

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070325\
 Data File : BF142989.D
 Acq On : 03 Jul 2025 10:55
 Operator : RC/JU
 Sample : PB168694BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168694BS

Quant Time: Jul 03 11:18:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	59015	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	219896	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	110519	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	169244	20.000	ng	0.00
76) Chrysene-d12	14.057	240	114618	20.000	ng	0.00
86) Perylene-d12	15.551	264	135774	20.000	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	423139	119.376	ng	0.01
7) Phenol-d6	6.510	99	490136	117.203	ng	0.00
23) Nitrobenzene-d5	7.439	82	307041	76.588	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	138939	122.164	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	671177	79.779	ng	-0.01
79) Terphenyl-d14	12.992	244	561947	67.742	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	2.704	88	47715	33.655	ng	99
3) Pyridine	3.469	79	132101	37.167	ng	98
4) n-Nitrosodimethylamine	3.422	42	73588	40.038	ng	98
6) Aniline	6.534	93	185465	33.330	ng	# 69
8) 2-Chlorophenol	6.663	128	165122	43.185	ng	97
9) Benzaldehyde	6.422	77	68565	27.635	ng	98
10) Phenol	6.522	94	193121	41.545	ng	89
11) bis(2-Chloroethyl)ether	6.610	93	139902	42.109	ng	97
12) 1,3-Dichlorobenzene	6.816	146	182422	42.659	ng	100
13) 1,4-Dichlorobenzene	6.892	146	185372	42.966	ng	100
14) 1,2-Dichlorobenzene	7.045	146	178992	43.740	ng	100
15) Benzyl Alcohol	7.016	79	130136	43.045	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.145	45	217628	40.771	ng	86
17) 2-Methylphenol	7.128	107	124493	42.964	ng	99
18) Hexachloroethane	7.386	117	66021	43.750	ng	95
19) n-Nitroso-di-n-propyla...	7.286	70	105313	43.299	ng	97
20) 3+4-Methylphenols	7.281	107	155922	43.158	ng	90
22) Acetophenone	7.281	105	218530	45.066	ng	99
24) Nitrobenzene	7.457	77	158249	43.613	ng	97
25) Isophorone	7.698	82	279888	43.521	ng	99
26) 2-Nitrophenol	7.775	139	90603	45.838	ng	100
27) 2,4-Dimethylphenol	7.810	122	147630	43.119	ng	98
28) bis(2-Chloroethoxy)met...	7.904	93	180163	44.065	ng	99
29) 2,4-Dichlorophenol	8.022	162	136936	44.110	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	152696	44.731	ng	99
31) Naphthalene	8.181	128	474067	44.044	ng	100
32) Benzoic acid	7.928	122	64375	36.890	ng	96
33) 4-Chloroaniline	8.228	127	129193	29.519	ng	99
34) Hexachlorobutadiene	8.292	225	95541	45.755	ng	99
35) Caprolactam	8.598	113	26172	31.948	ng	93
36) 4-Chloro-3-methylphenol	8.716	107	132566	42.967	ng	100
37) 2-Methylnaphthalene	8.875	142	295211	44.240	ng	100
38) 1-Methylnaphthalene	8.975	142	303523	43.939	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	151677	46.512	ng	99
41) Hexachlorocyclopentadiene	9.022	237	159259	86.059	ng	100
43) 2,4,6-Trichlorophenol	9.151	196	94222	44.340	ng	99

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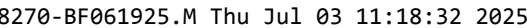
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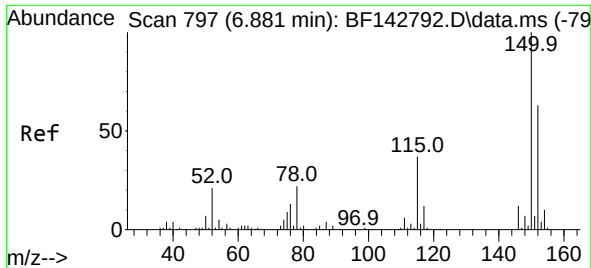
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	98787	44.162	ng	98
46) 1,1'-Biphenyl	9.339	154	397819	45.567	ng	100
47) 2-Chloronaphthalene	9.363	162	293722	44.833	ng	99
48) 2-Nitroaniline	9.463	65	79842	43.469	ng	95
49) Acenaphthylene	9.780	152	481682	44.661	ng	99
50) Dimethylphthalate	9.639	163	322225	45.042	ng	100
51) 2,6-Dinitrotoluene	9.704	165	70798	45.063	ng	95
52) Acenaphthene	9.951	154	280599	42.642	ng	100
53) 3-Nitroaniline	9.869	138	52239	30.200	ng	99
54) 2,4-Dinitrophenol	9.986	184	67238	85.472	ng	97
55) Dibenzofuran	10.122	168	419194	44.425	ng	100
56) 4-Nitrophenol	10.039	139	92964	78.504	ng	98
57) 2,4-Dinitrotoluene	10.110	165	93317	44.717	ng	96
58) Fluorene	10.469	166	326251	44.271	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	78199	43.370	ng	96
60) Diethylphthalate	10.333	149	314250	44.801	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	155928	44.341	ng	99
62) 4-Nitroaniline	10.486	138	68167	43.089	ng	98
63) Azobenzene	10.616	77	269537	42.994	ng	99
65) 4,6-Dinitro-2-methylph...	10.522	198	46445	45.370	ng	98
66) n-Nitrosodiphenylamine	10.574	169	276837	47.197	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	93186	48.379	ng	95
68) Hexachlorobenzene	11.016	284	101543	47.444	ng	99
69) Atrazine	11.104	200	79807	52.689	ng	99
70) Pentachlorophenol	11.216	266	91900	86.170	ng	100
71) Phenanthrene	11.433	178	419673	45.776	ng	100
72) Anthracene	11.486	178	434911	46.255	ng	100
73) Carbazole	11.639	167	373256	46.001	ng	99
74) Di-n-butylphthalate	11.963	149	438865	51.920	ng	100
75) Fluoranthene	12.621	202	399844	45.955	ng	100
77) Benzidine	12.745	184	157448	36.562	ng	99
78) Pyrene	12.851	202	401315	37.354	ng	99
80) Butylbenzylphthalate	13.463	149	165448	53.089	ng	98
81) Benzo(a)anthracene	14.045	228	355412	45.965	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	75988	30.298	ng	98
83) Chrysene	14.080	228	318351	46.140	ng	99
84) Bis(2-ethylhexyl)phtha...	14.021	149	245209	54.687	ng	99
85) Di-n-octyl phthalate	14.639	149	437495	51.745	ng	98
87) Indeno(1,2,3-cd)pyrene	17.074	276	430318	41.610	ng	98
88) Benzo(b)fluoranthene	15.109	252	401978	51.165	ng	100
89) Benzo(k)fluoranthene	15.139	252	319565	43.476	ng	100
90) Benzo(a)pyrene	15.486	252	354840	46.752	ng	99
91) Dibenzo(a,h)anthracene	17.086	278	352639	41.967	ng	98
92) Benzo(g,h,i)perylene	17.533	276	340697	40.661	ng	98

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

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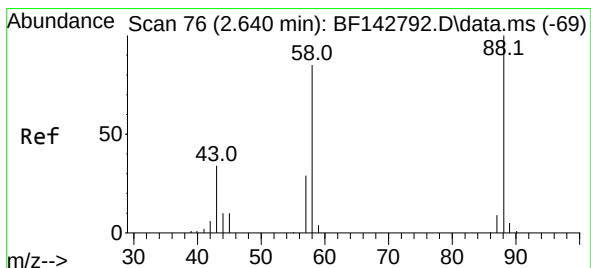
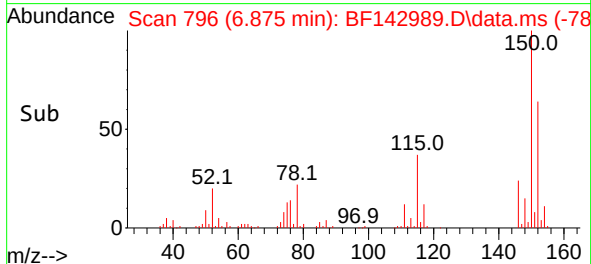
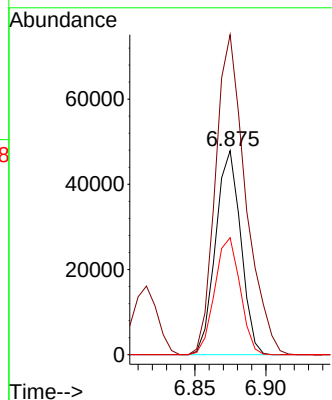
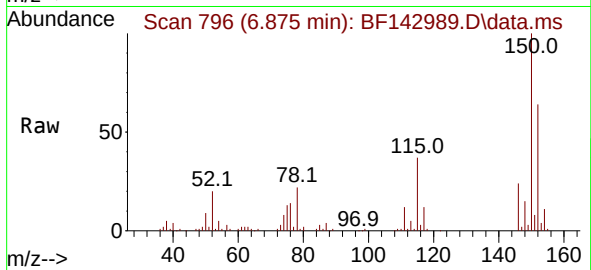




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 79
 Delta R.T. -0.006 min
 Lab File: BF142989.D
 Acq: 03 Jul 2025 10:55

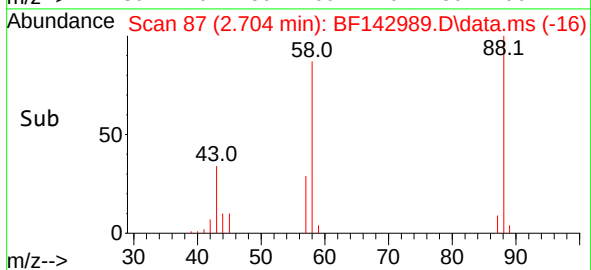
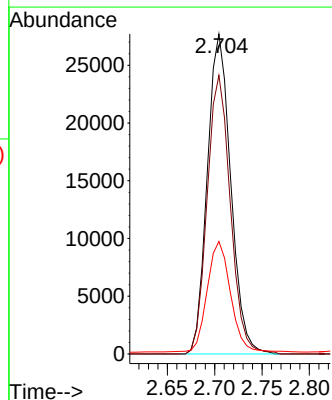
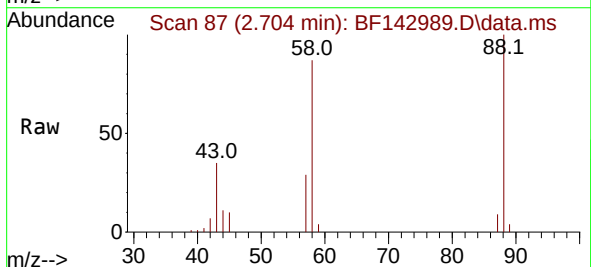
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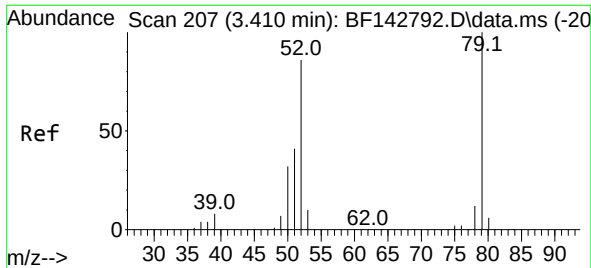
Tgt Ion:152 Resp: 59015
 Ion Ratio Lower Upper
 152 100
 150 156.8 127.2 190.8
 115 57.3 46.6 69.8



#2
 1,4-Dioxane
 Concen: 33.655 ng
 RT: 2.704 min Scan# 87
 Delta R.T. 0.065 min
 Lab File: BF142989.D
 Acq: 03 Jul 2025 10:55

Tgt Ion: 88 Resp: 47715
 Ion Ratio Lower Upper
 88 100
 58 86.2 69.1 103.7
 43 35.1 27.4 41.2

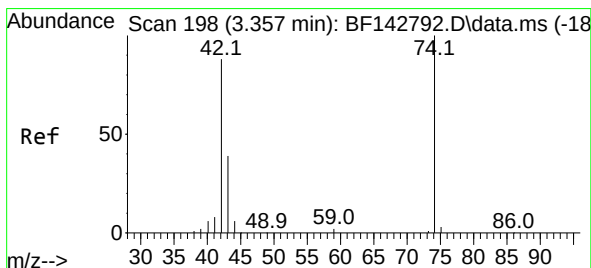
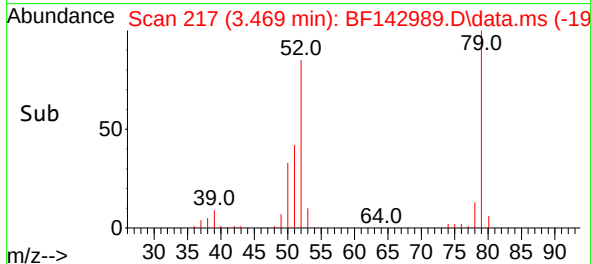
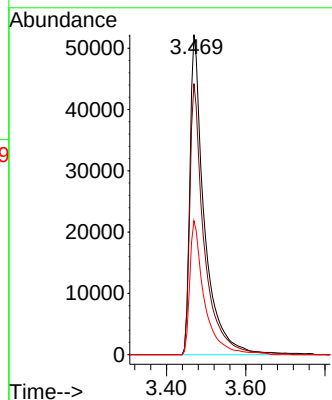
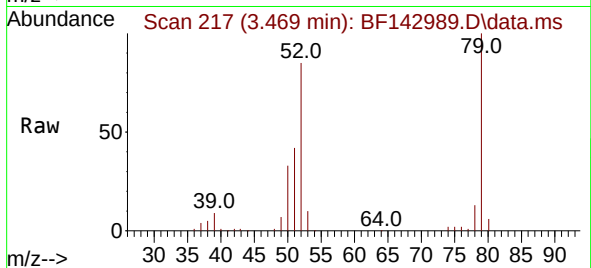




#3
Pyridine
Concen: 37.167 ng
RT: 3.469 min Scan# 217
Delta R.T. 0.059 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

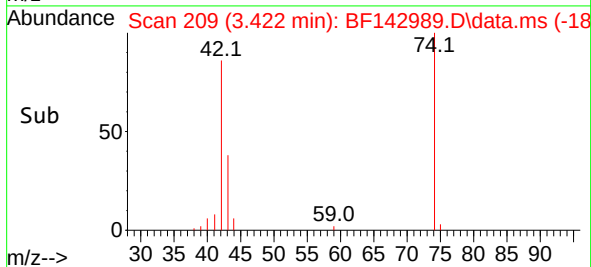
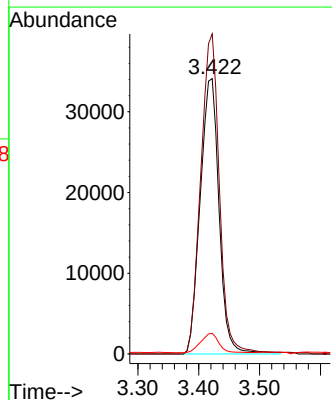
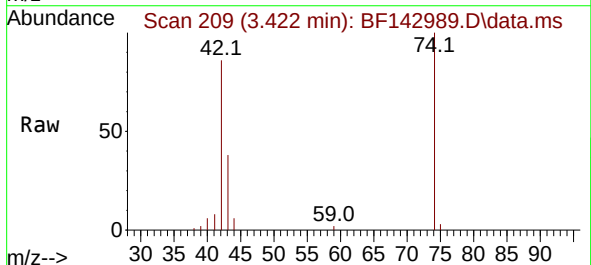
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ClientSampleId :
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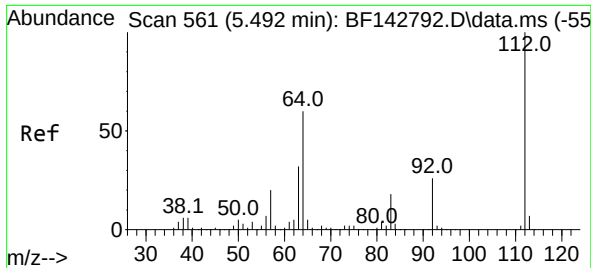
Tgt Ion: 79 Resp: 132101
Ion Ratio Lower Upper
79 100
52 84.7 69.2 103.8
51 41.8 33.2 49.8



#4
n-Nitrosodimethylamine
Concen: 40.038 ng
RT: 3.422 min Scan# 209
Delta R.T. 0.065 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

Tgt Ion: 42 Resp: 73588
Ion Ratio Lower Upper
42 100
74 116.2 90.9 136.3
44 7.5 5.8 8.6

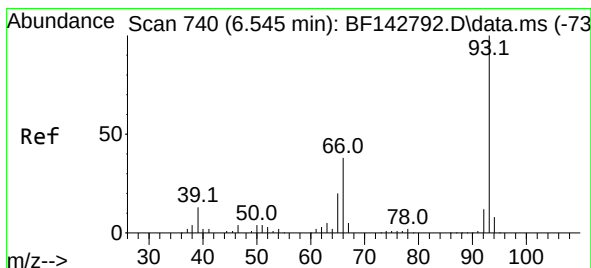
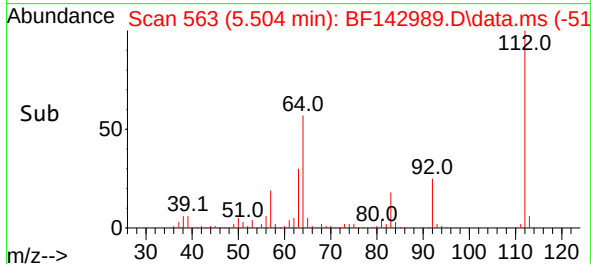
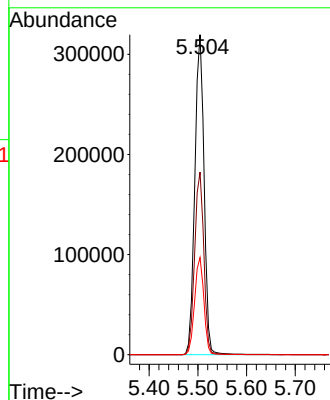
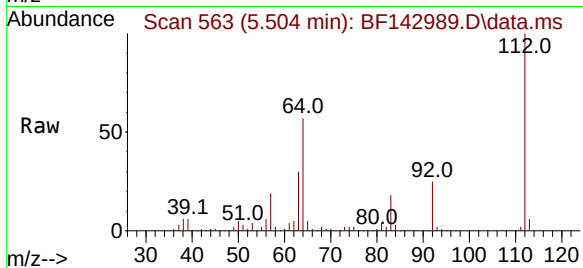




#5
2-Fluorophenol
Concen: 119.376 ng
RT: 5.504 min Scan# 50
Delta R.T. 0.012 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

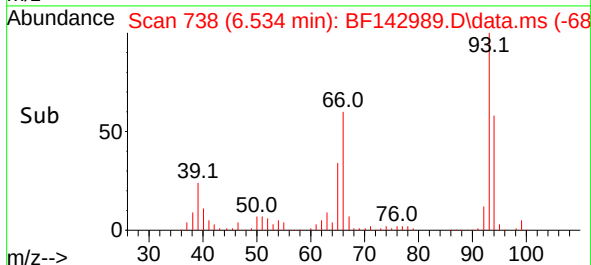
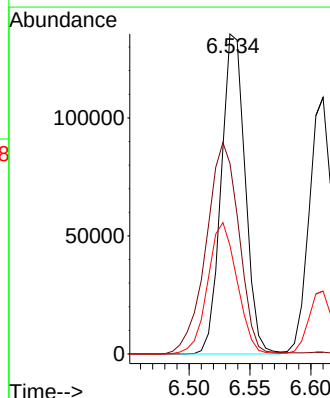
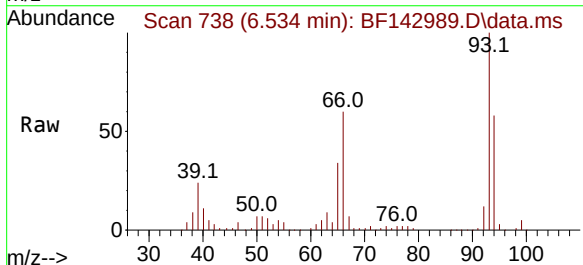
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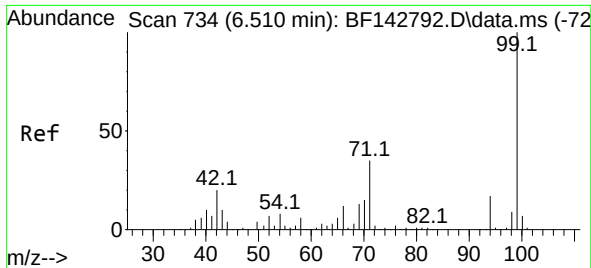
Tgt Ion:112 Resp: 423139
Ion Ratio Lower Upper
112 100
64 57.0 48.2 72.2
63 30.3 25.7 38.5



#6
Aniline
Concen: 33.330 ng
RT: 6.534 min Scan# 738
Delta R.T. -0.012 min
Lab File: BF142989.D
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Tgt Ion: 93 Resp: 185465
Ion Ratio Lower Upper
93 100
66 59.5 31.8 47.6#
65 33.9 16.2 24.2#

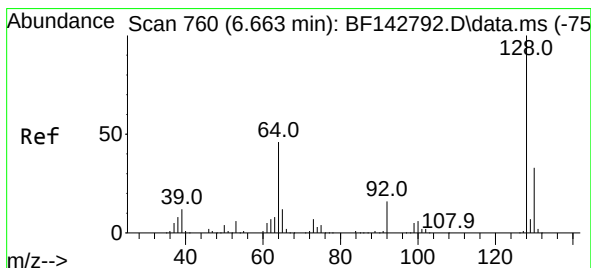
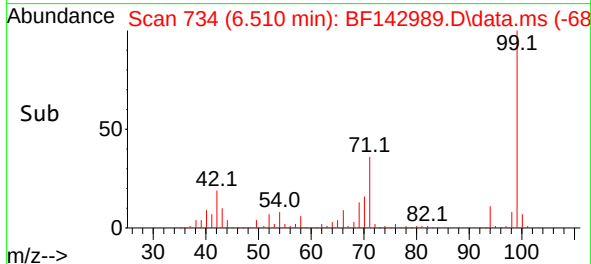
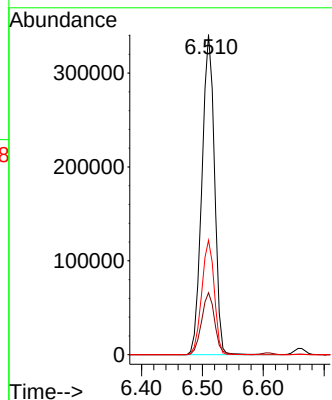
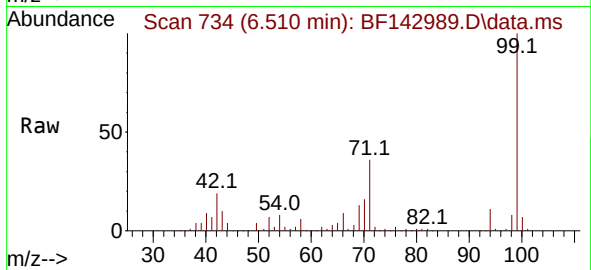




#7
Phenol-d6
Concen: 117.203 ng
RT: 6.510 min Scan# 710
Delta R.T. 0.000 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

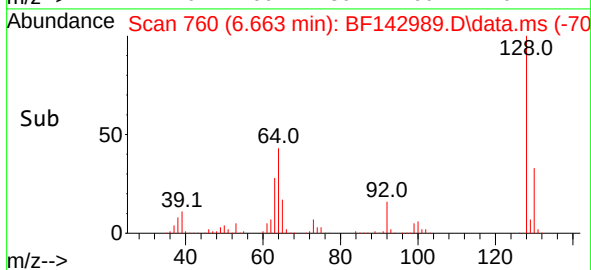
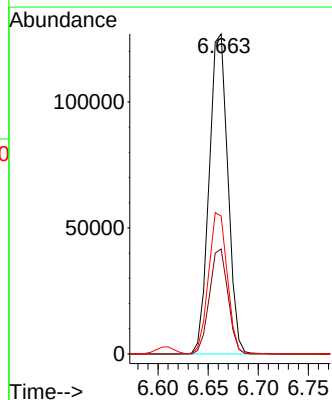
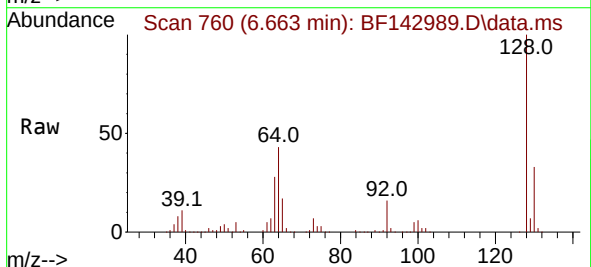
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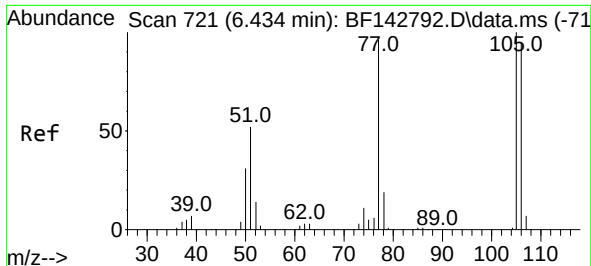
Tgt Ion: 99 Resp: 490136
Ion Ratio Lower Upper
99 100
42 19.3 15.9 23.9
71 35.8 27.8 41.8



#8
2-Chlorophenol
Concen: 43.185 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

Tgt Ion:128 Resp: 165122
Ion Ratio Lower Upper
128 100
130 32.8 12.7 52.7
64 43.1 26.5 66.5

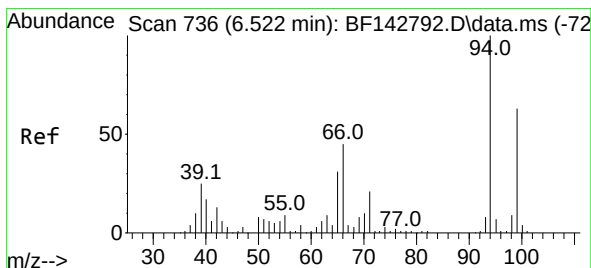
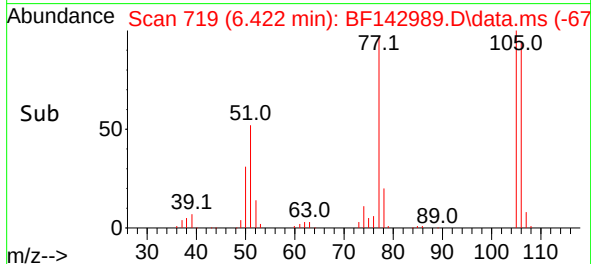
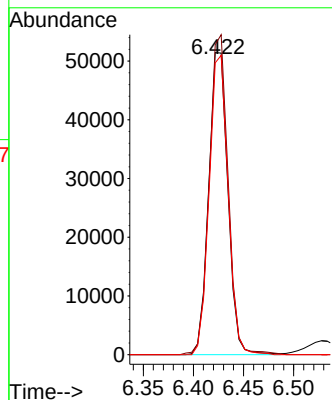
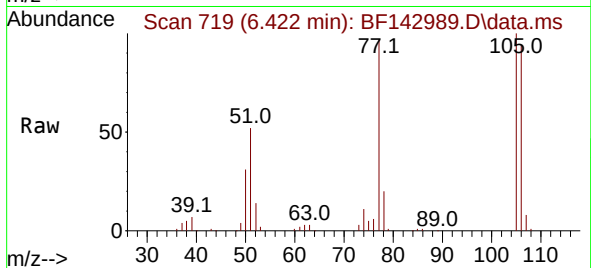




#9
Benzaldehyde
Concen: 27.635 ng
RT: 6.422 min Scan# 719
Delta R.T. -0.012 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

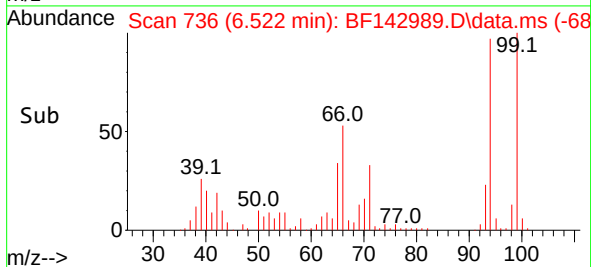
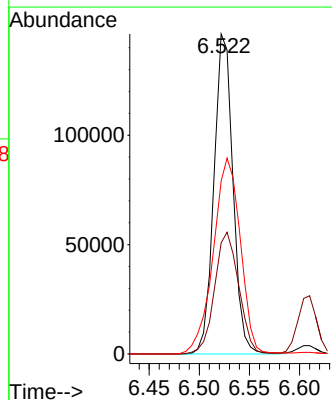
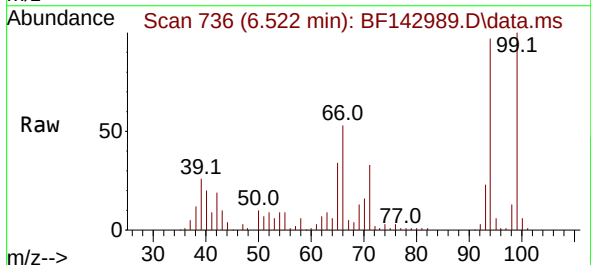
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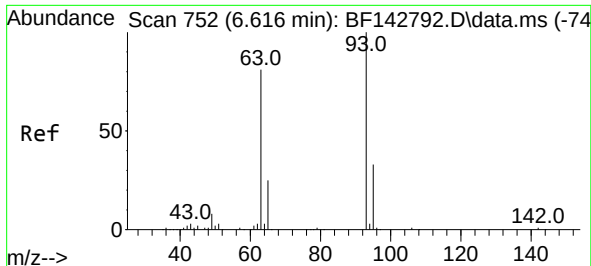
Tgt Ion:	77	Resp:	68565
Ion Ratio	Lower	Upper	
77	100		
105	102.7	83.8	123.8
106	96.7	78.7	118.7



#10
Phenol
Concen: 41.545 ng
RT: 6.522 min Scan# 736
Delta R.T. 0.000 min
Lab File: BF142989.D
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Tgt Ion:	94	Resp:	193121
Ion Ratio	Lower	Upper	
94	100		
65	34.7	11.3	51.3
66	54.0	24.9	64.9

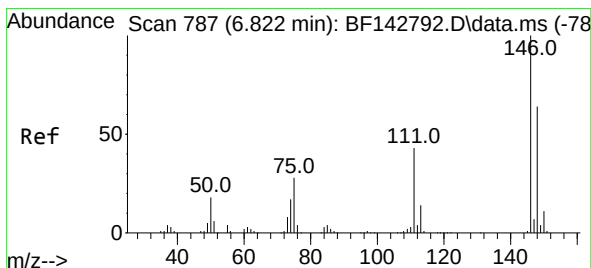
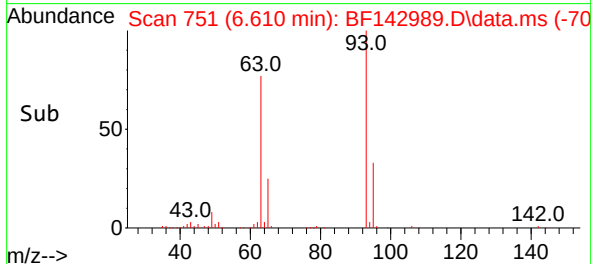
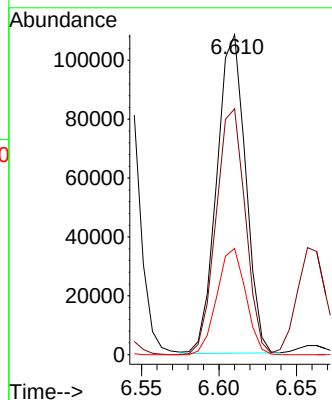
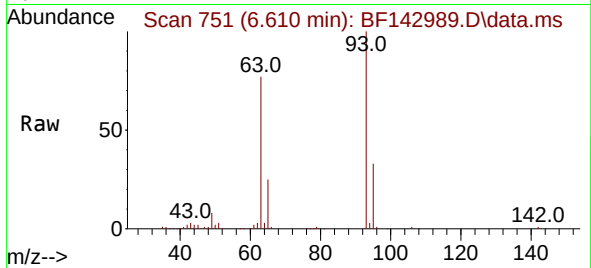




#11
bis(2-Chloroethyl)ether
Concen: 42.109 ng
RT: 6.610 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

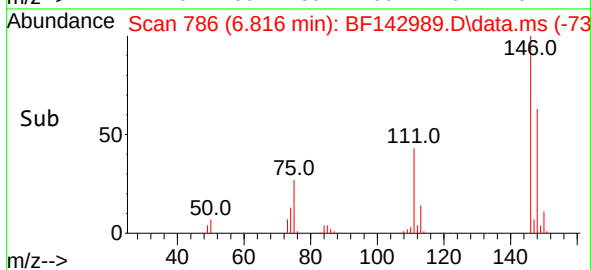
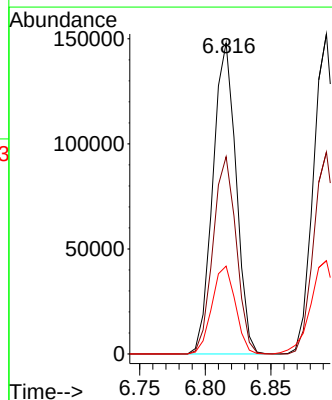
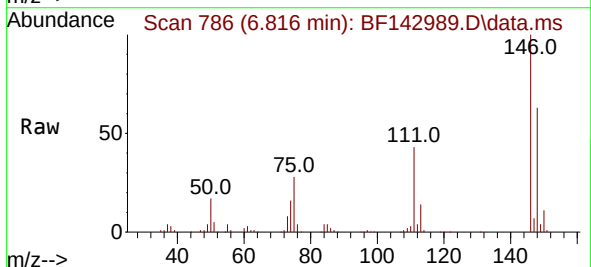
Instrument :
BNA_F
ClientSampleId :
PB168694BS

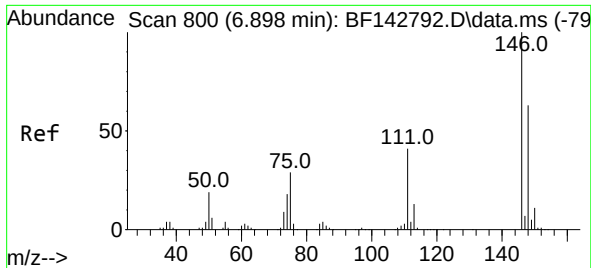
Tgt Ion: 93 Resp: 139902
Ion Ratio Lower Upper
93 100
63 76.8 60.3 100.3
95 33.2 12.5 52.5



#12
1,3-Dichlorobenzene
Concen: 42.659 ng
RT: 6.816 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

Tgt Ion:146 Resp: 182422
Ion Ratio Lower Upper
146 100
148 63.4 51.1 76.7
75 28.3 22.7 34.1

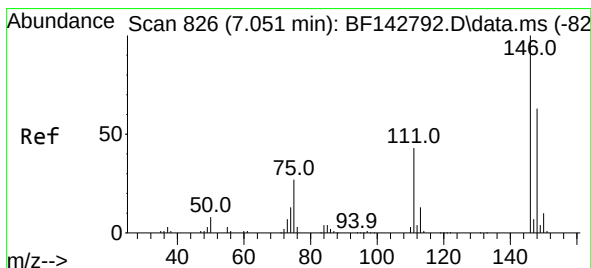
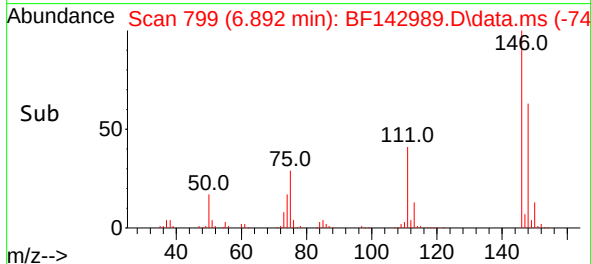
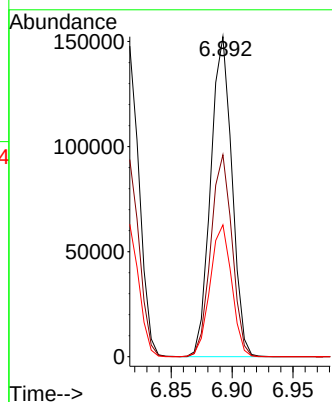
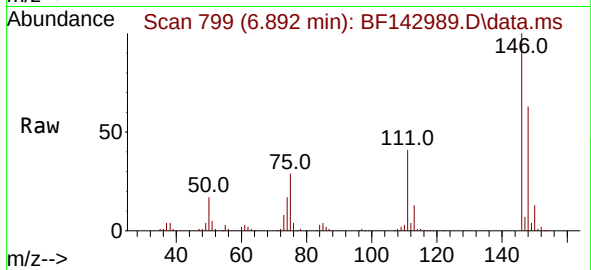




#13
1,4-Dichlorobenzene
Concen: 42.966 ng
RT: 6.892 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

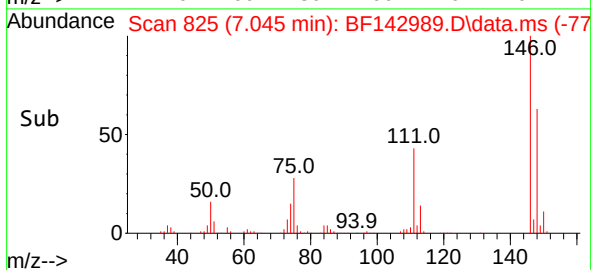
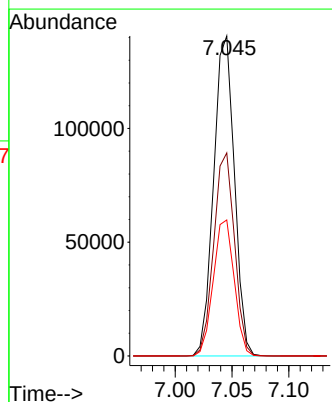
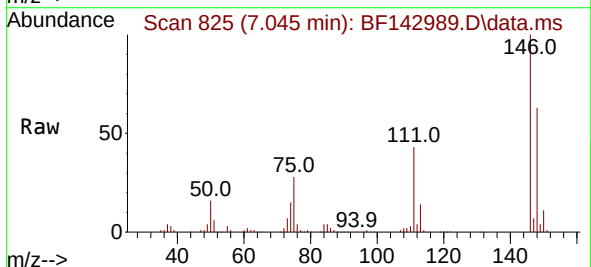
Instrument :
BNA_F
ClientSampleId :
PB168694BS

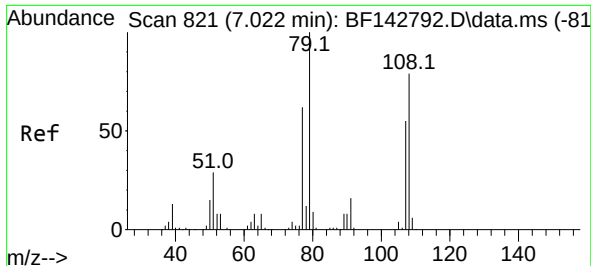
Tgt Ion:146 Resp: 185372
Ion Ratio Lower Upper
146 100
148 63.1 50.2 75.2
111 41.2 33.2 49.8



#14
1,2-Dichlorobenzene
Concen: 43.740 ng
RT: 7.045 min Scan# 825
Delta R.T. -0.006 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

Tgt Ion:146 Resp: 178992
Ion Ratio Lower Upper
146 100
148 63.4 50.4 75.6
111 42.5 34.1 51.1



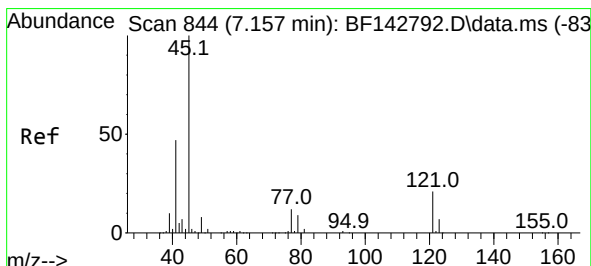
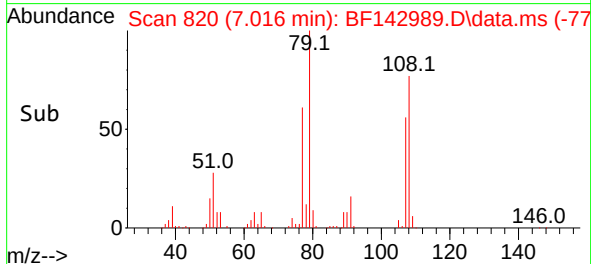
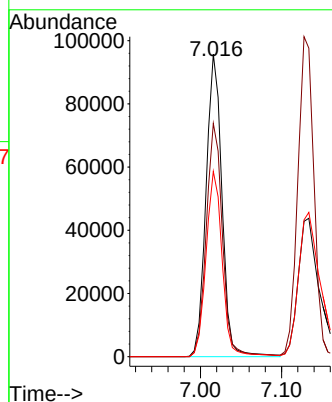
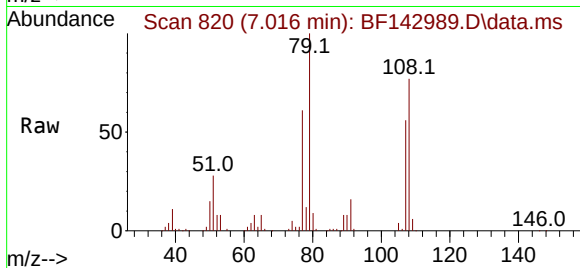


#15
Benzyl Alcohol
Concen: 43.045 ng
RT: 7.016 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

Instrument :
BNA_F
ClientSampleId :
PB168694BS

Tgt Ion: 79 Resp: 130136

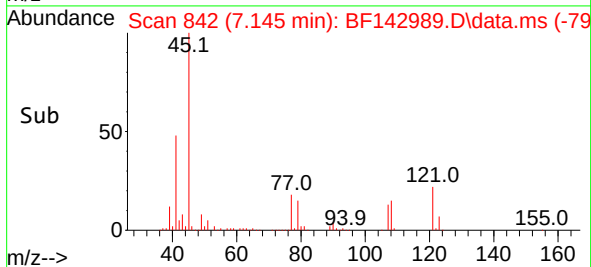
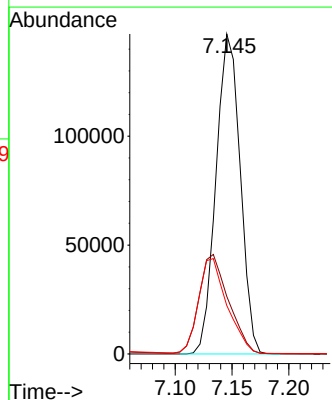
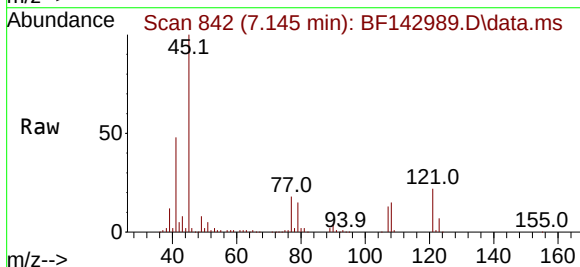
Ion	Ratio	Lower	Upper
79	100		
108	77.1	63.4	95.0
77	61.2	49.5	74.3

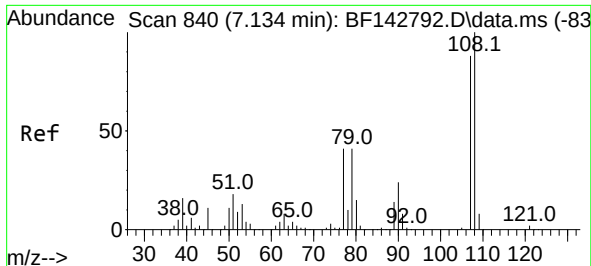


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.771 ng
RT: 7.145 min Scan# 842
Delta R.T. -0.012 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

Tgt Ion: 45 Resp: 217628

Ion	Ratio	Lower	Upper
45	100		
77	18.0	0.0	32.8
79	15.2	0.0	29.8

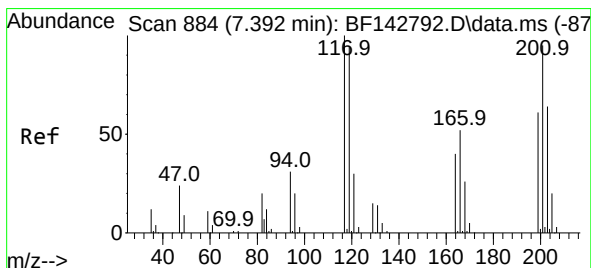
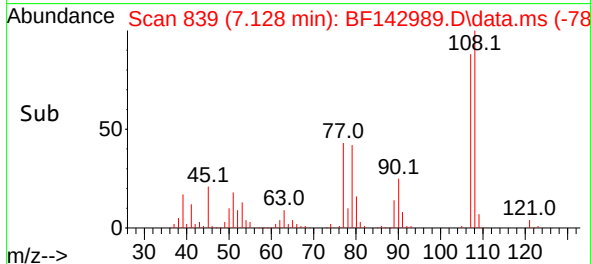
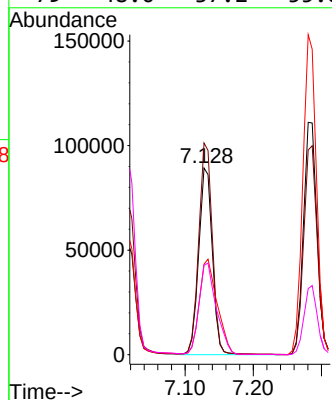
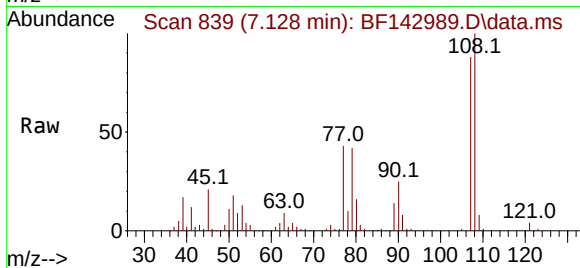




#17
2-Methylphenol
Concen: 42.964 ng
RT: 7.128 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

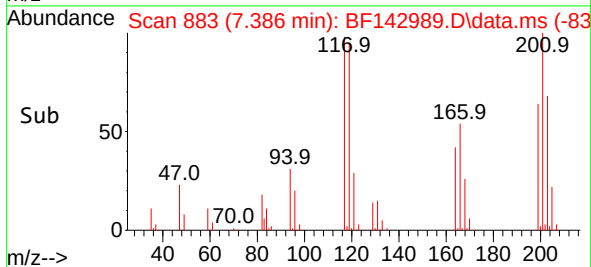
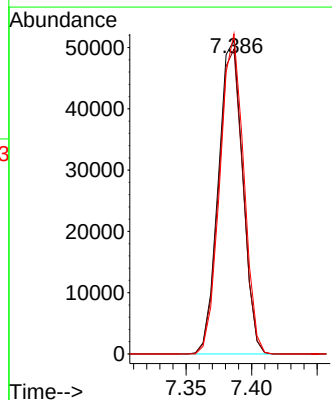
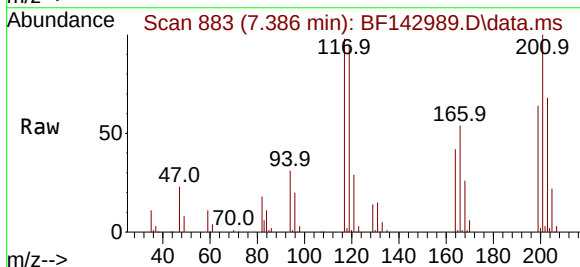
Instrument :
BNA_F
ClientSampleId :
PB168694BS

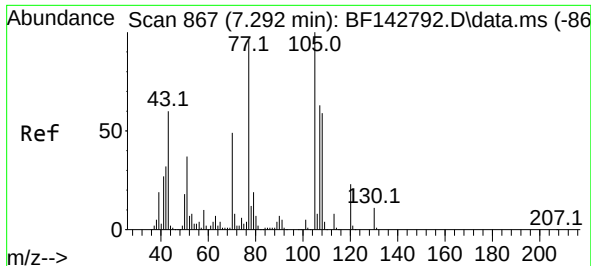
Tgt Ion:	107	Resp:	124493
Ion	Ratio	Lower	Upper
107	100		
108	113.4	90.9	136.3
77	48.5	37.3	55.9
79	48.0	37.2	55.8



#18
Hexachloroethane
Concen: 43.750 ng
RT: 7.386 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

Tgt Ion:	117	Resp:	66021
Ion	Ratio	Lower	Upper
117	100		
119	97.3	75.4	113.0
201	102.1	75.9	113.9



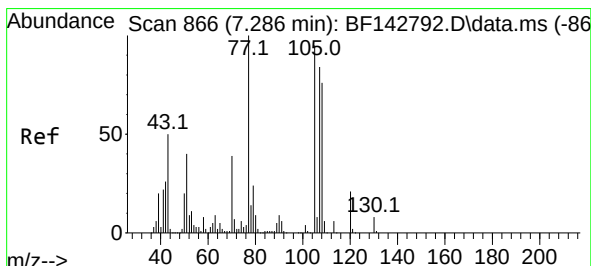
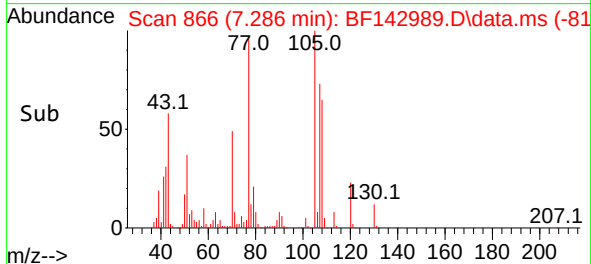
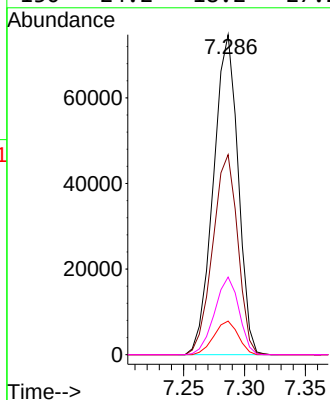
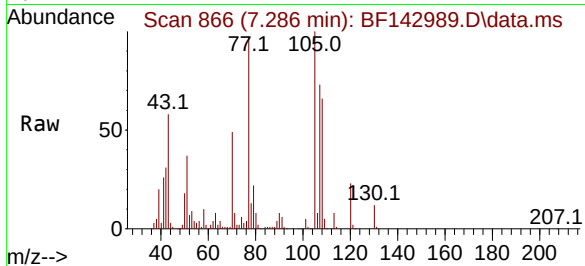


#19
n-Nitroso-di-n-propylamine
Concen: 43.299 ng
RT: 7.286 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

Instrument :
BNA_F
ClientSampleId :
PB168694BS

Tgt Ion: 70 Resp: 105313

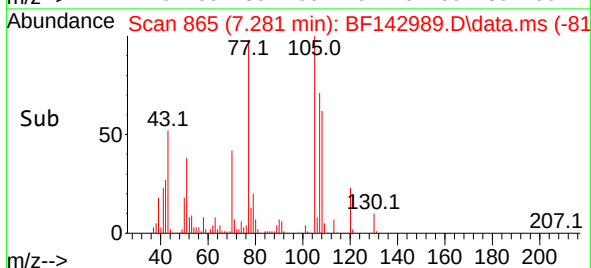
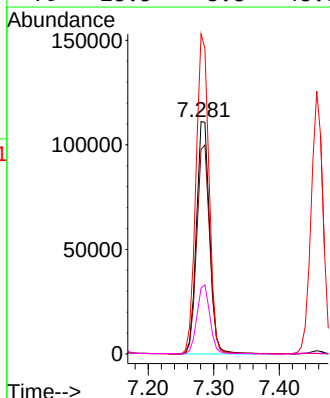
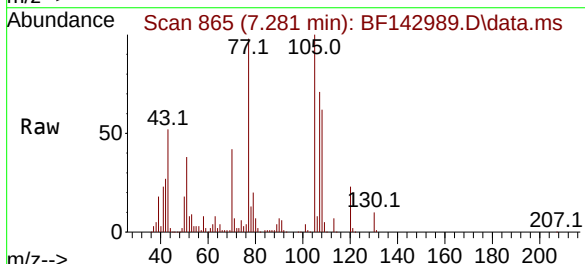
Ion	Ratio	Lower	Upper
70	100		
42	62.5	52.1	78.1
101	10.5	8.2	12.2
130	24.2	18.2	27.2

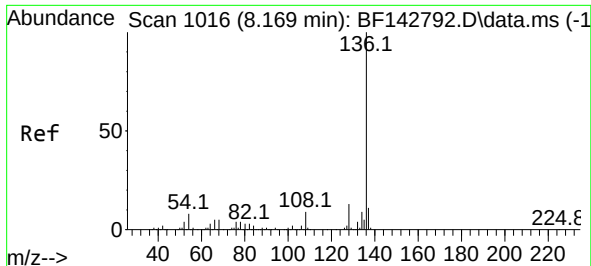


#20
3+4-Methylphenols
Concen: 43.158 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.006 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

Tgt Ion: 107 Resp: 155922

Ion	Ratio	Lower	Upper
107	100		
108	88.1	70.0	110.0
77	137.8	98.5	138.5
79	28.5	8.8	48.8

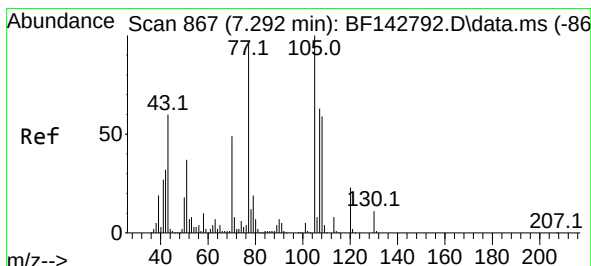
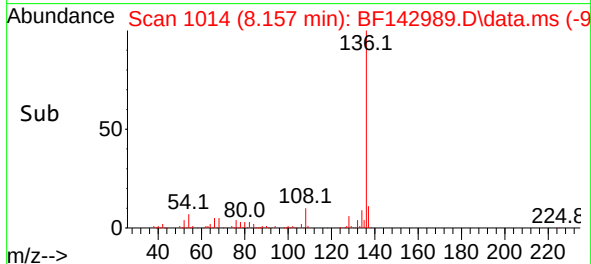
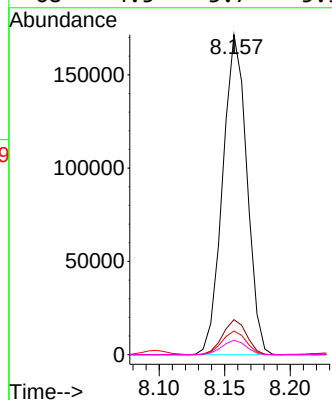
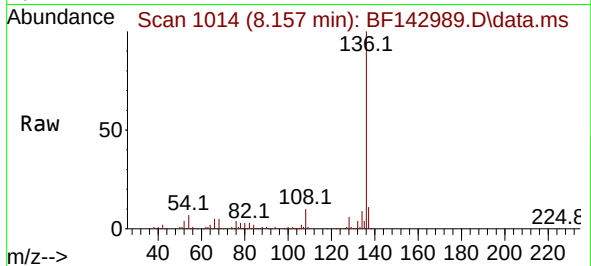




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

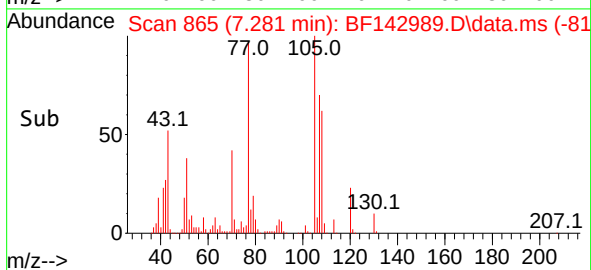
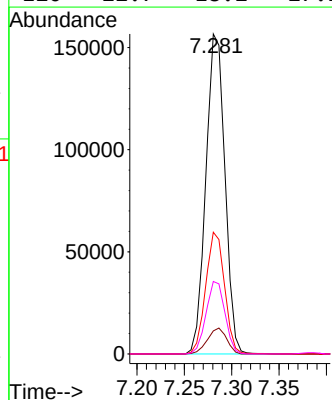
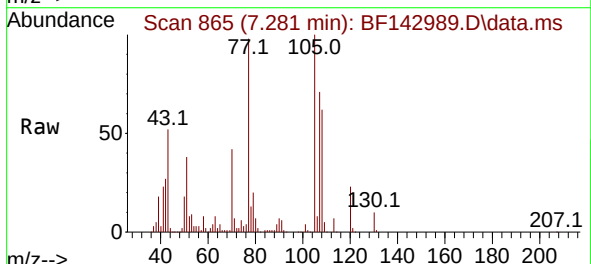
Instrument :
BNA_F
ClientSampleId :
PB168694BS

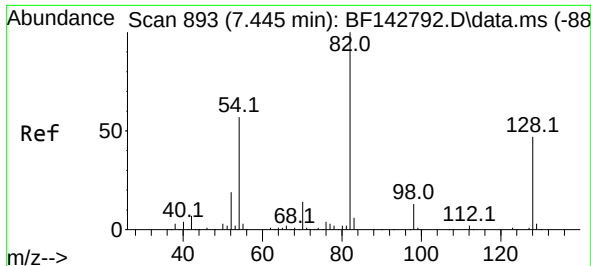
Tgt Ion:	136	Resp:	219896
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.4	12.6
54	7.4	6.3	9.5
68	4.5	3.7	5.5



#22
Acetophenone
Concen: 45.066 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.012 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

Tgt Ion:	105	Resp:	218530
Ion Ratio	Lower	Upper	
105	100		
71	7.2	6.5	9.7
51	38.1	29.8	44.8
120	22.7	18.2	27.2





#23

Nitrobenzene-d5

Concen: 76.588 ng

RT: 7.439 min Scan# 892

Delta R.T. -0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

PB168694BS

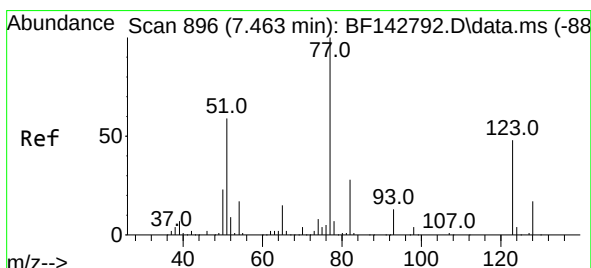
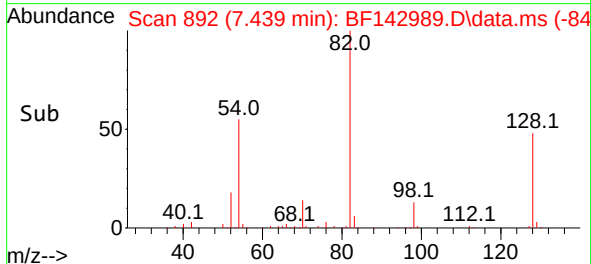
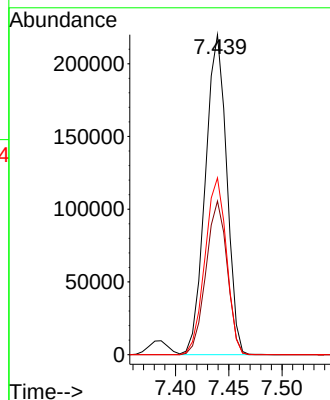
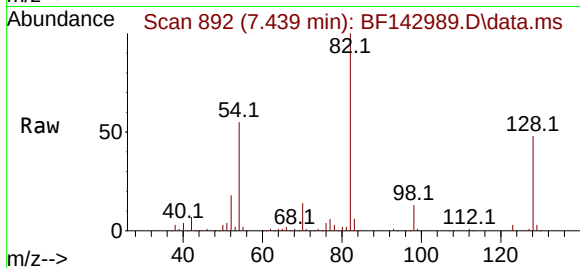
Tgt Ion: 82 Resp: 307041

Ion Ratio Lower Upper

82 100

128 48.0 37.7 56.5

54 55.3 45.7 68.5



#24

Nitrobenzene

Concen: 43.613 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

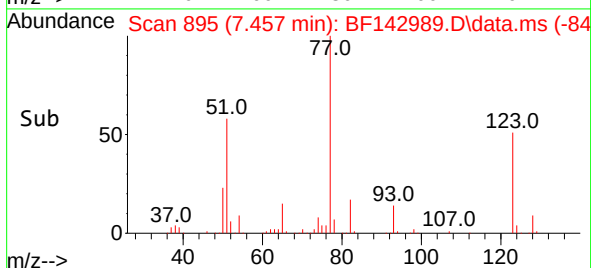
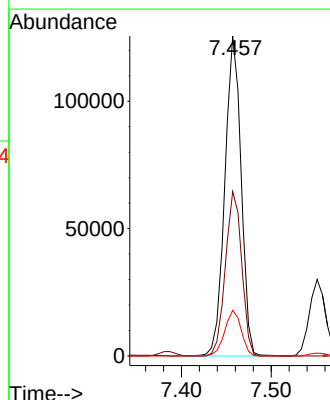
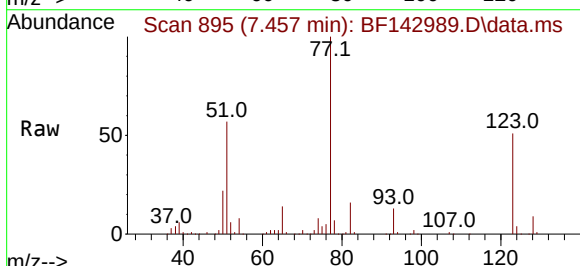
Tgt Ion: 77 Resp: 158249

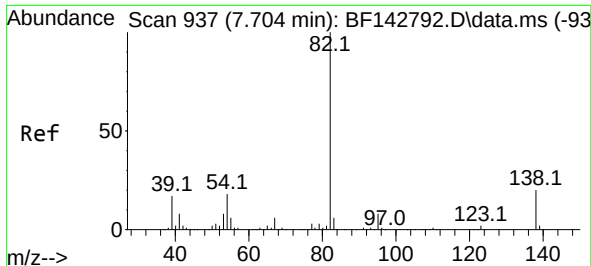
Ion Ratio Lower Upper

77 100

123 51.4 39.2 58.8

65 14.3 11.6 17.4

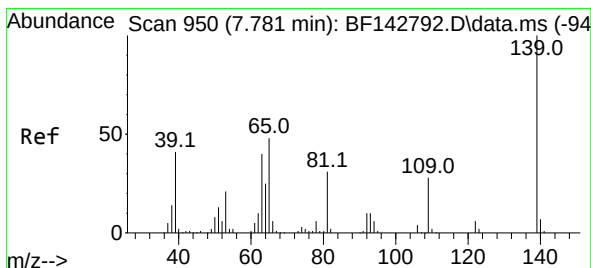
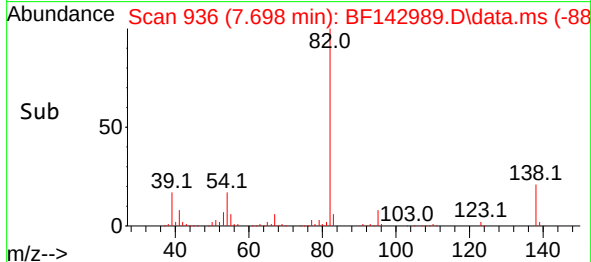
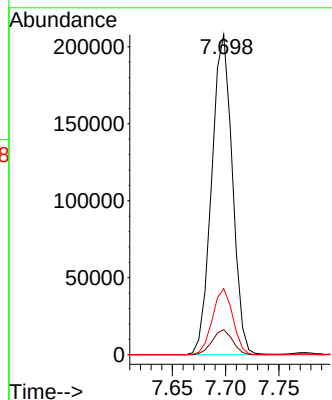
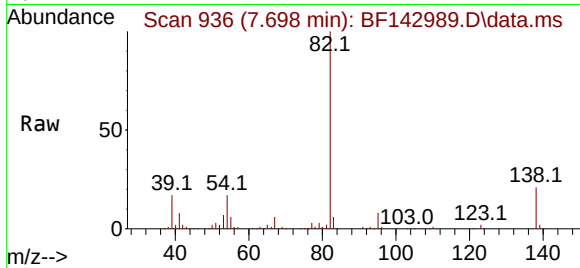




#25
Isophorone
Concen: 43.521 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

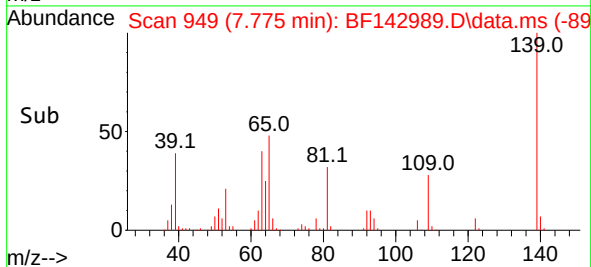
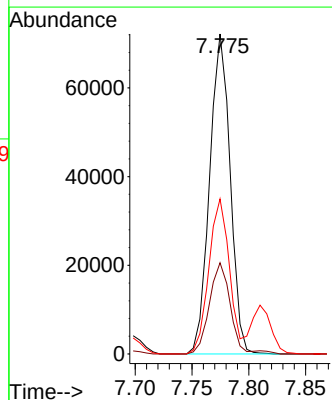
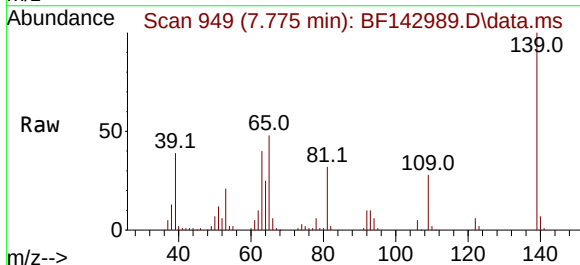
Instrument :
BNA_F
ClientSampleId :
PB168694BS

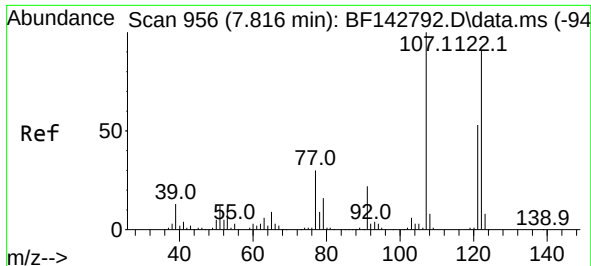
Tgt Ion: 82 Resp: 279888
Ion Ratio Lower Upper
82 100
95 7.8 6.2 9.2
138 20.7 16.2 24.4



#26
2-Nitrophenol
Concen: 45.838 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.006 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

Tgt Ion:139 Resp: 90603
Ion Ratio Lower Upper
139 100
109 28.5 22.7 34.1
65 48.5 38.6 58.0





#27

2,4-Dimethylphenol

Concen: 43.119 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

PB168694BS

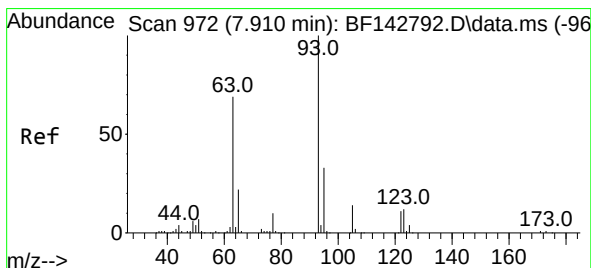
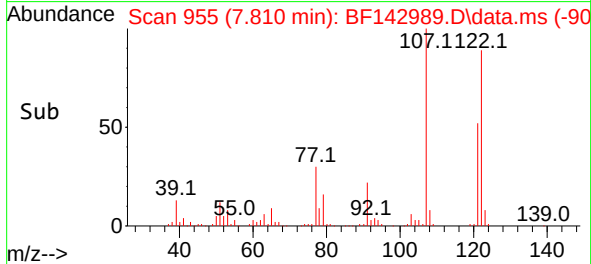
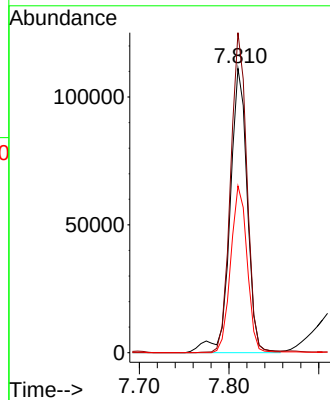
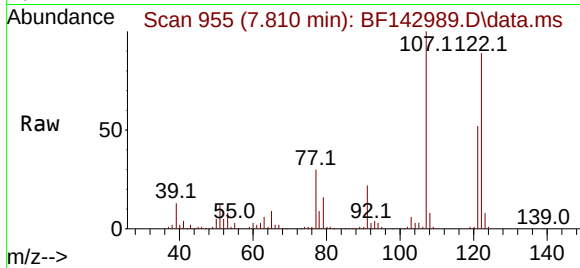
Tgt Ion:122 Resp: 147630

Ion Ratio Lower Upper

122 100

107 112.5 88.0 132.0

121 58.6 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 44.065 ng

RT: 7.904 min Scan# 971

Delta R.T. -0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

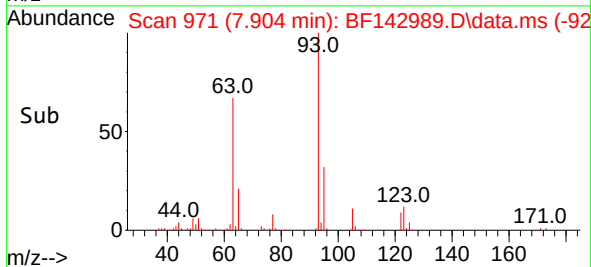
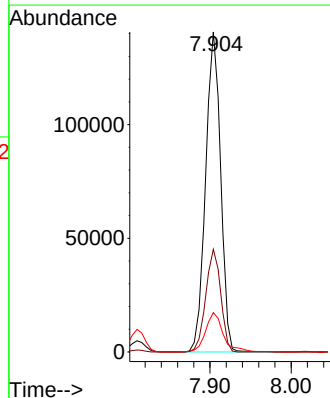
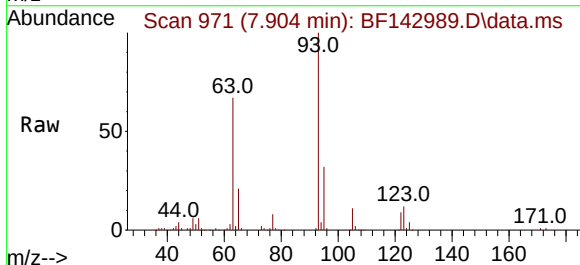
Tgt Ion: 93 Resp: 180163

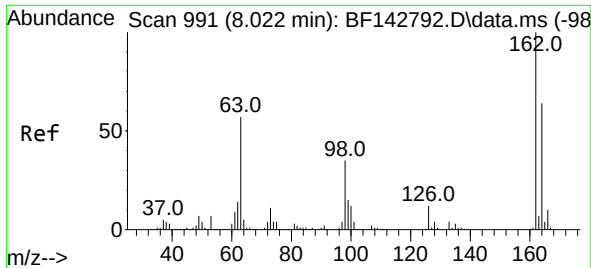
Ion Ratio Lower Upper

93 100

95 32.1 26.2 39.2

123 12.3 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 44.110 ng

RT: 8.022 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

PB168694BS

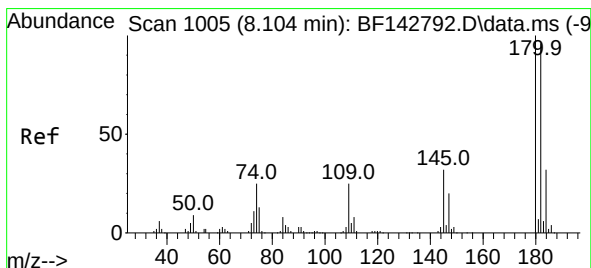
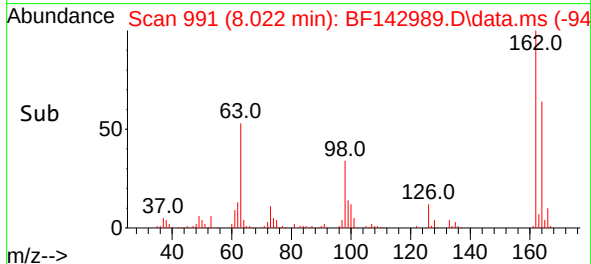
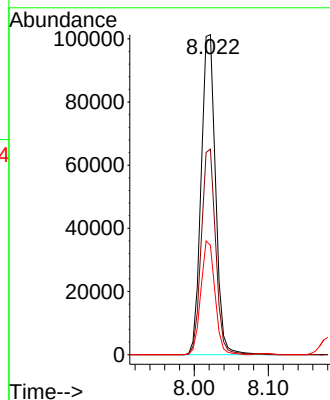
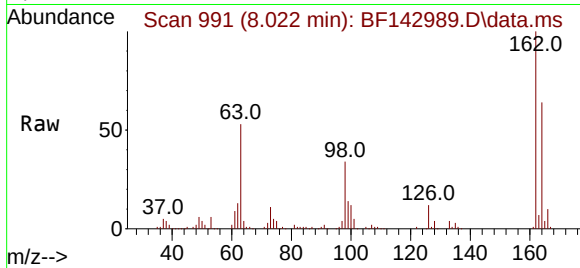
Tgt Ion:162 Resp: 136936

Ion Ratio Lower Upper

162 100

164 64.3 44.0 84.0

98 34.2 15.4 55.4



#30

1,2,4-Trichlorobenzene

Concen: 44.731 ng

RT: 8.098 min Scan# 1004

Delta R.T. -0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

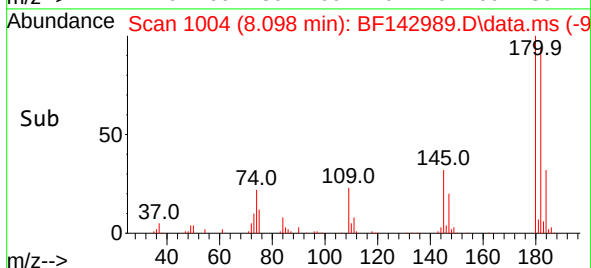
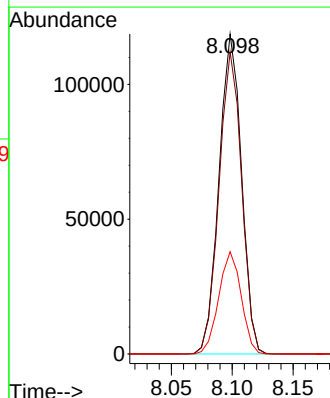
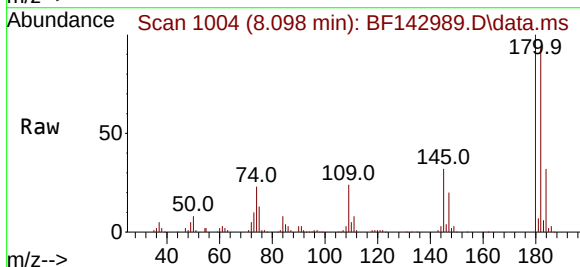
Tgt Ion:180 Resp: 152696

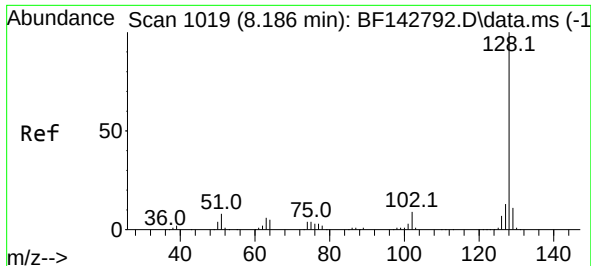
Ion Ratio Lower Upper

180 100

182 94.4 76.4 114.6

145 32.0 25.8 38.8

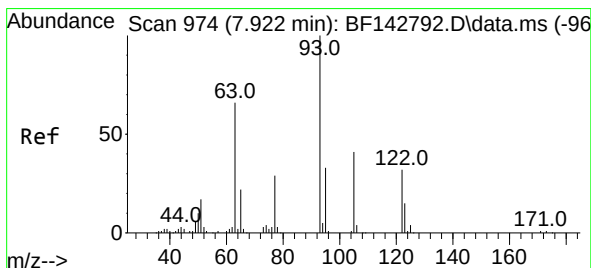
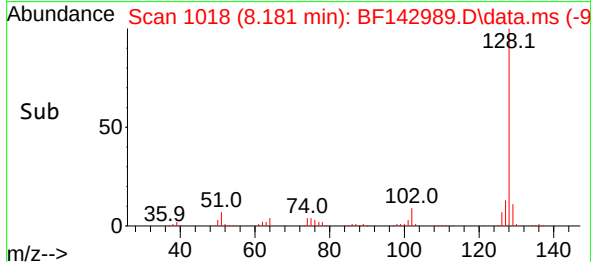
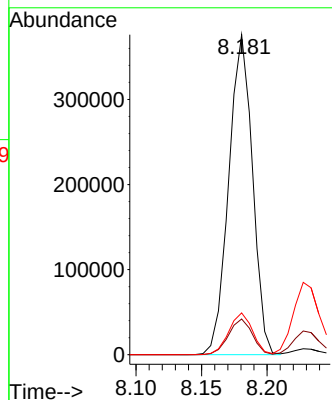
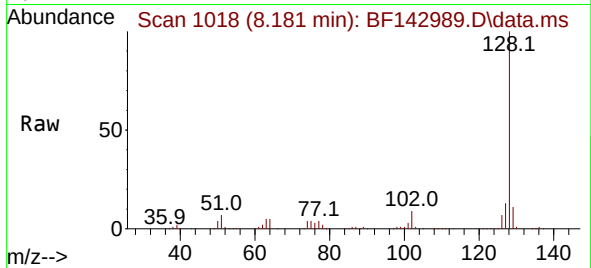




#31
Naphthalene
Concen: 44.044 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

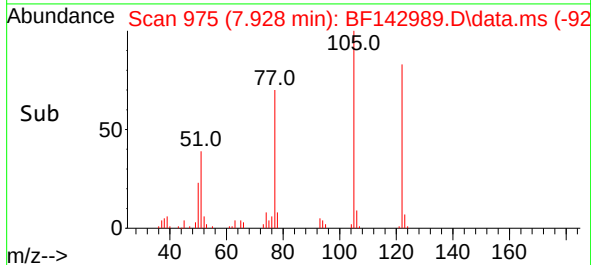
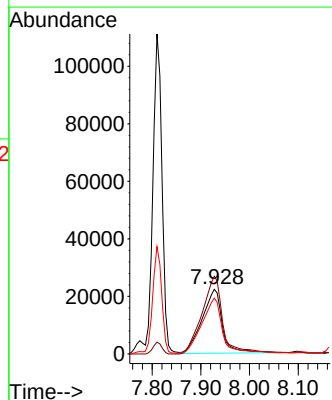
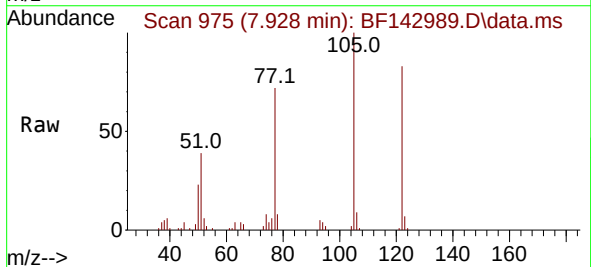
Instrument :
BNA_F
ClientSampleId :
PB168694BS

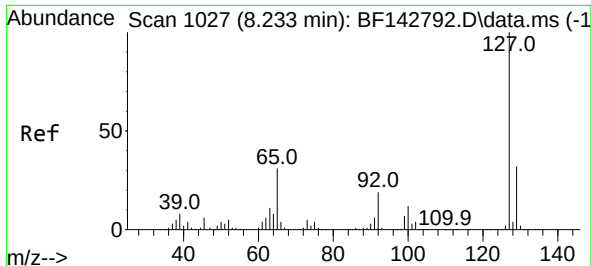
Tgt Ion:128 Resp: 474067
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 13.0 10.4 15.6



#32
Benzoic acid
Concen: 36.890 ng
RT: 7.928 min Scan# 975
Delta R.T. 0.006 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

Tgt Ion:122 Resp: 64375
Ion Ratio Lower Upper
122 100
105 120.1 104.7 144.7
77 86.4 70.2 110.2

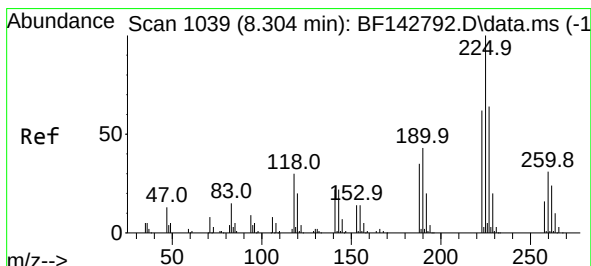
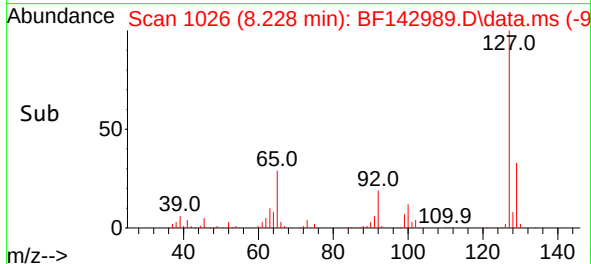
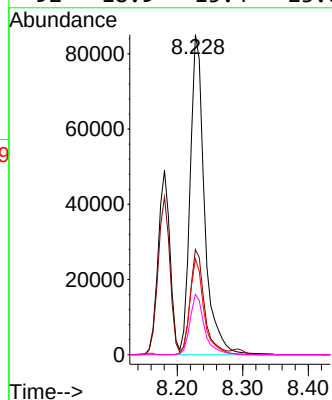
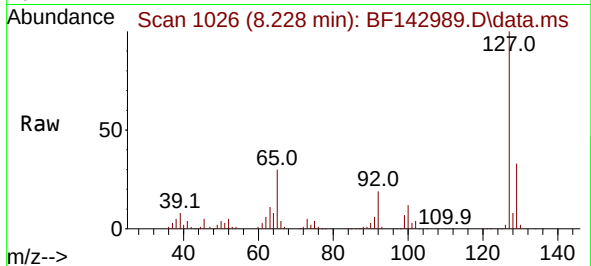




#33
4-Chloroaniline
Concen: 29.519 ng
RT: 8.228 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

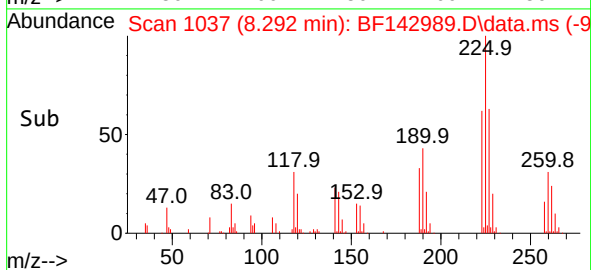
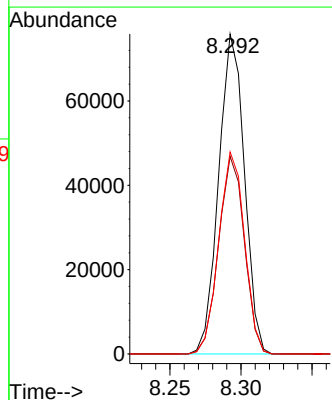
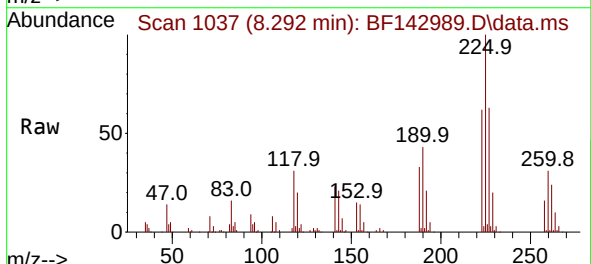
Instrument :
BNA_F
ClientSampleId :
PB168694BS

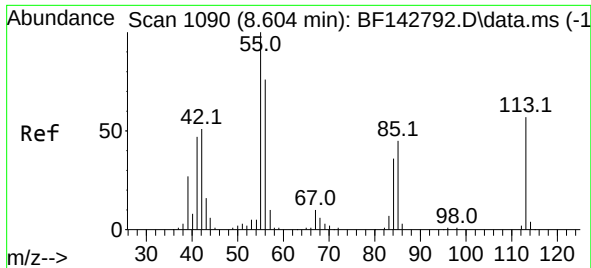
Tgt Ion:127	Resp: 129193
Ion Ratio	Lower Upper
127 100	
129 32.8	25.9 38.9
65 29.9	24.6 36.8
92 18.9	15.4 23.0



#34
Hexachlorobutadiene
Concen: 45.755 ng
RT: 8.292 min Scan# 1037
Delta R.T. -0.012 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

Tgt Ion:225	Resp: 95541
Ion Ratio	Lower Upper
225 100	
223 61.7	49.9 74.9
227 63.1	51.4 77.0

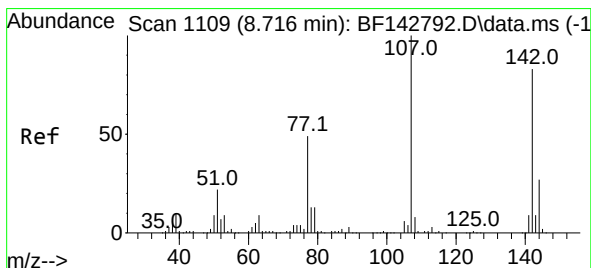
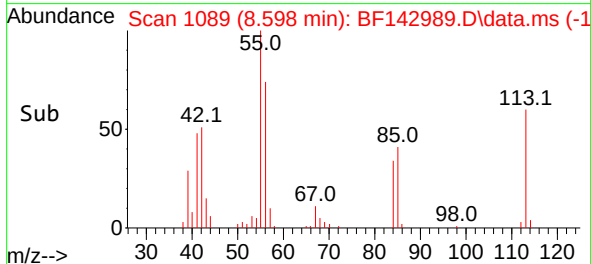
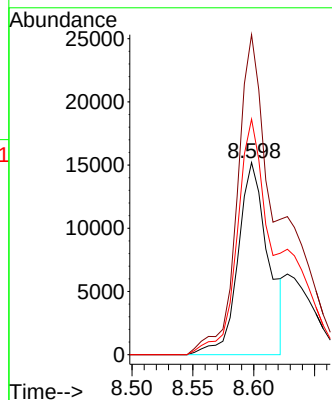
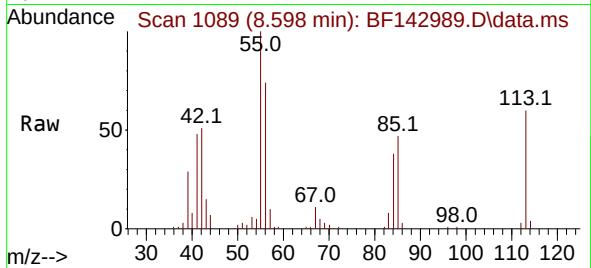




#35
 Caprolactam
 Concen: 31.948 ng
 RT: 8.598 min Scan# 1090
 Delta R.T. -0.006 min
 Lab File: BF142989.D
 Acq: 03 Jul 2025 10:55

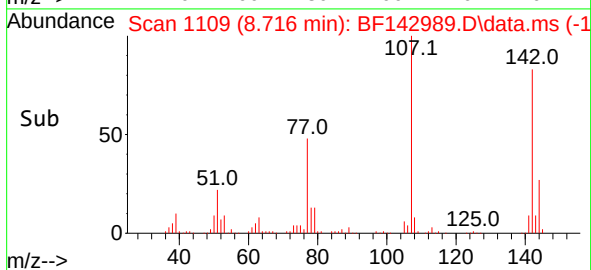
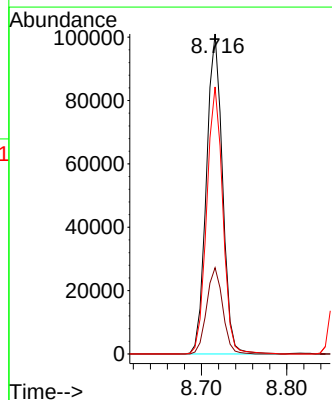
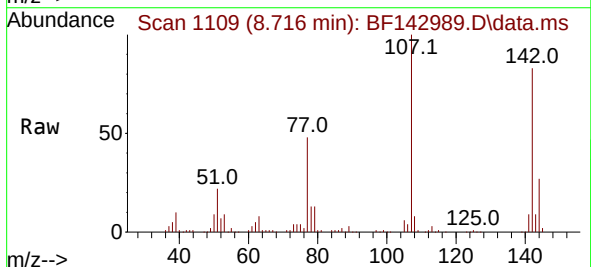
Instrument :
 BNA_F
 ClientSampleId :
 PB168694BS

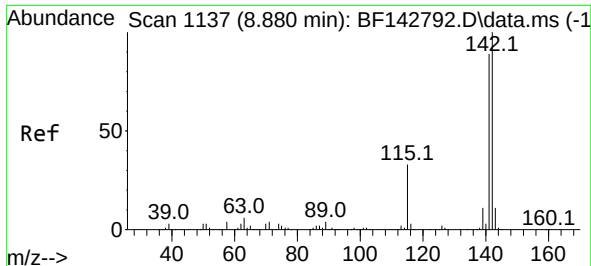
Tgt Ion:113 Resp: 26172
 Ion Ratio Lower Upper
 113 100
 55 166.6 154.4 194.4
 56 122.6 112.1 152.1



#36
 4-Chloro-3-methylphenol
 Concen: 42.967 ng
 RT: 8.716 min Scan# 1109
 Delta R.T. 0.000 min
 Lab File: BF142989.D
 Acq: 03 Jul 2025 10:55

Tgt Ion:107 Resp: 132566
 Ion Ratio Lower Upper
 107 100
 144 27.0 21.3 31.9
 142 83.4 66.6 100.0





#37

2-Methylnaphthalene

Concen: 44.240 ng

RT: 8.875 min Scan# 1136

Delta R.T. -0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

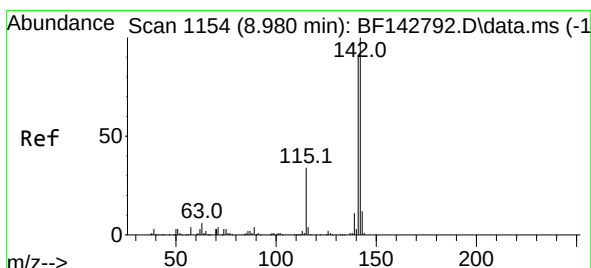
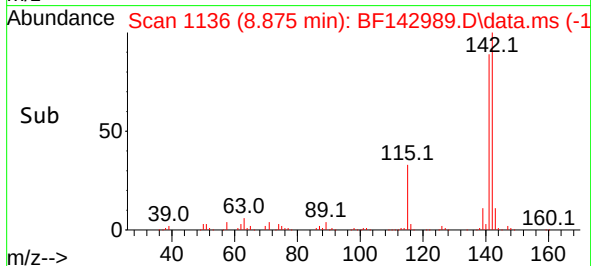
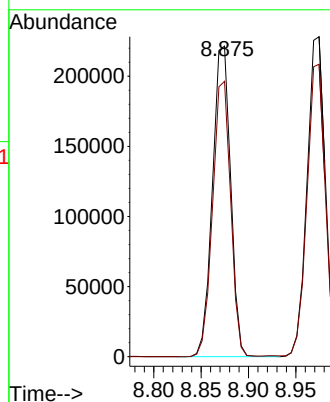
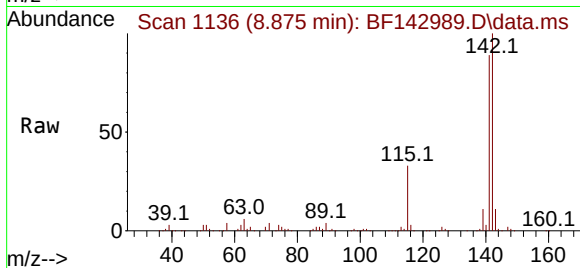
PB168694BS

Tgt Ion:142 Resp: 295211

Ion Ratio Lower Upper

142 100

141 88.7 70.9 106.3



#38

1-Methylnaphthalene

Concen: 43.939 ng

RT: 8.975 min Scan# 1153

Delta R.T. -0.006 min

Lab File: BF142989.D

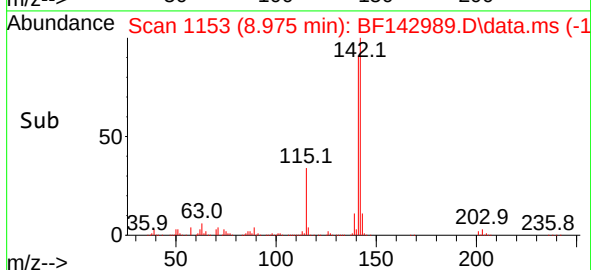
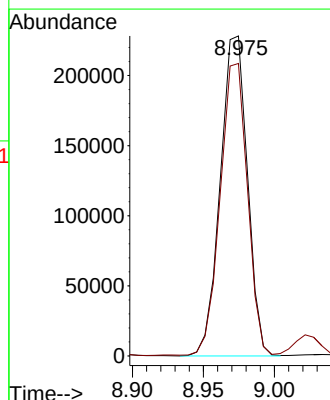
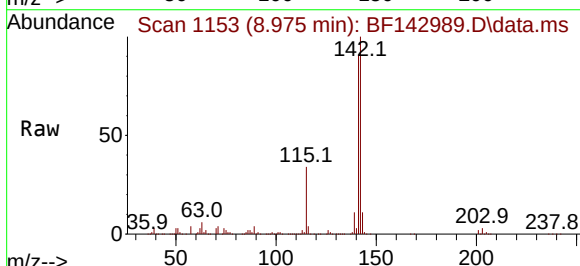
Acq: 03 Jul 2025 10:55

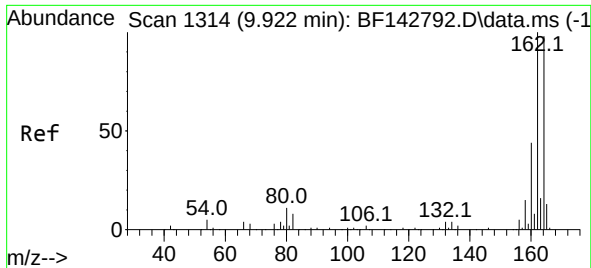
Tgt Ion:142 Resp: 303523

Ion Ratio Lower Upper

142 100

141 91.4 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1164

Delta R.T. -0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

PB168694BS

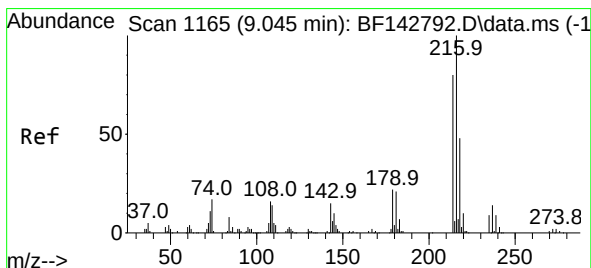
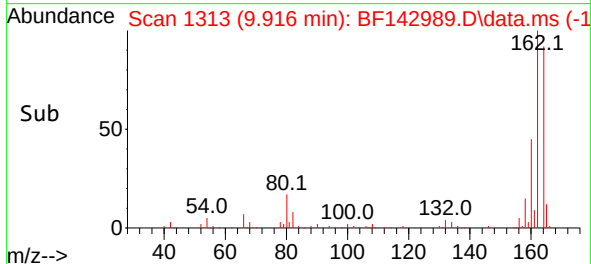
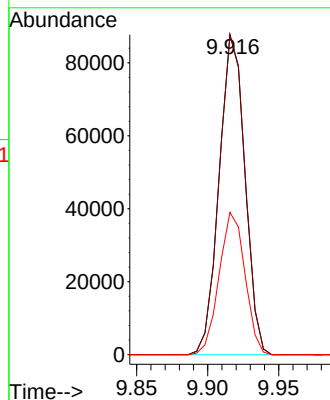
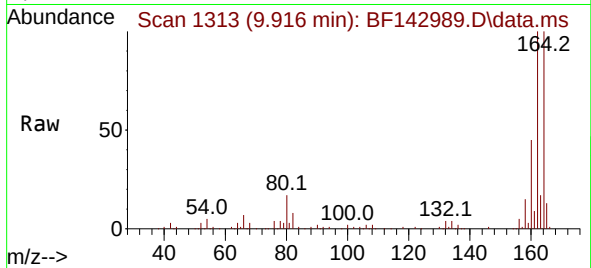
Tgt Ion:164 Resp: 110519

Ion Ratio Lower Upper

164 100

162 99.9 81.8 122.8

160 44.5 36.0 54.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 46.512 ng

RT: 9.039 min Scan# 1164

Delta R.T. -0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Tgt Ion:216 Resp: 151677

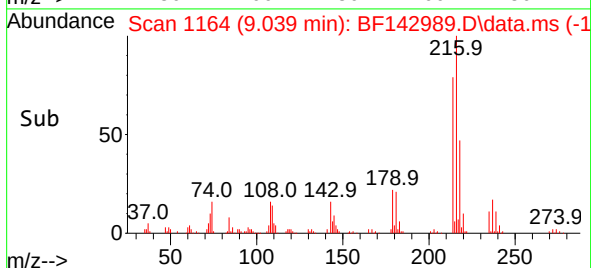
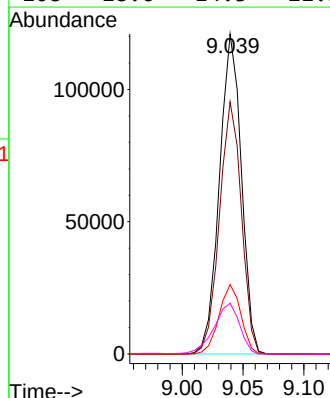
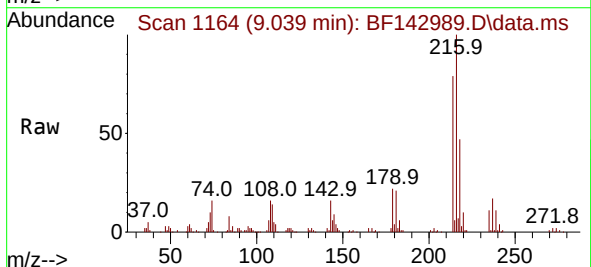
Ion Ratio Lower Upper

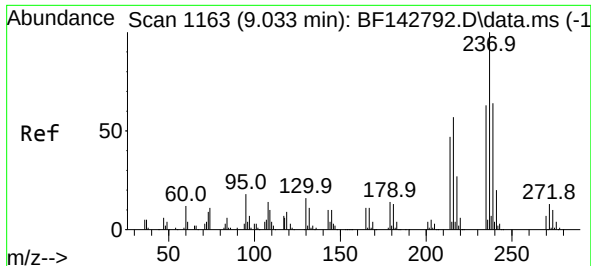
216 100

214 78.6 63.7 95.5

179 21.6 17.6 26.4

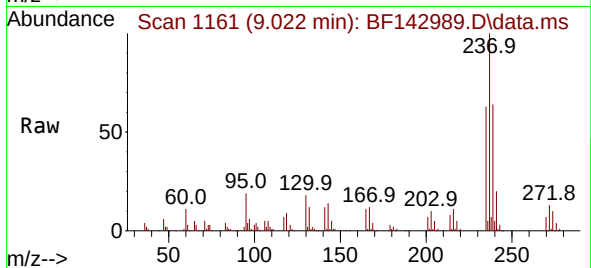
108 18.6 14.3 21.5



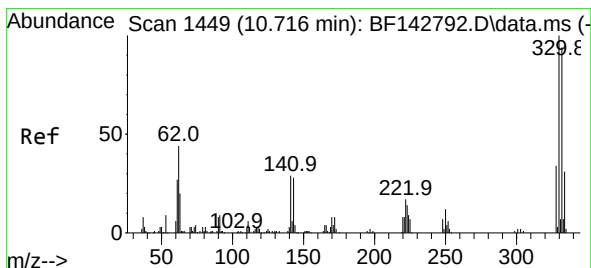
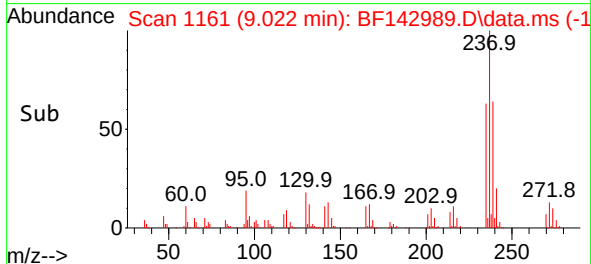
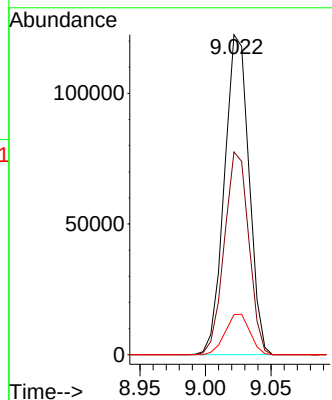


#41
Hexachlorocyclopentadiene
Concen: 86.059 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.012 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

Instrument :
BNA_F
ClientSampleId :
PB168694BS

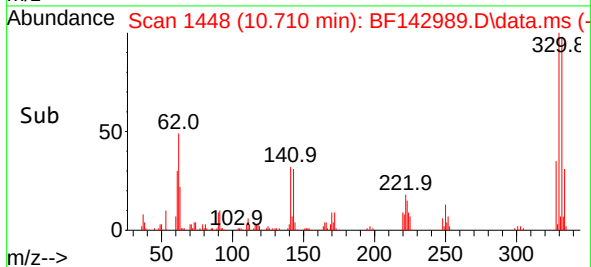
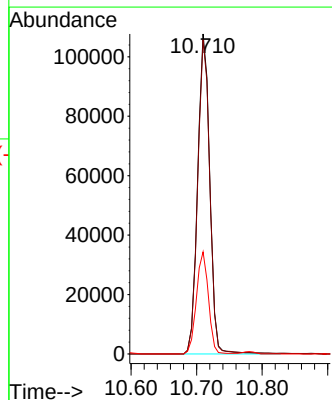
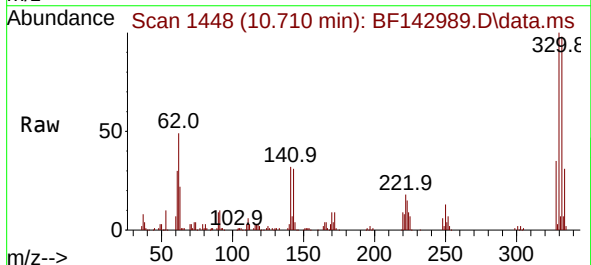


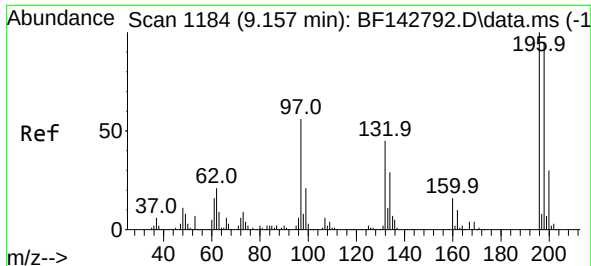
Tgt Ion:237 Resp: 159259
Ion Ratio Lower Upper
237 100
235 63.3 43.4 83.4
272 12.5 0.0 32.7



#42
2,4,6-Tribromophenol
Concen: 122.164 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

Tgt Ion:330 Resp: 138939
Ion Ratio Lower Upper
330 100
332 98.0 75.0 112.6
141 31.5 25.3 37.9





#43

2,4,6-Trichlorophenol

Concen: 44.340 ng

RT: 9.151 min Scan# 1184

Delta R.T. -0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

PB168694BS

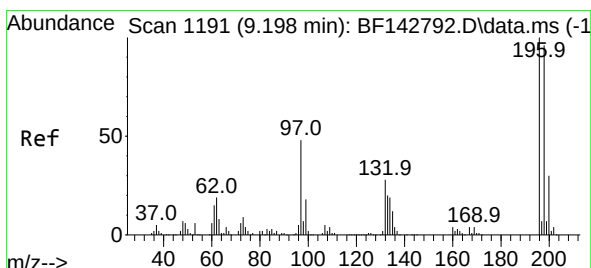
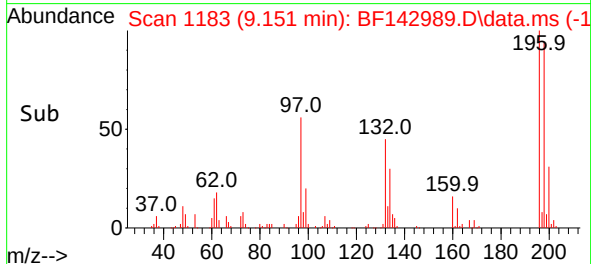
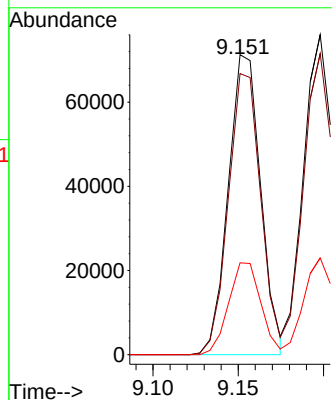
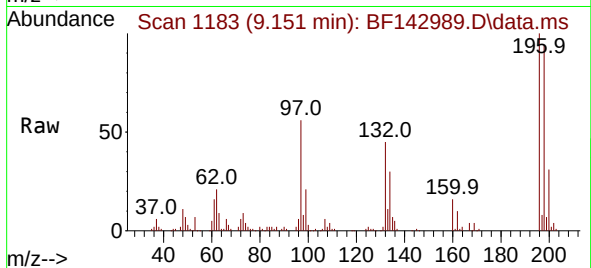
Tgt Ion:196 Resp: 94222

Ion Ratio Lower Upper

196 100

198 93.7 76.2 114.2

200 30.6 24.1 36.1



#44

2,4,5-Trichlorophenol

Concen: 44.162 ng

RT: 9.198 min Scan# 1191

Delta R.T. 0.000 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Tgt Ion:196 Resp: 98787

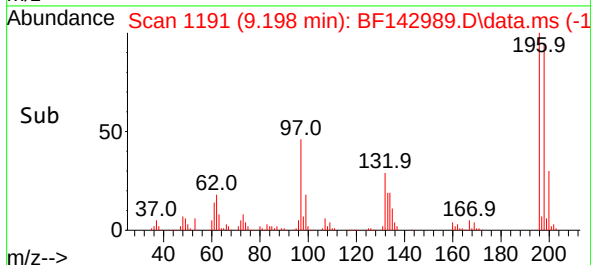
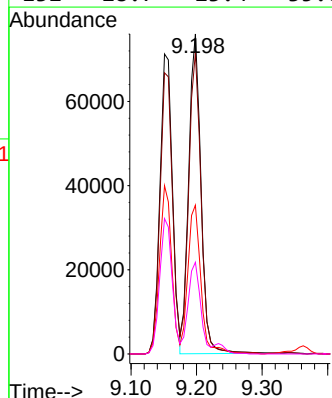
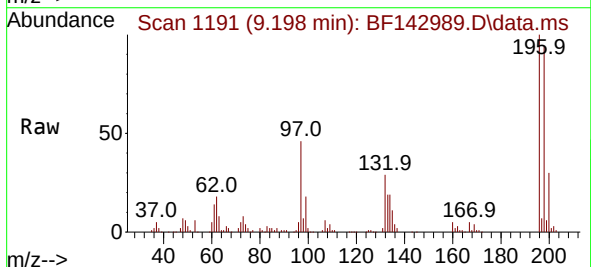
Ion Ratio Lower Upper

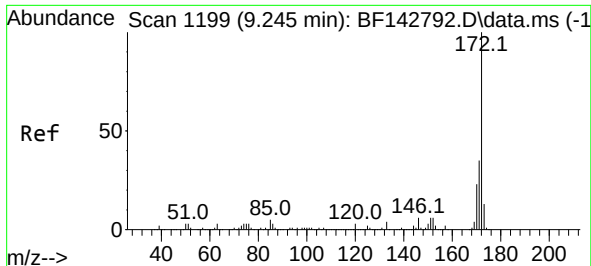
196 100

198 94.1 76.6 115.0

97 46.5 38.2 57.2

132 28.7 23.4 35.0





#45

2-Fluorobiphenyl

Concen: 79.779 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

PB168694BS

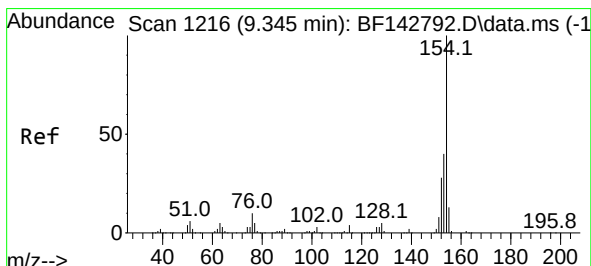
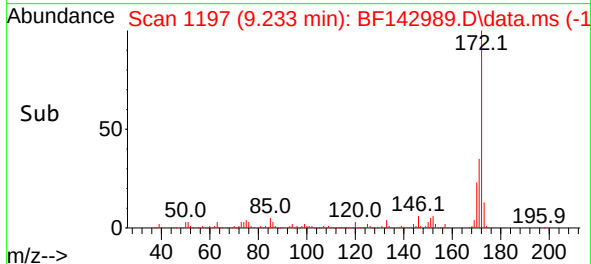
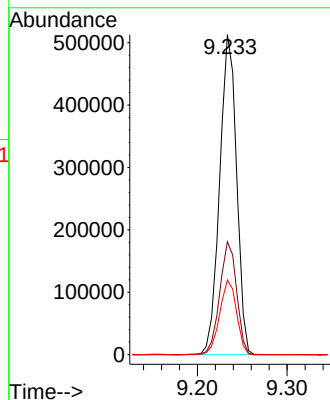
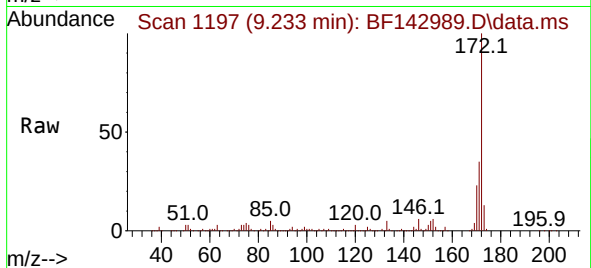
Tgt Ion:172 Resp: 671177

Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.4

170 23.3 18.5 27.7



#46

1,1'-Biphenyl

Concen: 45.567 ng

RT: 9.339 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

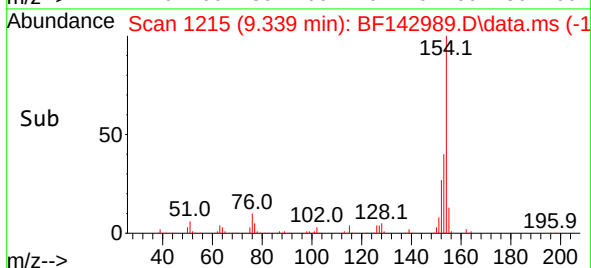
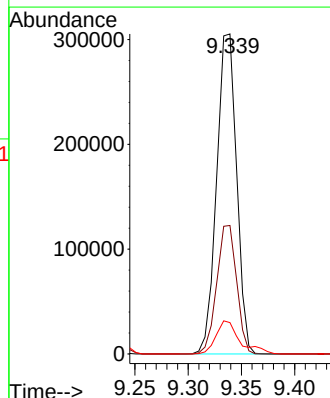
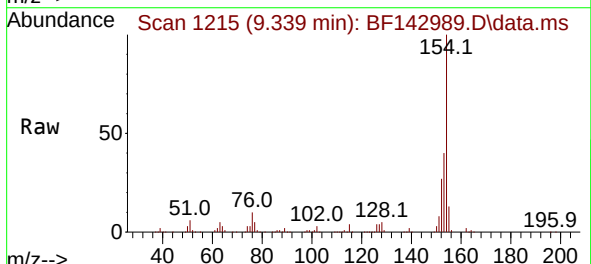
Tgt Ion:154 Resp: 397819

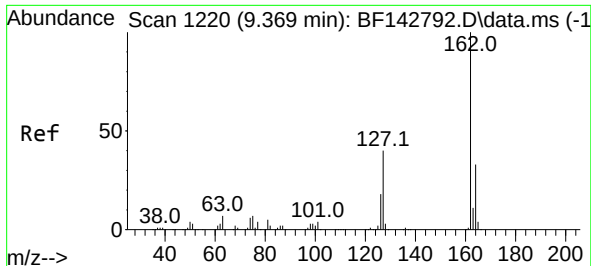
Ion Ratio Lower Upper

154 100

153 40.2 20.3 60.3

76 9.8 0.0 30.3

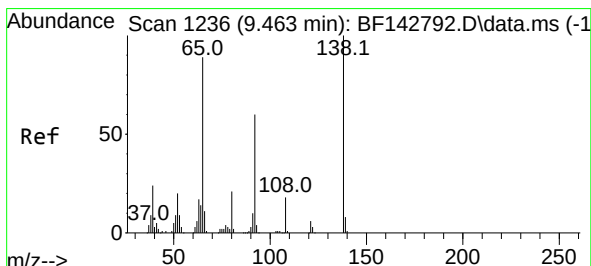
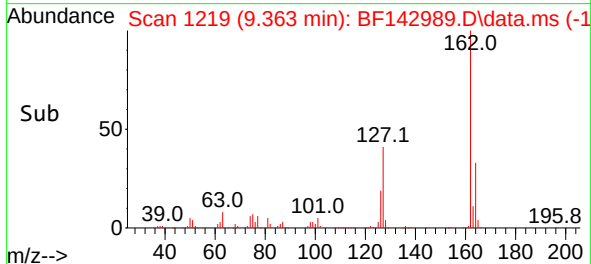
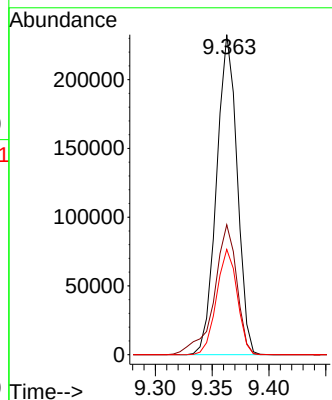
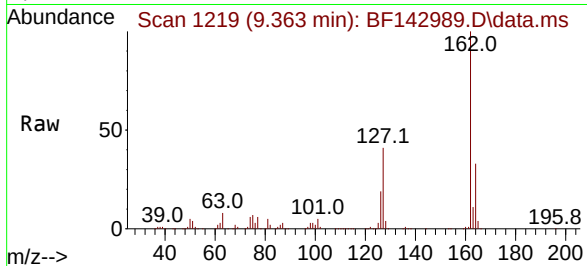




#47
2-Chloronaphthalene
Concen: 44.833 ng
RT: 9.363 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

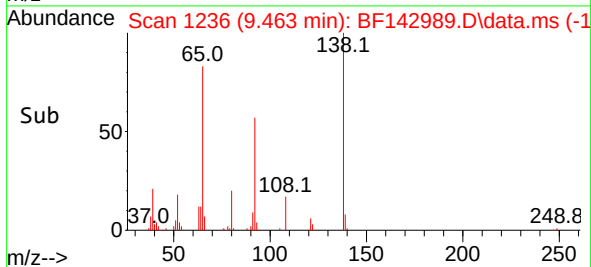
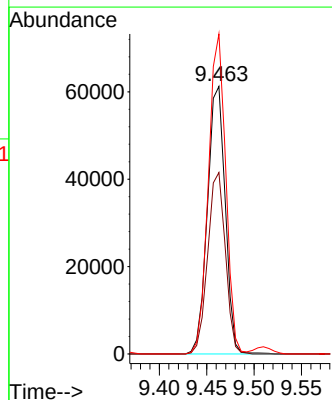
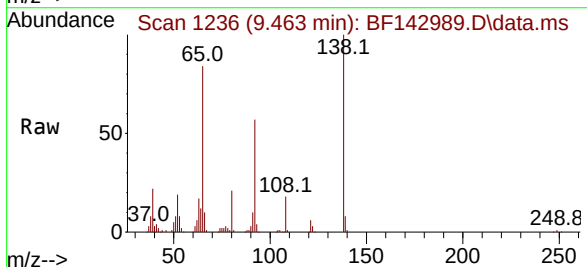
Instrument :
BNA_F
ClientSampleId :
PB168694BS

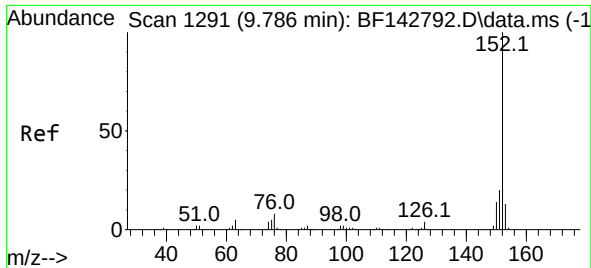
Tgt Ion:162 Resp: 293722
Ion Ratio Lower Upper
162 100
127 40.6 32.2 48.2
164 32.9 26.1 39.1



#48
2-Nitroaniline
Concen: 43.469 ng
RT: 9.463 min Scan# 1236
Delta R.T. 0.000 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

Tgt Ion: 65 Resp: 79842
Ion Ratio Lower Upper
65 100
92 67.8 53.8 80.6
138 119.6 89.6 134.4

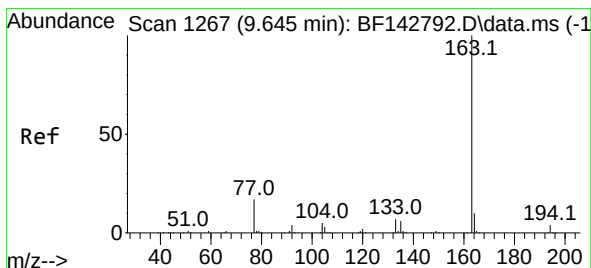
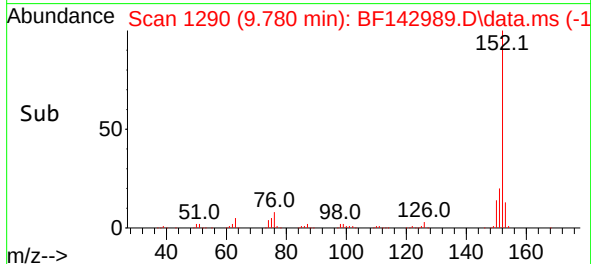
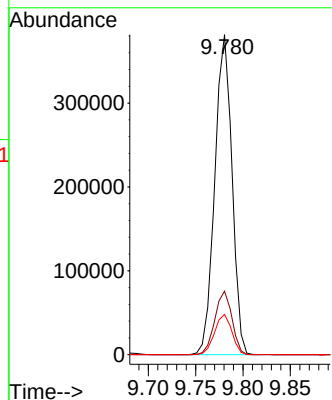
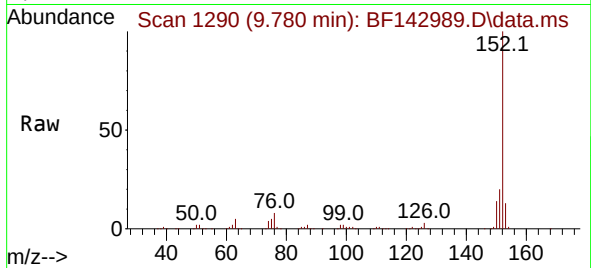




#49
Acenaphthylene
Concen: 44.661 ng
RT: 9.780 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

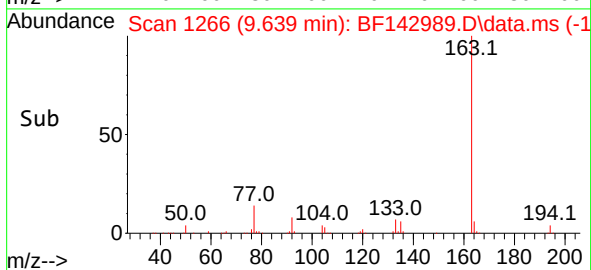
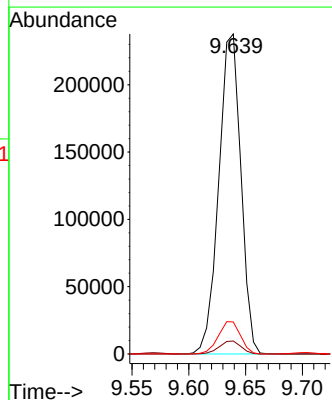
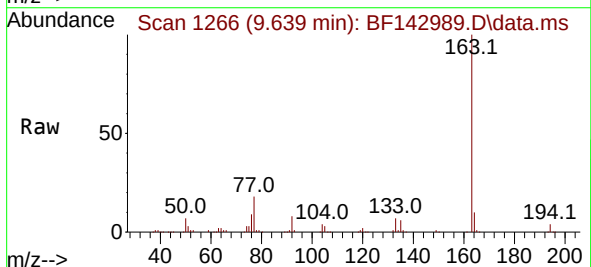
Instrument :
BNA_F
ClientSampleId :
PB168694BS

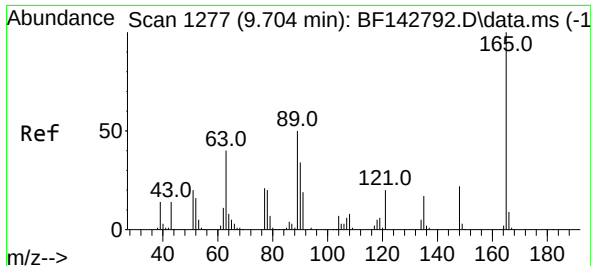
Tgt Ion:152 Resp: 481682
Ion Ratio Lower Upper
152 100
151 19.8 16.1 24.1
153 12.6 10.4 15.6



#50
Dimethylphthalate
Concen: 45.042 ng
RT: 9.639 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

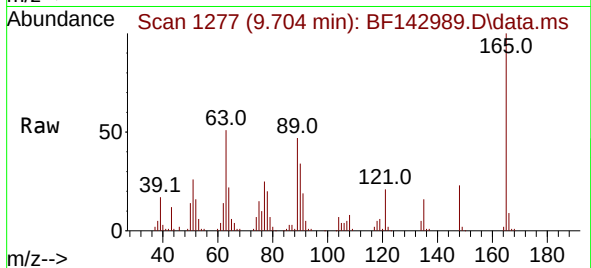
Tgt Ion:163 Resp: 322225
Ion Ratio Lower Upper
163 100
194 4.0 3.3 4.9
164 10.0 8.0 12.0



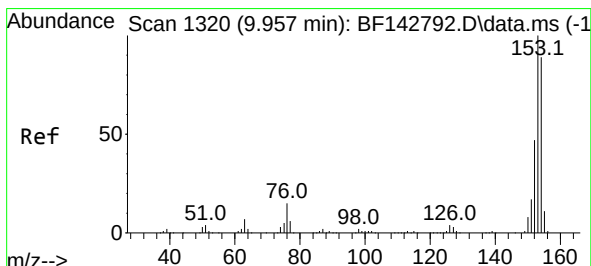
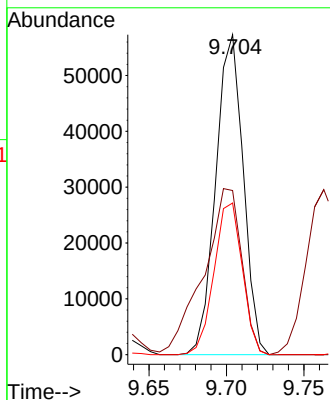
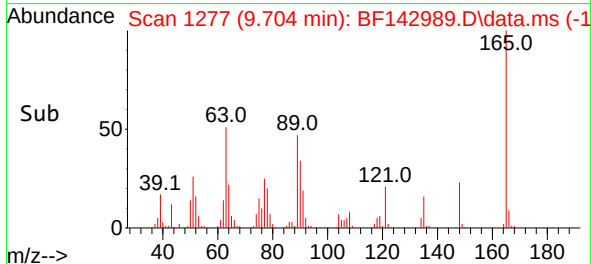


#51
2,6-Dinitrotoluene
Concen: 45.063 ng
RT: 9.704 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

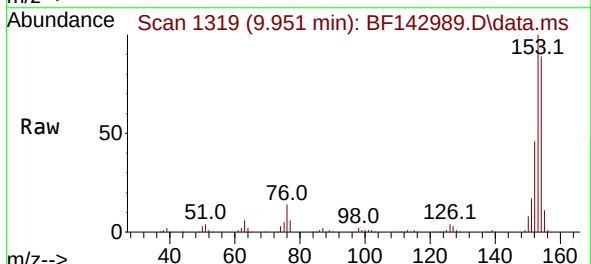
Instrument :
BNA_F
ClientSampleId :
PB168694BS



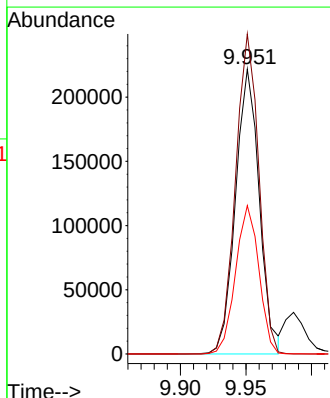
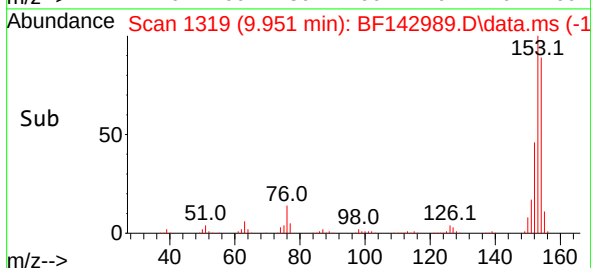
Tgt Ion:165 Resp: 70798
Ion Ratio Lower Upper
165 100
63 51.3 44.2 66.4
89 47.4 39.8 59.8

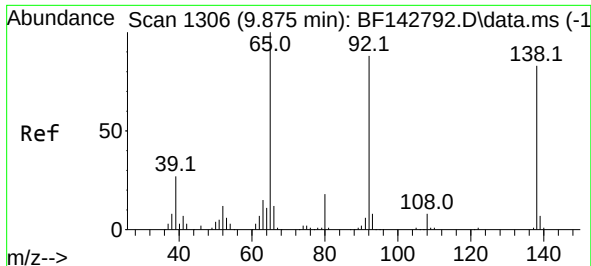


#52
Acenaphthene
Concen: 42.642 ng
RT: 9.951 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55



Tgt Ion:154 Resp: 280599
Ion Ratio Lower Upper
154 100
153 112.3 90.0 135.0
152 52.1 41.9 62.9

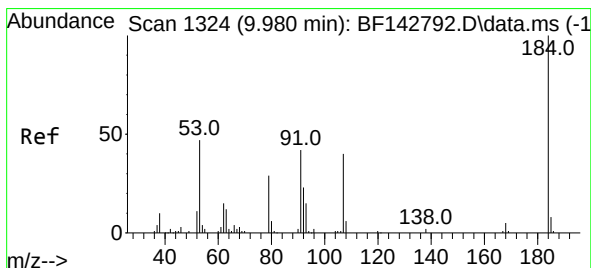
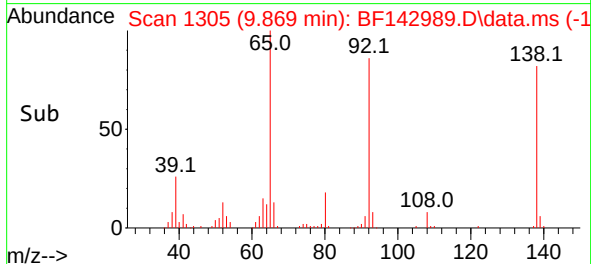
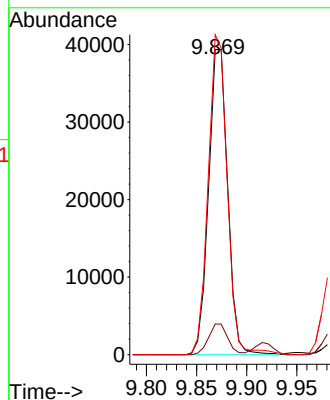
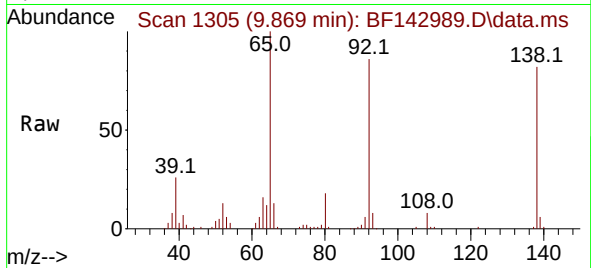




#53
3-Nitroaniline
Concen: 30.200 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

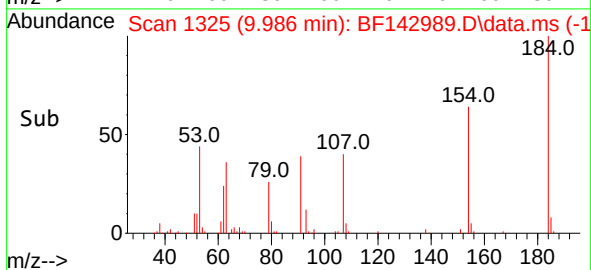
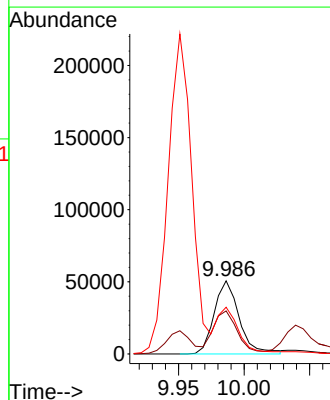
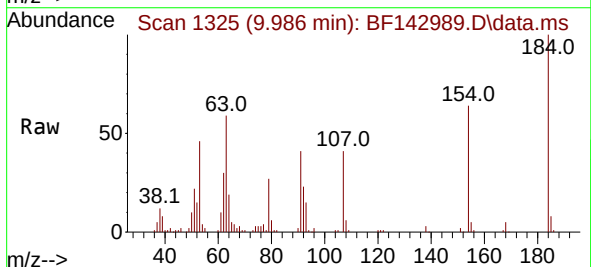
Instrument :
BNA_F
ClientSampleId :
PB168694BS

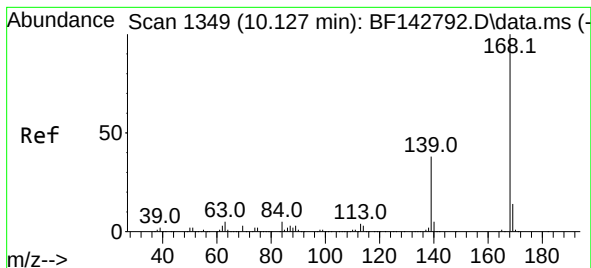
Tgt Ion:138 Resp: 52239
Ion Ratio Lower Upper
138 100
108 10.1 8.1 12.1
92 104.9 85.1 127.7



#54
2,4-Dinitrophenol
Concen: 85.472 ng
RT: 9.986 min Scan# 1325
Delta R.T. 0.006 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

Tgt Ion:184 Resp: 67238
Ion Ratio Lower Upper
184 100
63 59.0 50.6 75.8
154 63.9 51.8 77.8





#55

Dibenzofuran

Concen: 44.425 ng

RT: 10.122 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

PB168694BS

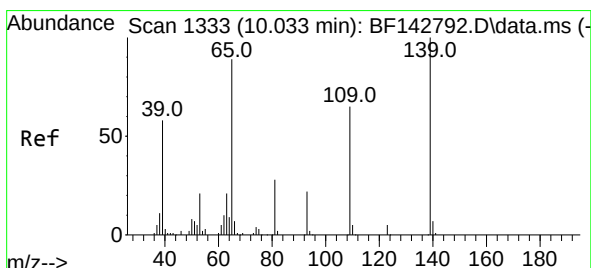
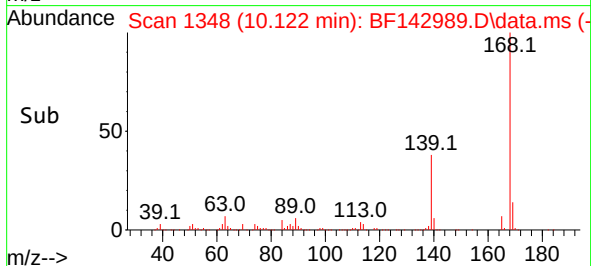
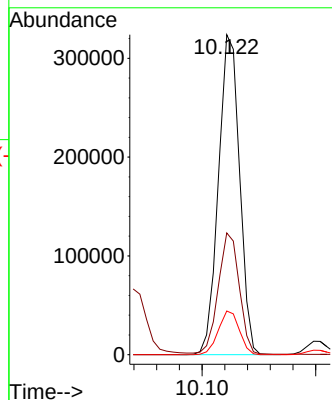
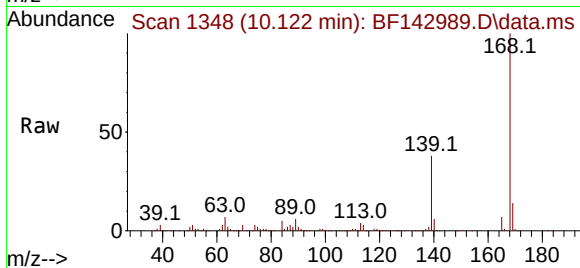
Tgt Ion:168 Resp: 419194

Ion Ratio Lower Upper

168 100

139 38.0 30.2 45.4

169 13.6 10.8 16.2



#56

4-Nitrophenol

Concen: 78.504 ng

RT: 10.039 min Scan# 1334

Delta R.T. 0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

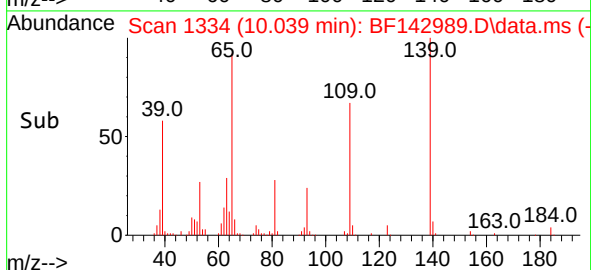
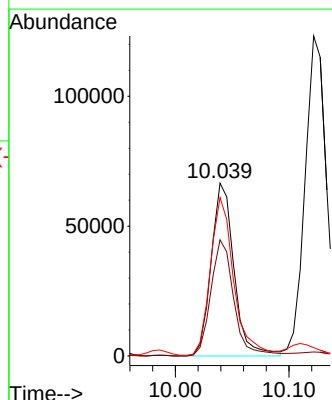
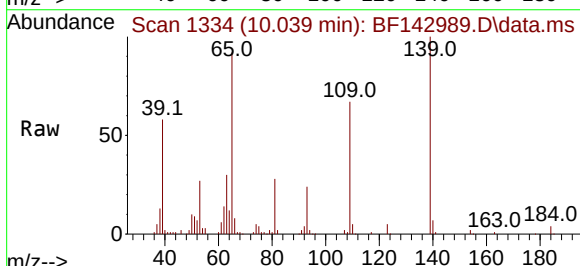
Tgt Ion:139 Resp: 92964

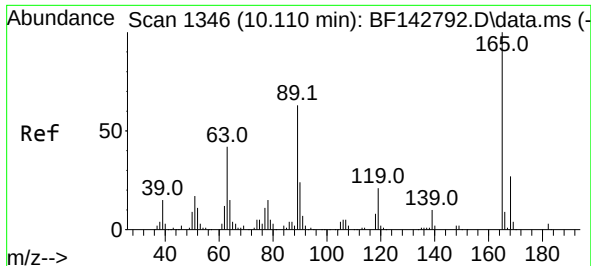
Ion Ratio Lower Upper

139 100

109 67.2 44.7 84.7

65 91.6 69.8 109.8

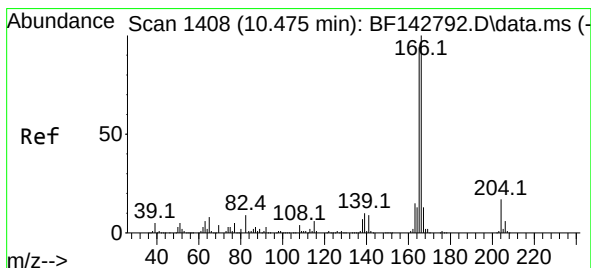
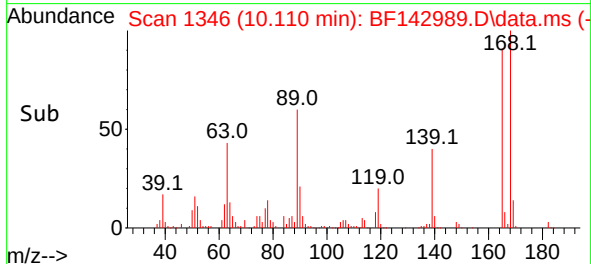
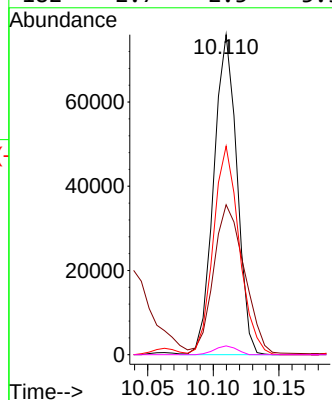
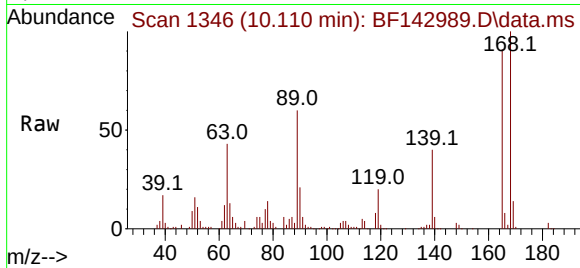




#57
2,4-Dinitrotoluene
Concen: 44.717 ng
RT: 10.110 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

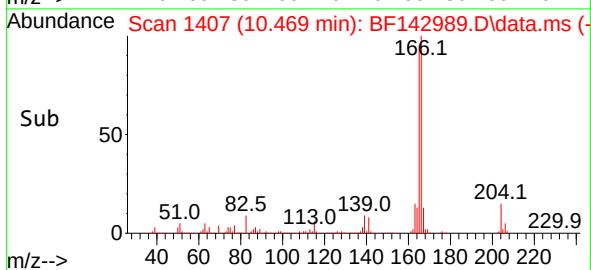
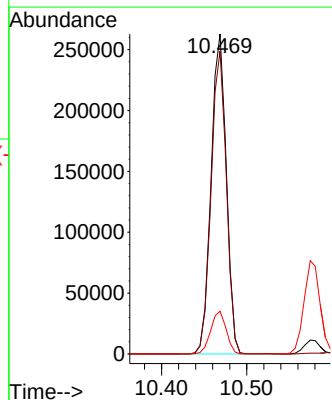
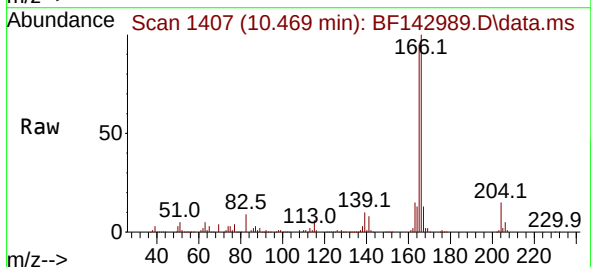
Instrument :
BNA_F
ClientSampleId :
PB168694BS

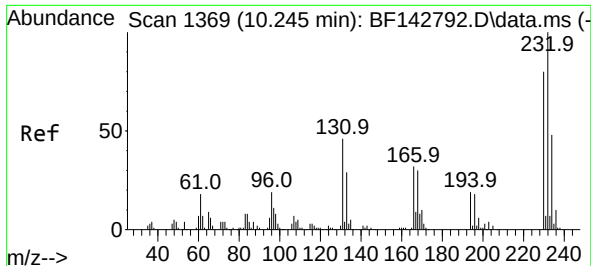
Tgt Ion:165 Resp: 93317
Ion Ratio Lower Upper
165 100
63 46.8 33.9 50.9
89 65.2 50.6 75.8
182 2.7 2.3 3.5



#58
Fluorene
Concen: 44.271 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

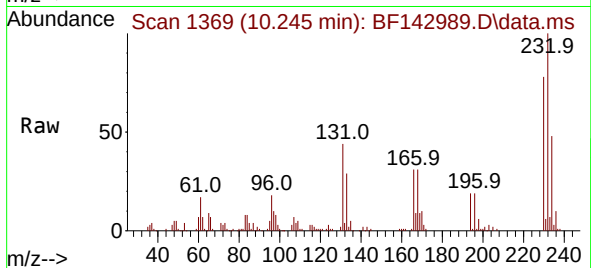
Tgt Ion:166 Resp: 326251
Ion Ratio Lower Upper
166 100
165 94.6 75.2 112.8
167 13.4 10.6 15.8



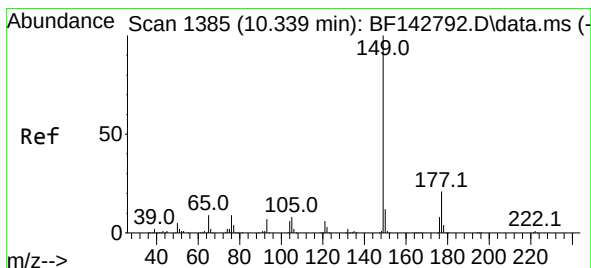
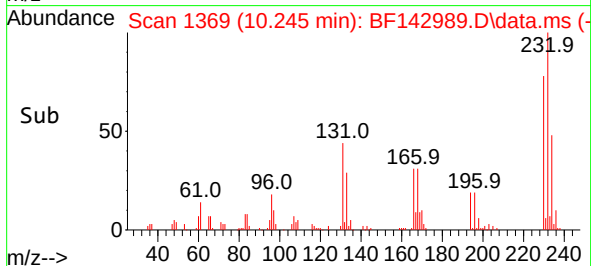
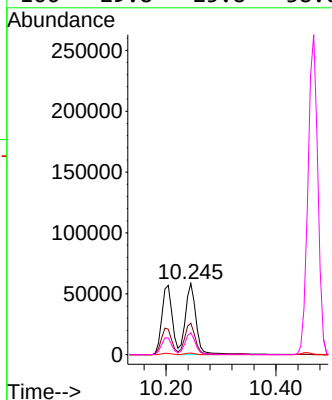


#59
2,3,4,6-Tetrachlorophenol
Concen: 43.370 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

Instrument :
BNA_F
ClientSampleId :
PB168694BS

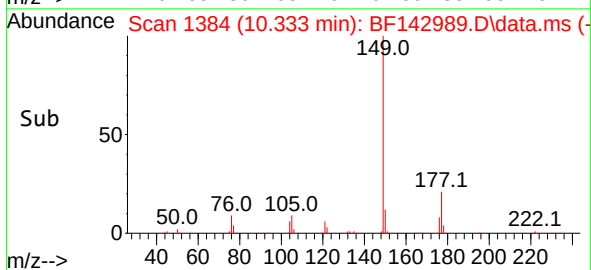
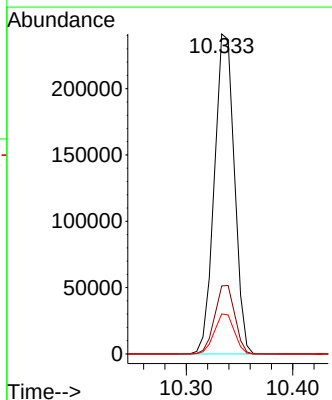
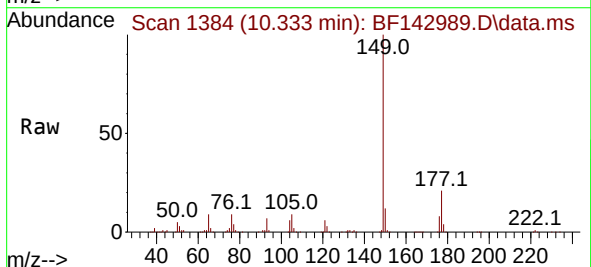


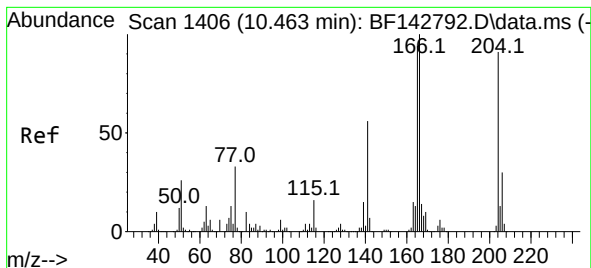
Tgt Ion:232 Resp: 78199
Ion Ratio Lower Upper
232 100
131 44.3 37.6 56.4
130 2.2 1.7 2.5
166 29.8 25.8 38.6



#60
Diethylphthalate
Concen: 44.801 ng
RT: 10.333 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

Tgt Ion:149 Resp: 314250
Ion Ratio Lower Upper
149 100
177 21.2 17.0 25.6
150 12.5 9.8 14.6

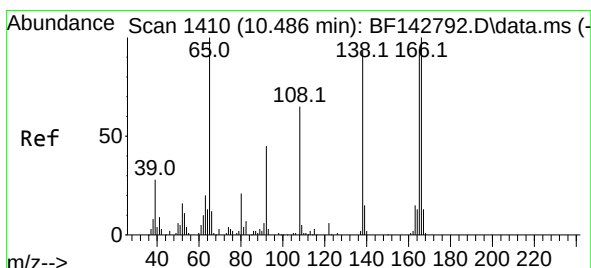
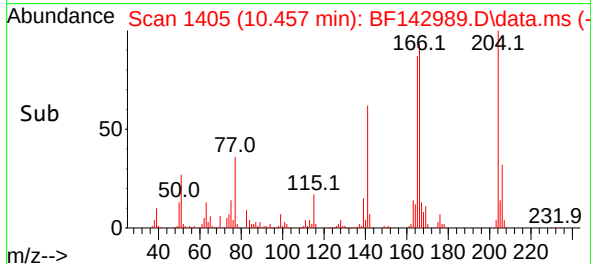
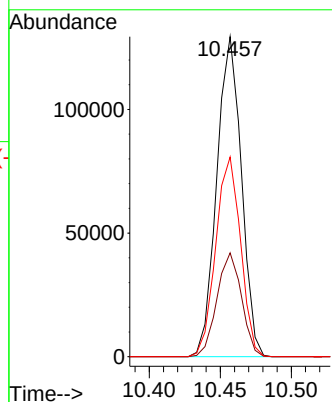
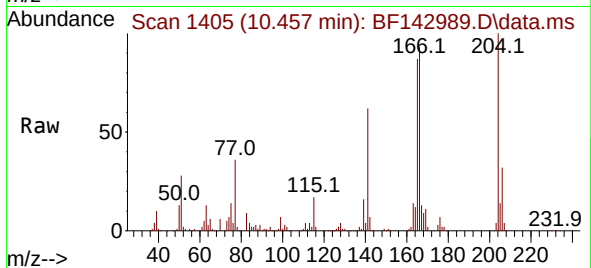




#61
4-Chlorophenyl-phenylether
Concen: 44.341 ng
RT: 10.457 min Scan# 1405
Delta R.T. -0.006 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

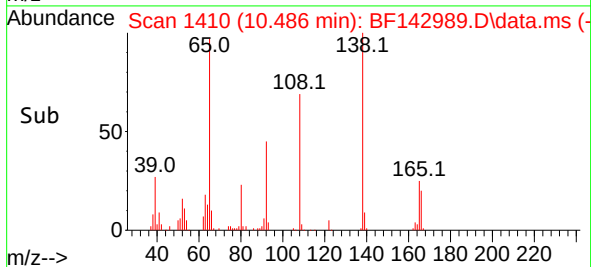
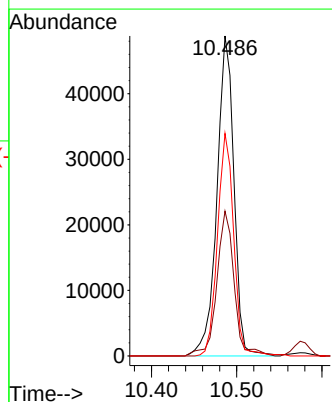
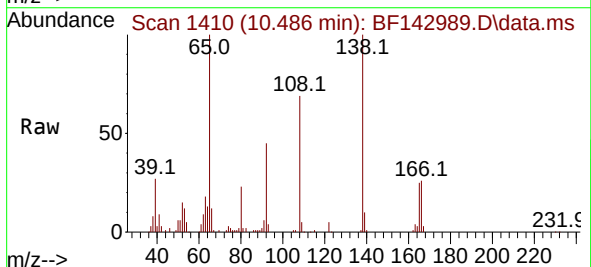
Instrument :
BNA_F
ClientSampleId :
PB168694BS

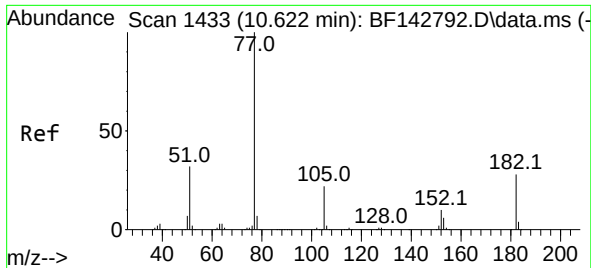
Tgt Ion:204 Resp: 155928
Ion Ratio Lower Upper
204 100
206 32.5 26.3 39.5
141 62.4 49.1 73.7



#62
4-Nitroaniline
Concen: 43.089 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

Tgt Ion:138 Resp: 68167
Ion Ratio Lower Upper
138 100
92 45.2 28.4 68.4
108 69.6 50.2 90.2



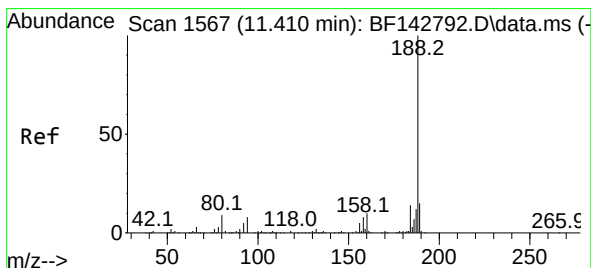
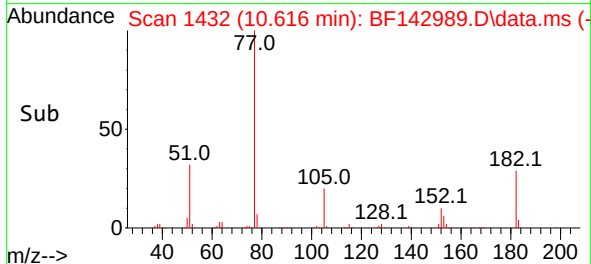
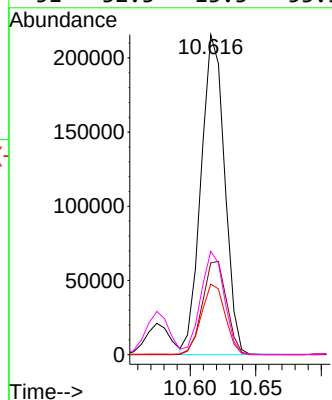
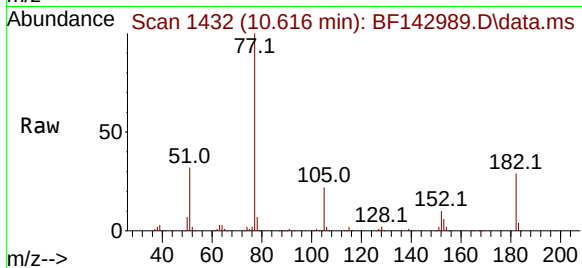


#63
Azobenzene
Concen: 42.994 ng
RT: 10.616 min Scan# 1433
Delta R.T. -0.006 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

Instrument :
BNA_F
ClientSampleId :
PB168694BS

Tgt Ion: 77 Resp: 269537

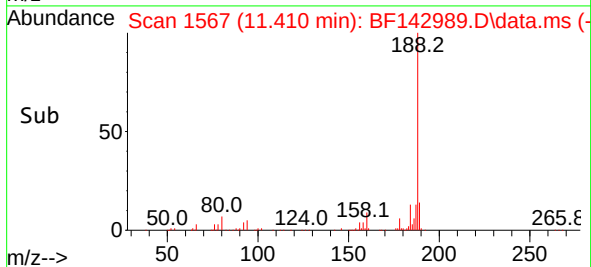
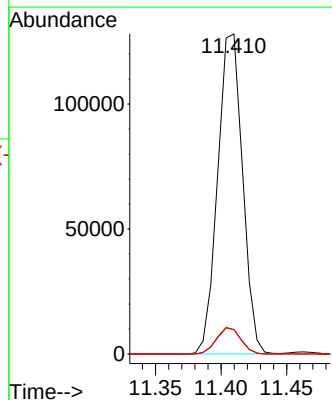
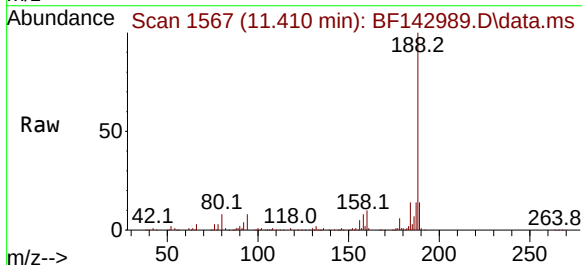
Ion	Ratio	Lower	Upper
77	100		
182	28.7	7.7	47.7
105	22.0	1.9	41.9
51	32.3	13.3	53.3

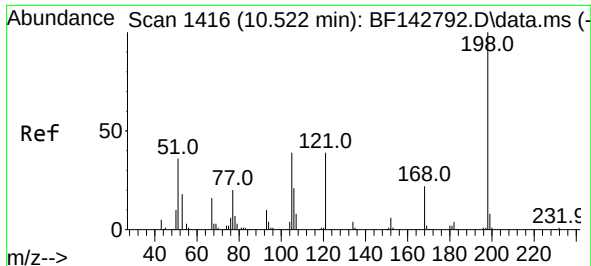


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

Tgt Ion: 188 Resp: 169244

Ion	Ratio	Lower	Upper
188	100		
94	7.6	6.7	10.1
80	7.6	6.9	10.3

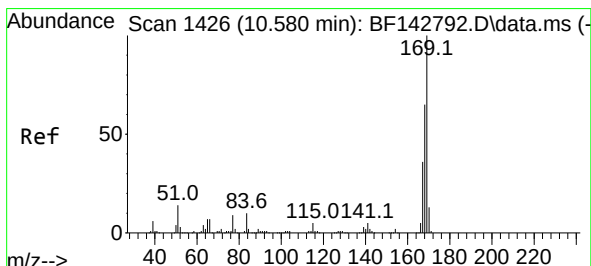
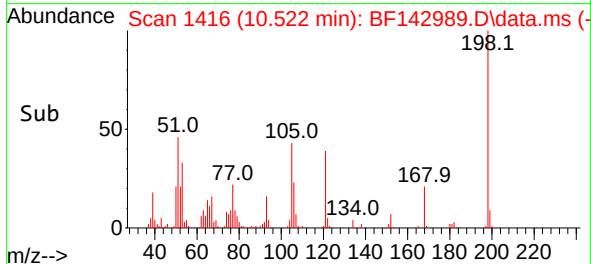
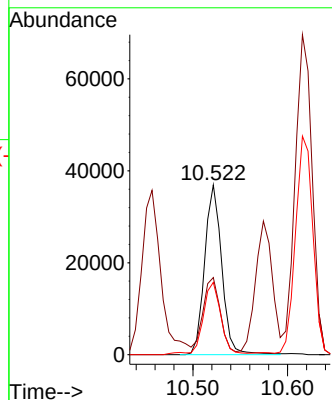
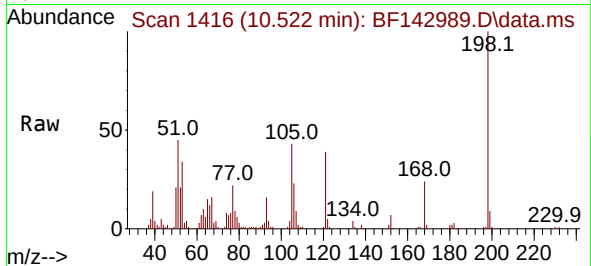




#65
4,6-Dinitro-2-methylphenol
Concen: 45.370 ng
RT: 10.522 min Scan# 1416
Delta R.T. 0.000 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

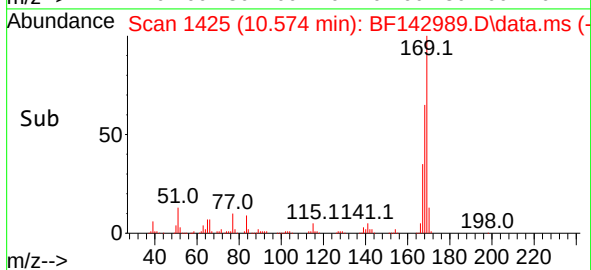
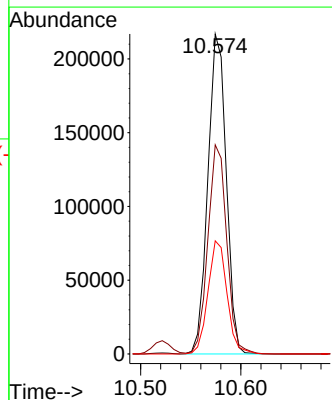
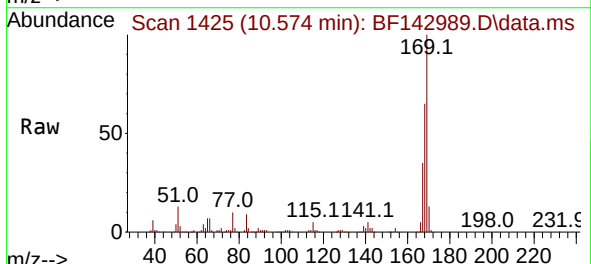
Instrument :
BNA_F
ClientSampleId :
PB168694BS

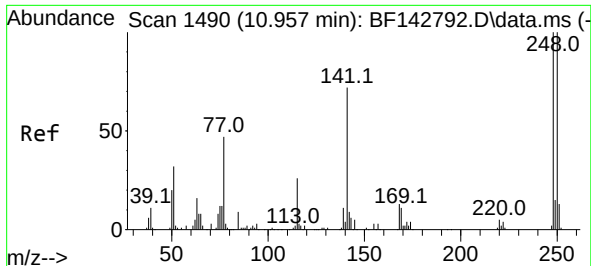
Tgt Ion:198 Resp: 46445
Ion Ratio Lower Upper
198 100
51 45.4 25.4 65.4
105 42.6 20.4 60.4



#66
n-Nitrosodiphenylamine
Concen: 47.197 ng
RT: 10.574 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

Tgt Ion:169 Resp: 276837
Ion Ratio Lower Upper
169 100
168 65.3 51.9 77.9
167 35.3 28.5 42.7

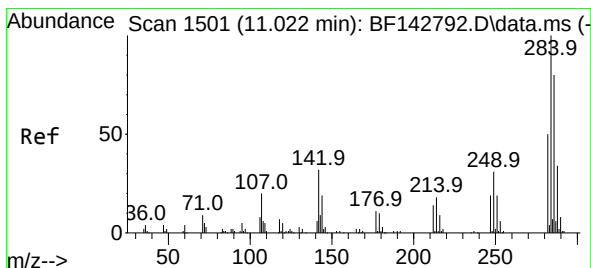
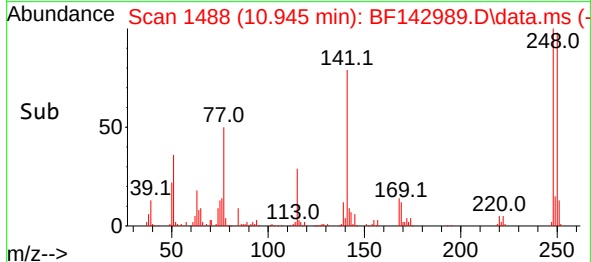
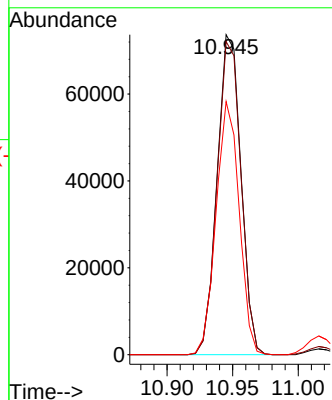
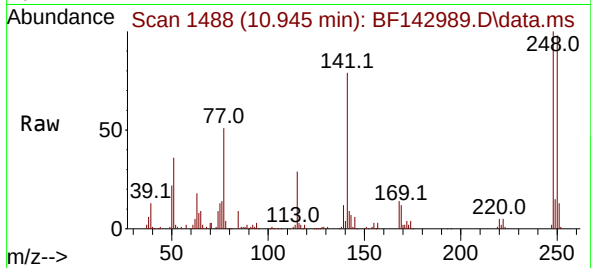




#67
4-Bromophenyl-phenylether
Concen: 48.379 ng
RT: 10.945 min Scan# 1488
Delta R.T. -0.012 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

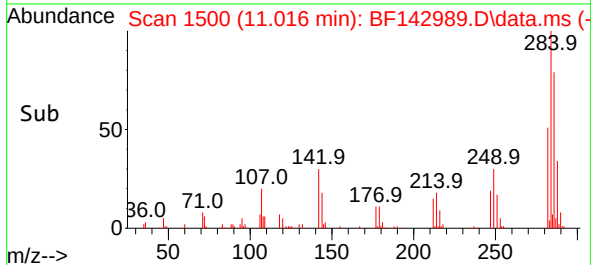
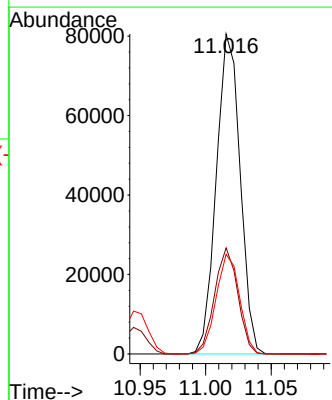
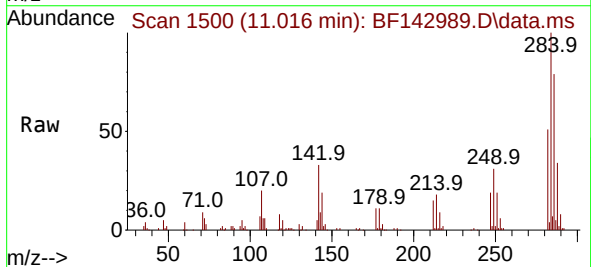
Instrument :
BNA_F
ClientSampleId :
PB168694BS

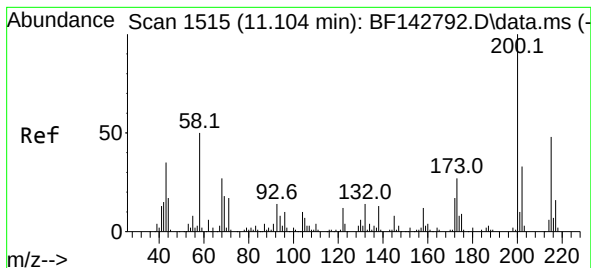
Tgt Ion:248 Resp: 93186
Ion Ratio Lower Upper
248 100
250 97.9 79.8 119.8
141 79.1 57.8 86.6



#68
Hexachlorobenzene
Concen: 47.444 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

Tgt Ion:284 Resp: 101543
Ion Ratio Lower Upper
284 100
142 33.1 25.5 38.3
249 31.1 24.9 37.3





#69

Atrazine

Concen: 52.689 ng

RT: 11.104 min Scan# 1515

Delta R.T. 0.000 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

PB168694BS

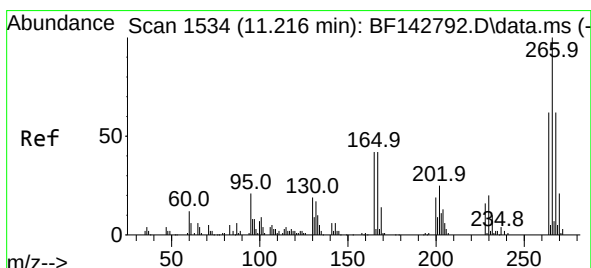
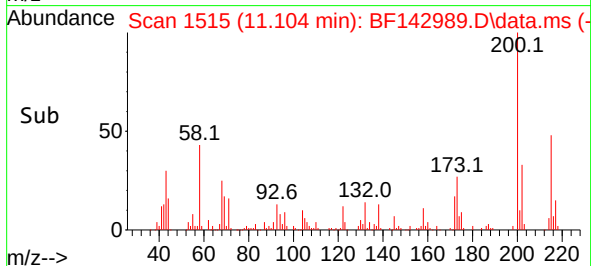
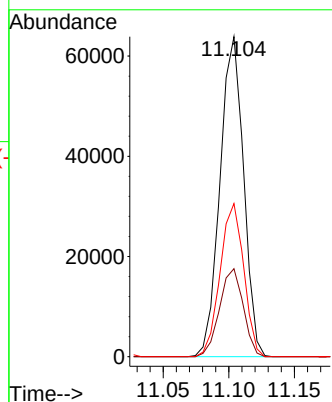
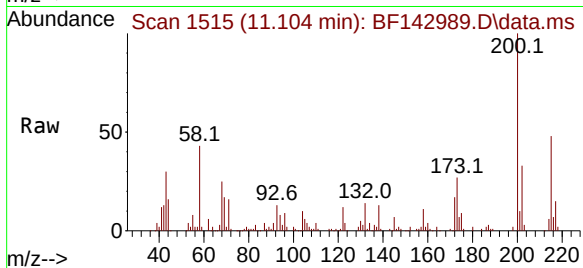
Tgt Ion:200 Resp: 79807

Ion Ratio Lower Upper

200 100

173 27.5 7.4 47.4

215 47.9 28.4 68.4



#70

Pentachlorophenol

Concen: 86.170 ng

RT: 11.216 min Scan# 1534

Delta R.T. -0.000 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

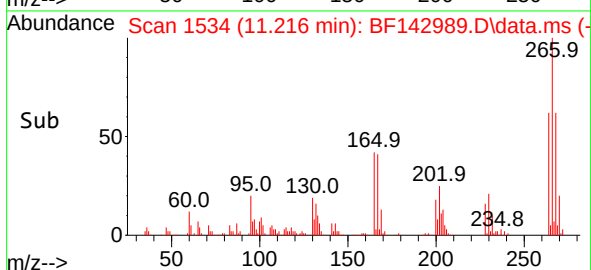
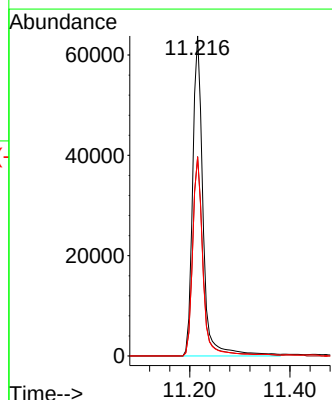
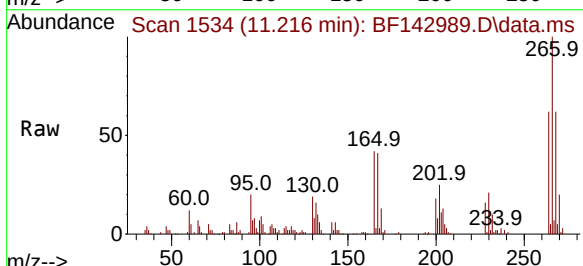
Tgt Ion:266 Resp: 91900

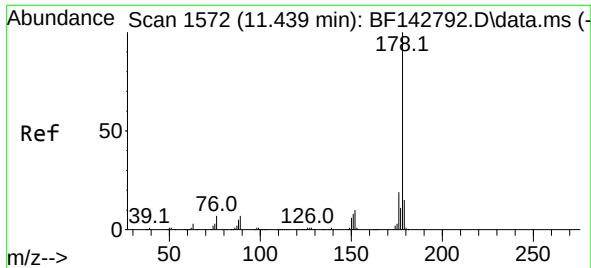
Ion Ratio Lower Upper

266 100

268 62.3 49.8 74.8

264 62.1 49.9 74.9

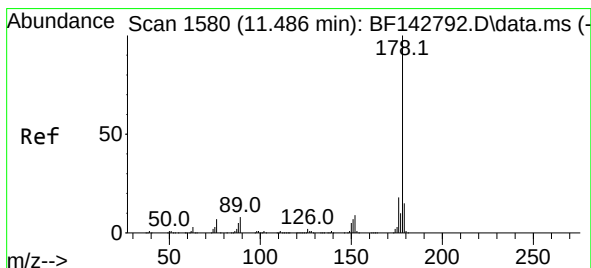
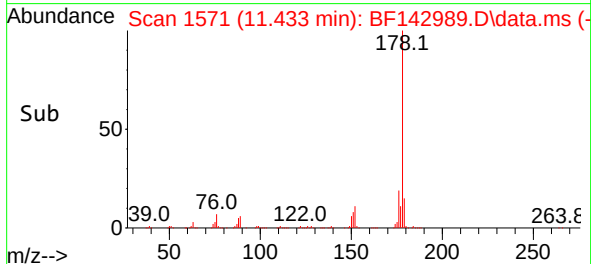
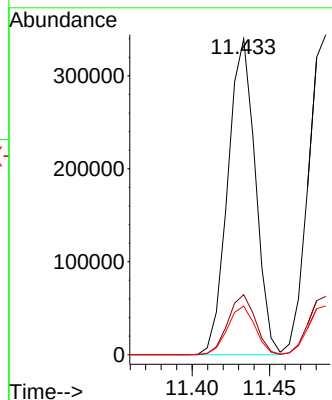
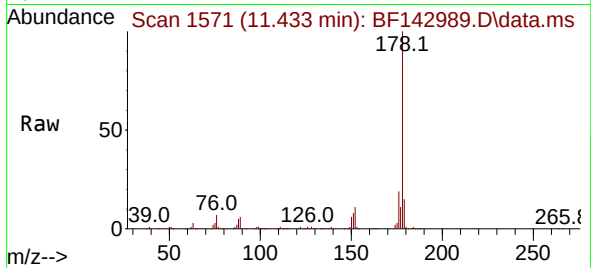




#71
Phenanthrene
Concen: 45.776 ng
RT: 11.433 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

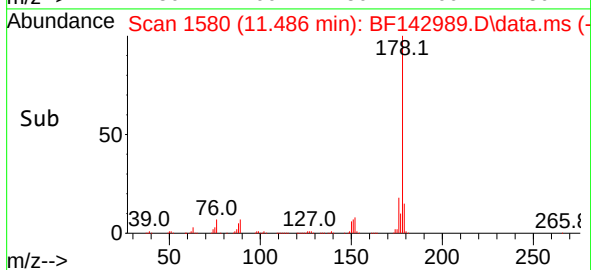
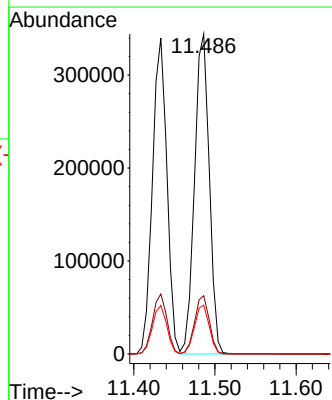
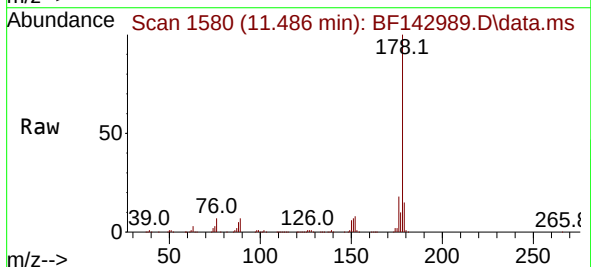
Instrument :
BNA_F
ClientSampleId :
PB168694BS

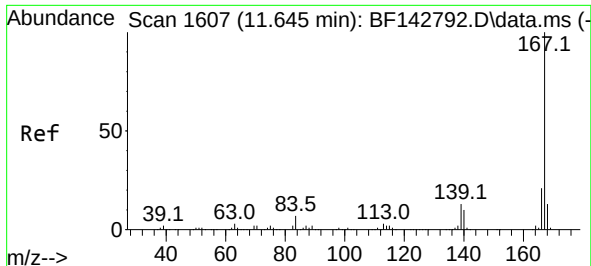
Tgt Ion:178 Resp: 419673
Ion Ratio Lower Upper
178 100
176 19.0 15.1 22.7
179 15.4 12.0 18.0



#72
Anthracene
Concen: 46.255 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

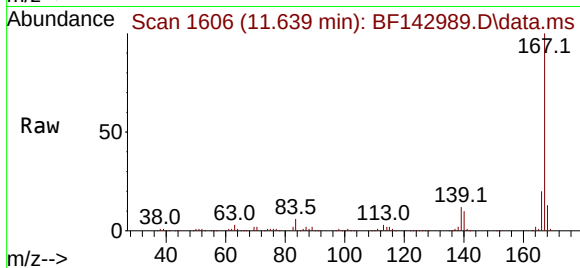
Tgt Ion:178 Resp: 434911
Ion Ratio Lower Upper
178 100
176 18.2 14.6 21.8
179 15.3 12.4 18.6



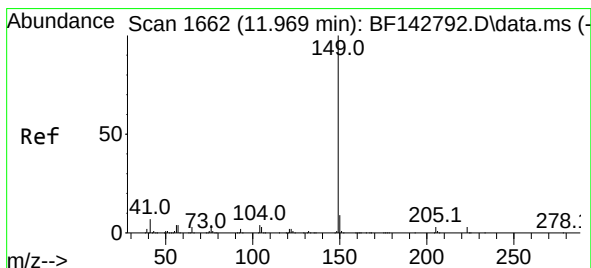
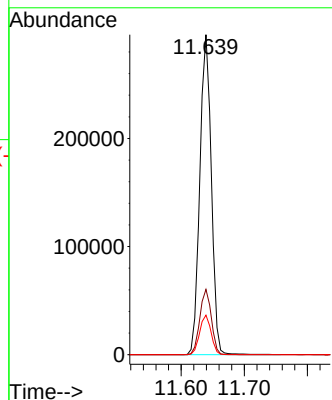
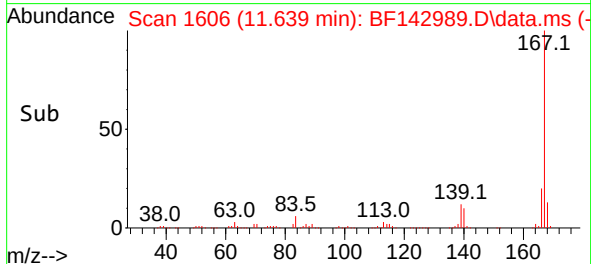


#73
 Carbazole
 Concen: 46.001 ng
 RT: 11.639 min Scan# 1606
 Delta R.T. -0.006 min
 Lab File: BF142989.D
 Acq: 03 Jul 2025 10:55

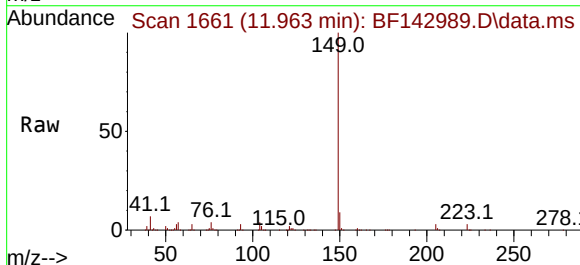
Instrument :
 BNA_F
 ClientSampleId :
 PB168694BS



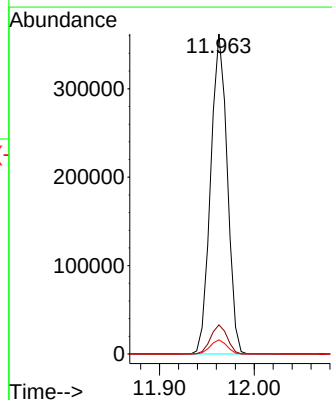
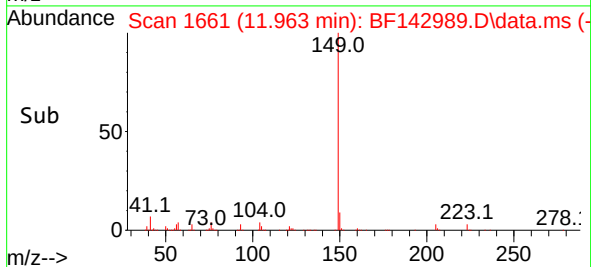
Tgt Ion:167 Resp: 373256
 Ion Ratio Lower Upper
 167 100
 166 20.4 17.0 25.4
 139 12.3 10.2 15.2

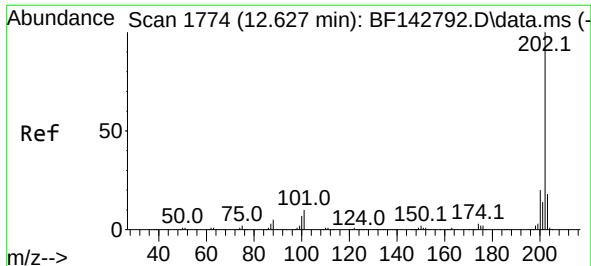


#74
 Di-n-butylphthalate
 Concen: 51.920 ng
 RT: 11.963 min Scan# 1661
 Delta R.T. -0.006 min
 Lab File: BF142989.D
 Acq: 03 Jul 2025 10:55



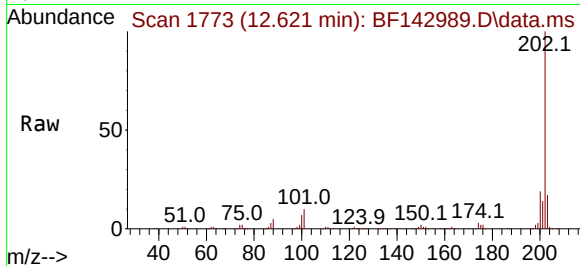
Tgt Ion:149 Resp: 438865
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.4 11.0
 104 4.4 3.5 5.3



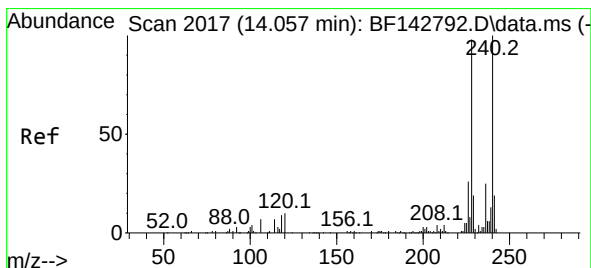
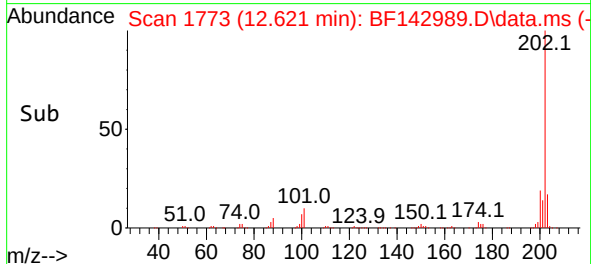
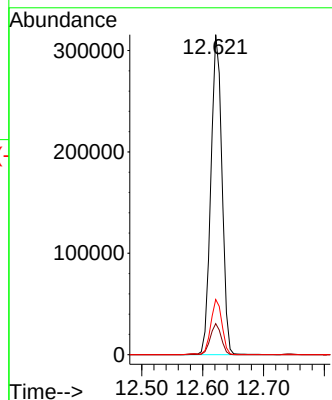


#75
Fluoranthene
Concen: 45.955 ng
RT: 12.621 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

Instrument :
BNA_F
ClientSampleId :
PB168694BS

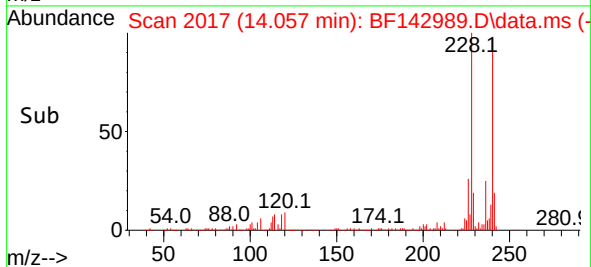
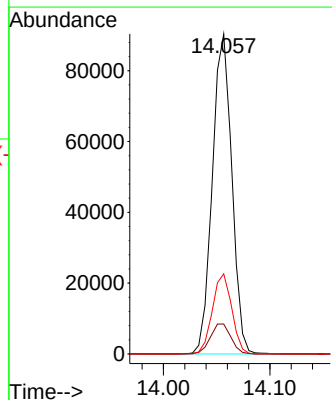
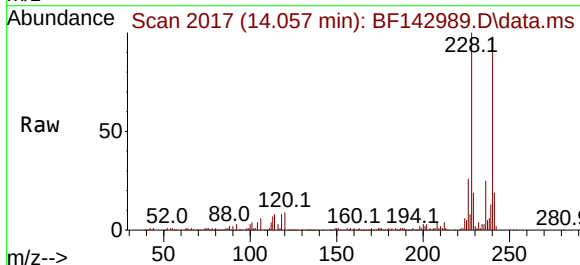


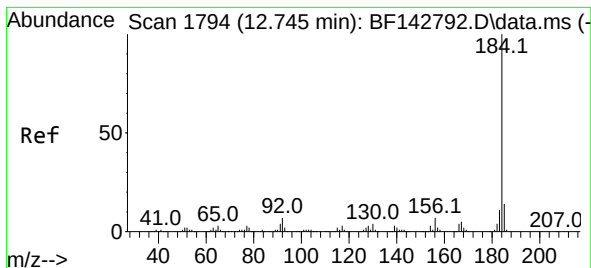
Tgt Ion:202 Resp: 399844
Ion Ratio Lower Upper
202 100
101 9.7 0.0 29.7
203 17.3 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

Tgt Ion:240 Resp: 114618
Ion Ratio Lower Upper
240 100
120 9.4 8.2 12.2
236 25.0 19.8 29.8





#77

Benzidine

Concen: 36.562 ng

RT: 12.745 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

PB168694BS

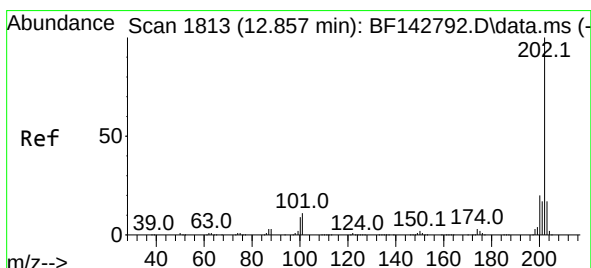
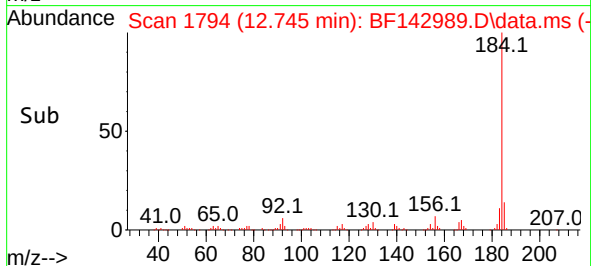
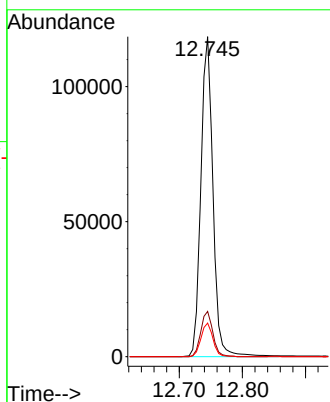
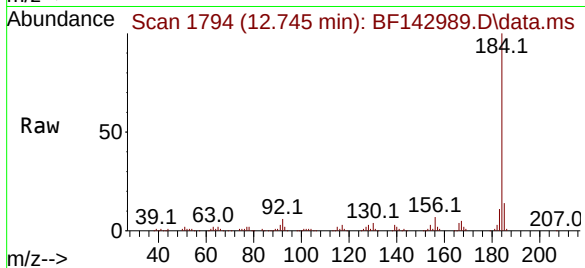
Tgt Ion:184 Resp: 157448

Ion Ratio Lower Upper

184 100

185 14.1 11.5 17.3

183 10.5 9.0 13.4



#78

Pyrene

Concen: 37.354 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

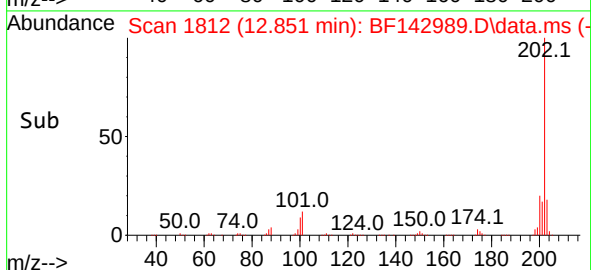
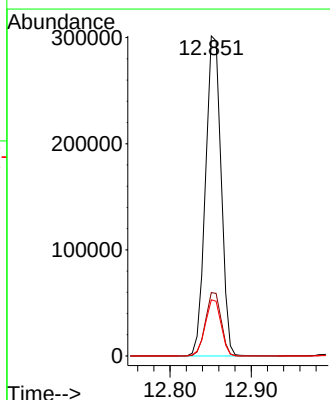
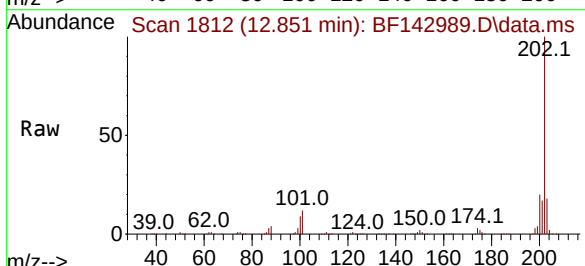
Tgt Ion:202 Resp: 401315

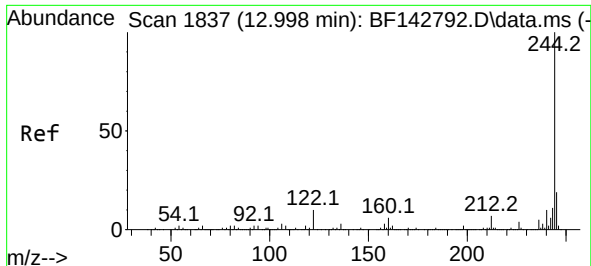
Ion Ratio Lower Upper

202 100

200 19.8 15.7 23.5

203 17.6 13.8 20.6

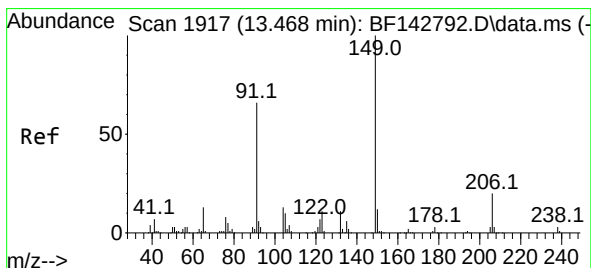
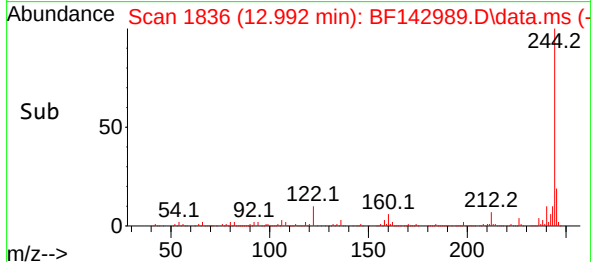
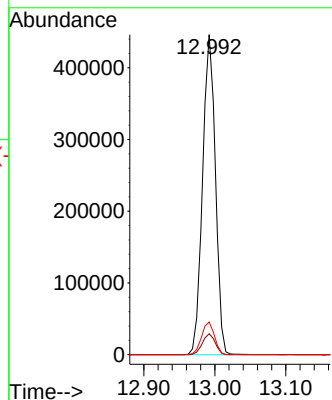
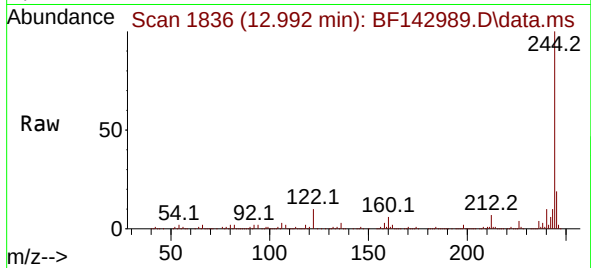




#79
 Terphenyl-d14
 Concen: 67.742 ng
 RT: 12.992 min Scan# 1836
 Delta R.T. -0.006 min
 Lab File: BF142989.D
 Acq: 03 Jul 2025 10:55

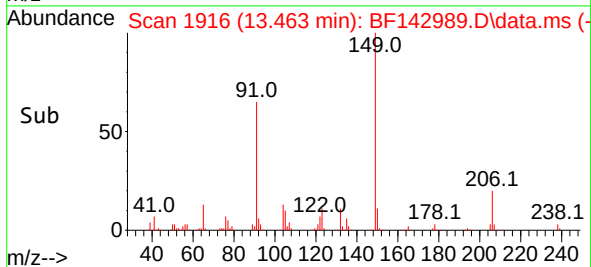
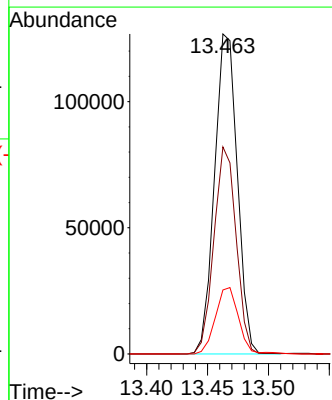
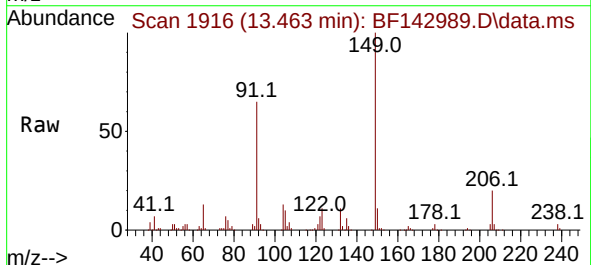
Instrument :
 BNA_F
 ClientSampleId :
 PB168694BS

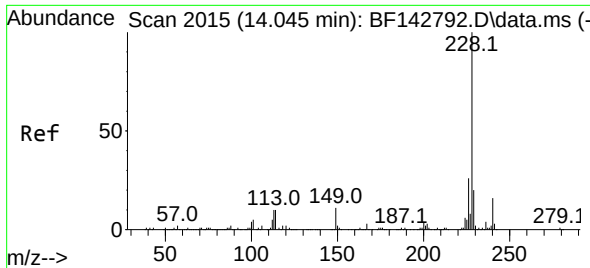
Tgt Ion:244 Resp: 561947
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 10.2 8.2 12.2



#80
 Butylbenzylphthalate
 Concen: 53.089 ng
 RT: 13.463 min Scan# 1916
 Delta R.T. -0.006 min
 Lab File: BF142989.D
 Acq: 03 Jul 2025 10:55

Tgt Ion:149 Resp: 165448
 Ion Ratio Lower Upper
 149 100
 91 64.7 52.9 79.3
 206 20.0 16.3 24.5

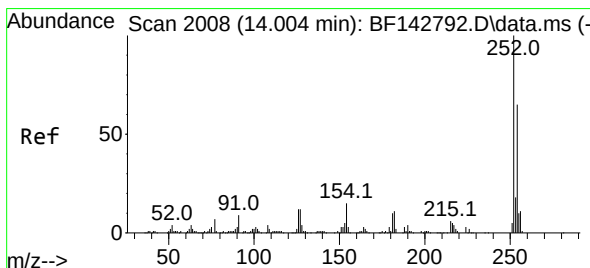
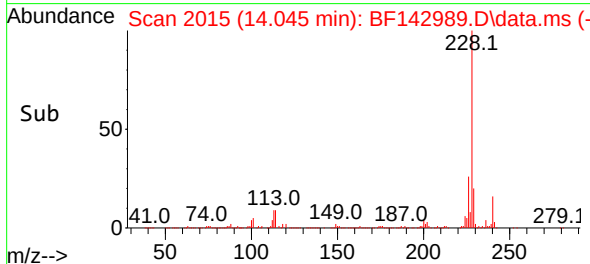
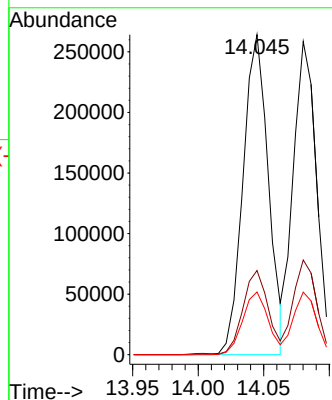
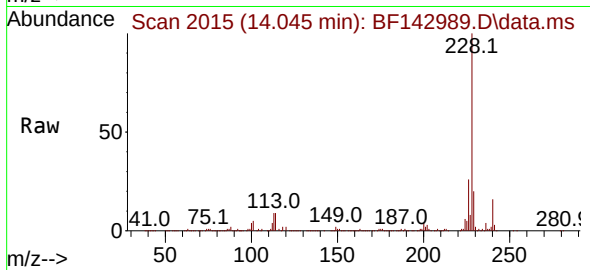




#81
Benzo(a)anthracene
Concen: 45.965 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

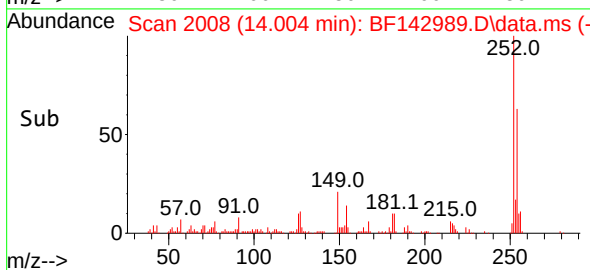
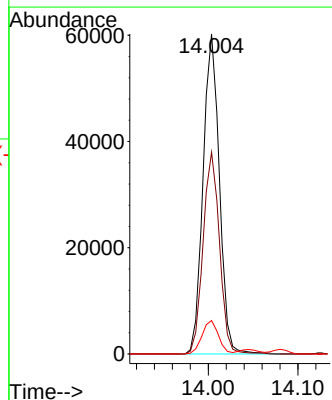
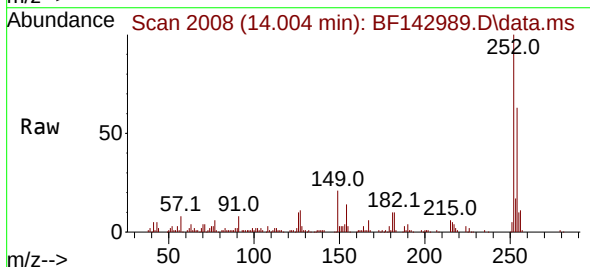
Instrument :
BNA_F
ClientSampleId :
PB168694BS

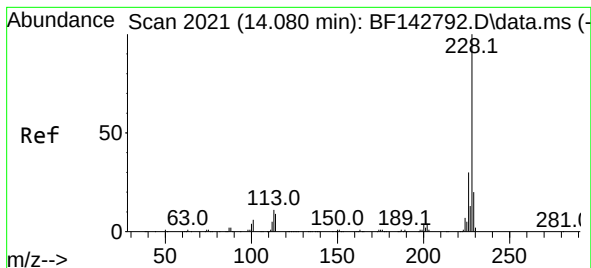
Tgt Ion:228 Resp: 355412
Ion Ratio Lower Upper
228 100
226 26.3 21.2 31.8
229 19.6 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 30.298 ng
RT: 14.004 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

Tgt Ion:252 Resp: 75988
Ion Ratio Lower Upper
252 100
254 63.0 51.7 77.5
126 10.4 9.4 14.2





#83

Chrysene

Concen: 46.140 ng

RT: 14.080 min Scan# 2011

Delta R.T. 0.000 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

PB168694BS

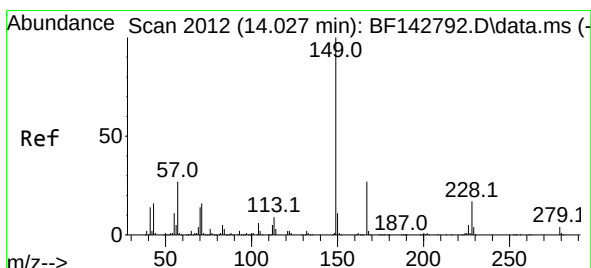
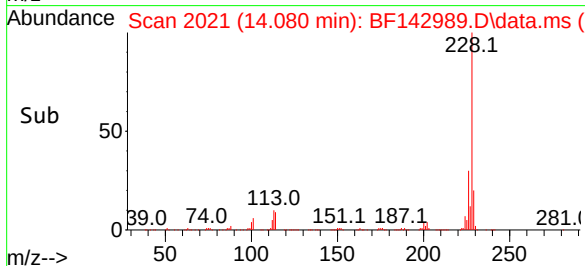
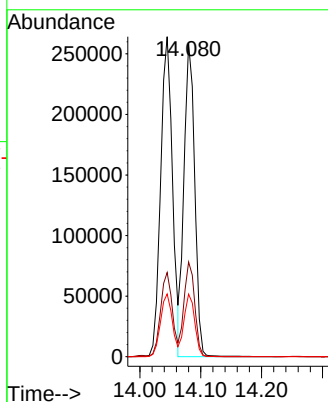
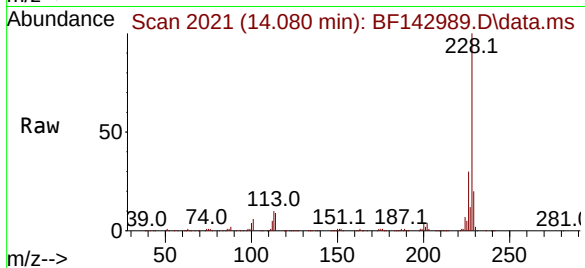
Tgt Ion:228 Resp: 318351

Ion Ratio Lower Upper

228 100

226 30.3 23.7 35.5

229 20.0 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 54.687 ng

RT: 14.021 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

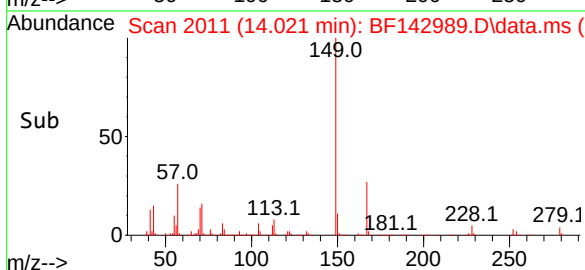
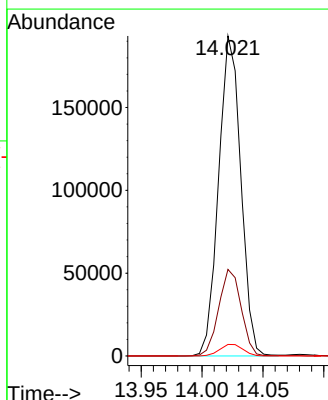
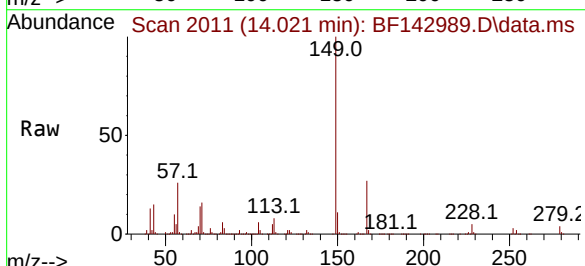
Tgt Ion:149 Resp: 245209

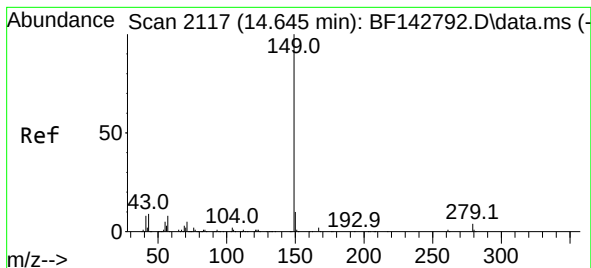
Ion Ratio Lower Upper

149 100

167 27.1 21.4 32.0

279 3.6 3.0 4.6





#85

Di-n-octyl phthalate

Concen: 51.745 ng

RT: 14.639 min Scan# 2116

Delta R.T. -0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

PB168694BS

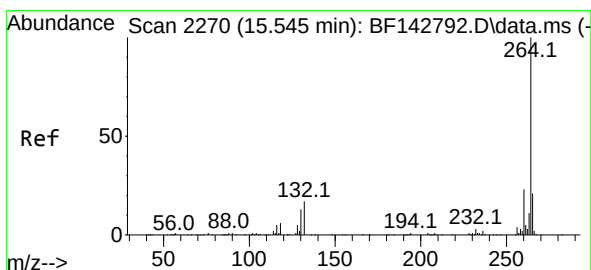
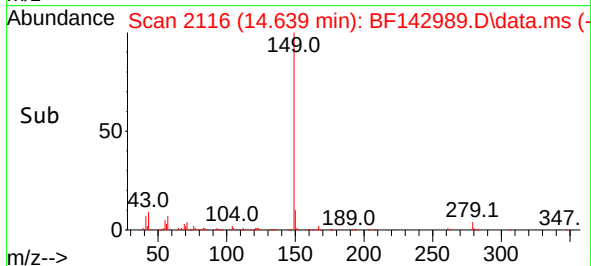
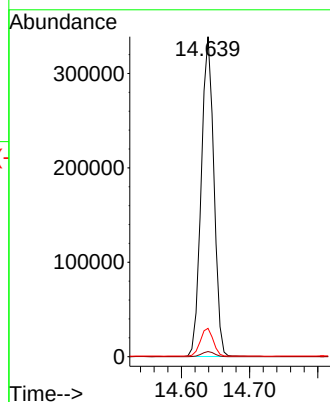
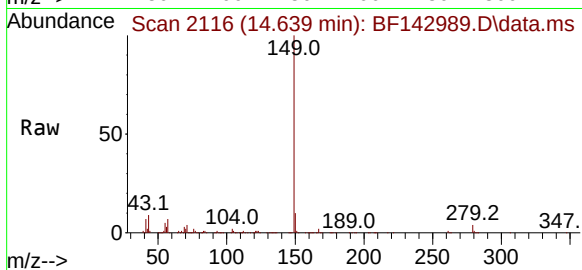
Tgt Ion:149 Resp: 437495

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 8.8 7.6 11.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 2271

Delta R.T. 0.006 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

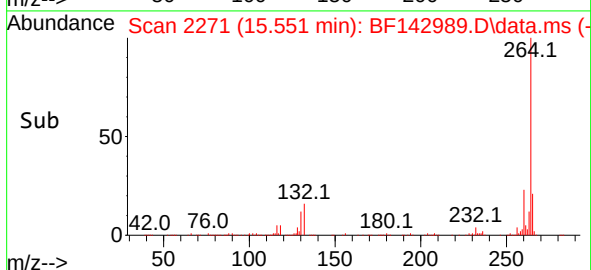
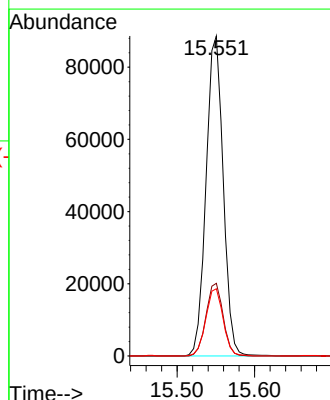
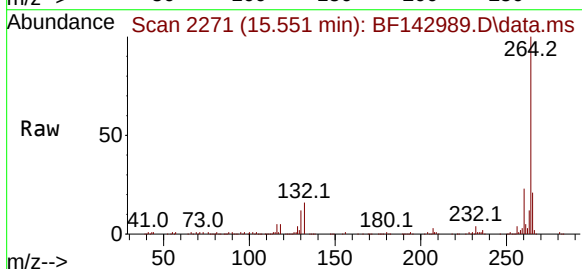
Tgt Ion:264 Resp: 135774

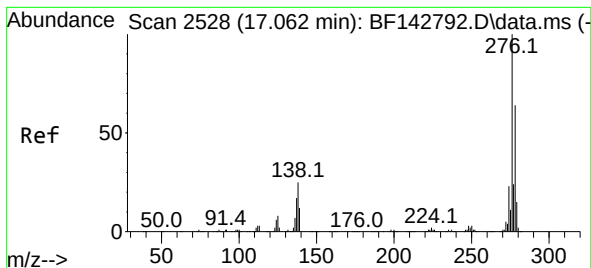
Ion Ratio Lower Upper

264 100

260 22.7 18.1 27.1

265 21.0 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 41.610 ng

RT: 17.074 min Scan# 2196

Delta R.T. 0.012 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

PB168694BS

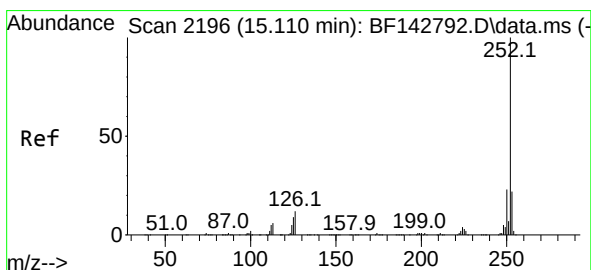
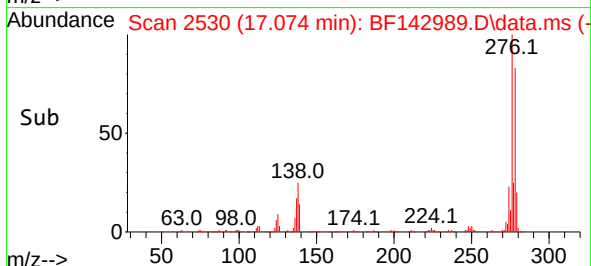
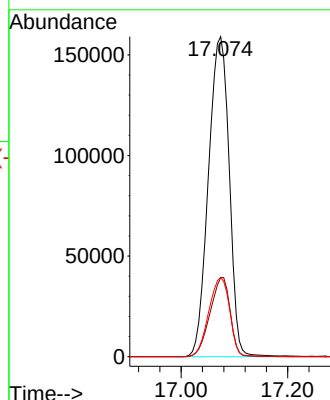
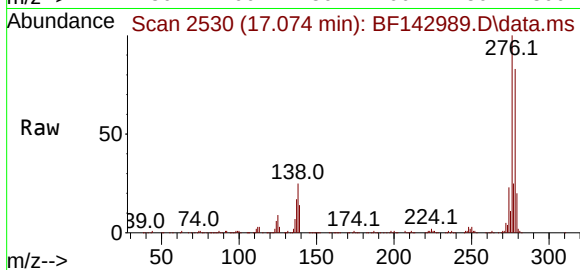
Tgt Ion:276 Resp: 430318

Ion Ratio Lower Upper

276 100

138 24.0 20.2 30.4

277 24.9 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 51.165 ng

RT: 15.109 min Scan# 2196

Delta R.T. -0.000 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

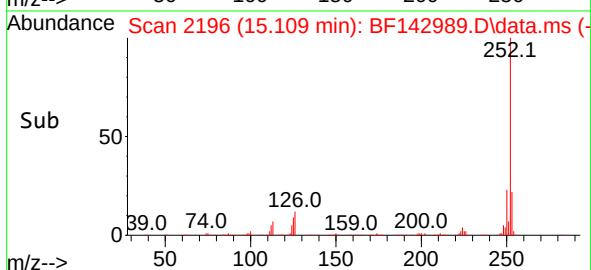
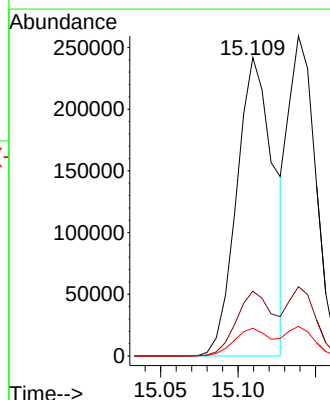
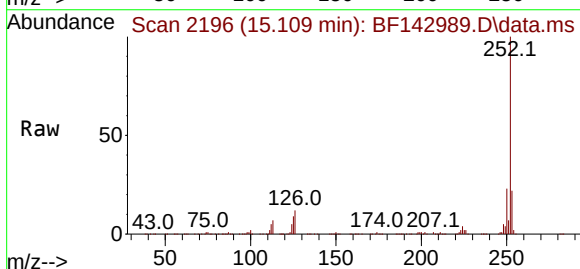
Tgt Ion:252 Resp: 401978

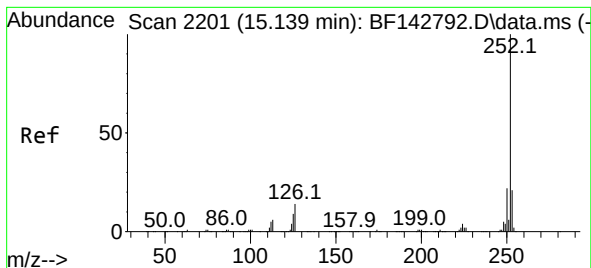
Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

125 9.3 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 43.476 ng

RT: 15.139 min Scan# 2201

Delta R.T. 0.000 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

Instrument :

BNA_F

ClientSampleId :

PB168694BS

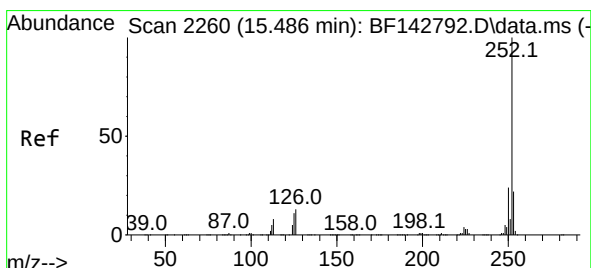
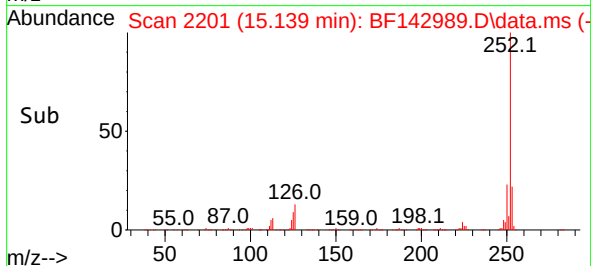
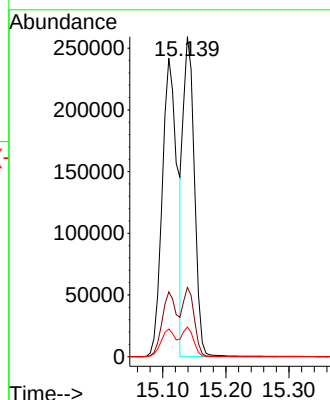
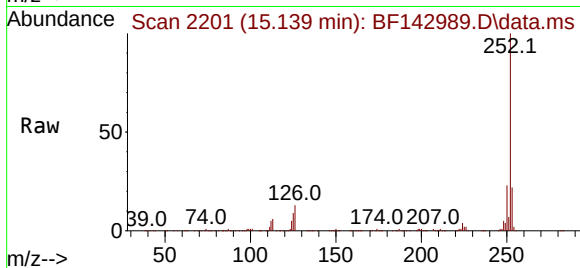
Tgt Ion:252 Resp: 319565

Ion Ratio Lower Upper

252 100

253 21.7 17.2 25.8

125 9.3 7.4 11.2



#90

Benzo(a)pyrene

Concen: 46.752 ng

RT: 15.486 min Scan# 2260

Delta R.T. 0.000 min

Lab File: BF142989.D

Acq: 03 Jul 2025 10:55

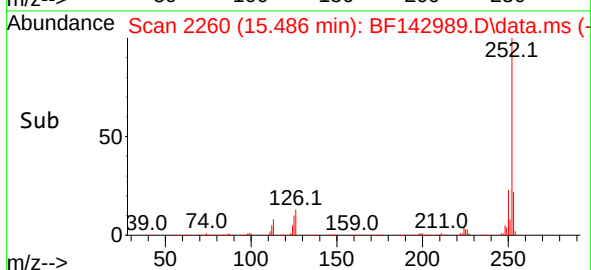
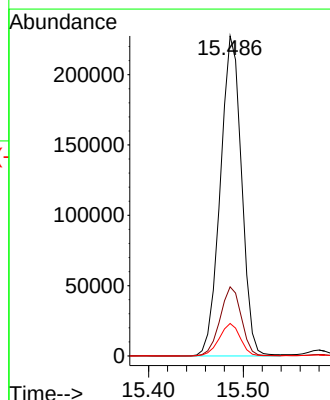
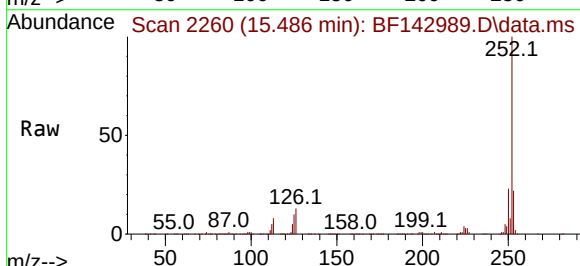
Tgt Ion:252 Resp: 354840

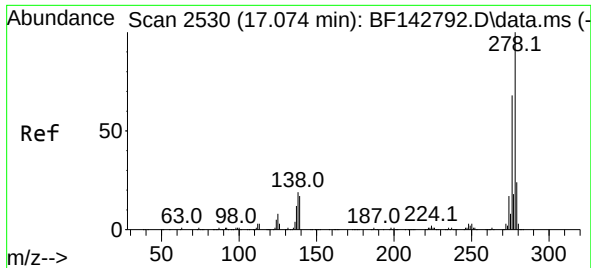
Ion Ratio Lower Upper

252 100

253 21.6 17.5 26.3

125 10.1 8.6 12.8

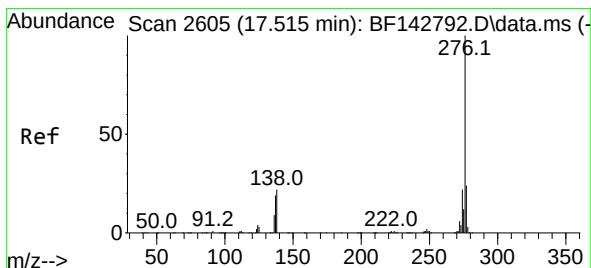
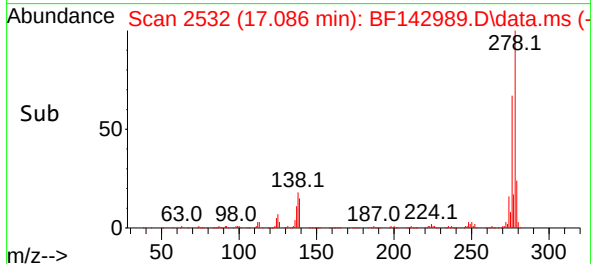
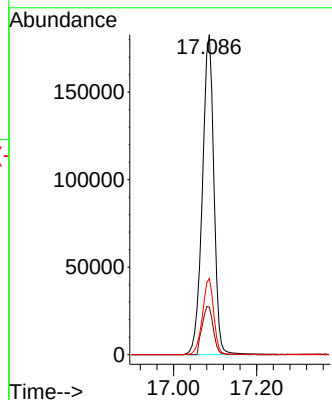
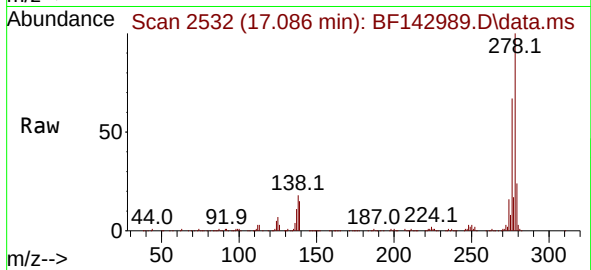




#91
Dibenzo(a,h)anthracene
Concen: 41.967 ng
RT: 17.086 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

Instrument :
BNA_F
ClientSampleId :
PB168694BS

Tgt Ion:278 Resp: 352639
Ion Ratio Lower Upper
278 100
139 14.9 13.5 20.3
279 23.8 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 40.661 ng
RT: 17.533 min Scan# 2608
Delta R.T. 0.018 min
Lab File: BF142989.D
Acq: 03 Jul 2025 10:55

Tgt Ion:276 Resp: 340697
Ion Ratio Lower Upper
276 100
277 23.2 18.8 28.2
138 20.4 17.6 26.4

