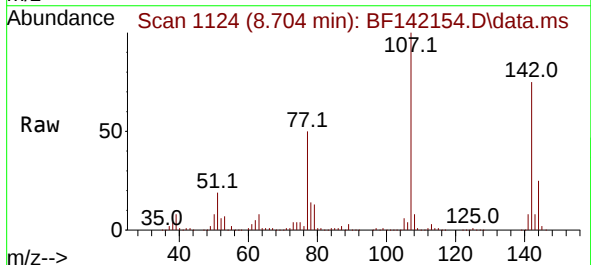
Instrument :
 BNA_F
 ClientSampleId :
 PB167349BS

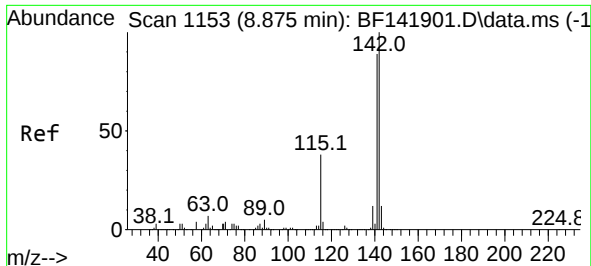
Tgt Ion:113 Resp: 83784
 Ion Ratio Lower Upper
 113 100
 55 133.1 129.6 169.6
 56 108.3 104.0 144.0



#36
 4-Chloro-3-methylphenol
 Concen: 51.215 ng
 RT: 8.704 min Scan# 1124
 Delta R.T. -0.000 min
 Lab File: BF142154.D
 Acq: 28 Mar 2025 12:02

Tgt Ion:107 Resp: 442122
 Ion Ratio Lower Upper
 107 100
 144 25.0 19.0 28.6
 142 75.4 59.2 88.8





#37

2-Methylnaphthalene

Concen: 43.157 ng

RT: 8.869 min Scan# 1152

Delta R.T. -0.006 min

Lab File: BF142154.D

Acq: 28 Mar 2025 12:02

Instrument :

BNA_F

ClientSampleId :

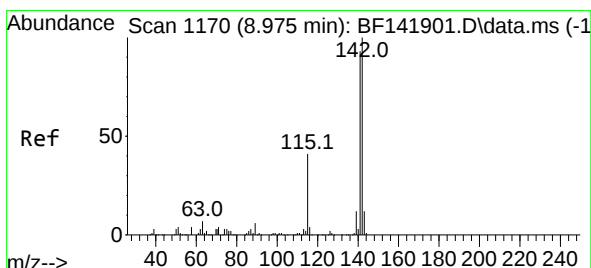
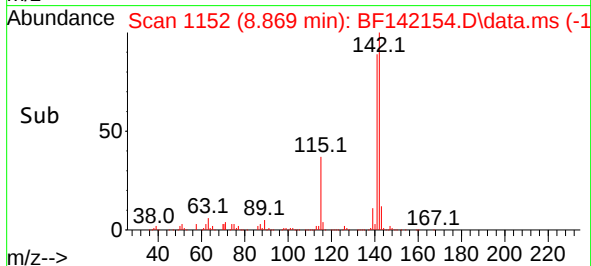
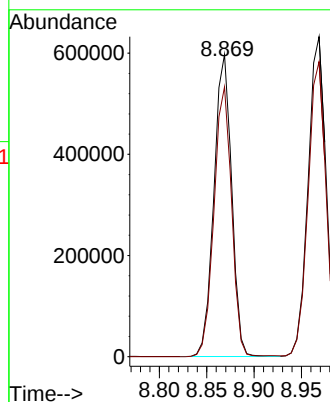
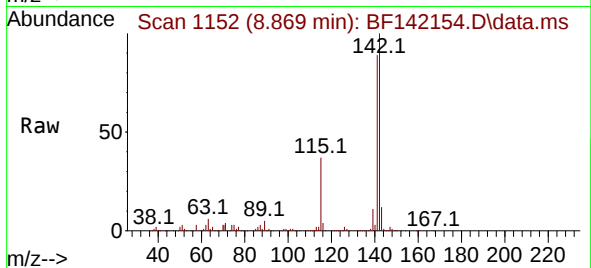
PB167349BS

Tgt Ion:142 Resp: 773861

Ion Ratio Lower Upper

142 100

141 89.2 71.2 106.8



#38

1-Methylnaphthalene

Concen: 47.801 ng

RT: 8.969 min Scan# 1169

Delta R.T. -0.006 min

Lab File: BF142154.D

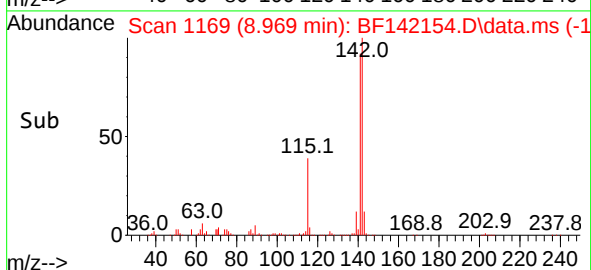
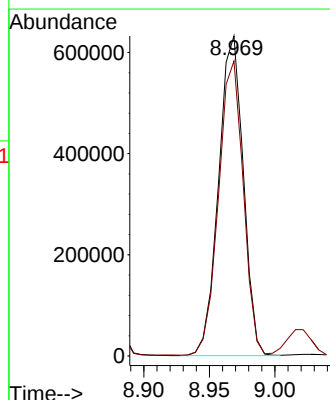
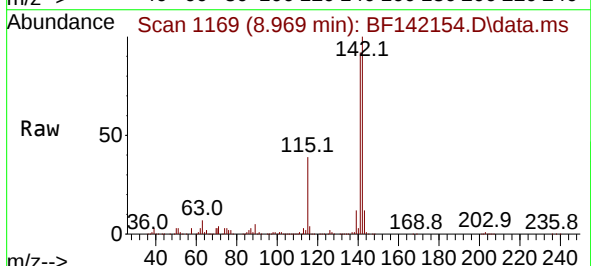
Acq: 28 Mar 2025 12:02

Tgt Ion:142 Resp: 827121

Ion Ratio Lower Upper

142 100

141 92.2 74.2 111.4

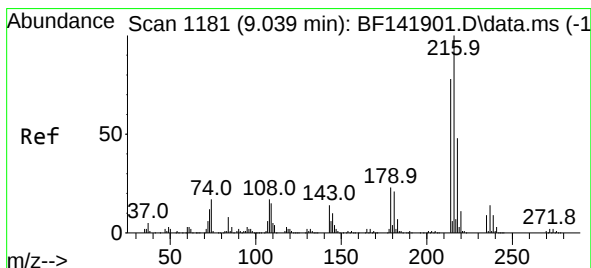
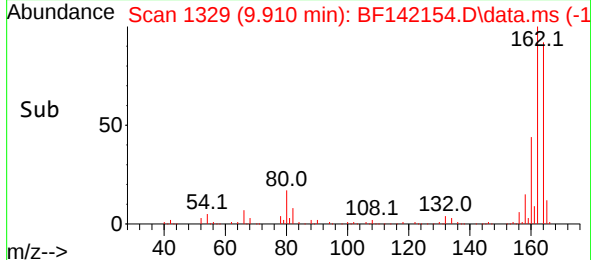
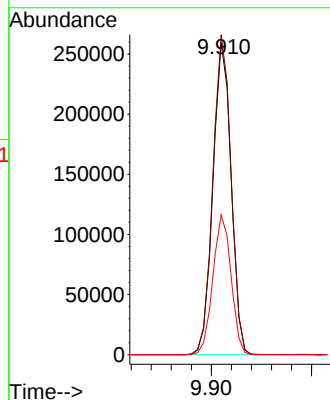
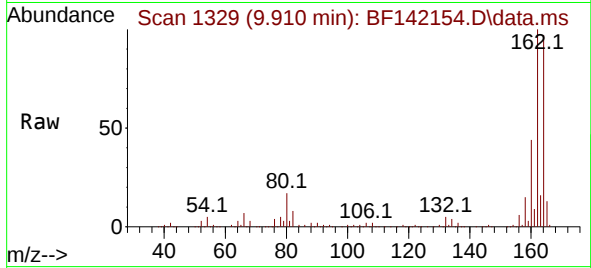




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BF142154.D
Acq: 28 Mar 2025 12:02

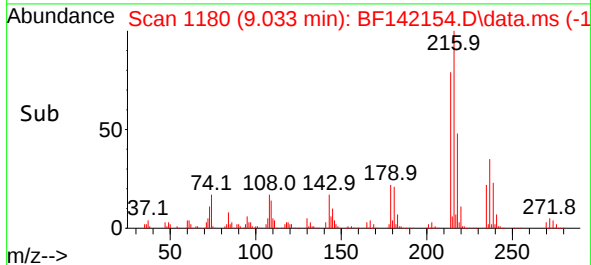
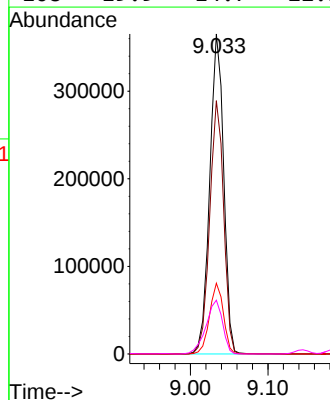
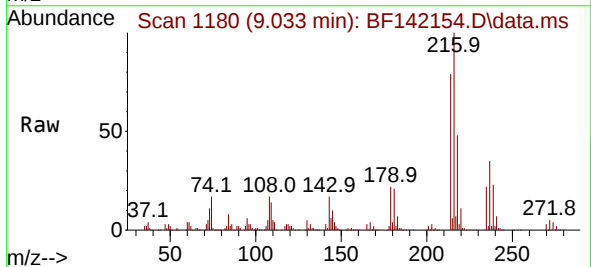
Instrument :
BNA_F
ClientSampleId :
PB167349BS

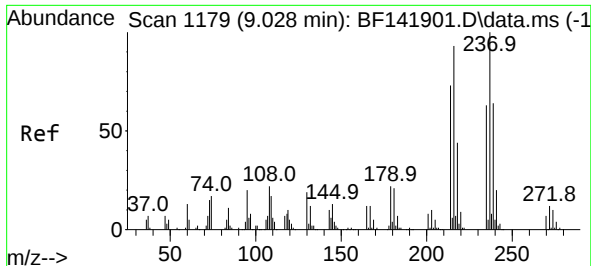
Tgt Ion:164 Resp: 326129
Ion Ratio Lower Upper
164 100
162 102.6 81.8 122.6
160 44.8 36.7 55.1



#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.138 ng
RT: 9.033 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BF142154.D
Acq: 28 Mar 2025 12:02

Tgt Ion:216 Resp: 458117
Ion Ratio Lower Upper
216 100
214 79.0 61.9 92.9
179 21.9 18.1 27.1
108 19.9 14.7 22.1

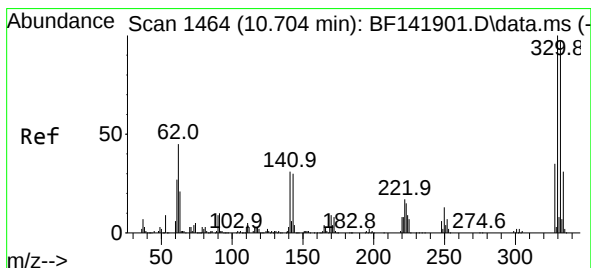
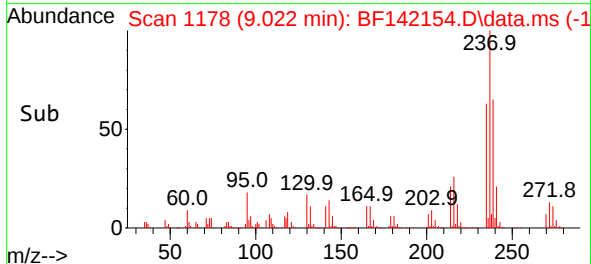
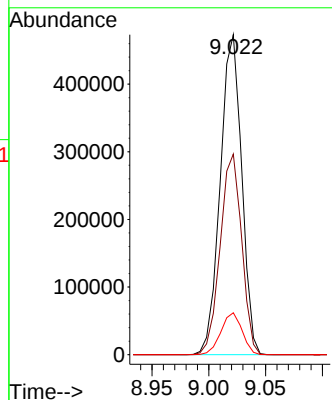
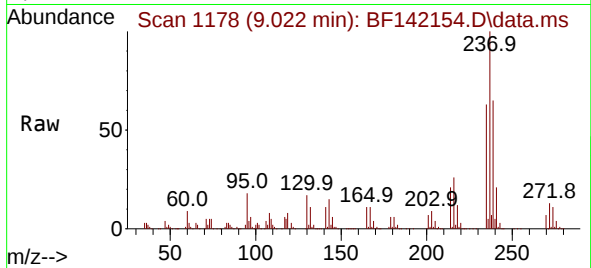




#41
Hexachlorocyclopentadiene
Concen: 159.877 ng
RT: 9.022 min Scan# 1179
Delta R.T. -0.006 min
Lab File: BF142154.D
Acq: 28 Mar 2025 12:02

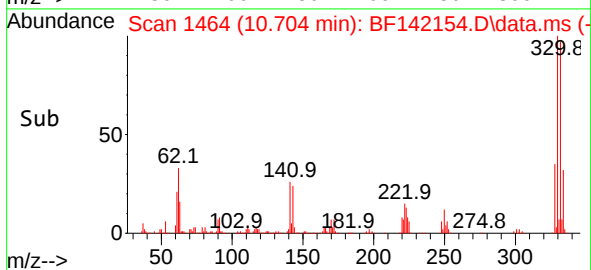
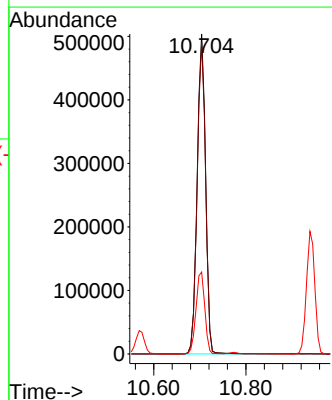
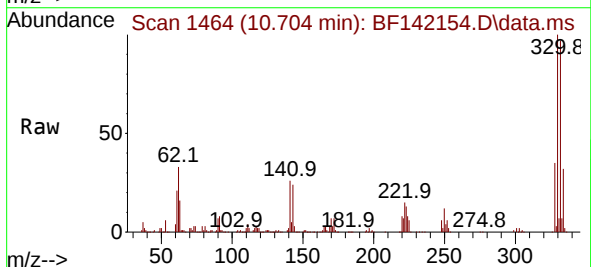
Instrument :
BNA_F
ClientSampleId :
PB167349BS

Tgt Ion:237 Resp: 621272
Ion Ratio Lower Upper
237 100
235 62.7 43.1 83.1
272 13.1 0.0 32.0



#42
2,4,6-Tribromophenol
Concen: 153.934 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BF142154.D
Acq: 28 Mar 2025 12:02

Tgt Ion:330 Resp: 636883
Ion Ratio Lower Upper
330 100
332 97.2 77.6 116.4
141 26.9 24.7 37.1





#43

2,4,6-Trichlorophenol

Concen: 48.090 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.000 min

Lab File: BF142154.D

Acq: 28 Mar 2025 12:02

Instrument :

BNA_F

ClientSampleId :

PB167349BS

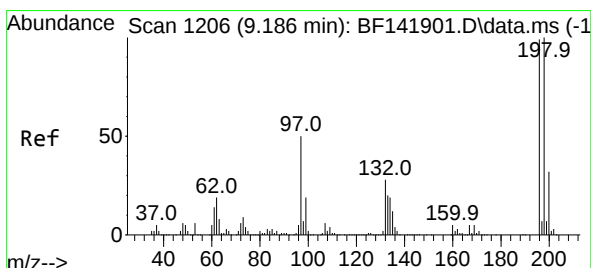
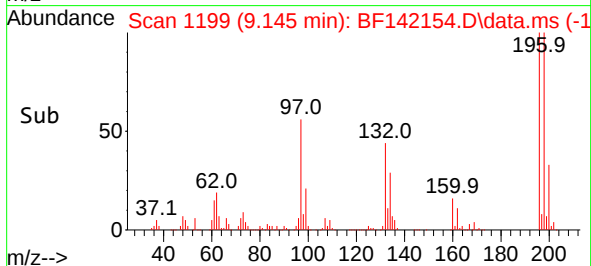
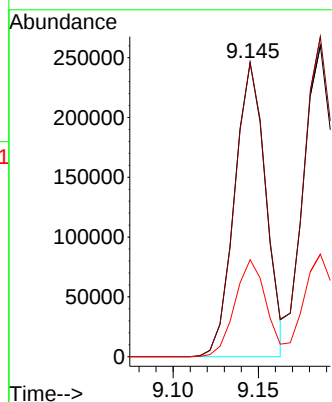
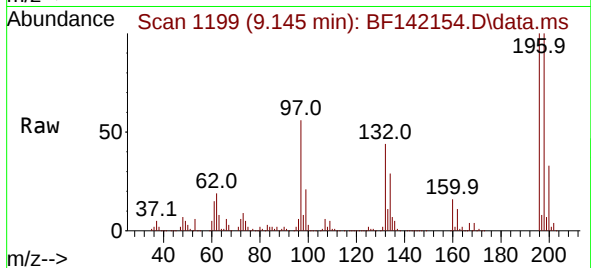
Tgt Ion:196 Resp: 312066

Ion Ratio Lower Upper

196 100

198 100.1 80.6 121.0

200 33.0 25.8 38.6



#44

2,4,5-Trichlorophenol

Concen: 50.816 ng

RT: 9.186 min Scan# 1206

Delta R.T. 0.000 min

Lab File: BF142154.D

Acq: 28 Mar 2025 12:02

Tgt Ion:196 Resp: 333977

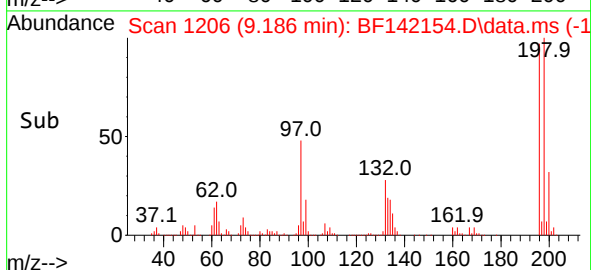
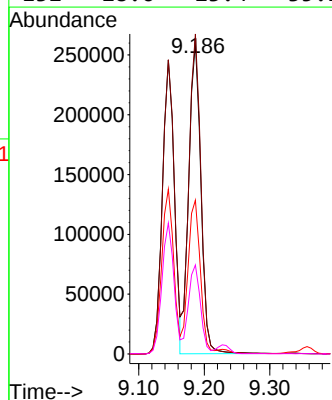
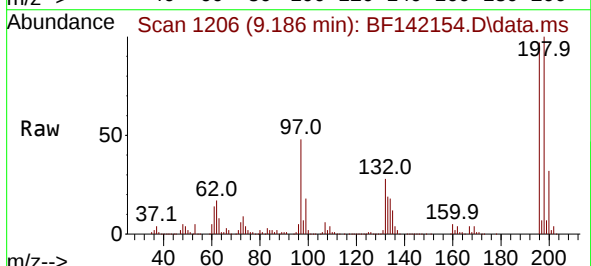
Ion Ratio Lower Upper

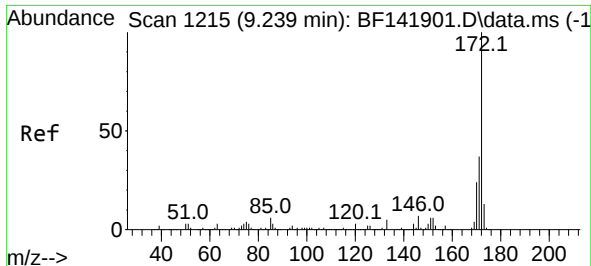
196 100

198 102.8 80.7 121.1

97 49.4 42.1 63.1

132 28.6 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 88.580 ng

RT: 9.227 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF142154.D

Acq: 28 Mar 2025 12:02

Instrument :

BNA_F

ClientSampleId :

PB167349BS

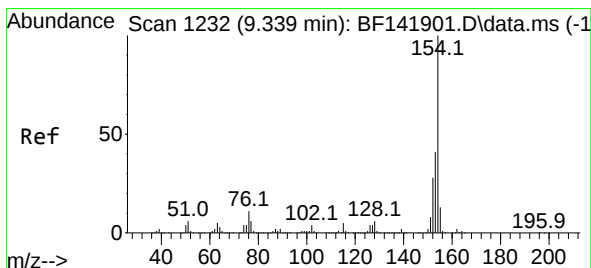
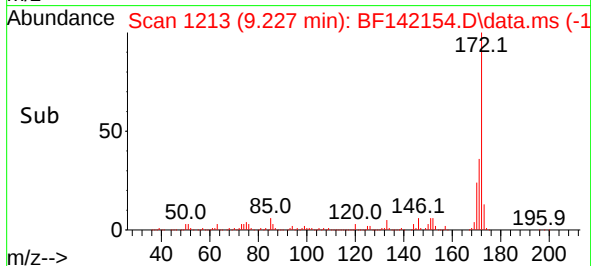
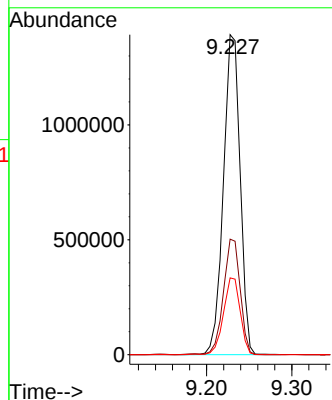
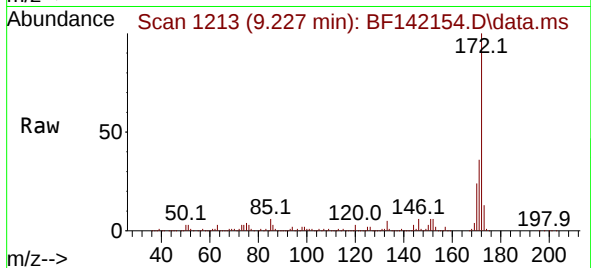
Tgt Ion:172 Resp: 1899544

Ion Ratio Lower Upper

172 100

171 36.1 29.3 43.9

170 24.0 19.4 29.0



#46

1,1'-Biphenyl

Concen: 45.878 ng

RT: 9.333 min Scan# 1231

Delta R.T. -0.006 min

Lab File: BF142154.D

Acq: 28 Mar 2025 12:02

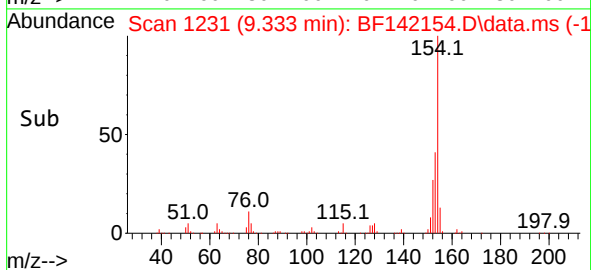
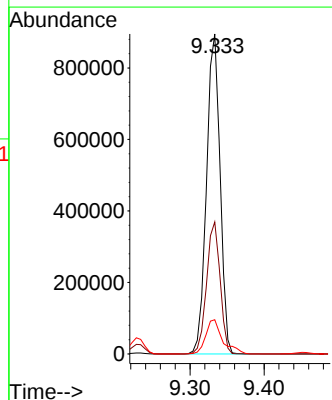
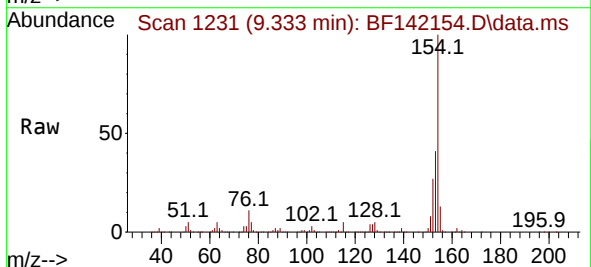
Tgt Ion:154 Resp: 1136844

Ion Ratio Lower Upper

154 100

153 41.2 21.1 61.1

76 10.7 0.0 31.3





#47

2-Chloronaphthalene

Concen: 46.388 ng

RT: 9.357 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142154.D

Acq: 28 Mar 2025 12:02

Instrument :

BNA_F

ClientSampleId :

PB167349BS

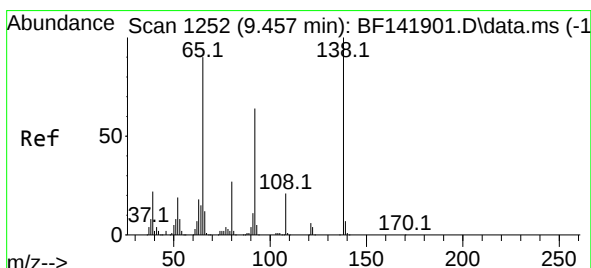
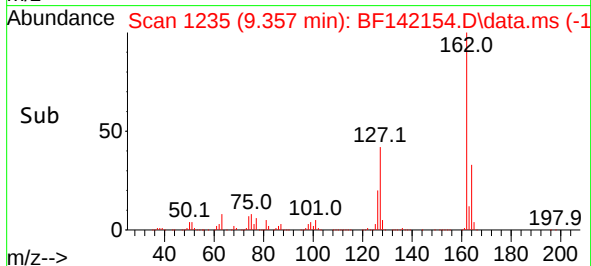
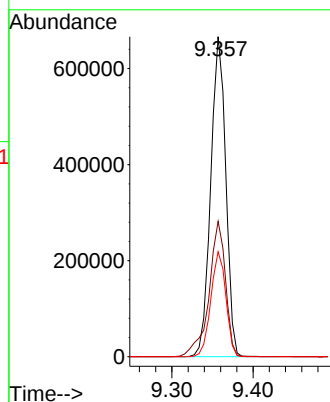
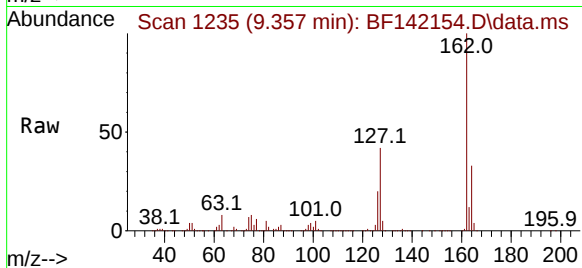
Tgt Ion:162 Resp: 856757

Ion Ratio Lower Upper

162 100

127 42.3 35.5 53.3

164 32.8 26.6 40.0



#48

2-Nitroaniline

Concen: 45.177 ng

RT: 9.451 min Scan# 1251

Delta R.T. -0.006 min

Lab File: BF142154.D

Acq: 28 Mar 2025 12:02

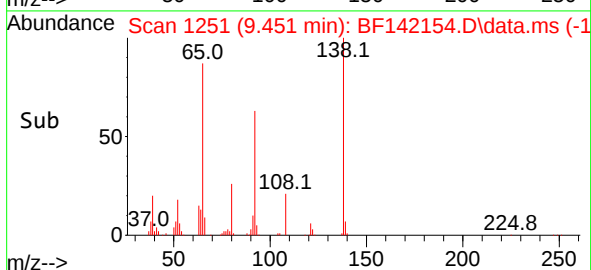
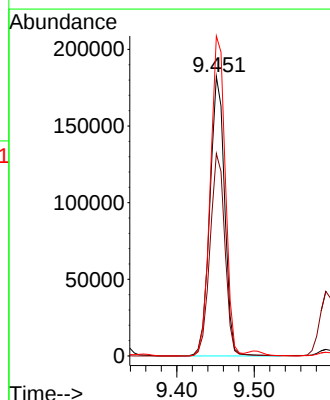
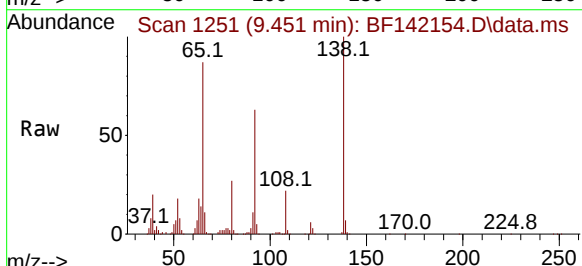
Tgt Ion: 65 Resp: 241595

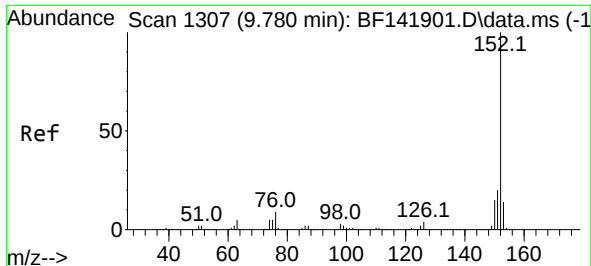
Ion Ratio Lower Upper

65 100

92 72.4 56.6 84.8

138 114.5 88.6 133.0





#49

Acenaphthylene

Concen: 50.250 ng

RT: 9.774 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142154.D

Acq: 28 Mar 2025 12:02

Instrument :

BNA_F

ClientSampleId :

PB167349BS

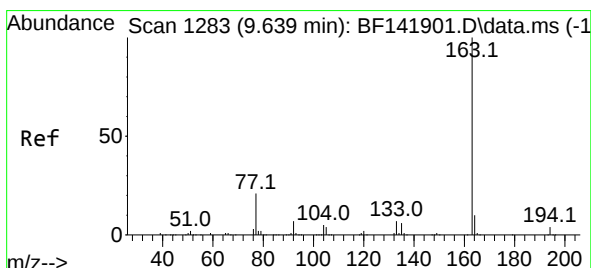
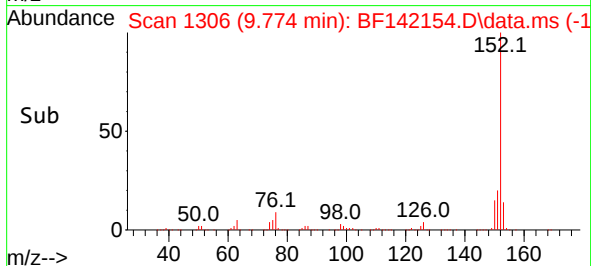
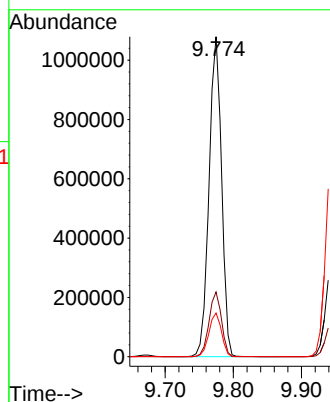
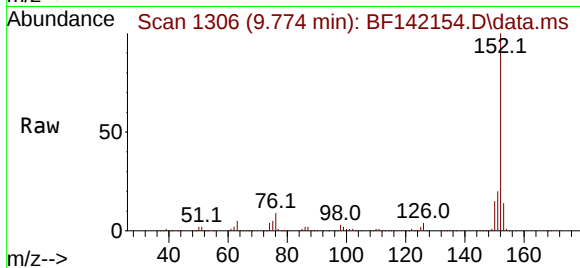
Tgt Ion:152 Resp: 1377270

Ion Ratio Lower Upper

152 100

151 20.2 16.3 24.5

153 13.7 11.1 16.7



#50

Dimethylphthalate

Concen: 47.937 ng

RT: 9.633 min Scan# 1282

Delta R.T. -0.006 min

Lab File: BF142154.D

Acq: 28 Mar 2025 12:02

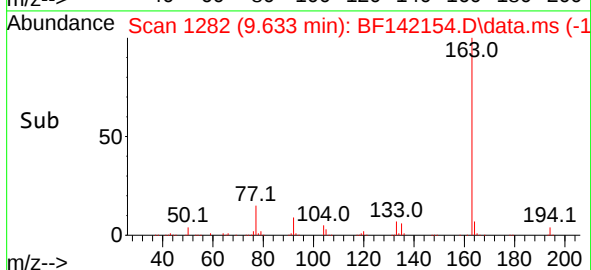
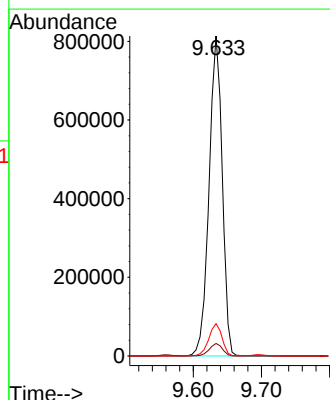
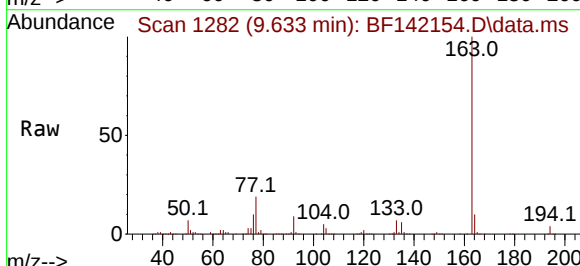
Tgt Ion:163 Resp: 1094785

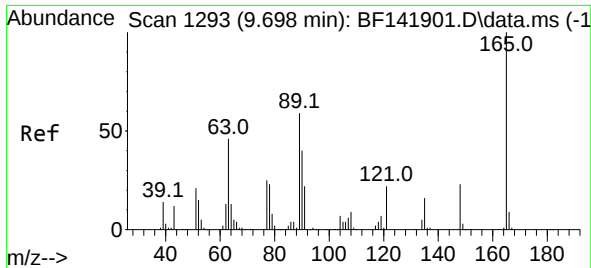
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

164 10.1 8.2 12.4

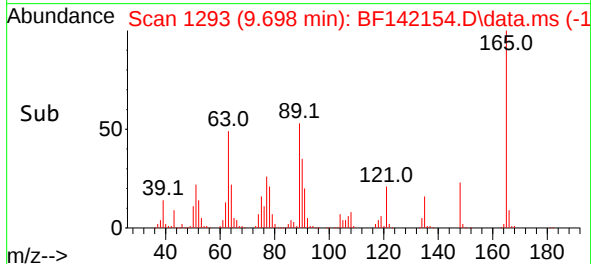
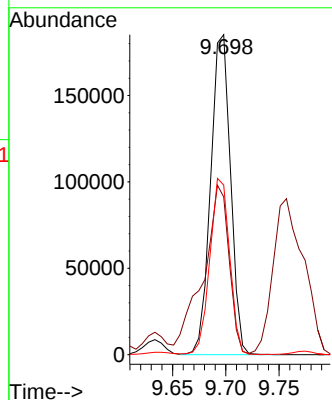
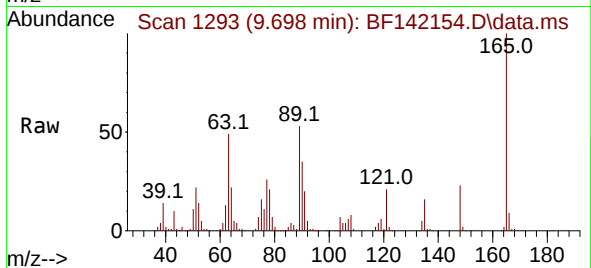




#51
2,6-Dinitrotoluene
Concen: 50.606 ng
RT: 9.698 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142154.D
Acq: 28 Mar 2025 12:02

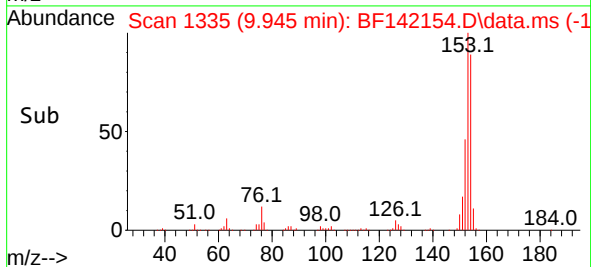
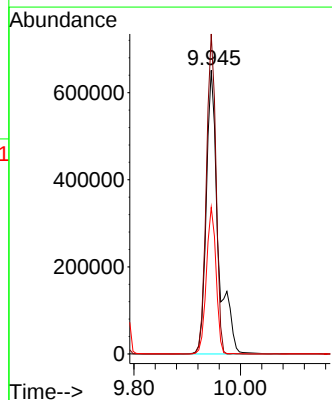
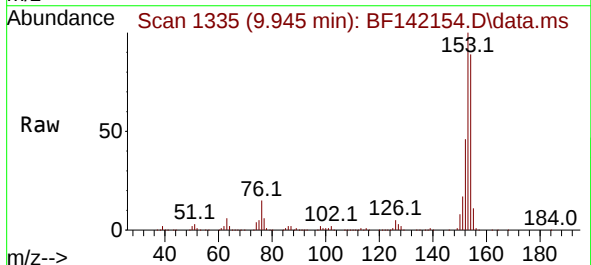
Instrument :
BNA_F
ClientSampleId :
PB167349BS

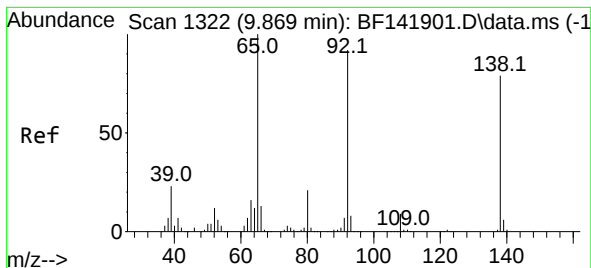
Tgt Ion:165 Resp: 240638
Ion Ratio Lower Upper
165 100
63 49.3 47.0 70.4
89 53.0 47.4 71.2



#52
Acenaphthene
Concen: 52.455 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF142154.D
Acq: 28 Mar 2025 12:02

Tgt Ion:154 Resp: 1010352
Ion Ratio Lower Upper
154 100
153 112.8 90.7 136.1
152 51.7 41.1 61.7





#53

3-Nitroaniline

Concen: 20.024 ng

RT: 9.863 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142154.D

Acq: 28 Mar 2025 12:02

Instrument :

BNA_F

ClientSampleId :

PB167349BS

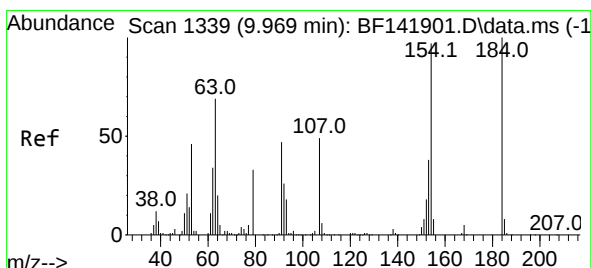
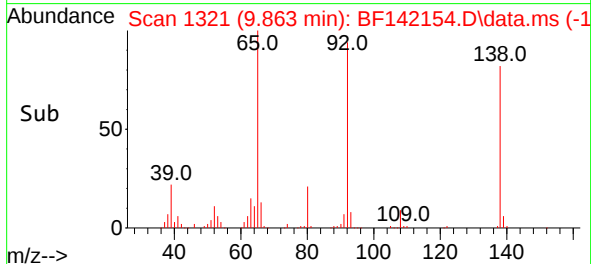
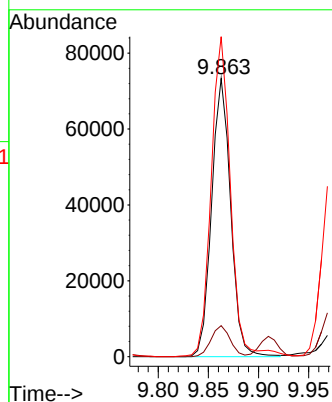
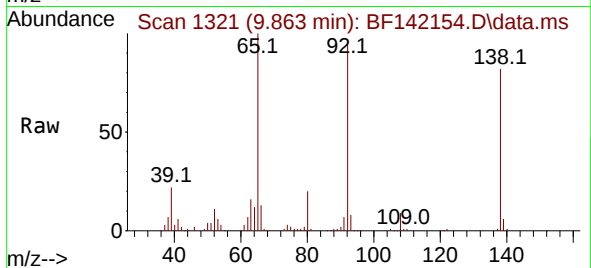
Tgt Ion:138 Resp: 96585

Ion Ratio Lower Upper

138 100

108 11.2 9.3 13.9

92 115.0 93.5 140.3



#54

2,4-Dinitrophenol

Concen: 102.999 ng

RT: 9.975 min Scan# 1340

Delta R.T. 0.006 min

Lab File: BF142154.D

Acq: 28 Mar 2025 12:02

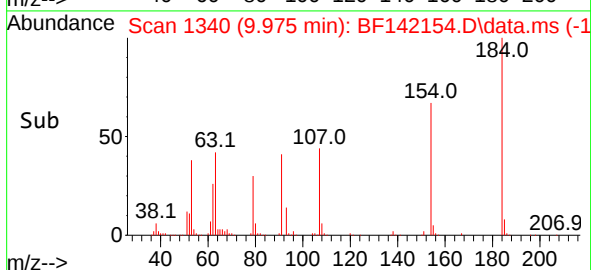
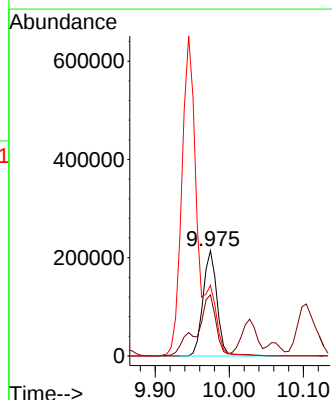
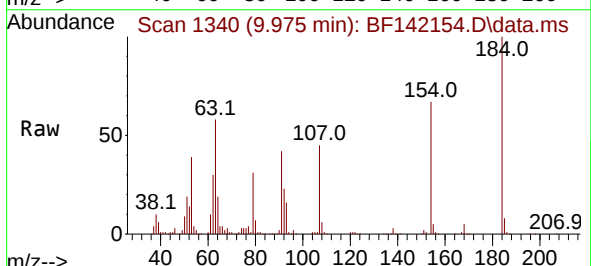
Tgt Ion:184 Resp: 283837

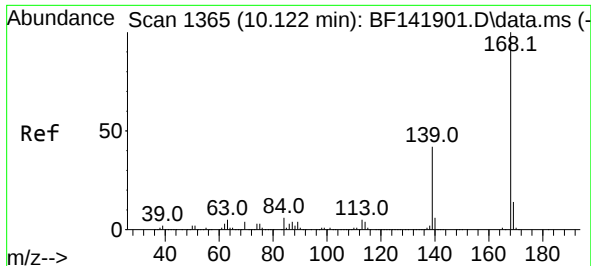
Ion Ratio Lower Upper

184 100

63 58.1 60.2 90.4#

154 67.1 132.9 199.3#

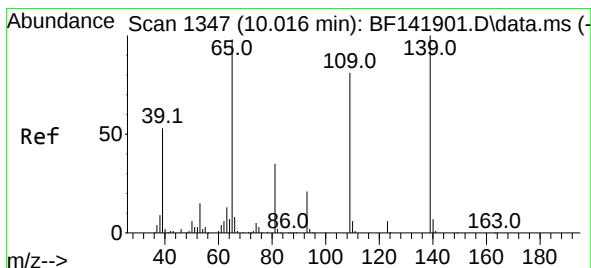
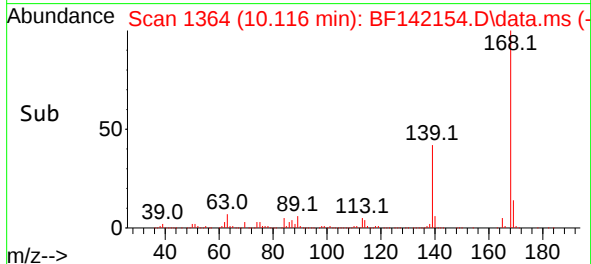
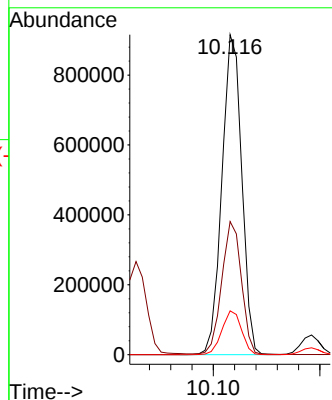
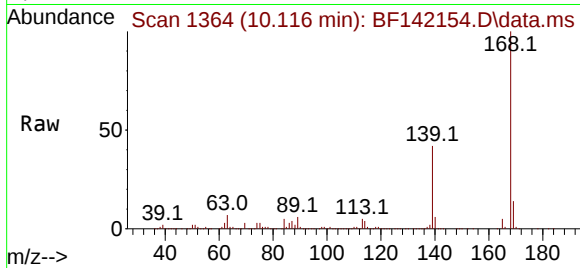




#55
Dibenzenofuran
Concen: 42.899 ng
RT: 10.116 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142154.D
Acq: 28 Mar 2025 12:02

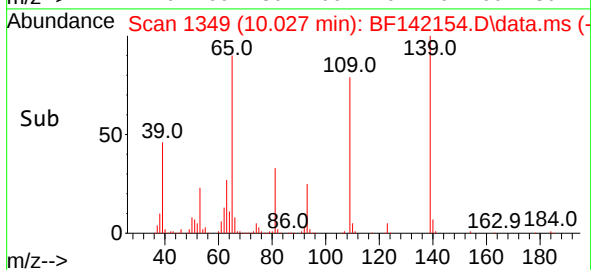
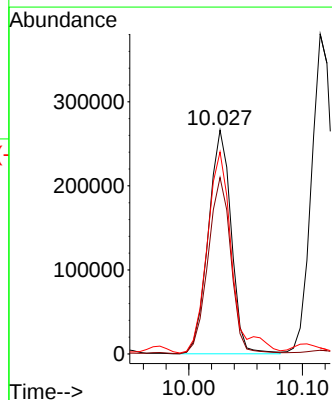
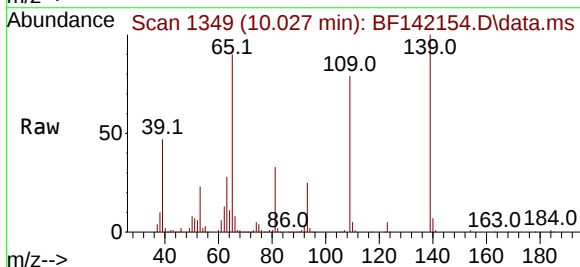
Instrument :
BNA_F
ClientSampleId :
PB167349BS

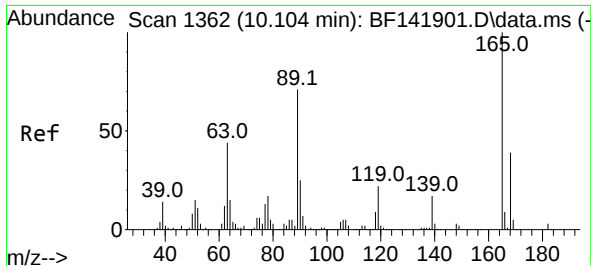
Tgt Ion:168 Resp: 1180660
Ion Ratio Lower Upper
168 100
139 41.6 33.9 50.9
169 13.7 11.0 16.4



#56
4-Nitrophenol
Concen: 102.577 ng
RT: 10.027 min Scan# 1349
Delta R.T. 0.012 min
Lab File: BF142154.D
Acq: 28 Mar 2025 12:02

Tgt Ion:139 Resp: 373120
Ion Ratio Lower Upper
139 100
109 78.9 61.6 101.6
65 90.3 79.4 119.4

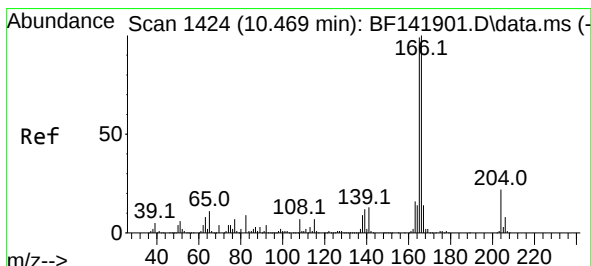
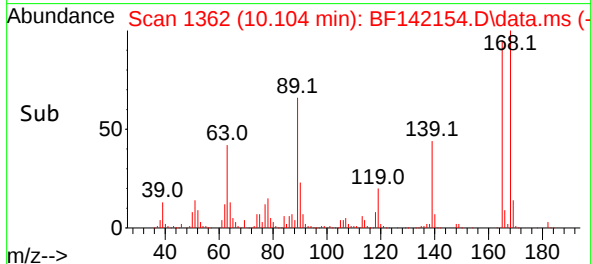
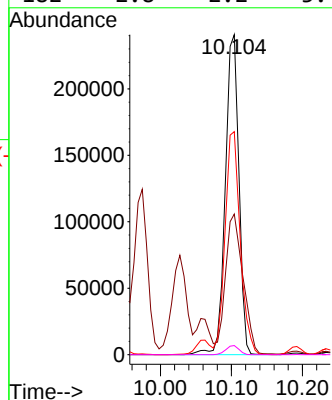
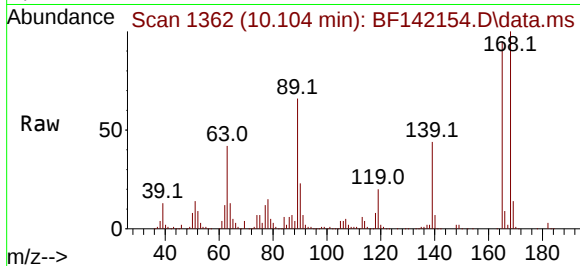




#57
2,4-Dinitrotoluene
Concen: 51.244 ng
RT: 10.104 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142154.D
Acq: 28 Mar 2025 12:02

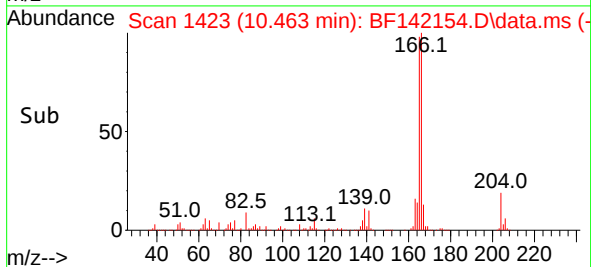
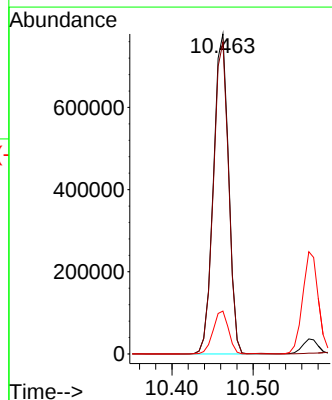
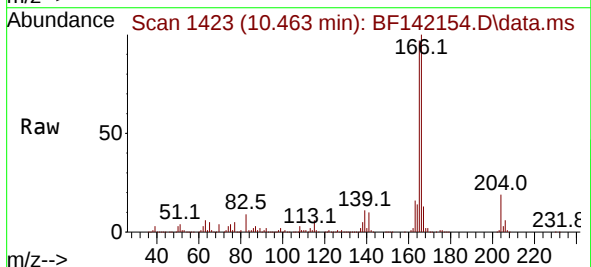
Instrument :
BNA_F
ClientSampleId :
PB167349BS

Tgt Ion:165 Resp: 318259
Ion Ratio Lower Upper
165 100
63 43.9 35.4 53.2
89 69.7 56.6 84.8
182 2.8 2.2 3.4



#58
Fluorene
Concen: 47.603 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF142154.D
Acq: 28 Mar 2025 12:02

Tgt Ion:166 Resp: 1010330
Ion Ratio Lower Upper
166 100
165 97.4 79.0 118.4
167 13.4 11.0 16.4

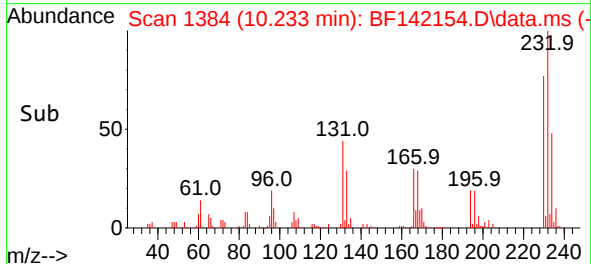
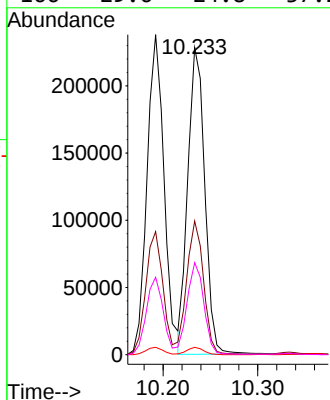
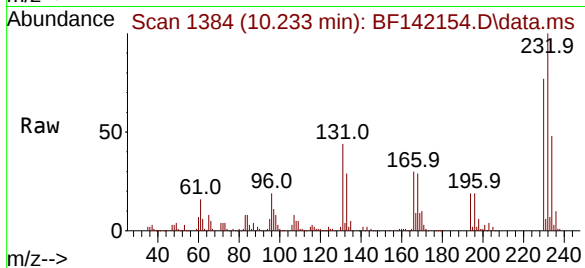




#59
2,3,4,6-Tetrachlorophenol
Concen: 47.644 ng
RT: 10.233 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF142154.D
Acq: 28 Mar 2025 12:02

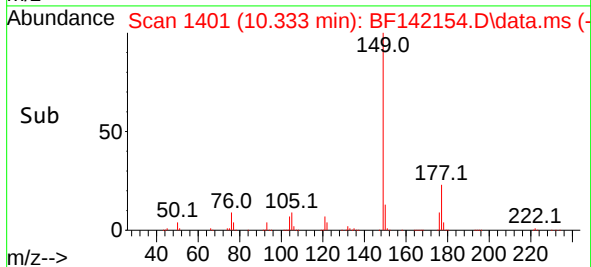
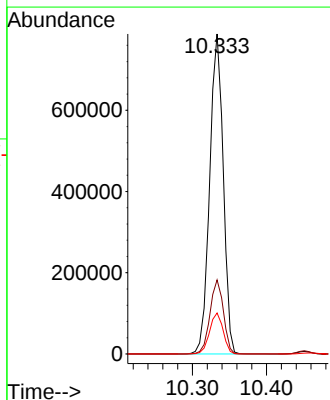
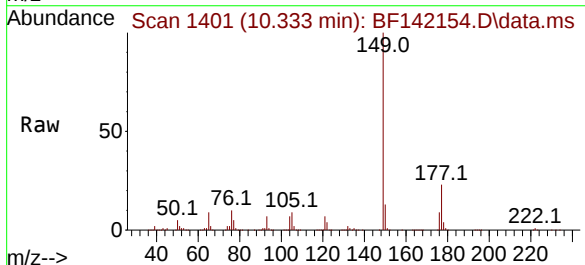
Instrument :
BNA_F
ClientSampleId :
PB167349BS

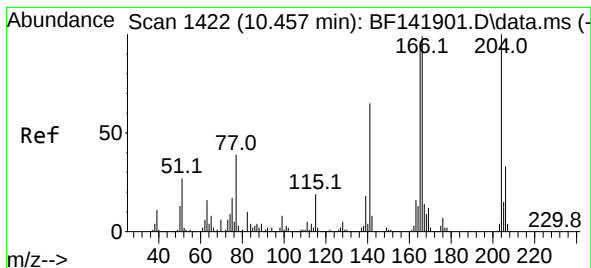
Tgt Ion:232 Resp: 284936
Ion Ratio Lower Upper
232 100
131 43.7 37.3 55.9
130 2.4 1.9 2.9
166 29.6 24.8 37.2



#60
Diethylphthalate
Concen: 43.901 ng
RT: 10.333 min Scan# 1401
Delta R.T. -0.006 min
Lab File: BF142154.D
Acq: 28 Mar 2025 12:02

Tgt Ion:149 Resp: 999734
Ion Ratio Lower Upper
149 100
177 23.2 18.0 27.0
150 12.8 10.2 15.4

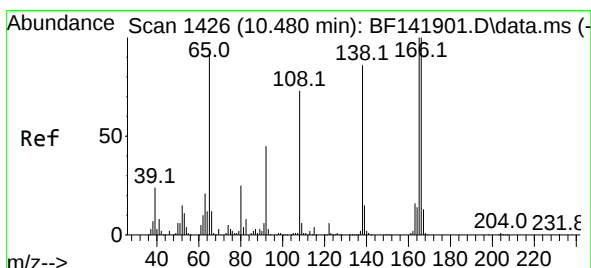
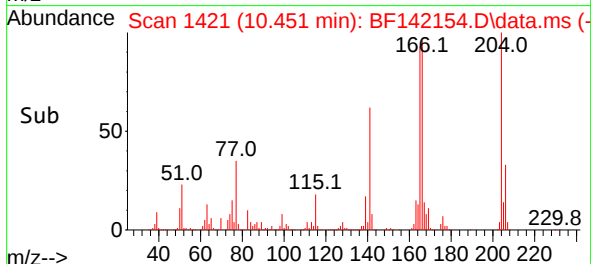
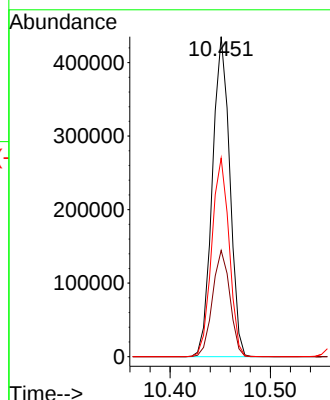
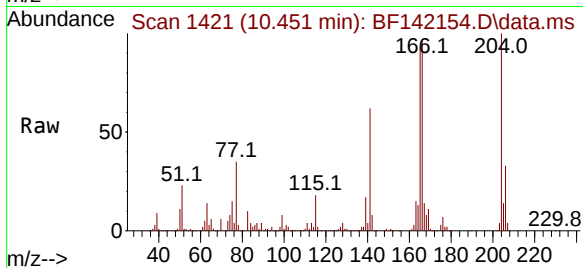




#61
4-Chlorophenyl-phenylether
Concen: 47.544 ng
RT: 10.451 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF142154.D
Acq: 28 Mar 2025 12:02

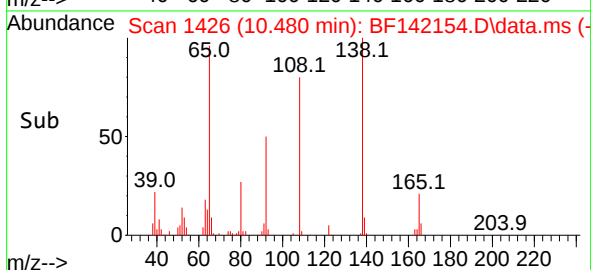
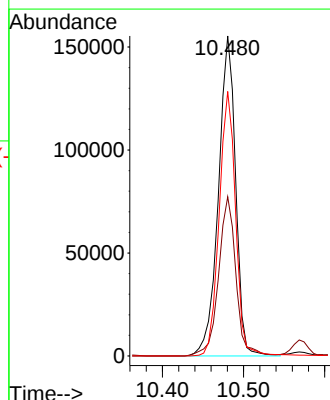
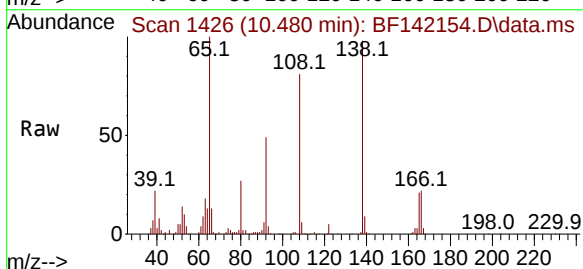
Instrument :
BNA_F
ClientSampleId :
PB167349BS

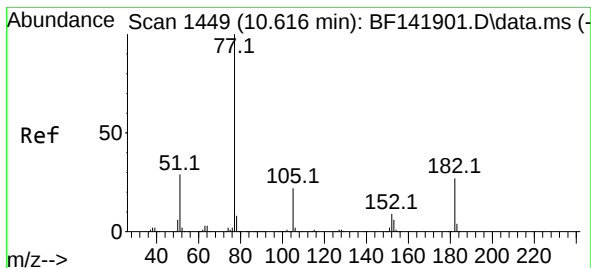
Tgt Ion:204 Resp: 526088
Ion Ratio Lower Upper
204 100
206 33.2 26.8 40.2
141 62.0 52.4 78.6



#62
4-Nitroaniline
Concen: 49.002 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF142154.D
Acq: 28 Mar 2025 12:02

Tgt Ion:138 Resp: 230108
Ion Ratio Lower Upper
138 100
92 49.7 32.6 72.6
108 82.7 65.0 105.0

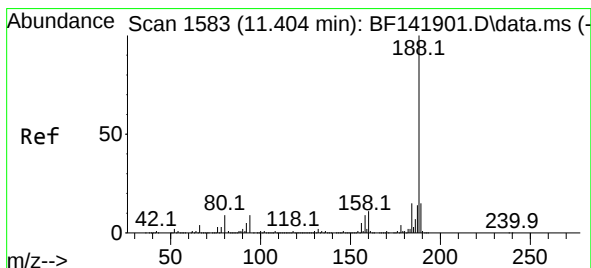
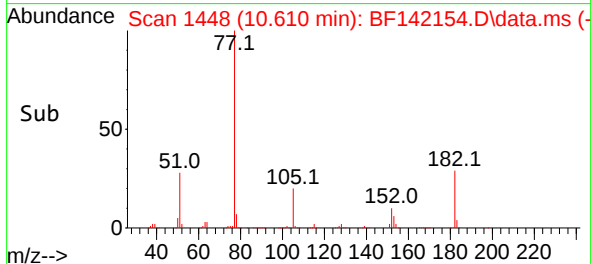
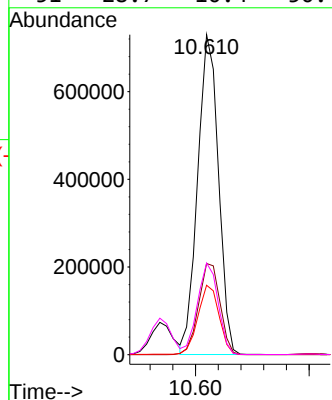
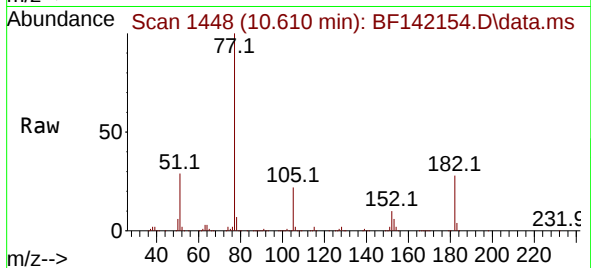




#63
Azobenzene
Concen: 43.852 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF142154.D
Acq: 28 Mar 2025 12:02

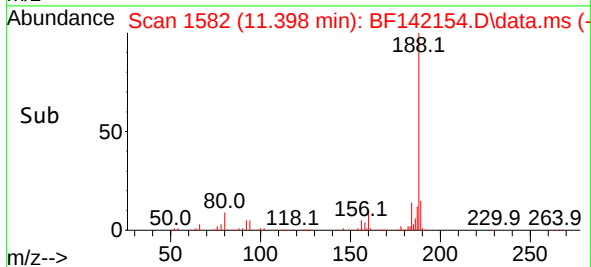
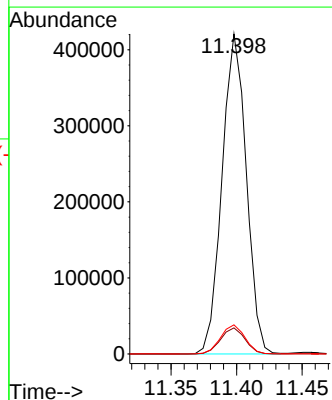
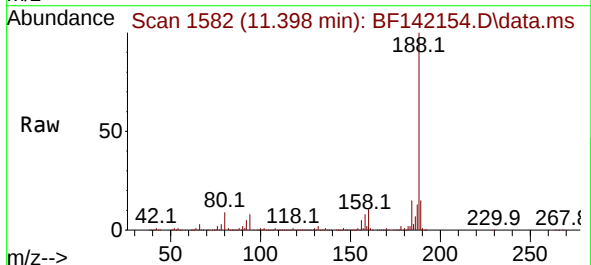
Instrument :
BNA_F
ClientSampleId :
PB167349BS

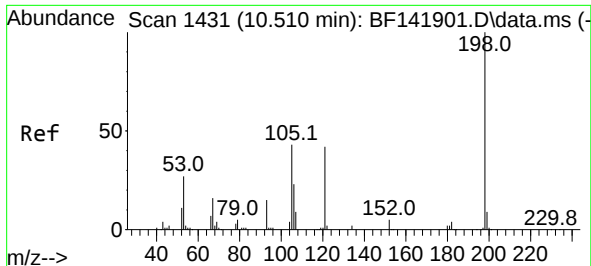
Tgt Ion:	77	Resp:	928430
Ion	Ratio	Lower	Upper
77	100		
182	28.5	6.6	46.6
105	21.7	1.3	41.3
51	28.7	10.4	50.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF142154.D
Acq: 28 Mar 2025 12:02

Tgt Ion:	188	Resp:	541194
Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.8	10.2
80	9.1	7.6	11.4

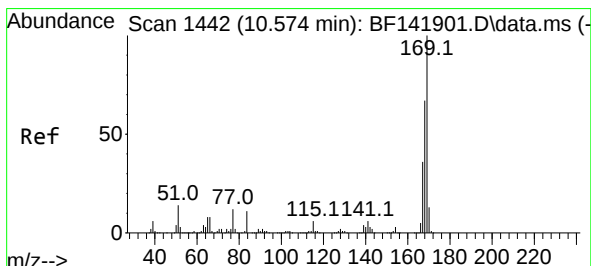
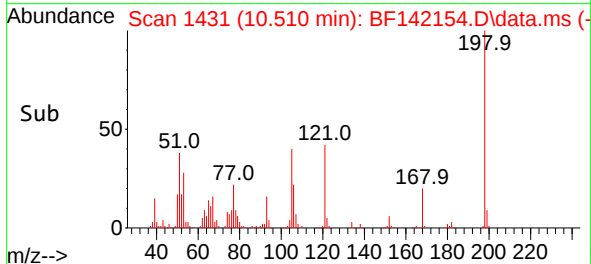
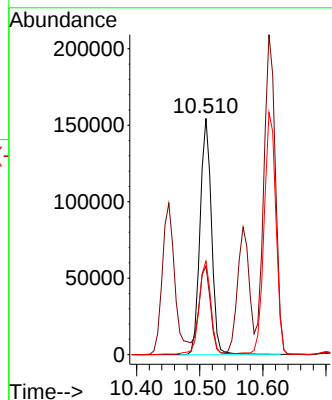
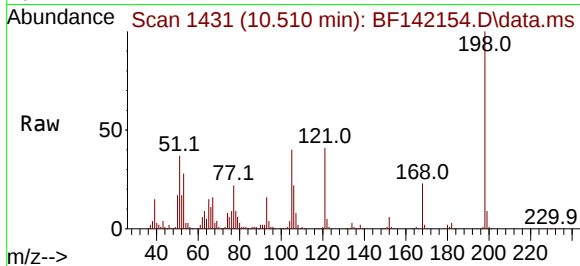




#65
4,6-Dinitro-2-methylphenol
Concen: 60.028 ng
RT: 10.510 min Scan# 1431
Delta R.T. -0.000 min
Lab File: BF142154.D
Acq: 28 Mar 2025 12:02

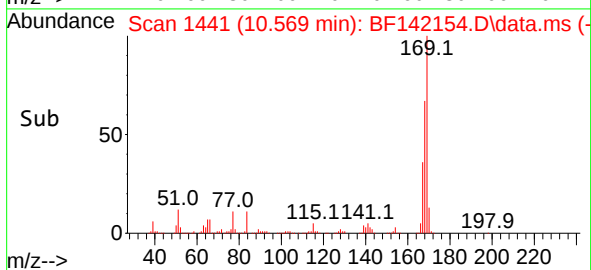
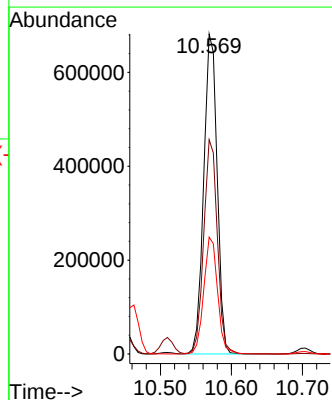
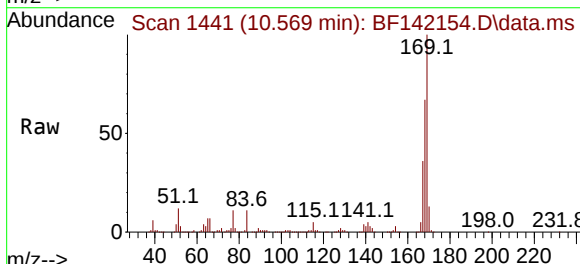
Instrument :
BNA_F
ClientSampleId :
PB167349BS

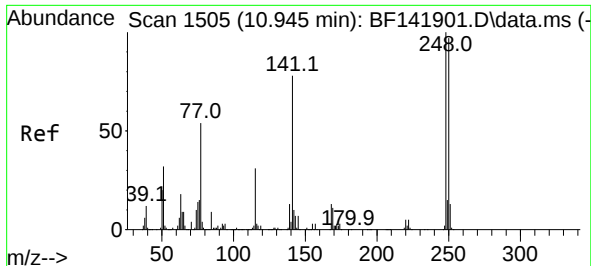
Tgt Ion:198 Resp: 193669
Ion Ratio Lower Upper
198 100
51 37.5 22.3 62.3
105 39.6 23.0 63.0



#66
n-Nitrosodiphenylamine
Concen: 51.233 ng
RT: 10.569 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF142154.D
Acq: 28 Mar 2025 12:02

Tgt Ion:169 Resp: 897261
Ion Ratio Lower Upper
169 100
168 66.9 53.7 80.5
167 36.5 29.2 43.8





#67

4-Bromophenyl-phenylether

Concen: 48.010 ng

RT: 10.939 min Scan# 1504

Delta R.T. -0.006 min

Lab File: BF142154.D

Acq: 28 Mar 2025 12:02

Instrument :

BNA_F

ClientSampleId :

PB167349BS

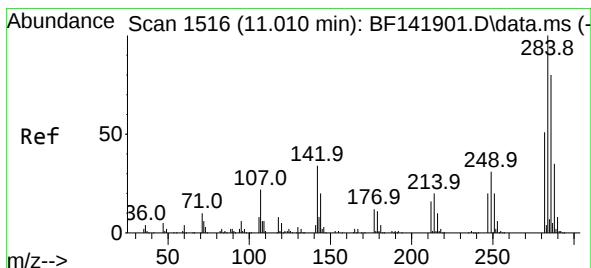
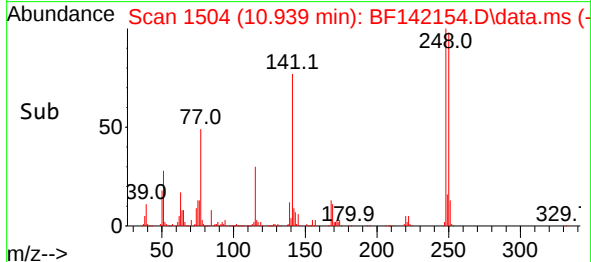
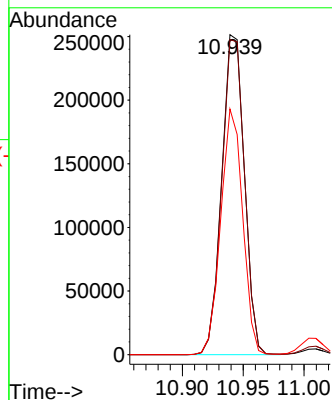
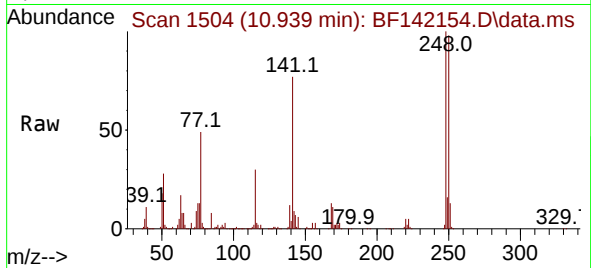
Tgt Ion:248 Resp: 326312

Ion Ratio Lower Upper

248 100

250 98.5 77.8 116.8

141 76.8 62.6 93.8



#68

Hexachlorobenzene

Concen: 51.452 ng

RT: 11.010 min Scan# 1516

Delta R.T. -0.000 min

Lab File: BF142154.D

Acq: 28 Mar 2025 12:02

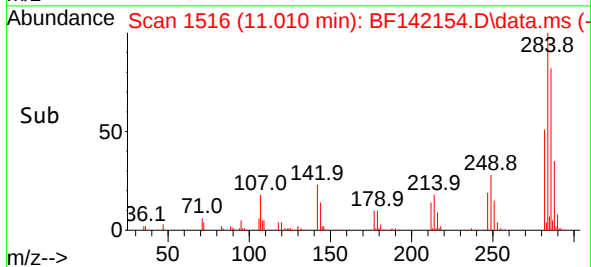
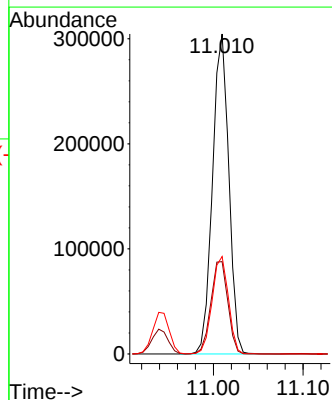
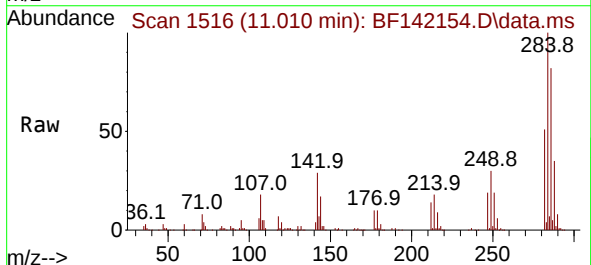
Tgt Ion:284 Resp: 383548

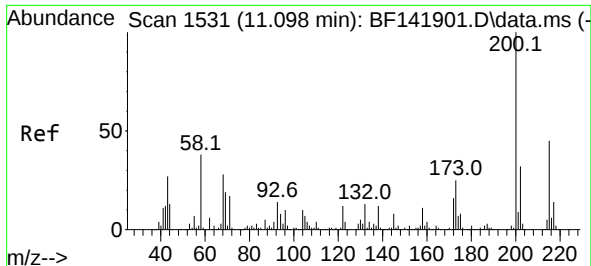
Ion Ratio Lower Upper

284 100

142 28.8 27.0 40.6

249 30.5 25.2 37.8

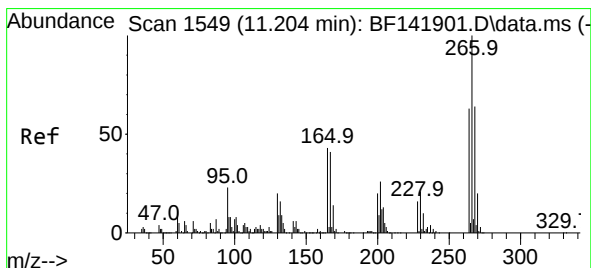
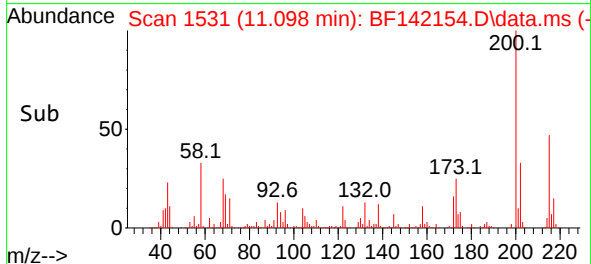
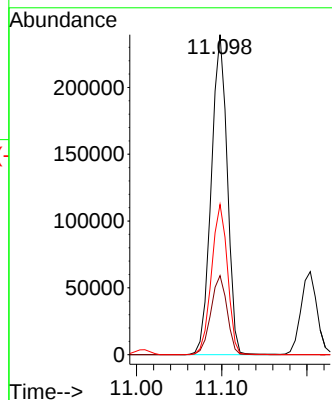
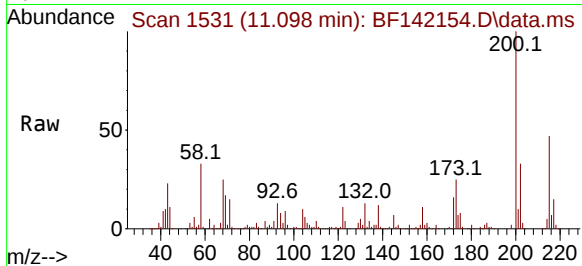




#69
 Atrazine
 Concen: 58.146 ng
 RT: 11.098 min Scan# 1531
 Delta R.T. -0.000 min
 Lab File: BF142154.D
 Acq: 28 Mar 2025 12:02

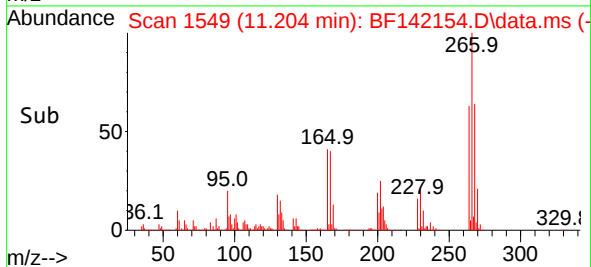
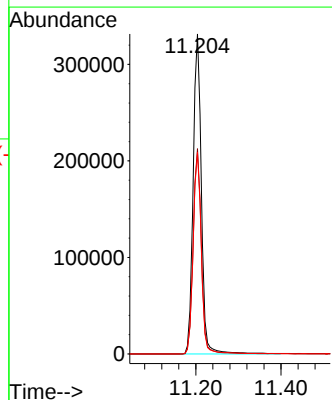
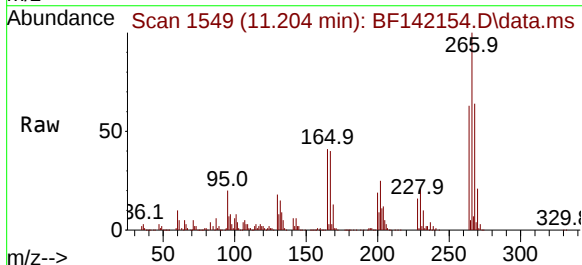
Instrument :
 BNA_F
 ClientSampleId :
 PB167349BS

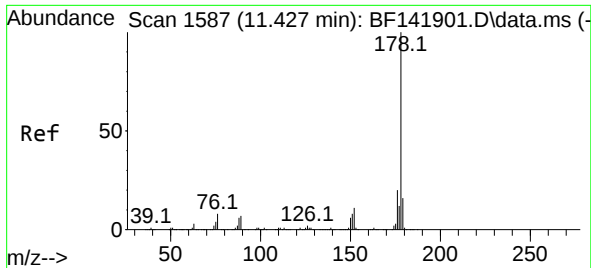
Tgt Ion:200 Resp: 312180
 Ion Ratio Lower Upper
 200 100
 173 24.7 4.7 44.7
 215 46.9 25.4 65.4



#70
 Pentachlorophenol
 Concen: 96.876 ng
 RT: 11.204 min Scan# 1549
 Delta R.T. 0.000 min
 Lab File: BF142154.D
 Acq: 28 Mar 2025 12:02

Tgt Ion:266 Resp: 444946
 Ion Ratio Lower Upper
 266 100
 268 64.1 51.0 76.6
 264 63.0 50.2 75.2

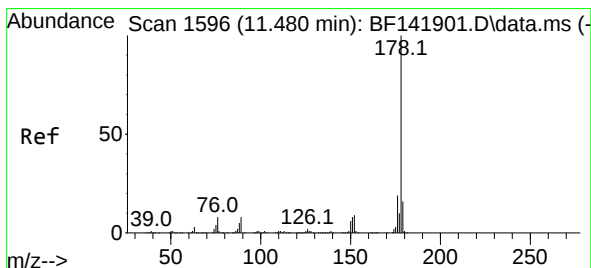
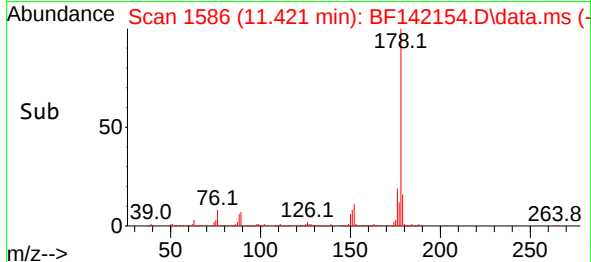
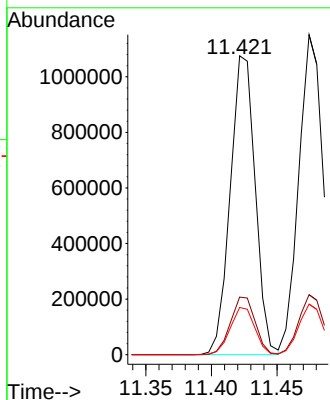
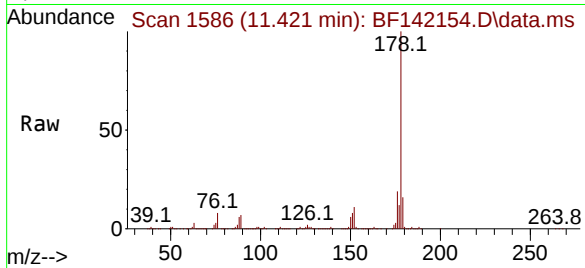




#71
Phenanthrene
Concen: 48.868 ng
RT: 11.421 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142154.D
Acq: 28 Mar 2025 12:02

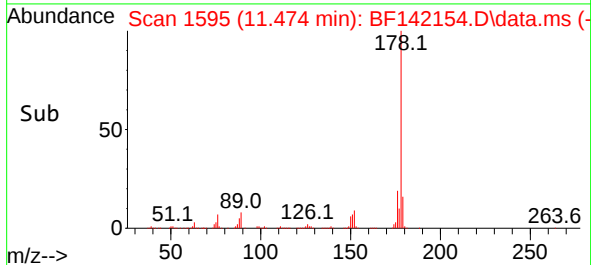
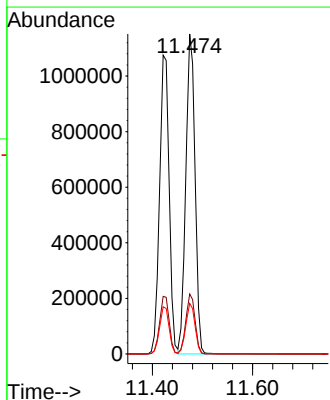
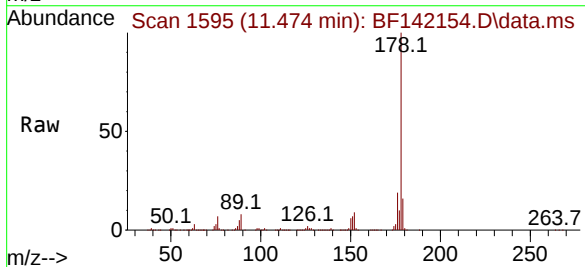
Instrument :
BNA_F
ClientSampleId :
PB167349BS

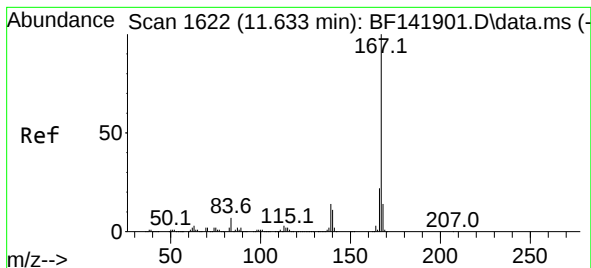
Tgt Ion:178 Resp: 1428498
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 15.8 12.6 19.0



#72
Anthracene
Concen: 50.492 ng
RT: 11.474 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF142154.D
Acq: 28 Mar 2025 12:02

Tgt Ion:178 Resp: 1480773
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 15.8 12.6 19.0





#73

Carbazole

Concen: 48.827 ng

RT: 11.627 min Scan# 1621

Delta R.T. -0.006 min

Lab File: BF142154.D

Acq: 28 Mar 2025 12:02

Instrument :

BNA_F

ClientSampleId :

PB167349BS

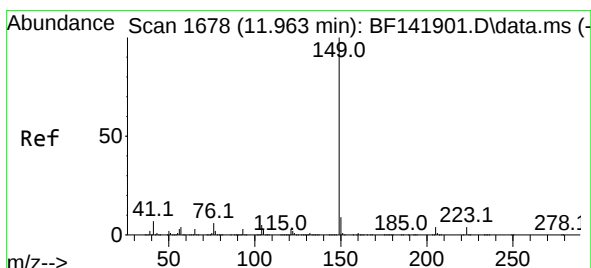
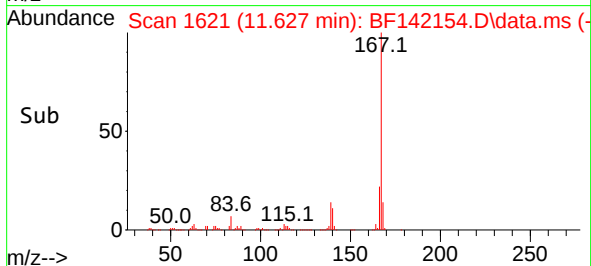
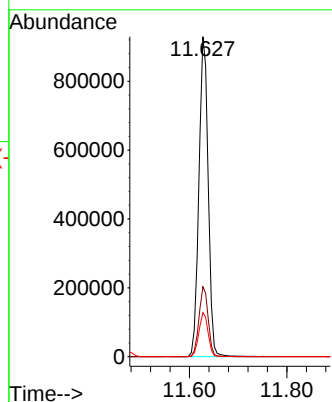
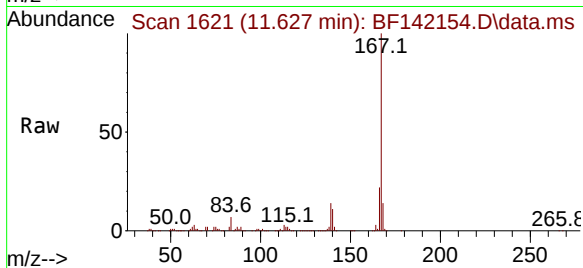
Tgt Ion:167 Resp: 1234919

Ion Ratio Lower Upper

167 100

166 21.9 17.4 26.2

139 13.8 11.0 16.6



#74

Di-n-butylphthalate

Concen: 46.187 ng

RT: 11.957 min Scan# 1677

Delta R.T. -0.006 min

Lab File: BF142154.D

Acq: 28 Mar 2025 12:02

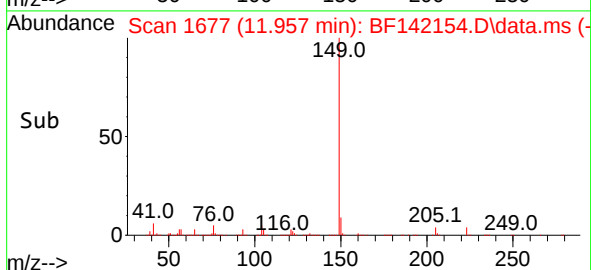
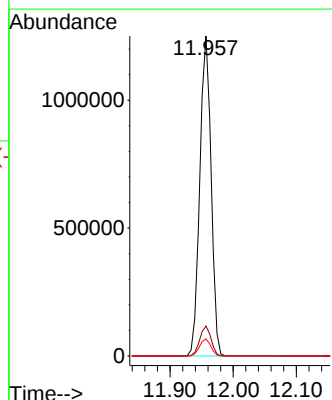
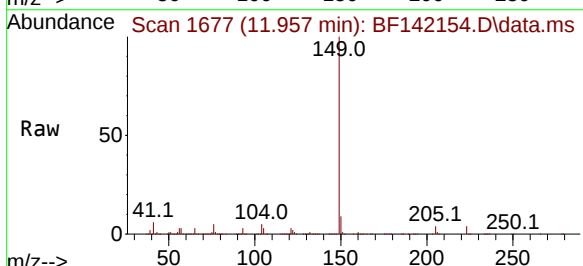
Tgt Ion:149 Resp: 1550019

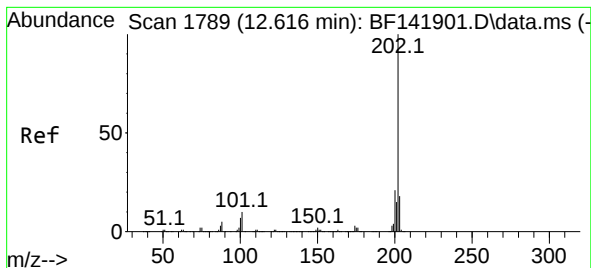
Ion Ratio Lower Upper

149 100

150 9.3 7.6 11.4

104 5.3 4.4 6.6





#75

Fluoranthene

Concen: 46.874 ng

RT: 12.610 min Scan# 1788

Delta R.T. -0.006 min

Lab File: BF142154.D

Acq: 28 Mar 2025 12:02

Instrument :

BNA_F

ClientSampleId :

PB167349BS

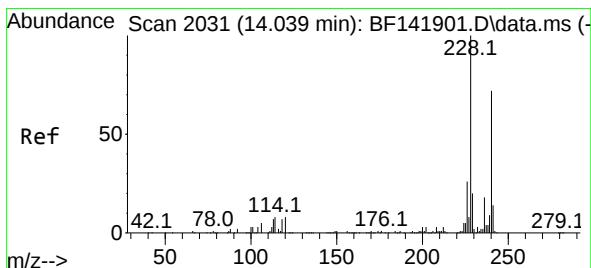
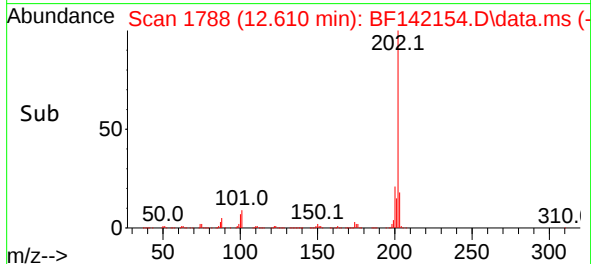
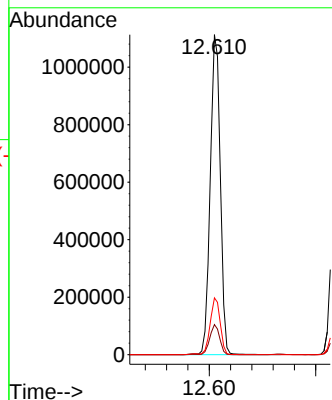
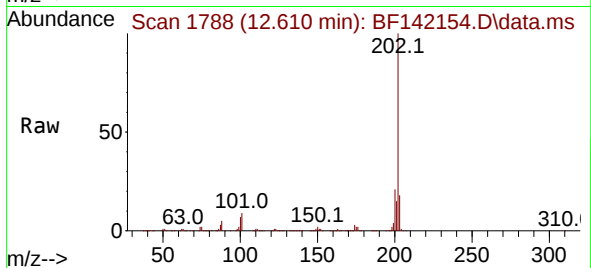
Tgt Ion:202 Resp: 1453458

Ion Ratio Lower Upper

202 100

101 9.4 0.0 29.7

203 17.8 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: BF142154.D

Acq: 28 Mar 2025 12:02

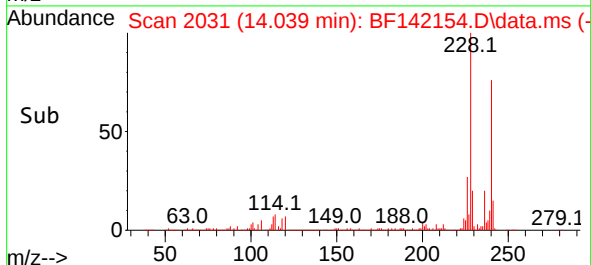
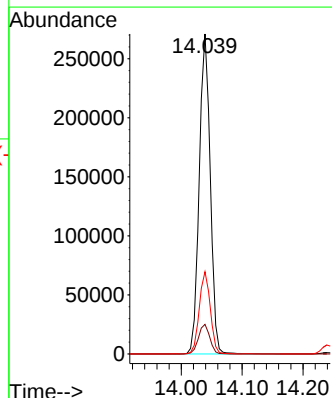
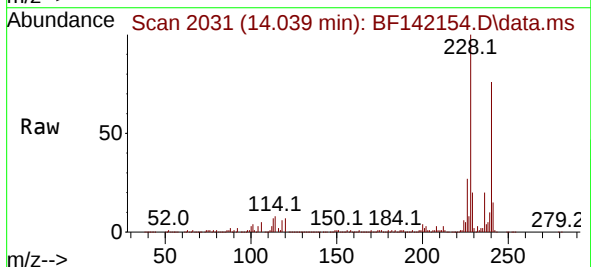
Tgt Ion:240 Resp: 339098

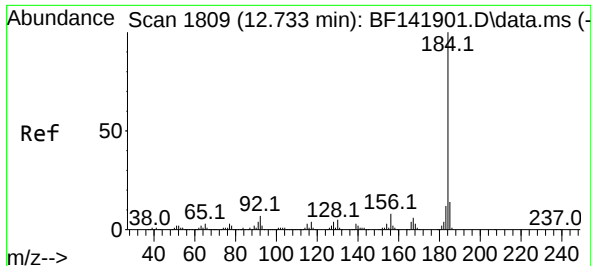
Ion Ratio Lower Upper

240 100

120 9.3 8.4 12.6

236 25.7 20.5 30.7

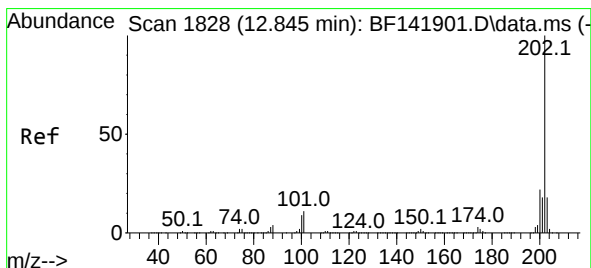
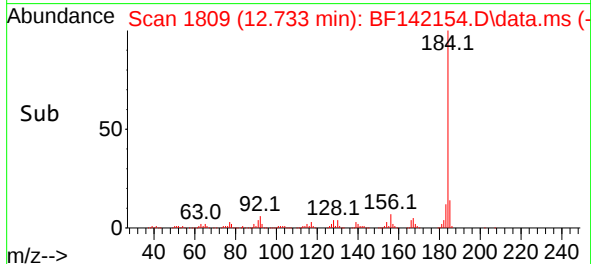
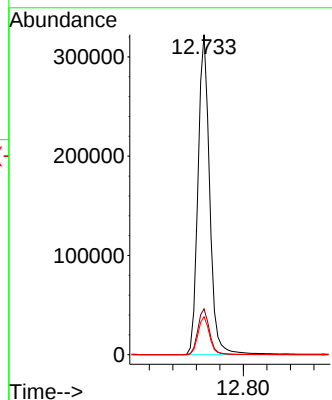
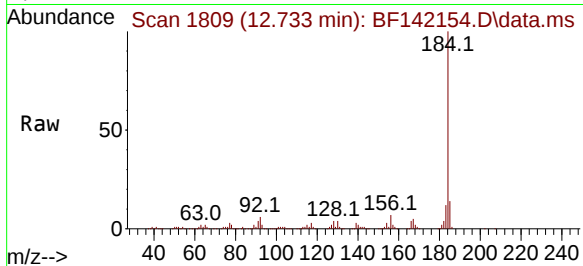




#77
Benzidine
Concen: 93.862 ng
RT: 12.733 min Scan# 1809
Delta R.T. -0.000 min
Lab File: BF142154.D
Acq: 28 Mar 2025 12:02

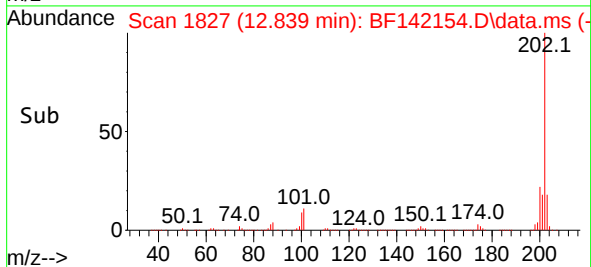
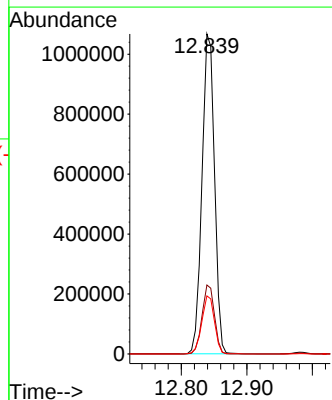
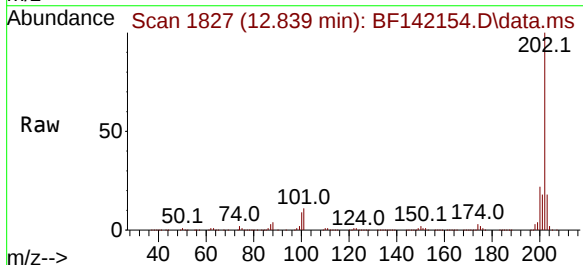
Instrument :
BNA_F
ClientSampleId :
PB167349BS

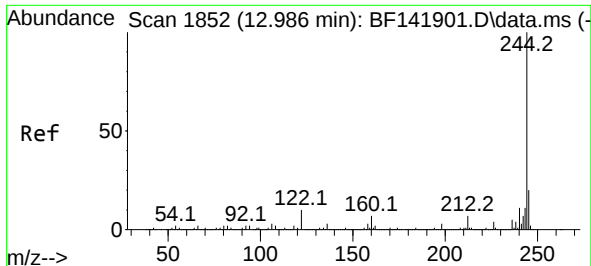
Tgt Ion:184 Resp: 444068
Ion Ratio Lower Upper
184 100
185 14.3 11.5 17.3
183 11.9 9.7 14.5



#78
Pyrene
Concen: 48.408 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF142154.D
Acq: 28 Mar 2025 12:02

Tgt Ion:202 Resp: 1419919
Ion Ratio Lower Upper
202 100
200 21.5 17.3 25.9
203 18.1 14.4 21.6

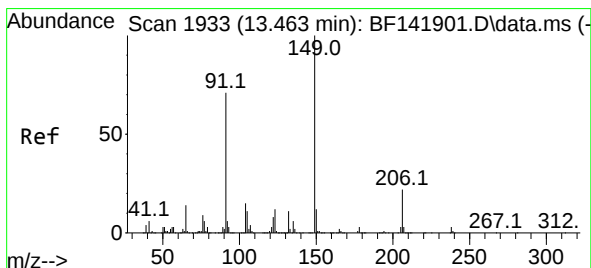
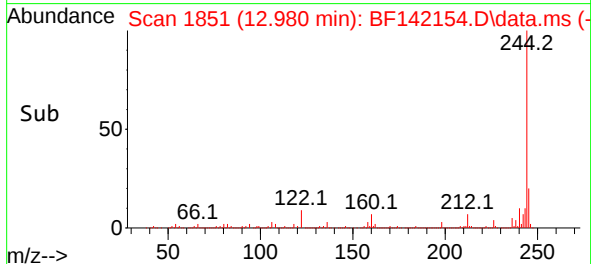
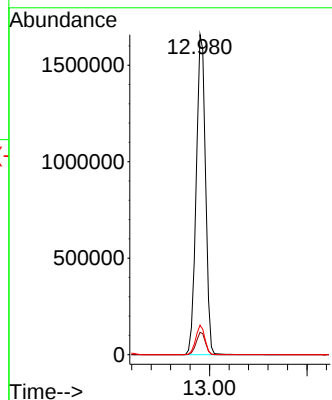
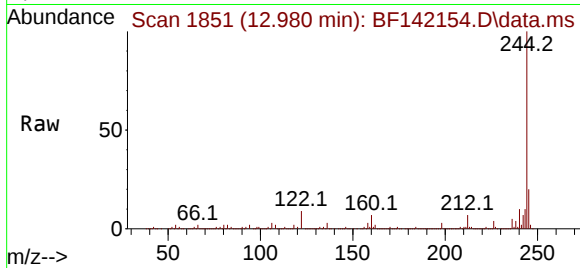




#79
 Terphenyl-d14
 Concen: 96.367 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF142154.D
 Acq: 28 Mar 2025 12:02

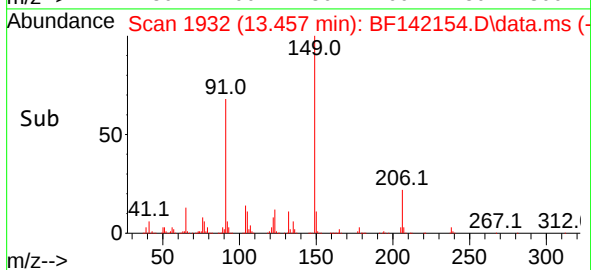
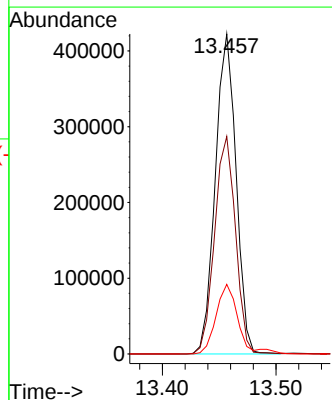
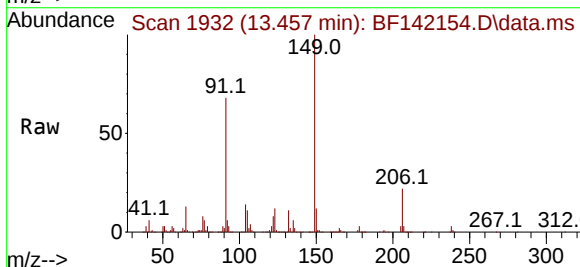
Instrument :
 BNA_F
 ClientSampleId :
 PB167349BS

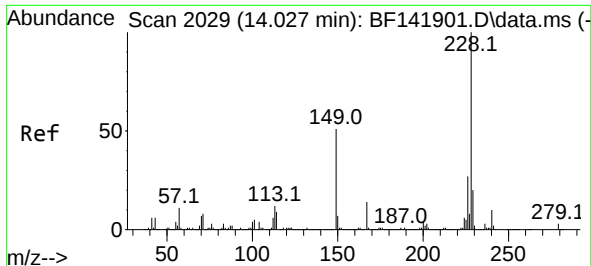
Tgt Ion:244 Resp: 2210262
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 9.2 7.7 11.5



#80
 Butylbenzylphthalate
 Concen: 46.795 ng
 RT: 13.457 min Scan# 1932
 Delta R.T. -0.006 min
 Lab File: BF142154.D
 Acq: 28 Mar 2025 12:02

Tgt Ion:149 Resp: 537240
 Ion Ratio Lower Upper
 149 100
 91 67.9 56.5 84.7
 206 21.7 17.3 25.9

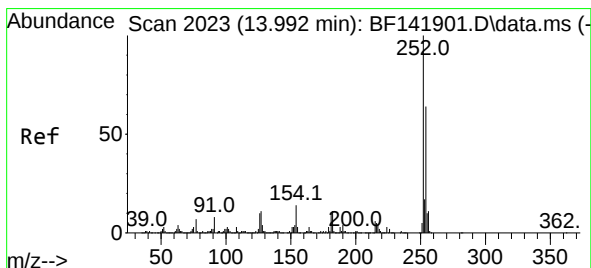
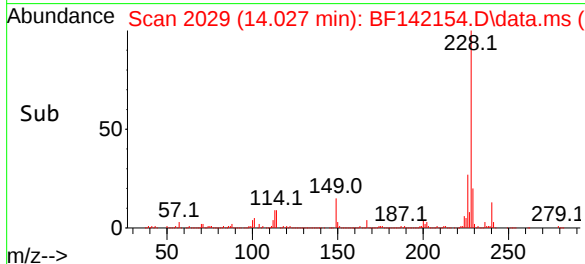
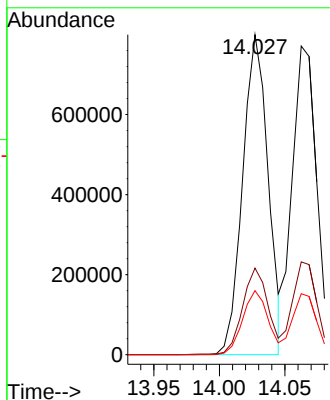
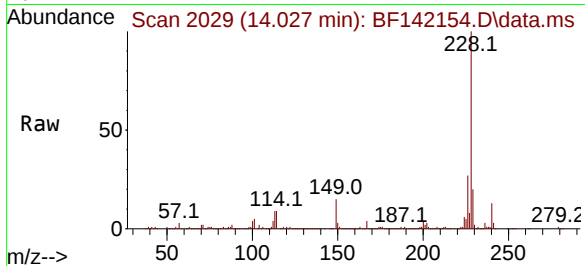




#81
Benzo(a)anthracene
Concen: 48.497 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.000 min
Lab File: BF142154.D
Acq: 28 Mar 2025 12:02

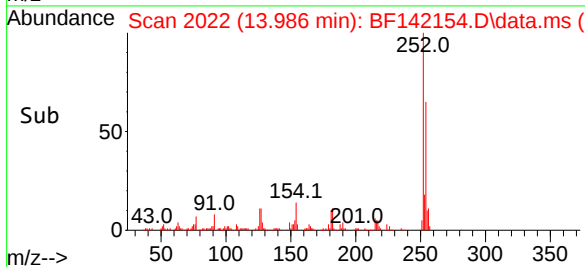
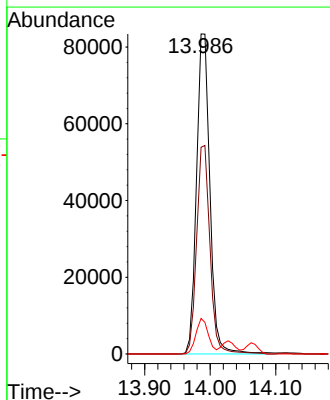
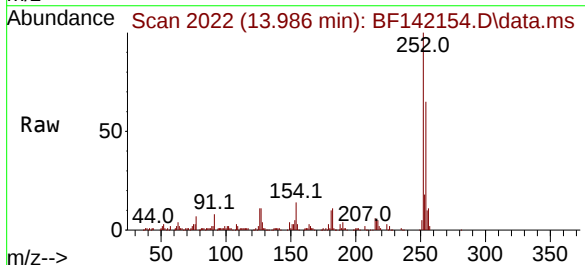
Instrument :
BNA_F
ClientSampleId :
PB167349BS

Tgt Ion:228 Resp: 1079150
Ion Ratio Lower Upper
228 100
226 27.1 21.8 32.8
229 20.0 16.0 24.0



#82
3,3'-Dichlorobenzidine
Concen: 18.494 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF142154.D
Acq: 28 Mar 2025 12:02

Tgt Ion:252 Resp: 118926
Ion Ratio Lower Upper
252 100
254 64.6 51.0 76.6
126 11.1 8.4 12.6





#83

Chrysene

Concen: 49.691 ng

RT: 14.062 min Scan# 2036

Delta R.T. -0.006 min

Lab File: BF142154.D

Acq: 28 Mar 2025 12:02

Instrument :

BNA_F

ClientSampleId :

PB167349BS

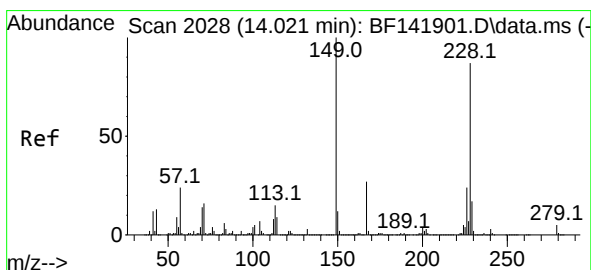
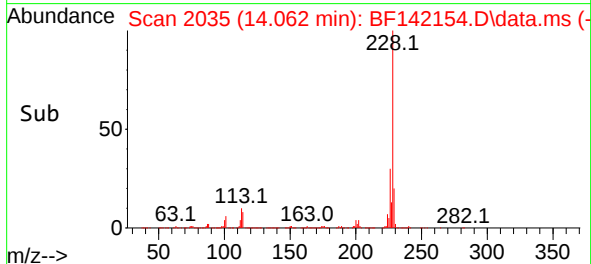
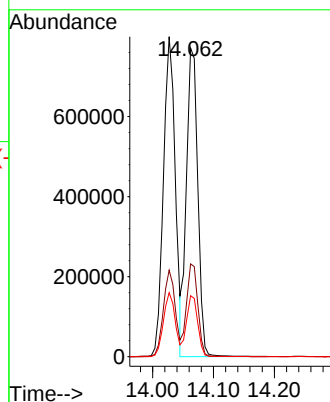
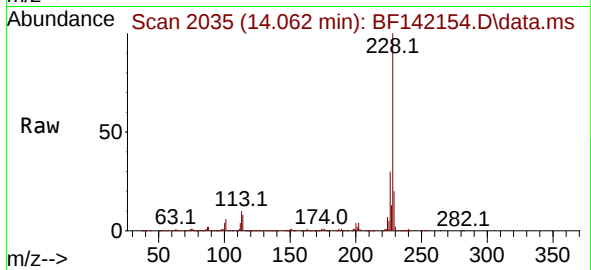
Tgt Ion:228 Resp: 1002295

Ion Ratio Lower Upper

228 100

226 30.1 24.1 36.1

229 19.7 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 45.476 ng

RT: 14.010 min Scan# 2026

Delta R.T. -0.012 min

Lab File: BF142154.D

Acq: 28 Mar 2025 12:02

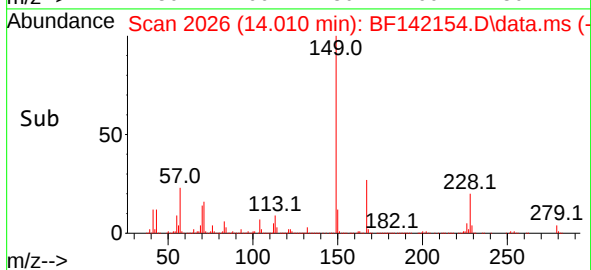
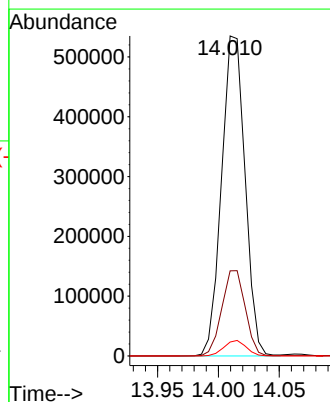
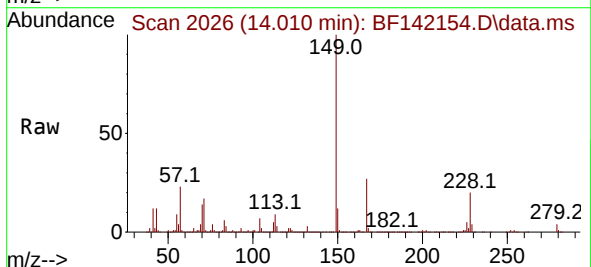
Tgt Ion:149 Resp: 719866

Ion Ratio Lower Upper

149 100

167 26.6 21.4 32.0

279 4.4 3.8 5.6





#85

Di-n-octyl phthalate

Concen: 49.402 ng

RT: 14.627 min Scan# 2131

Delta R.T. -0.006 min

Lab File: BF142154.D

Acq: 28 Mar 2025 12:02

Instrument :

BNA_F

ClientSampleId :

PB167349BS

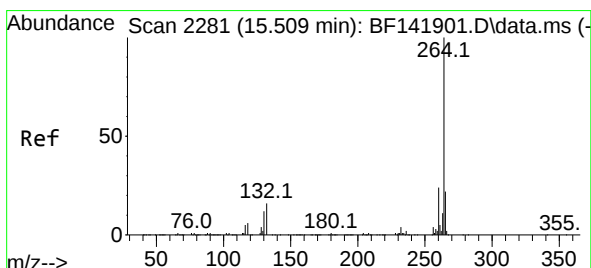
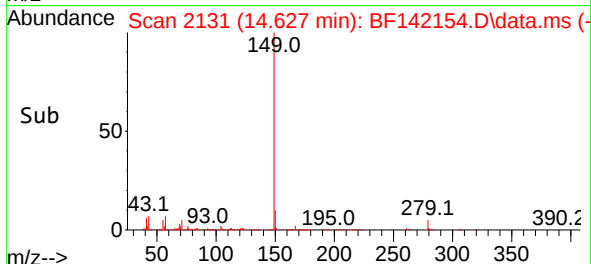
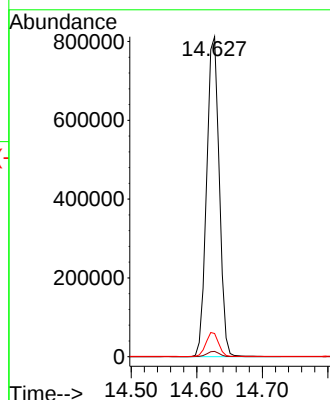
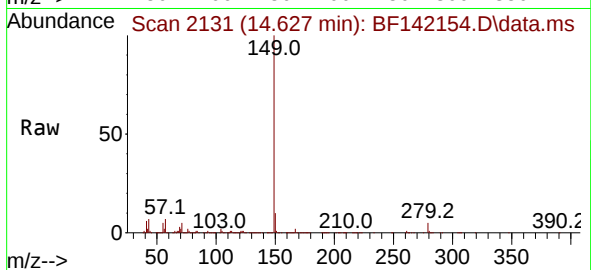
Tgt Ion:149 Resp: 1088094

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 7.6 6.9 10.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.515 min Scan# 2282

Delta R.T. 0.006 min

Lab File: BF142154.D

Acq: 28 Mar 2025 12:02

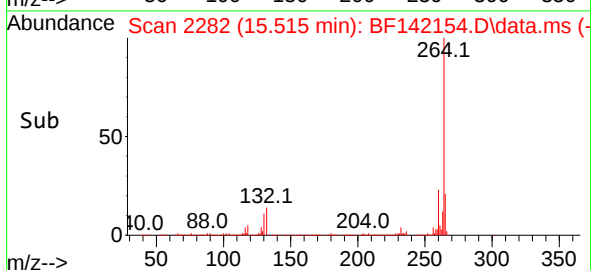
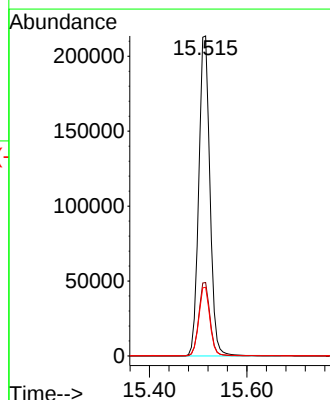
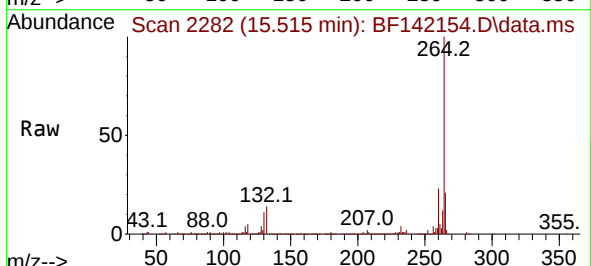
Tgt Ion:264 Resp: 340958

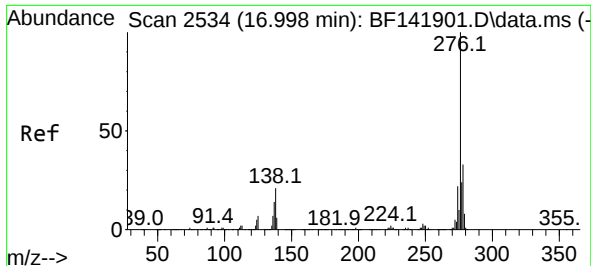
Ion Ratio Lower Upper

264 100

260 23.0 19.1 28.7

265 21.5 17.5 26.3

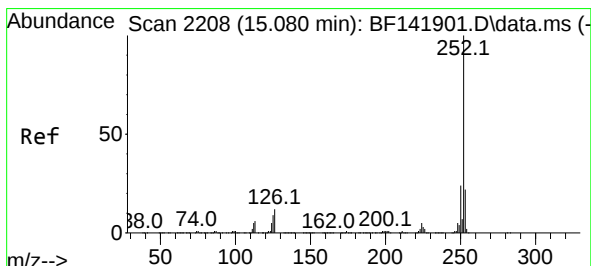
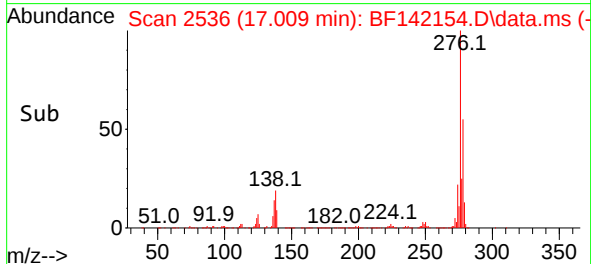
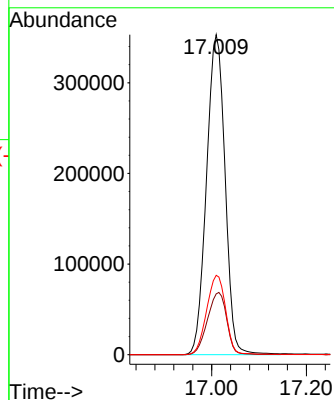
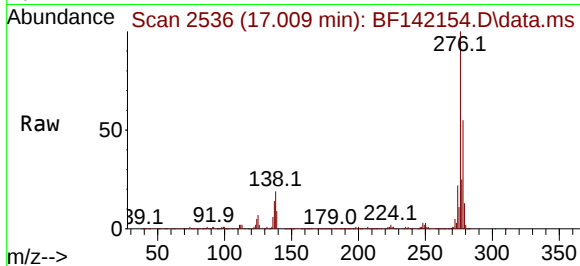




#87
Indeno(1,2,3-cd)pyrene
Concen: 43.549 ng
RT: 17.009 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF142154.D
Acq: 28 Mar 2025 12:02

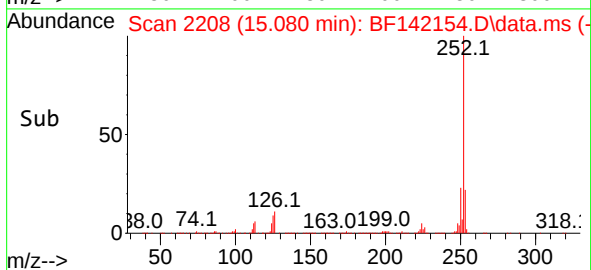
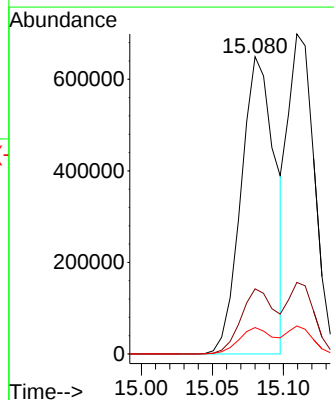
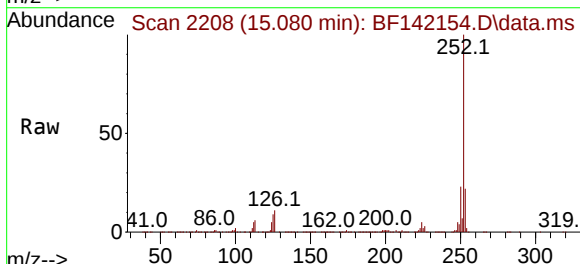
Instrument :
BNA_F
ClientSampleId :
PB167349BS

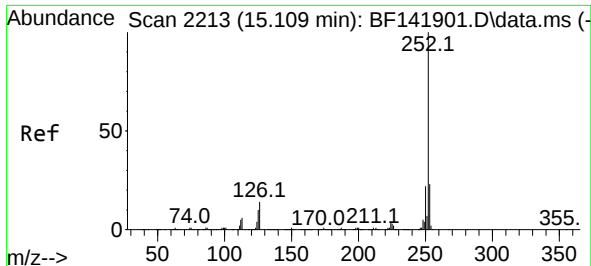
Tgt Ion:276 Resp: 960527
Ion Ratio Lower Upper
276 100
138 20.2 18.4 27.6
277 25.5 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 46.278 ng
RT: 15.080 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BF142154.D
Acq: 28 Mar 2025 12:02

Tgt Ion:252 Resp: 1081421
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 8.9 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 45.523 ng

RT: 15.109 min Scan# 2213

Delta R.T. -0.000 min

Lab File: BF142154.D

Acq: 28 Mar 2025 12:02

Instrument :

BNA_F

ClientSampleId :

PB167349BS

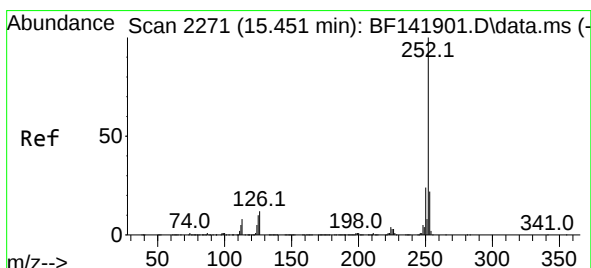
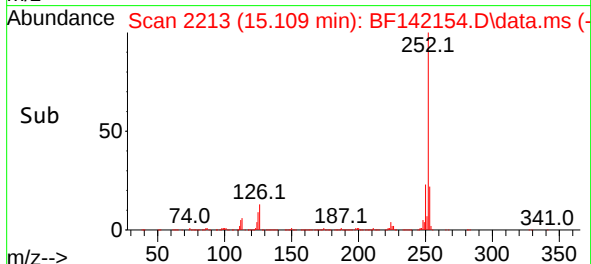
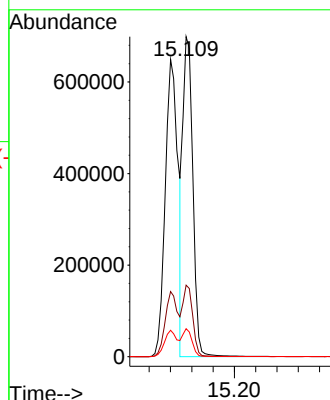
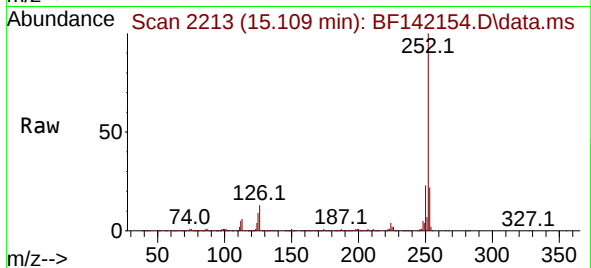
Tgt Ion:252 Resp: 910352

Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

125 8.7 7.2 10.8



#90

Benzo(a)pyrene

Concen: 51.723 ng

RT: 15.451 min Scan# 2271

Delta R.T. 0.000 min

Lab File: BF142154.D

Acq: 28 Mar 2025 12:02

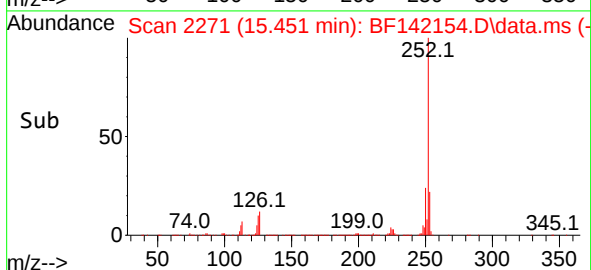
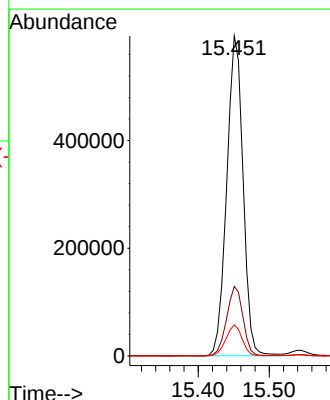
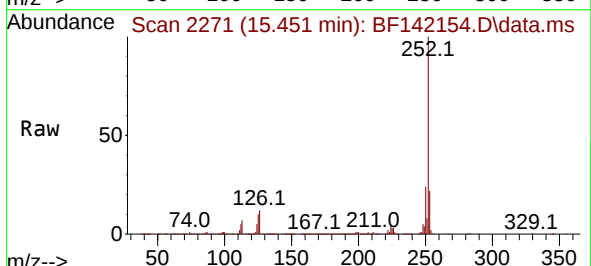
Tgt Ion:252 Resp: 945725

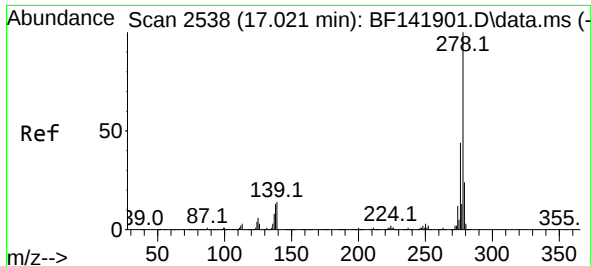
Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.0

125 9.7 7.8 11.8

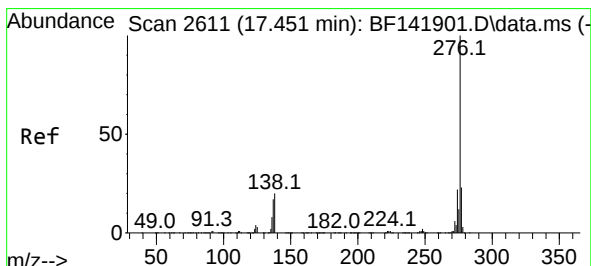
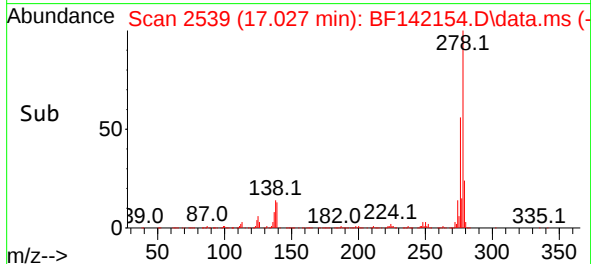
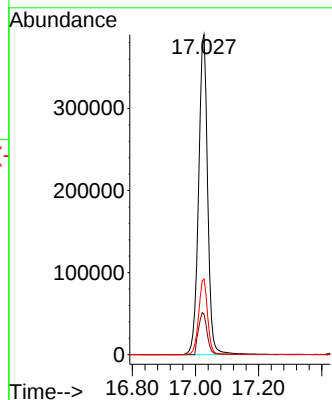
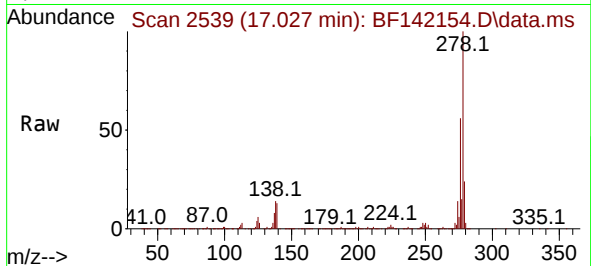




#91
 Dibenzo(a,h)anthracene
 Concen: 42.791 ng
 RT: 17.027 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF142154.D
 Acq: 28 Mar 2025 12:02

Instrument :
 BNA_F
 ClientSampleId :
 PB167349BS

Tgt Ion:278 Resp: 778712
 Ion Ratio Lower Upper
 278 100
 139 12.6 11.4 17.2
 279 23.7 18.8 28.2



#92
 Benzo(g,h,i)perylene
 Concen: 41.156 ng
 RT: 17.456 min Scan# 2612
 Delta R.T. 0.006 min
 Lab File: BF142154.D
 Acq: 28 Mar 2025 12:02

Tgt Ion:276 Resp: 740111
 Ion Ratio Lower Upper
 276 100
 277 23.8 18.7 28.1
 138 17.7 15.8 23.8

