

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032825\
 Data File : BF142168.D
 Acq On : 28 Mar 2025 19:03
 Operator : RC/JU
 Sample : Q1657-01MS
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11998MS

Quant Time: Mar 28 22:47:54 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	140909	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	532413	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	271504	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	390845	20.000	ng	0.00
76) Chrysene-d12	14.039	240	301779	20.000	ng	0.00
86) Perylene-d12	15.510	264	238105	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	683386	80.942	ng	0.00
7) Phenol-d6	6.498	99	904288	84.122	ng	0.00
23) Nitrobenzene-d5	7.434	82	580244	61.332	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	258592	75.076	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1113962	62.398	ng	-0.01
79) Terphenyl-d14	12.980	244	1039486	50.926	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.705	88	142736	40.348	ng	96
3) Pyridine	3.457	79	382502	44.080	ng	97
4) n-Nitrosodimethylamine	3.416	42	180537	43.645	ng	93
6) Aniline	6.534	93	178470	16.830	ng	94
8) 2-Chlorophenol	6.657	128	462208	49.361	ng	97
9) Benzaldehyde	6.422	77	287075	47.750	ng	97
10) Phenol	6.516	94	514573	45.501	ng	100
11) bis(2-Chloroethyl)ether	6.604	93	392487	46.220	ng	98
12) 1,3-Dichlorobenzene	6.810	146	495449	49.009	ng	99
13) 1,4-Dichlorobenzene	6.887	146	501330	49.013	ng	99
14) 1,2-Dichlorobenzene	7.040	146	478114	49.627	ng	99
15) Benzyl Alcohol	7.010	79	394672	45.414	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.145	45	438745	42.797	ng	95
17) 2-Methylphenol	7.122	107	356449	47.876	ng	99
18) Hexachloroethane	7.381	117	184662	48.145	ng	97
19) n-Nitroso-di-n-propyla...	7.287	70	294856	42.688	ng	98
20) 3+4-Methylphenols	7.275	107	443994	46.558	ng	# 80
22) Acetophenone	7.281	105	599168	46.993	ng	97
24) Nitrobenzene	7.457	77	455161	48.395	ng	97
25) Isophorone	7.692	82	823675	49.253	ng	99
26) 2-Nitrophenol	7.769	139	238328	51.630	ng	99
27) 2,4-Dimethylphenol	7.804	122	407786	64.156	ng	98
28) bis(2-Chloroethoxy)met...	7.904	93	501823	47.842	ng	99
29) 2,4-Dichlorophenol	8.010	162	376286	47.695	ng	99
30) 1,2,4-Trichlorobenzene	8.092	180	429510	49.401	ng	100
31) Naphthalene	8.175	128	1276760	46.684	ng	100
32) Benzoic acid	7.904	122	31179	5.580	ng	97
33) 4-Chloroaniline	8.222	127	68701	7.116	ng	97
34) Hexachlorobutadiene	8.292	225	297645	52.494	ng	99
35) Caprolactam	8.592	113	73931	30.737	ng	88
36) 4-Chloro-3-methylphenol	8.710	107	391029	44.432	ng	98
37) 2-Methylnaphthalene	8.869	142	776906	42.499	ng	100
38) 1-Methylnaphthalene	8.969	142	855242	48.482	ng	100
40) 1,2,4,5-Tetrachloroben...	9.034	216	444625	53.788	ng	99
41) Hexachlorocyclopentadiene	9.022	237	328679	101.599	ng	98
43) 2,4,6-Trichlorophenol	9.145	196	268187	49.643	ng	100

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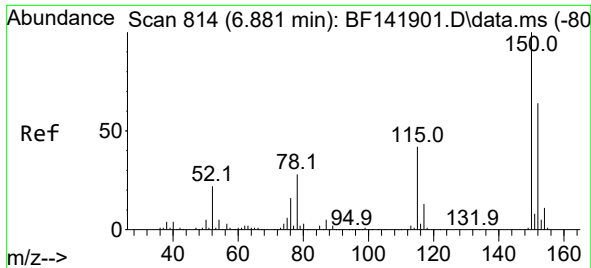
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.187	196	280235	51.218	ng	98
46) 1,1'-Biphenyl	9.334	154	1132572	54.901	ng	99
47) 2-Chloronaphthalene	9.357	162	787727	51.231	ng	98
48) 2-Nitroaniline	9.451	65	220864	49.610	ng	96
49) Acenaphthylene	9.775	152	1197738	52.492	ng	100
50) Dimethylphthalate	9.634	163	964035	50.705	ng	100
51) 2,6-Dinitrotoluene	9.698	165	203019	51.285	ng	90
52) Acenaphthene	9.945	154	1026073	63.990	ng	99
53) 3-Nitroaniline	9.863	138	85584	21.313	ng	97
54) 2,4-Dinitrophenol	9.969	184	45184	25.012	ng	# 57
55) Dibenzofuran	10.116	168	1341840	58.564	ng	99
56) 4-Nitrophenol	10.022	139	258354	85.316	ng	97
57) 2,4-Dinitrotoluene	10.098	165	267559	51.748	ng	98
58) Fluorene	10.463	166	1102801	62.414	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.234	232	207462	41.669	ng	96
60) Diethylphthalate	10.328	149	904966	47.735	ng	100
61) 4-Chlorophenyl-phenyle...	10.451	204	444921	48.299	ng	97
62) 4-Nitroaniline	10.475	138	161487	41.308	ng	98
63) Azobenzene	10.610	77	783018	44.425	ng	92
65) 4,6-Dinitro-2-methylph...	10.504	198	53812	23.095	ng	99
66) n-Nitrosodiphenylamine	10.569	169	708804	56.041	ng	99
67) 4-Bromophenyl-phenylether	10.939	248	272646	55.545	ng	97
68) Hexachlorobenzene	11.010	284	291070	54.066	ng	93
69) Atrazine	11.098	200	246692	63.624	ng	98
70) Pentachlorophenol	11.204	266	246750	74.390	ng	99
71) Phenanthrene	11.428	178	2269451	107.502	ng	100
72) Anthracene	11.475	178	1228097	57.985	ng	100
73) Carbazole	11.628	167	907178	49.666	ng	100
74) Di-n-butylphthalate	11.957	149	1219878	50.333	ng	100
75) Fluoranthene	12.616	202	1668748	74.519	ng	99
77) Benzidine	12.733	184	330075	78.395	ng	99
78) Pyrene	12.845	202	1503337	57.590	ng	99
80) Butylbenzylphthalate	13.457	149	471258	46.124	ng	98
81) Benzo(a)anthracene	14.027	228	1143419	57.740	ng	99
82) 3,3'-Dichlorobenzidine	13.992	252	82696	14.450	ng	99
83) Chrysene	14.069	228	1038293	57.842	ng	99
84) Bis(2-ethylhexyl)phtha...	14.010	149	686609	48.739	ng	100
85) Di-n-octyl phthalate	14.627	149	1109975	56.628	ng	98
87) Indeno(1,2,3-cd)pyrene	17.010	276	768786	49.913	ng	97
88) Benzo(b)fluoranthene	15.080	252	936890	57.412	ng	99
89) Benzo(k)fluoranthene	15.110	252	737097	52.781	ng	99
90) Benzo(a)pyrene	15.451	252	746382	58.454	ng	99
91) Dibenzo(a,h)anthracene	17.021	278	614383	48.345	ng	98
92) Benzo(g,h,i)perylene	17.457	276	597197	47.553	ng	97

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

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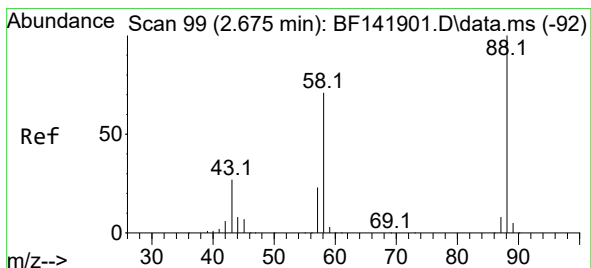
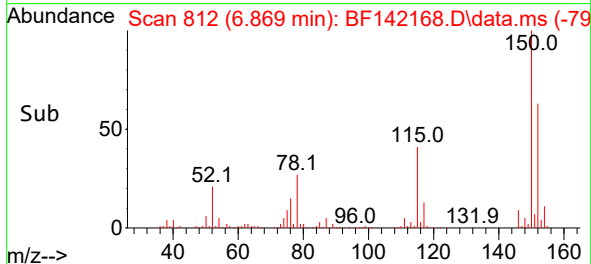
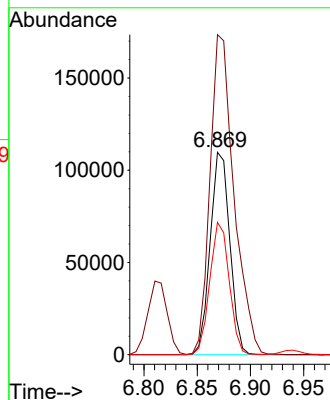
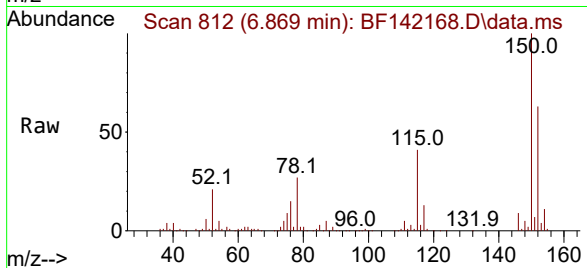




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.869 min Scan# 814
 Delta R.T. -0.012 min
 Lab File: BF142168.D
 Acq: 28 Mar 2025 19:03

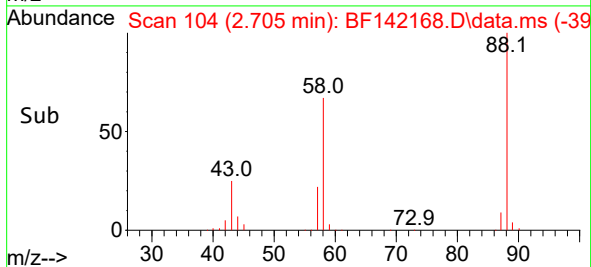
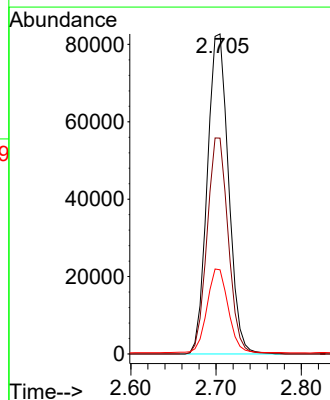
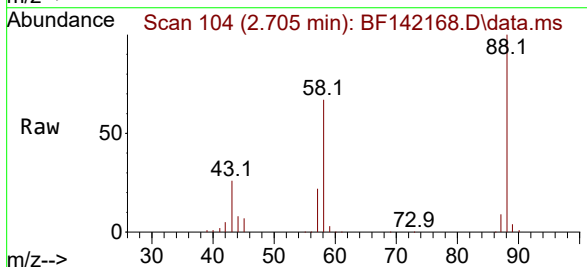
Instrument :
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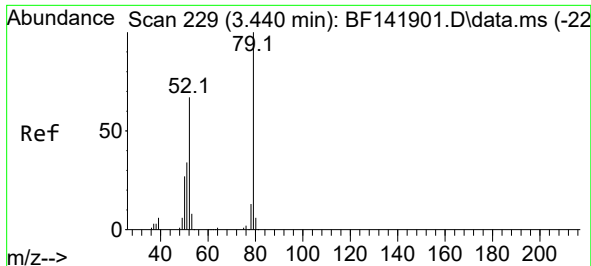
Tgt Ion:152 Resp: 140909
 Ion Ratio Lower Upper
 152 100
 150 158.1 127.4 191.2
 115 65.4 51.9 77.9



#2
 1,4-Dioxane
 Concen: 40.348 ng
 RT: 2.705 min Scan# 104
 Delta R.T. 0.030 min
 Lab File: BF142168.D
 Acq: 28 Mar 2025 19:03

Tgt Ion: 88 Resp: 142736
 Ion Ratio Lower Upper
 88 100
 58 67.5 57.4 86.2
 43 26.6 21.5 32.3





#3

Pyridine

Concen: 44.080 ng

RT: 3.457 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF142168.D

Acq: 28 Mar 2025 19:03

Instrument :

BNA_F

ClientSampleId :

72-11998MS

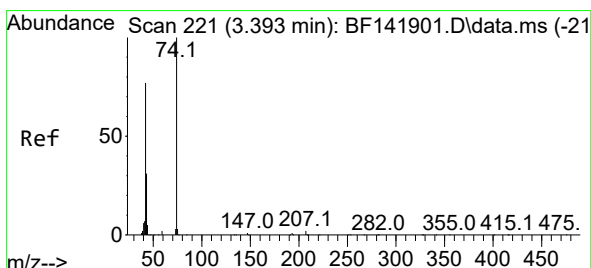
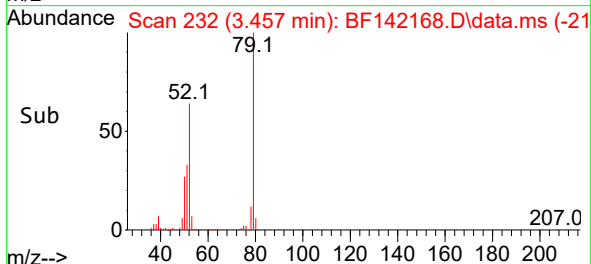
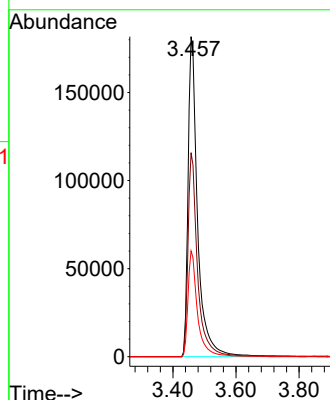
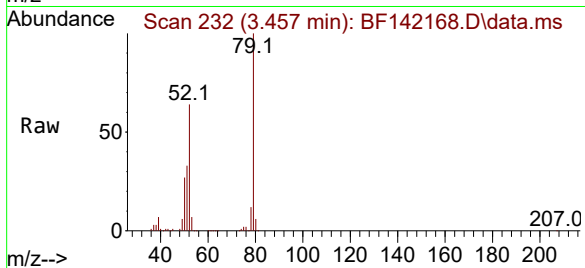
Tgt Ion: 79 Resp: 382502

Ion Ratio Lower Upper

79 100

52 63.7 53.3 79.9

51 33.0 27.6 41.4



#4

n-Nitrosodimethylamine

Concen: 43.645 ng

RT: 3.416 min Scan# 225

Delta R.T. 0.024 min

Lab File: BF142168.D

Acq: 28 Mar 2025 19:03

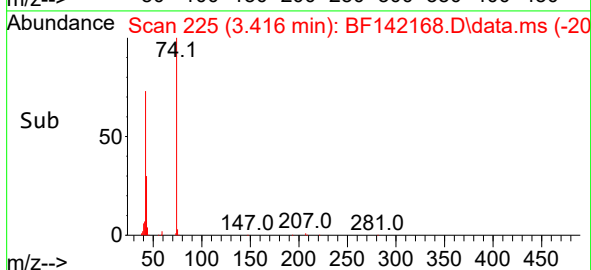
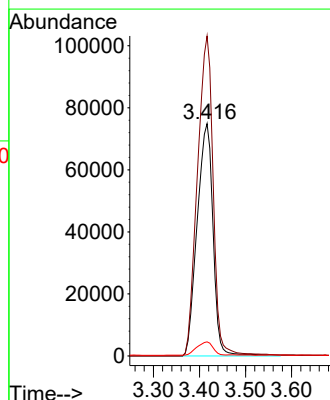
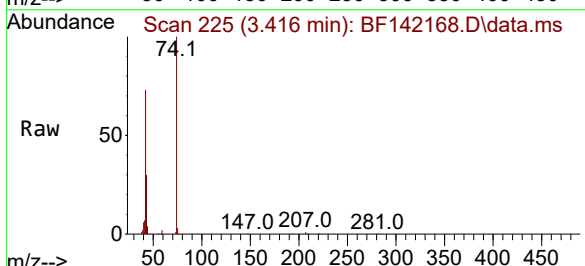
Tgt Ion: 42 Resp: 180537

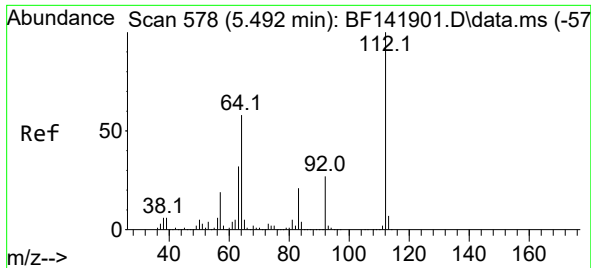
Ion Ratio Lower Upper

42 100

74 137.7 103.4 155.0

44 6.1 5.0 7.4

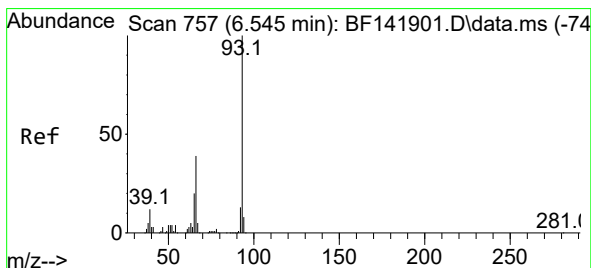
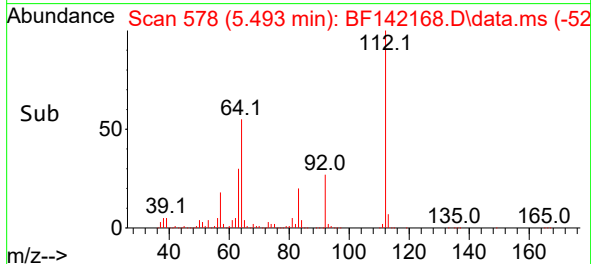
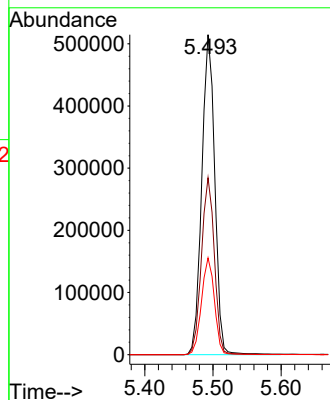
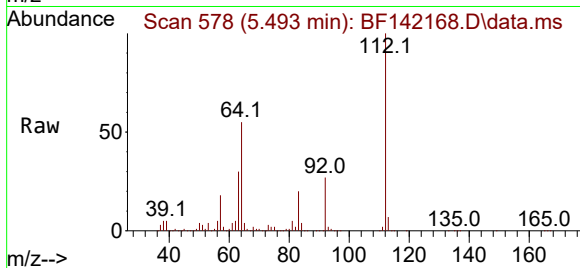




#5
2-Fluorophenol
Concen: 80.942 ng
RT: 5.493 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

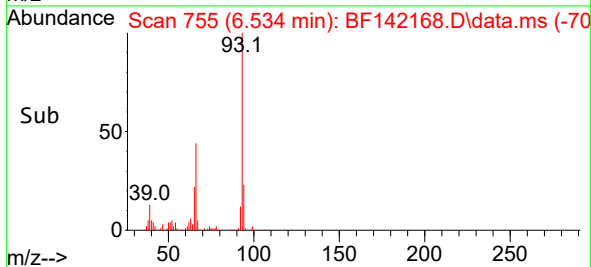
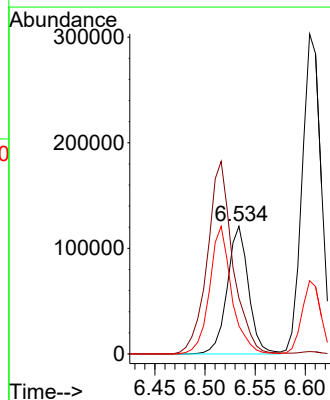
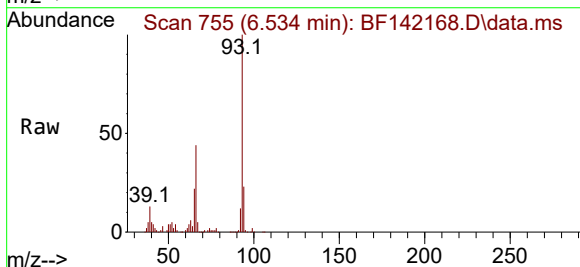
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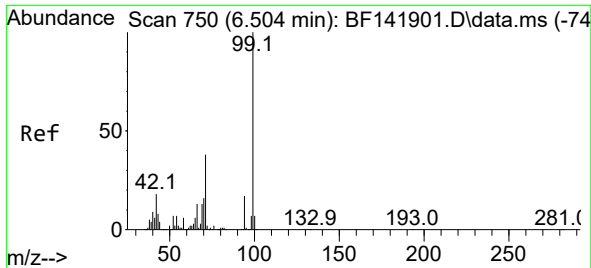
Tgt Ion:112 Resp: 683386
Ion Ratio Lower Upper
112 100
64 55.3 46.5 69.7
63 30.3 25.4 38.2



#6
Aniline
Concen: 16.830 ng
RT: 6.534 min Scan# 755
Delta R.T. -0.012 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

Tgt Ion: 93 Resp: 178470
Ion Ratio Lower Upper
93 100
66 43.8 31.9 47.9
65 22.0 15.8 23.6

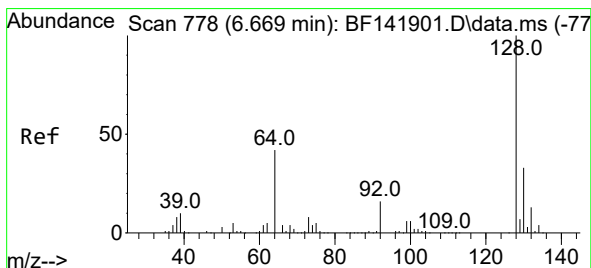
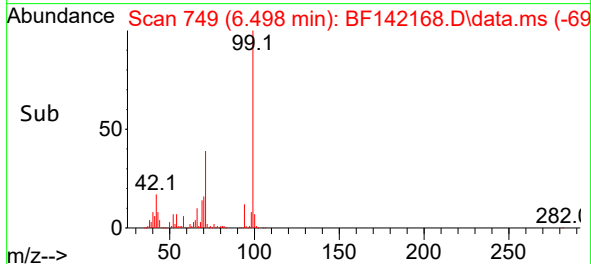
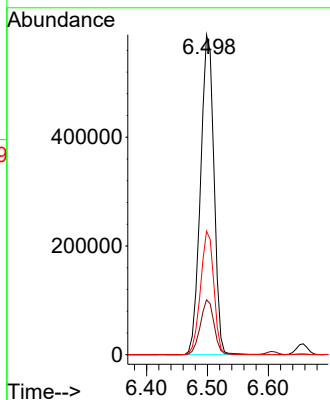
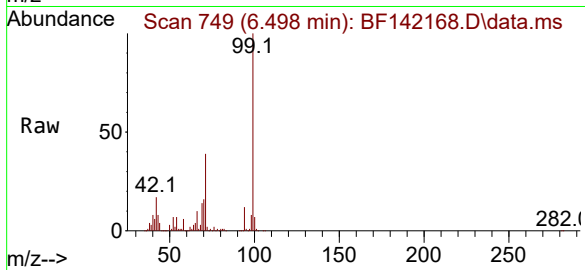




#7
Phenol-d6
Concen: 84.122 ng
RT: 6.498 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

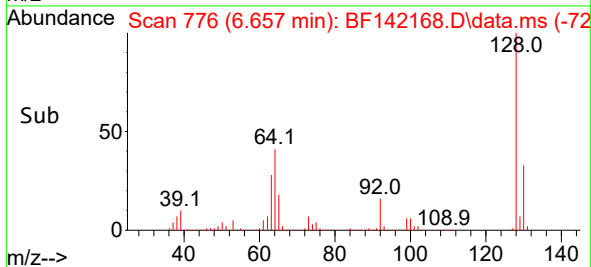
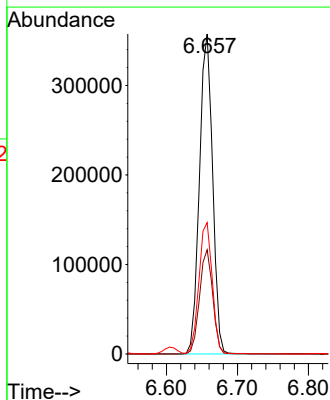
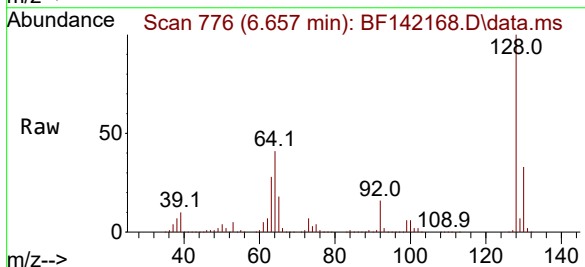
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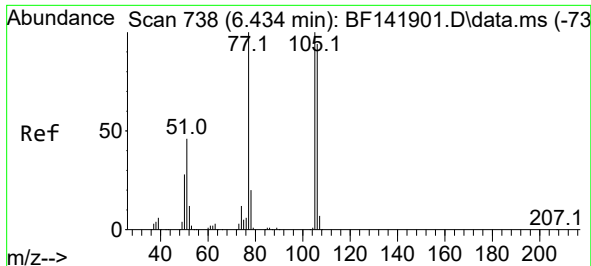
Tgt Ion: 99 Resp: 904288
Ion Ratio Lower Upper
99 100
42 17.2 14.6 21.8
71 38.6 30.8 46.2



#8
2-Chlorophenol
Concen: 49.361 ng
RT: 6.657 min Scan# 776
Delta R.T. -0.012 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

Tgt Ion: 128 Resp: 462208
Ion Ratio Lower Upper
128 100
130 32.5 12.8 52.8
64 41.0 24.4 64.4

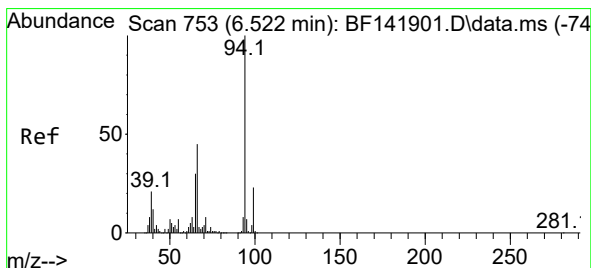
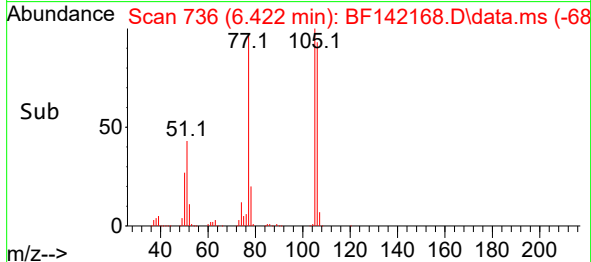
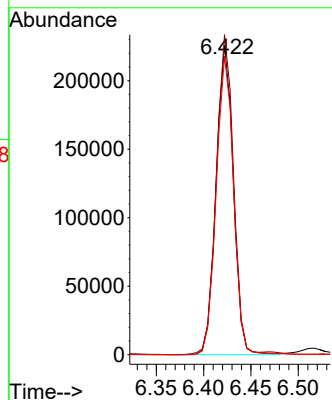
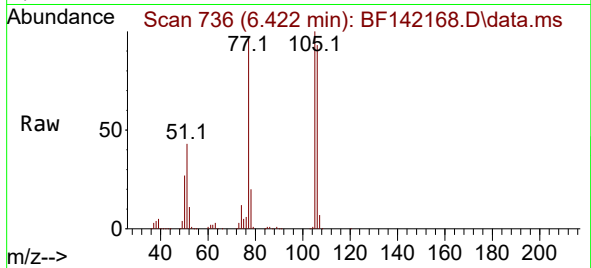




#9
Benzaldehyde
Concen: 47.750 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

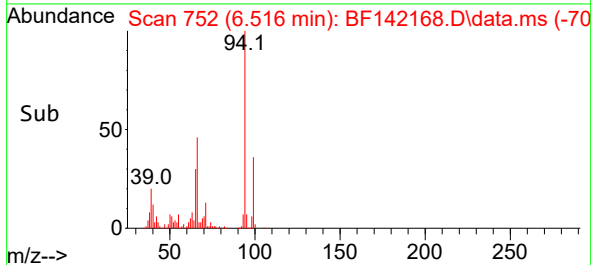
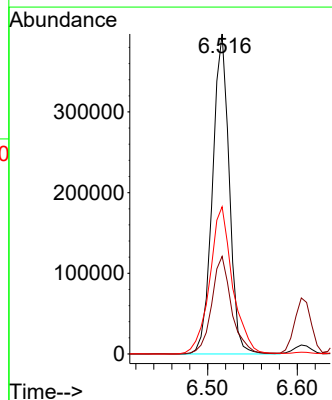
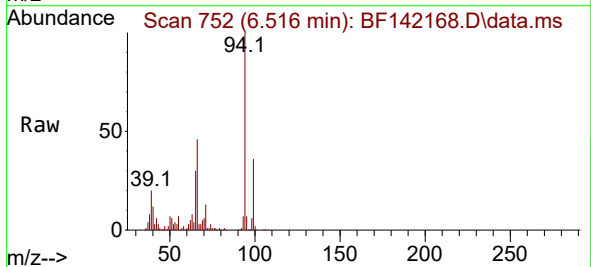
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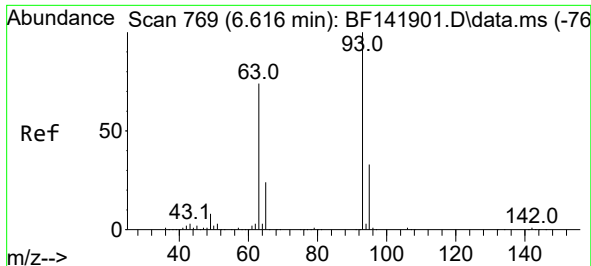
Tgt Ion: 77 Resp: 287075
Ion Ratio Lower Upper
77 100
105 103.4 80.0 120.0
106 96.4 74.5 114.5



#10
Phenol
Concen: 45.501 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

Tgt Ion: 94 Resp: 514573
Ion Ratio Lower Upper
94 100
65 30.5 10.5 50.5
66 46.0 25.8 65.8

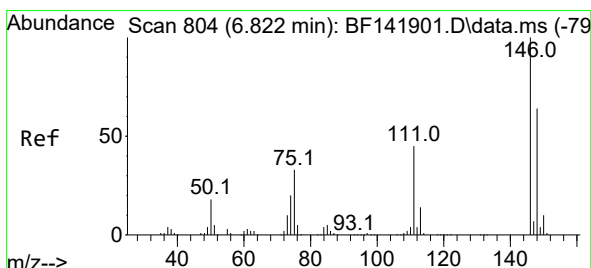
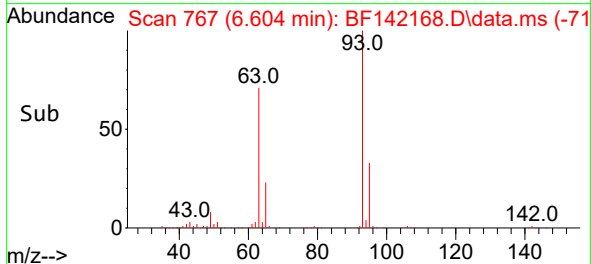
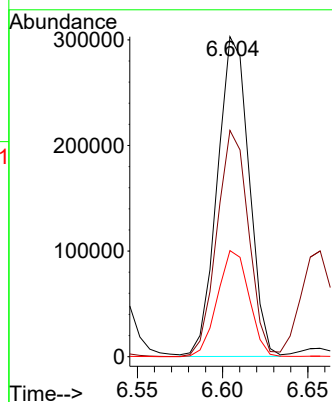
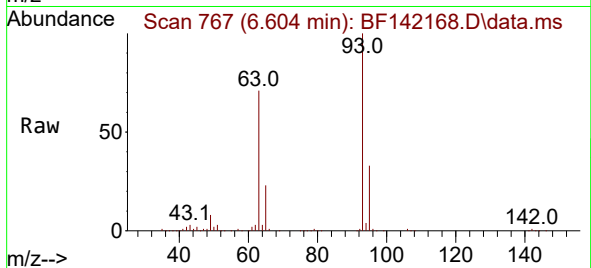




#11
bis(2-Chloroethyl)ether
Concen: 46.220 ng
RT: 6.604 min Scan# 769
Delta R.T. -0.012 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

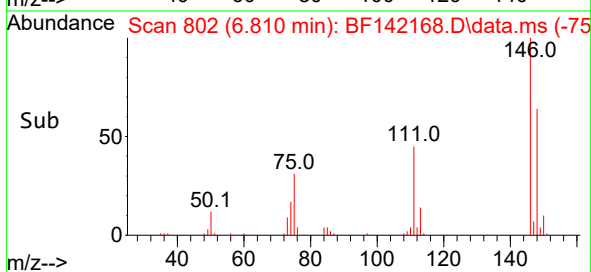
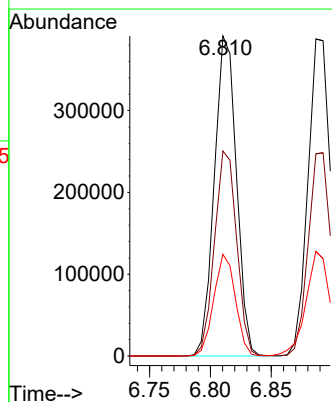
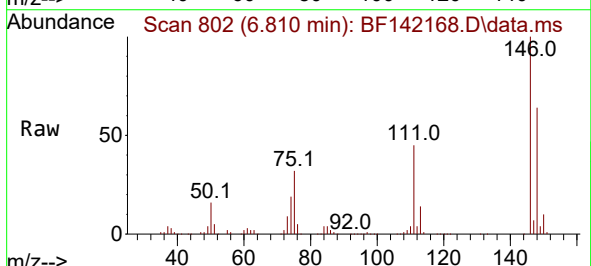
Instrument :
BNA_F
ClientSampleId :
72-11998MS

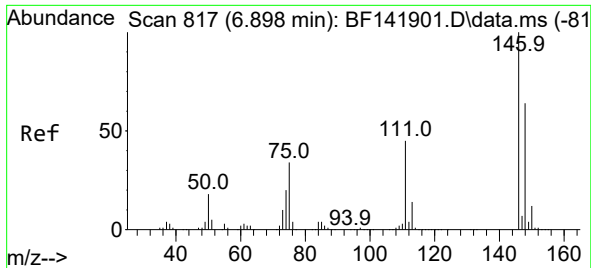
Tgt Ion: 93	Resp: 392487
Ion Ratio	Lower Upper
93 100	
63 70.7	53.0 93.0
95 33.2	12.9 52.9



#12
1,3-Dichlorobenzene
Concen: 49.009 ng
RT: 6.810 min Scan# 802
Delta R.T. -0.012 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

Tgt Ion:146	Resp: 495449		
Ion Ratio	Lower	Upper	
146 100			
148 64.0	51.3	76.9	
75 31.8	26.6	40.0	

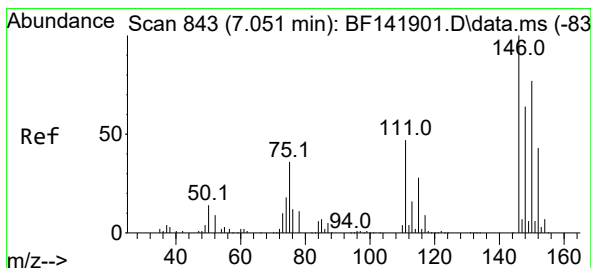
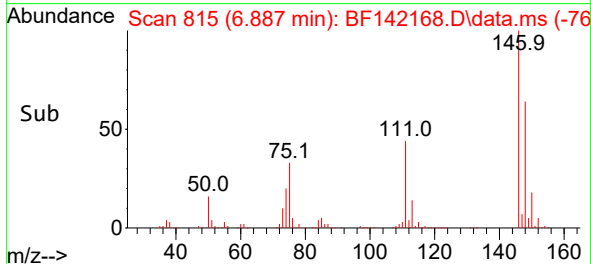
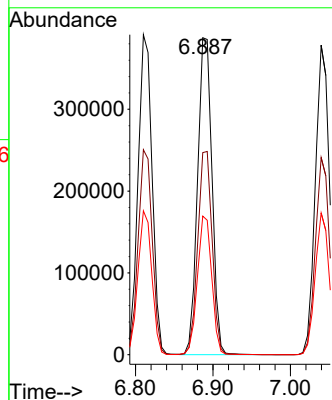
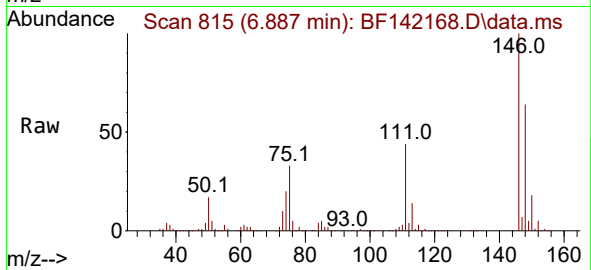




#13
1,4-Dichlorobenzene
Concen: 49.013 ng
RT: 6.887 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

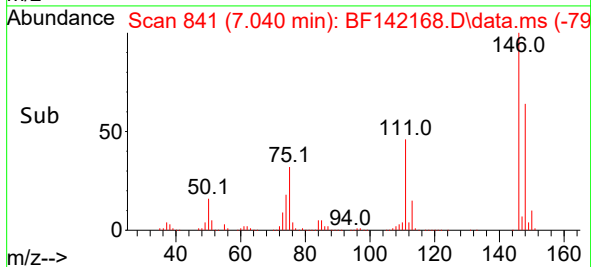
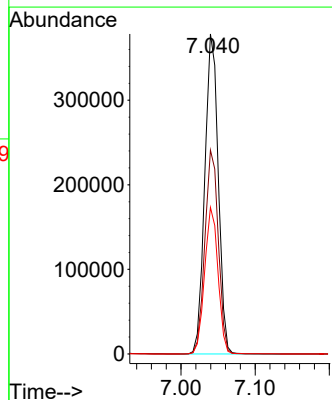
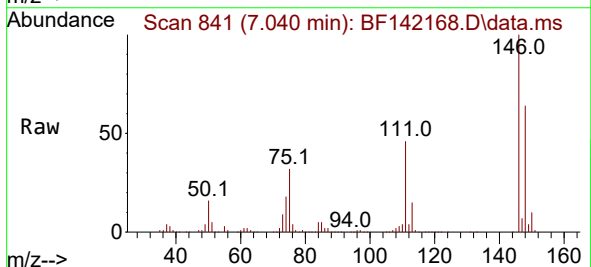
Instrument :
BNA_F
ClientSampleId :
72-11998MS

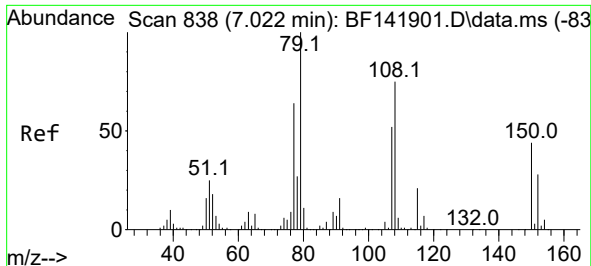
Tgt Ion:146 Resp: 501330
Ion Ratio Lower Upper
146 100
148 63.7 51.0 76.6
111 43.7 35.7 53.5



#14
1,2-Dichlorobenzene
Concen: 49.627 ng
RT: 7.040 min Scan# 841
Delta R.T. -0.012 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

Tgt Ion:146 Resp: 478114
Ion Ratio Lower Upper
146 100
148 63.7 50.8 76.2
111 45.8 38.0 57.0





#15

Benzyl Alcohol

Concen: 45.414 ng

RT: 7.010 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF142168.D

Acq: 28 Mar 2025 19:03

Instrument :

BNA_F

ClientSampleId :

72-11998MS

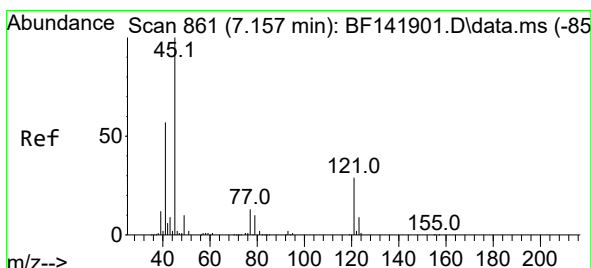
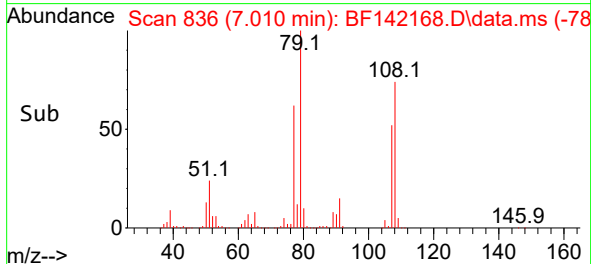
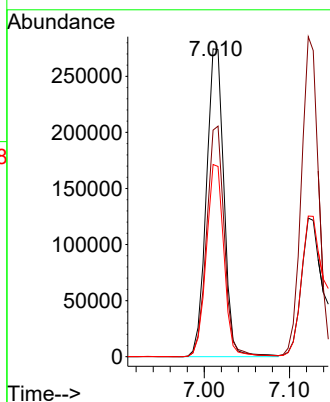
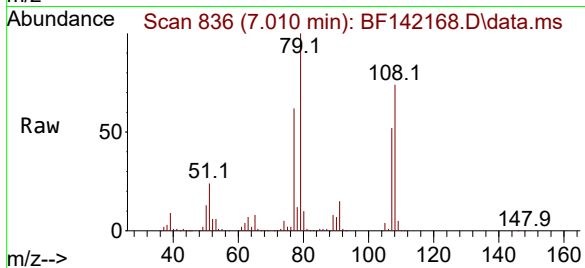
Tgt Ion: 79 Resp: 394672

Ion Ratio Lower Upper

79 100

108 73.6 59.7 89.5

77 62.4 51.0 76.6



#16

2,2'-oxybis(1-Chloropropane)

Concen: 42.797 ng

RT: 7.145 min Scan# 859

Delta R.T. -0.012 min

Lab File: BF142168.D

Acq: 28 Mar 2025 19:03

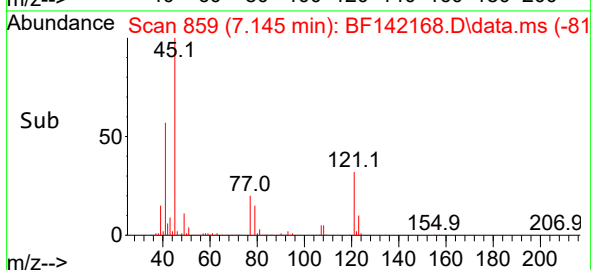
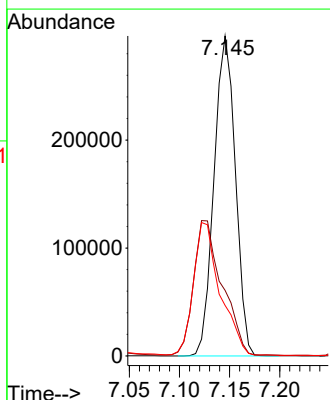
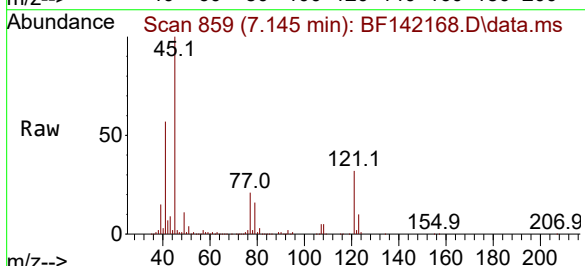
Tgt Ion: 45 Resp: 438745

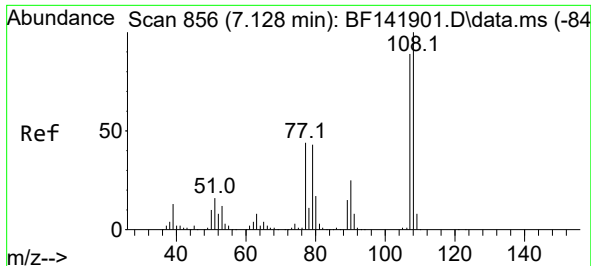
Ion Ratio Lower Upper

45 100

77 20.5 0.0 37.8

79 15.8 0.0 34.2

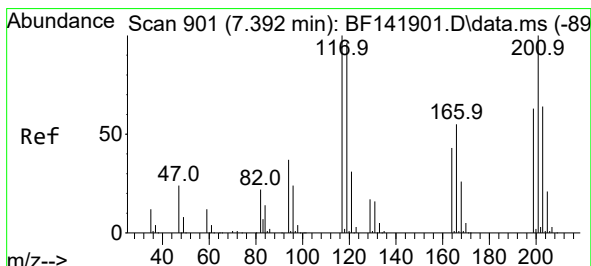
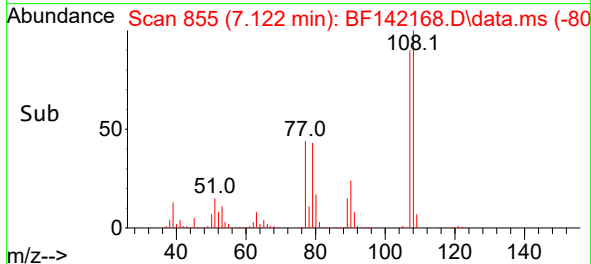
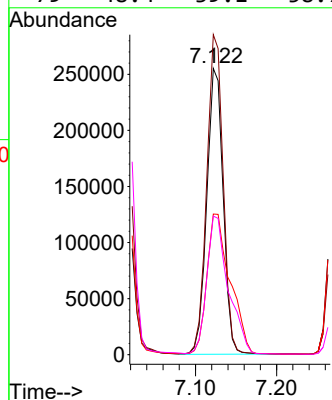
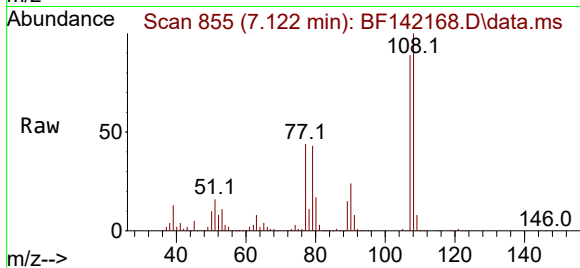




#17
2-Methylphenol
Concen: 47.876 ng
RT: 7.122 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

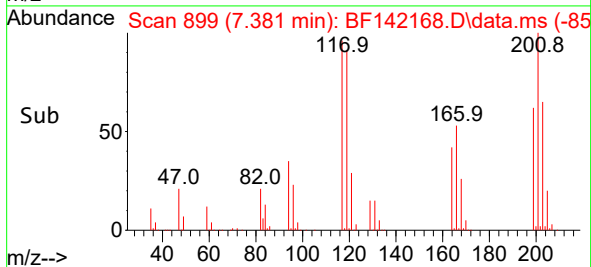
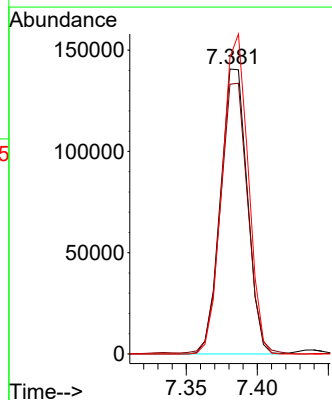
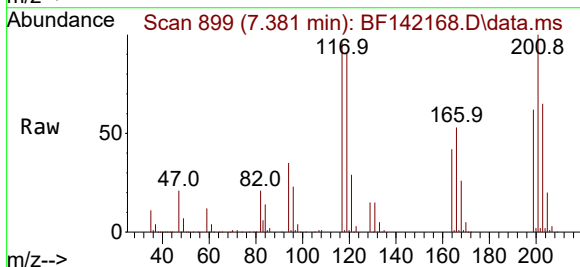
Instrument :
BNA_F
ClientSampleId :
72-11998MS

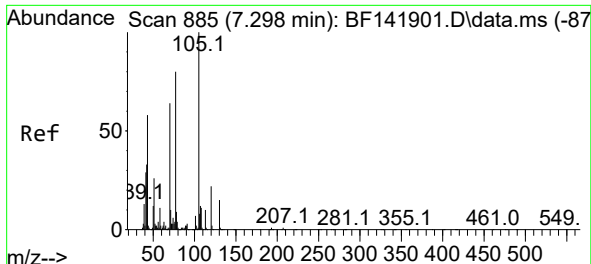
Tgt Ion:107	Resp:	356449
Ion	Ratio	Lower Upper
107	100	
108	111.8	90.2 135.2
77	49.2	39.6 59.4
79	48.4	39.1 58.7



#18
Hexachloroethane
Concen: 48.145 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

Tgt Ion:117	Resp:	184662
Ion	Ratio	Lower Upper
117	100	
119	94.7	76.9 115.3
201	104.0	79.9 119.9





#19

n-Nitroso-di-n-propylamine

Concen: 42.688 ng

RT: 7.287 min Scan# 881

Delta R.T. -0.012 min

Lab File: BF142168.D

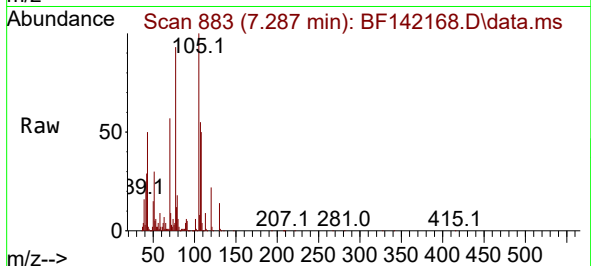
Acq: 28 Mar 2025 19:03

Instrument :

BNA_F

ClientSampleId :

72-11998MS



Tgt Ion: 70 Resp: 294856

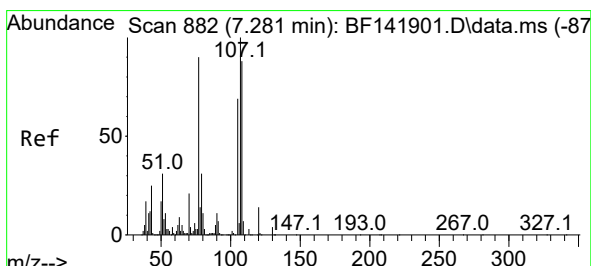
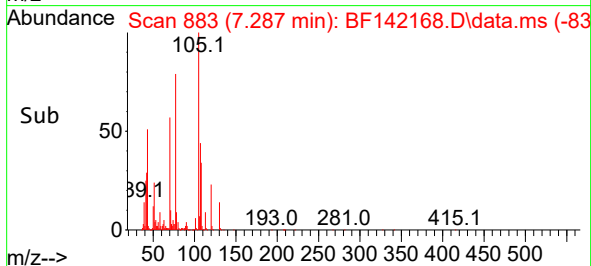
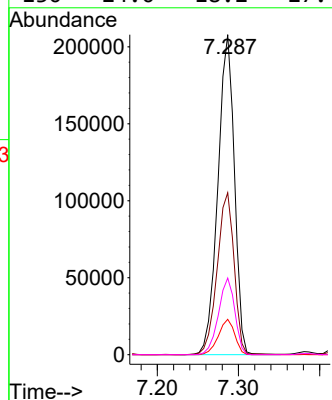
Ion Ratio Lower Upper

70 100

42 50.6 41.4 62.0

101 11.1 8.2 12.2

130 24.0 18.2 27.4



#20

3+4-Methylphenols

Concen: 46.558 ng

RT: 7.275 min Scan# 881

Delta R.T. -0.006 min

Lab File: BF142168.D

Acq: 28 Mar 2025 19:03

Tgt Ion:107 Resp: 443994

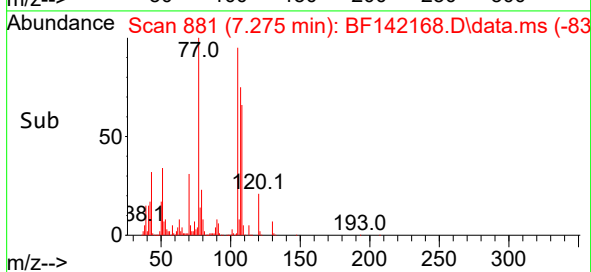
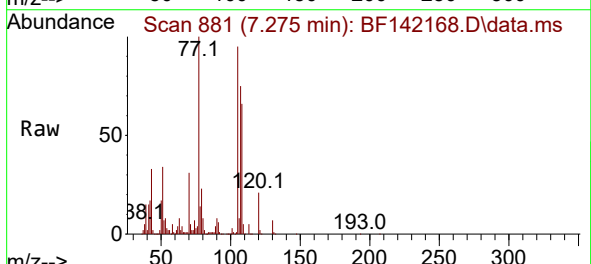
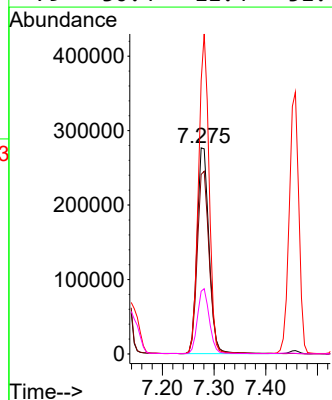
Ion Ratio Lower Upper

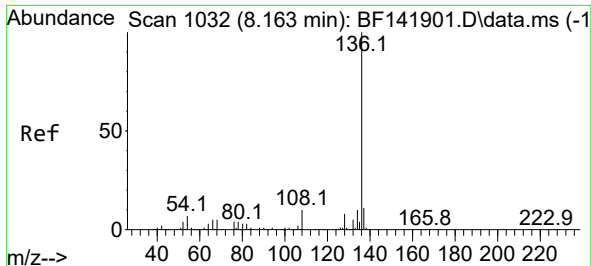
107 100

108 87.1 68.4 108.4

77 132.6 69.7 109.7#

79 30.4 11.4 51.4

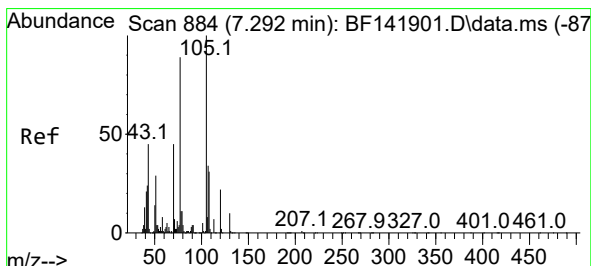
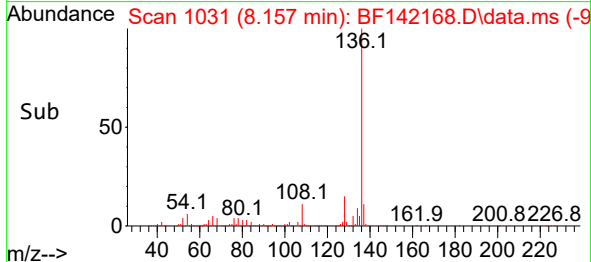
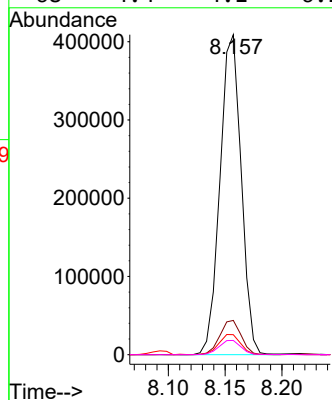
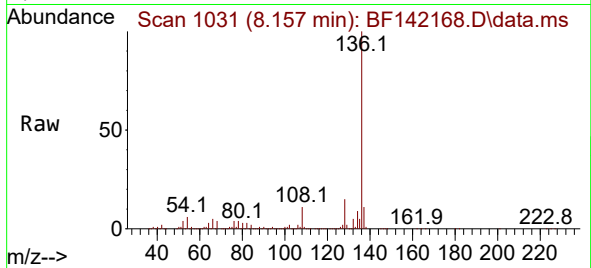




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

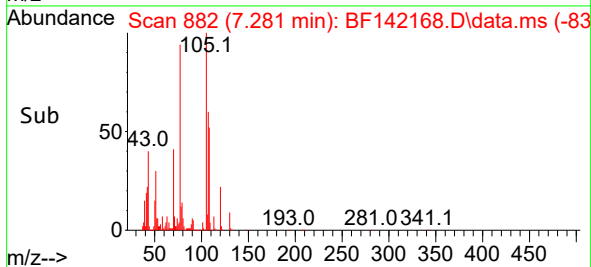
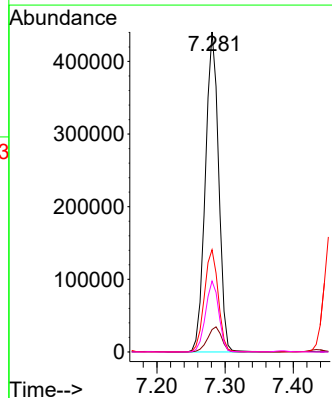
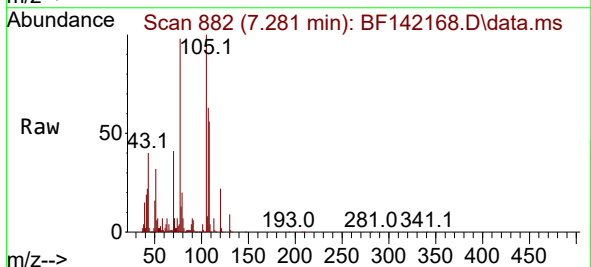
Instrument :
BNA_F
ClientSampleId :
72-11998MS

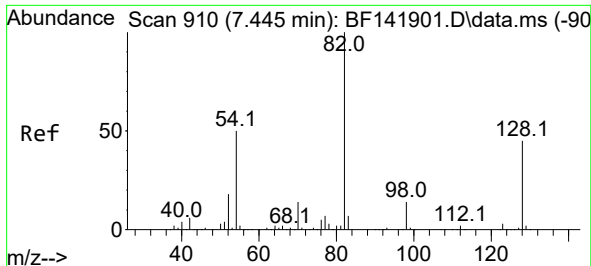
Tgt Ion:136 Resp: 532413
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 6.2 5.8 8.8
68 4.4 4.1 6.1



#22
Acetophenone
Concen: 46.993 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.012 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

Tgt Ion:105 Resp: 599168
Ion Ratio Lower Upper
105 100
71 7.0 5.8 8.8
51 32.0 23.4 35.0
120 22.1 17.3 25.9





#23

Nitrobenzene-d5

Concen: 61.332 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF142168.D

Acq: 28 Mar 2025 19:03

Instrument :

BNA_F

ClientSampleId :

72-11998MS

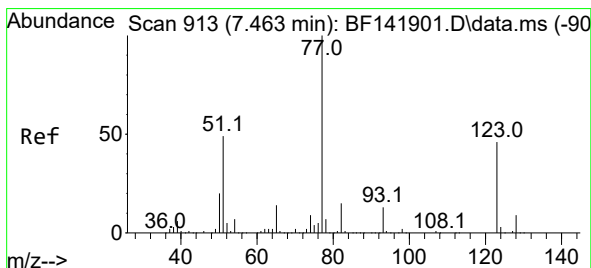
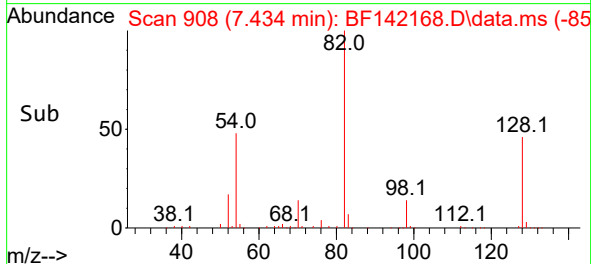
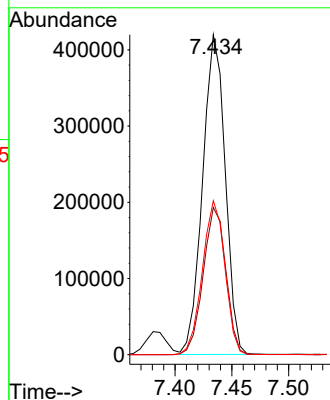
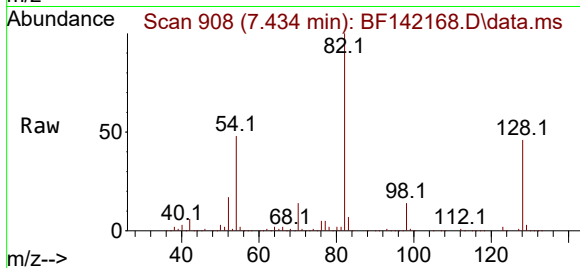
Tgt Ion: 82 Resp: 580244

Ion Ratio Lower Upper

82 100

128 46.0 36.0 54.0

54 48.1 39.6 59.4



#24

Nitrobenzene

Concen: 48.395 ng

RT: 7.457 min Scan# 912

Delta R.T. -0.006 min

Lab File: BF142168.D

Acq: 28 Mar 2025 19:03

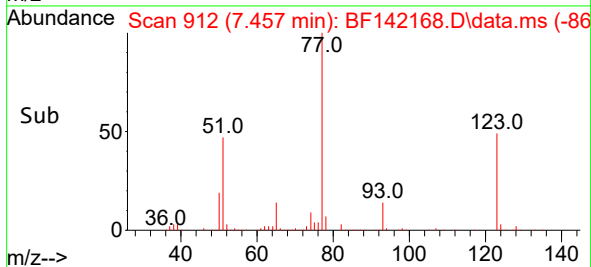
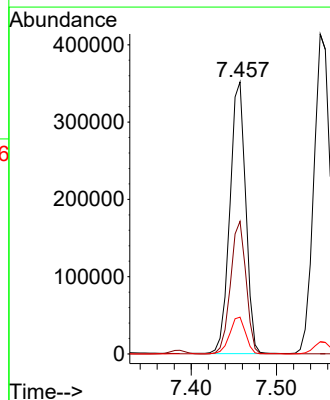
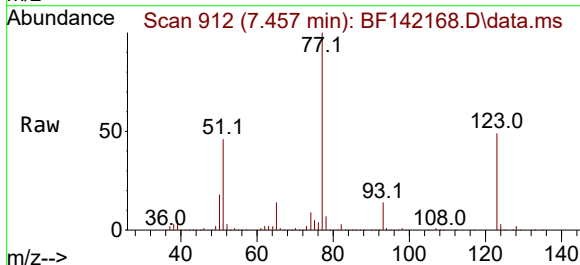
Tgt Ion: 77 Resp: 455161

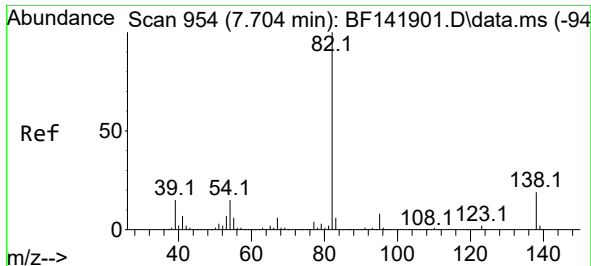
Ion Ratio Lower Upper

77 100

123 48.8 37.0 55.4

65 13.5 11.3 16.9

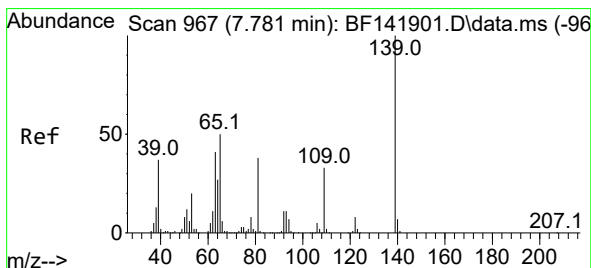
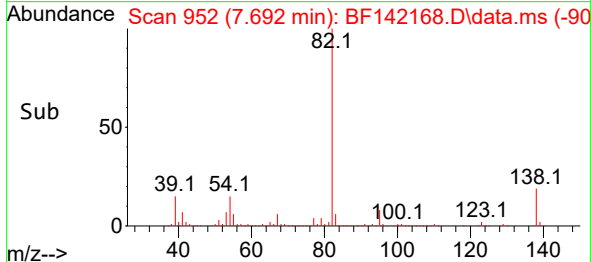
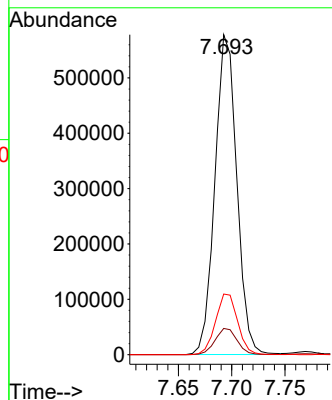
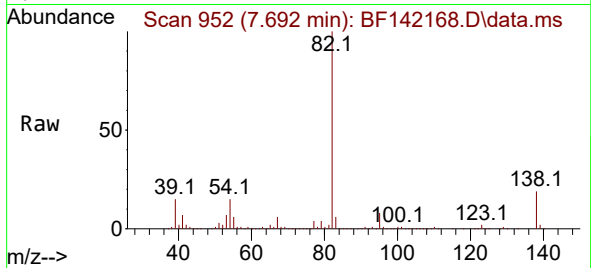




#25
Isophorone
Concen: 49.253 ng
RT: 7.692 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

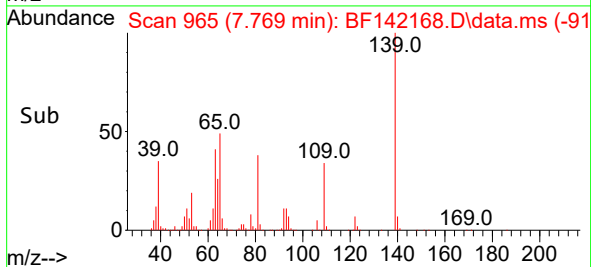
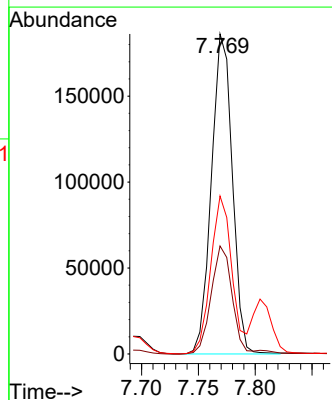
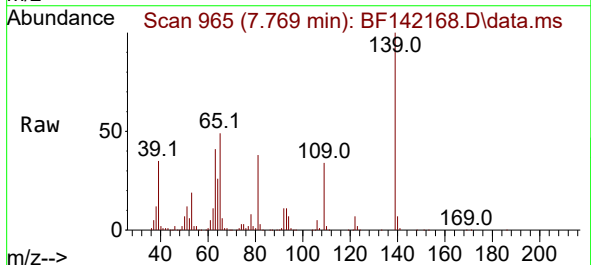
Instrument :
BNA_F
ClientSampleId :
72-11998MS

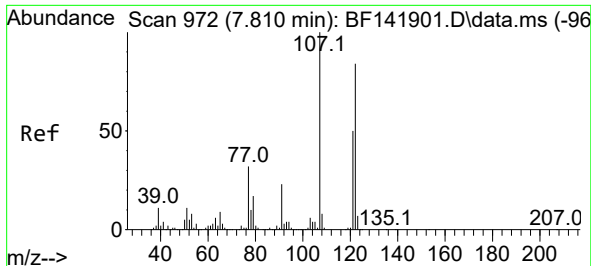
Tgt Ion: 82 Resp: 823675
Ion Ratio Lower Upper
82 100
95 8.2 6.4 9.6
138 18.9 14.9 22.3



#26
2-Nitrophenol
Concen: 51.630 ng
RT: 7.769 min Scan# 965
Delta R.T. -0.012 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

Tgt Ion:139 Resp: 238328
Ion Ratio Lower Upper
139 100
109 33.8 26.5 39.7
65 49.4 40.3 60.5





#27

2,4-Dimethylphenol

Concen: 64.156 ng

RT: 7.804 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF142168.D

Acq: 28 Mar 2025 19:03

Instrument :

BNA_F

ClientSampleId :

72-11998MS

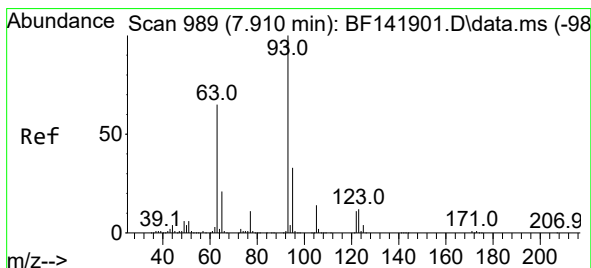
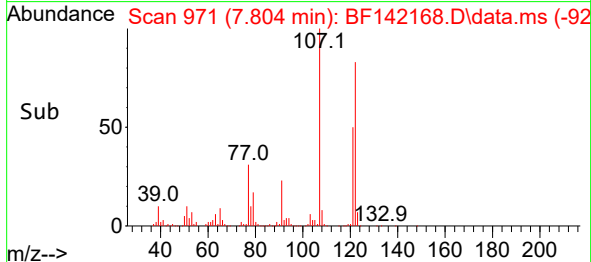
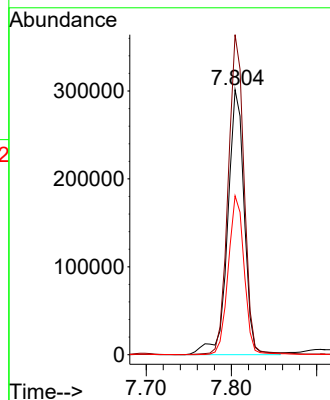
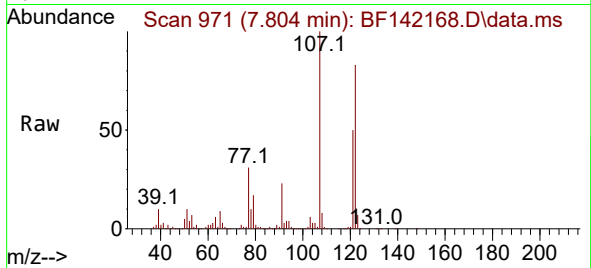
Tgt Ion:122 Resp: 407786

Ion Ratio Lower Upper

122 100

107 120.8 94.8 142.2

121 60.0 47.8 71.6



#28

bis(2-Chloroethoxy)methane

Concen: 47.842 ng

RT: 7.904 min Scan# 988

Delta R.T. -0.006 min

Lab File: BF142168.D

Acq: 28 Mar 2025 19:03

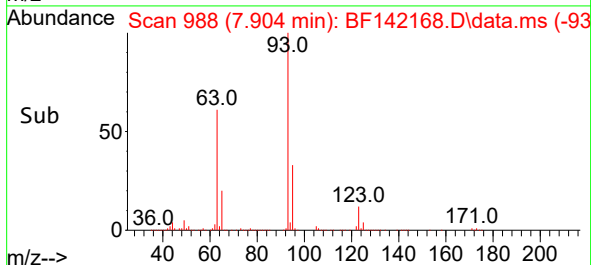
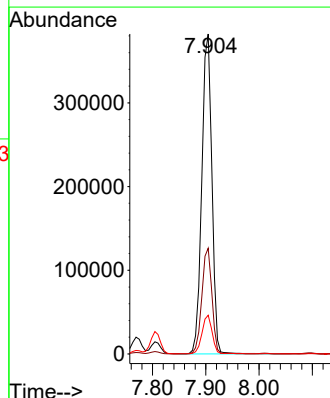
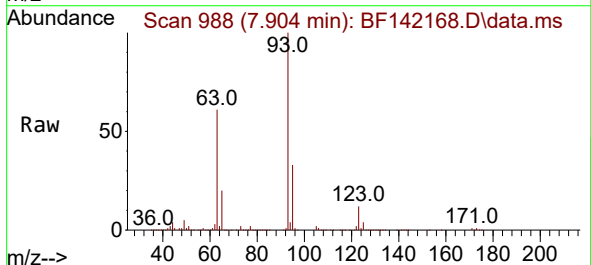
Tgt Ion: 93 Resp: 501823

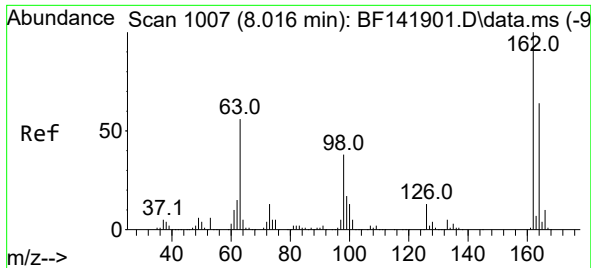
Ion Ratio Lower Upper

93 100

95 33.1 26.6 40.0

123 12.1 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 47.695 ng

RT: 8.010 min Scan# 1006

Delta R.T. -0.006 min

Lab File: BF142168.D

Acq: 28 Mar 2025 19:03

Instrument :

BNA_F

ClientSampleId :

72-11998MS

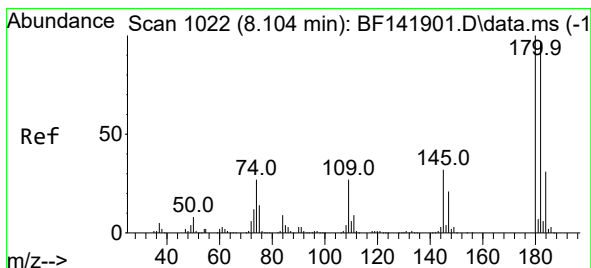
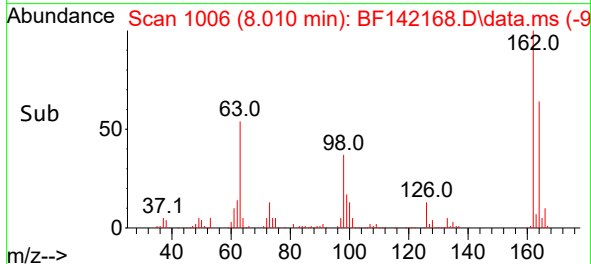
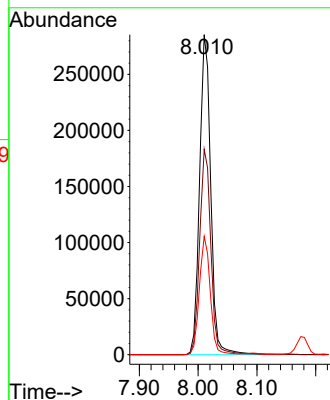
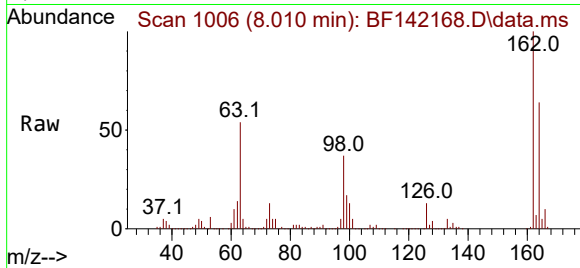
Tgt Ion:162 Resp: 376286

Ion Ratio Lower Upper

162 100

164 64.2 43.8 83.8

98 37.0 18.1 58.1



#30

1,2,4-Trichlorobenzene

Concen: 49.401 ng

RT: 8.092 min Scan# 1020

Delta R.T. -0.012 min

Lab File: BF142168.D

Acq: 28 Mar 2025 19:03

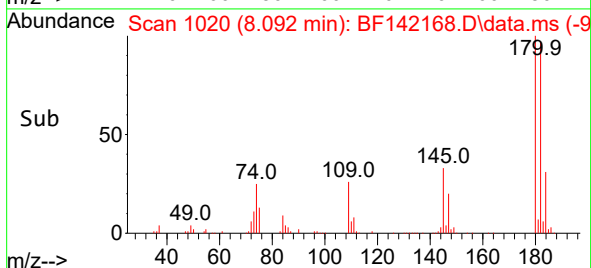
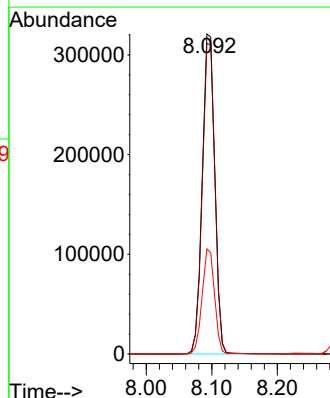
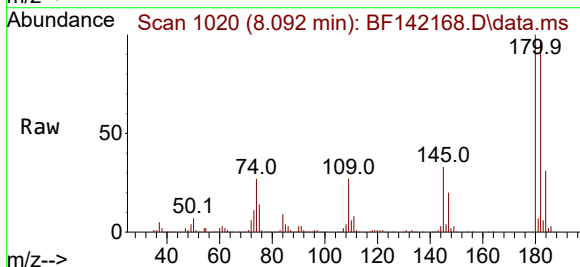
Tgt Ion:180 Resp: 429510

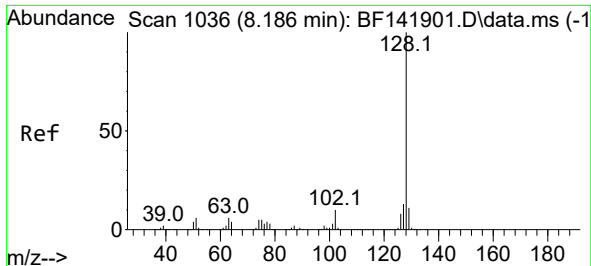
Ion Ratio Lower Upper

180 100

182 97.1 77.5 116.3

145 32.8 25.8 38.6

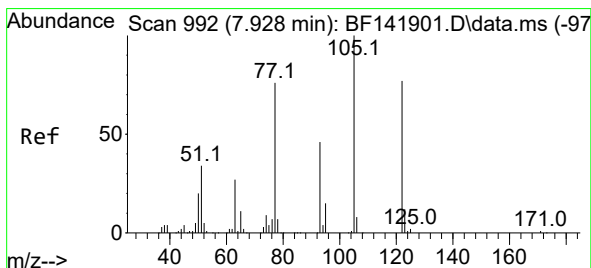
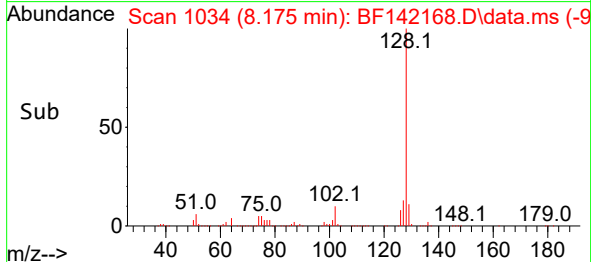
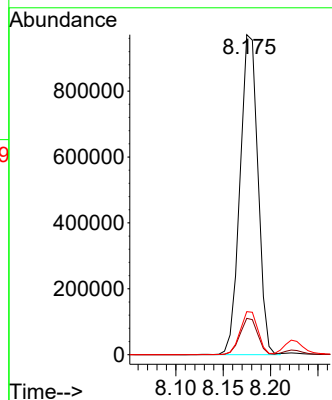
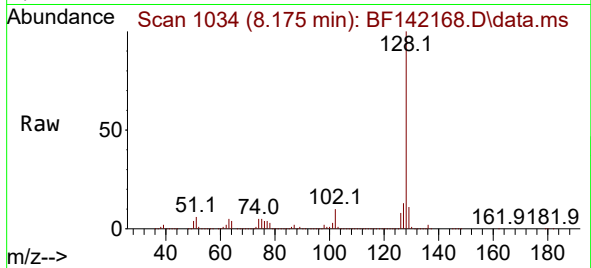




#31
Naphthalene
Concen: 46.684 ng
RT: 8.175 min Scan# 1036
Delta R.T. -0.012 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

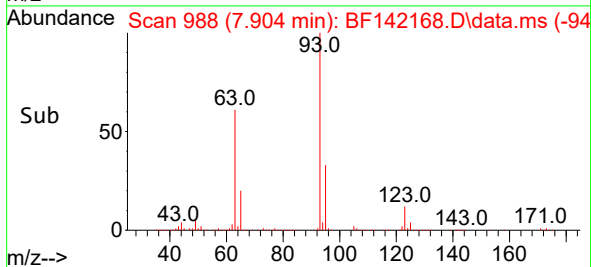
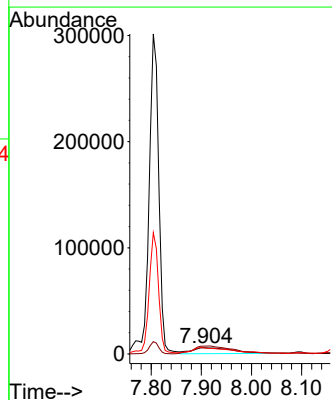
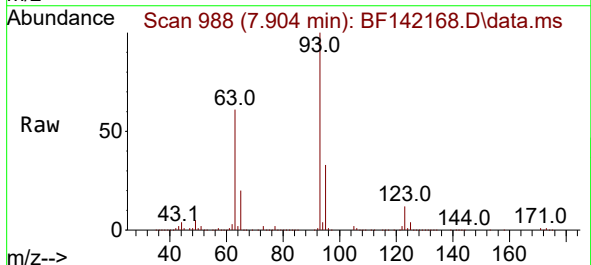
Instrument :
BNA_F
ClientSampleId :
72-11998MS

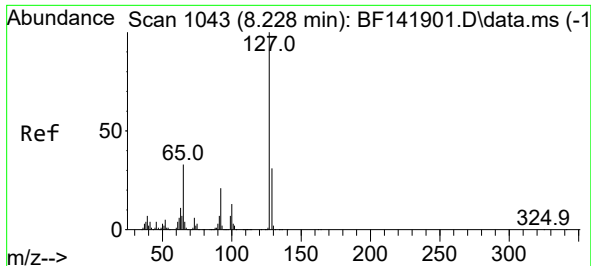
Tgt Ion:128 Resp: 1276760
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.6
127 13.4 10.8 16.2



#32
Benzoic acid
Concen: 5.580 ng
RT: 7.904 min Scan# 988
Delta R.T. -0.024 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

Tgt Ion:122 Resp: 31179
Ion Ratio Lower Upper
122 100
105 123.0 107.9 147.9
77 96.7 79.0 119.0

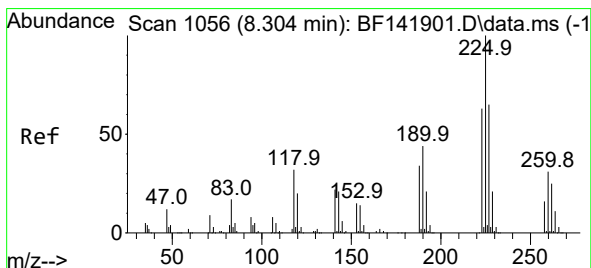
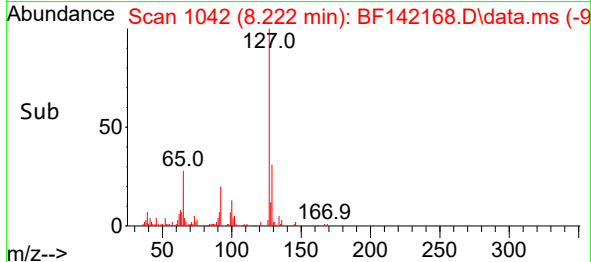
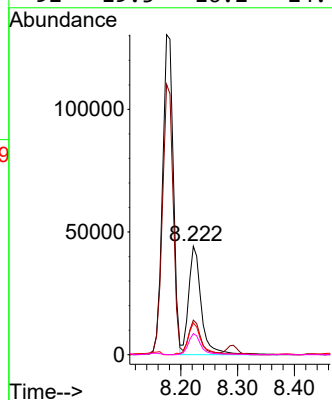
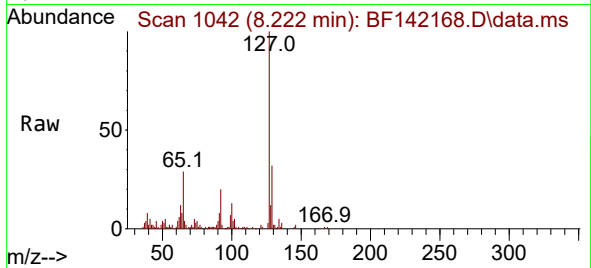




#33
4-Chloroaniline
Concen: 7.116 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

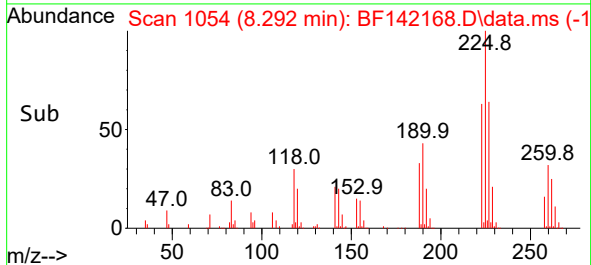
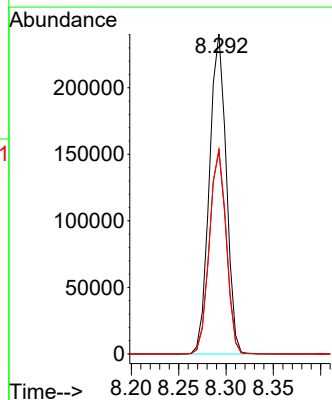
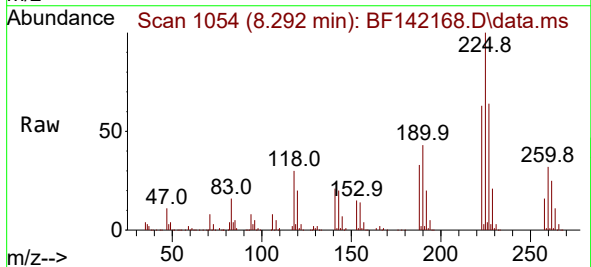
Instrument :
BNA_F
ClientSampleId :
72-11998MS

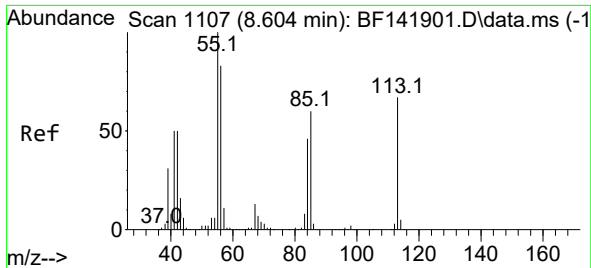
Tgt Ion:127	Resp: 68701
Ion Ratio	Lower Upper
127 100	
129 31.8	26.2 39.4
65 29.3	25.4 38.2
92 19.5	16.2 24.4



#34
Hexachlorobutadiene
Concen: 52.494 ng
RT: 8.292 min Scan# 1054
Delta R.T. -0.012 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

Tgt Ion:225	Resp: 297645
Ion Ratio	Lower Upper
225 100	
223 63.2	50.6 75.8
227 64.1	52.2 78.2

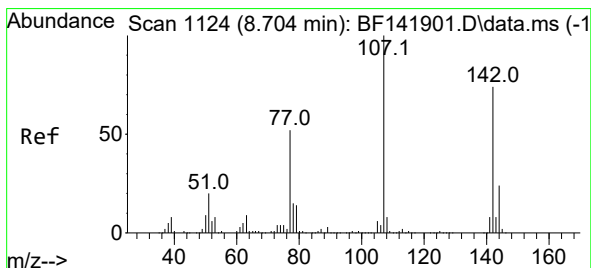
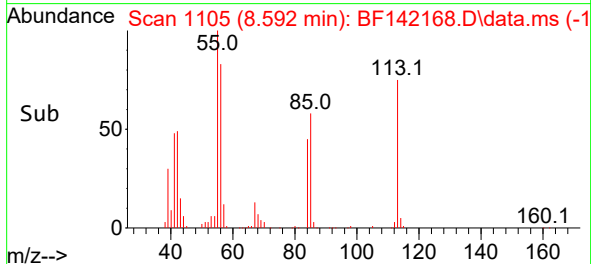
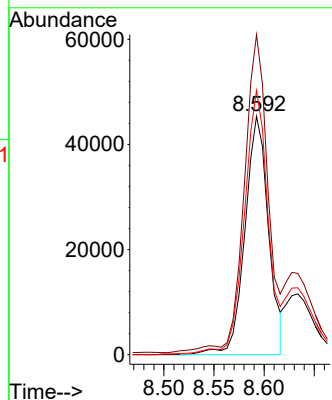
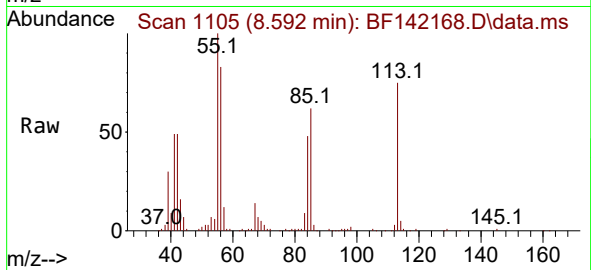




#35
 Caprolactam
 Concen: 30.737 ng
 RT: 8.592 min Scan# 1105
 Delta R.T. -0.012 min
 Lab File: BF142168.D
 Acq: 28 Mar 2025 19:03

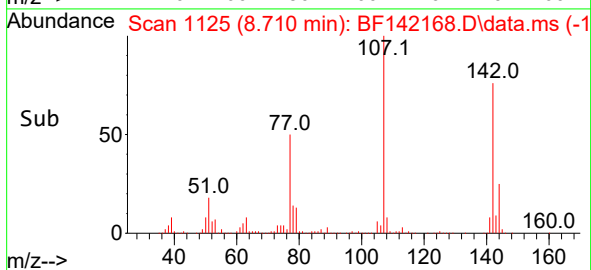
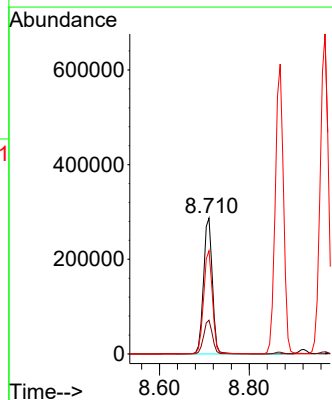
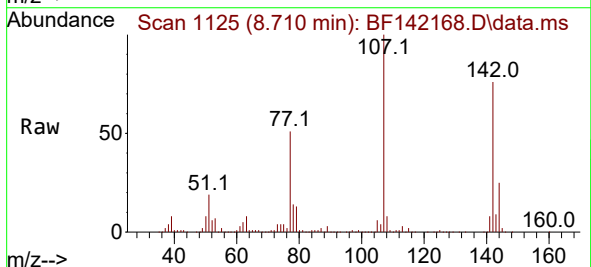
Instrument :
 BNA_F
 ClientSampleId :
 72-11998MS

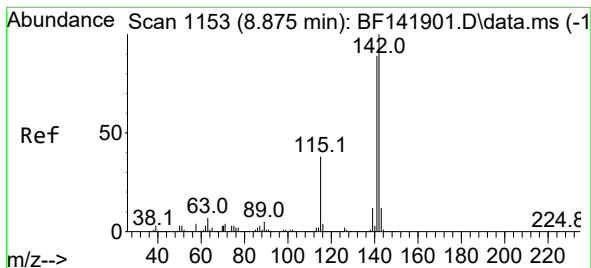
Tgt Ion:113 Resp: 73931
 Ion Ratio Lower Upper
 113 100
 55 134.2 129.6 169.6
 56 110.8 104.0 144.0



#36
 4-Chloro-3-methylphenol
 Concen: 44.432 ng
 RT: 8.710 min Scan# 1125
 Delta R.T. 0.006 min
 Lab File: BF142168.D
 Acq: 28 Mar 2025 19:03

Tgt Ion:107 Resp: 391029
 Ion Ratio Lower Upper
 107 100
 144 24.9 19.0 28.6
 142 76.1 59.2 88.8





#37

2-Methylnaphthalene

Concen: 42.499 ng

RT: 8.869 min Scan# 1152

Delta R.T. -0.006 min

Lab File: BF142168.D

Acq: 28 Mar 2025 19:03

Instrument :

BNA_F

ClientSampleId :

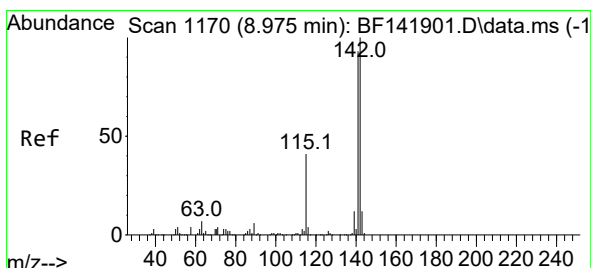
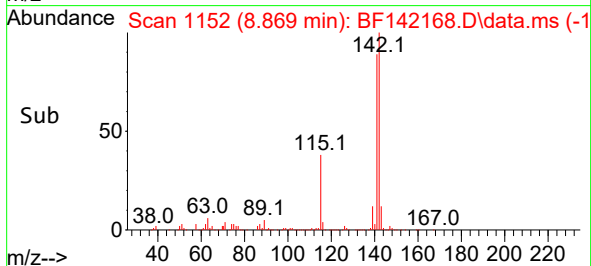
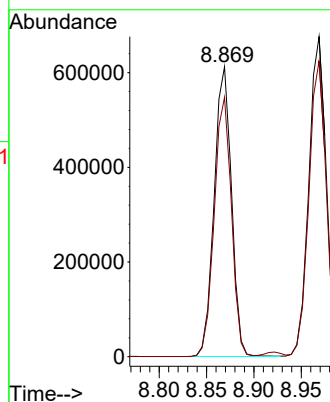
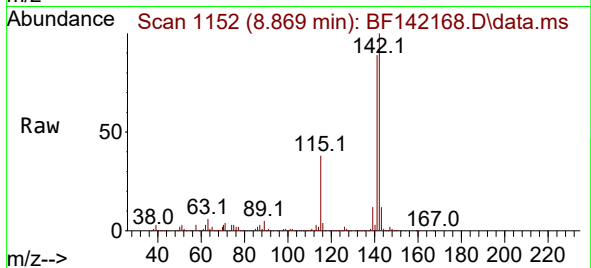
72-11998MS

Tgt Ion:142 Resp: 776906

Ion Ratio Lower Upper

142 100

141 89.4 71.2 106.8



#38

1-Methylnaphthalene

Concen: 48.482 ng

RT: 8.969 min Scan# 1169

Delta R.T. -0.006 min

Lab File: BF142168.D

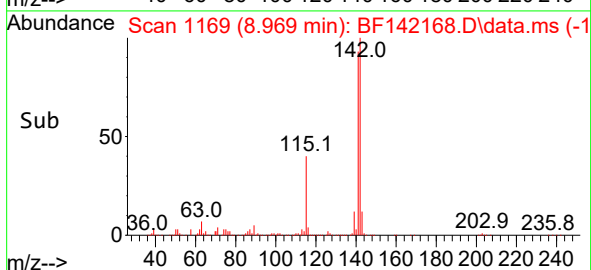
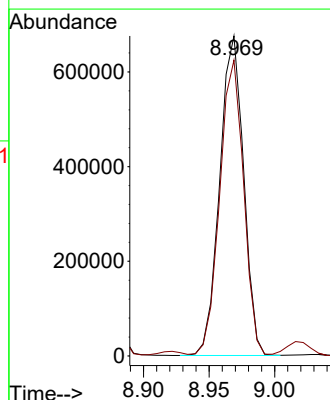
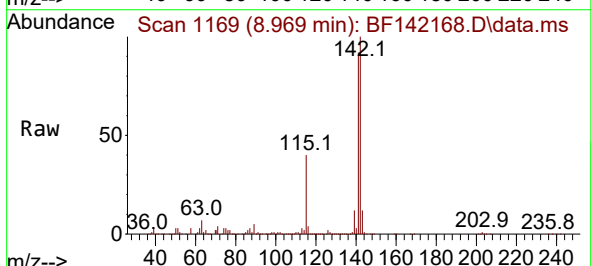
Acq: 28 Mar 2025 19:03

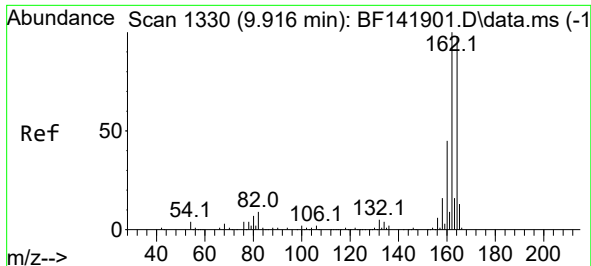
Tgt Ion:142 Resp: 855242

Ion Ratio Lower Upper

142 100

141 92.5 74.2 111.4

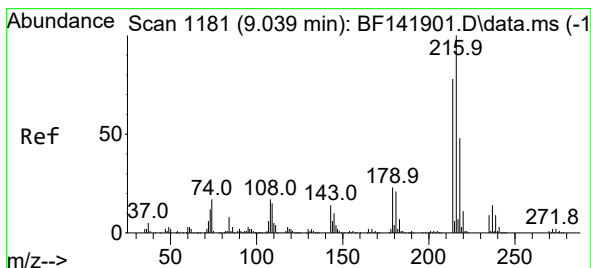
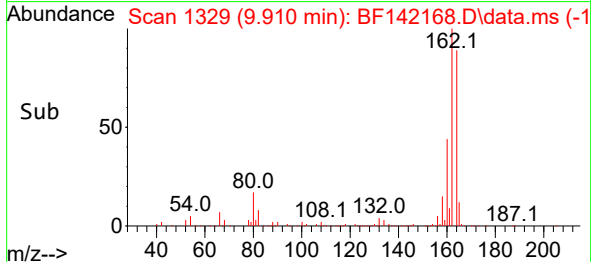
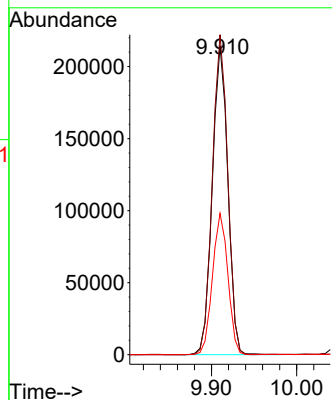
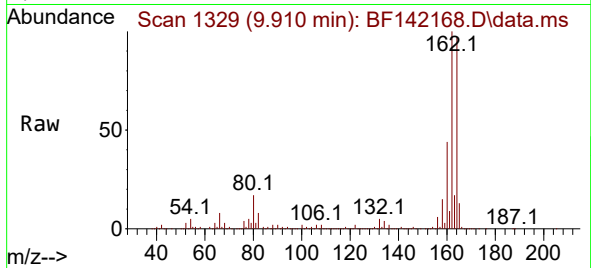




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

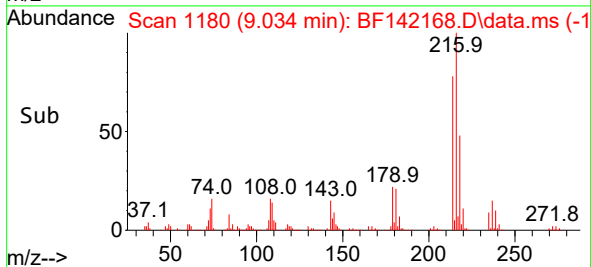
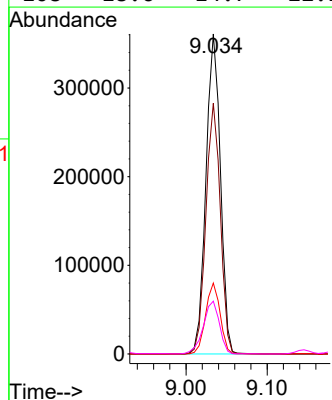
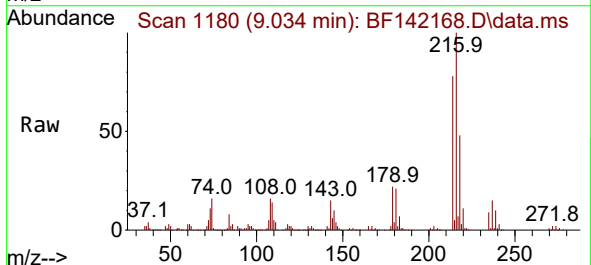
Instrument :
BNA_F
ClientSampleId :
72-11998MS

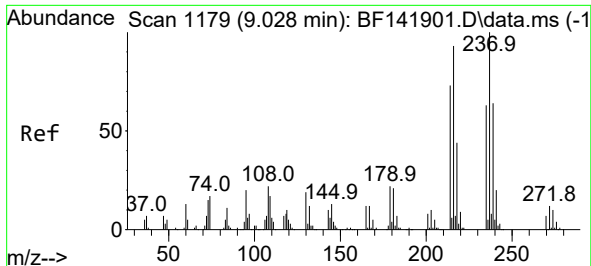
Tgt Ion:164 Resp: 271504
Ion Ratio Lower Upper
164 100
162 103.6 81.8 122.6
160 45.7 36.7 55.1



#40
1,2,4,5-Tetrachlorobenzene
Concen: 53.788 ng
RT: 9.034 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

Tgt Ion:216 Resp: 444625
Ion Ratio Lower Upper
216 100
214 78.2 61.9 92.9
179 22.2 18.1 27.1
108 18.6 14.7 22.1

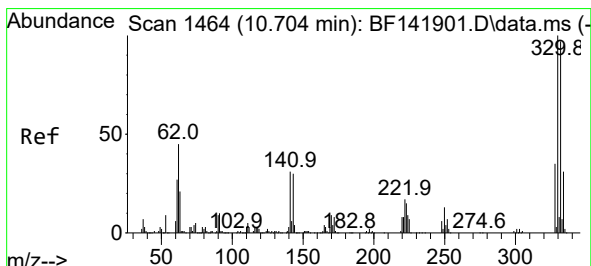
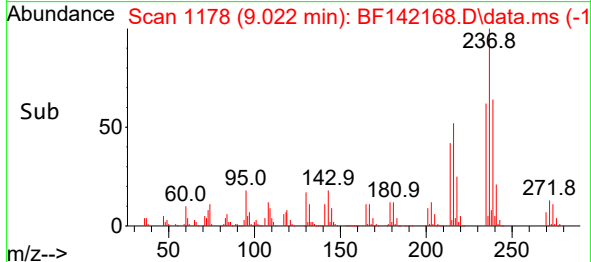
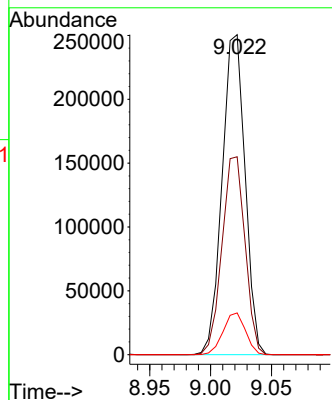
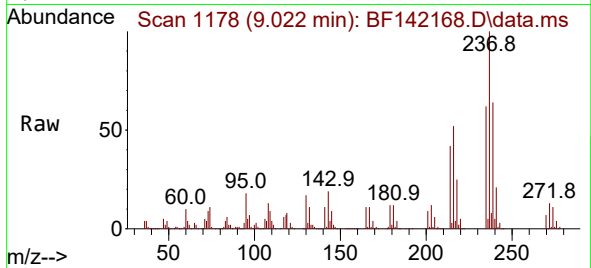




#41
Hexachlorocyclopentadiene
Concen: 101.599 ng
RT: 9.022 min Scan# 1179
Delta R.T. -0.006 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

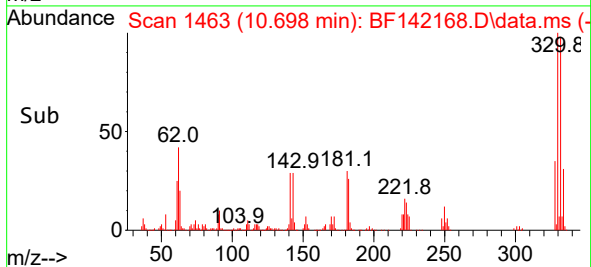
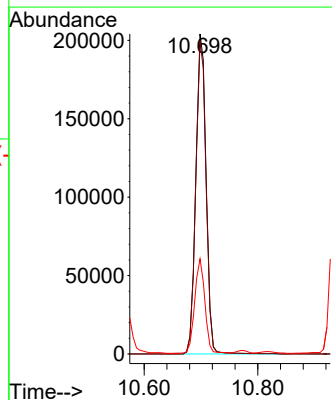
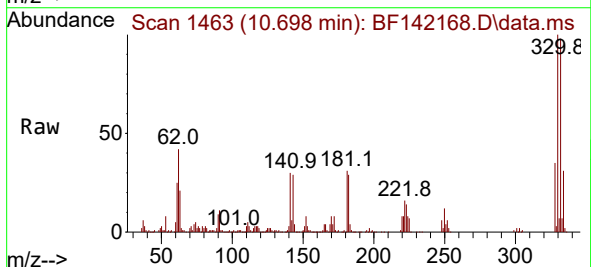
Instrument :
BNA_F
ClientSampleId :
72-11998MS

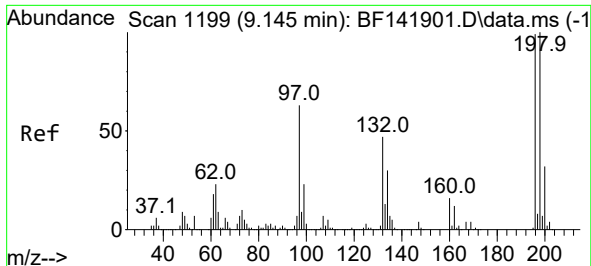
Tgt Ion:237 Resp: 328679
Ion Ratio Lower Upper
237 100
235 61.9 43.1 83.1
272 13.1 0.0 32.0



#42
2,4,6-Tribromophenol
Concen: 75.076 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

Tgt Ion:330 Resp: 258592
Ion Ratio Lower Upper
330 100
332 97.4 77.6 116.4
141 29.2 24.7 37.1





#43

2,4,6-Trichlorophenol

Concen: 49.643 ng

RT: 9.145 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BF142168.D

Acq: 28 Mar 2025 19:03

Instrument :

BNA_F

ClientSampleId :

72-11998MS

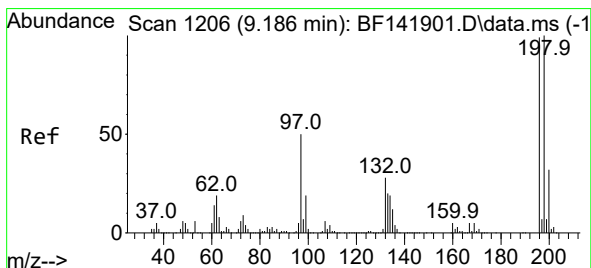
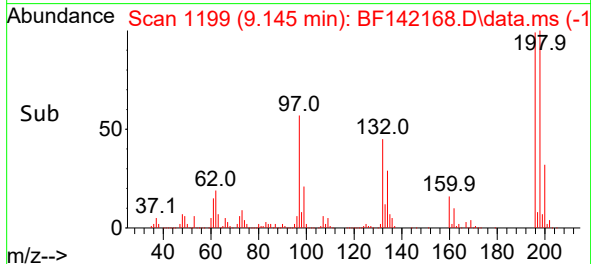
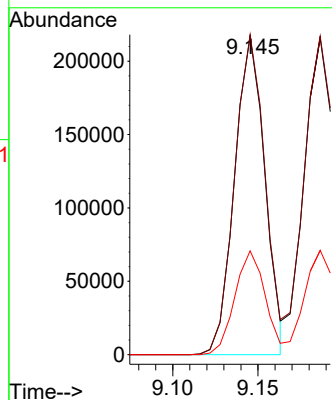
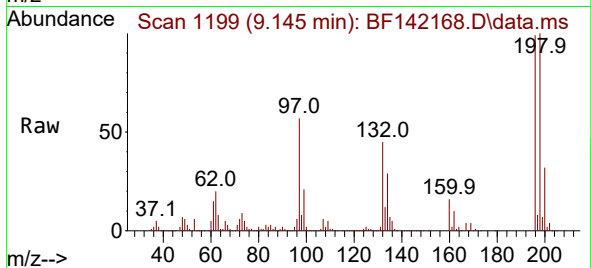
Tgt Ion:196 Resp: 268187

Ion Ratio Lower Upper

196 100

198 100.5 80.6 121.0

200 32.6 25.8 38.6



#44

2,4,5-Trichlorophenol

Concen: 51.218 ng

RT: 9.187 min Scan# 1206

Delta R.T. 0.000 min

Lab File: BF142168.D

Acq: 28 Mar 2025 19:03

Tgt Ion:196 Resp: 280235

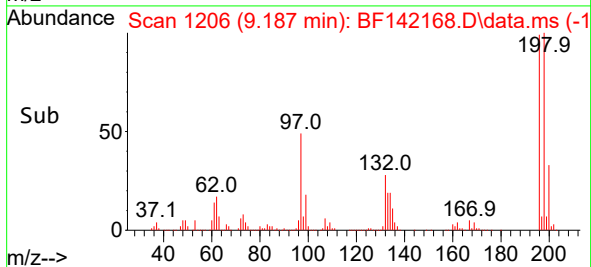
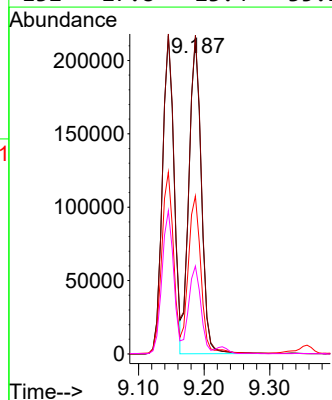
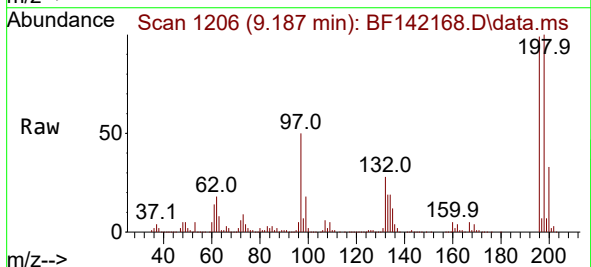
Ion Ratio Lower Upper

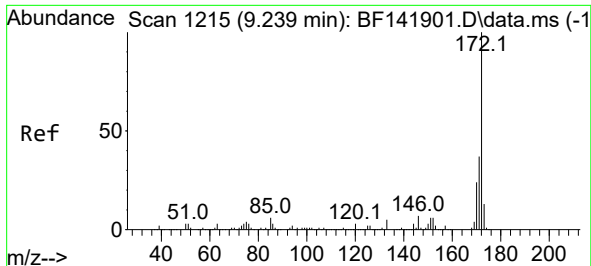
196 100

198 100.7 80.7 121.1

97 49.9 42.1 63.1

132 27.8 23.4 35.2

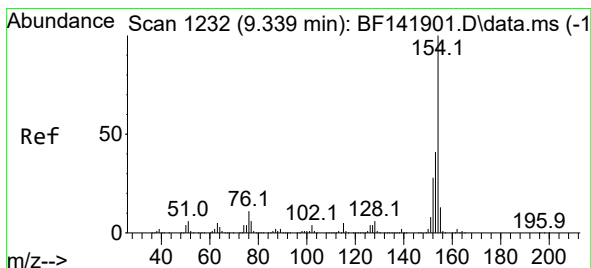
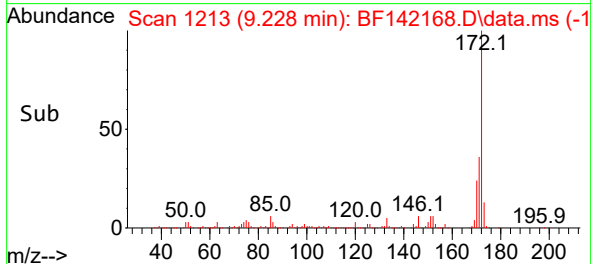
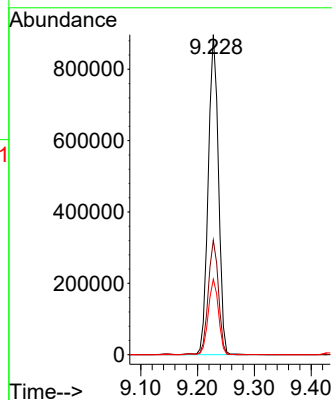
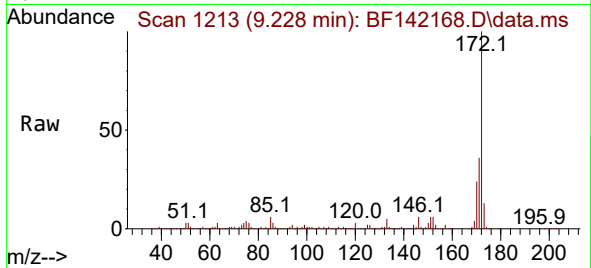




#45
2-Fluorobiphenyl
Concen: 62.398 ng
RT: 9.228 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

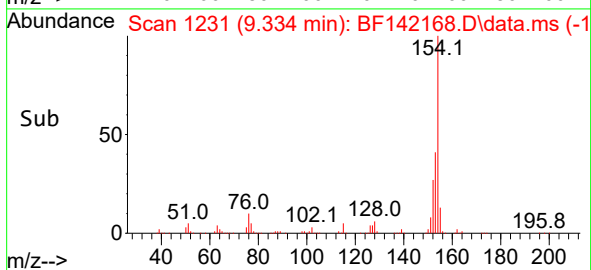
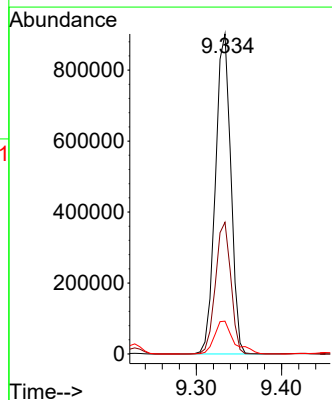
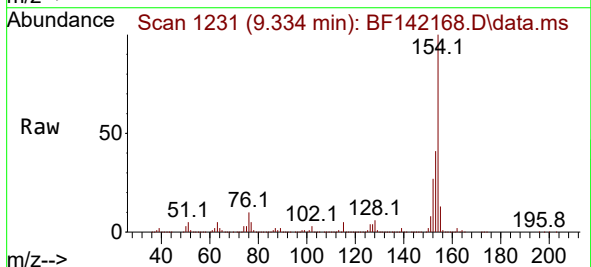
Instrument :
BNA_F
ClientSampleId :
72-11998MS

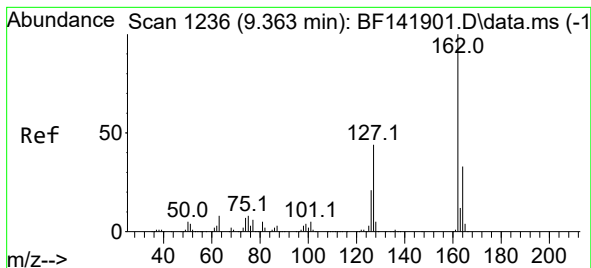
Tgt Ion:172 Resp: 1113962
Ion Ratio Lower Upper
172 100
171 35.8 29.3 43.9
170 23.6 19.4 29.0



#46
1,1'-Biphenyl
Concen: 54.901 ng
RT: 9.334 min Scan# 1231
Delta R.T. -0.006 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

Tgt Ion:154 Resp: 1132572
Ion Ratio Lower Upper
154 100
153 41.1 21.1 61.1
76 10.3 0.0 31.3





#47

2-Chloronaphthalene

Concen: 51.231 ng

RT: 9.357 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142168.D

Acq: 28 Mar 2025 19:03

Instrument :

BNA_F

ClientSampleId :

72-11998MS

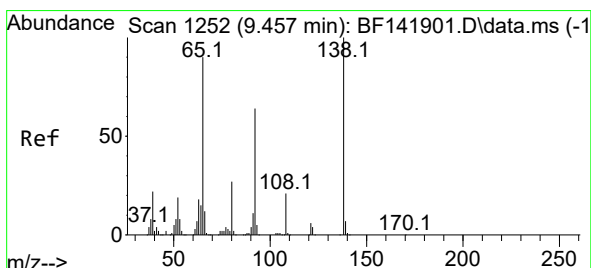
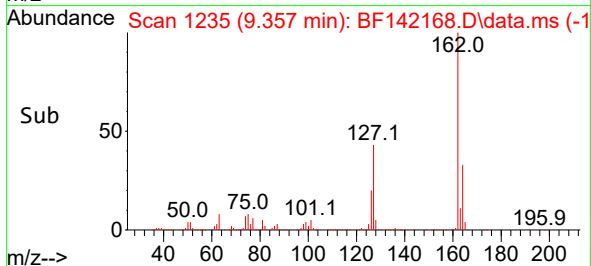
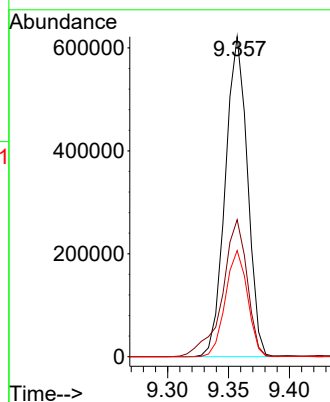
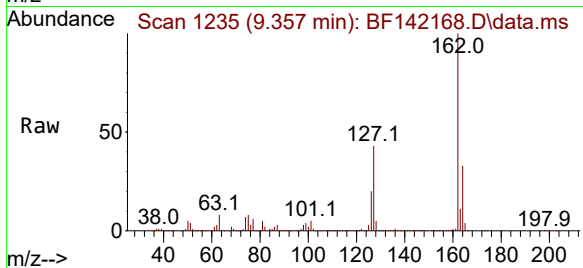
Tgt Ion:162 Resp: 787727

Ion Ratio Lower Upper

162 100

127 42.8 35.5 53.3

164 33.1 26.6 40.0



#48

2-Nitroaniline

Concen: 49.610 ng

RT: 9.451 min Scan# 1251

Delta R.T. -0.006 min

Lab File: BF142168.D

Acq: 28 Mar 2025 19:03

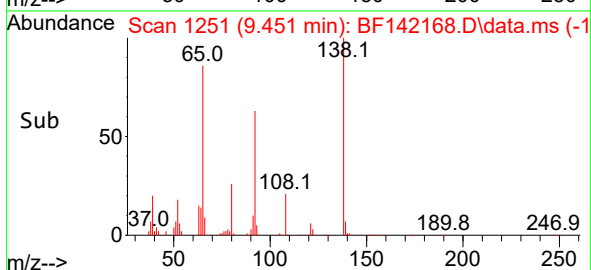
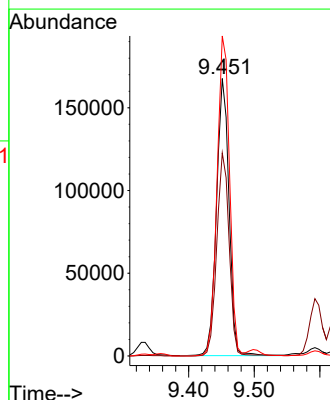
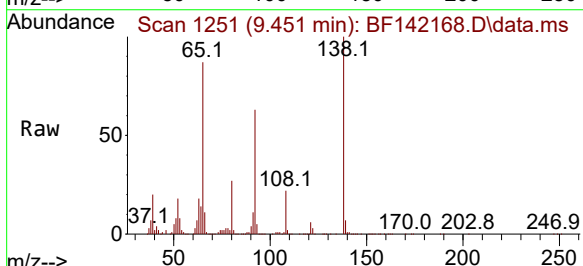
Tgt Ion: 65 Resp: 220864

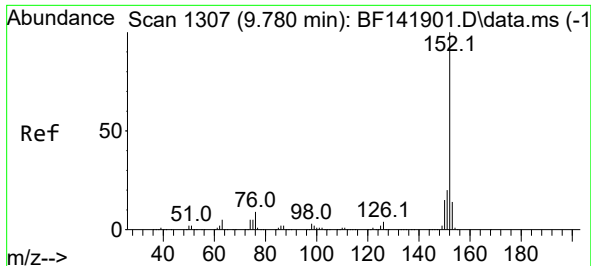
Ion Ratio Lower Upper

65 100

92 73.2 56.6 84.8

138 115.3 88.6 133.0





#49

Acenaphthylene

Concen: 52.492 ng

RT: 9.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142168.D

Acq: 28 Mar 2025 19:03

Instrument :

BNA_F

ClientSampleId :

72-11998MS

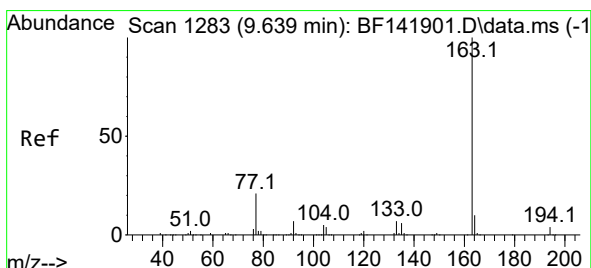
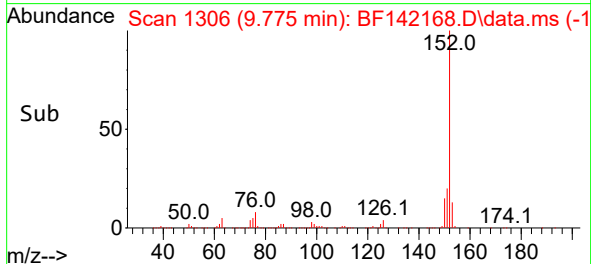
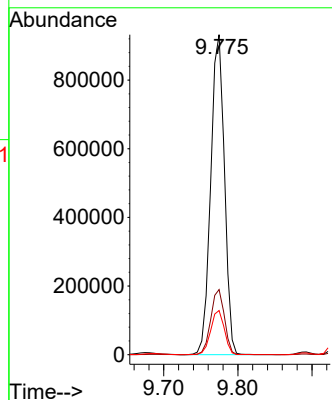
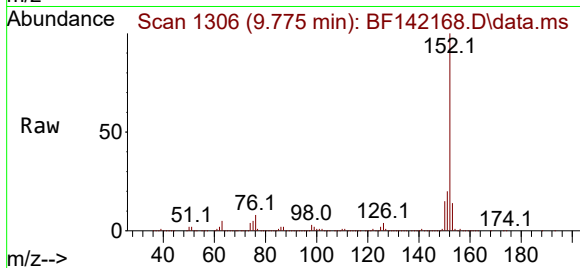
Tgt Ion:152 Resp: 1197738

Ion Ratio Lower Upper

152 100

151 20.3 16.3 24.5

153 13.8 11.1 16.7



#50

Dimethylphthalate

Concen: 50.705 ng

RT: 9.634 min Scan# 1282

Delta R.T. -0.006 min

Lab File: BF142168.D

Acq: 28 Mar 2025 19:03

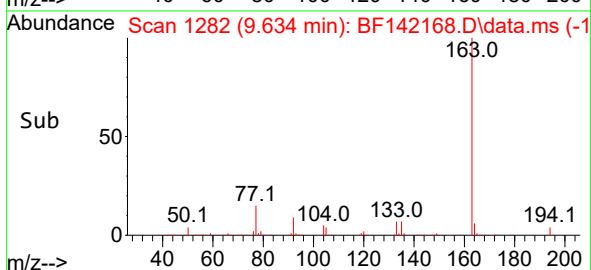
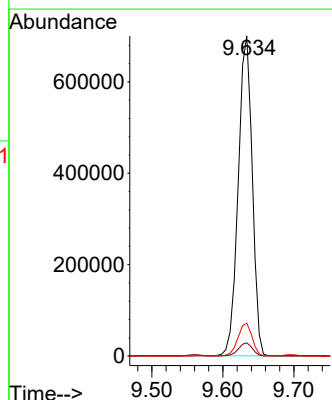
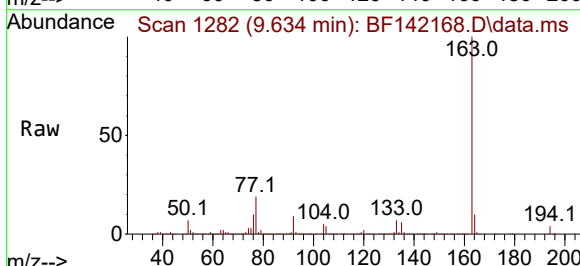
Tgt Ion:163 Resp: 964035

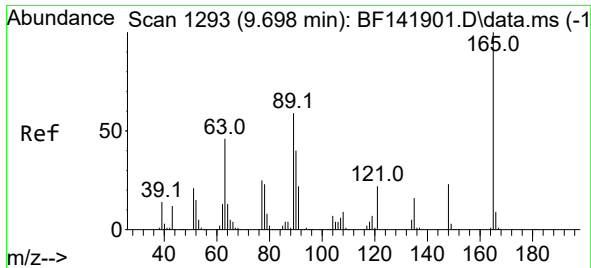
Ion Ratio Lower Upper

163 100

194 4.1 3.1 4.7

164 10.2 8.2 12.4

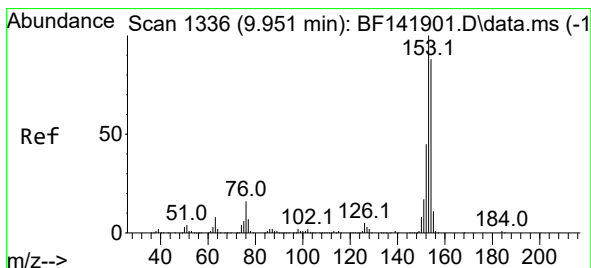
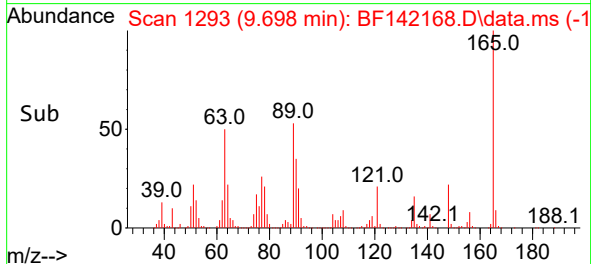
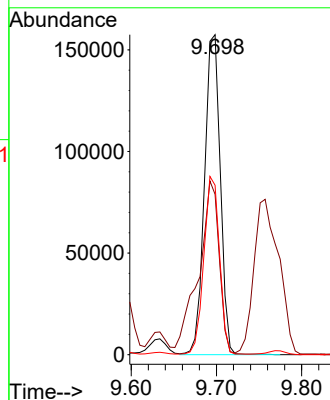
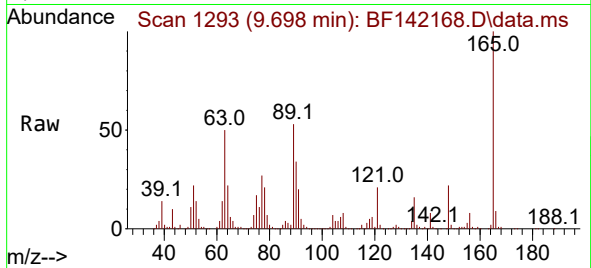




#51
2,6-Dinitrotoluene
Concen: 51.285 ng
RT: 9.698 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

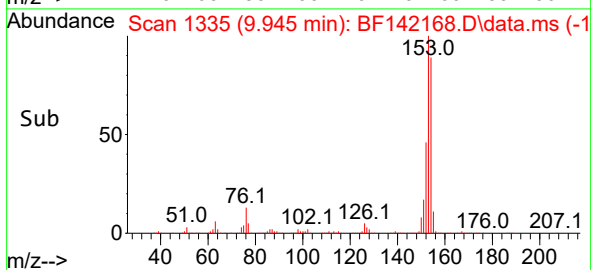
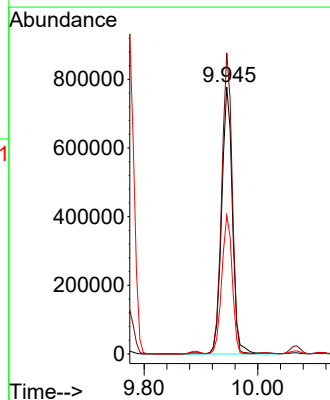
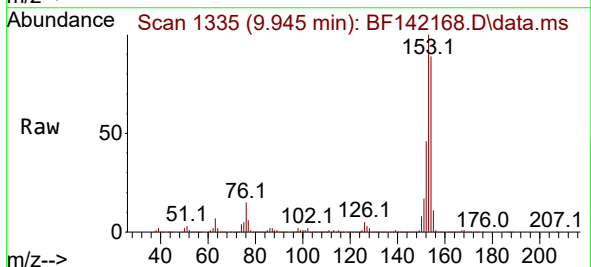
Instrument :
BNA_F
ClientSampleId :
72-11998MS

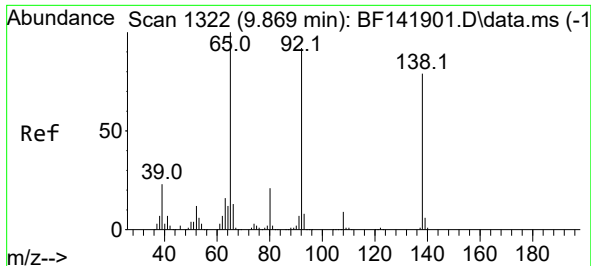
Tgt Ion:165 Resp: 203019
Ion Ratio Lower Upper
165 100
63 50.1 47.0 70.4
89 53.0 47.4 71.2



#52
Acenaphthene
Concen: 63.990 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

Tgt Ion:154 Resp: 1026073
Ion Ratio Lower Upper
154 100
153 112.9 90.7 136.1
152 51.9 41.1 61.7

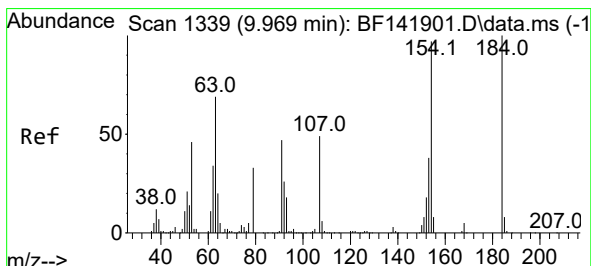
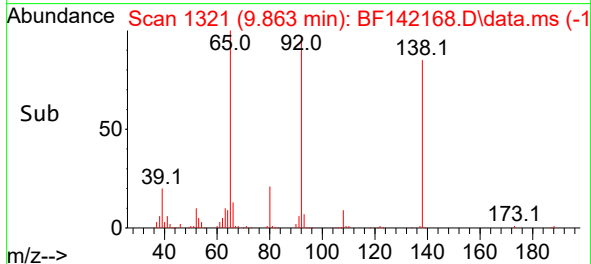
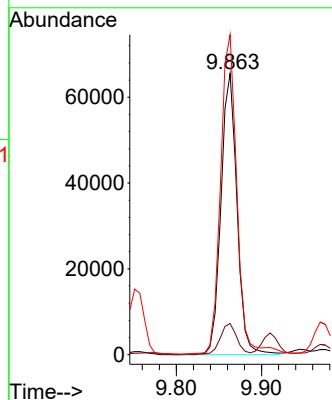
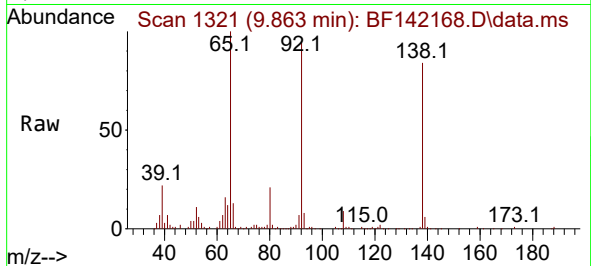




#53
3-Nitroaniline
Concen: 21.313 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

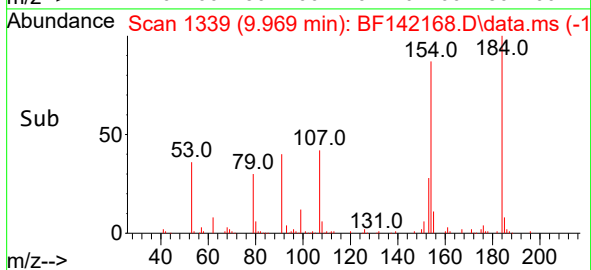
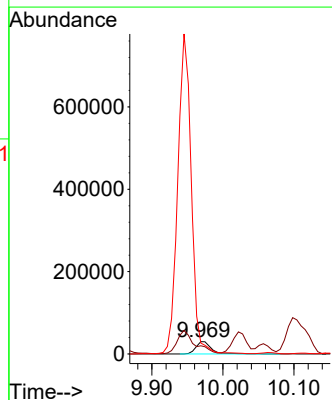
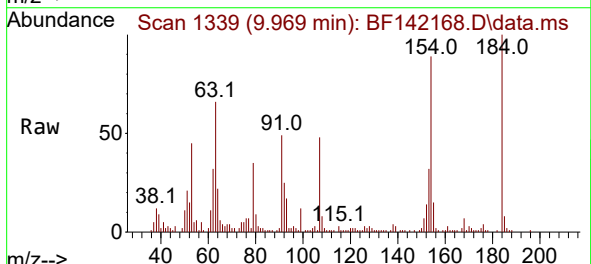
Instrument :
BNA_F
ClientSampleId :
72-11998MS

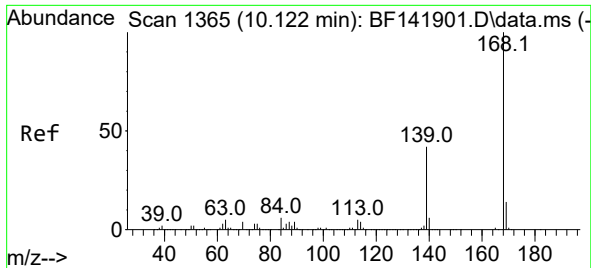
Tgt Ion:138 Resp: 85584
Ion Ratio Lower Upper
138 100
108 11.1 9.3 13.9
92 113.8 93.5 140.3



#54
2,4-Dinitrophenol
Concen: 25.012 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

Tgt Ion:184 Resp: 45184
Ion Ratio Lower Upper
184 100
63 66.4 60.2 90.4
154 88.9 132.9 199.3#

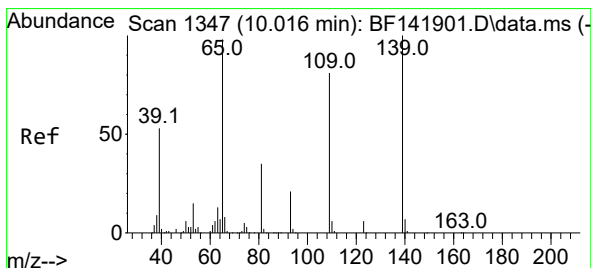
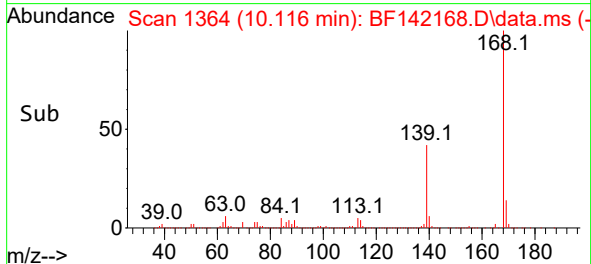
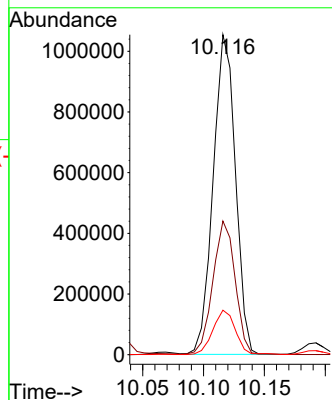
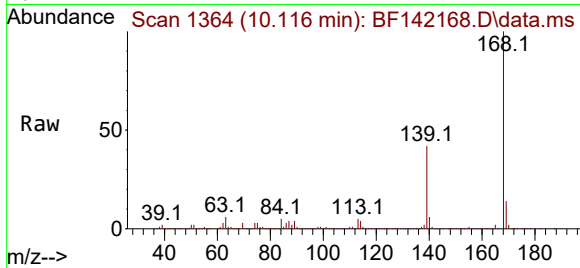




#55
Dibenzenofuran
Concen: 58.564 ng
RT: 10.116 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

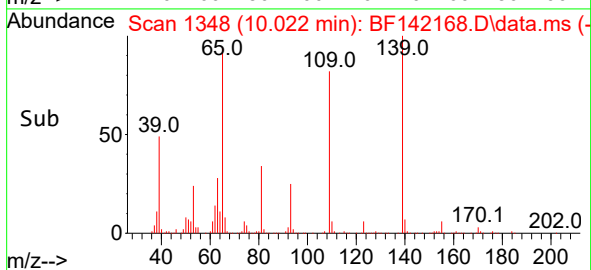
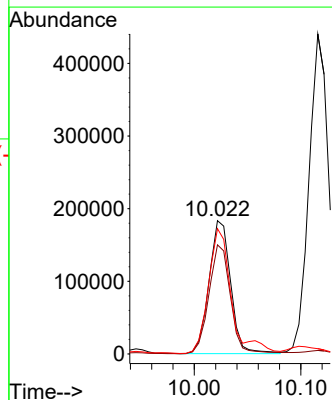
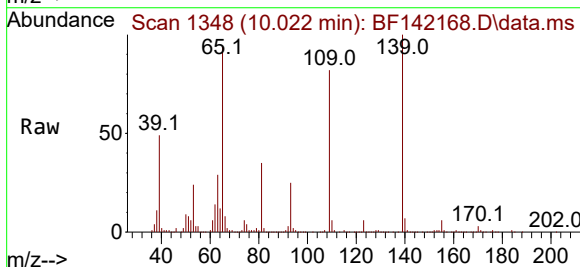
Instrument :
BNA_F
ClientSampleId :
72-11998MS

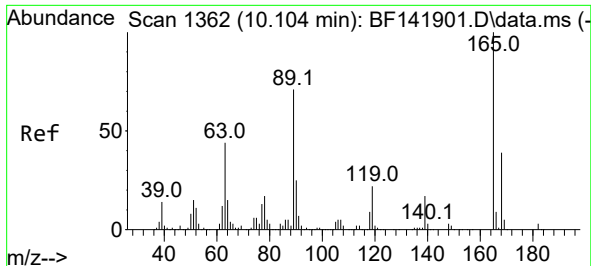
Tgt Ion:168 Resp: 1341840
Ion Ratio Lower Upper
168 100
139 41.8 33.9 50.9
169 13.9 11.0 16.4



#56
4-Nitrophenol
Concen: 85.316 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.006 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

Tgt Ion:139 Resp: 258354
Ion Ratio Lower Upper
139 100
109 81.8 61.6 101.6
65 94.0 79.4 119.4

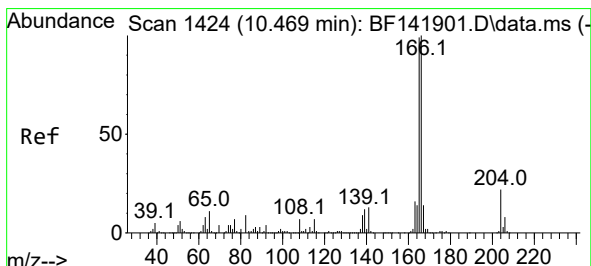
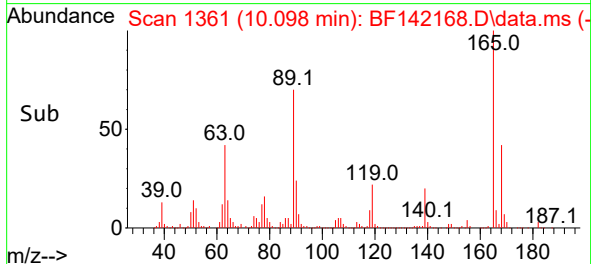
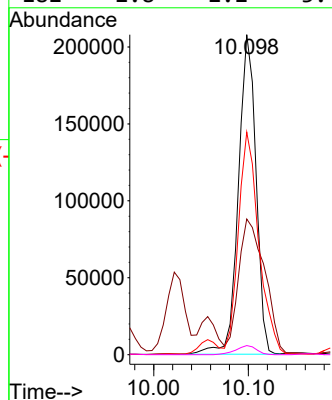
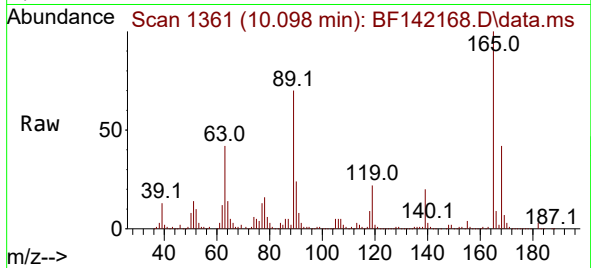




#57
2,4-Dinitrotoluene
Concen: 51.748 ng
RT: 10.098 min Scan# 1361
Delta R.T. -0.006 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

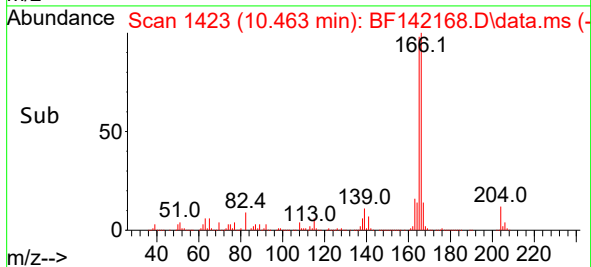
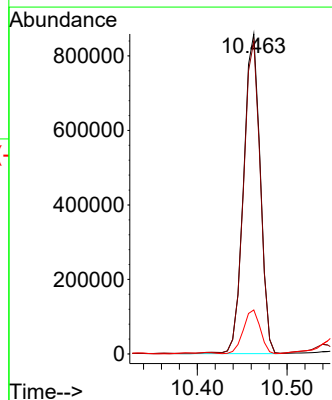
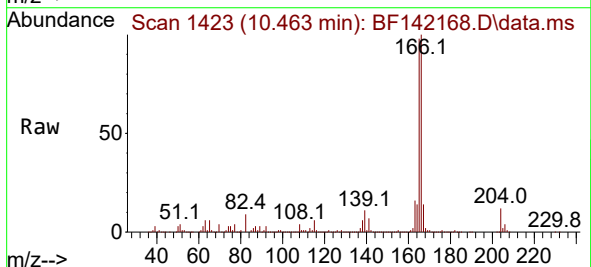
Instrument :
BNA_F
ClientSampleId :
72-11998MS

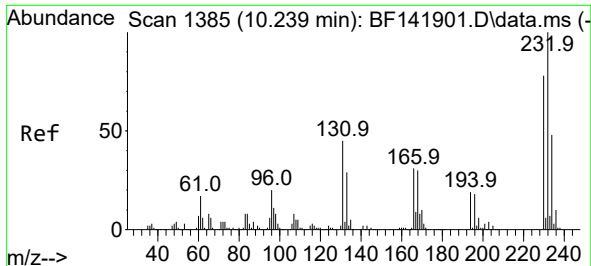
Tgt Ion:165 Resp: 267559
Ion Ratio Lower Upper
165 100
63 42.4 35.4 53.2
89 69.5 56.6 84.8
182 2.8 2.2 3.4



#58
Fluorene
Concen: 62.414 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

Tgt Ion:166 Resp: 1102801
Ion Ratio Lower Upper
166 100
165 97.7 79.0 118.4
167 13.8 11.0 16.4

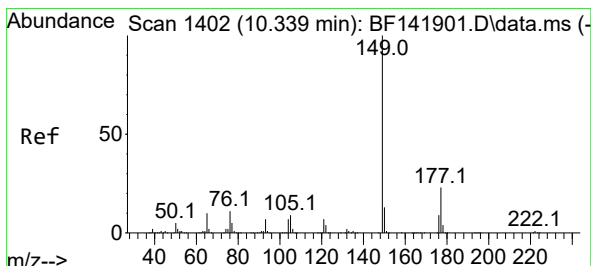
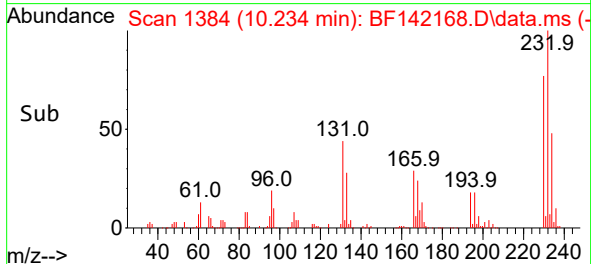
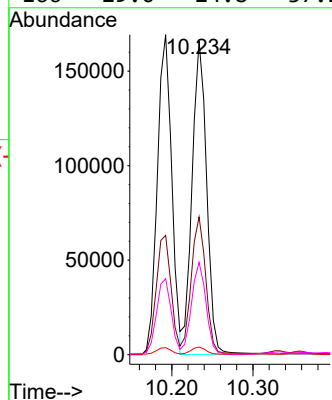
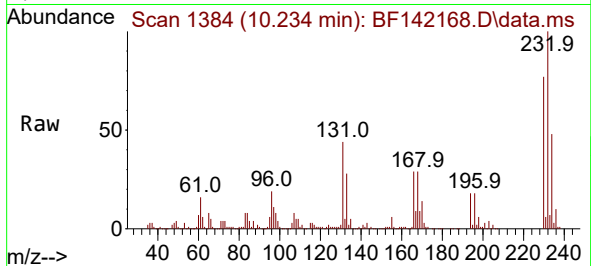




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.669 ng
RT: 10.234 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

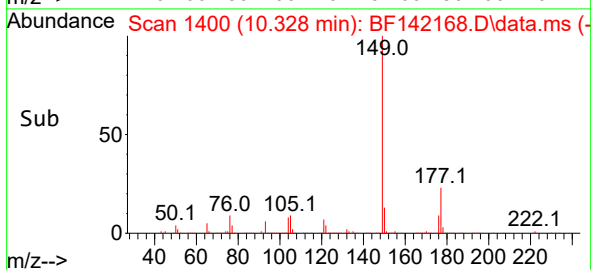
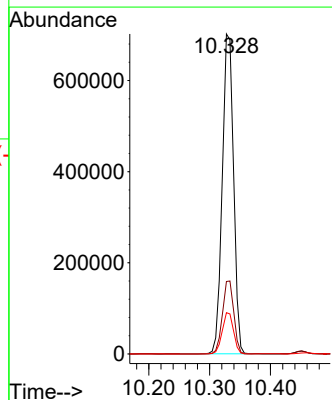
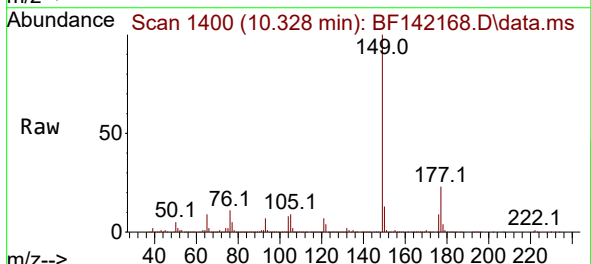
Instrument :
BNA_F
ClientSampleId :
72-11998MS

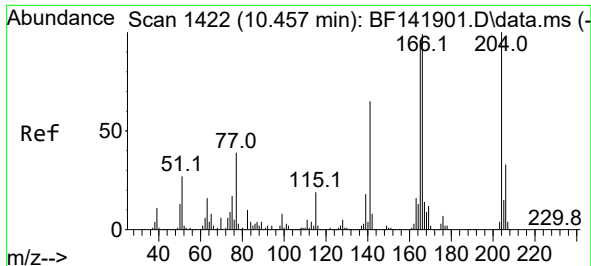
Tgt Ion:232 Resp: 207462
Ion Ratio Lower Upper
232 100
131 43.2 37.3 55.9
130 2.7 1.9 2.9
166 29.0 24.8 37.2



#60
Diethylphthalate
Concen: 47.735 ng
RT: 10.328 min Scan# 1400
Delta R.T. -0.012 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

Tgt Ion:149 Resp: 904966
Ion Ratio Lower Upper
149 100
177 22.6 18.0 27.0
150 12.9 10.2 15.4

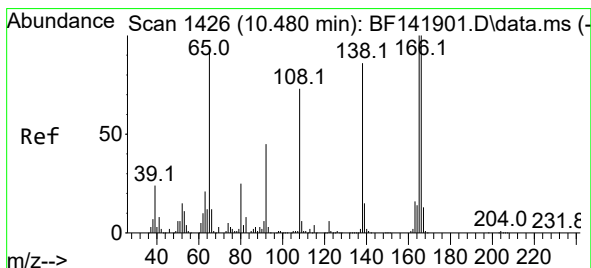
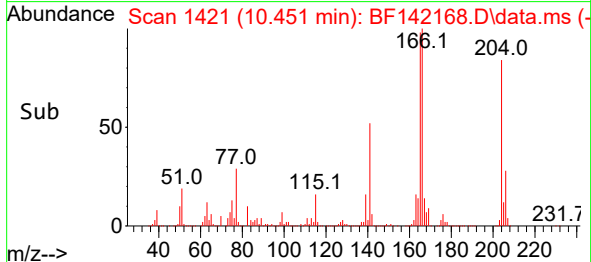
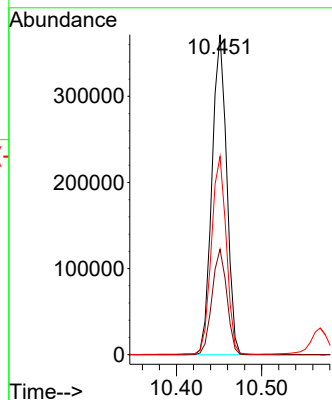
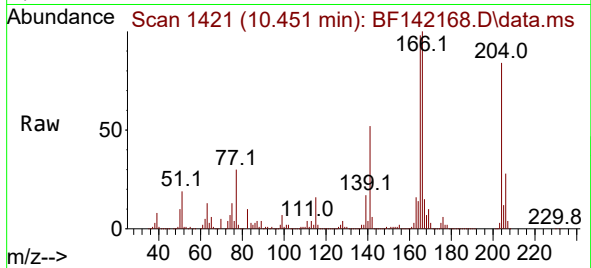




#61
4-Chlorophenyl-phenylether
Concen: 48.299 ng
RT: 10.451 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

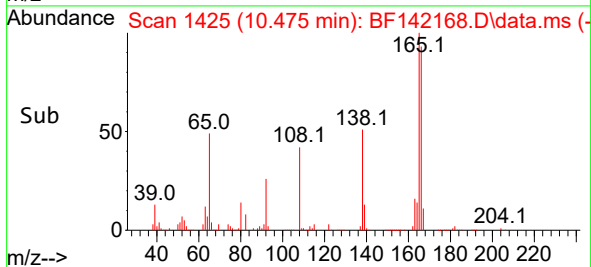
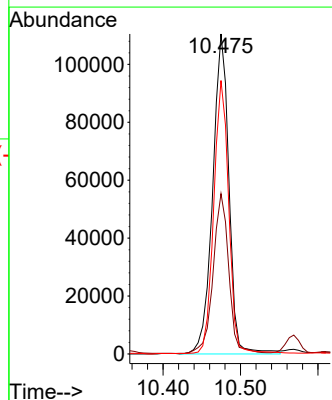
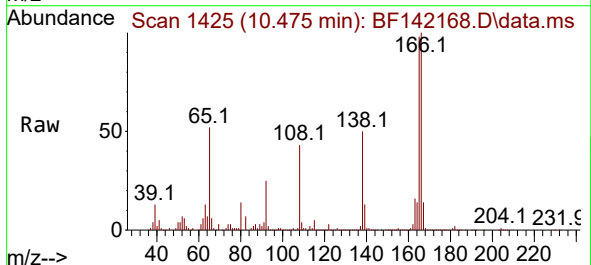
Instrument :
BNA_F
ClientSampleId :
72-11998MS

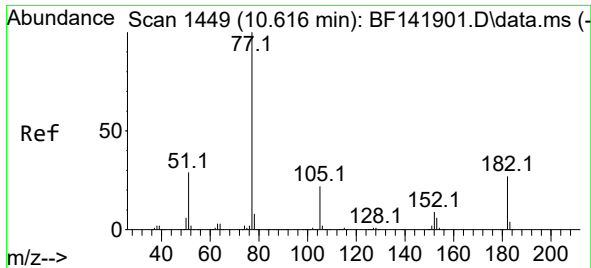
Tgt Ion:204 Resp: 444921
Ion Ratio Lower Upper
204 100
206 33.0 26.8 40.2
141 61.9 52.4 78.6



#62
4-Nitroaniline
Concen: 41.308 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

Tgt Ion:138 Resp: 161487
Ion Ratio Lower Upper
138 100
92 50.1 32.6 72.6
108 85.4 65.0 105.0

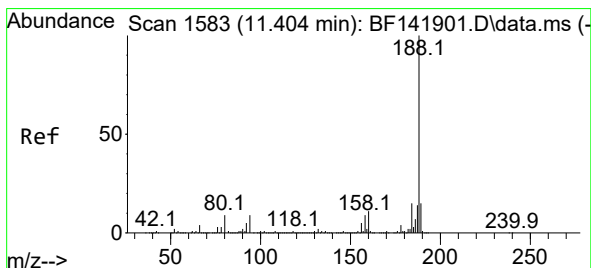
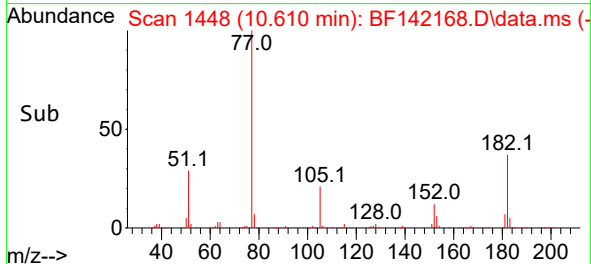
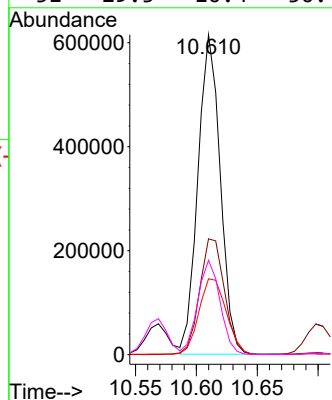
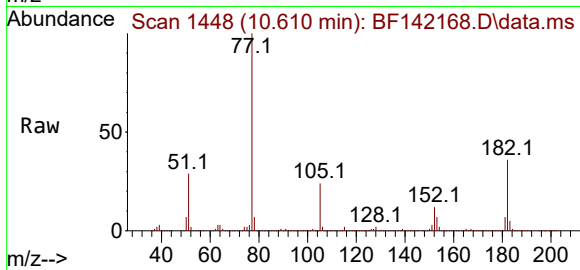




#63
Azobenzene
Concen: 44.425 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

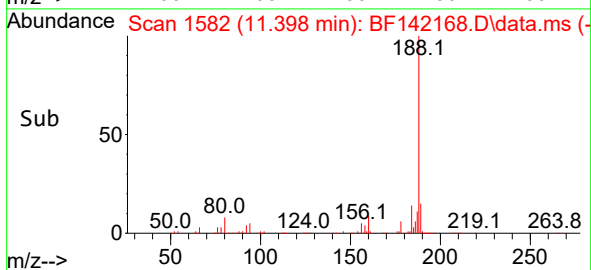
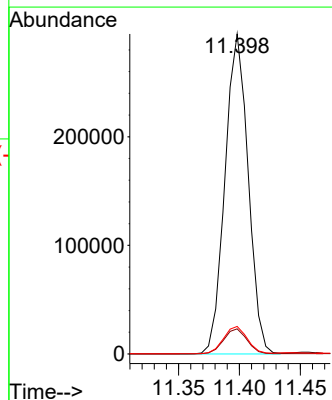
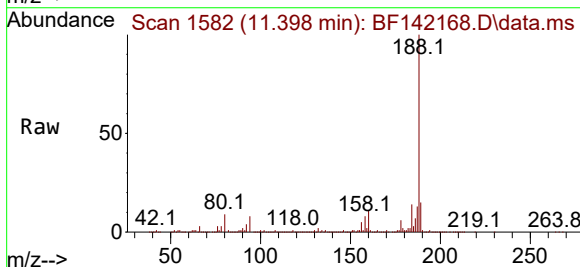
Instrument :
BNA_F
ClientSampleId :
72-11998MS

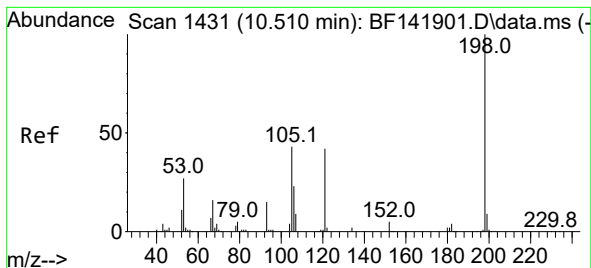
Tgt Ion:	77	Resp:	783018
Ion	Ratio	Lower	Upper
77	100		
182	36.2	6.6	46.6
105	23.7	1.3	41.3
51	29.5	10.4	50.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

Tgt Ion:	188	Resp:	390845
Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.8	10.2
80	8.6	7.6	11.4

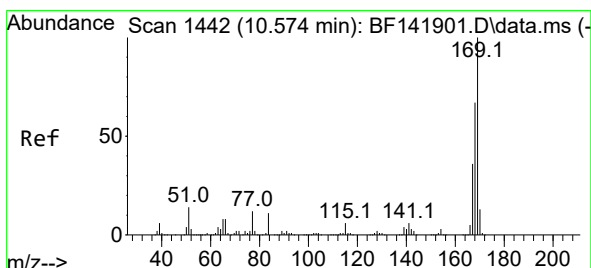
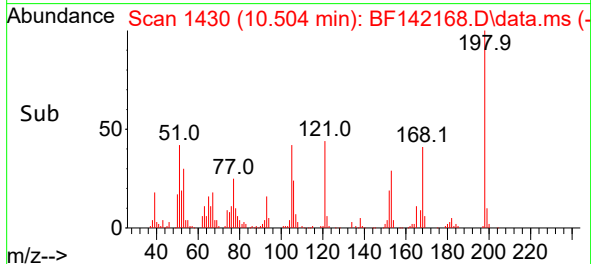
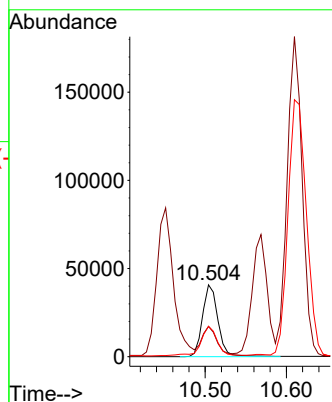
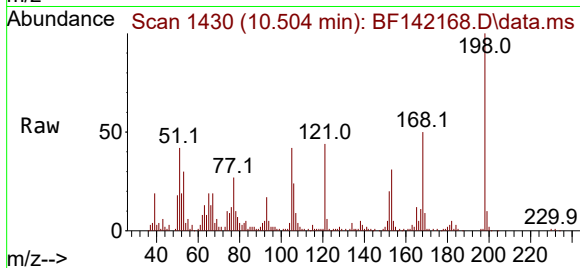




#65
4,6-Dinitro-2-methylphenol
Concen: 23.095 ng
RT: 10.504 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

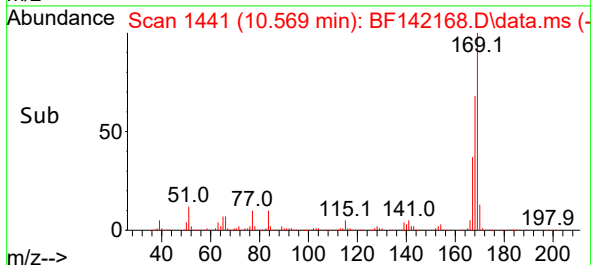
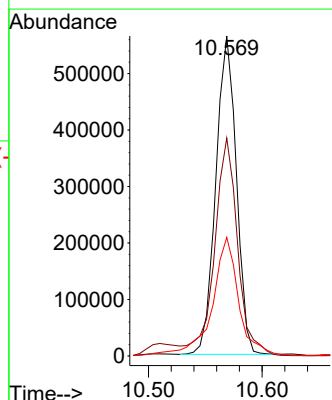
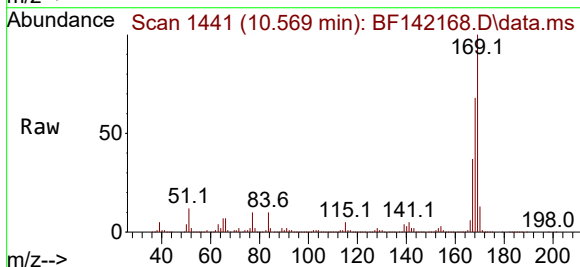
Instrument :
BNA_F
ClientSampleId :
72-11998MS

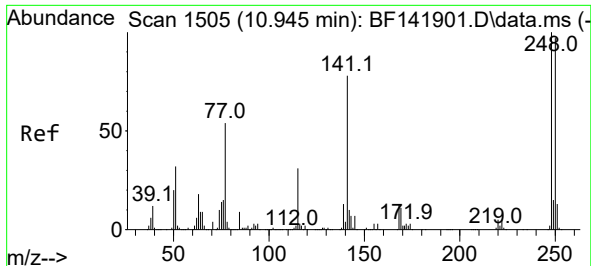
Tgt Ion:198 Resp: 53812
Ion Ratio Lower Upper
198 100
51 42.1 22.3 62.3
105 42.2 23.0 63.0



#66
n-Nitrosodiphenylamine
Concen: 56.041 ng
RT: 10.569 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

Tgt Ion:169 Resp: 708804
Ion Ratio Lower Upper
169 100
168 68.1 53.7 80.5
167 37.0 29.2 43.8

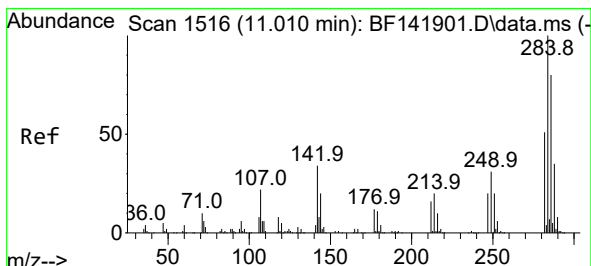
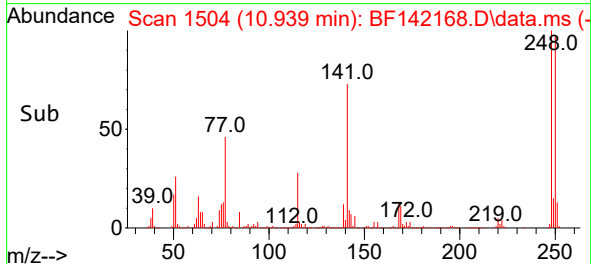
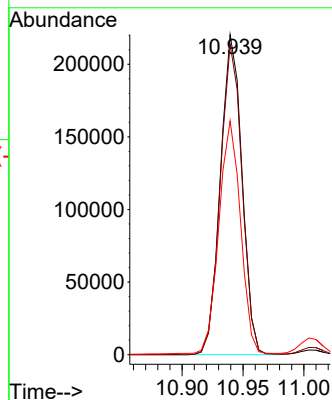
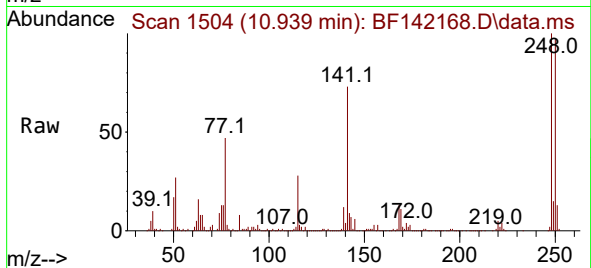




#67
4-Bromophenyl-phenylether
Concen: 55.545 ng
RT: 10.939 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

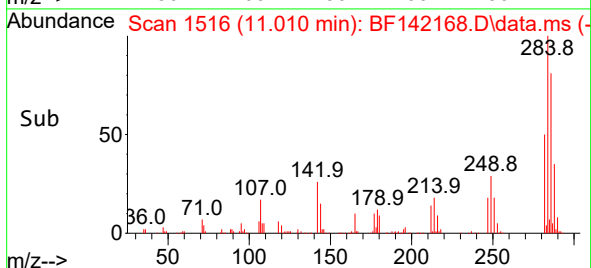
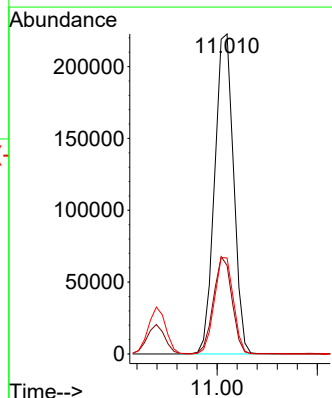
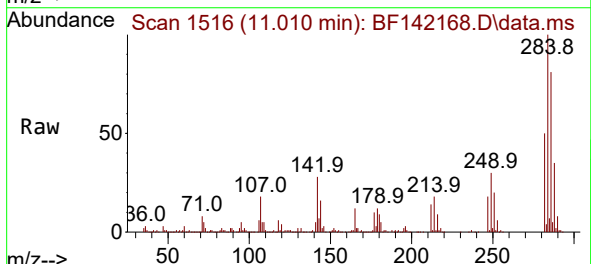
Instrument :
BNA_F
ClientSampleId :
72-11998MS

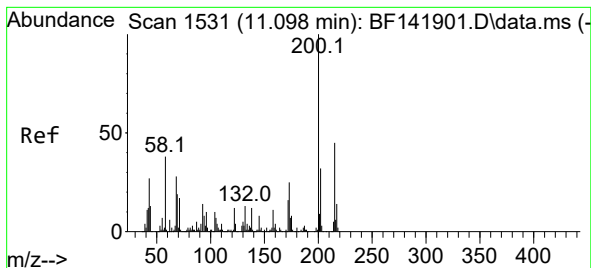
Tgt Ion:248 Resp: 272646
Ion Ratio Lower Upper
248 100
250 97.0 77.8 116.8
141 73.1 62.6 93.8



#68
Hexachlorobenzene
Concen: 54.066 ng
RT: 11.010 min Scan# 1516
Delta R.T. 0.000 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

Tgt Ion:284 Resp: 291070
Ion Ratio Lower Upper
284 100
142 27.6 27.0 40.6
249 30.0 25.2 37.8





#69

Atrazine

Concen: 63.624 ng

RT: 11.098 min Scan# 1531

Delta R.T. 0.000 min

Lab File: BF142168.D

Acq: 28 Mar 2025 19:03

Instrument :

BNA_F

ClientSampleId :

72-11998MS

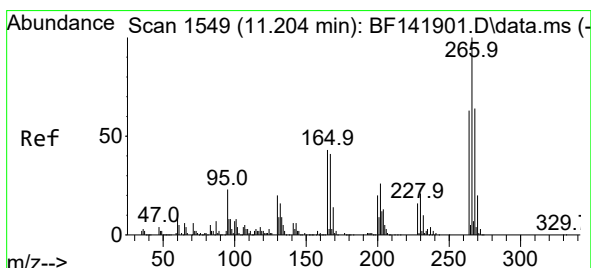
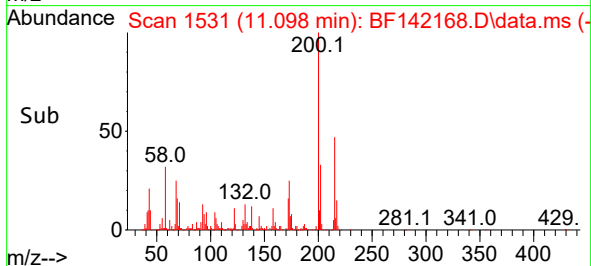
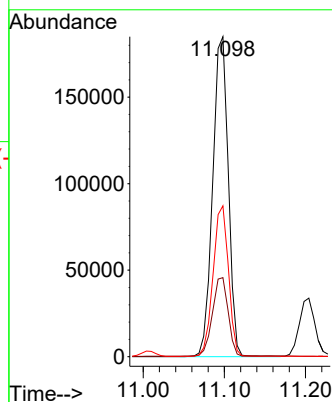
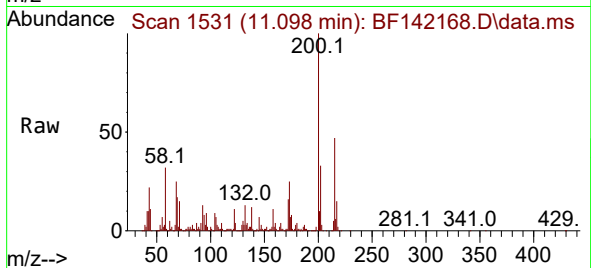
Tgt Ion:200 Resp: 246692

Ion Ratio Lower Upper

200 100

173 24.7 4.7 44.7

215 47.2 25.4 65.4



#70

Pentachlorophenol

Concen: 74.390 ng

RT: 11.204 min Scan# 1549

Delta R.T. 0.000 min

Lab File: BF142168.D

Acq: 28 Mar 2025 19:03

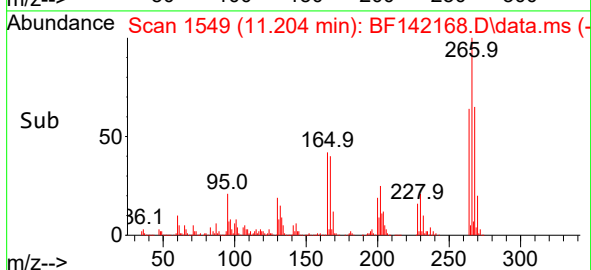
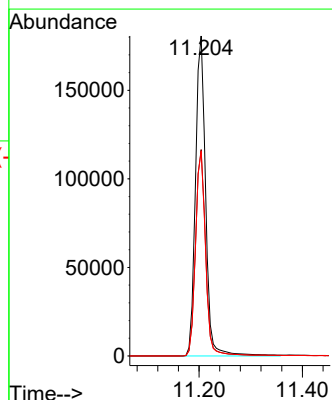
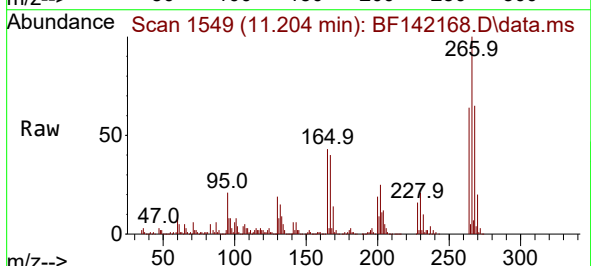
Tgt Ion:266 Resp: 246750

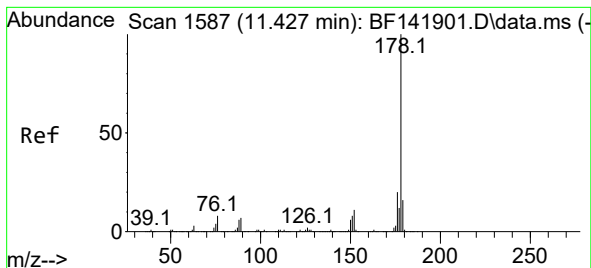
Ion Ratio Lower Upper

266 100

268 64.5 51.0 76.6

264 64.0 50.2 75.2





#71

Phenanthrene

Concen: 107.502 ng

RT: 11.428 min Scan# 1587

Delta R.T. 0.000 min

Lab File: BF142168.D

Acq: 28 Mar 2025 19:03

Instrument :

BNA_F

ClientSampleId :

72-11998MS

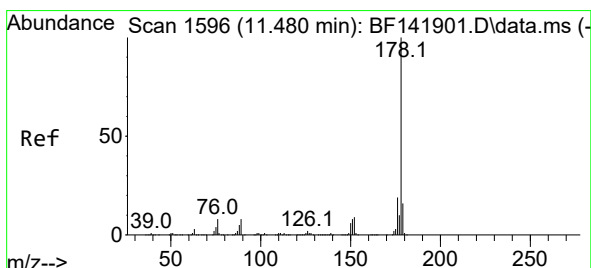
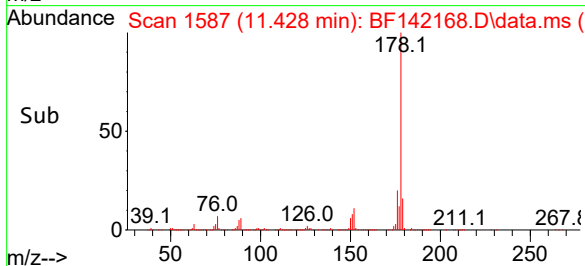
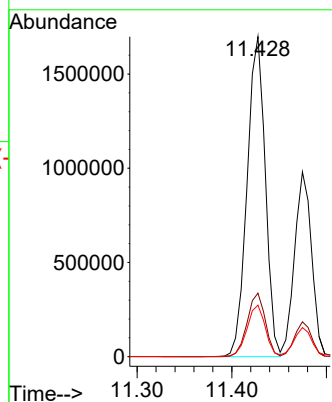
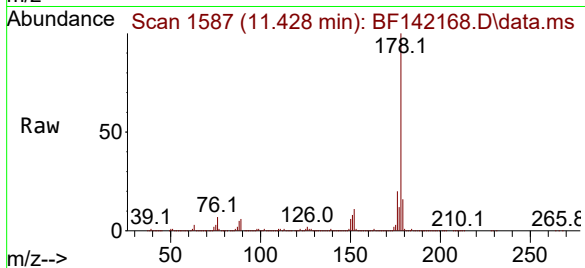
Tgt Ion:178 Resp: 2269451

Ion Ratio Lower Upper

178 100

176 19.8 15.8 23.8

179 16.1 12.6 19.0



#72

Anthracene

Concen: 57.985 ng

RT: 11.475 min Scan# 1595

Delta R.T. -0.006 min

Lab File: BF142168.D

Acq: 28 Mar 2025 19:03

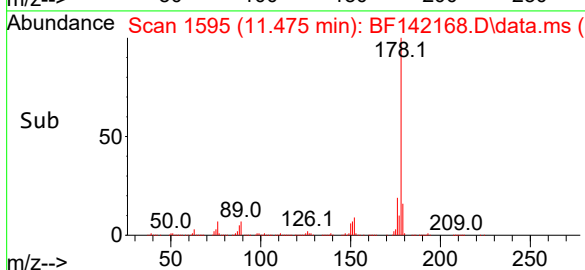
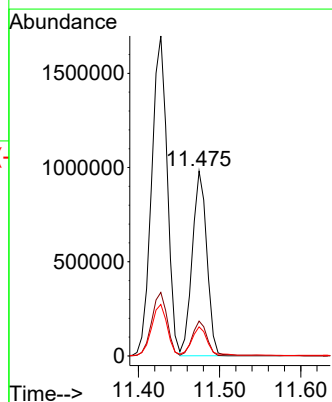
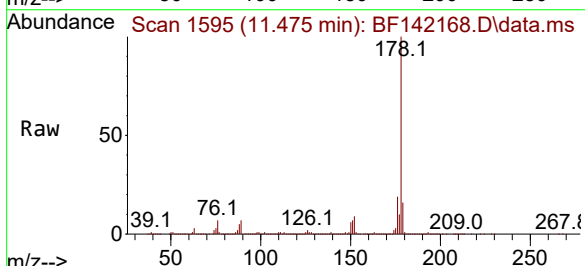
Tgt Ion:178 Resp: 1228097

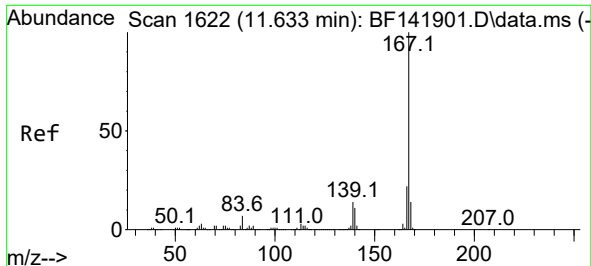
Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

179 15.7 12.6 19.0

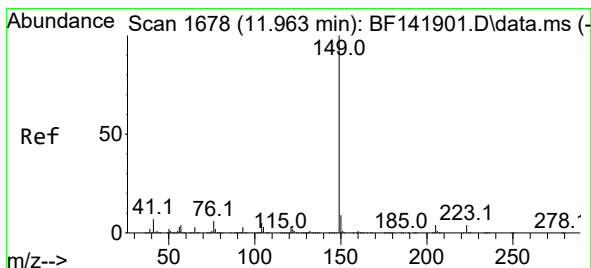
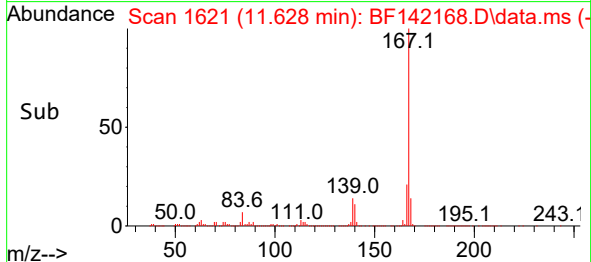
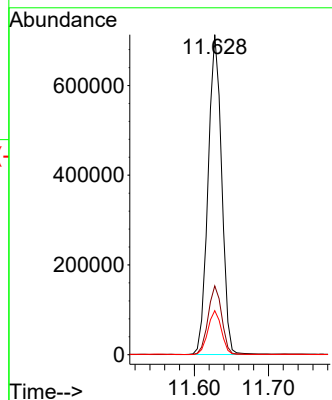
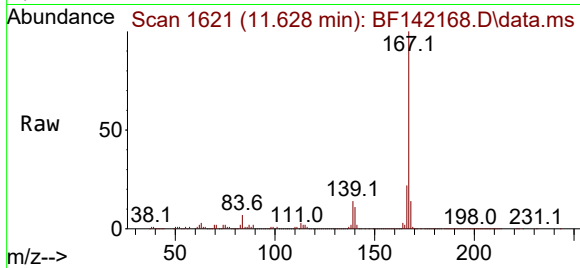




#73
 Carbazole
 Concen: 49.666 ng
 RT: 11.628 min Scan# 1621
 Delta R.T. -0.006 min
 Lab File: BF142168.D
 Acq: 28 Mar 2025 19:03

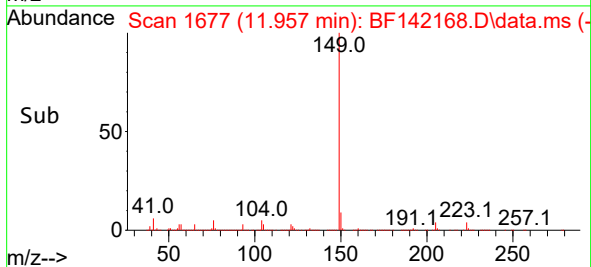
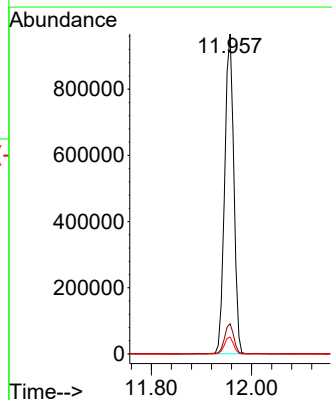
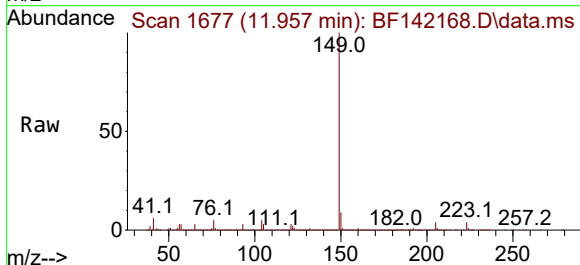
Instrument :
 BNA_F
 ClientSampleId :
 72-11998MS

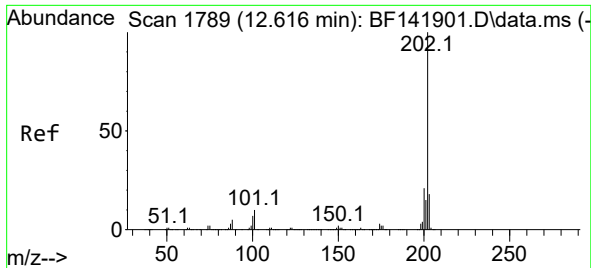
Tgt Ion:167 Resp: 907178
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.4 26.2
 139 13.8 11.0 16.6



#74
 Di-n-butylphthalate
 Concen: 50.333 ng
 RT: 11.957 min Scan# 1677
 Delta R.T. -0.006 min
 Lab File: BF142168.D
 Acq: 28 Mar 2025 19:03

Tgt Ion:149 Resp: 1219878
 Ion Ratio Lower Upper
 149 100
 150 9.5 7.6 11.4
 104 5.3 4.4 6.6

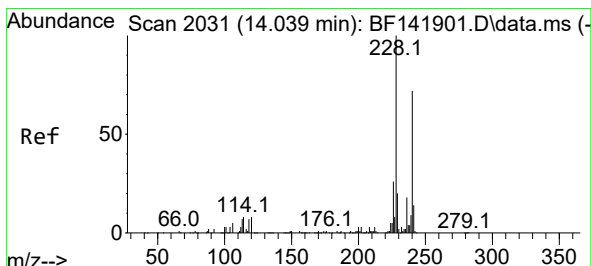
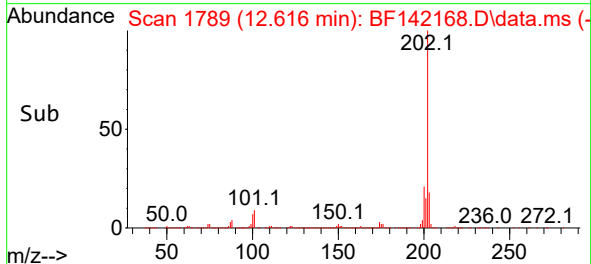
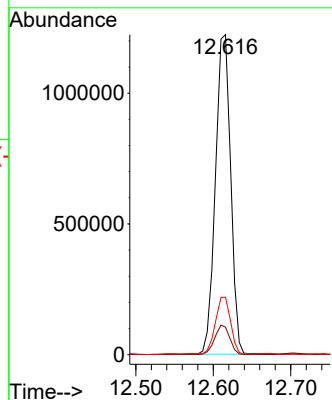
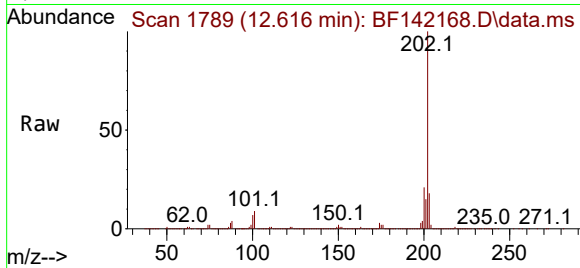




#75
Fluoranthene
Concen: 74.519 ng
RT: 12.616 min Scan# 1789
Delta R.T. 0.000 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

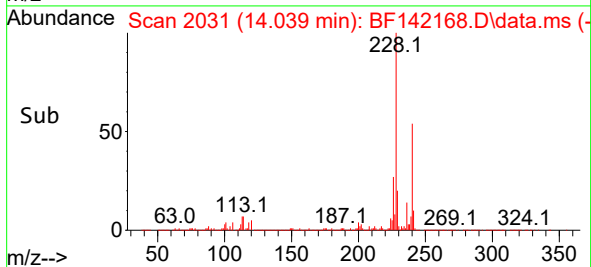
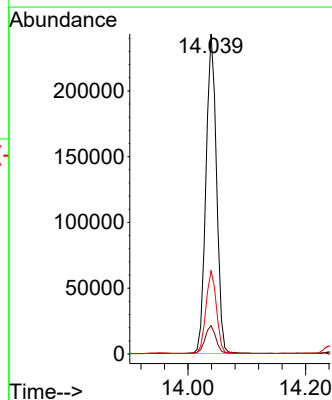
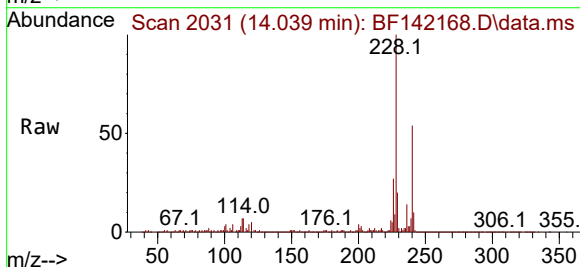
Instrument :
BNA_F
ClientSampleId :
72-11998MS

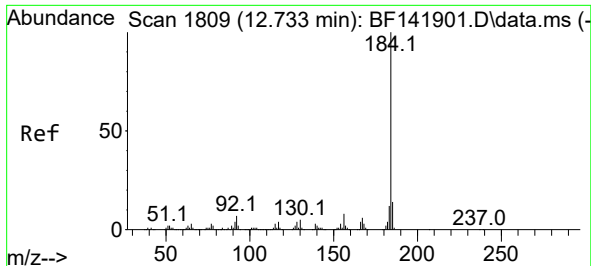
Tgt Ion:202 Resp: 1668748
Ion Ratio Lower Upper
202 100
101 8.6 0.0 29.7
203 18.0 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

Tgt Ion:240 Resp: 301779
Ion Ratio Lower Upper
240 100
120 8.9 8.4 12.6
236 26.0 20.5 30.7

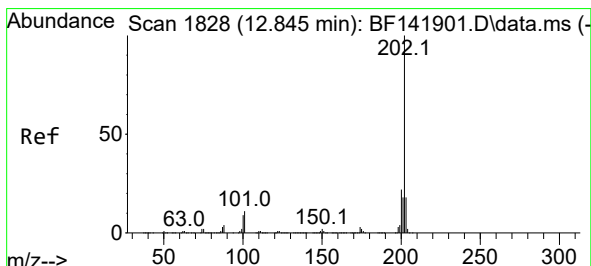
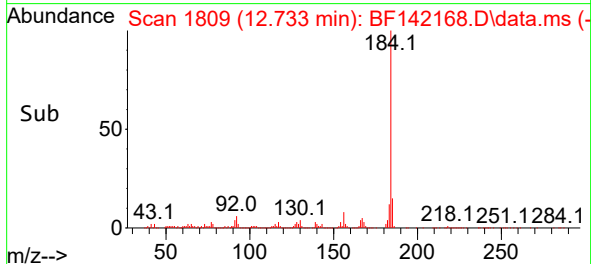
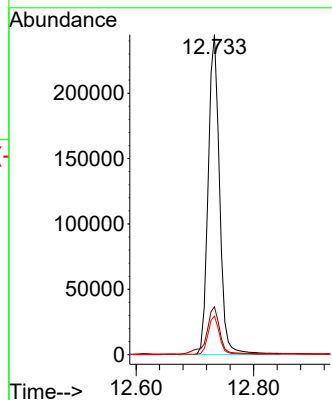
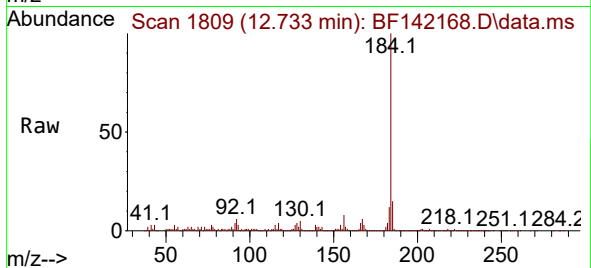




#77
Benzidine
Concen: 78.395 ng
RT: 12.733 min Scan# 1809
Delta R.T. 0.000 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

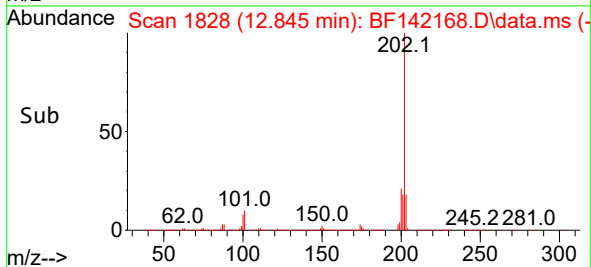
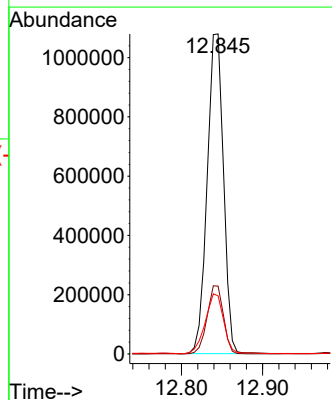
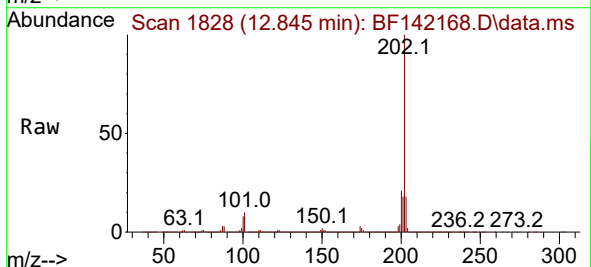
Instrument :
BNA_F
ClientSampleId :
72-11998MS

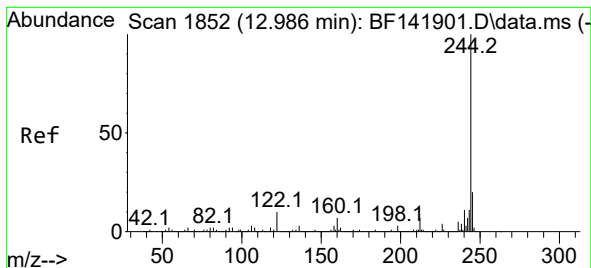
Tgt Ion:184 Resp: 330075
Ion Ratio Lower Upper
184 100
185 14.9 11.5 17.3
183 12.1 9.7 14.5



#78
Pyrene
Concen: 57.590 ng
RT: 12.845 min Scan# 1828
Delta R.T. 0.000 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

Tgt Ion:202 Resp: 1503337
Ion Ratio Lower Upper
202 100
200 21.2 17.3 25.9
203 18.2 14.4 21.6





#79

Terphenyl-d14

Concen: 50.926 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF142168.D

Acq: 28 Mar 2025 19:03

Instrument :

BNA_F

ClientSampleId :

72-11998MS

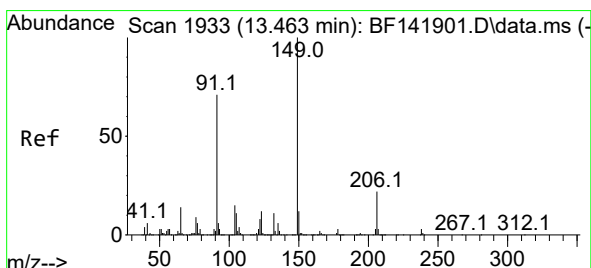
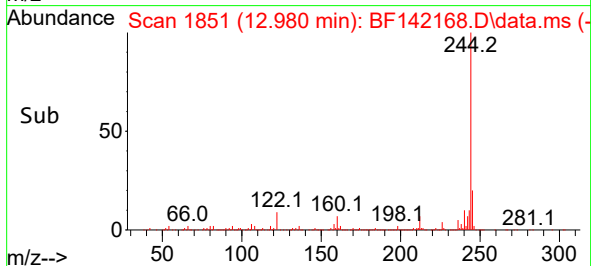
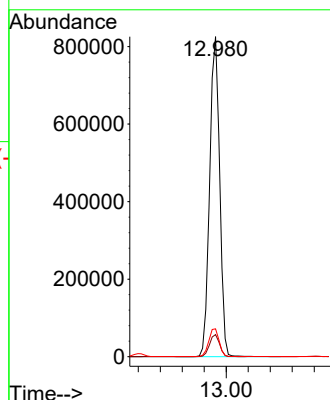
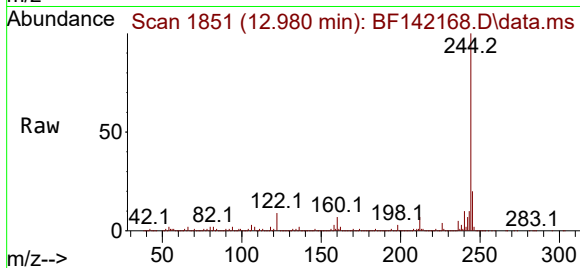
Tgt Ion:244 Resp: 1039486

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

122 8.7 7.7 11.5



#80

Butylbenzylphthalate

Concen: 46.124 ng

RT: 13.457 min Scan# 1932

Delta R.T. -0.006 min

Lab File: BF142168.D

Acq: 28 Mar 2025 19:03

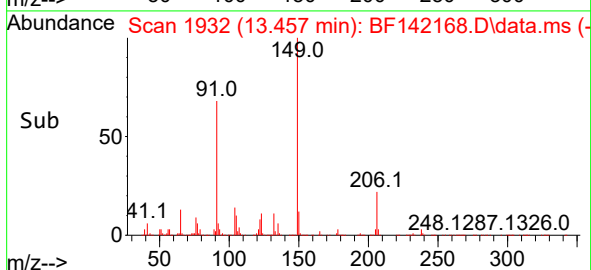
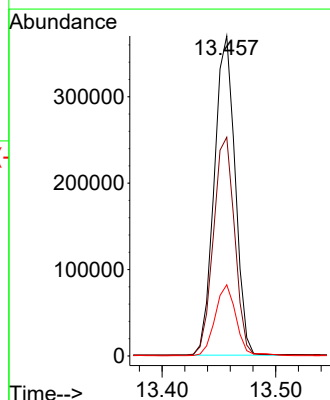
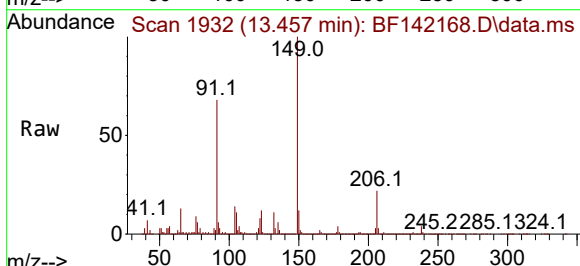
Tgt Ion:149 Resp: 471258

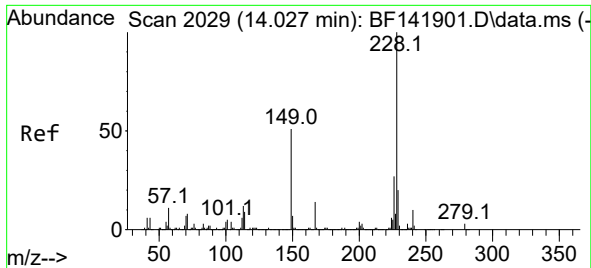
Ion Ratio Lower Upper

149 100

91 68.3 56.5 84.7

206 22.3 17.3 25.9

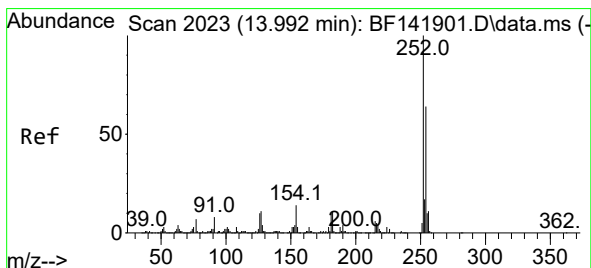
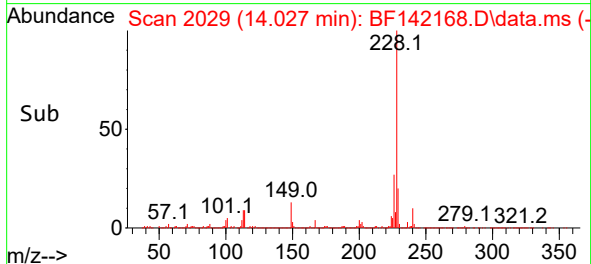
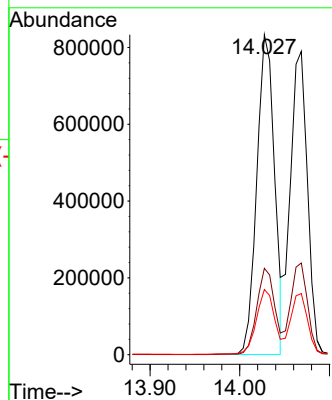
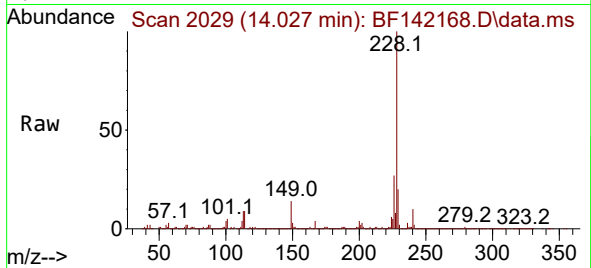




#81
Benzo(a)anthracene
Concen: 57.740 ng
RT: 14.027 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

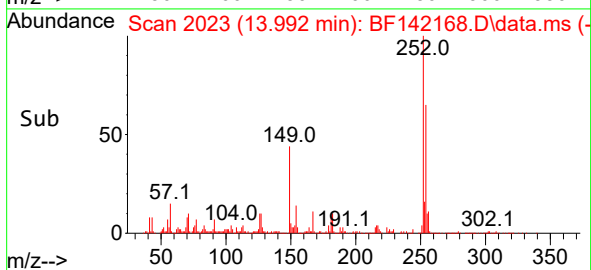
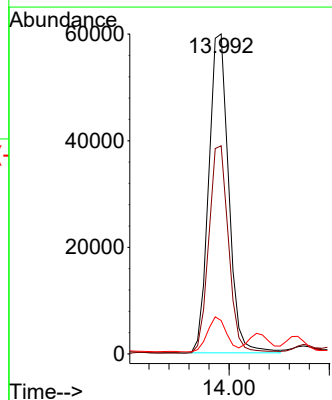
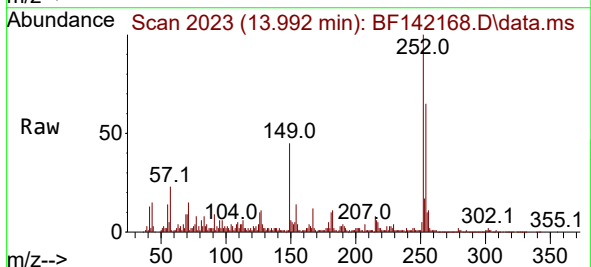
Instrument :
BNA_F
ClientSampleId :
72-11998MS

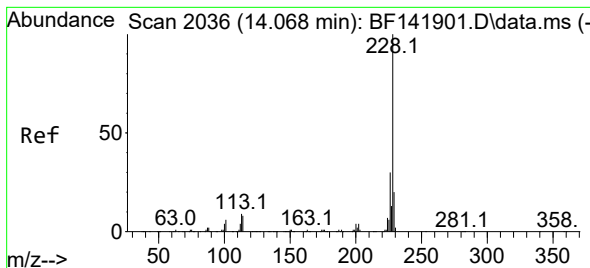
Tgt Ion:228 Resp: 1143419
Ion Ratio Lower Upper
228 100
226 27.0 21.8 32.8
229 20.4 16.0 24.0



#82
3,3'-Dichlorobenzidine
Concen: 14.450 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF142168.D
Acq: 28 Mar 2025 19:03

Tgt Ion:252 Resp: 82696
Ion Ratio Lower Upper
252 100
254 65.0 51.0 76.6
126 10.4 8.4 12.6





#83

Chrysene

Concen: 57.842 ng

RT: 14.069 min Scan# 2036

Delta R.T. 0.000 min

Lab File: BF142168.D

Acq: 28 Mar 2025 19:03

Instrument :

BNA_F

ClientSampleId :

72-11998MS

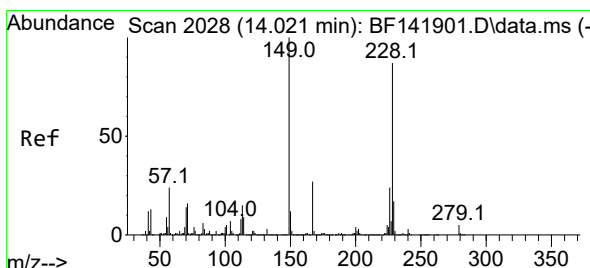
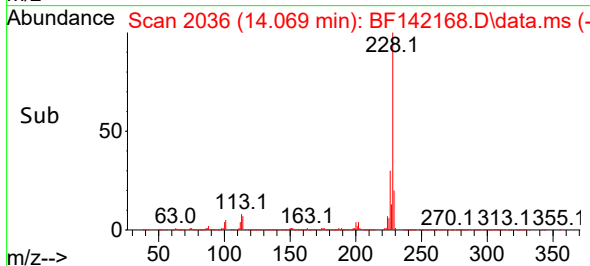
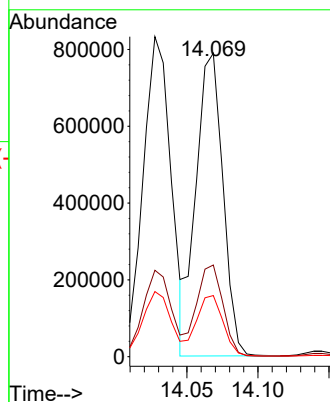
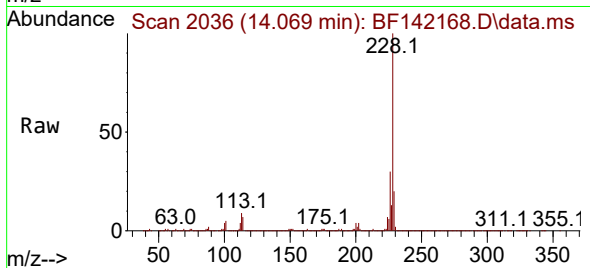
Tgt Ion:228 Resp: 1038293

Ion Ratio Lower Upper

228 100

226 30.2 24.1 36.1

229 20.2 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 48.739 ng

RT: 14.010 min Scan# 2026

Delta R.T. -0.012 min

Lab File: BF142168.D

Acq: 28 Mar 2025 19:03

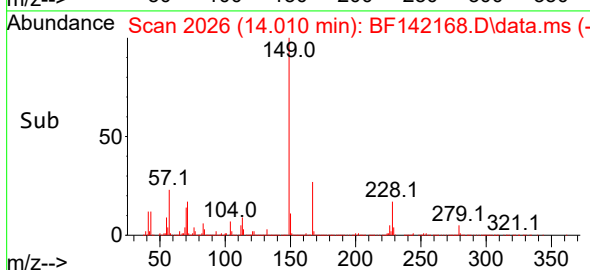
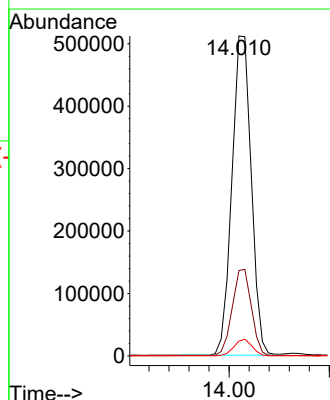
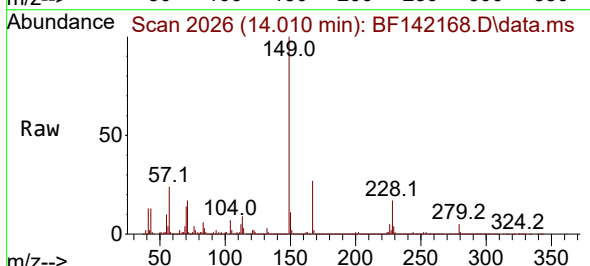
Tgt Ion:149 Resp: 686609

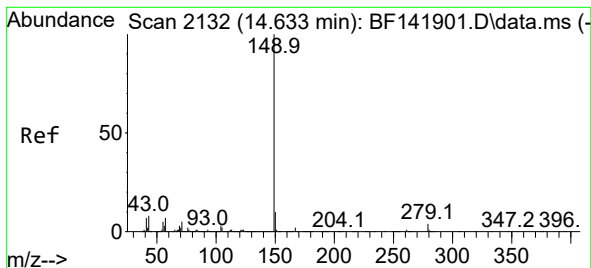
Ion Ratio Lower Upper

149 100

167 26.7 21.4 32.0

279 4.6 3.8 5.6





#85

Di-n-octyl phthalate

Concen: 56.628 ng

RT: 14.627 min Scan# 2132

Delta R.T. -0.006 min

Lab File: BF142168.D

Acq: 28 Mar 2025 19:03

Instrument :

BNA_F

ClientSampleId :

72-11998MS

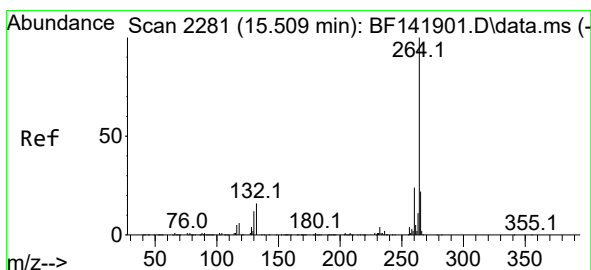
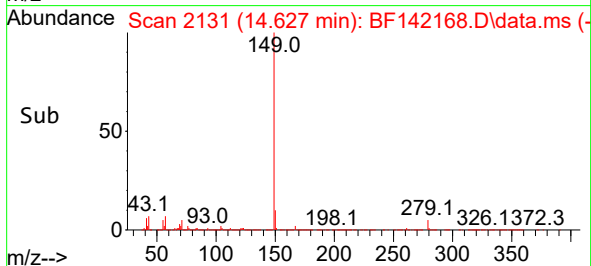
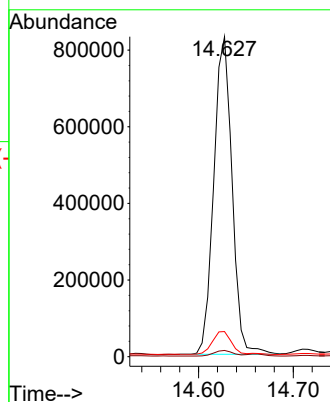
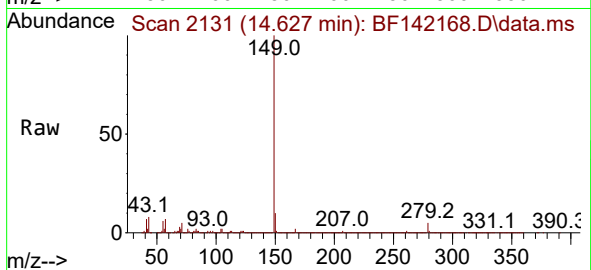
Tgt Ion:149 Resp: 1109975

Ion Ratio Lower Upper

149 100

167 1.9 1.3 1.9

43 7.6 6.9 10.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.510 min Scan# 2281

Delta R.T. 0.000 min

Lab File: BF142168.D

Acq: 28 Mar 2025 19:03

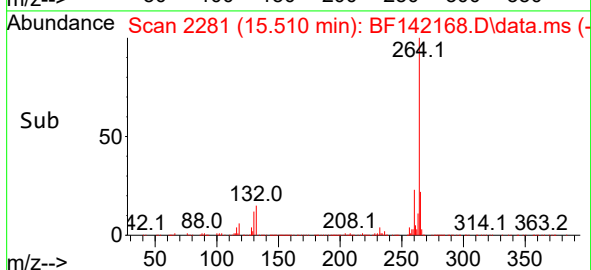
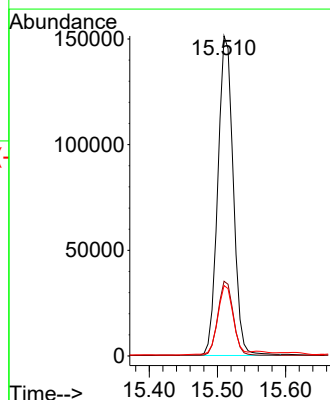
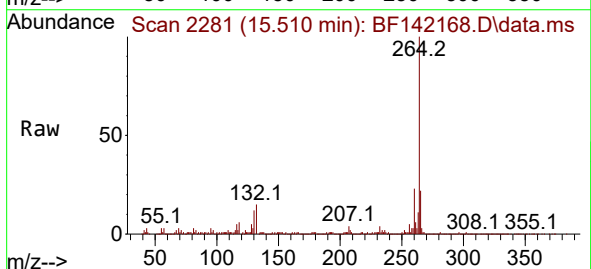
Tgt Ion:264 Resp: 238105

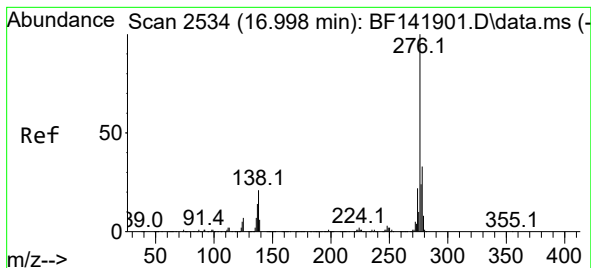
Ion Ratio Lower Upper

264 100

260 23.4 19.1 28.7

265 22.0 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 49.913 ng

RT: 17.010 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF142168.D

Acq: 28 Mar 2025 19:03

Instrument :

BNA_F

ClientSampleId :

72-11998MS

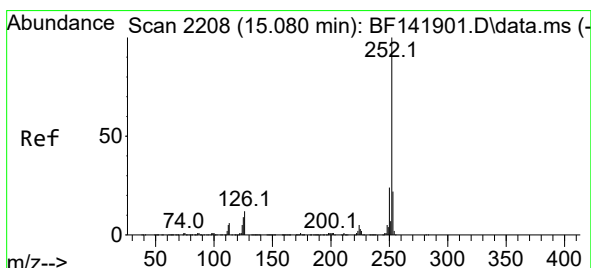
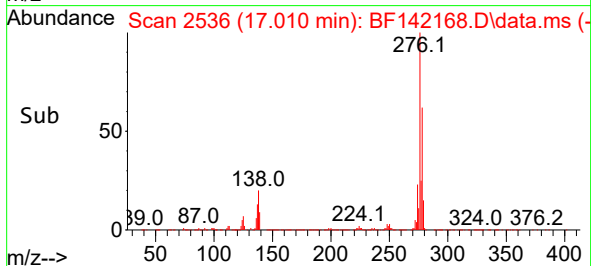
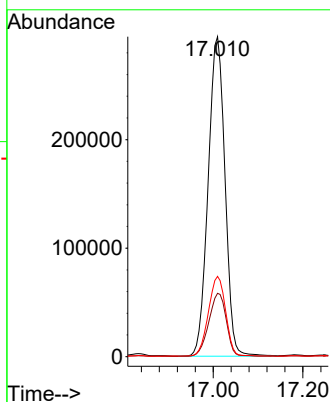
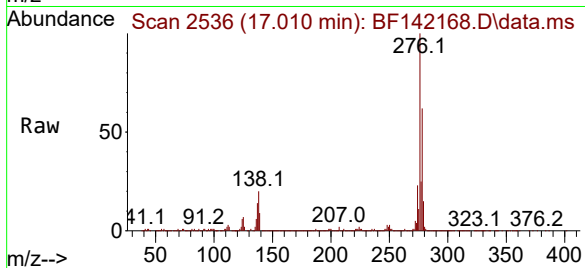
Tgt Ion:276 Resp: 768786

Ion Ratio Lower Upper

276 100

138 20.5 18.4 27.6

277 25.4 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 57.412 ng

RT: 15.080 min Scan# 2208

Delta R.T. 0.000 min

Lab File: BF142168.D

Acq: 28 Mar 2025 19:03

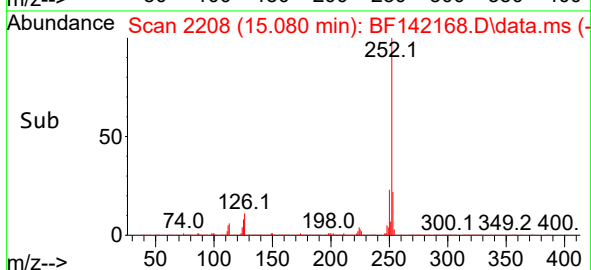
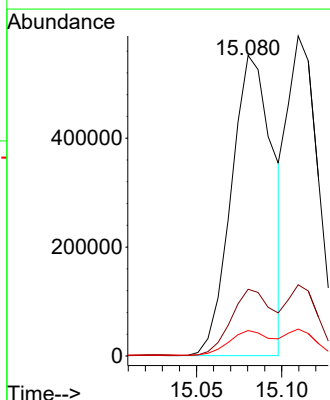
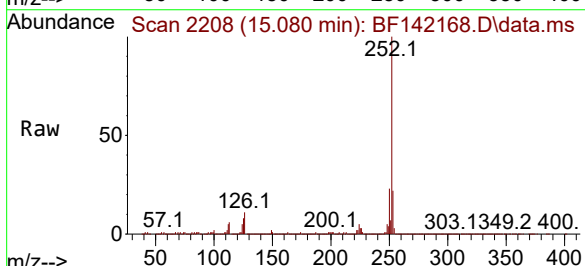
Tgt Ion:252 Resp: 936890

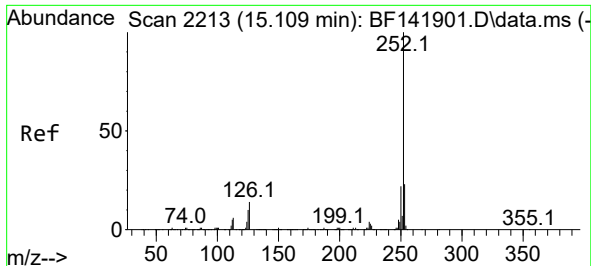
Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 8.5 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 52.781 ng

RT: 15.110 min Scan# 2213

Delta R.T. 0.000 min

Lab File: BF142168.D

Acq: 28 Mar 2025 19:03

Instrument :

BNA_F

ClientSampleId :

72-11998MS

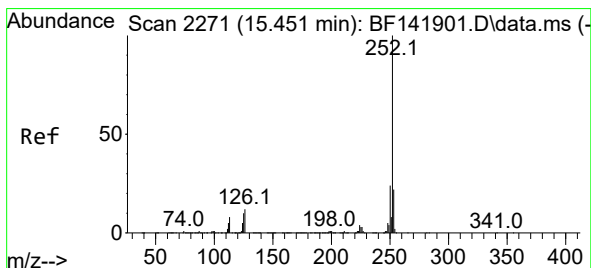
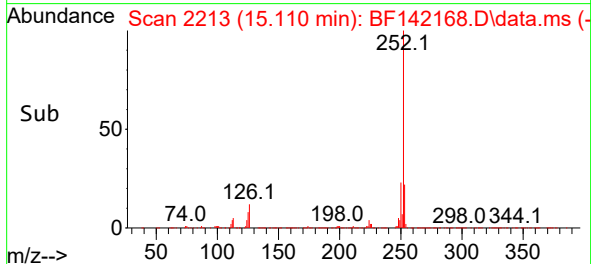
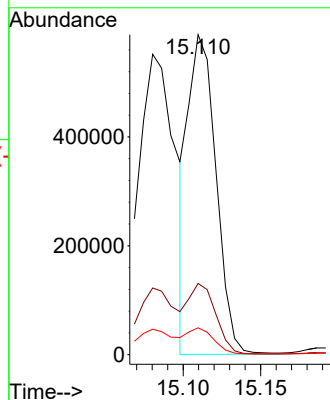
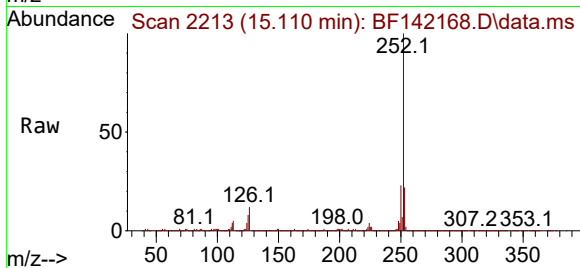
Tgt Ion:252 Resp: 737097

Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

125 8.4 7.2 10.8



#90

Benzo(a)pyrene

Concen: 58.454 ng

RT: 15.451 min Scan# 2271

Delta R.T. 0.000 min

Lab File: BF142168.D

Acq: 28 Mar 2025 19:03

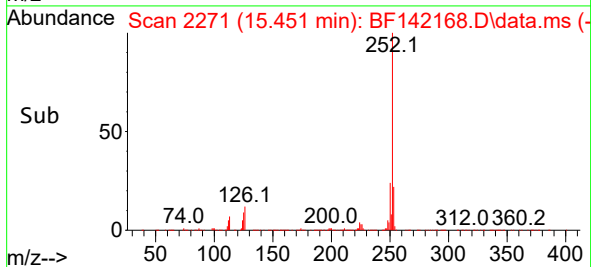
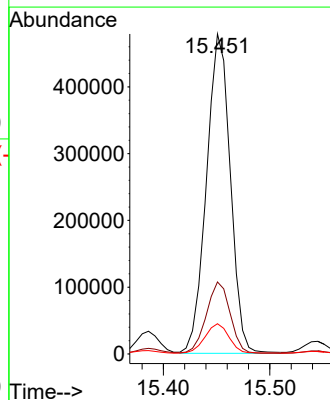
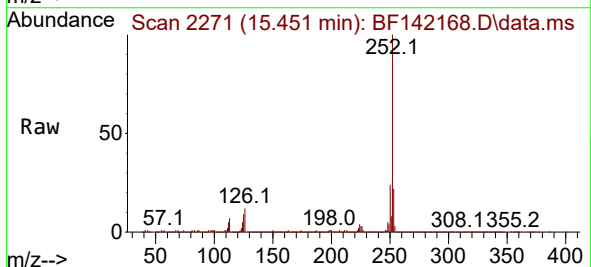
Tgt Ion:252 Resp: 746382

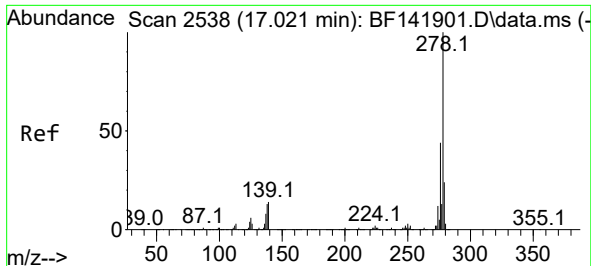
Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.0

125 9.4 7.8 11.8

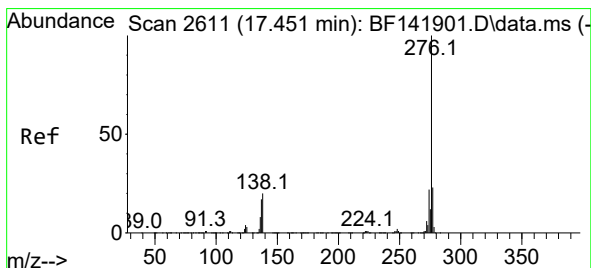
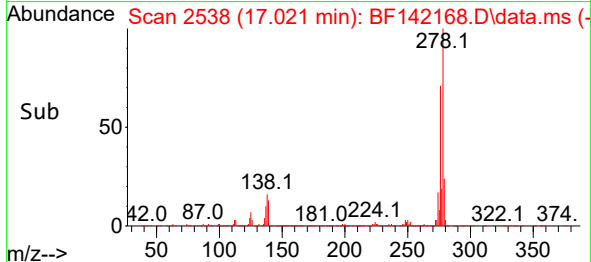
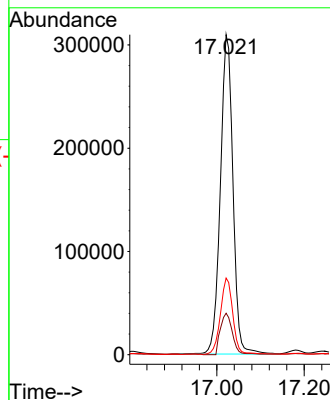
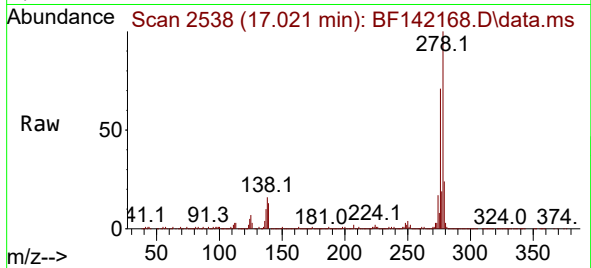




#91
 Dibenzo(a,h)anthracene
 Concen: 48.345 ng
 RT: 17.021 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF142168.D
 Acq: 28 Mar 2025 19:03

Instrument :
 BNA_F
 ClientSampleId :
 72-11998MS

Tgt Ion:278 Resp: 614383
 Ion Ratio Lower Upper
 278 100
 139 12.9 11.4 17.2
 279 23.9 18.8 28.2



#92
 Benzo(g,h,i)perylene
 Concen: 47.553 ng
 RT: 17.457 min Scan# 2612
 Delta R.T. 0.006 min
 Lab File: BF142168.D
 Acq: 28 Mar 2025 19:03

Tgt Ion:276 Resp: 597197
 Ion Ratio Lower Upper
 276 100
 277 23.4 18.7 28.1
 138 17.3 15.8 23.8

