

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF093025\
 Data File : BF143849.D
 Acq On : 30 Sep 2025 23:00
 Operator : RC/JU
 Sample : Q3245-09MSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 12-8MSD

Quant Time: Oct 01 02:39:51 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 24 05:00:00 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	124507	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	452928	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	222658	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	322293	20.000	ng	0.00
76) Chrysene-d12	14.057	240	412410	20.000	ng	0.00
86) Perylene-d12	15.533	264	677435	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	817121	106.627	ng	0.00
7) Phenol-d6	6.504	99	970635	109.620	ng	0.00
23) Nitrobenzene-d5	7.446	82	573613	77.522	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	410803	124.606	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1047741	73.431	ng	0.00
79) Terphenyl-d14	12.998	244	1315811	64.887	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.699	88	156809	42.750	ng	95
3) Pyridine	3.463	79	426775	43.104	ng	90
4) n-Nitrosodimethylamine	3.410	42	212446	42.792	ng	# 79
6) Aniline	6.546	93	488908	38.043	ng	99
8) 2-Chlorophenol	6.669	128	369582	47.109	ng	98
9) Benzaldehyde	6.434	77	223005	28.760	ng	98
10) Phenol	6.522	94	492409	47.843	ng	100
11) bis(2-Chloroethyl)ether	6.616	93	368461	45.671	ng	99
12) 1,3-Dichlorobenzene	6.828	146	429159	47.114	ng	98
13) 1,4-Dichlorobenzene	6.904	146	430136	47.318	ng	98
14) 1,2-Dichlorobenzene	7.057	146	410964	47.734	ng	100
15) Benzyl Alcohol	7.022	79	323216	50.518	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	729672	38.142	ng	95
17) 2-Methylphenol	7.128	107	288550	47.507	ng	99
18) Hexachloroethane	7.398	117	145181	45.414	ng	95
19) n-Nitroso-di-n-propyla...	7.293	70	255247	44.828	ng	91
20) 3+4-Methylphenols	7.281	107	345041	46.648	ng	94
22) Acetophenone	7.293	105	517596	52.030	ng	94
24) Nitrobenzene	7.463	77	393700	48.002	ng	97
25) Isophorone	7.704	82	681363	47.254	ng	98
26) 2-Nitrophenol	7.781	139	184346	54.366	ng	94
27) 2,4-Dimethylphenol	7.816	122	333875	51.806	ng	98
28) bis(2-Chloroethoxy)met...	7.916	93	428163	45.705	ng	99
29) 2,4-Dichlorophenol	8.022	162	305138	48.118	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	334796	50.873	ng	99
31) Naphthalene	8.187	128	1005563	46.377	ng	100
32) Benzoic acid	7.910	122	189378	60.904	ng	94
33) 4-Chloroaniline	8.234	127	226104	29.674	ng	99
34) Hexachlorobutadiene	8.304	225	242144	49.357	ng	99
35) Caprolactam	8.598	113	87015	53.684	ng	# 83
36) 4-Chloro-3-methylphenol	8.710	107	288654	48.534	ng	99
37) 2-Methylnaphthalene	8.881	142	590658	42.722	ng	99
38) 1-Methylnaphthalene	8.981	142	605722	45.772	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	358140	53.299	ng	99
41) Hexachlorocyclopentadiene	9.034	237	523170	122.851	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	218066	51.828	ng	99

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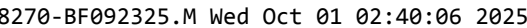
Instrument :
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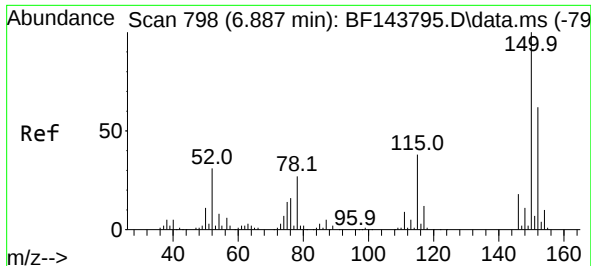
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	218987	49.759	ng	98
46) 1,1'-Biphenyl	9.345	154	836520	51.901	ng	99
47) 2-Chloronaphthalene	9.369	162	600904	46.317	ng	100
48) 2-Nitroaniline	9.463	65	222456	56.732	ng	98
49) Acenaphthylene	9.787	152	949993	53.190	ng	100
50) Dimethylphthalate	9.645	163	659437	48.592	ng	99
51) 2,6-Dinitrotoluene	9.704	165	140111	62.838	ng	92
52) Acenaphthene	9.957	154	562435	47.853	ng	100
53) 3-Nitroaniline	9.869	138	108963	40.316	ng	97
54) 2,4-Dinitrophenol	9.975	184	83101	84.131	ng	# 45
55) Dibenzofuran	10.128	168	783613	47.148	ng	99
56) 4-Nitrophenol	10.028	139	208161	95.578	ng	90
57) 2,4-Dinitrotoluene	10.104	165	178186	53.485	ng	95
58) Fluorene	10.475	166	578760	46.841	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	213937	56.745	ng	92
60) Diethylphthalate	10.345	149	597546	47.037	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	302404	48.034	ng	96
62) 4-Nitroaniline	10.486	138	134179	52.800	ng	95
63) Azobenzene	10.628	77	658060	49.151	ng	90
65) 4,6-Dinitro-2-methylph...	10.510	198	69712	56.257	ng	85
66) n-Nitrosodiphenylamine	10.581	169	551875	52.068	ng	98
67) 4-Bromophenyl-phenylether	10.957	248	306762	55.852	ng	96
68) Hexachlorobenzene	11.022	284	442496	58.461	ng	# 94
69) Atrazine	11.110	200	160845	52.404	ng	96
70) Pentachlorophenol	11.216	266	431415	114.503	ng	100
71) Phenanthrene	11.439	178	798108	48.234	ng	100
72) Anthracene	11.486	178	810938	48.859	ng	99
73) Carbazole	11.639	167	695238	47.909	ng	100
74) Di-n-butylphthalate	11.975	149	770069	46.141	ng	100
75) Fluoranthene	12.628	202	804136	48.320	ng	99
77) Benzidine	12.745	184	415447	41.340	ng	99
78) Pyrene	12.857	202	829609	40.916	ng	100
80) Butylbenzylphthalate	13.475	149	313091	44.633	ng	95
81) Benzo(a)anthracene	14.045	228	1051489	47.460	ng	100
82) 3,3'-Dichlorobenzidine	14.010	252	373829	38.948	ng	99
83) Chrysene	14.086	228	1013208	50.540	ng	100
84) Bis(2-ethylhexyl)phtha...	14.033	149	412233	40.092	ng	99
85) Di-n-octyl phthalate	14.651	149	824023	44.180	ng	# 93
87) Indeno(1,2,3-cd)pyrene	17.033	276	2417048	47.025	ng	98
88) Benzo(b)fluoranthene	15.104	252	1700931	49.305	ng	99
89) Benzo(k)fluoranthene	15.133	252	1662419	47.965	ng	99
90) Benzo(a)pyrene	15.474	252	1662808	51.277	ng	99
91) Dibenzo(a,h)anthracene	17.051	278	1982526	47.158	ng	99
92) Benzo(g,h,i)perylene	17.486	276	1866318	46.053	ng	98

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

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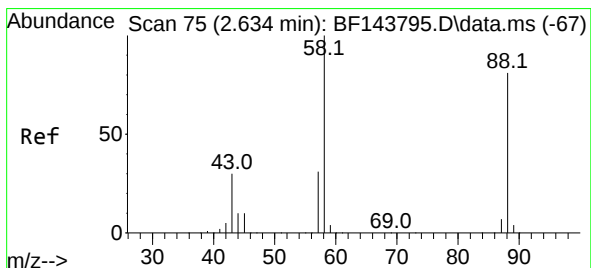
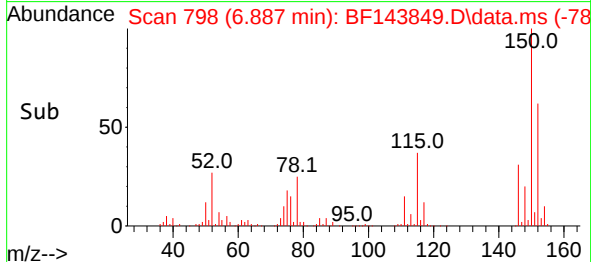
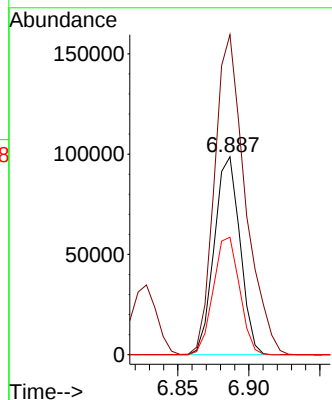
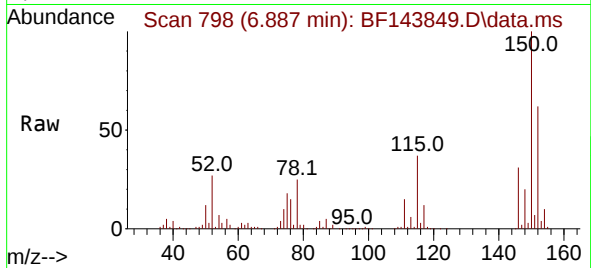




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.887 min Scan# 79
 Delta R.T. -0.000 min
 Lab File: BF143849.D
 Acq: 30 Sep 2025 23:00

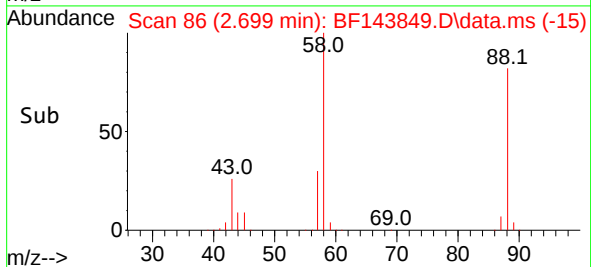
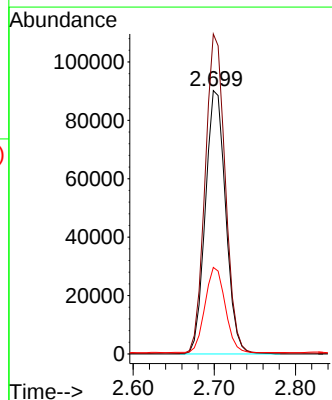
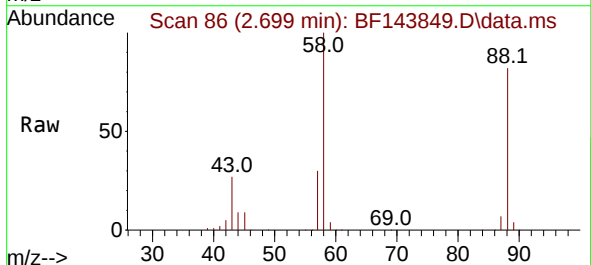
Instrument :
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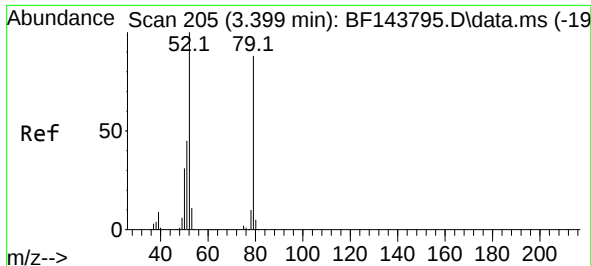
Tgt Ion:152 Resp: 124507
 Ion Ratio Lower Upper
 152 100
 150 161.6 129.6 194.4
 115 59.3 49.0 73.4



#2
 1,4-Dioxane
 Concen: 42.750 ng
 RT: 2.699 min Scan# 86
 Delta R.T. 0.065 min
 Lab File: BF143849.D
 Acq: 30 Sep 2025 23:00

Tgt Ion: 88 Resp: 156809
 Ion Ratio Lower Upper
 88 100
 58 119.8 99.4 149.2
 43 32.2 30.6 45.8





#3

Pyridine

Concen: 43.104 ng

RT: 3.463 min Scan# 21

Delta R.T. 0.065 min

Lab File: BF143849.D

Acq: 30 Sep 2025 23:00

Instrument :

BNA_F

ClientSampleId :

12-8MSD

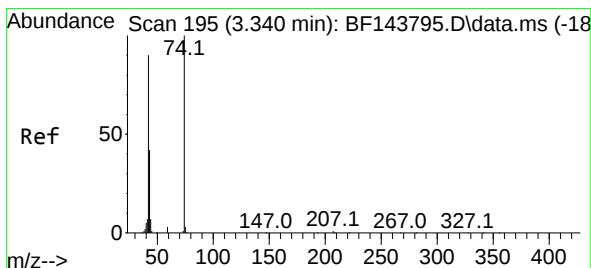
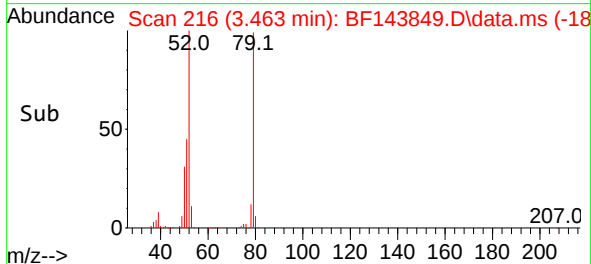
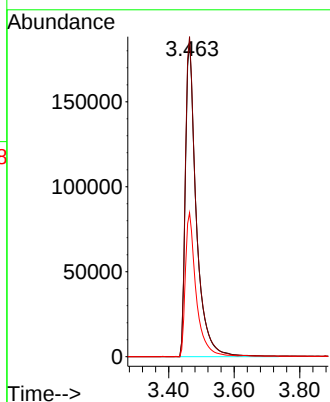
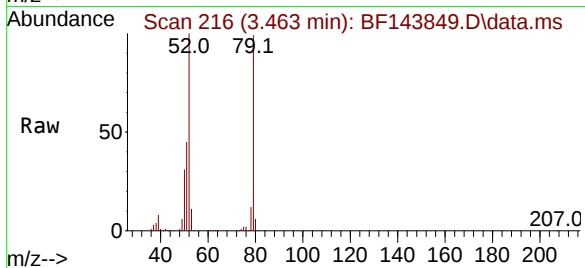
Tgt Ion: 79 Resp: 426775

Ion Ratio Lower Upper

79 100

52 101.4 90.5 135.7

51 45.6 40.6 61.0



#4

n-Nitrosodimethylamine

Concen: 42.792 ng

RT: 3.410 min Scan# 207

Delta R.T. 0.053 min

Lab File: BF143849.D

Acq: 30 Sep 2025 23:00

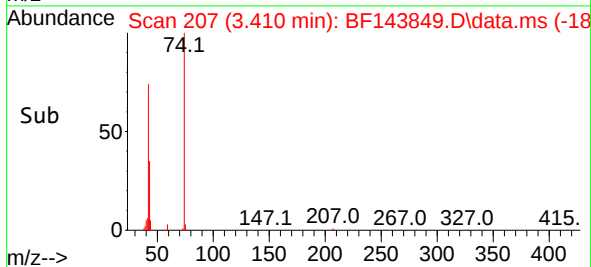
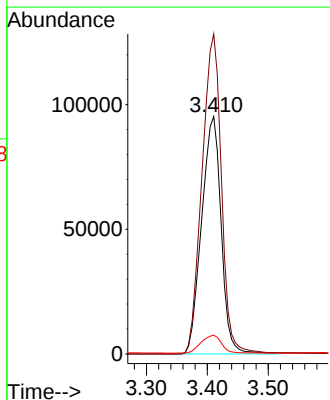
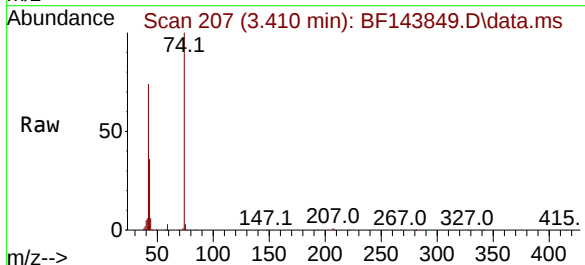
Tgt Ion: 42 Resp: 212446

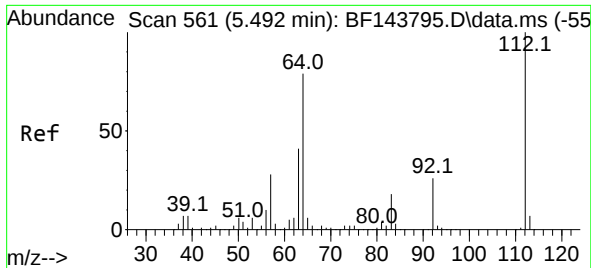
Ion Ratio Lower Upper

42 100

74 134.8 89.1 133.7#

44 7.9 6.4 9.6

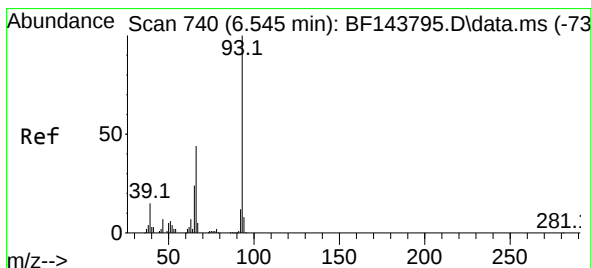
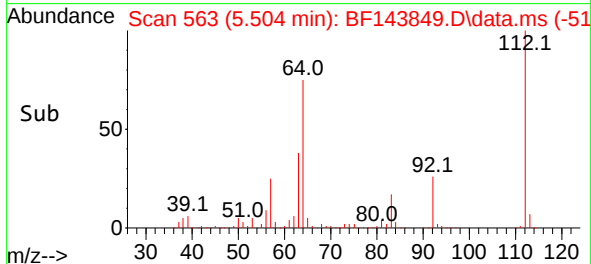
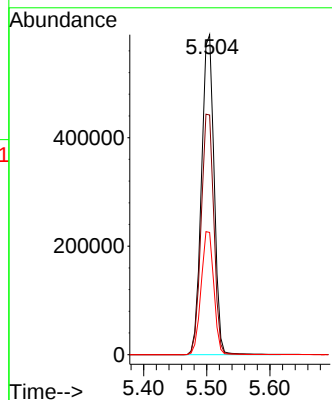
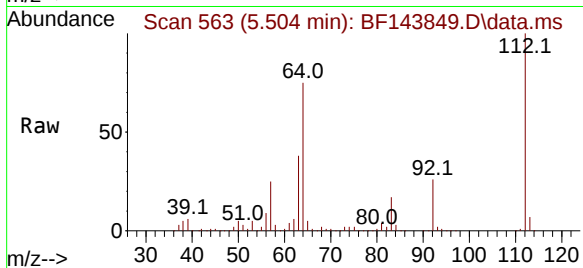




#5
2-Fluorophenol
Concen: 106.627 ng
RT: 5.504 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

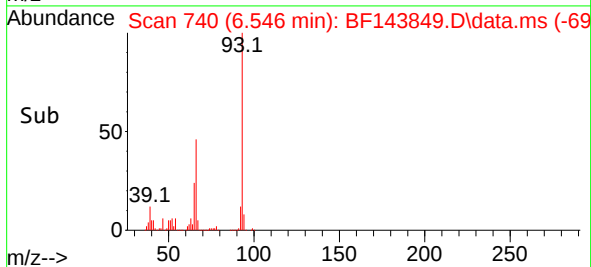
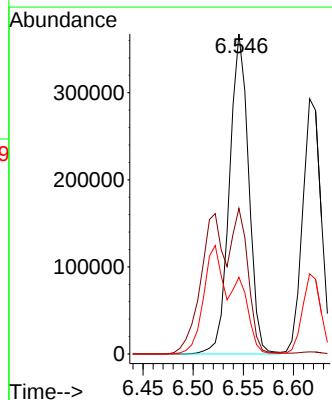
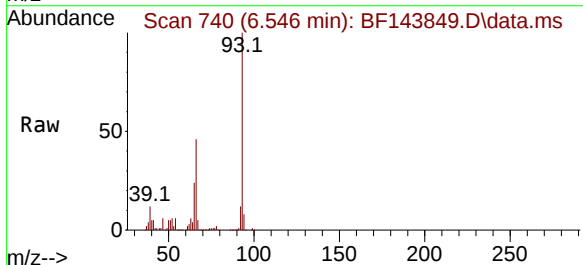
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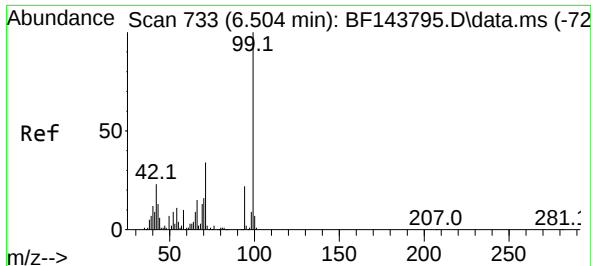
Tgt Ion:112 Resp: 817121
Ion Ratio Lower Upper
112 100
64 74.9 63.0 94.4
63 38.2 32.6 49.0



#6
Aniline
Concen: 38.043 ng
RT: 6.546 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

Tgt Ion: 93 Resp: 488908
Ion Ratio Lower Upper
93 100
66 45.5 37.1 55.7
65 23.9 19.4 29.0





#7
Phenol-d6
Concen: 109.620 ng
RT: 6.504 min Scan# 711
Delta R.T. -0.006 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

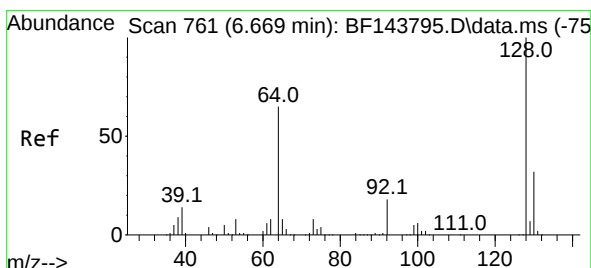
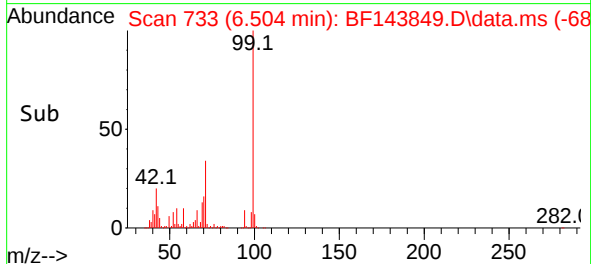
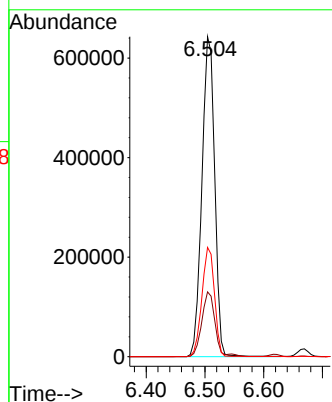
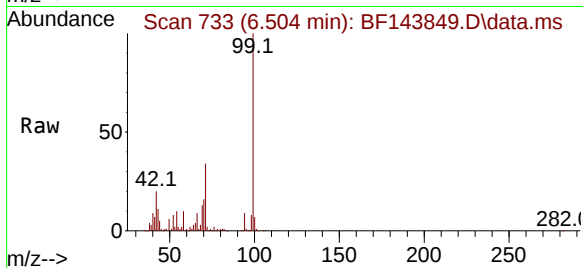
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ClientSampleId :

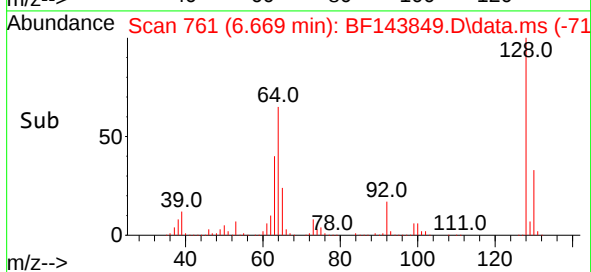
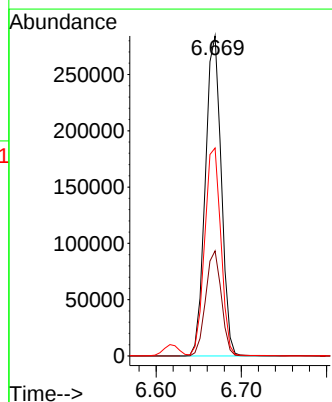
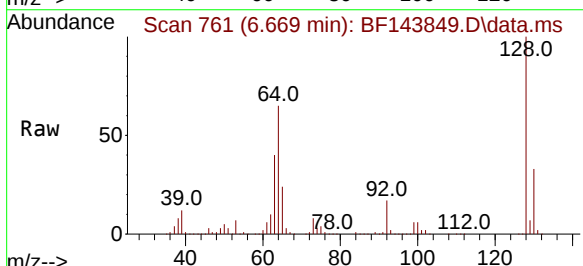
12-8MSD

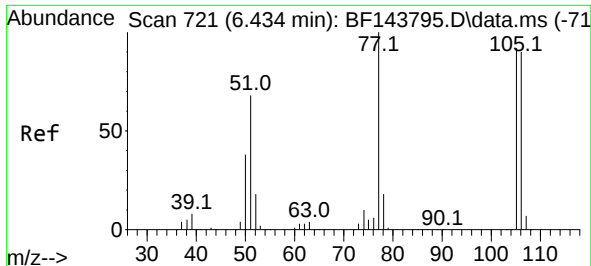
Tgt Ion: 99 Resp: 970635
Ion Ratio Lower Upper
99 100
42 20.2 18.6 28.0
71 34.2 27.0 40.4



#8
2-Chlorophenol
Concen: 47.109 ng
RT: 6.669 min Scan# 761
Delta R.T. 0.000 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

Tgt Ion:128 Resp: 369582
Ion Ratio Lower Upper
128 100
130 32.9 12.2 52.2
64 65.0 46.5 86.5

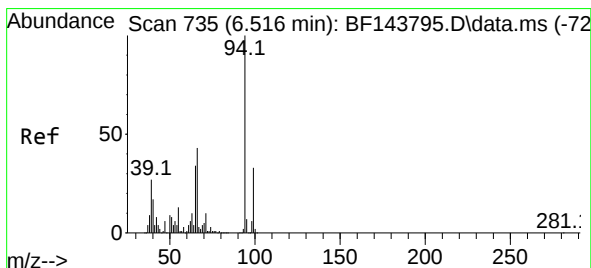
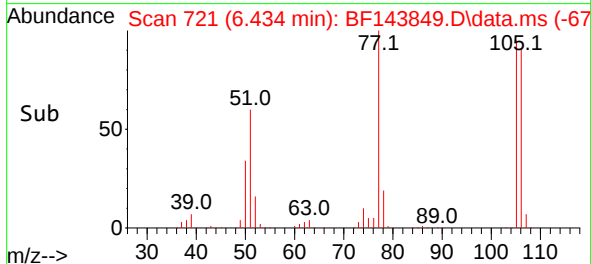
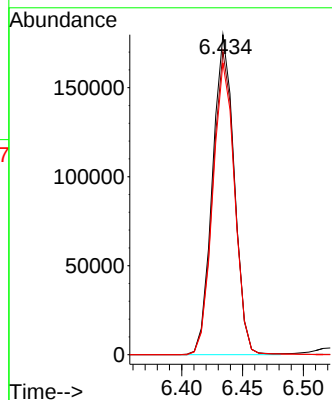
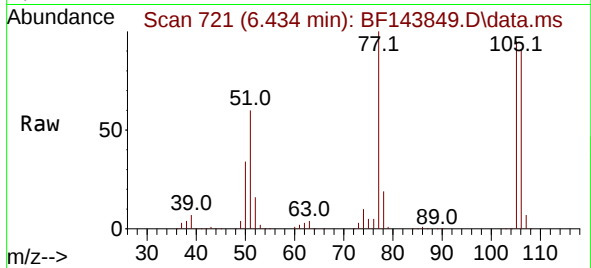




#9
Benzaldehyde
Concen: 28.760 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

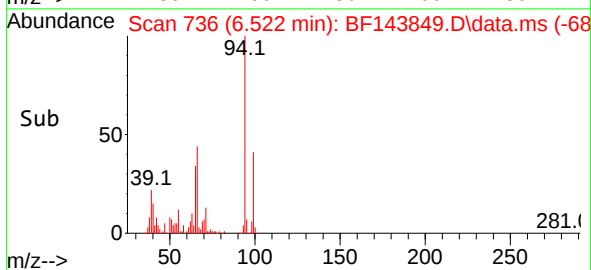
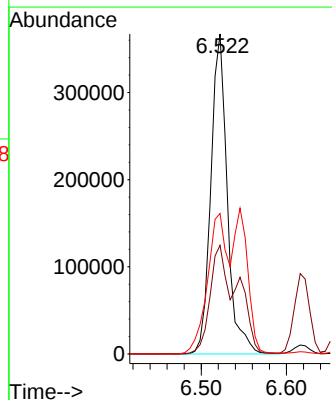
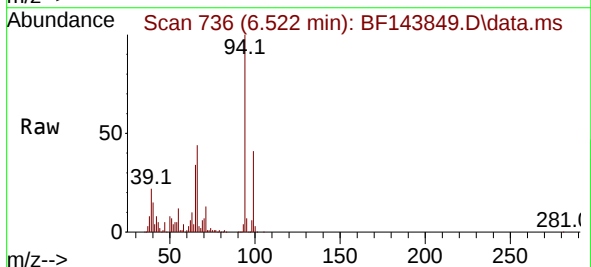
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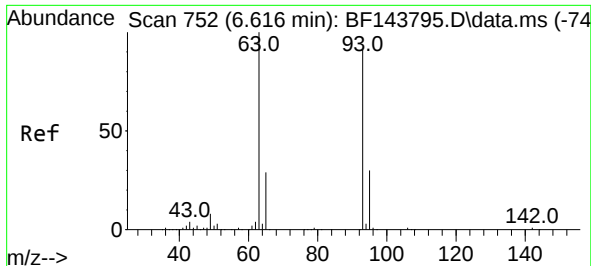
Tgt Ion: 77 Resp: 223005
Ion Ratio Lower Upper
77 100
105 94.7 71.8 111.8
106 91.1 69.8 109.8



#10
Phenol
Concen: 47.843 ng
RT: 6.522 min Scan# 736
Delta R.T. -0.006 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

Tgt Ion: 94 Resp: 492409
Ion Ratio Lower Upper
94 100
65 34.0 14.2 54.2
66 43.9 24.1 64.1





#11

bis(2-Chloroethyl)ether

Concen: 45.671 ng

RT: 6.616 min Scan# 752

Delta R.T. -0.006 min

Lab File: BF143849.D

Acq: 30 Sep 2025 23:00

Instrument :

BNA_F

ClientSampleId :

12-8MSD

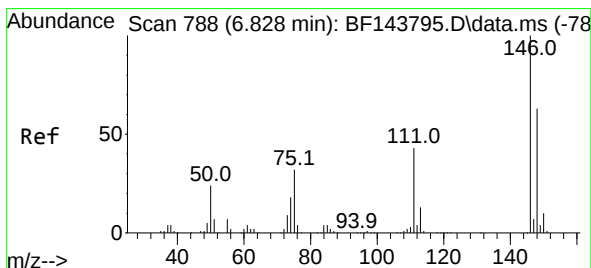
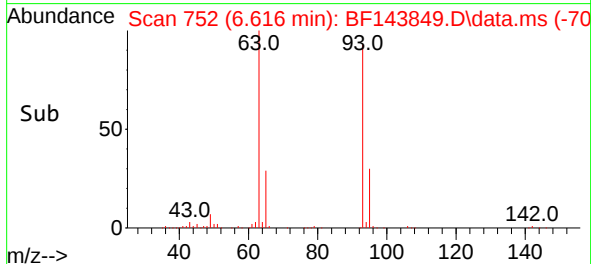
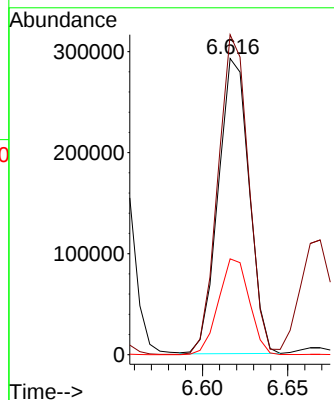
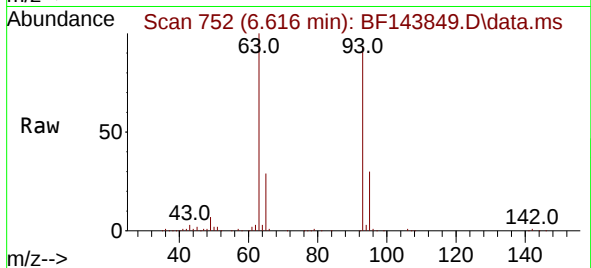
Tgt Ion: 93 Resp: 368461

Ion Ratio Lower Upper

93 100

63 108.1 89.2 129.2

95 32.3 12.9 52.9



#12

1,3-Dichlorobenzene

Concen: 47.114 ng

RT: 6.828 min Scan# 788

Delta R.T. 0.000 min

Lab File: BF143849.D

Acq: 30 Sep 2025 23:00

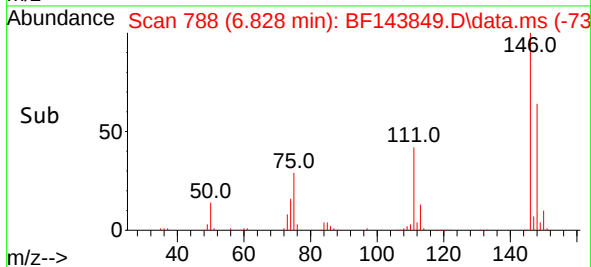
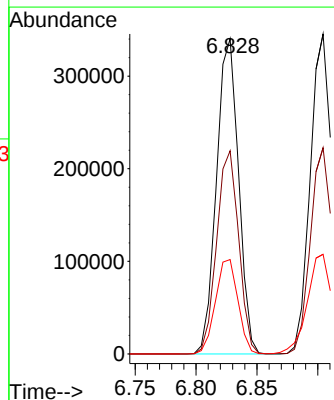
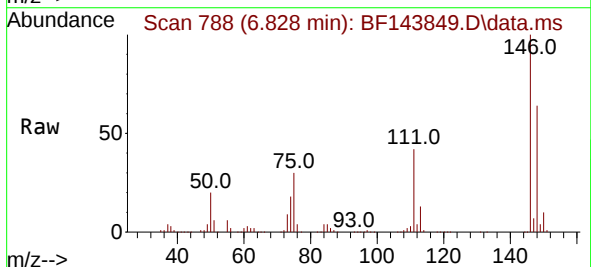
Tgt Ion:146 Resp: 429159

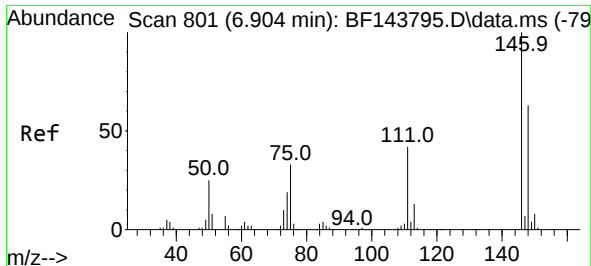
Ion Ratio Lower Upper

146 100

148 64.4 50.4 75.6

75 29.9 25.6 38.4

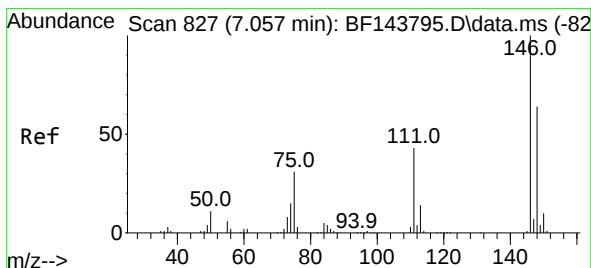
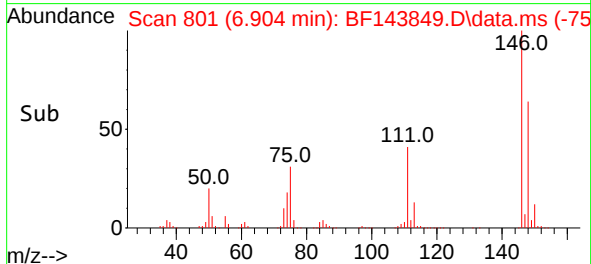
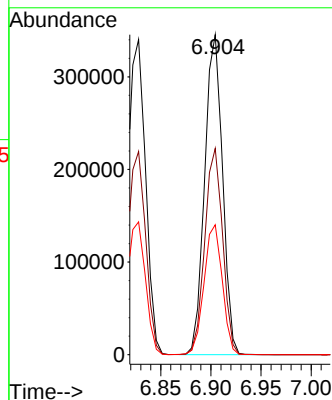
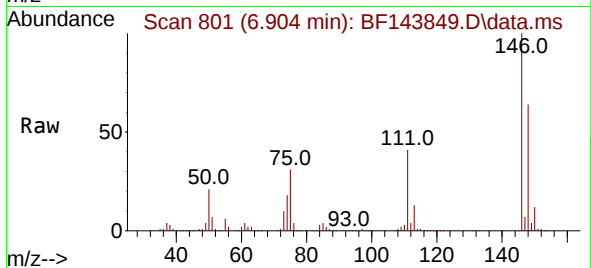




#13
1,4-Dichlorobenzene
Concen: 47.318 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

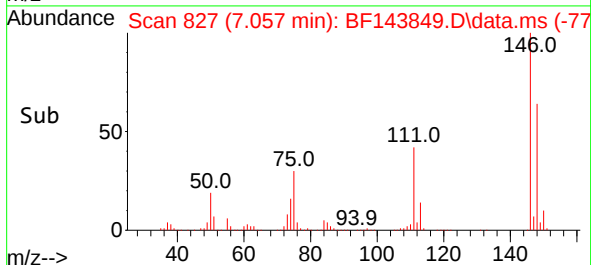
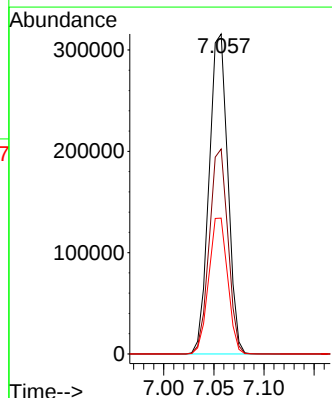
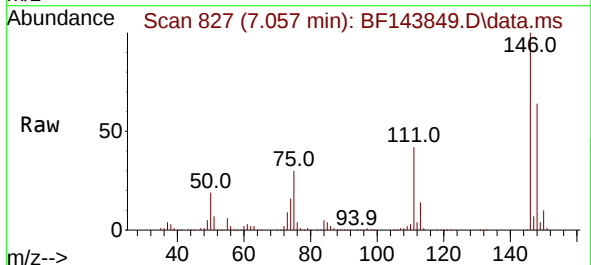
Instrument :
BNA_F
ClientSampleId :
12-8MSD

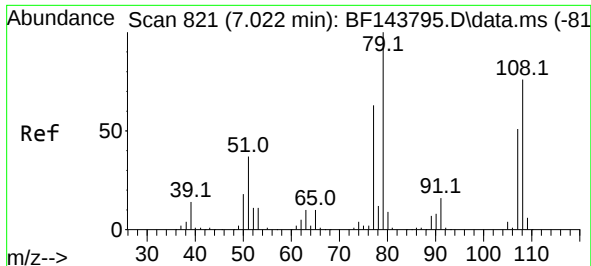
Tgt Ion:146 Resp: 430136
Ion Ratio Lower Upper
146 100
148 64.5 50.7 76.1
111 40.6 33.4 50.2



#14
1,2-Dichlorobenzene
Concen: 47.734 ng
RT: 7.057 min Scan# 827
Delta R.T. 0.000 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

Tgt Ion:146 Resp: 410964
Ion Ratio Lower Upper
146 100
148 64.1 51.1 76.7
111 42.5 34.3 51.5

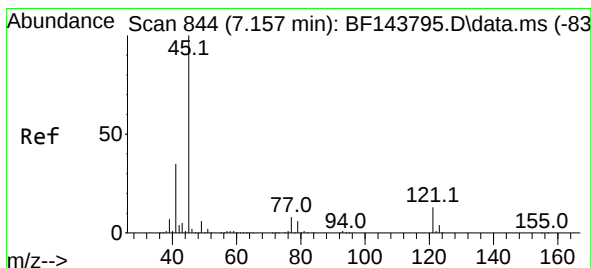
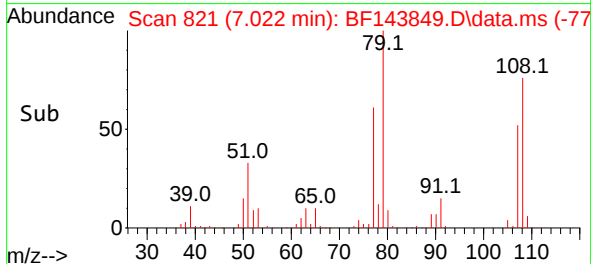
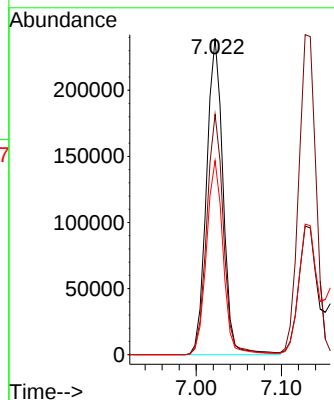
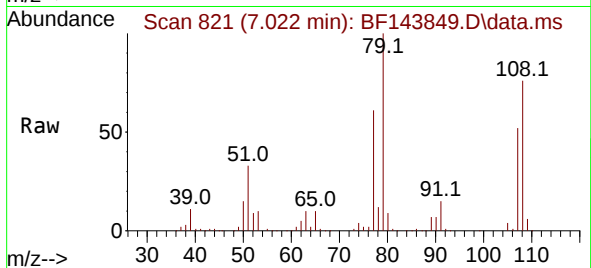




#15
Benzyl Alcohol
Concen: 50.518 ng
RT: 7.022 min Scan# 821
Delta R.T. -0.006 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

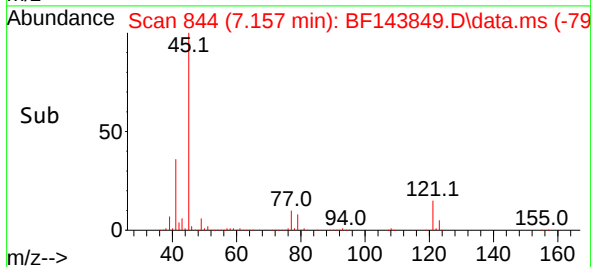
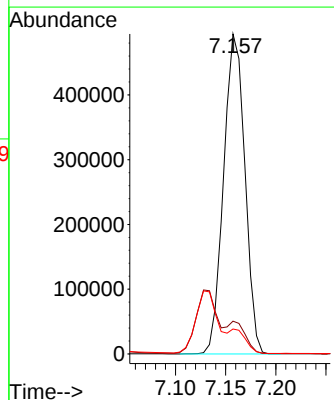
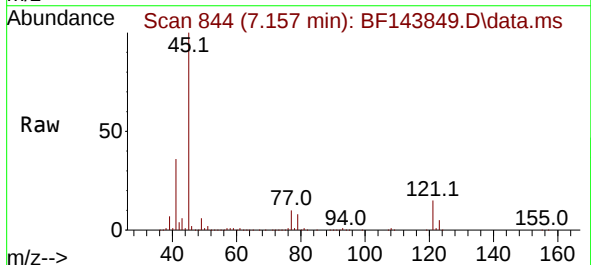
Instrument :
BNA_F
ClientSampleId :
12-8MSD

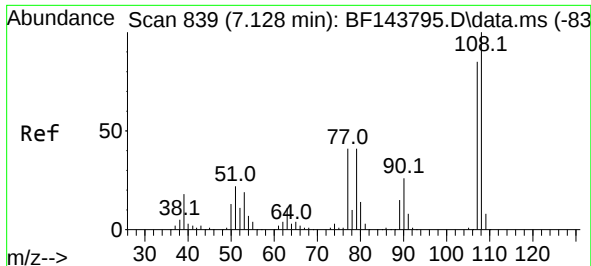
Tgt Ion: 79 Resp: 323216
Ion Ratio Lower Upper
79 100
108 76.0 60.5 90.7
77 61.3 50.3 75.5



#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.142 ng
RT: 7.157 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

Tgt Ion: 45 Resp: 729672
Ion Ratio Lower Upper
45 100
77 10.2 0.0 28.5
79 7.8 0.0 26.3

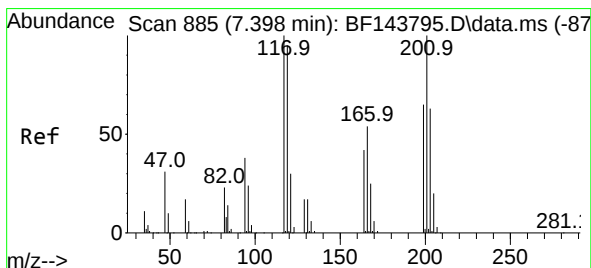
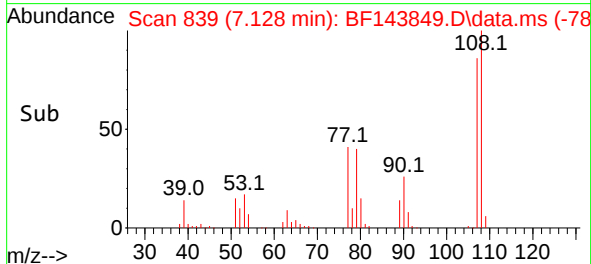
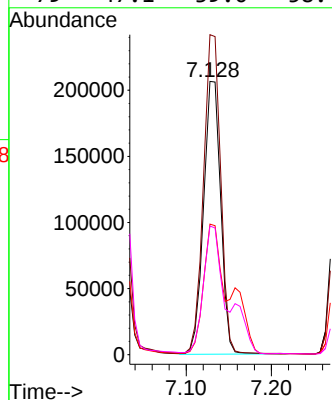
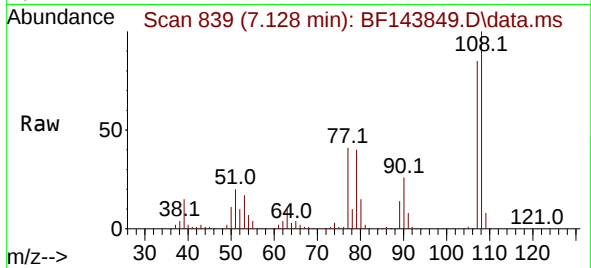




#17
2-Methylphenol
Concen: 47.507 ng
RT: 7.128 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

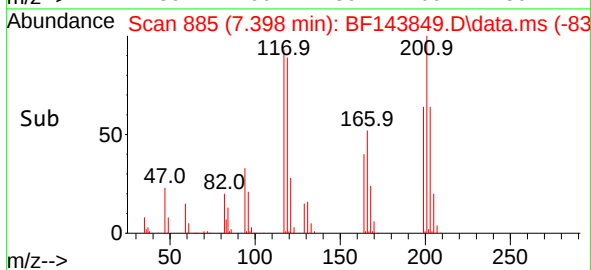
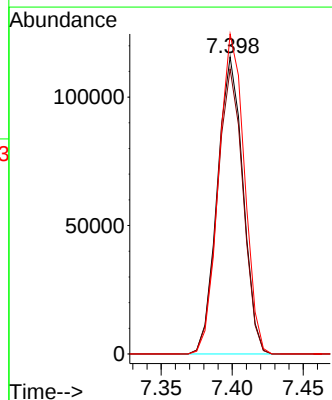
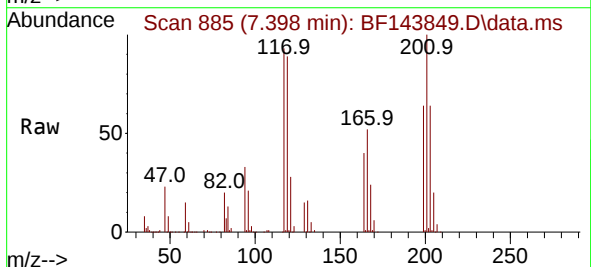
Instrument :
BNA_F
ClientSampleId :
12-8MSD

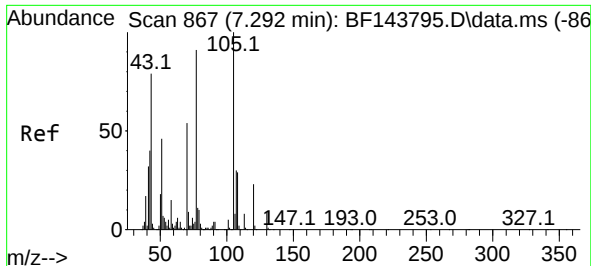
Tgt Ion:107 Resp: 288550
Ion Ratio Lower Upper
107 100
108 117.1 94.2 141.4
77 47.8 38.6 58.0
79 47.1 39.0 58.4



#18
Hexachloroethane
Concen: 45.414 ng
RT: 7.398 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

Tgt Ion:117 Resp: 145181
Ion Ratio Lower Upper
117 100
119 95.9 76.2 114.2
201 107.7 79.7 119.5



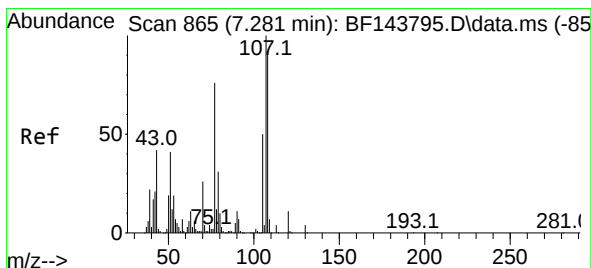
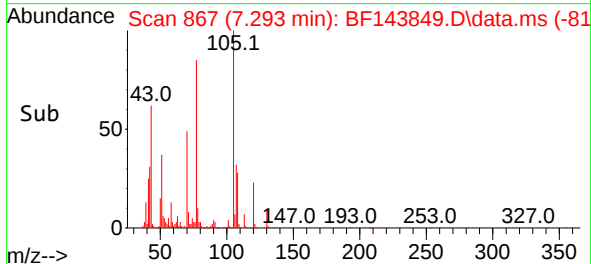
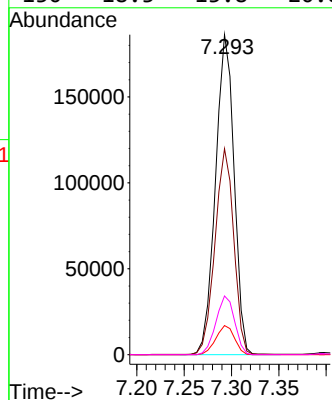
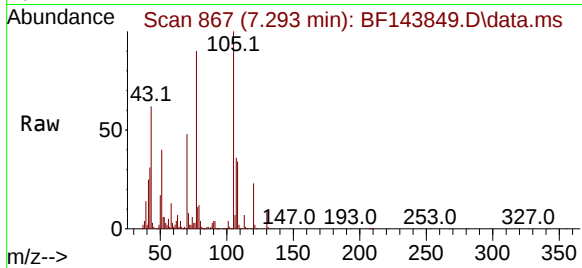


#19
n-Nitroso-di-n-propylamine
Concen: 44.828 ng
RT: 7.293 min Scan# 867
Delta R.T. -0.012 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

Instrument :
BNA_F
ClientSampleId :
12-8MSD

Tgt Ion: 70 Resp: 255247

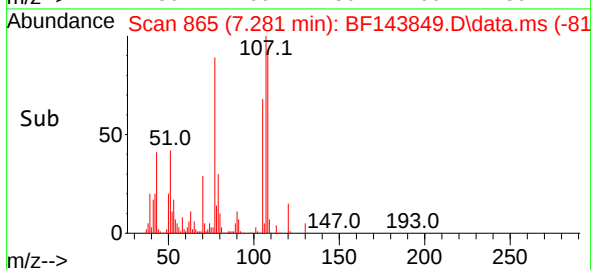
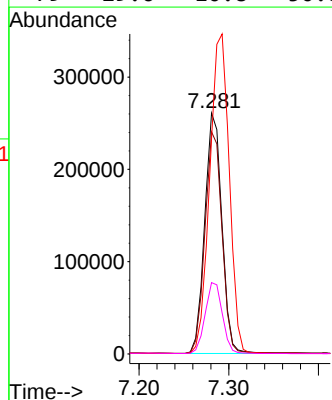
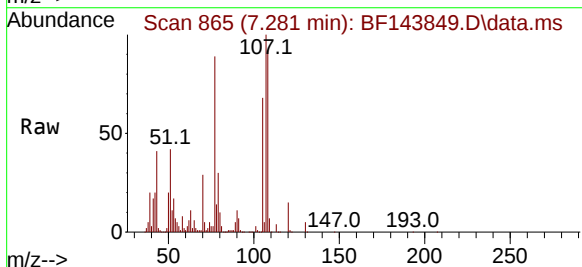
Ion	Ratio	Lower	Upper
70	100		
42	64.3	59.4	89.0
101	9.1	7.1	10.7
130	18.3	13.8	20.8

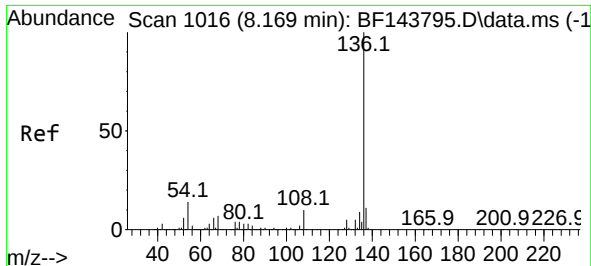


#20
3+4-Methylphenols
Concen: 46.648 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.006 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

Tgt Ion: 107 Resp: 345041

Ion	Ratio	Lower	Upper
107	100		
108	92.2	72.5	112.5
77	89.4	56.2	96.2
79	29.6	10.8	50.8

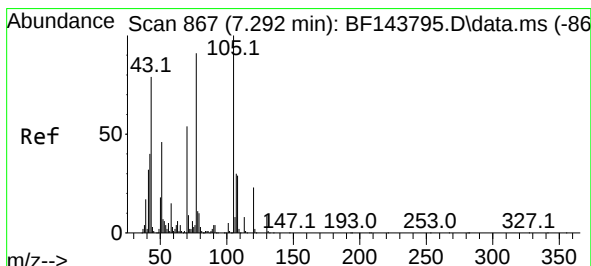
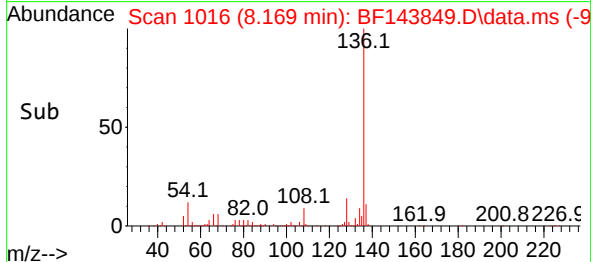
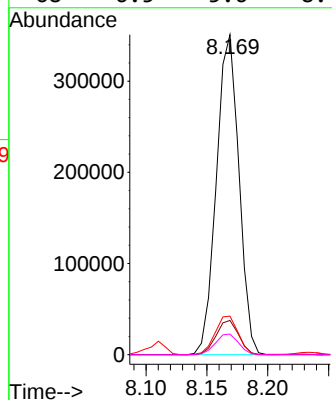
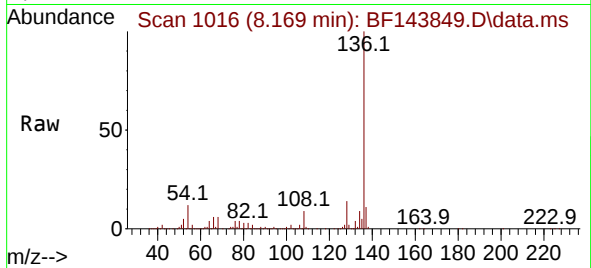




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1016
Delta R.T. -0.000 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

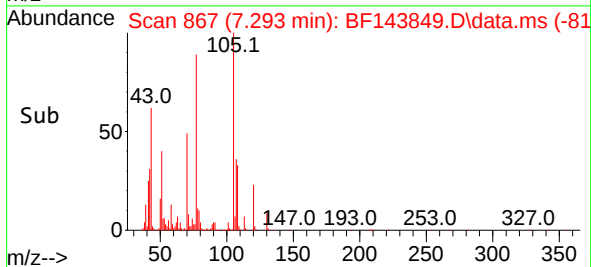
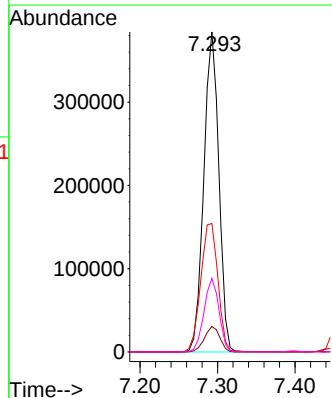
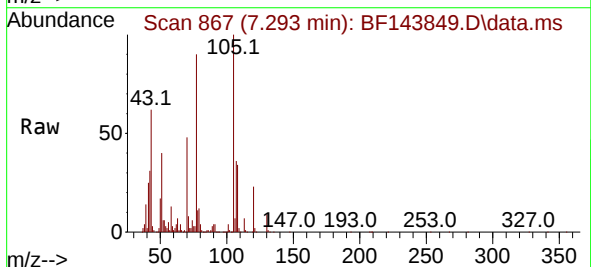
Instrument :
BNA_F
ClientSampleId :
12-8MSD

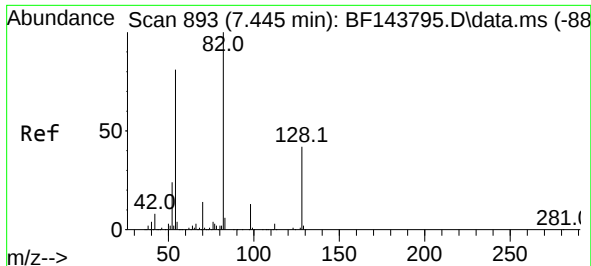
Tgt Ion:	136	Resp:	452928
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.4
54	12.0	11.2	16.8
68	6.5	5.6	8.4



#22
Acetophenone
Concen: 52.030 ng
RT: 7.293 min Scan# 867
Delta R.T. -0.006 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

Tgt Ion:	105	Resp:	517596
Ion	Ratio	Lower	Upper
105	100		
71	8.0	7.0	10.4
51	40.2	36.6	55.0
120	23.0	18.1	27.1

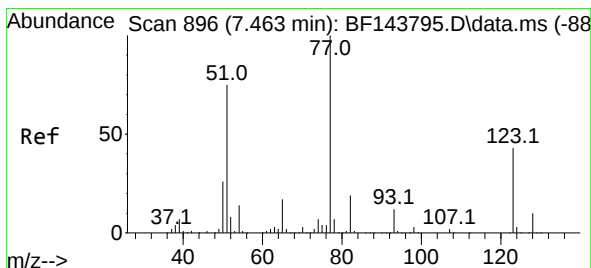
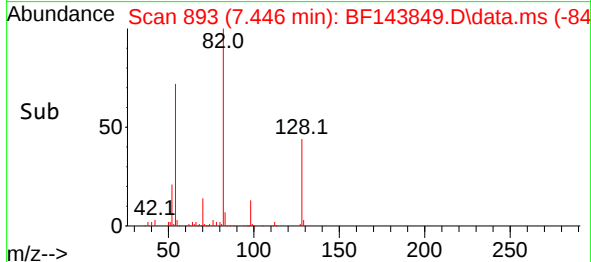
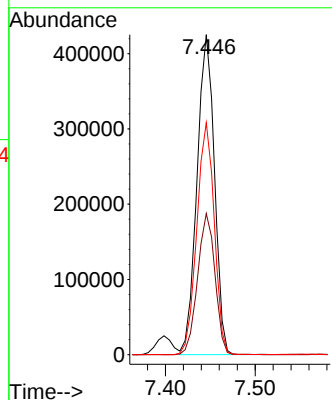
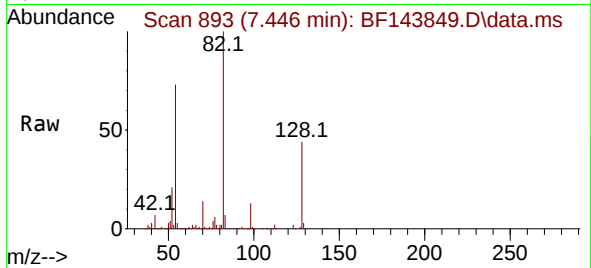




#23
Nitrobenzene-d5
Concen: 77.522 ng
RT: 7.446 min Scan# 893
Delta R.T. -0.005 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

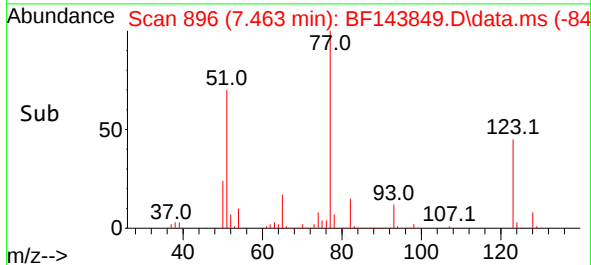
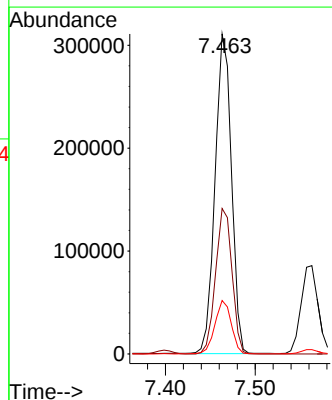
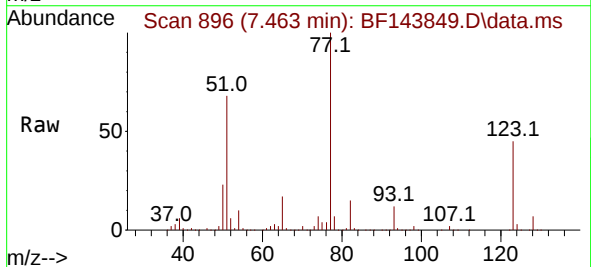
Instrument :
BNA_F
ClientSampleId :
12-8MSD

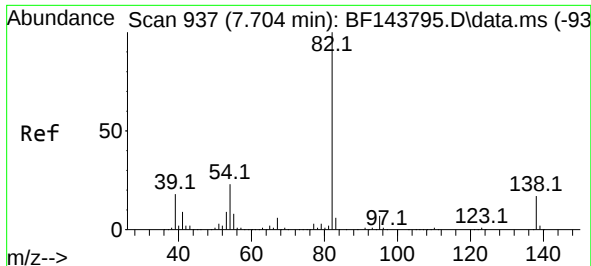
Tgt Ion: 82 Resp: 573613
Ion Ratio Lower Upper
82 100
128 44.1 33.3 49.9
54 72.5 64.2 96.4



#24
Nitrobenzene
Concen: 48.002 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

Tgt Ion: 77 Resp: 393700
Ion Ratio Lower Upper
77 100
123 45.4 34.0 51.0
65 16.7 13.5 20.3

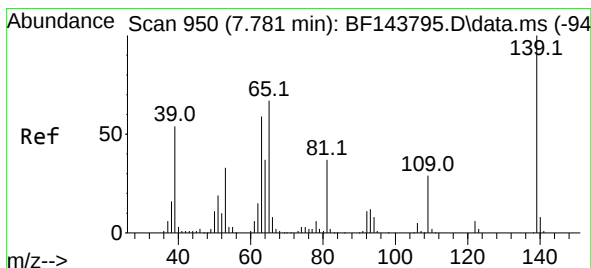
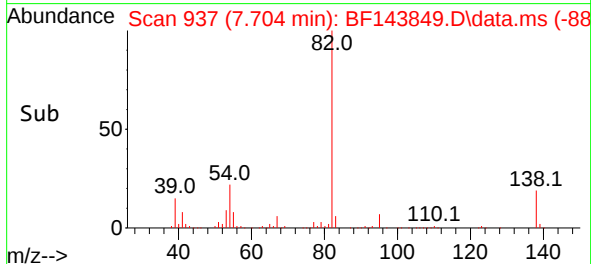
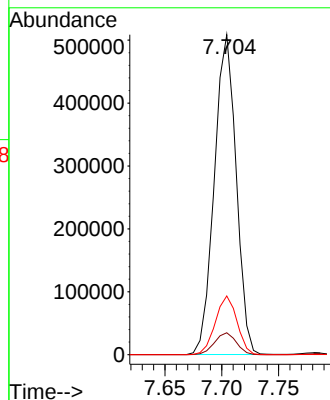
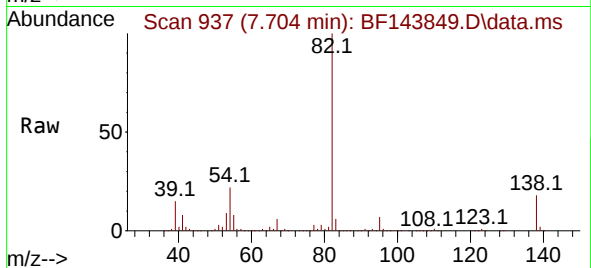




#25
Isophorone
Concen: 47.254 ng
RT: 7.704 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

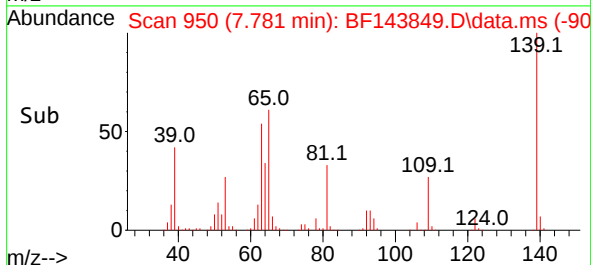
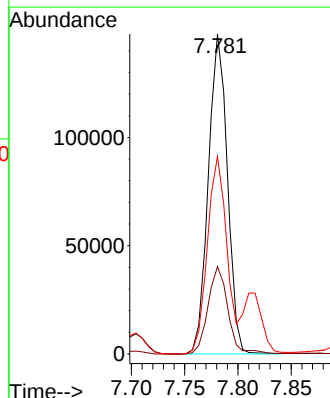
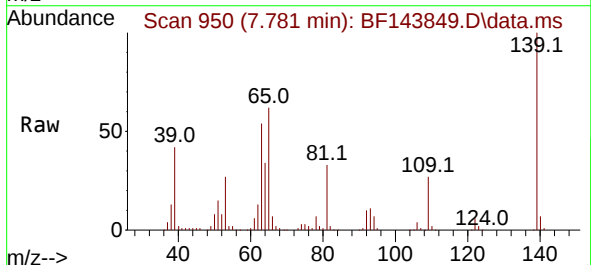
Instrument :
BNA_F
ClientSampleId :
12-8MSD

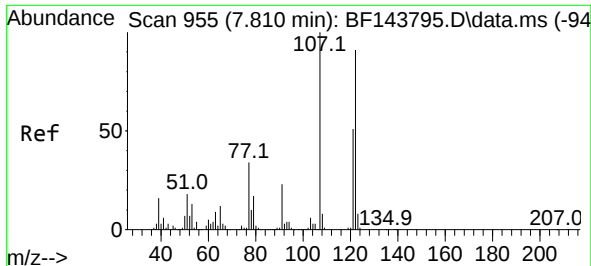
Tgt Ion: 82 Resp: 681363
Ion Ratio Lower Upper
82 100
95 6.9 5.4 8.2
138 18.3 13.7 20.5



#26
2-Nitrophenol
Concen: 54.366 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.005 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

Tgt Ion:139 Resp: 184346
Ion Ratio Lower Upper
139 100
109 27.3 23.3 34.9
65 61.7 53.8 80.6

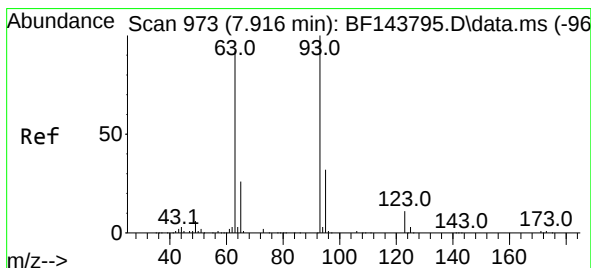
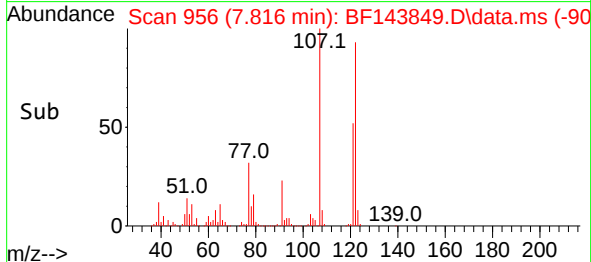
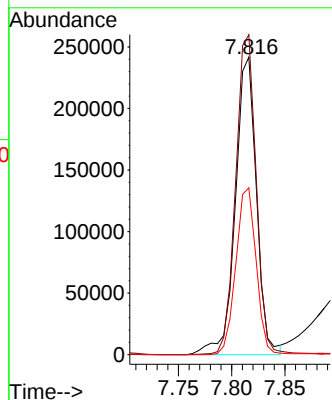
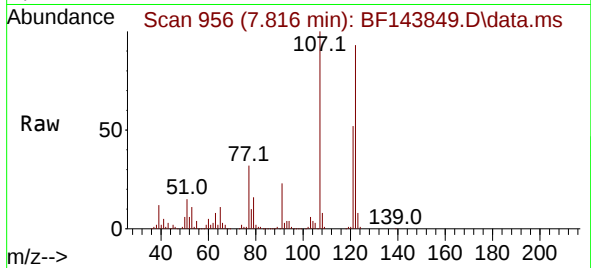




#27
2,4-Dimethylphenol
Concen: 51.806 ng
RT: 7.816 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

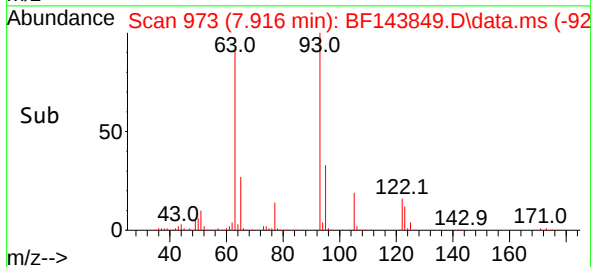
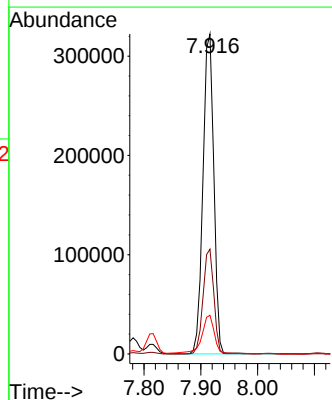
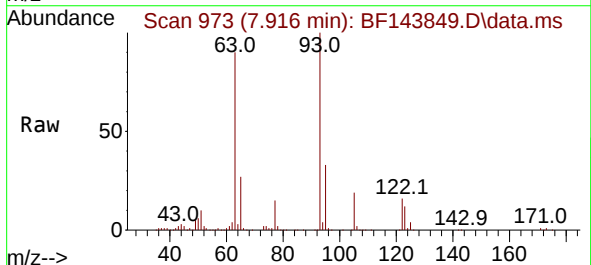
Instrument :
BNA_F
ClientSampleId :
12-8MSD

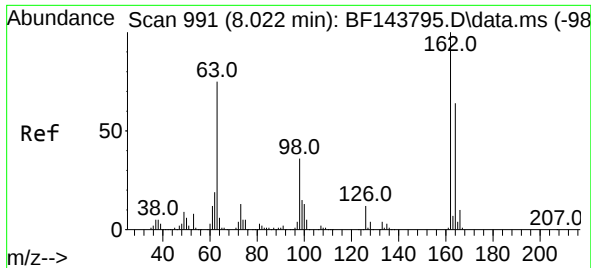
Tgt Ion:122 Resp: 333875
Ion Ratio Lower Upper
122 100
107 107.5 87.5 131.3
121 56.1 44.2 66.4



#28
bis(2-Chloroethoxy)methane
Concen: 45.705 ng
RT: 7.916 min Scan# 973
Delta R.T. 0.000 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

Tgt Ion: 93 Resp: 428163
Ion Ratio Lower Upper
93 100
95 32.8 25.8 38.8
123 12.1 8.8 13.2





#29

2,4-Dichlorophenol

Concen: 48.118 ng

RT: 8.022 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF143849.D

Acq: 30 Sep 2025 23:00

Instrument :

BNA_F

ClientSampleId :

12-8MSD

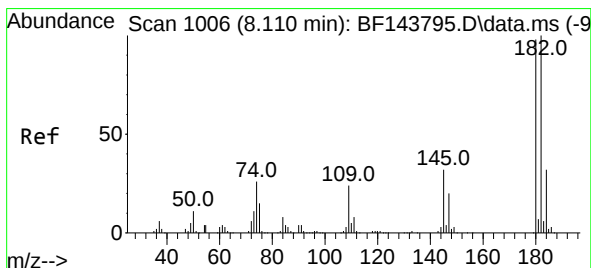
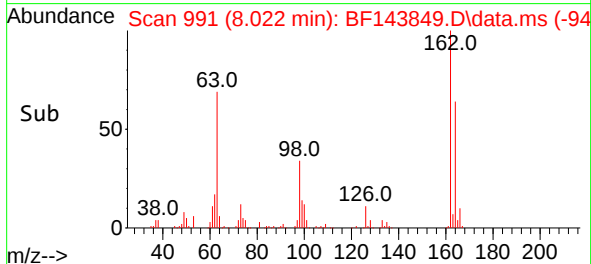
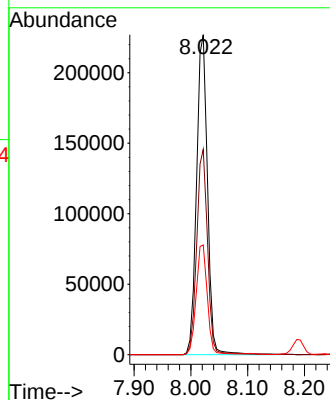
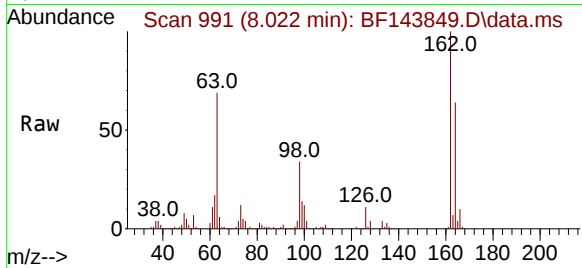
Tgt Ion:162 Resp: 305138

Ion Ratio Lower Upper

162 100

164 64.2 44.1 84.1

98 34.3 15.8 55.8



#30

1,2,4-Trichlorobenzene

Concen: 50.873 ng

RT: 8.104 min Scan# 1005

Delta R.T. -0.006 min

Lab File: BF143849.D

Acq: 30 Sep 2025 23:00

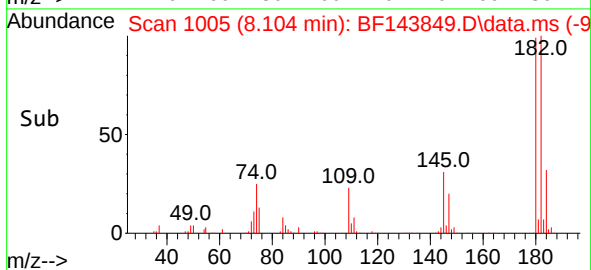
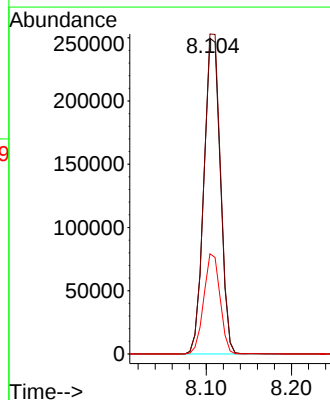
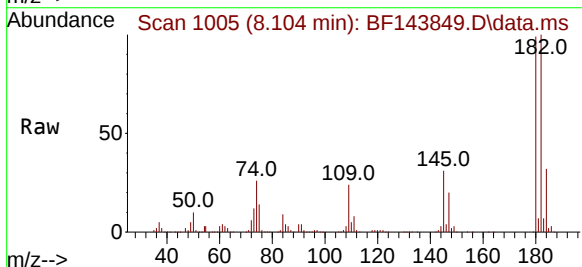
Tgt Ion:180 Resp: 334796

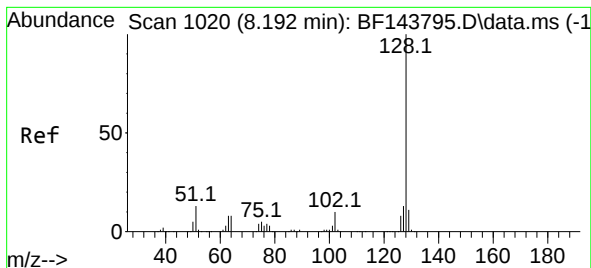
Ion Ratio Lower Upper

180 100

182 101.4 82.0 123.0

145 31.7 25.9 38.9





#31

Naphthalene

Concen: 46.377 ng

RT: 8.187 min Scan# 10

Delta R.T. -0.006 min

Lab File: BF143849.D

Acq: 30 Sep 2025 23:00

Instrument :

BNA_F

ClientSampleId :

12-8MSD

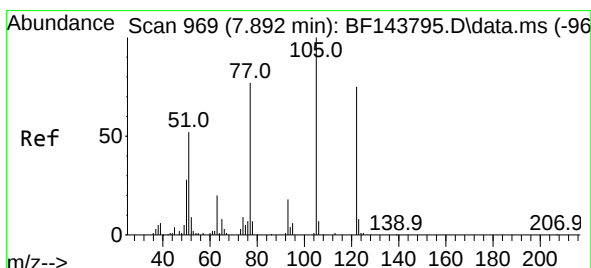
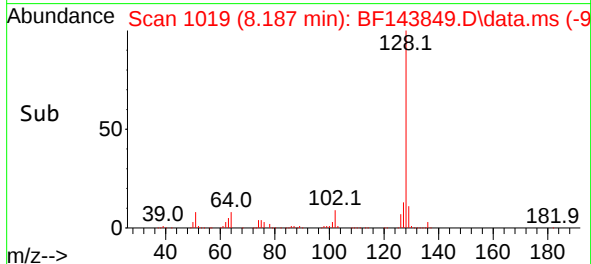
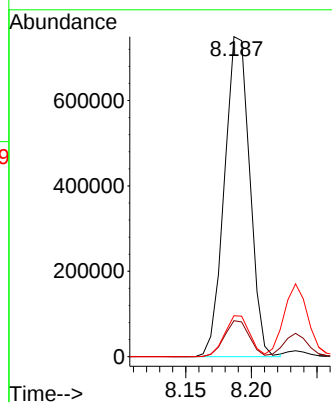
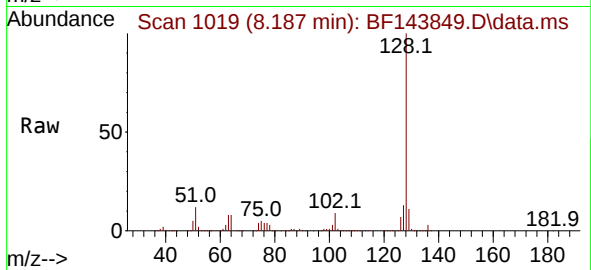
Tgt Ion:128 Resp: 1005563

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

127 12.8 10.2 15.4



#32

Benzoic acid

Concen: 60.904 ng

RT: 7.910 min Scan# 972

Delta R.T. -0.012 min

Lab File: BF143849.D

Acq: 30 Sep 2025 23:00

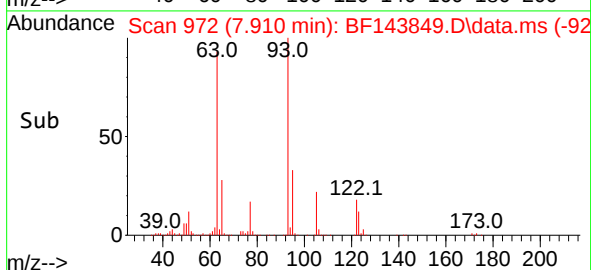
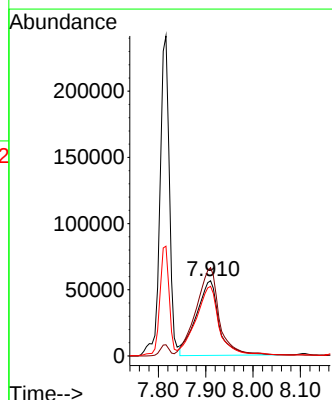
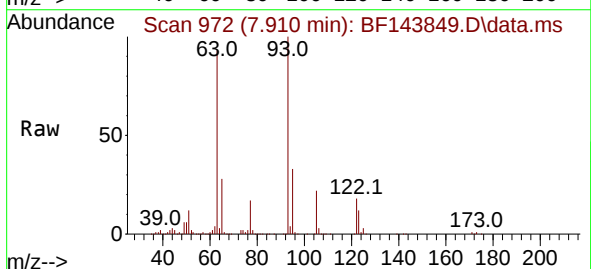
Tgt Ion:122 Resp: 189378

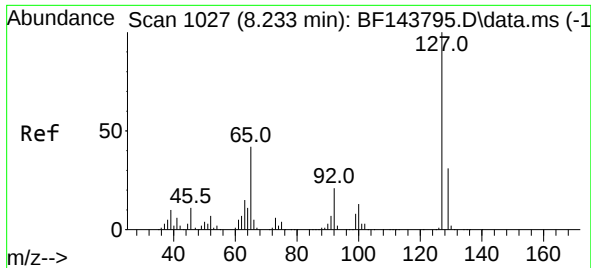
Ion Ratio Lower Upper

122 100

105 117.3 103.7 143.7

77 92.6 78.8 118.8

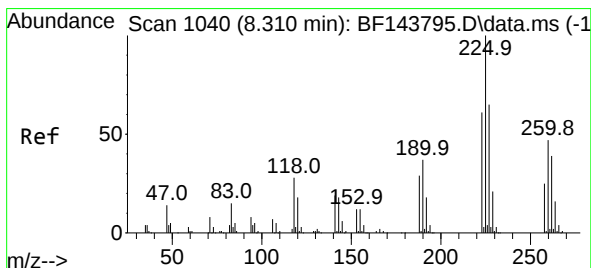
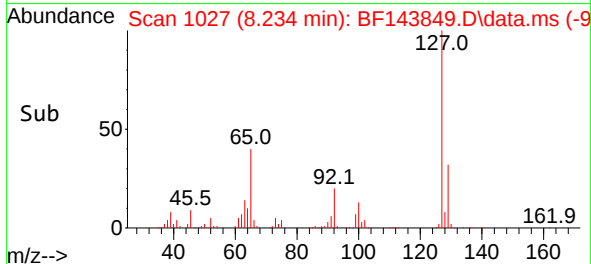
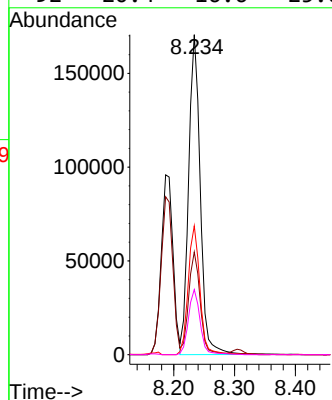
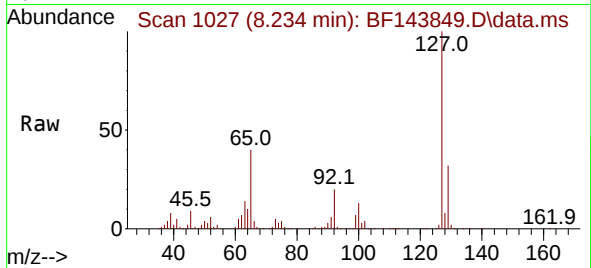




#33
4-Chloroaniline
Concen: 29.674 ng
RT: 8.234 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

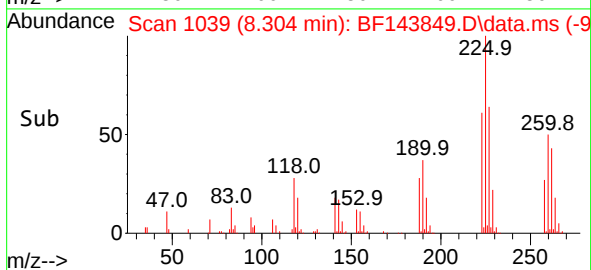
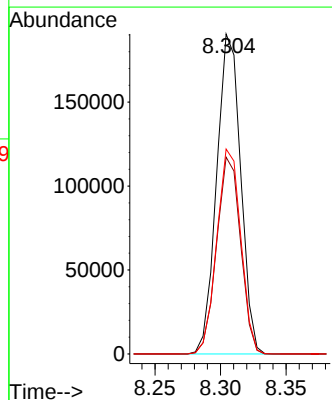
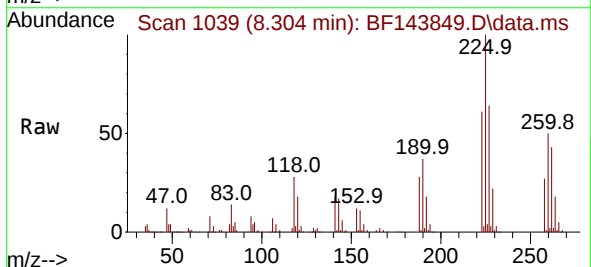
Instrument :
BNA_F
ClientSampleId :
12-8MSD

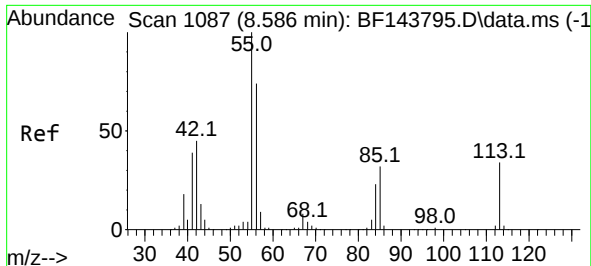
Tgt Ion:	127	Resp:	226104
Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.4	38.2
65	40.2	33.4	50.2
92	20.4	16.6	25.0



#34
Hexachlorobutadiene
Concen: 49.357 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

Tgt Ion:	225	Resp:	242144
Ion	Ratio	Lower	Upper
225	100		
223	61.5	48.6	72.8
227	64.1	51.9	77.9

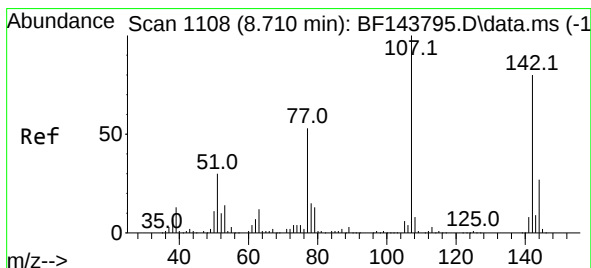
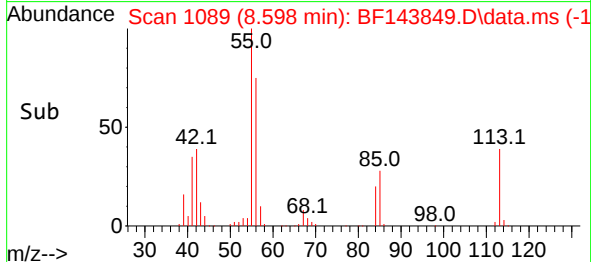
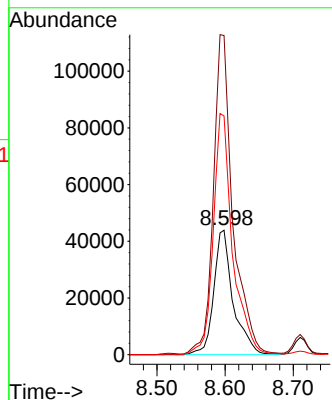
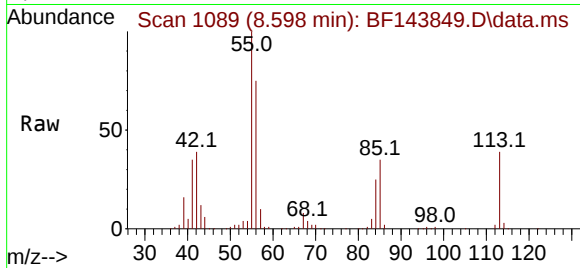




#35
 Caprolactam
 Concen: 53.684 ng
 RT: 8.598 min Scan# 1089
 Delta R.T. -0.012 min
 Lab File: BF143849.D
 Acq: 30 Sep 2025 23:00

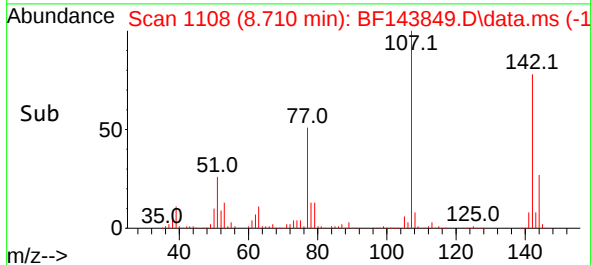
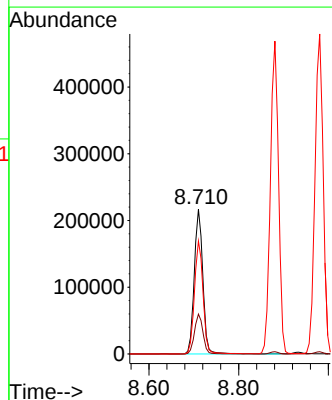
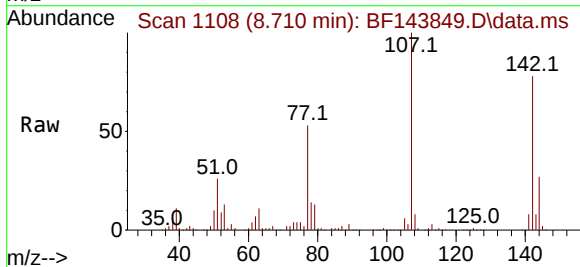
Instrument :
 BNA_F
 ClientSampleId :
 12-8MSD

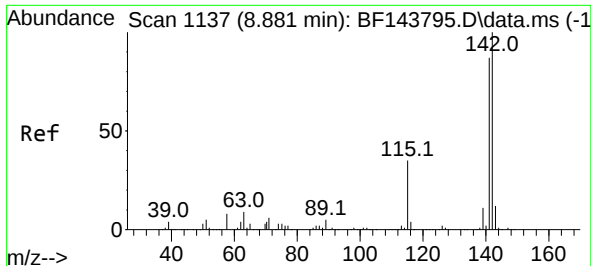
Tgt Ion:113 Resp: 87015
 Ion Ratio Lower Upper
 113 100
 55 256.2 271.7 311.7#
 56 191.7 194.5 234.5#



#36
 4-Chloro-3-methylphenol
 Concen: 48.534 ng
 RT: 8.710 min Scan# 1108
 Delta R.T. 0.000 min
 Lab File: BF143849.D
 Acq: 30 Sep 2025 23:00

Tgt Ion:107 Resp: 288654
 Ion Ratio Lower Upper
 107 100
 144 27.5 21.8 32.8
 142 78.1 63.6 95.4

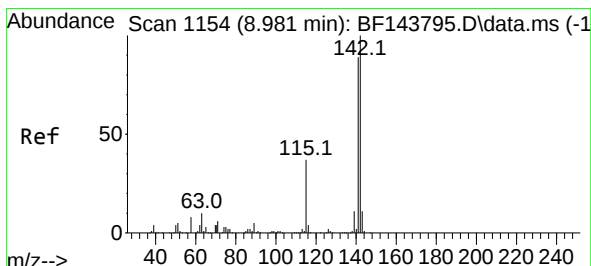
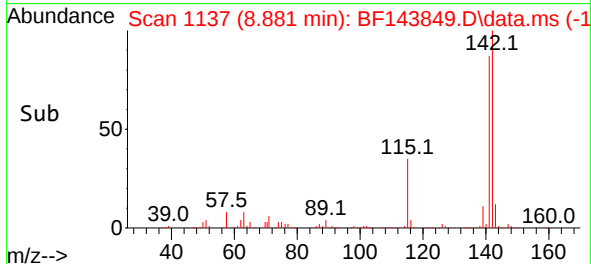
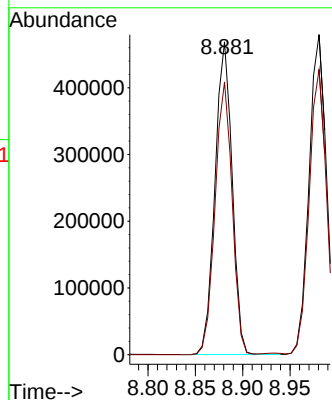
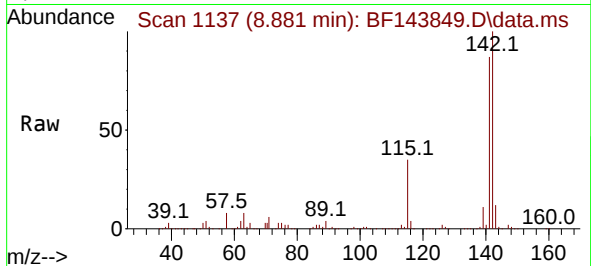




#37
2-Methylnaphthalene
Concen: 42.722 ng
RT: 8.881 min Scan# 1137
Delta R.T. 0.000 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

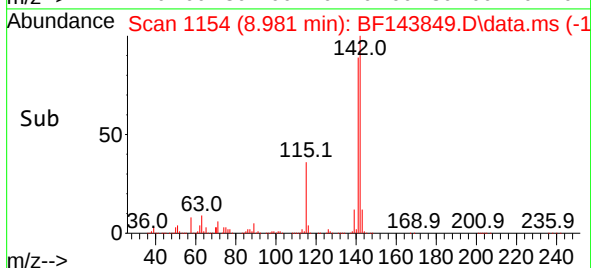
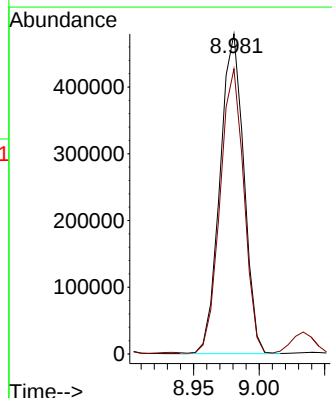
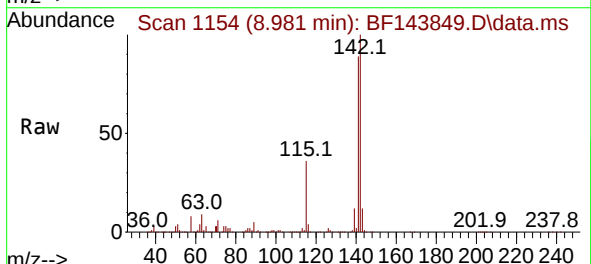
Instrument :
BNA_F
ClientSampleId :
12-8MSD

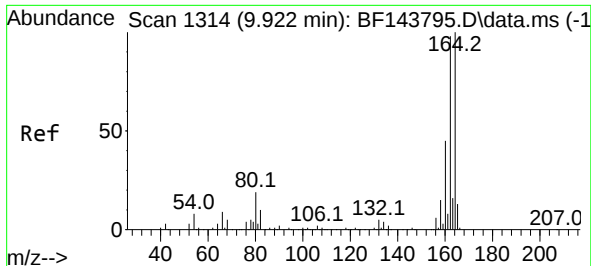
Tgt Ion:142 Resp: 590658
Ion Ratio Lower Upper
142 100
141 87.2 69.4 104.0



#38
1-Methylnaphthalene
Concen: 45.772 ng
RT: 8.981 min Scan# 1154
Delta R.T. 0.000 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

Tgt Ion:142 Resp: 605722
Ion Ratio Lower Upper
142 100
141 89.1 71.1 106.7

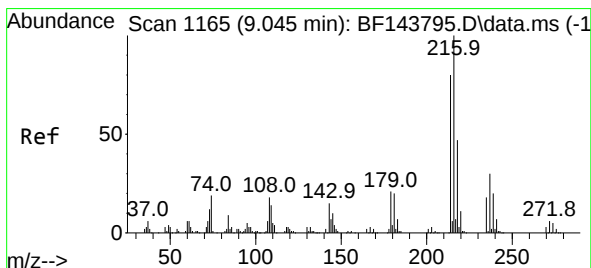
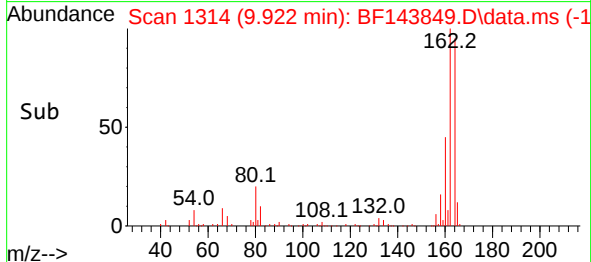
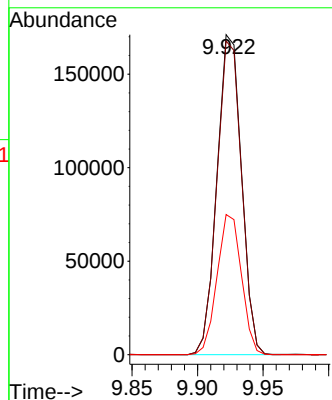
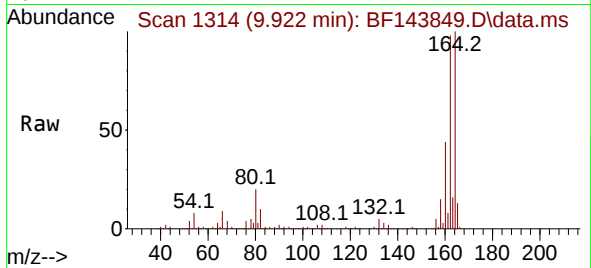




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 111
Delta R.T. -0.006 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

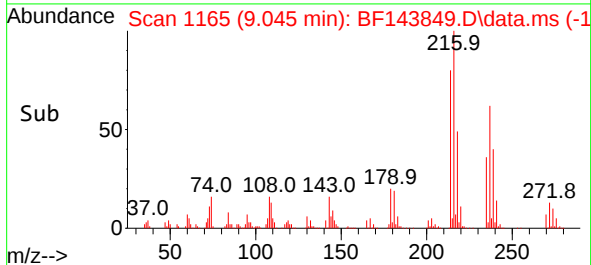
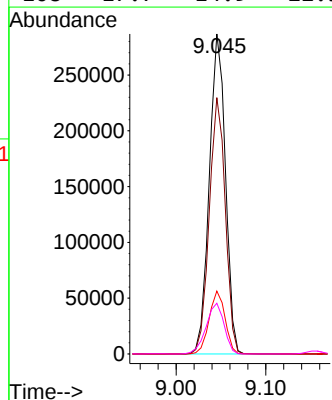
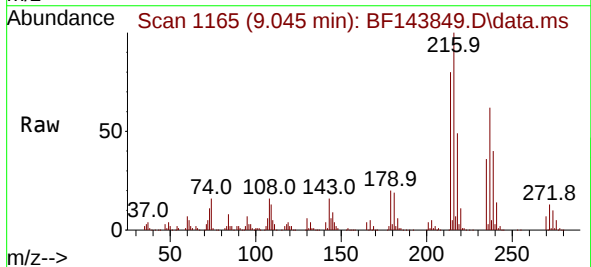
Instrument :
BNA_F
ClientSampleId :
12-8MSD

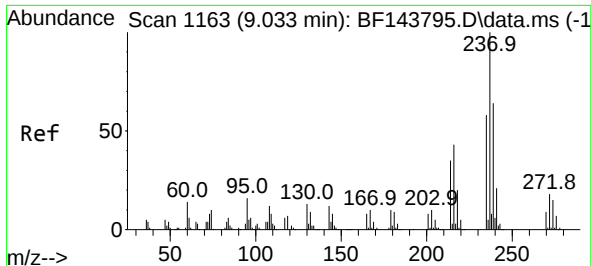
Tgt Ion:164 Resp: 222658
Ion Ratio Lower Upper
164 100
162 98.0 78.8 118.2
160 43.8 35.8 53.6



#40
1,2,4,5-Tetrachlorobenzene
Concen: 53.299 ng
RT: 9.045 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

Tgt Ion:216 Resp: 358140
Ion Ratio Lower Upper
216 100
214 79.5 63.7 95.5
179 19.4 16.5 24.7
108 17.7 14.9 22.3

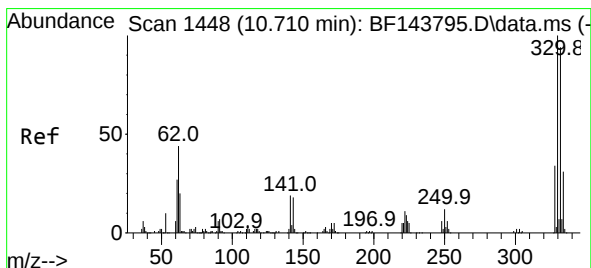
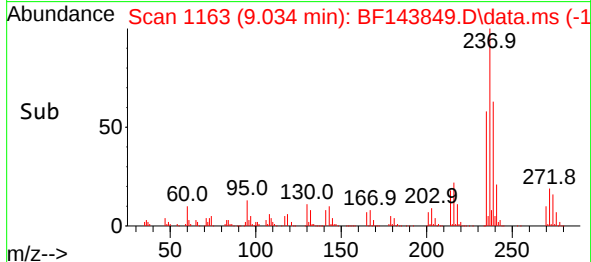
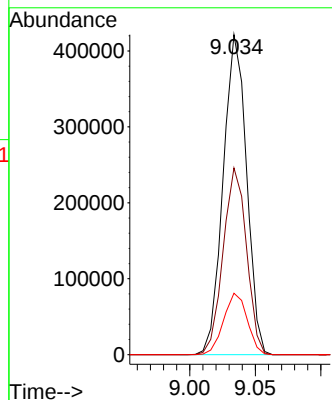
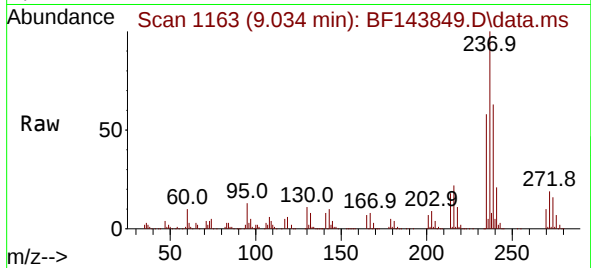




#41
Hexachlorocyclopentadiene
Concen: 122.851 ng
RT: 9.034 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

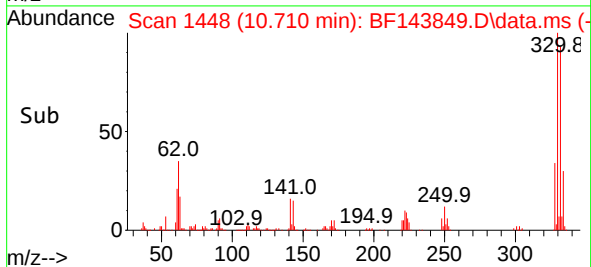
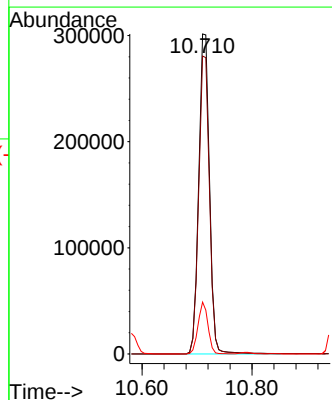
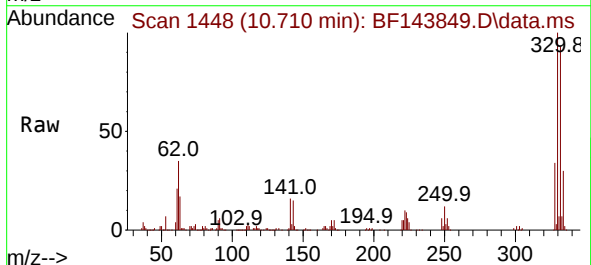
Instrument :
BNA_F
ClientSampleId :
12-8MSD

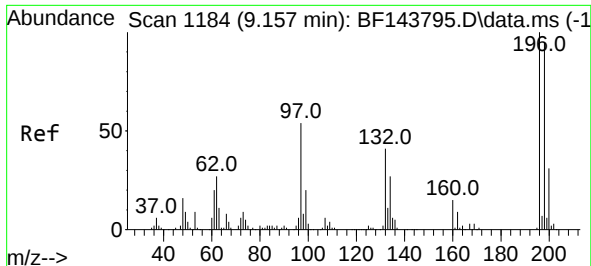
Tgt Ion:237 Resp: 523170
Ion Ratio Lower Upper
237 100
235 58.4 38.1 78.1
272 19.2 0.0 37.9



#42
2,4,6-Tribromophenol
Concen: 124.606 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

Tgt Ion:330 Resp: 410803
Ion Ratio Lower Upper
330 100
332 93.7 74.7 112.1
141 15.0 14.3 21.5

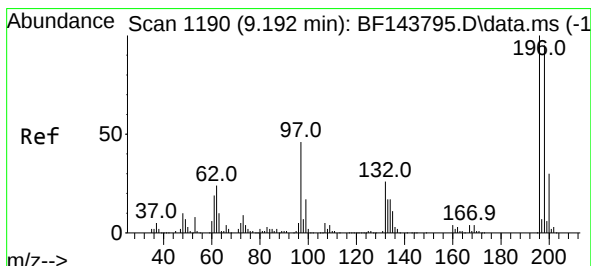
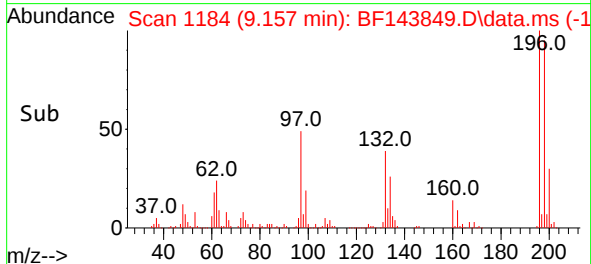
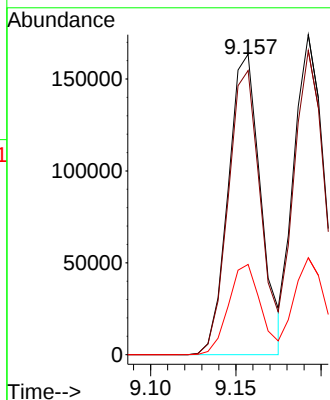
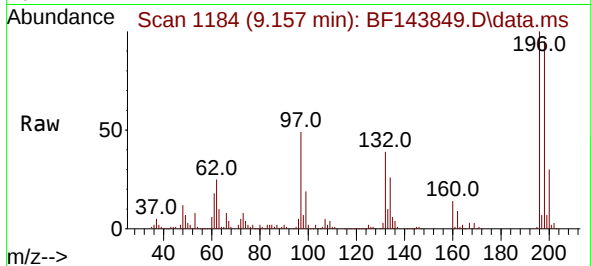




#43
2,4,6-Trichlorophenol
Concen: 51.828 ng
RT: 9.157 min Scan# 1184
Delta R.T. 0.000 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

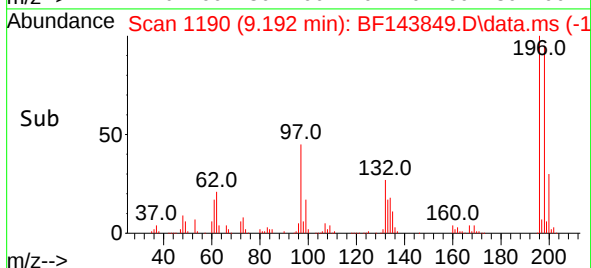
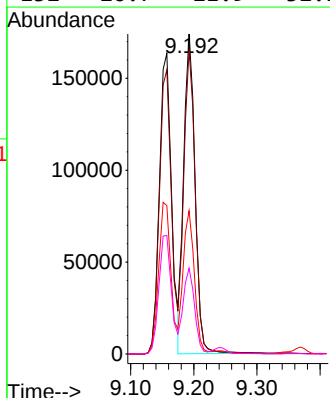
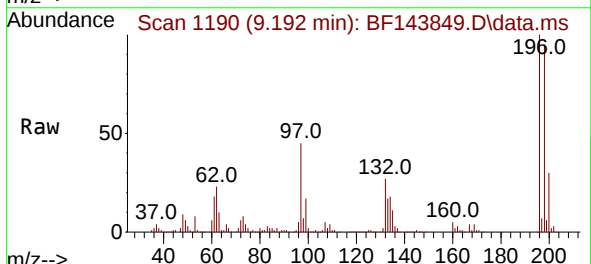
Instrument :
BNA_F
ClientSampleId :
12-8MSD

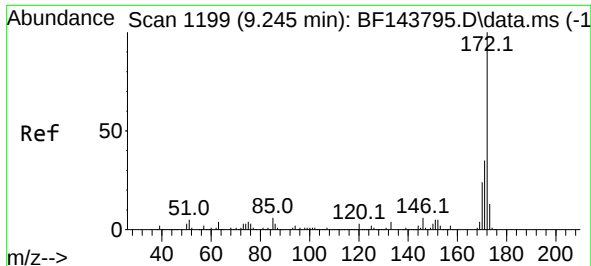
Tgt Ion:196 Resp: 218066
Ion Ratio Lower Upper
196 100
198 94.6 76.2 114.2
200 30.0 24.7 37.1



#44
2,4,5-Trichlorophenol
Concen: 49.759 ng
RT: 9.192 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

Tgt Ion:196 Resp: 218987
Ion Ratio Lower Upper
196 100
198 95.1 75.9 113.9
97 44.8 38.3 57.5
132 26.7 21.9 32.9





#45

2-Fluorobiphenyl

Concen: 73.431 ng

RT: 9.239 min Scan# 1199

Delta R.T. -0.005 min

Lab File: BF143849.D

Acq: 30 Sep 2025 23:00

Instrument :

BNA_F

ClientSampleId :

12-8MSD

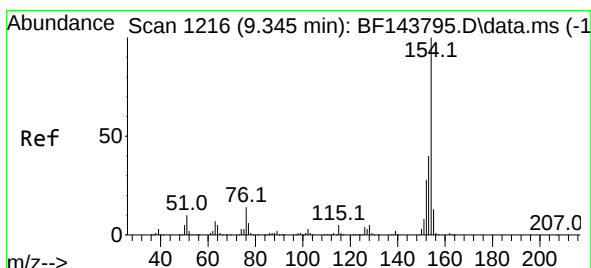
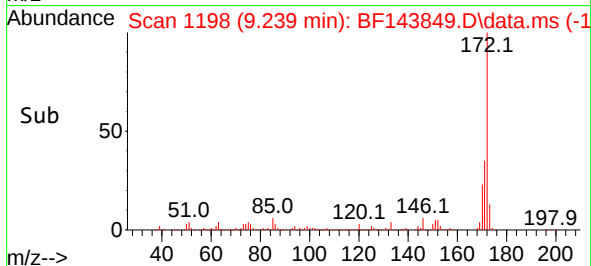
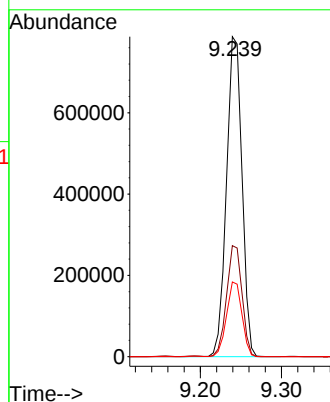
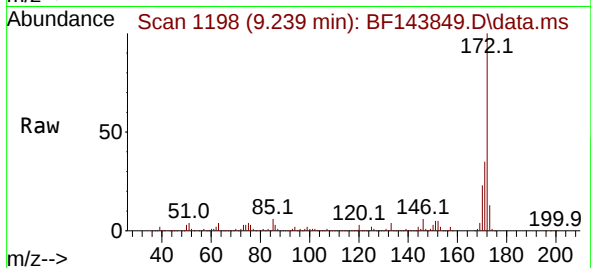
Tgt Ion:172 Resp: 1047741

Ion Ratio Lower Upper

172 100

171 34.7 27.9 41.9

170 23.3 19.1 28.7



#46

1,1'-Biphenyl

Concen: 51.901 ng

RT: 9.345 min Scan# 1216

Delta R.T. 0.000 min

Lab File: BF143849.D

Acq: 30 Sep 2025 23:00

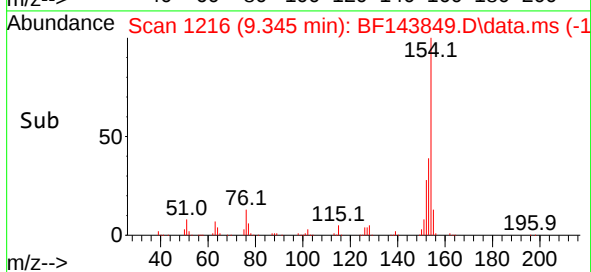
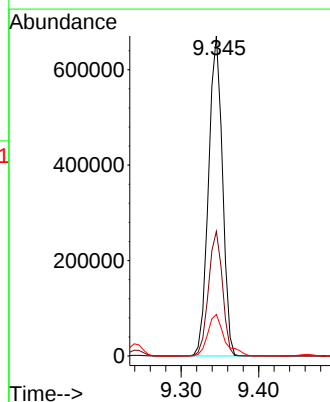
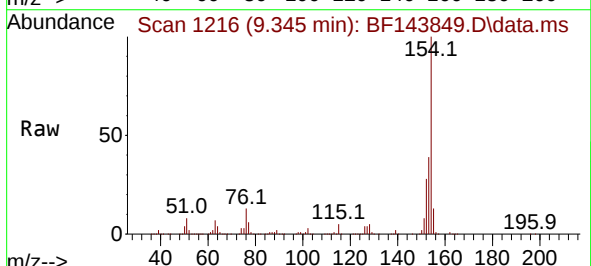
Tgt Ion:154 Resp: 836520

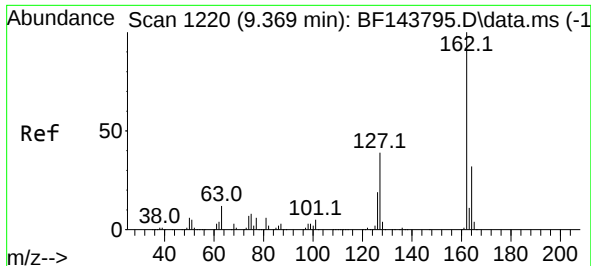
Ion Ratio Lower Upper

154 100

153 39.0 19.7 59.7

76 13.0 0.0 33.8

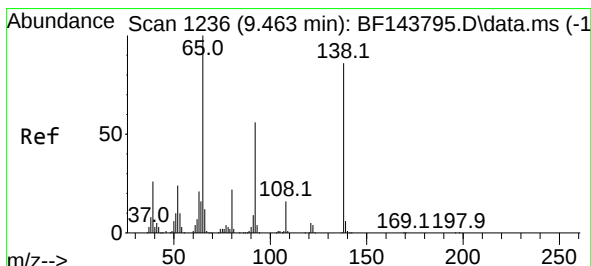
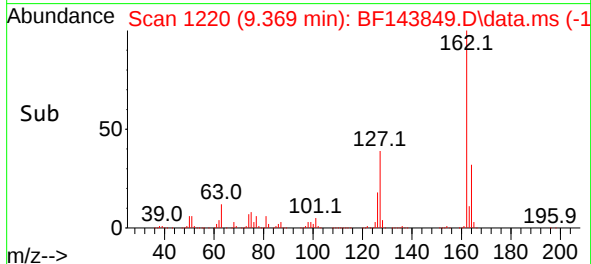
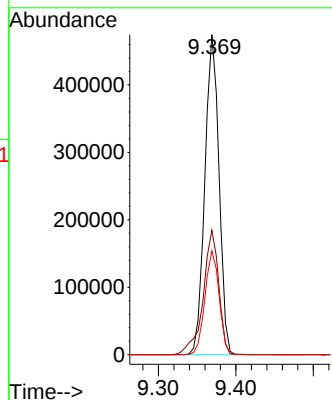
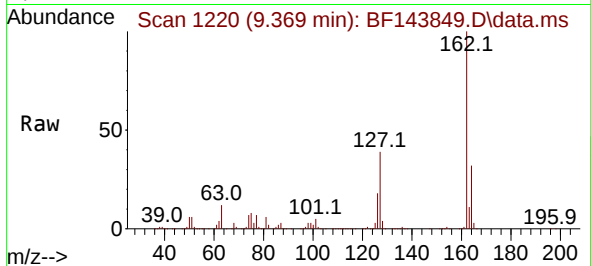




#47
2-Chloronaphthalene
Concen: 46.317 ng
RT: 9.369 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

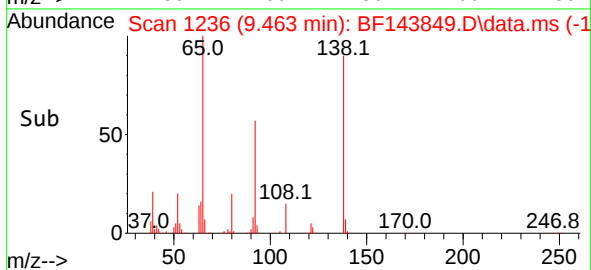
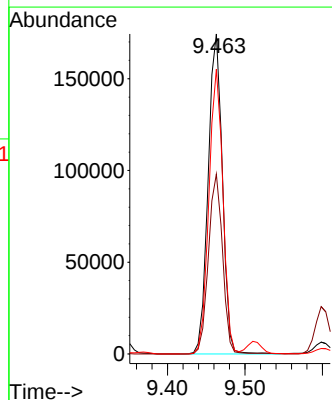
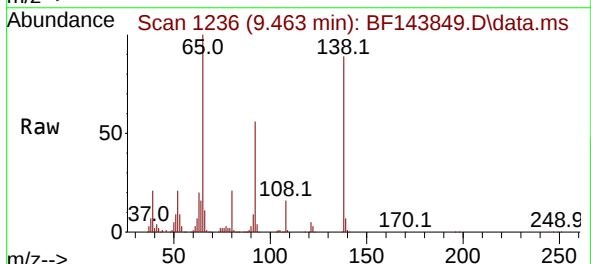
Instrument :
BNA_F
ClientSampleId :
12-8MSD

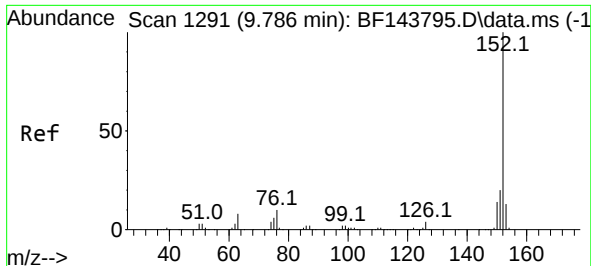
Tgt Ion:162 Resp: 600904
Ion Ratio Lower Upper
162 100
127 38.9 31.5 47.3
164 32.5 25.9 38.9



#48
2-Nitroaniline
Concen: 56.732 ng
RT: 9.463 min Scan# 1236
Delta R.T. 0.000 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

Tgt Ion: 65 Resp: 222456
Ion Ratio Lower Upper
65 100
92 56.2 44.9 67.3
138 89.0 69.0 103.4





#49

Acenaphthylene

Concen: 53.190 ng

RT: 9.787 min Scan# 1291

Delta R.T. 0.000 min

Lab File: BF143849.D

Acq: 30 Sep 2025 23:00

Instrument :

BNA_F

ClientSampleId :

12-8MSD

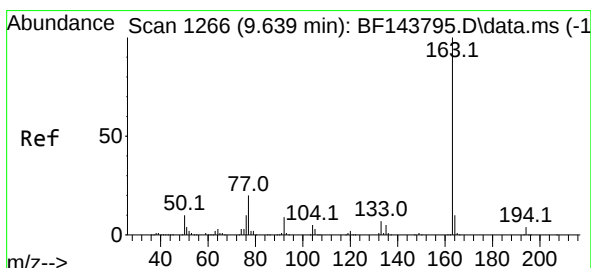
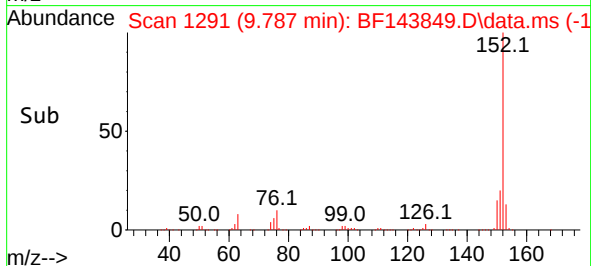
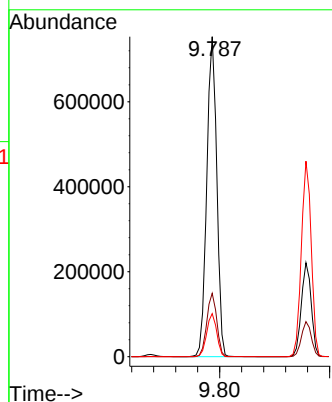
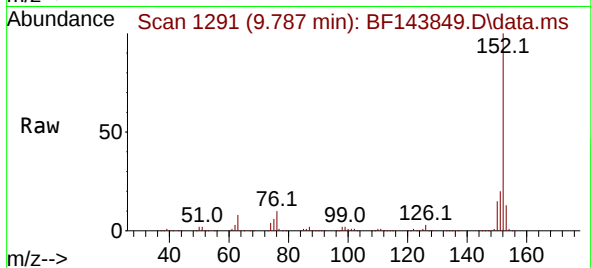
Tgt Ion:152 Resp: 949993

Ion Ratio Lower Upper

152 100

151 19.8 15.7 23.5

153 13.4 10.6 15.8



#50

Dimethylphthalate

Concen: 48.592 ng

RT: 9.645 min Scan# 1267

Delta R.T. 0.006 min

Lab File: BF143849.D

Acq: 30 Sep 2025 23:00

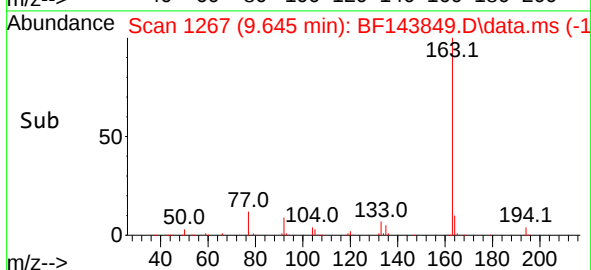
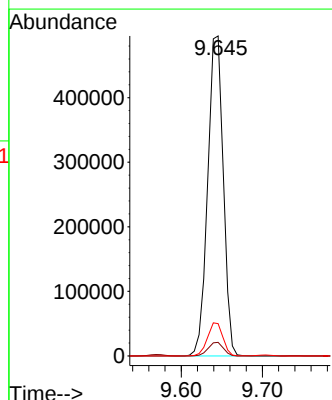
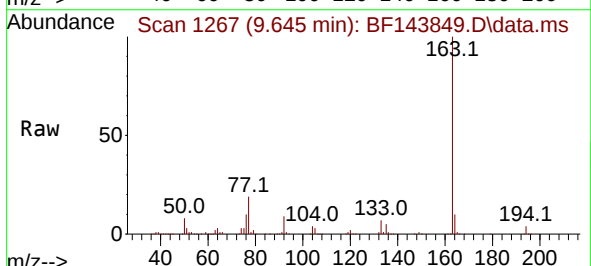
Tgt Ion:163 Resp: 659437

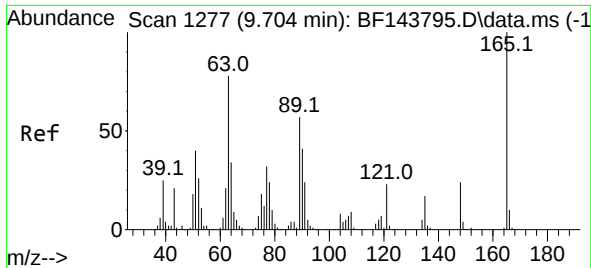
Ion Ratio Lower Upper

163 100

194 4.2 3.0 4.6

164 10.1 8.2 12.2

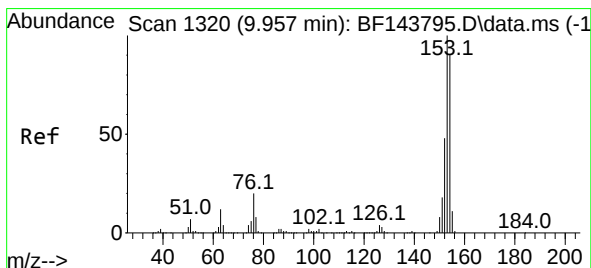
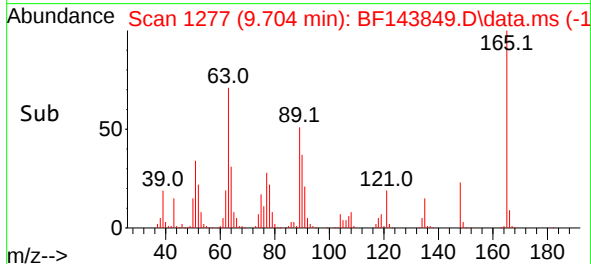
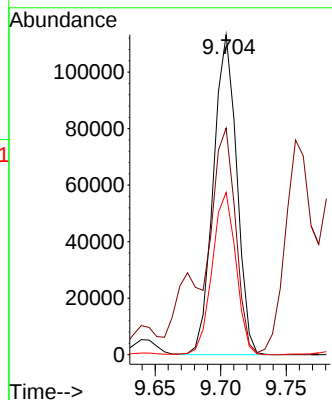
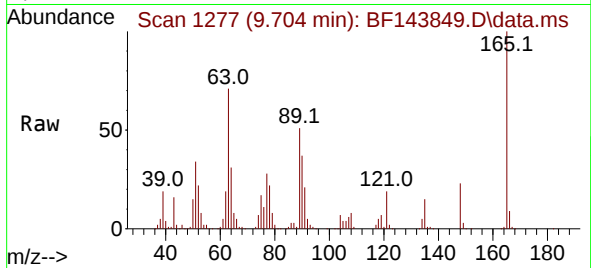




#51
2,6-Dinitrotoluene
Concen: 62.838 ng
RT: 9.704 min Scan# 1277
Delta R.T. 0.000 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

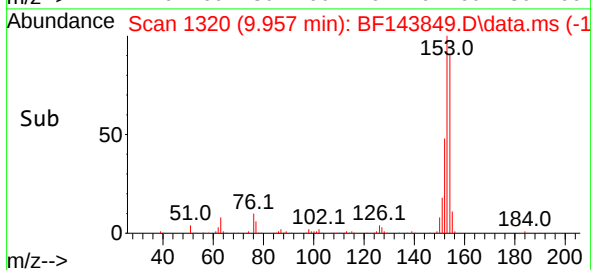
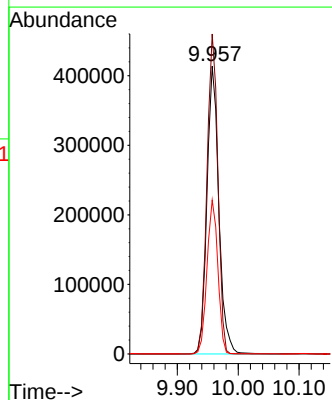
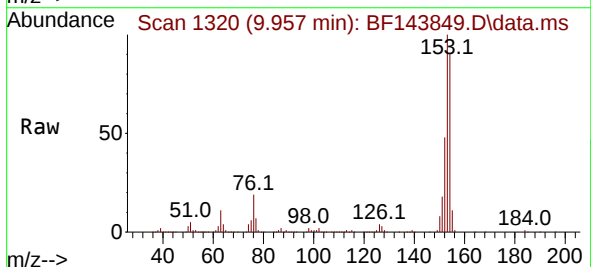
Instrument :
BNA_F
ClientSampleId :
12-8MSD

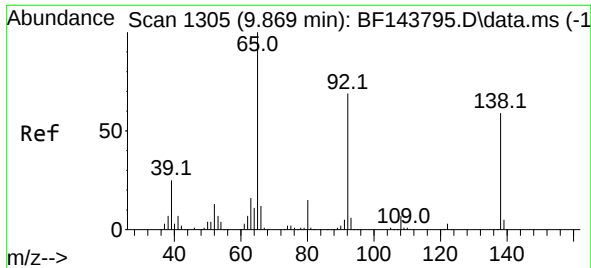
Tgt Ion:165 Resp: 140111
Ion Ratio Lower Upper
165 100
63 70.8 62.6 94.0
89 50.7 45.2 67.8



#52
Acenaphthene
Concen: 47.853 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

Tgt Ion:154 Resp: 562435
Ion Ratio Lower Upper
154 100
153 111.2 88.7 133.1
152 53.5 42.7 64.1

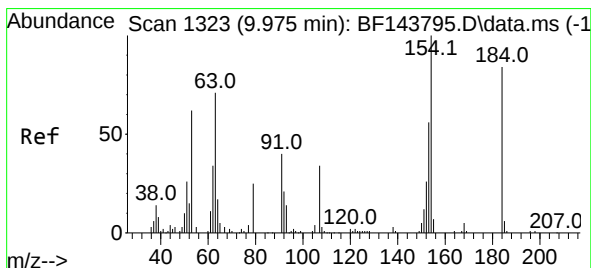
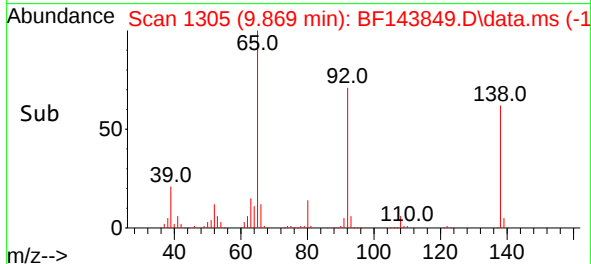
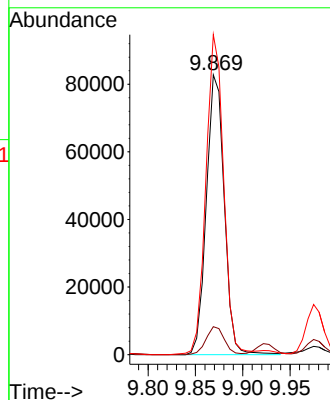
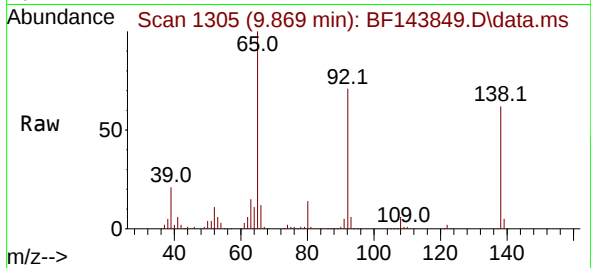




#53
3-Nitroaniline
Concen: 40.316 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

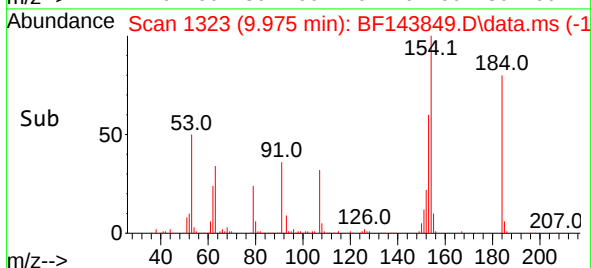
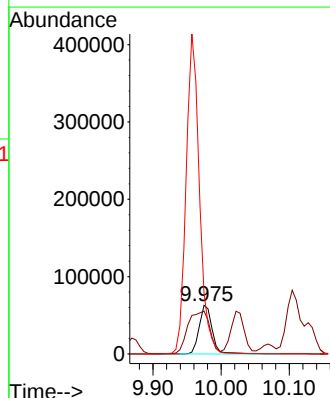
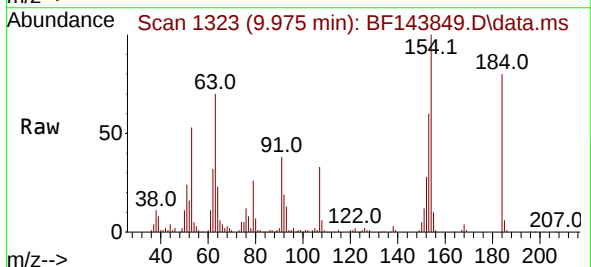
Instrument :
BNA_F
ClientSampleId :
12-8MSD

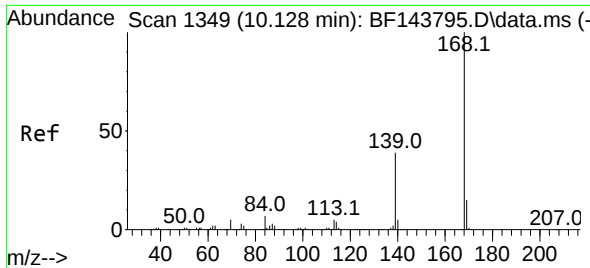
Tgt Ion:138 Resp: 108963
Ion Ratio Lower Upper
138 100
108 10.0 9.9 14.9
92 114.3 93.5 140.3



#54
2,4-Dinitrophenol
Concen: 84.131 ng
RT: 9.975 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

Tgt Ion:184 Resp: 83101
Ion Ratio Lower Upper
184 100
63 88.4 84.6 127.0
154 125.6 199.3 298.9#

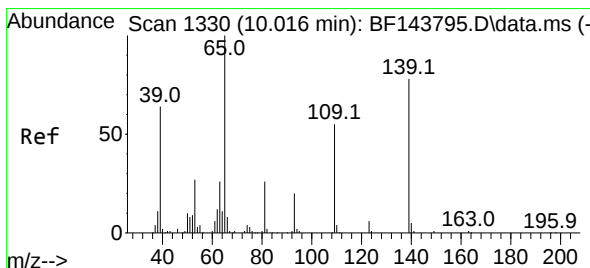
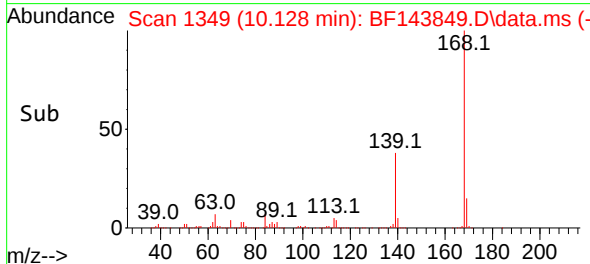
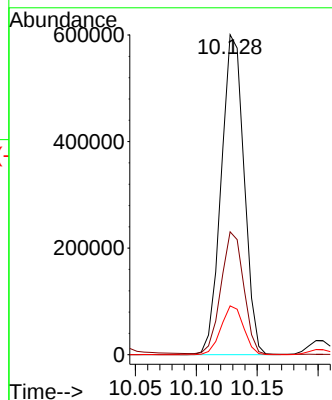
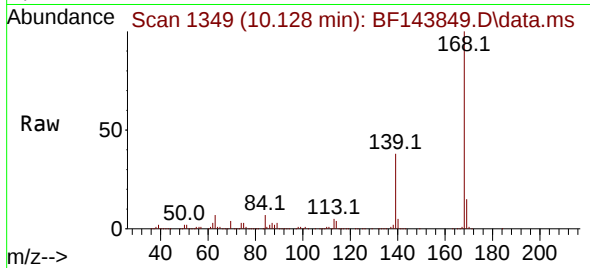




#55
Dibenzenofuran
Concen: 47.148 ng
RT: 10.128 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

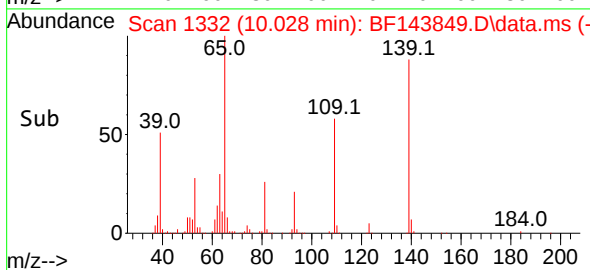
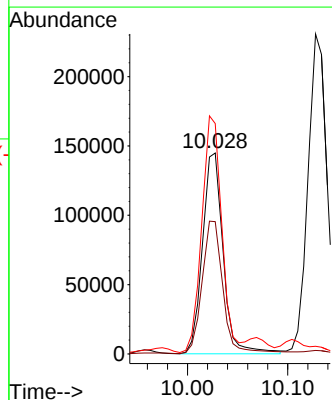
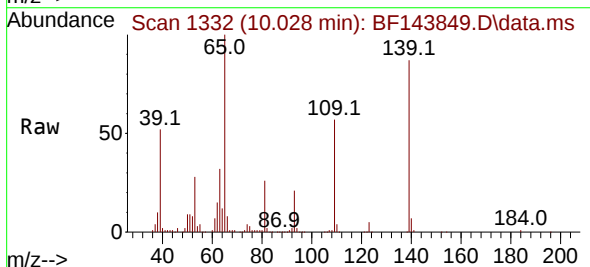
Instrument :
BNA_F
ClientSampleId :
12-8MSD

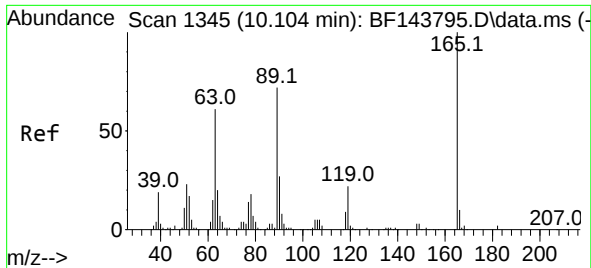
Tgt Ion:168 Resp: 783613
Ion Ratio Lower Upper
168 100
139 38.4 31.0 46.6
169 15.3 11.9 17.9



#56
4-Nitrophenol
Concen: 95.578 ng
RT: 10.028 min Scan# 1332
Delta R.T. 0.006 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

Tgt Ion:139 Resp: 208161
Ion Ratio Lower Upper
139 100
109 65.9 50.2 90.2
65 114.7 109.2 149.2

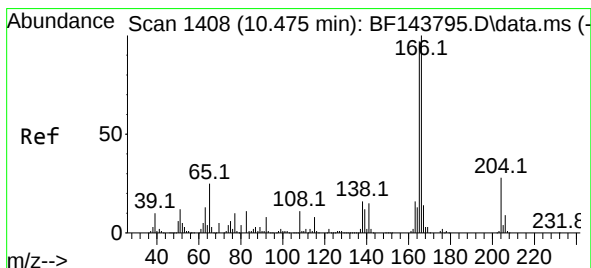
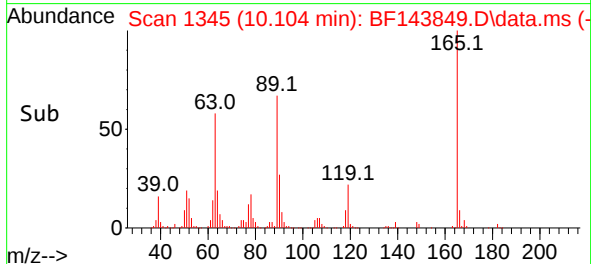
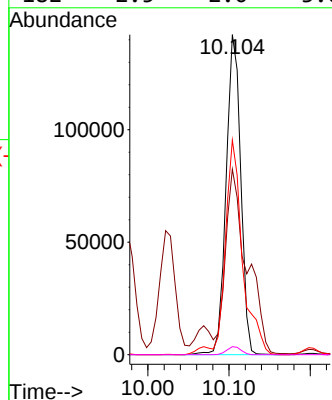
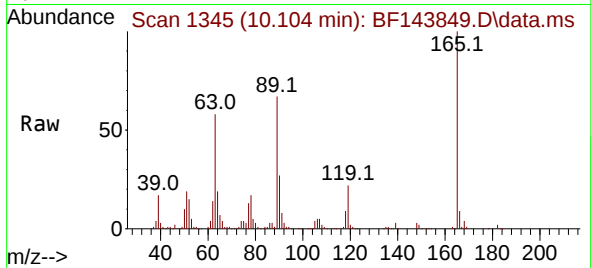




#57
2,4-Dinitrotoluene
Concen: 53.485 ng
RT: 10.104 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

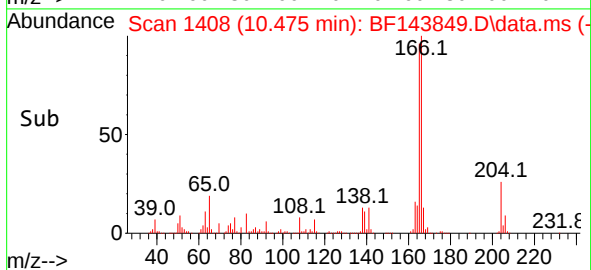
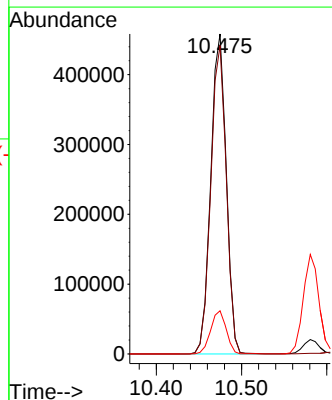
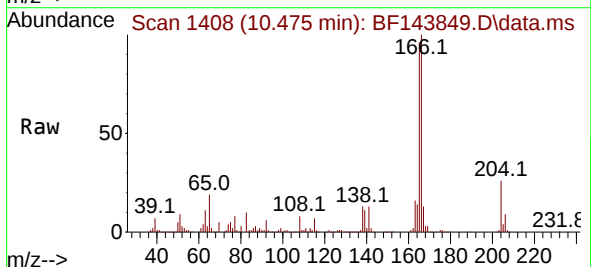
Instrument :
BNA_F
ClientSampleId :
12-8MSD

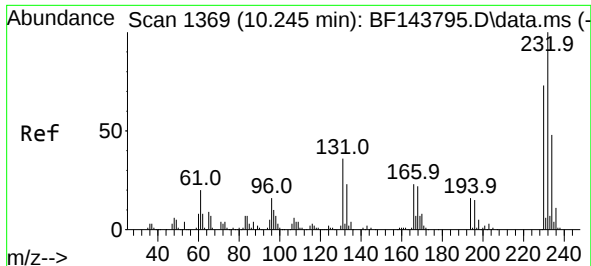
Tgt Ion:165 Resp: 178186
Ion Ratio Lower Upper
165 100
63 57.9 48.9 73.3
89 67.1 57.5 86.3
182 2.5 2.0 3.0



#58
Fluorene
Concen: 46.841 ng
RT: 10.475 min Scan# 1408
Delta R.T. 0.000 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

Tgt Ion:166 Resp: 578760
Ion Ratio Lower Upper
166 100
165 96.4 78.0 117.0
167 13.5 10.9 16.3

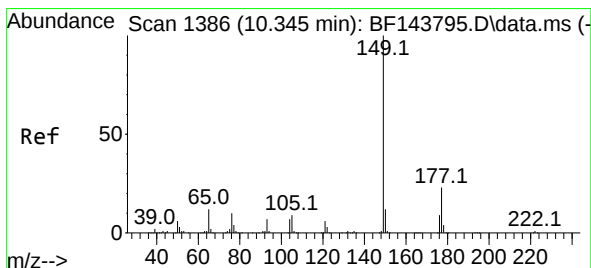
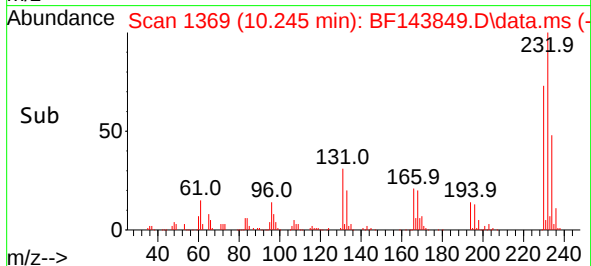
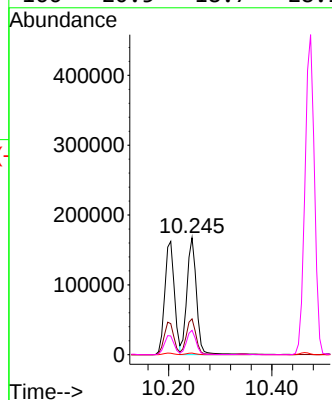
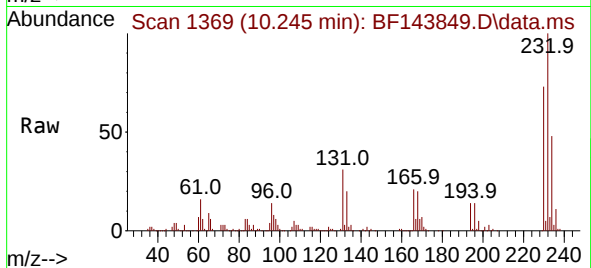




#59
2,3,4,6-Tetrachlorophenol
Concen: 56.745 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

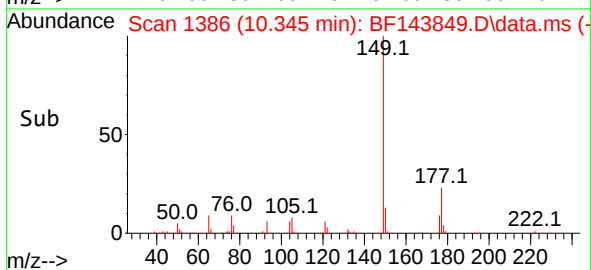
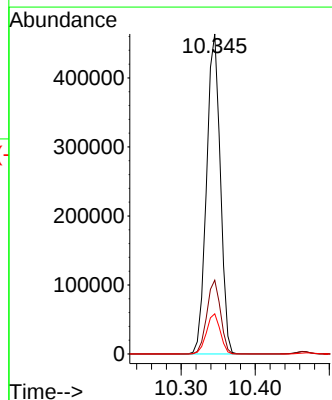
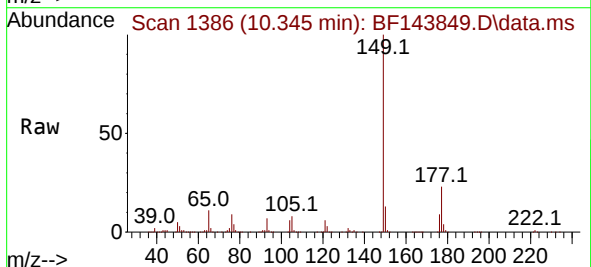
Instrument :
BNA_F
ClientSampleId :
12-8MSD

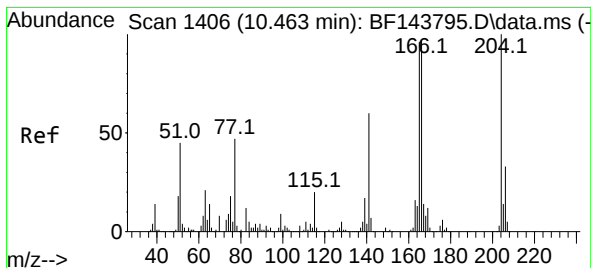
Tgt Ion:232 Resp: 213937
Ion Ratio Lower Upper
232 100
131 30.7 29.4 44.2
130 1.4 1.3 1.9
166 20.5 18.7 28.1



#60
Diethylphthalate
Concen: 47.037 ng
RT: 10.345 min Scan# 1386
Delta R.T. 0.000 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

Tgt Ion:149 Resp: 597546
Ion Ratio Lower Upper
149 100
177 23.1 18.1 27.1
150 12.5 9.7 14.5

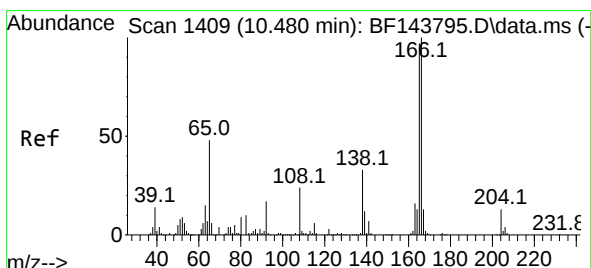
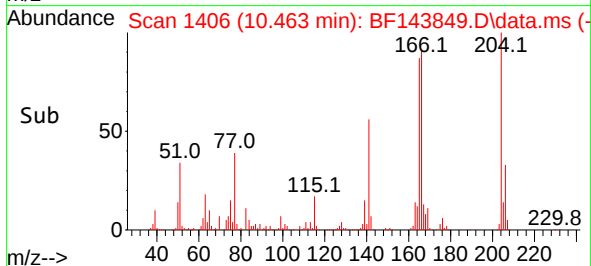
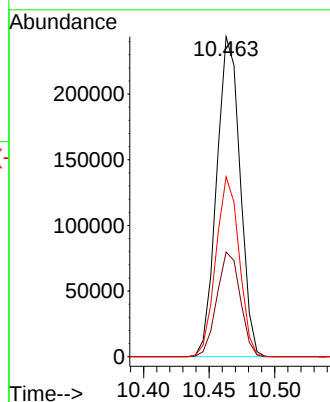
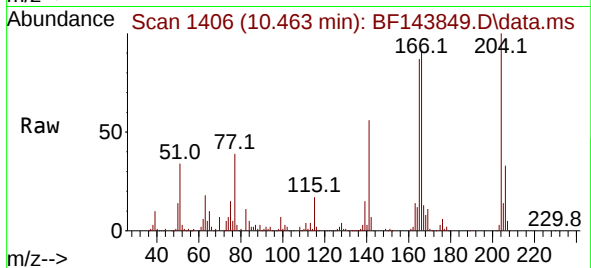




#61
4-Chlorophenyl-phenylether
Concen: 48.034 ng
RT: 10.463 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

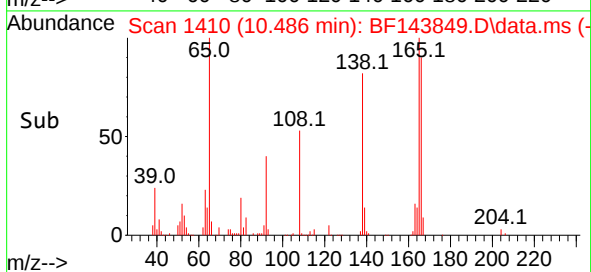
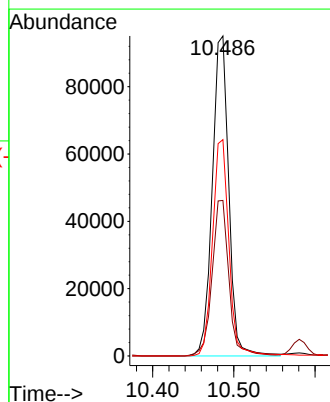
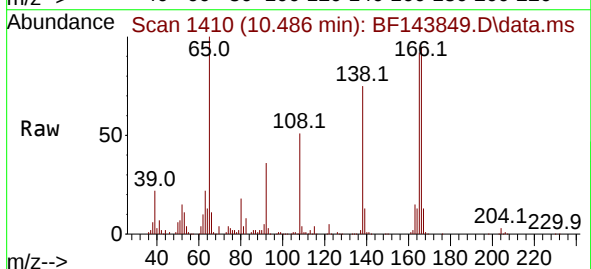
Instrument :
BNA_F
ClientSampleId :
12-8MSD

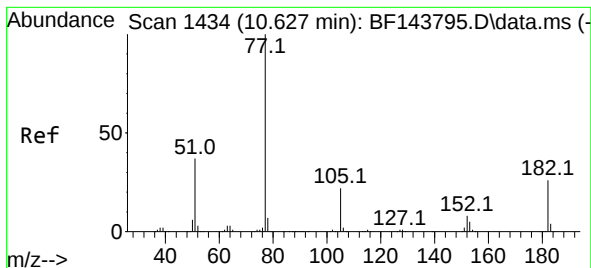
Tgt Ion:204 Resp: 302404
Ion Ratio Lower Upper
204 100
206 32.7 26.7 40.1
141 56.2 48.2 72.2



#62
4-Nitroaniline
Concen: 52.800 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

Tgt Ion:138 Resp: 134179
Ion Ratio Lower Upper
138 100
92 48.6 31.5 71.5
108 67.6 51.9 91.9





#63

Azobenzene

Concen: 49.151 ng

RT: 10.628 min Scan# 1434

Delta R.T. 0.000 min

Lab File: BF143849.D

Acq: 30 Sep 2025 23:00

Instrument :

BNA_F

ClientSampleId :

12-8MSD

Tgt Ion: 77 Resp: 658060

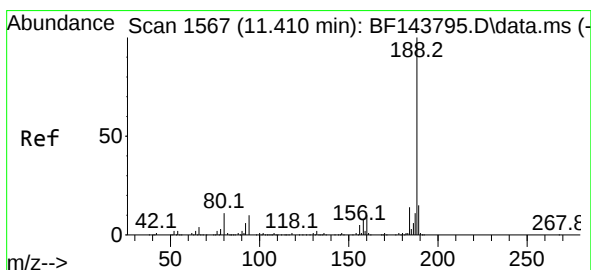
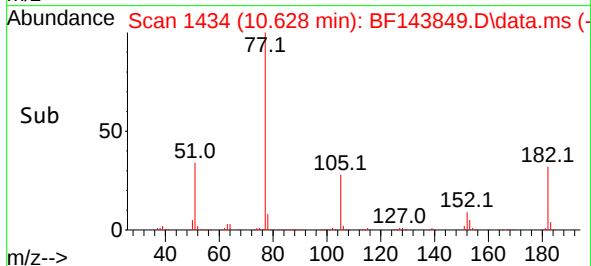
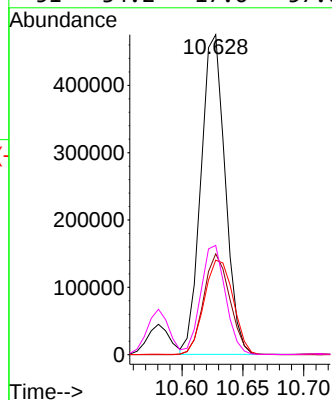
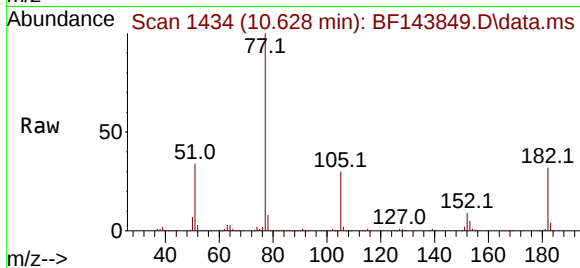
Ion Ratio Lower Upper

77 100

182 31.5 5.9 45.9

105 29.6 2.3 42.3

51 34.2 17.6 57.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1567

Delta R.T. -0.006 min

Lab File: BF143849.D

Acq: 30 Sep 2025 23:00

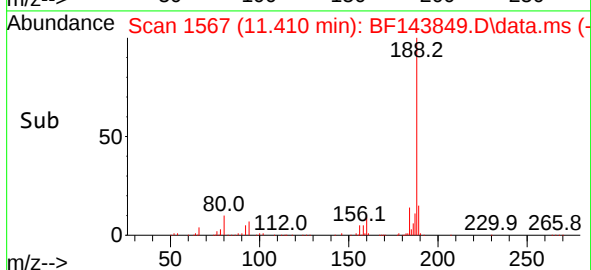
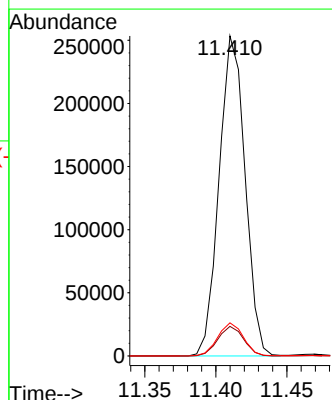
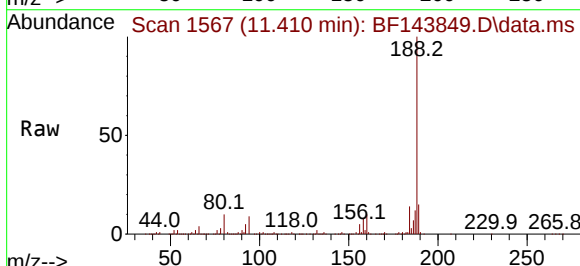
Tgt Ion:188 Resp: 322293

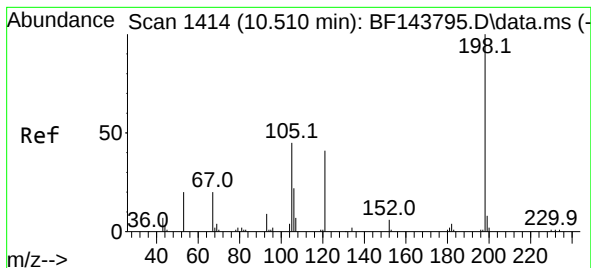
Ion Ratio Lower Upper

188 100

94 9.3 8.2 12.2

80 10.3 8.6 12.8

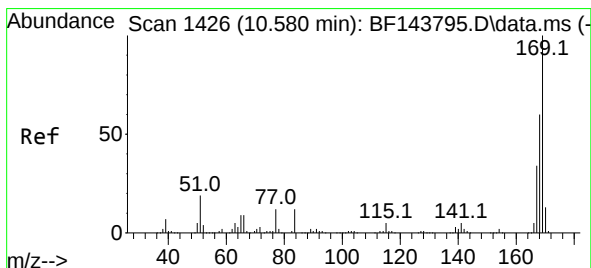
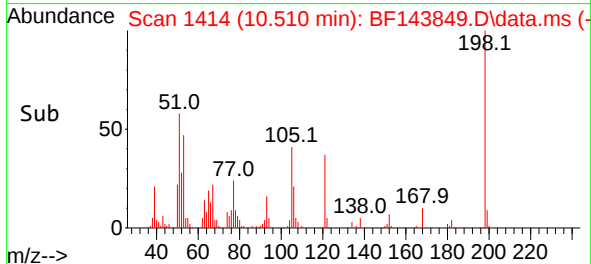
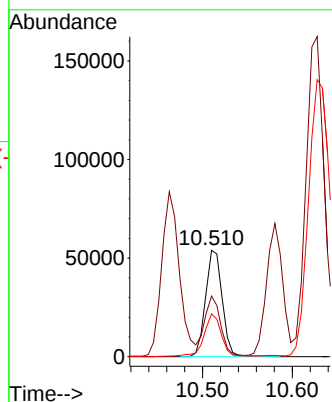
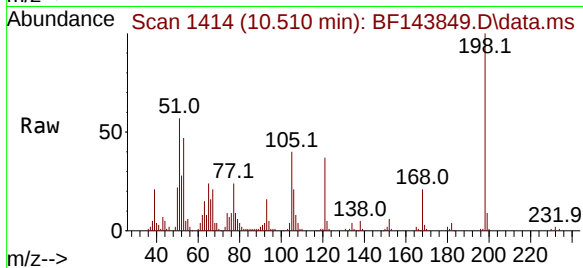




#65
4,6-Dinitro-2-methylphenol
Concen: 56.257 ng
RT: 10.510 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

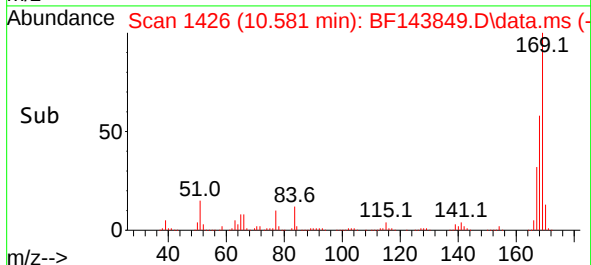
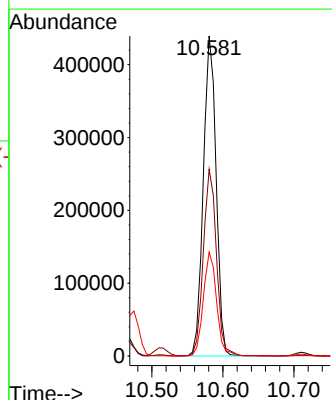
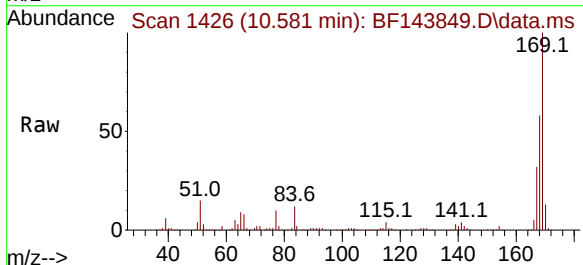
Instrument :
BNA_F
ClientSampleId :
12-8MSD

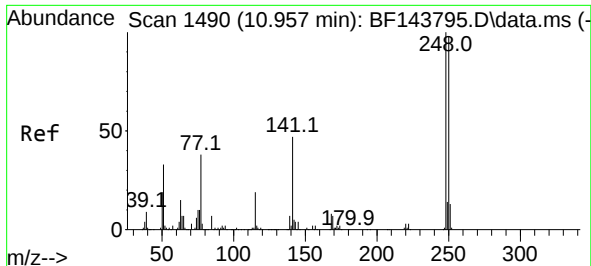
Tgt Ion:198 Resp: 69712
Ion Ratio Lower Upper
198 100
51 57.0 52.0 92.0
105 40.2 27.5 67.5



#66
n-Nitrosodiphenylamine
Concen: 52.068 ng
RT: 10.581 min Scan# 1426
Delta R.T. -0.006 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

Tgt Ion:169 Resp: 551875
Ion Ratio Lower Upper
169 100
168 58.4 47.9 71.9
167 32.5 27.0 40.6

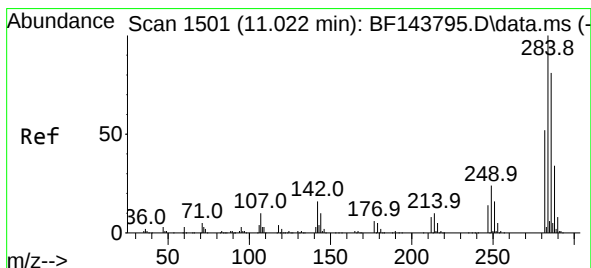
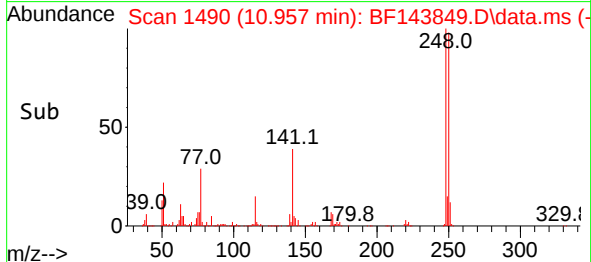
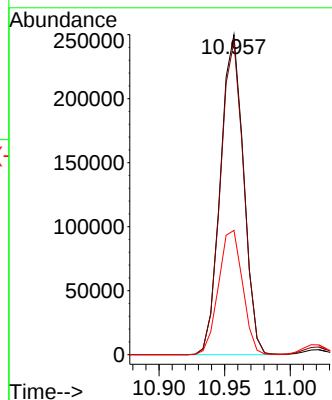
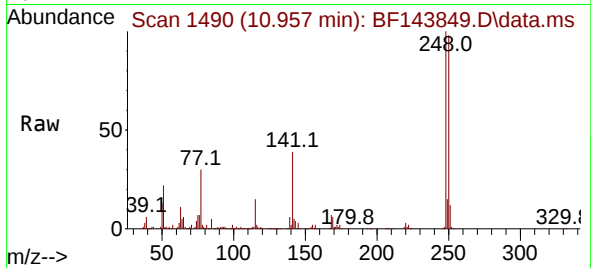




#67
4-Bromophenyl-phenylether
Concen: 55.852 ng
RT: 10.957 min Scan# 1490
Delta R.T. 0.000 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

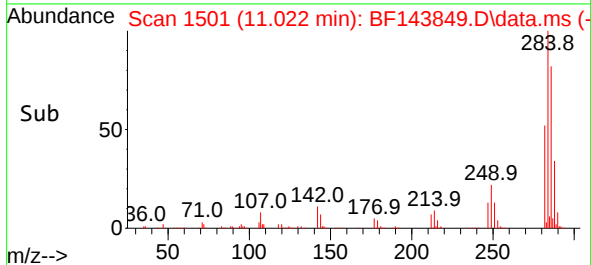
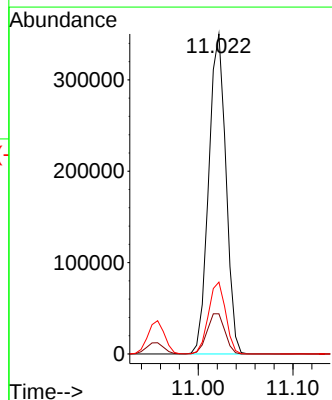
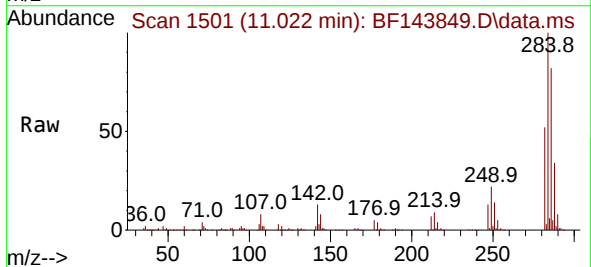
Instrument :
BNA_F
ClientSampleId :
12-8MSD

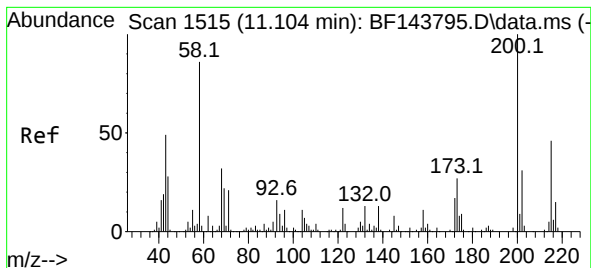
Tgt Ion:248 Resp: 306762
Ion Ratio Lower Upper
248 100
250 97.9 78.7 118.1
141 38.8 37.9 56.9



#68
Hexachlorobenzene
Concen: 58.461 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

Tgt Ion:284 Resp: 442496
Ion Ratio Lower Upper
284 100
142 12.6 13.1 19.7#
249 22.5 19.5 29.3





#69

Atrazine

Concen: 52.404 ng

RT: 11.110 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143849.D

Acq: 30 Sep 2025 23:00

Instrument :

BNA_F

ClientSampleId :

12-8MSD

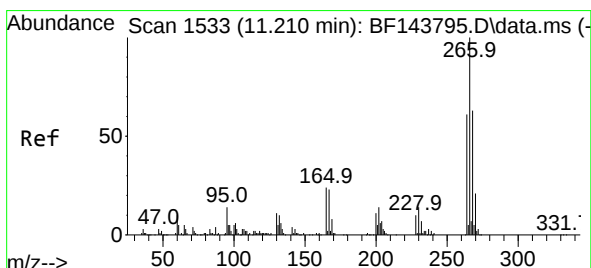
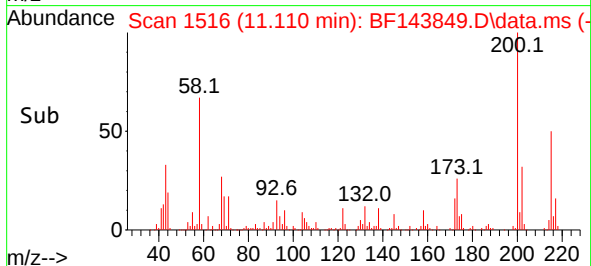
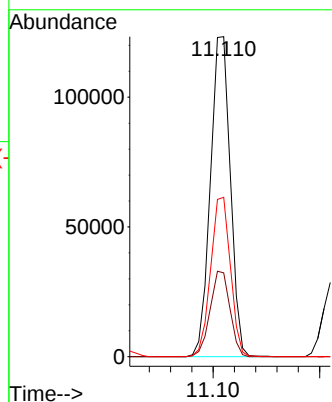
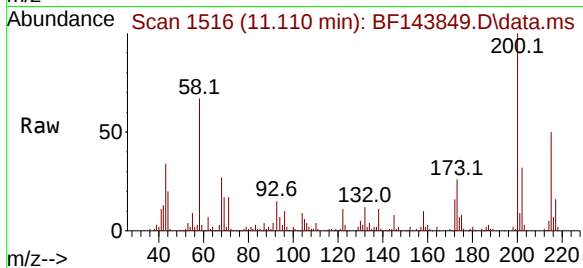
Tgt Ion:200 Resp: 160845

Ion Ratio Lower Upper

200 100

173 26.2 7.2 47.2

215 49.8 26.0 66.0



#70

Pentachlorophenol

Concen: 114.503 ng

RT: 11.216 min Scan# 1534

Delta R.T. 0.000 min

Lab File: BF143849.D

Acq: 30 Sep 2025 23:00

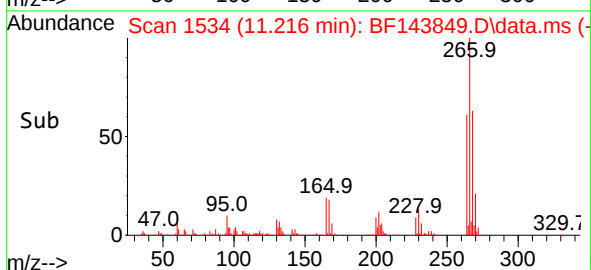
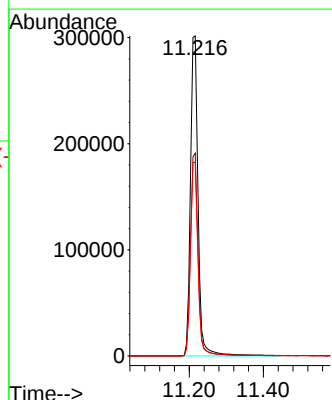
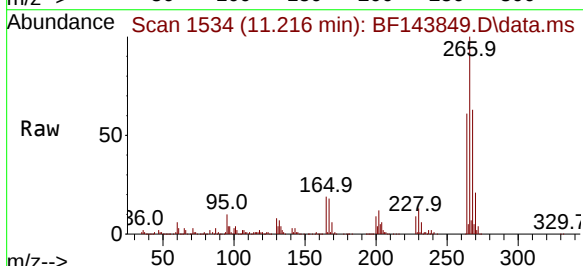
Tgt Ion:266 Resp: 431415

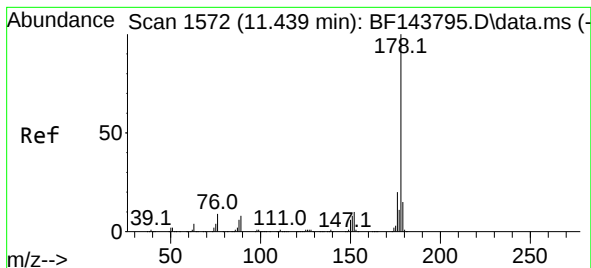
Ion Ratio Lower Upper

266 100

268 63.3 50.5 75.7

264 60.6 48.8 73.2





#71

Phenanthrene

Concen: 48.234 ng

RT: 11.439 min Scan# 1572

Delta R.T. 0.000 min

Lab File: BF143849.D

Acq: 30 Sep 2025 23:00

Instrument :

BNA_F

ClientSampleId :

12-8MSD

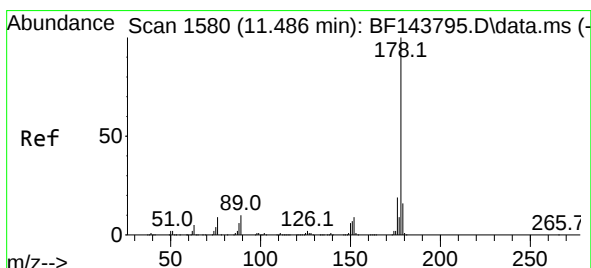
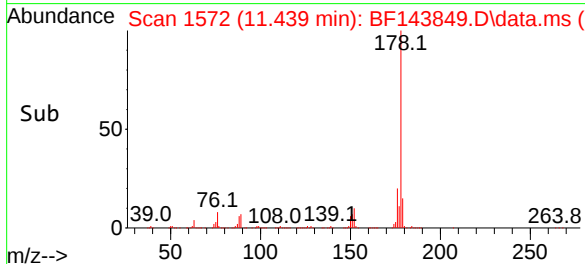
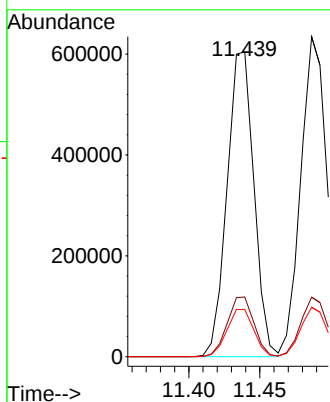
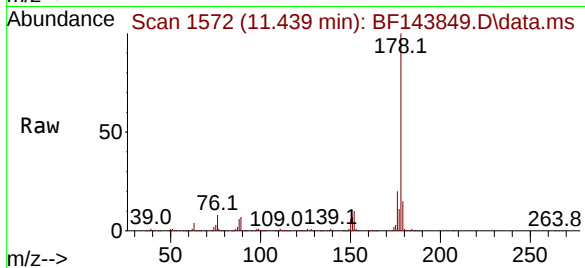
Tgt Ion:178 Resp: 798108

Ion Ratio Lower Upper

178 100

176 19.6 15.6 23.4

179 15.5 12.2 18.4



#72

Anthracene

Concen: 48.859 ng

RT: 11.486 min Scan# 1580

Delta R.T. -0.006 min

Lab File: BF143849.D

Acq: 30 Sep 2025 23:00

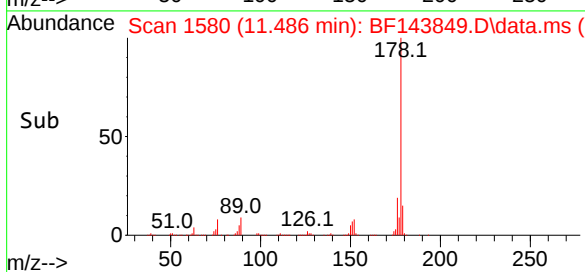
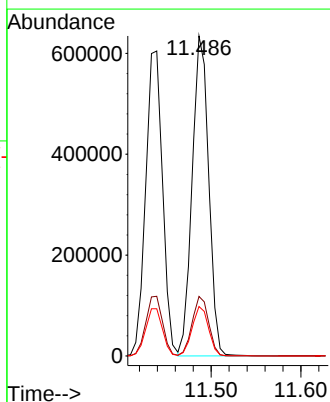
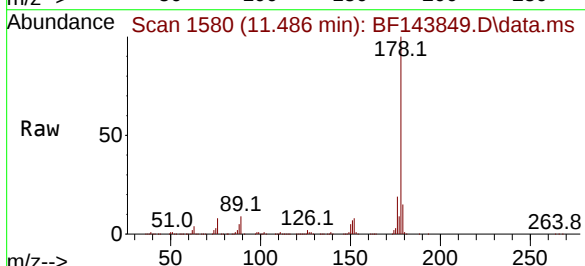
Tgt Ion:178 Resp: 810938

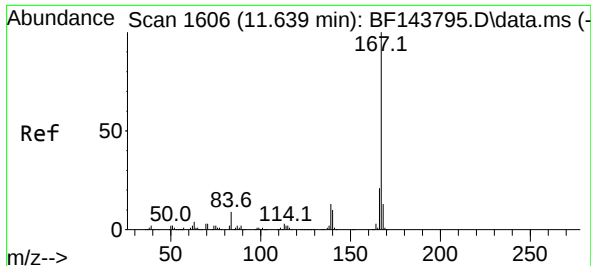
Ion Ratio Lower Upper

178 100

176 18.6 15.3 22.9

179 15.5 12.8 19.2

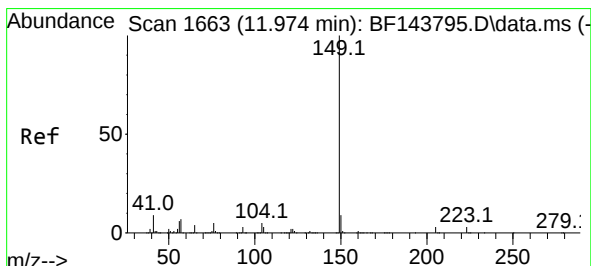
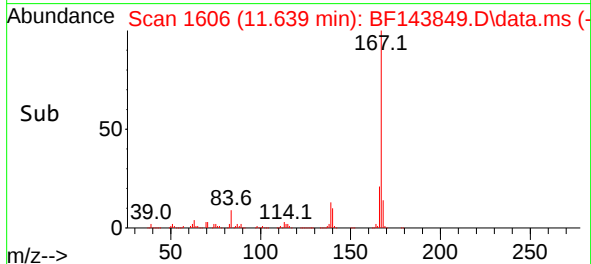
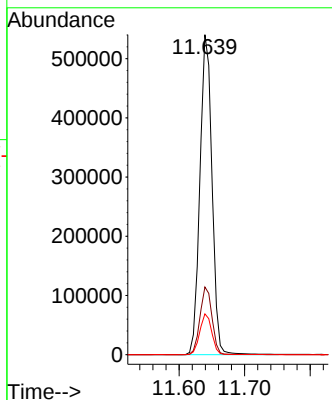
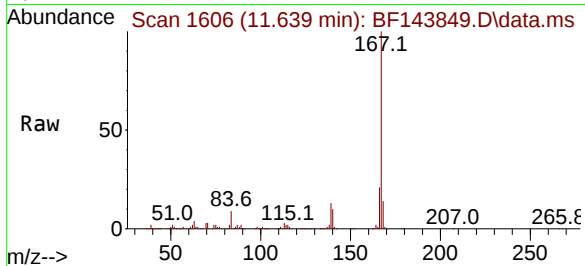




#73
 Carbazole
 Concen: 47.909 ng
 RT: 11.639 min Scan# 1606
 Delta R.T. -0.006 min
 Lab File: BF143849.D
 Acq: 30 Sep 2025 23:00

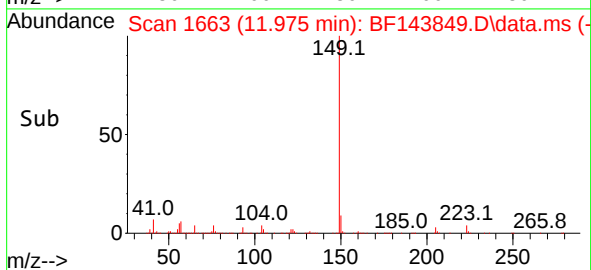
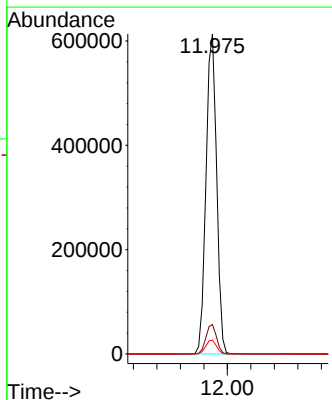
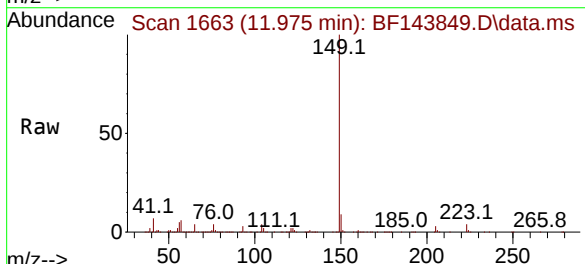
Instrument :
 BNA_F
 ClientSampleId :
 12-8MSD

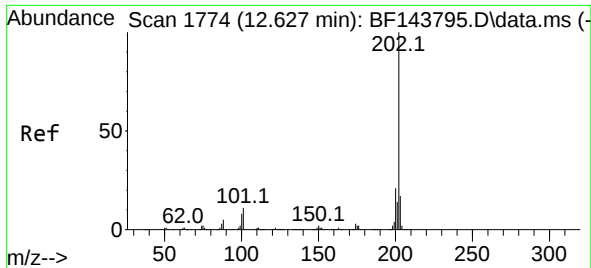
Tgt Ion:167 Resp: 695238
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.0 25.4
 139 12.8 10.6 15.8



#74
 Di-n-butylphthalate
 Concen: 46.141 ng
 RT: 11.975 min Scan# 1663
 Delta R.T. 0.000 min
 Lab File: BF143849.D
 Acq: 30 Sep 2025 23:00

Tgt Ion:149 Resp: 770069
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.3 10.9
 104 4.4 3.6 5.4

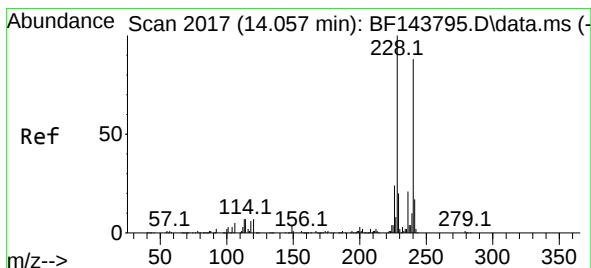
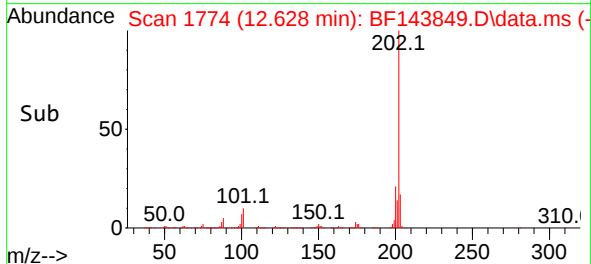
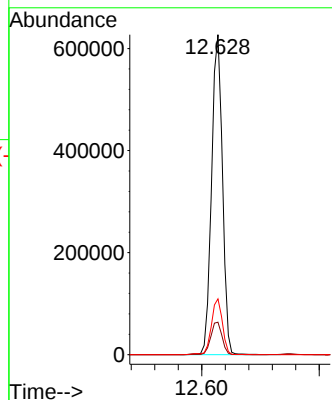
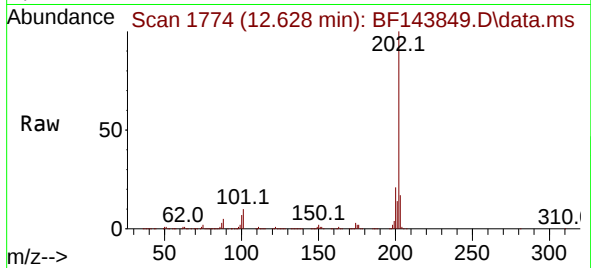




#75
 Fluoranthene
 Concen: 48.320 ng
 RT: 12.628 min Scan# 1774
 Delta R.T. 0.000 min
 Lab File: BF143849.D
 Acq: 30 Sep 2025 23:00

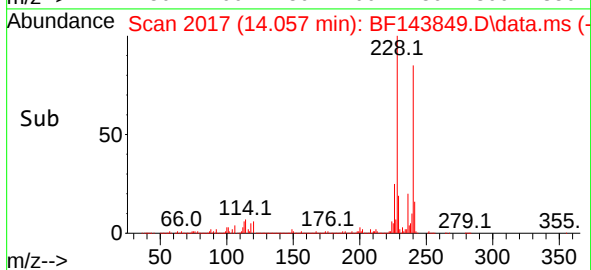
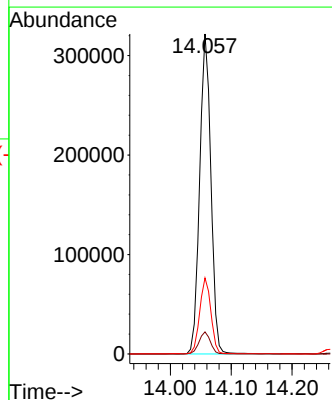
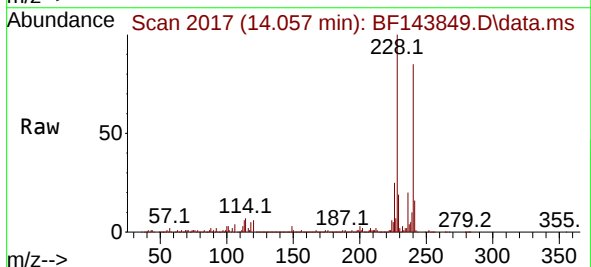
Instrument :
 BNA_F
 ClientSampleId :
 12-8MSD

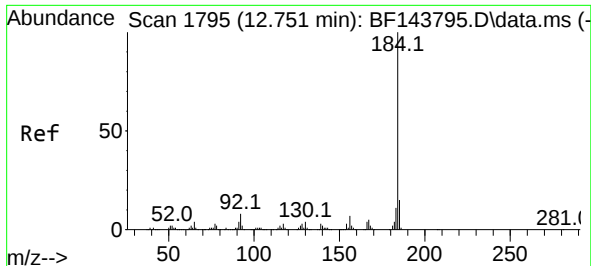
Tgt Ion:202 Resp: 804136
 Ion Ratio Lower Upper
 202 100
 101 10.2 0.0 31.1
 203 17.4 0.0 37.4



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.057 min Scan# 2017
 Delta R.T. -0.006 min
 Lab File: BF143849.D
 Acq: 30 Sep 2025 23:00

Tgt Ion:240 Resp: 412410
 Ion Ratio Lower Upper
 240 100
 120 6.9 6.2 9.4
 236 23.8 19.4 29.2

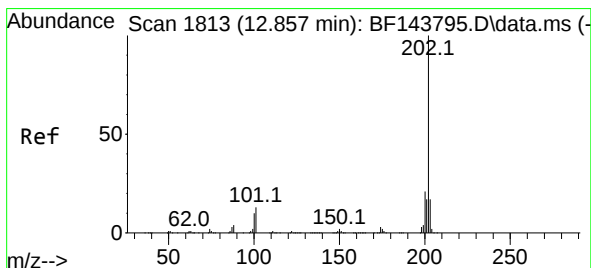
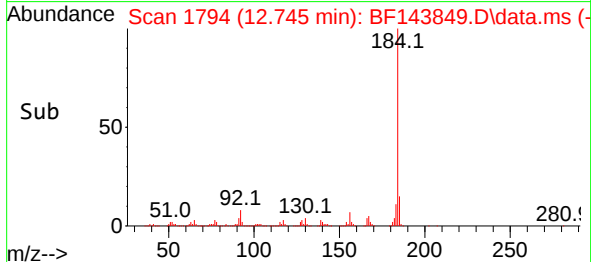
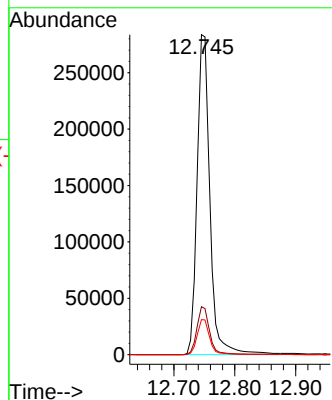
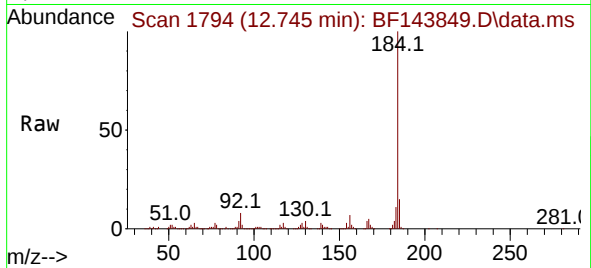




#77
Benzidine
Concen: 41.340 ng
RT: 12.745 min Scan# 1794
Delta R.T. -0.006 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

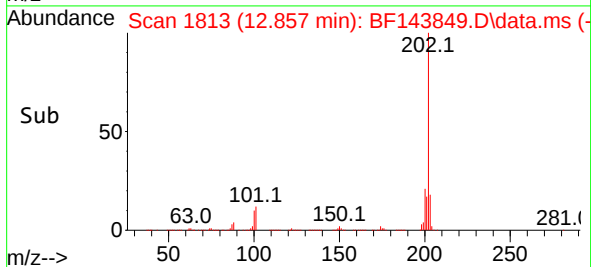
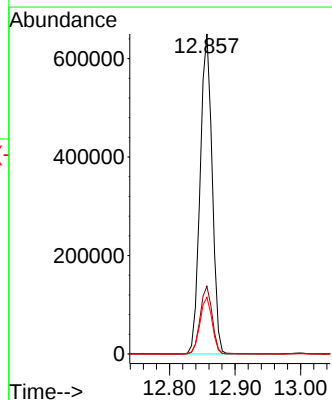
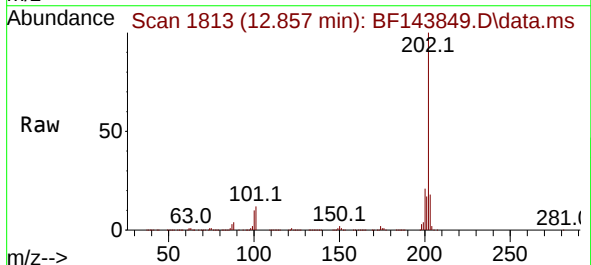
Instrument :
BNA_F
ClientSampleId :
12-8MSD

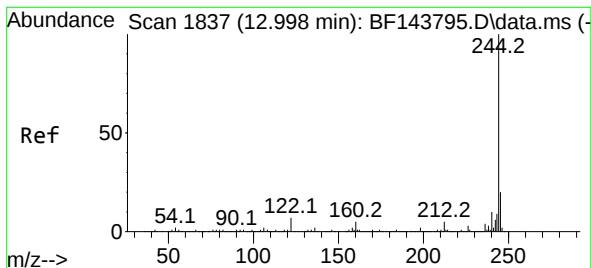
Tgt Ion:184 Resp: 415447
Ion Ratio Lower Upper
184 100
185 15.0 11.6 17.4
183 11.0 8.6 13.0



#78
Pyrene
Concen: 40.916 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

Tgt Ion:202 Resp: 829609
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 17.7 13.9 20.9





#79

Terphenyl-d14

Concen: 64.887 ng

RT: 12.998 min Scan# 1837

Delta R.T. -0.006 min

Lab File: BF143849.D

Acq: 30 Sep 2025 23:00

Instrument :

BNA_F

ClientSampleId :

12-8MSD

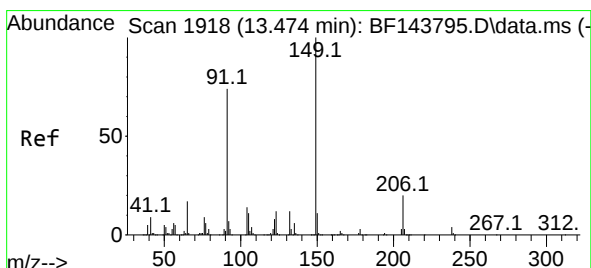
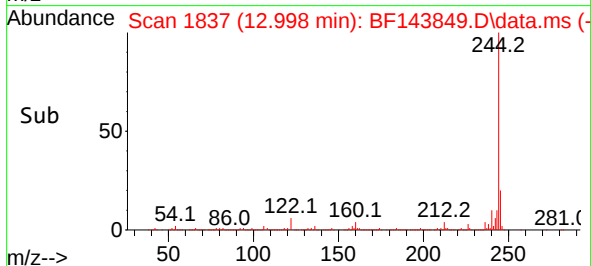
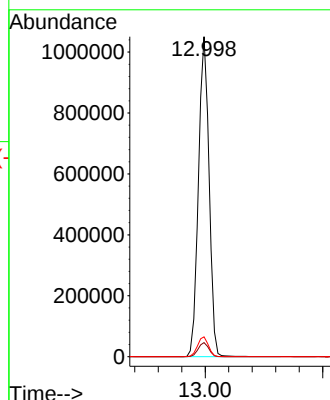
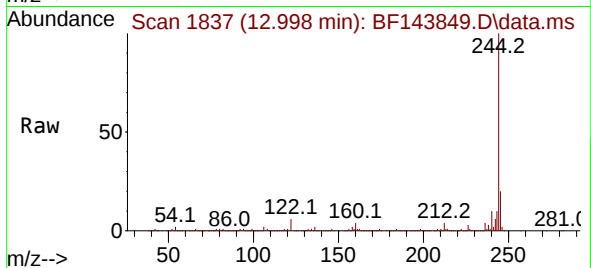
Tgt Ion:244 Resp: 1315811

Ion Ratio Lower Upper

244 100

212 4.4 3.9 5.9

122 6.2 5.6 8.4



#80

Butylbenzylphthalate

Concen: 44.633 ng

RT: 13.475 min Scan# 1918

Delta R.T. -0.006 min

Lab File: BF143849.D

Acq: 30 Sep 2025 23:00

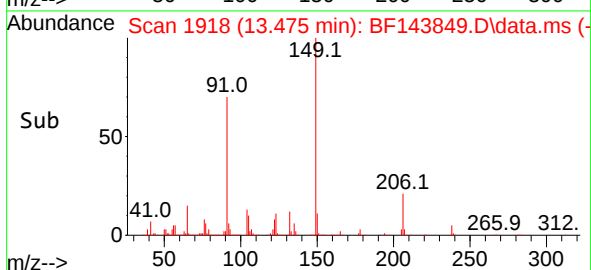
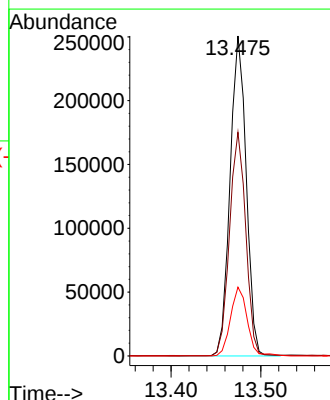
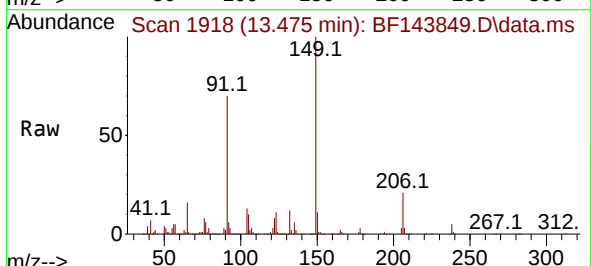
Tgt Ion:149 Resp: 313091

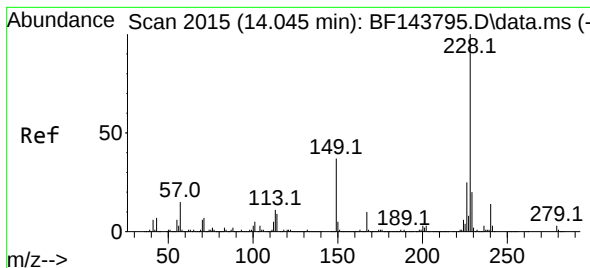
Ion Ratio Lower Upper

149 100

91 69.9 59.5 89.3

206 21.5 16.1 24.1





#81

Benzo(a)anthracene

Concen: 47.460 ng

RT: 14.045 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF143849.D

Acq: 30 Sep 2025 23:00

Instrument :

BNA_F

ClientSampleId :

12-8MSD

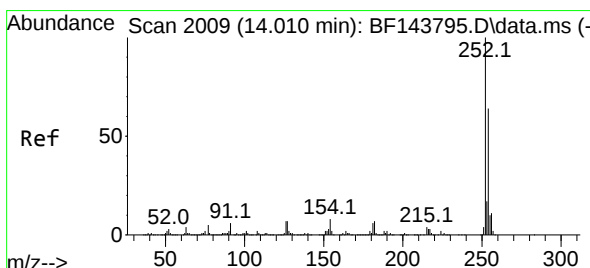
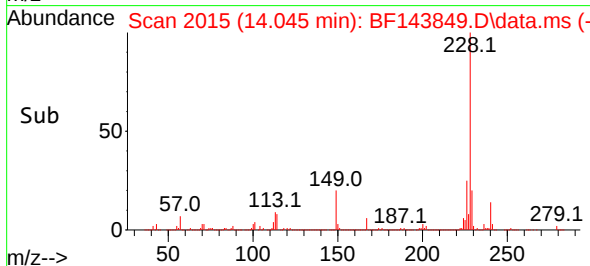
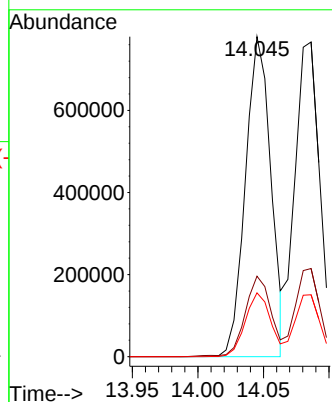
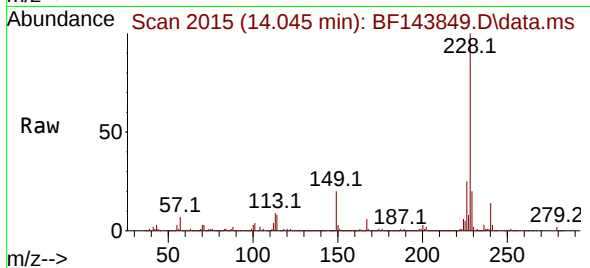
Tgt Ion:228 Resp: 1051489

Ion Ratio Lower Upper

228 100

226 25.2 20.2 30.2

229 20.0 16.1 24.1



#82

3,3'-Dichlorobenzidine

Concen: 38.948 ng

RT: 14.010 min Scan# 2009

Delta R.T. 0.000 min

Lab File: BF143849.D

Acq: 30 Sep 2025 23:00

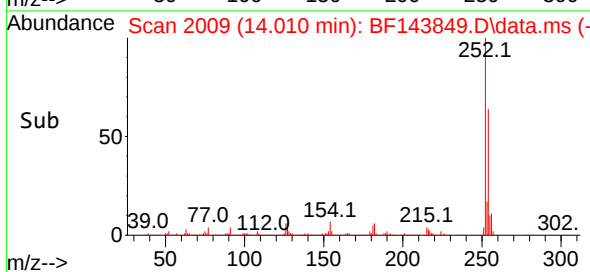
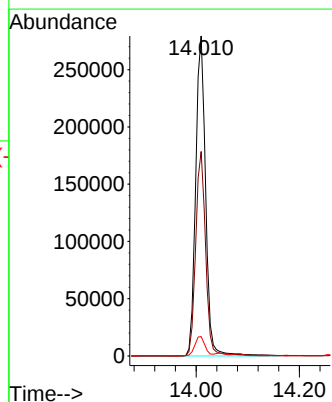
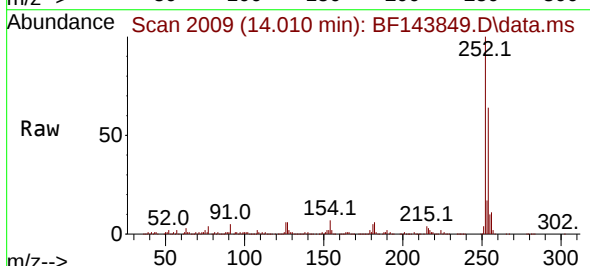
Tgt Ion:252 Resp: 373829

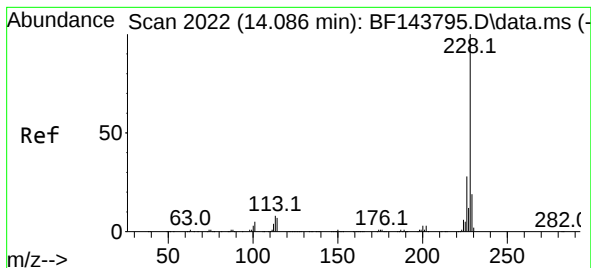
Ion Ratio Lower Upper

252 100

254 63.9 51.5 77.3

126 6.1 5.4 8.2





#83

Chrysene

Concen: 50.540 ng

RT: 14.086 min Scan# 2013

Delta R.T. 0.000 min

Lab File: BF143849.D

Acq: 30 Sep 2025 23:00

Instrument :

BNA_F

ClientSampleId :

12-8MSD

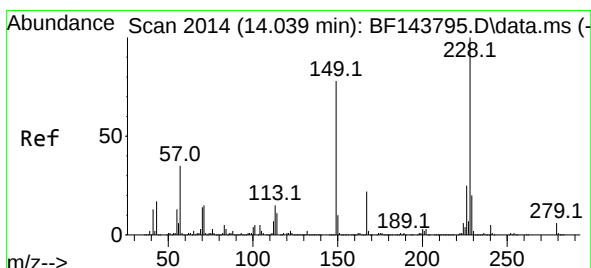
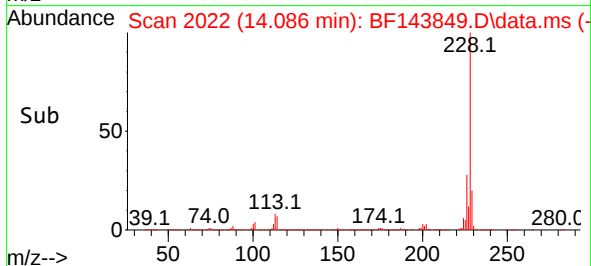
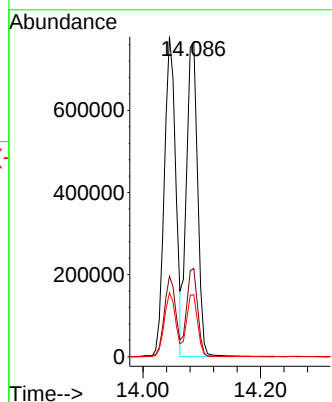
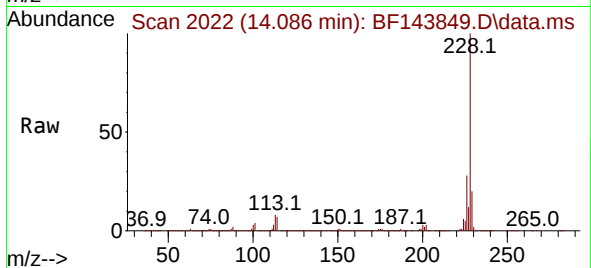
Tgt Ion:228 Resp: 1013208

Ion Ratio Lower Upper

228 100

226 28.0 22.6 33.8

229 19.7 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 40.092 ng

RT: 14.033 min Scan# 2013

Delta R.T. -0.006 min

Lab File: BF143849.D

Acq: 30 Sep 2025 23:00

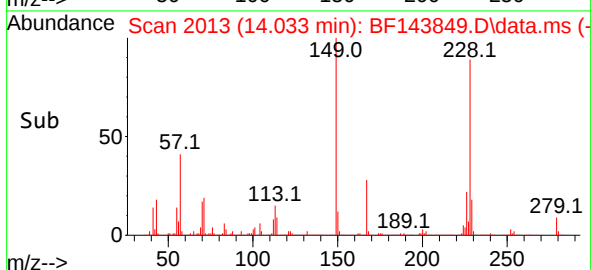
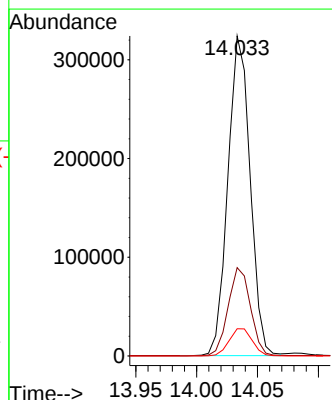
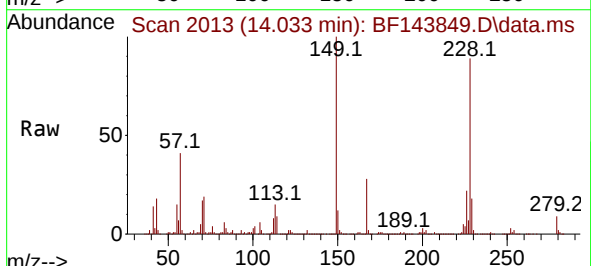
Tgt Ion:149 Resp: 412233

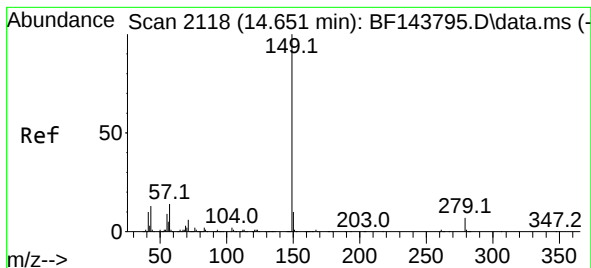
Ion Ratio Lower Upper

149 100

167 27.6 22.2 33.2

279 8.5 6.0 9.0

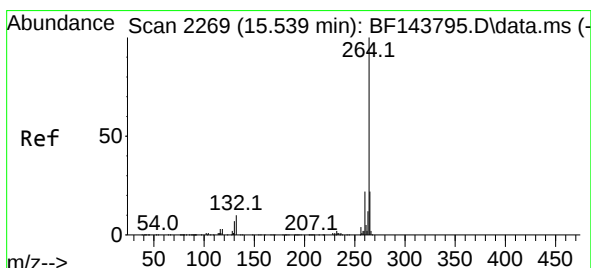
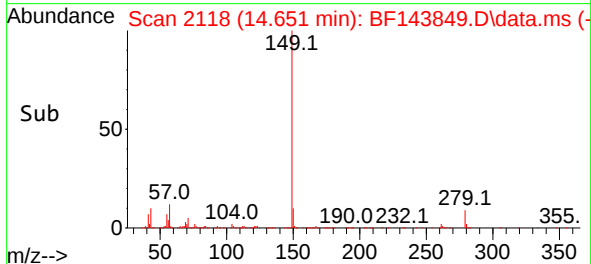
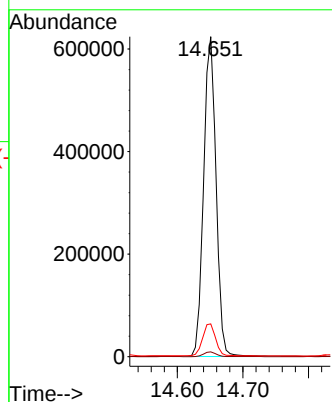
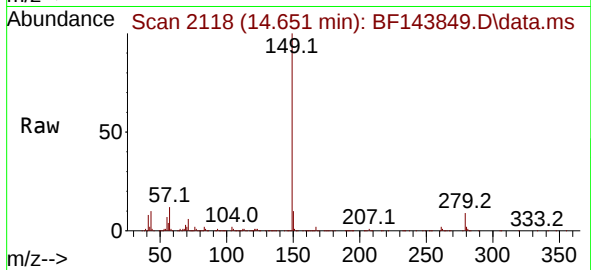




#85
Di-n-octyl phthalate
Concen: 44.180 ng
RT: 14.651 min Scan# 2118
Delta R.T. -0.006 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

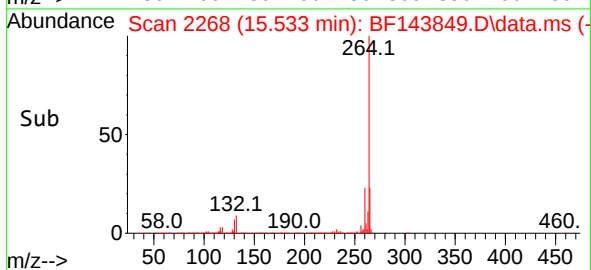
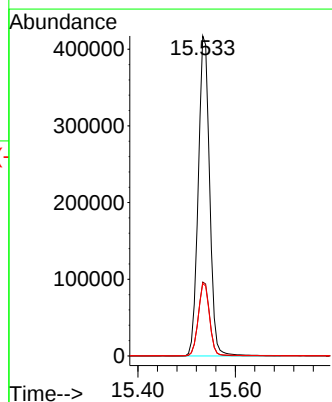
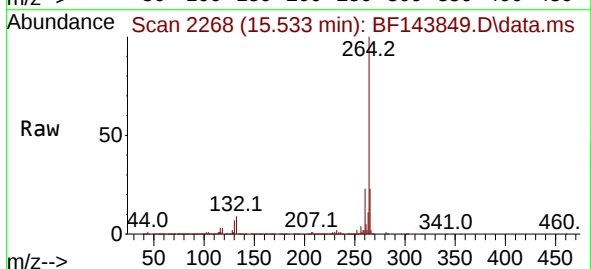
Instrument :
BNA_F
ClientSampleId :
12-8MSD

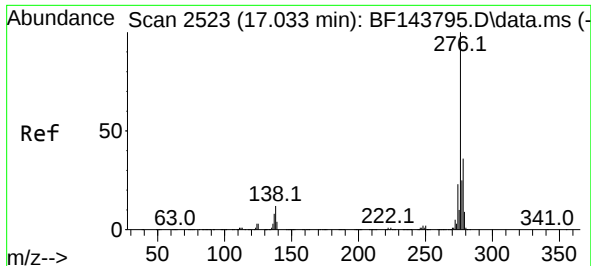
Tgt Ion:149 Resp: 824023
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 10.2 10.7 16.1#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF143849.D
Acq: 30 Sep 2025 23:00

Tgt Ion:264 Resp: 677435
Ion Ratio Lower Upper
264 100
260 23.1 17.9 26.9
265 22.7 17.7 26.5

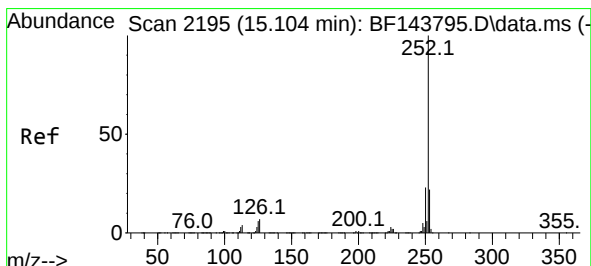
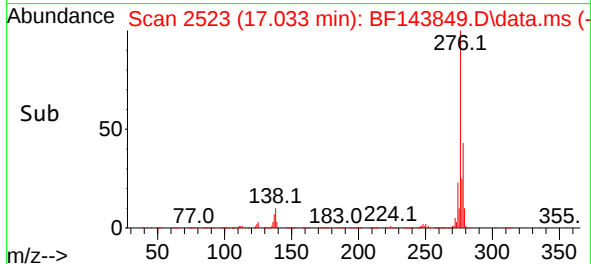
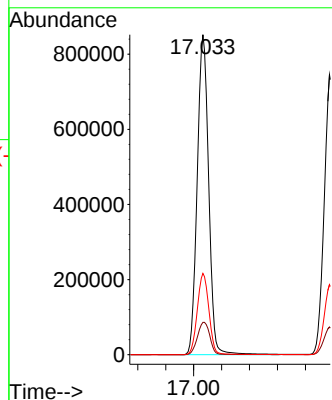
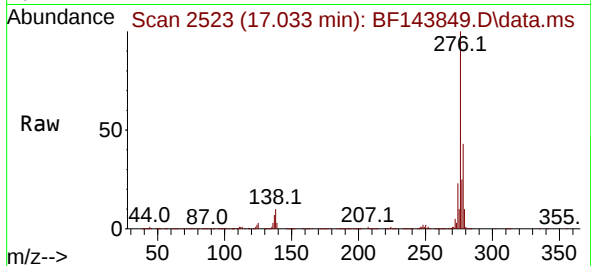




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 47.025 ng
 RT: 17.033 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF143849.D
 Acq: 30 Sep 2025 23:00

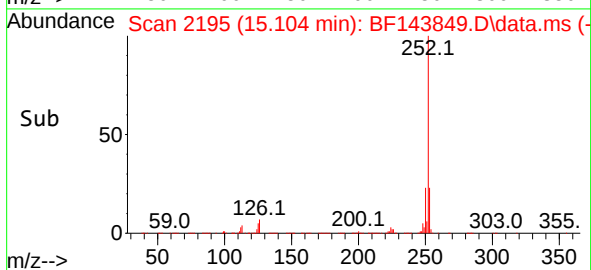
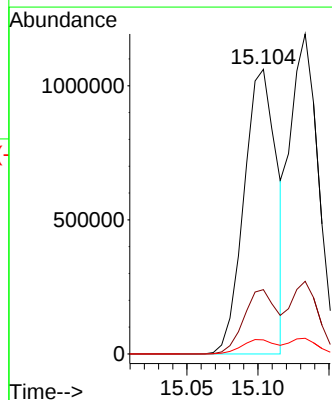
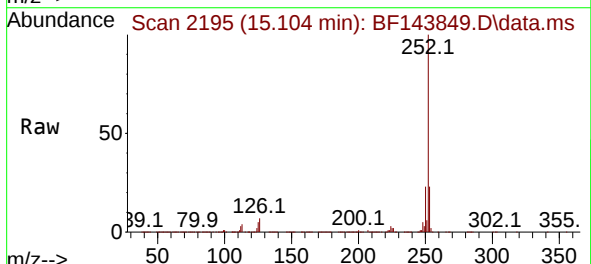
Instrument :
 BNA_F
 ClientSampleId :
 12-8MSD

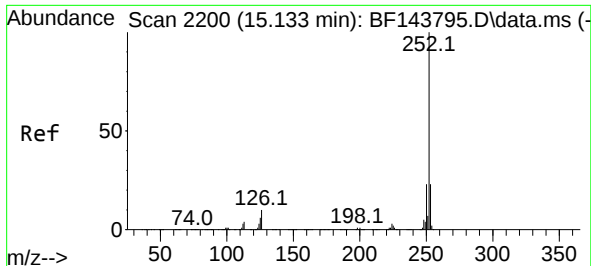
Tgt Ion:276 Resp: 2417048
 Ion Ratio Lower Upper
 276 100
 138 10.9 10.6 15.8
 277 25.8 20.7 31.1



#88
 Benzo(b)fluoranthene
 Concen: 49.305 ng
 RT: 15.104 min Scan# 2195
 Delta R.T. 0.000 min
 Lab File: BF143849.D
 Acq: 30 Sep 2025 23:00

Tgt Ion:252 Resp: 1700931
 Ion Ratio Lower Upper
 252 100
 253 22.6 17.8 26.8
 125 4.9 4.4 6.6





#89

Benzo(k)fluoranthene

Concen: 47.965 ng

RT: 15.133 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143849.D

Acq: 30 Sep 2025 23:00

Instrument :

BNA_F

ClientSampleId :

12-8MSD

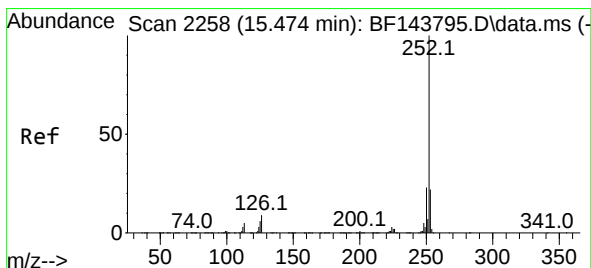
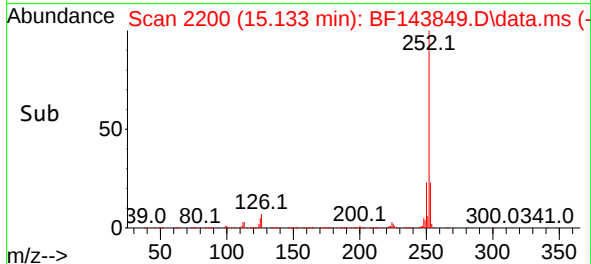
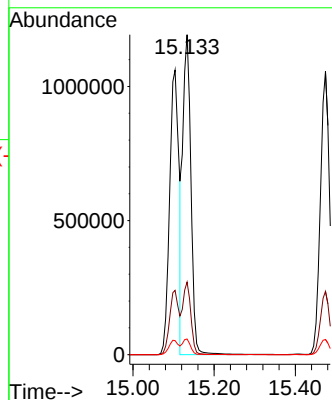
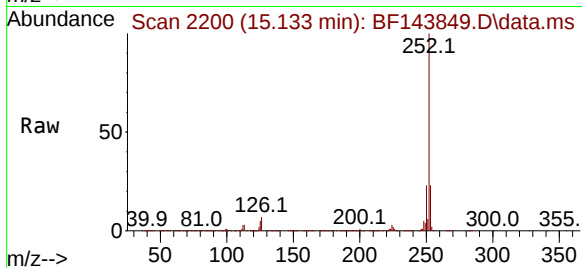
Tgt Ion:252 Resp: 1662419

Ion Ratio Lower Upper

252 100

253 22.7 17.9 26.9

125 4.9 4.6 6.8



#90

Benzo(a)pyrene

Concen: 51.277 ng

RT: 15.474 min Scan# 2258

Delta R.T. -0.006 min

Lab File: BF143849.D

Acq: 30 Sep 2025 23:00

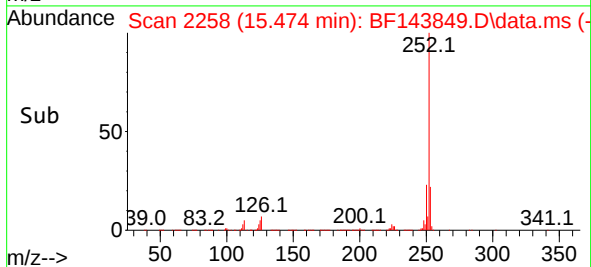
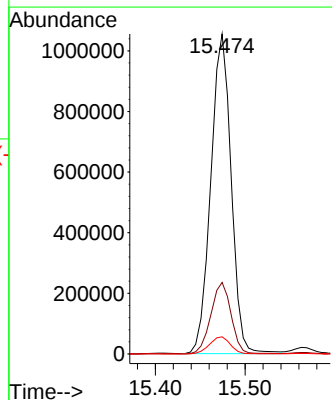
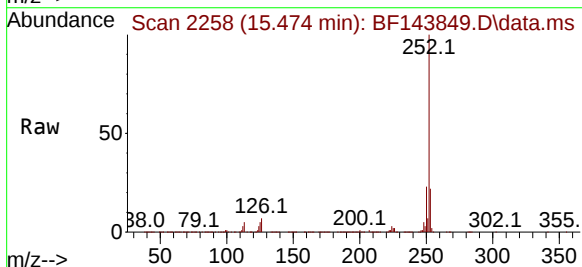
Tgt Ion:252 Resp: 1662808

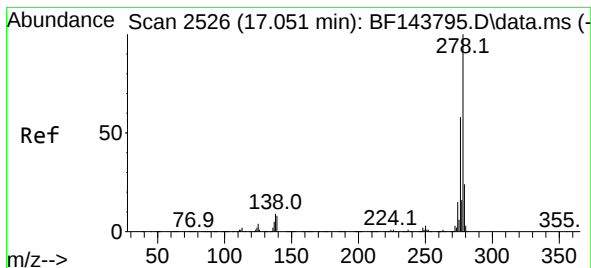
Ion Ratio Lower Upper

252 100

253 22.4 17.6 26.4

125 5.4 5.0 7.4





#91

Dibenzo(a,h)anthracene

Concen: 47.158 ng

RT: 17.051 min Scan# 21

Delta R.T. -0.017 min

Lab File: BF143849.D

Acq: 30 Sep 2025 23:00

Instrument :

BNA_F

ClientSampleId :

12-8MSD

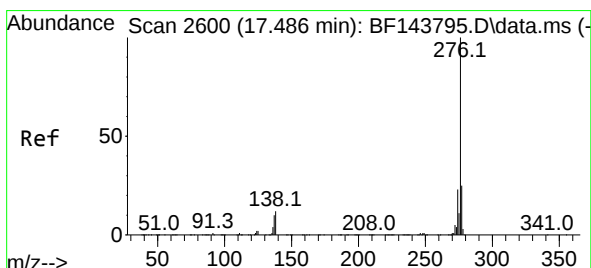
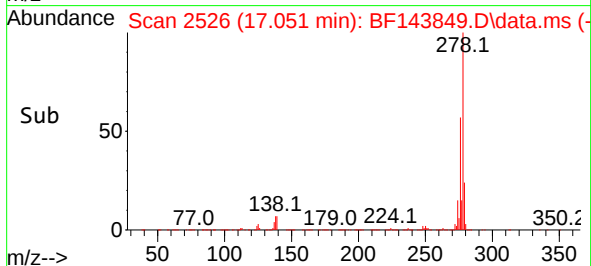
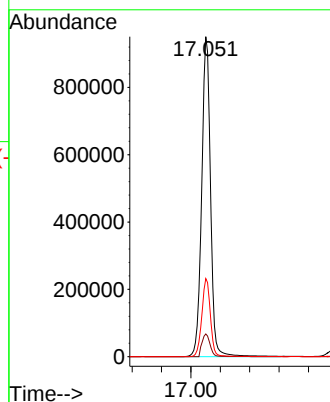
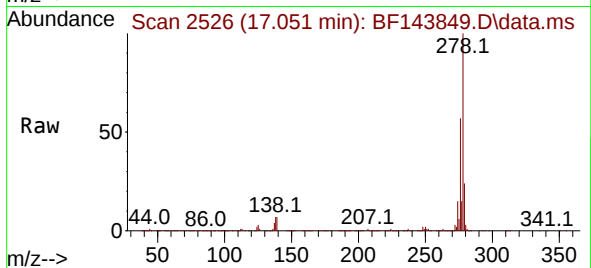
Tgt Ion:278 Resp: 1982526

Ion Ratio Lower Upper

278 100

139 7.1 6.7 10.1

279 24.4 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 46.053 ng

RT: 17.486 min Scan# 2600

Delta R.T. -0.017 min

Lab File: BF143849.D

Acq: 30 Sep 2025 23:00

Tgt Ion:276 Resp: 1866318

Ion Ratio Lower Upper

276 100

277 25.0 19.6 29.4

138 9.9 9.2 13.8

