

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121724\
 Data File : BF140893.D
 Acq On : 17 Dec 2024 18:41
 Operator : RC/JU
 Sample : P5301-03MSD
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-04-121624MSD

Quant Time: Dec 18 00:14:06 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:59:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	47972	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	165219	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	85243	20.000	ng	0.00
64) Phenanthrene-d10	11.381	188	161211	20.000	ng	0.00
76) Chrysene-d12	14.039	240	134763	20.000	ng	# 0.00
86) Perylene-d12	15.533	264	119111	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	316769	108.701	ng	0.01
7) Phenol-d6	6.504	99	402713	104.335	ng	0.00
23) Nitrobenzene-d5	7.416	82	256995	77.822	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	111637	110.731	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	455542	73.473	ng	0.00
79) Terphenyl-d14	12.963	244	490134	57.351	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.652	88	57048	45.449	ng	99
3) Pyridine	3.434	79	144356	49.660	ng	99
4) n-Nitrosodimethylamine	3.381	42	76452	52.170	ng	98
6) Aniline	6.522	93	82174	24.900	ng	# 38
8) 2-Chlorophenol	6.651	128	157524	49.569	ng	98
9) Benzaldehyde	6.410	77	33791	15.800	ng	95
10) Phenol	6.522	94	194469	48.612	ng	92
11) bis(2-Chloroethyl)ether	6.587	93	152710	51.188	ng	99
12) 1,3-Dichlorobenzene	6.793	146	172115	47.531	ng	98
13) 1,4-Dichlorobenzene	6.869	146	174719	47.534	ng	98
14) 1,2-Dichlorobenzene	7.022	146	161482	46.563	ng	98
15) Benzyl Alcohol	7.004	79	138700	50.258	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.122	45	177267	50.440	ng	90
17) 2-Methylphenol	7.128	107	117265	46.219	ng	99
18) Hexachloroethane	7.357	117	53327	38.971	ng	96
19) n-Nitroso-di-n-propyla...	7.263	70	109984	47.503	ng	99
20) 3+4-Methylphenols	7.287	107	157565	46.834	ng	# 66
22) Acetophenone	7.263	105	225959	54.672	ng	# 93
24) Nitrobenzene	7.434	77	161690	47.793	ng	100
25) Isophorone	7.675	82	291168	52.622	ng	99
26) 2-Nitrophenol	7.751	139	64872	41.634	ng	98
27) 2,4-Dimethylphenol	7.798	122	114187	62.751	ng	99
28) bis(2-Chloroethoxy)met...	7.875	93	172729	49.981	ng	96
29) 2,4-Dichlorophenol	8.016	162	127837	50.885	ng	99
30) 1,2,4-Trichlorobenzene	8.075	180	134018	46.535	ng	98
31) Naphthalene	8.151	128	444349	48.961	ng	100
32) Benzoic acid	7.934	122	74072	42.921	ng	87
33) 4-Chloroaniline	8.222	127	70505	23.390	ng	99
34) Hexachlorobutadiene	8.263	225	93768	48.393	ng	99
35) Caprolactam	8.581	113	37550	50.206	ng	# 85
36) 4-Chloro-3-methylphenol	8.710	107	130192	46.044	ng	100
37) 2-Methylnaphthalene	8.845	142	290002	48.305	ng	99
38) 1-Methylnaphthalene	8.945	142	271554	45.736	ng	99
40) 1,2,4,5-Tetrachloroben...	9.010	216	141335	53.943	ng	98
41) Hexachlorocyclopentadiene	8.992	237	2674	5.594	ng	91
43) 2,4,6-Trichlorophenol	9.134	196	86984	54.218	ng	100

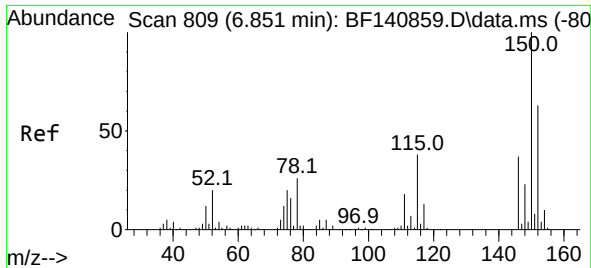
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.187	196	89945	51.008	ng	# 94
46) 1,1'-Biphenyl	9.310	154	359601	53.051	ng	100
47) 2-Chloronaphthalene	9.334	162	261875	50.501	ng	98
48) 2-Nitroaniline	9.439	65	90812	57.986	ng	98
49) Acenaphthylene	9.751	152	416439	54.647	ng	99
50) Dimethylphthalate	9.604	163	316900	52.730	ng	100
51) 2,6-Dinitrotoluene	9.681	165	56393	41.046	ng	96
52) Acenaphthene	9.922	154	250683	51.498	ng	99
53) 3-Nitroaniline	9.851	138	68483	50.228	ng	98
54) 2,4-Dinitrophenol	9.986	184	3015	10.671	ng	# 10
55) Dibenzofuran	10.092	168	390962	51.831	ng	98
56) 4-Nitrophenol	10.039	139	75920	102.212	ng	86
57) 2,4-Dinitrotoluene	10.086	165	72848	40.299	ng	# 93
58) Fluorene	10.439	166	314839	50.593	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.222	232	73980	51.487	ng	# 85
60) Diethylphthalate	10.304	149	319475	51.264	ng	100
61) 4-Chlorophenyl-phenyle...	10.428	204	152727	48.858	ng	99
62) 4-Nitroaniline	10.469	138	73252	51.413	ng	95
63) Azobenzene	10.586	77	308392	52.637	ng	96
65) 4,6-Dinitro-2-methylph...	10.510	198	4251	4.653	ng	# 1
66) n-Nitrosodiphenylamine	10.545	169	272947	55.068	ng	99
67) 4-Bromophenyl-phenylether	10.916	248	90892	50.397	ng	96
68) Hexachlorobenzene	10.992	284	98517	48.179	ng	95
69) Atrazine	11.075	200	82523	59.614	ng	97
70) Pentachlorophenol	11.198	266	87626	117.211	ng	98
71) Phenanthrene	11.404	178	541157	65.277	ng	99
72) Anthracene	11.457	178	465183	56.979	ng	99
73) Carbazole	11.616	167	415998	52.021	ng	99
74) Di-n-butylphthalate	11.933	149	517794	55.173	ng	99
75) Fluoranthene	12.598	202	643521	67.402	ng	99
77) Benzidine	12.722	184	187095	68.023	ng	97
78) Pyrene	12.827	202	667308	55.684	ng	99
80) Butylbenzylphthalate	13.433	149	229440	52.033	ng	97
81) Benzo(a)anthracene	14.027	228	559281	58.557	ng	99
82) 3,3'-Dichlorobenzidine	13.980	252	119884	41.603	ng	99
83) Chrysene	14.063	228	493068	56.771	ng	99
84) Bis(2-ethylhexyl)phtha...	13.992	149	389399	68.487	ng	99
85) Di-n-octyl phthalate	14.621	149	552136	64.188	ng	98
87) Indeno(1,2,3-cd)pyrene	17.057	276	403023	54.221	ng	98
88) Benzo(b)fluoranthene	15.098	252	480482	58.113	ng	# 97
89) Benzo(k)fluoranthene	15.127	252	365269	51.502	ng	# 97
90) Benzo(a)pyrene	15.474	252	390101	60.255	ng	98
91) Dibenzo(a,h)anthracene	17.057	278	326635	53.044	ng	99
92) Benzo(g,h,i)perylene	17.510	276	303260	48.388	ng	98

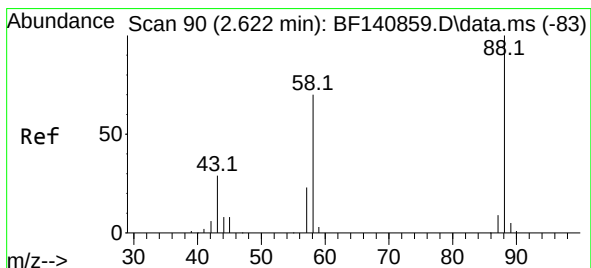
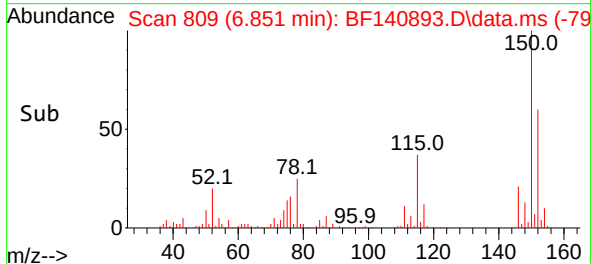
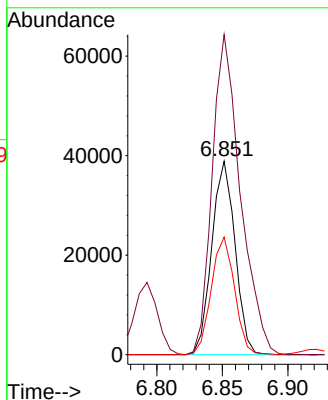
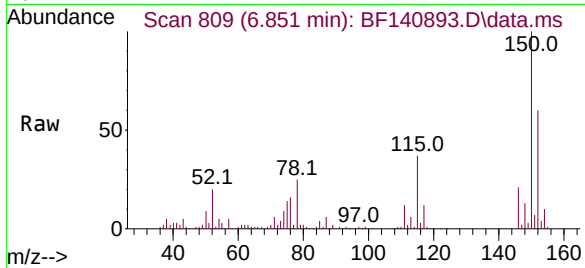
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.851 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: BF140893.D
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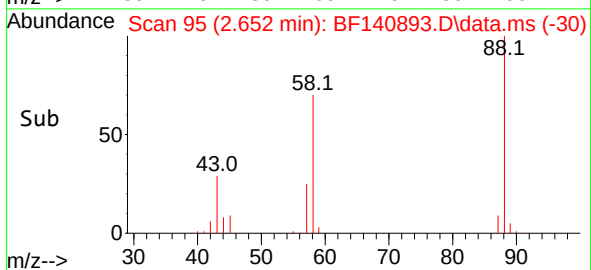
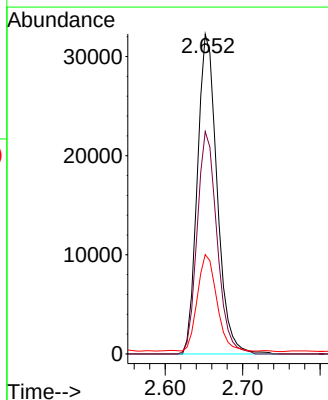
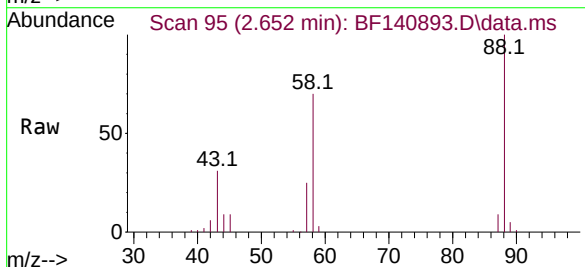
Instrument :
 BNA_F
 ClientSampleId :
 HR-04-121624MSD

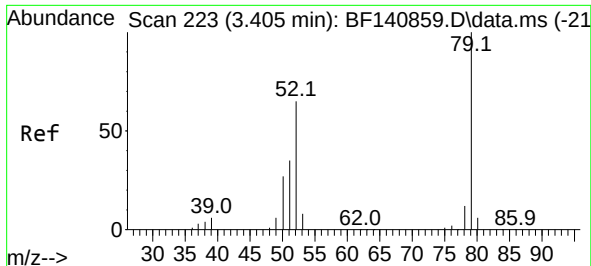
Tgt Ion:152 Resp: 47972
 Ion Ratio Lower Upper
 152 100
 150 165.4 127.9 191.9
 115 60.8 48.0 72.0



#2
 1,4-Dioxane
 Concen: 45.449 ng
 RT: 2.652 min Scan# 95
 Delta R.T. 0.029 min
 Lab File: BF140893.D
 Acq: 17 Dec 2024 18:41

Tgt Ion: 88 Resp: 57048
 Ion Ratio Lower Upper
 88 100
 58 70.0 55.8 83.8
 43 29.6 22.7 34.1





#3

Pyridine

Concen: 49.660 ng

RT: 3.434 min Scan# 219

Delta R.T. 0.029 min

Lab File: BF140893.D

Acq: 17 Dec 2024 18:41

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

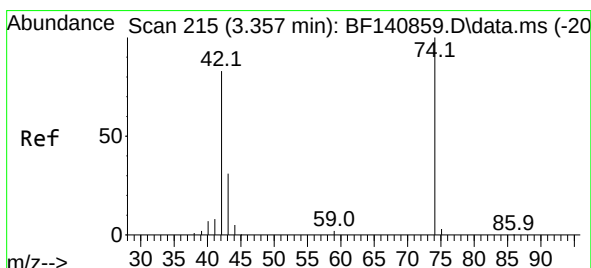
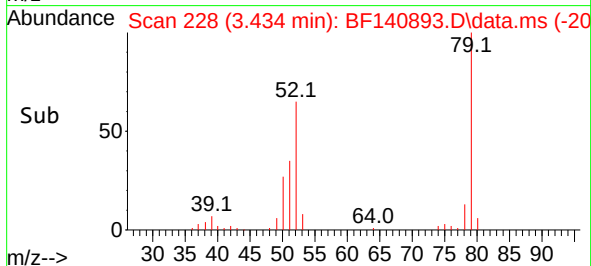
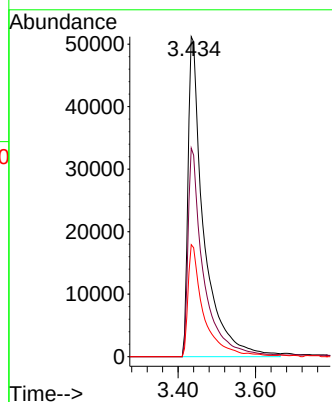
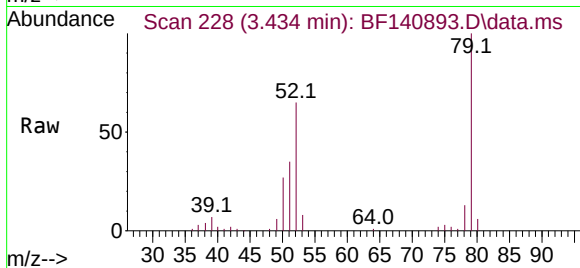
Tgt Ion: 79 Resp: 144356

Ion Ratio Lower Upper

79 100

52 65.2 51.7 77.5

51 35.0 28.2 42.4



#4

n-Nitrosodimethylamine

Concen: 52.170 ng

RT: 3.381 min Scan# 219

Delta R.T. 0.024 min

Lab File: BF140893.D

Acq: 17 Dec 2024 18:41

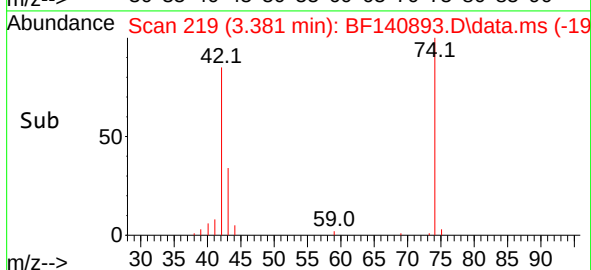
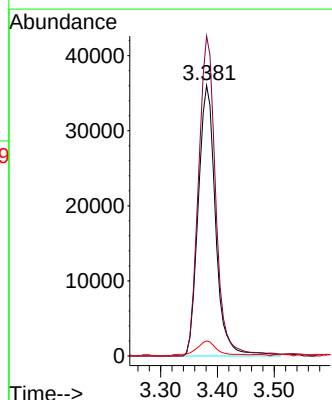
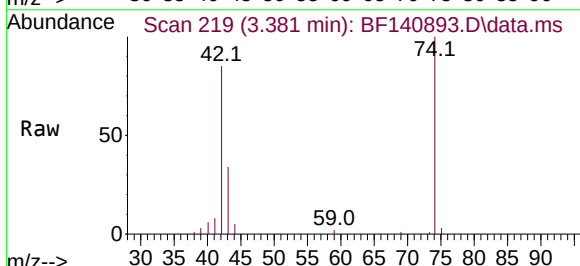
Tgt Ion: 42 Resp: 76452

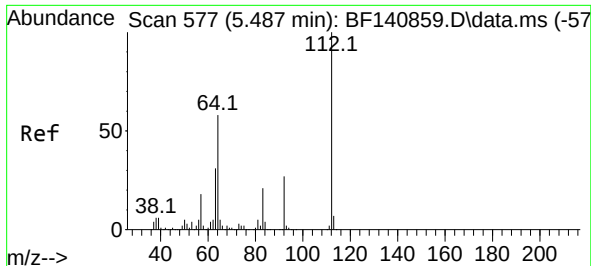
Ion Ratio Lower Upper

42 100

74 118.2 96.9 145.3

44 5.6 4.4 6.6

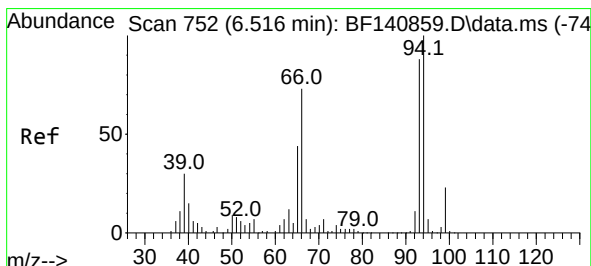
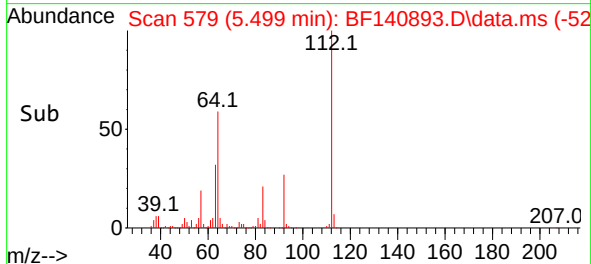
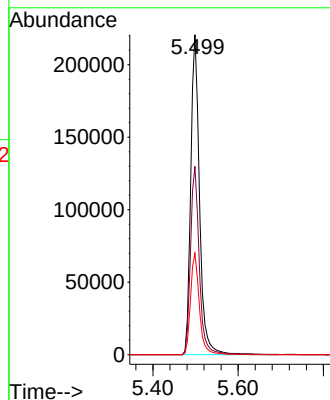
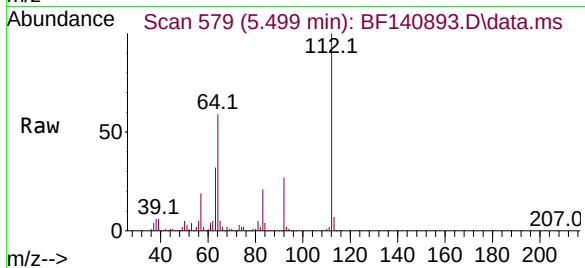




#5
2-Fluorophenol
Concen: 108.701 ng
RT: 5.499 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

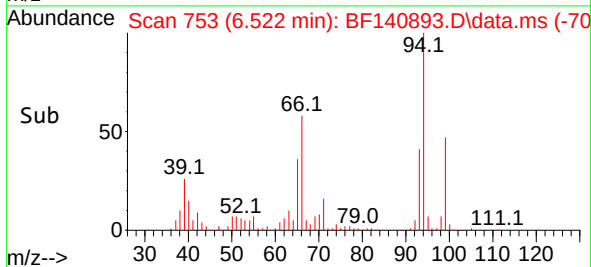
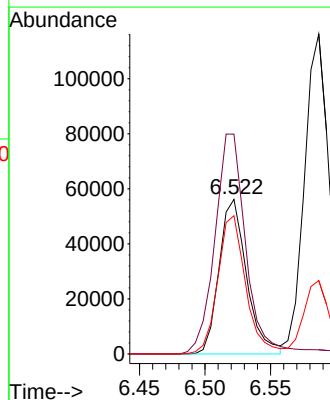
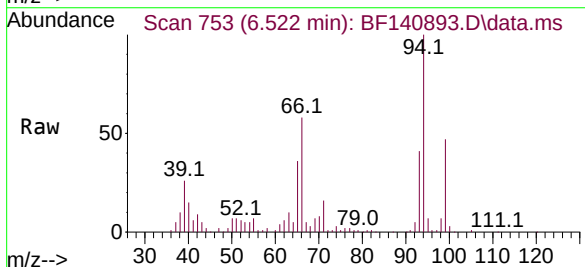
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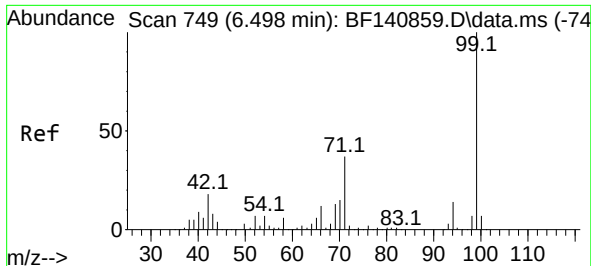
Tgt Ion:112 Resp: 316769
Ion Ratio Lower Upper
112 100
64 58.8 46.1 69.1
63 31.7 24.9 37.3



#6
Aniline
Concen: 24.900 ng
RT: 6.522 min Scan# 753
Delta R.T. 0.006 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

Tgt Ion: 93 Resp: 82174
Ion Ratio Lower Upper
93 100
66 142.3 67.0 100.4#
65 89.4 40.4 60.6#

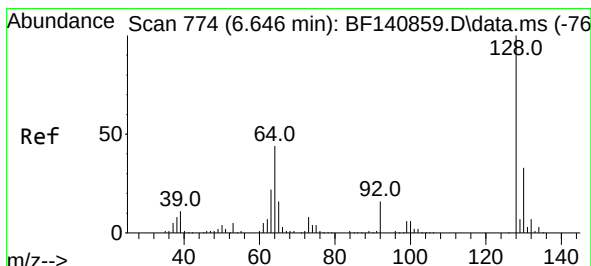
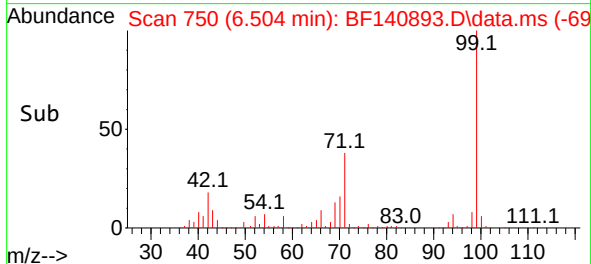
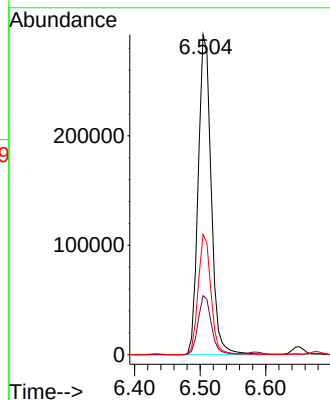
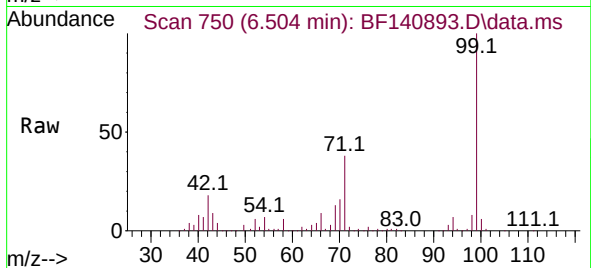




#7
Phenol-d6
Concen: 104.335 ng
RT: 6.504 min Scan# 711
Delta R.T. 0.006 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

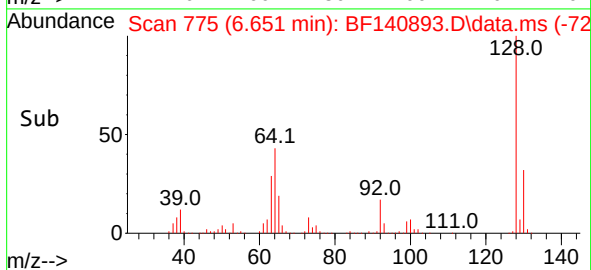
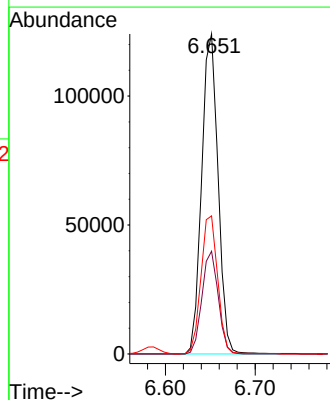
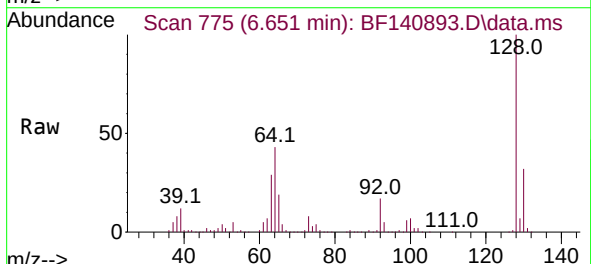
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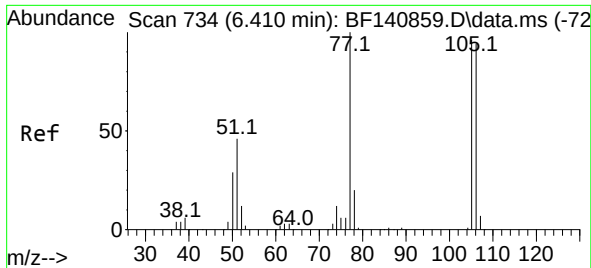
Tgt Ion: 99 Resp: 402713
Ion Ratio Lower Upper
99 100
42 18.5 14.3 21.5
71 37.6 29.9 44.9



#8
2-Chlorophenol
Concen: 49.569 ng
RT: 6.651 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

Tgt Ion: 128 Resp: 157524
Ion Ratio Lower Upper
128 100
130 32.1 12.9 52.9
64 43.1 24.3 64.3





#9

Benzaldehyde

Concen: 15.800 ng

RT: 6.410 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF140893.D

Acq: 17 Dec 2024 18:41

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

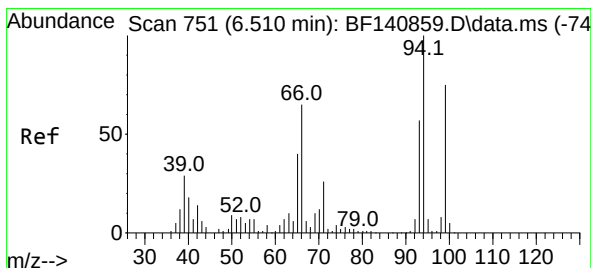
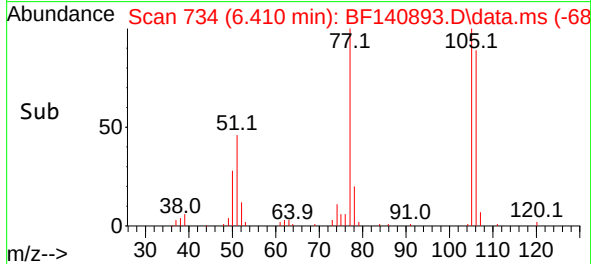
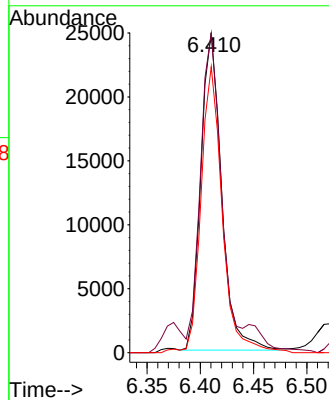
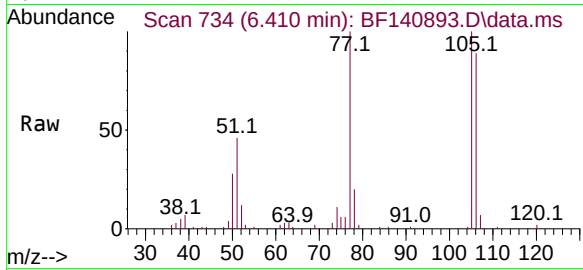
Tgt Ion: 77 Resp: 33791

Ion Ratio Lower Upper

77 100

105 99.8 75.8 115.8

106 89.4 74.1 114.1



#10

Phenol

Concen: 48.612 ng

RT: 6.522 min Scan# 753

Delta R.T. 0.012 min

Lab File: BF140893.D

Acq: 17 Dec 2024 18:41

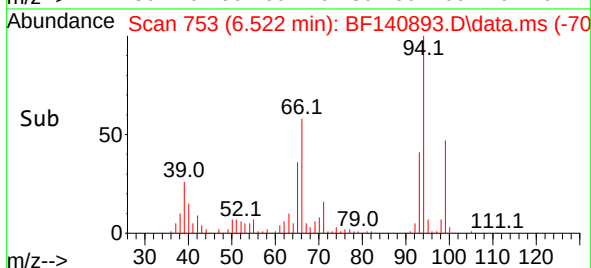
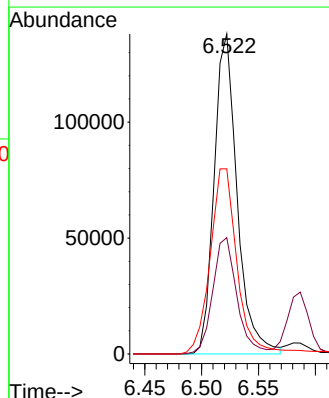
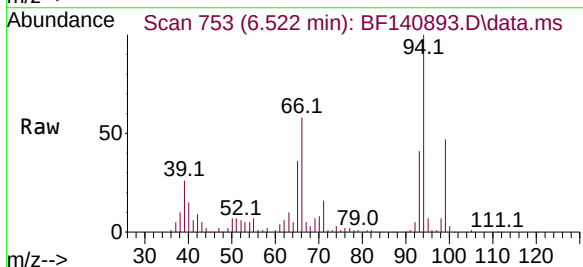
Tgt Ion: 94 Resp: 194469

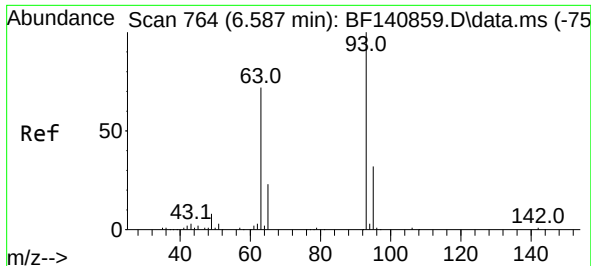
Ion Ratio Lower Upper

94 100

65 36.4 19.9 59.9

66 57.9 45.6 85.6

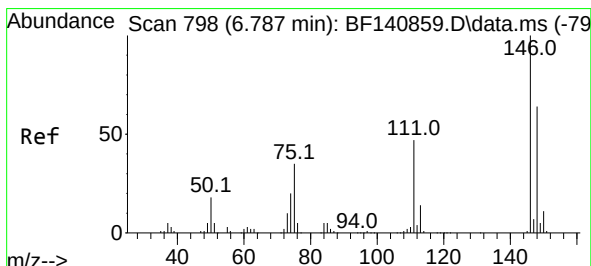
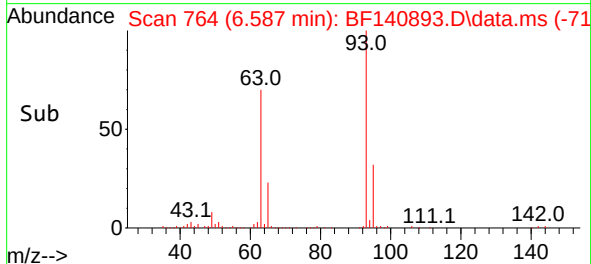
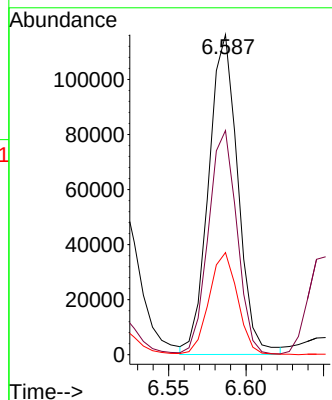
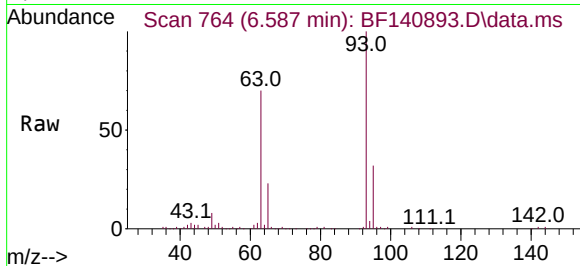




#11
bis(2-Chloroethyl)ether
Concen: 51.188 ng
RT: 6.587 min Scan# 764
Delta R.T. -0.000 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

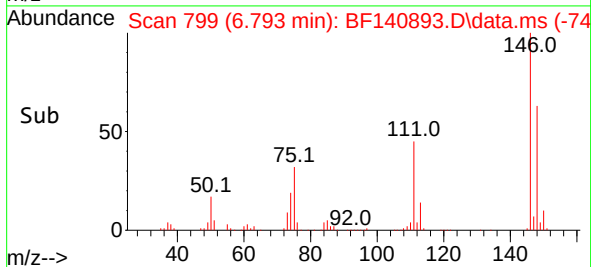
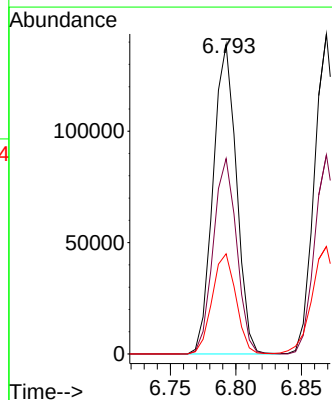
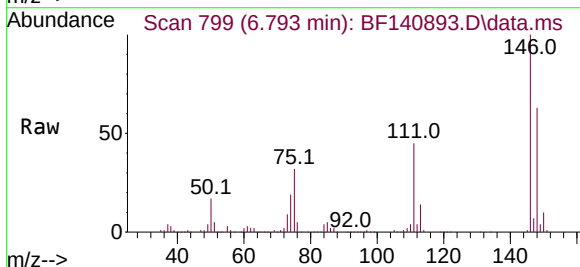
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

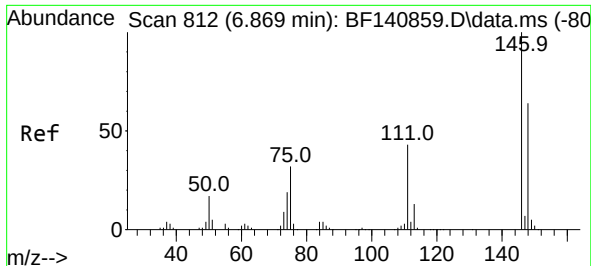
Tgt Ion: 93 Resp: 152710
Ion Ratio Lower Upper
93 100
63 70.1 51.0 91.0
95 31.9 12.0 52.0



#12
1,3-Dichlorobenzene
Concen: 47.531 ng
RT: 6.793 min Scan# 799
Delta R.T. 0.006 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

Tgt Ion:146 Resp: 172115
Ion Ratio Lower Upper
146 100
148 63.1 51.0 76.6
75 32.4 28.1 42.1





#13

1,4-Dichlorobenzene

Concen: 47.534 ng

RT: 6.869 min Scan# 812

Delta R.T. -0.000 min

Lab File: BF140893.D

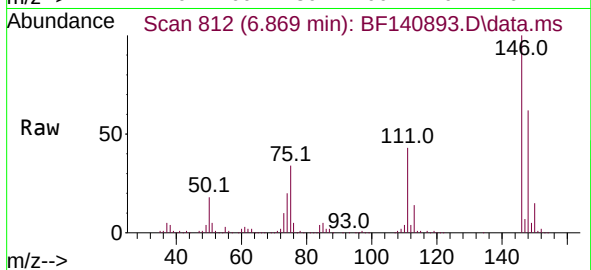
Acq: 17 Dec 2024 18:41

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD



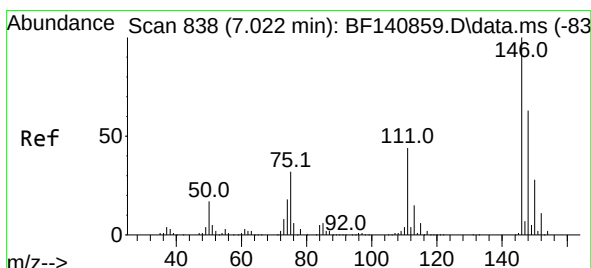
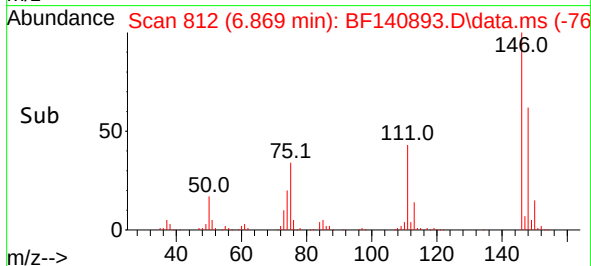
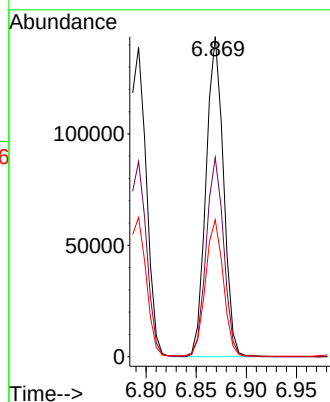
Tgt Ion:146 Resp: 174719

Ion Ratio Lower Upper

146 100

148 62.2 51.3 76.9

111 42.7 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 46.563 ng

RT: 7.022 min Scan# 838

Delta R.T. -0.000 min

Lab File: BF140893.D

Acq: 17 Dec 2024 18:41

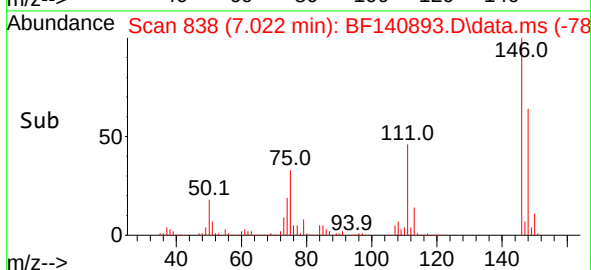
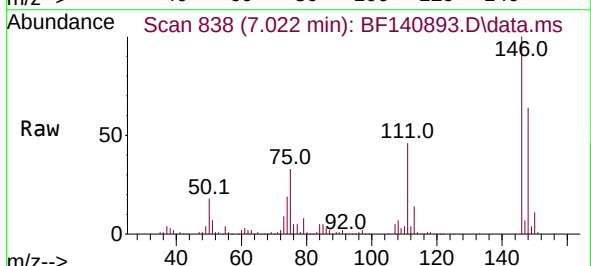
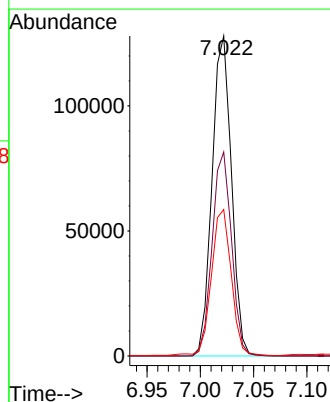
Tgt Ion:146 Resp: 161482

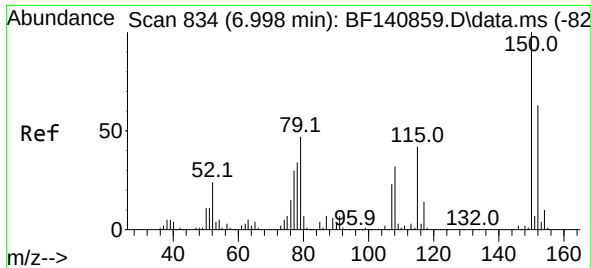
Ion Ratio Lower Upper

146 100

148 63.7 50.0 75.0

111 45.7 35.6 53.4

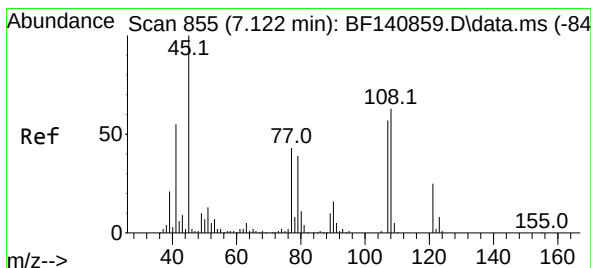
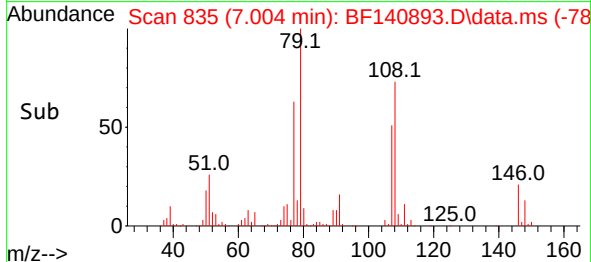
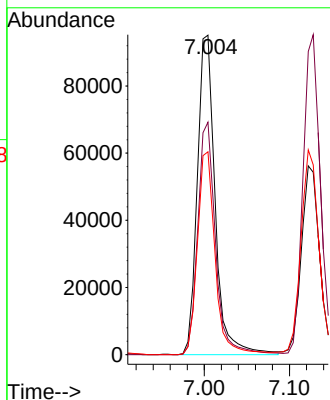
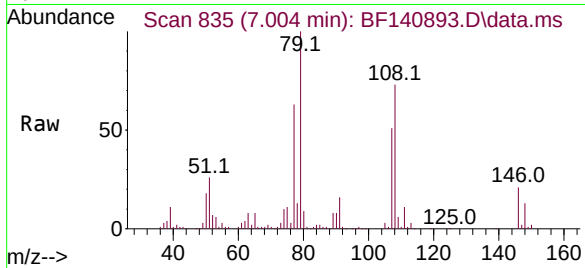




#15
Benzyl Alcohol
Concen: 50.258 ng
RT: 7.004 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

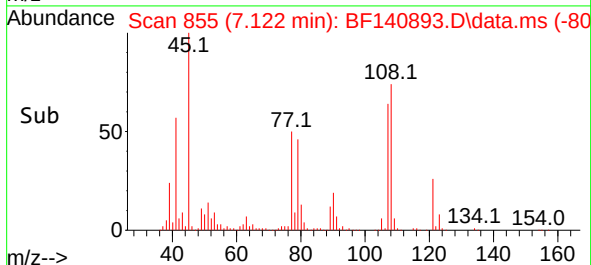
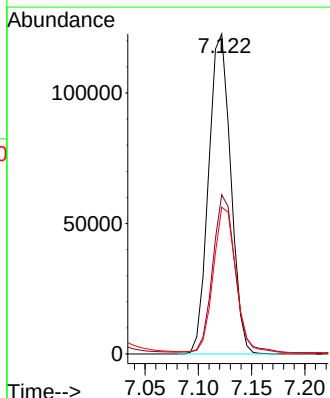
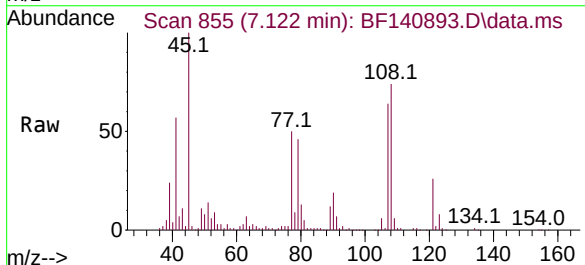
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

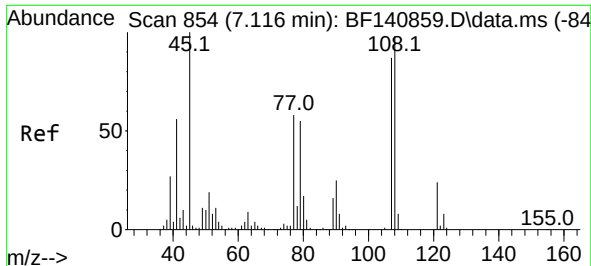
Tgt Ion: 79 Resp: 138700
Ion Ratio Lower Upper
79 100
108 72.8 55.1 82.7
77 63.5 50.6 76.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 50.440 ng
RT: 7.122 min Scan# 855
Delta R.T. 0.000 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

Tgt Ion: 45 Resp: 177267
Ion Ratio Lower Upper
45 100
77 49.7 23.3 63.3
79 45.8 20.0 60.0

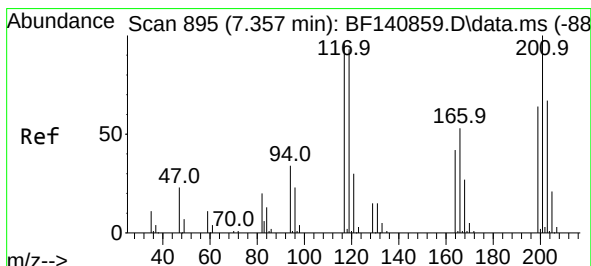
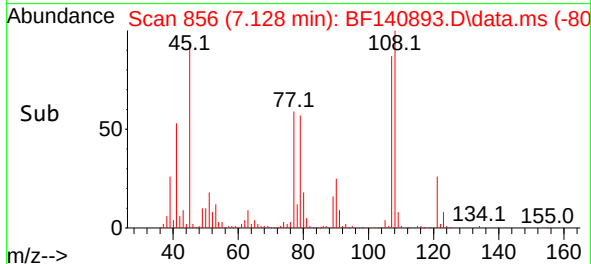
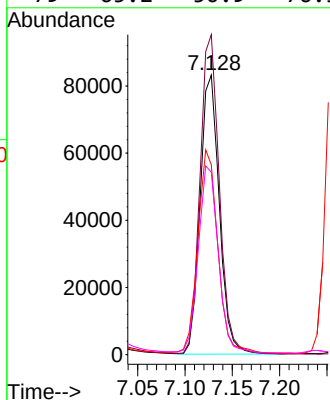
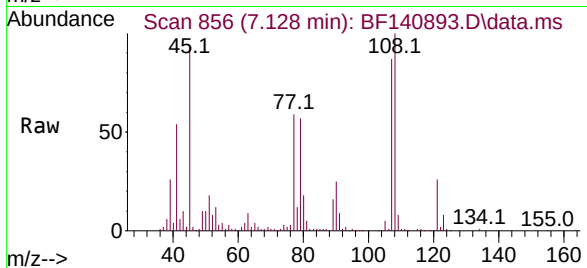




#17
2-Methylphenol
Concen: 46.219 ng
RT: 7.128 min Scan# 856
Delta R.T. 0.012 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

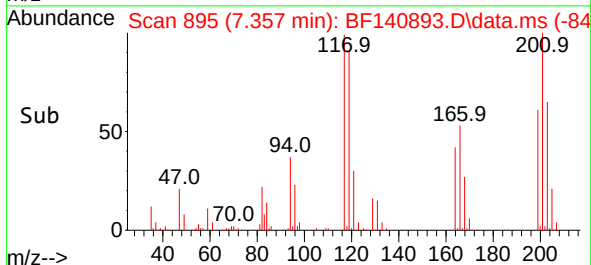
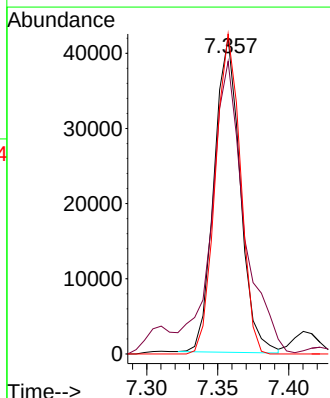
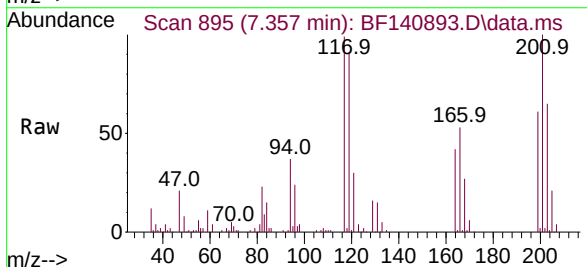
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

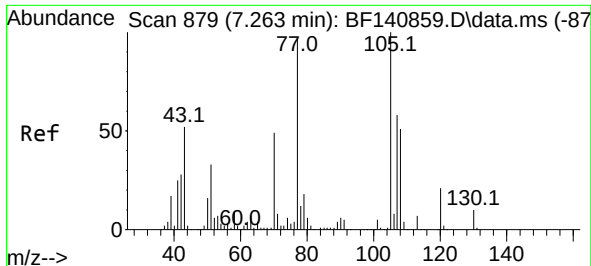
Tgt Ion:	107	Resp:	117265
Ion	Ratio	Lower	Upper
107	100		
108	114.4	90.2	135.4
77	67.8	53.8	80.6
79	65.2	50.9	76.3



#18
Hexachloroethane
Concen: 38.971 ng
RT: 7.357 min Scan# 895
Delta R.T. 0.000 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

Tgt Ion:	117	Resp:	53327
Ion	Ratio	Lower	Upper
117	100		
119	92.6	77.4	116.0
201	101.2	83.4	125.0

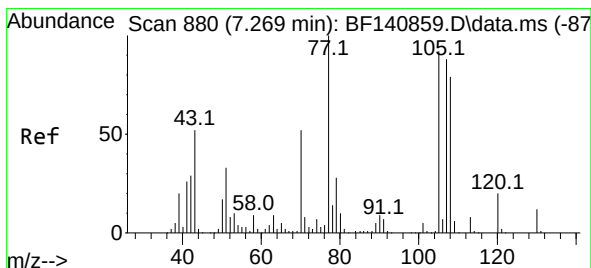
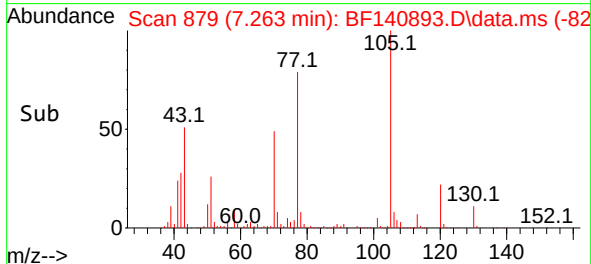
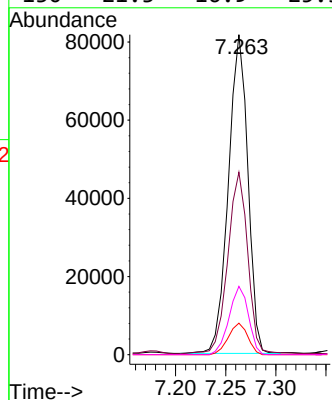
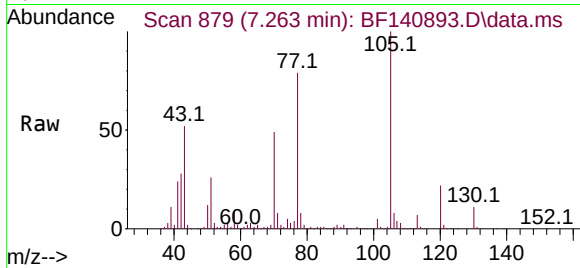




#19
n-Nitroso-di-n-propylamine
Concen: 47.503 ng
RT: 7.263 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

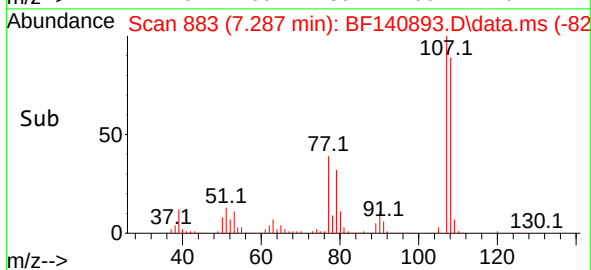
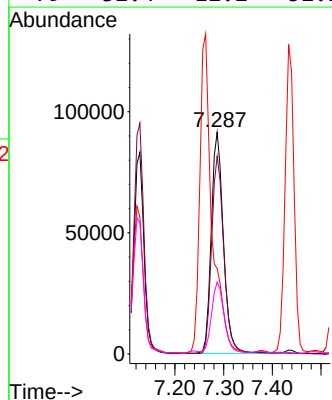
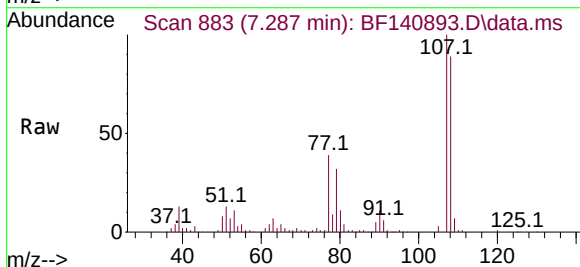
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

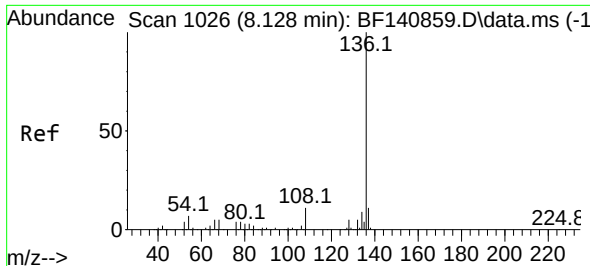
Tgt Ion: 70 Resp: 109984
Ion Ratio Lower Upper
70 100
42 57.0 45.3 67.9
101 9.9 8.0 12.0
130 21.3 16.9 25.3



#20
3+4-Methylphenols
Concen: 46.834 ng
RT: 7.287 min Scan# 883
Delta R.T. 0.018 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

Tgt Ion:107 Resp: 157565
Ion Ratio Lower Upper
107 100
108 89.1 70.1 110.1
77 38.5 94.4 134.4#
79 32.4 12.2 52.2



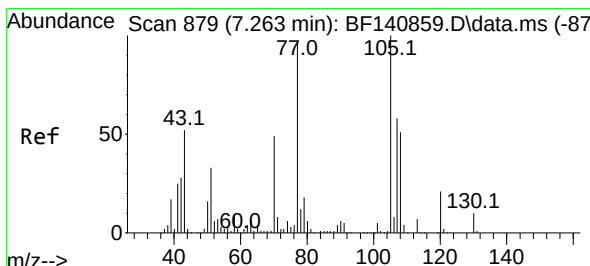
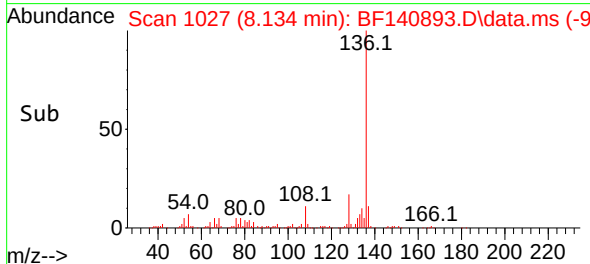
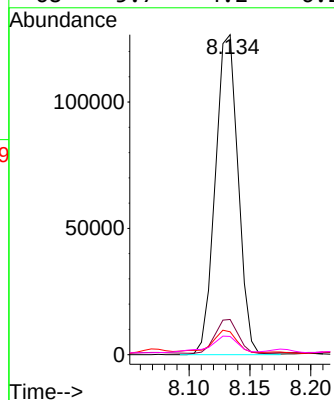
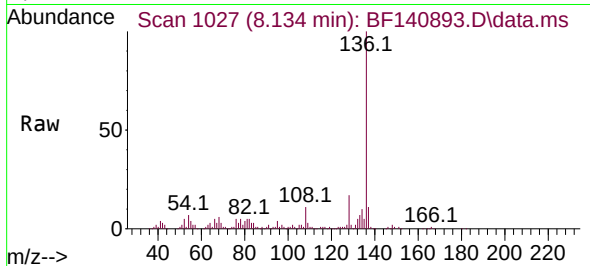


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1027
Delta R.T. 0.006 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

Tgt Ion:136 Resp: 165219

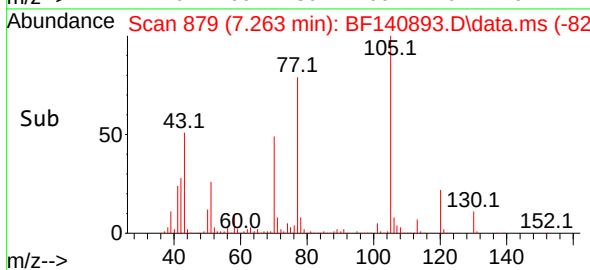
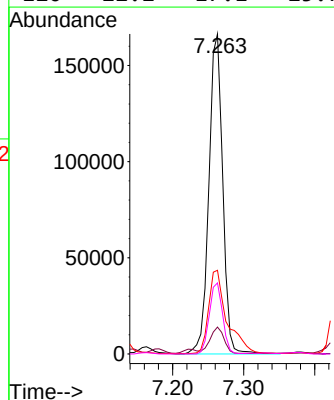
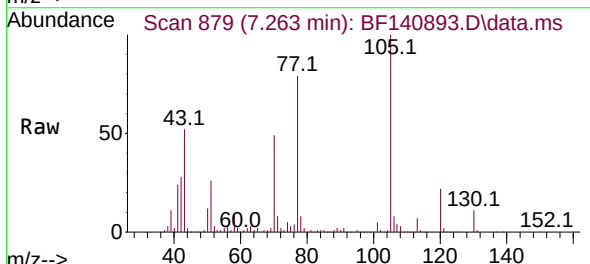
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	7.2	5.6	8.4
68	5.7	4.2	6.2

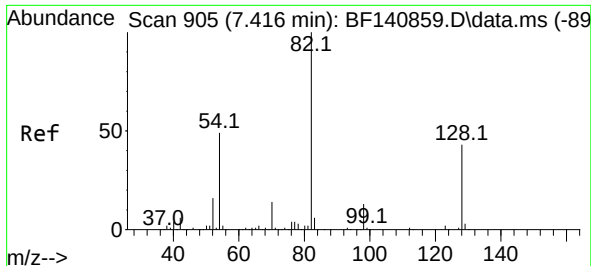


#22
Acetophenone
Concen: 54.672 ng
RT: 7.263 min Scan# 879
Delta R.T. 0.000 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

Tgt Ion:105 Resp: 225959

Ion	Ratio	Lower	Upper
105	100		
71	8.4	6.2	9.4
51	26.2	26.3	39.5
120	22.2	17.1	25.7

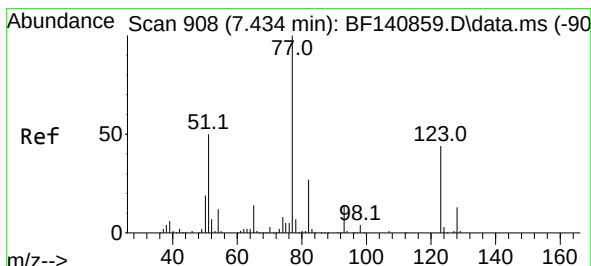
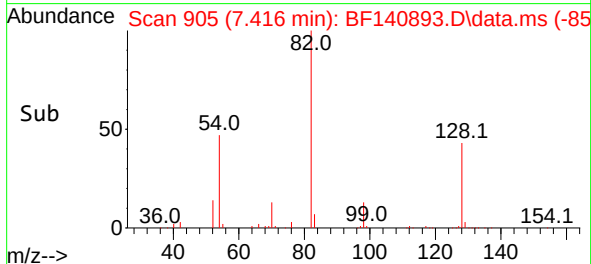
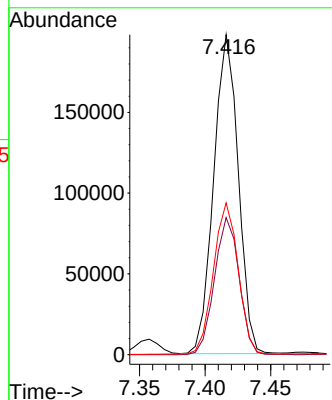
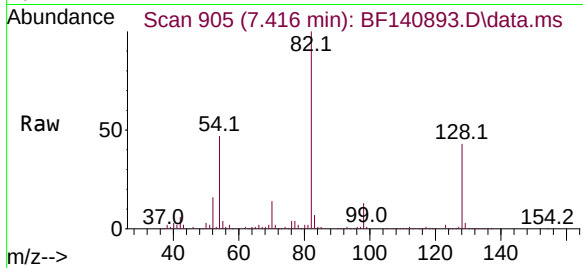




#23
Nitrobenzene-d5
Concen: 77.822 ng
RT: 7.416 min Scan# 905
Delta R.T. 0.000 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

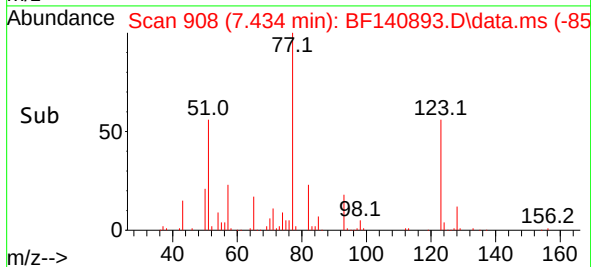
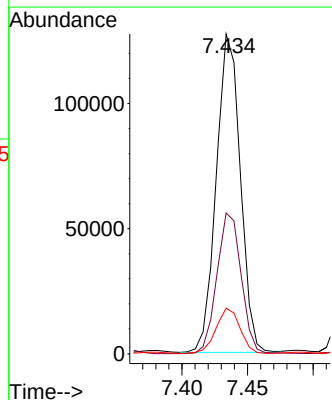
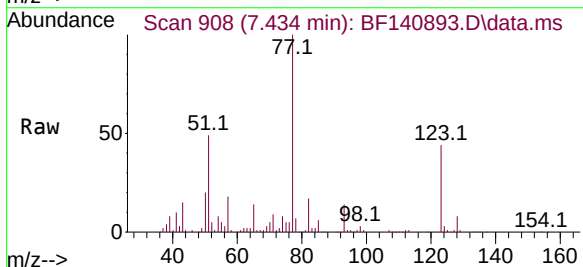
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

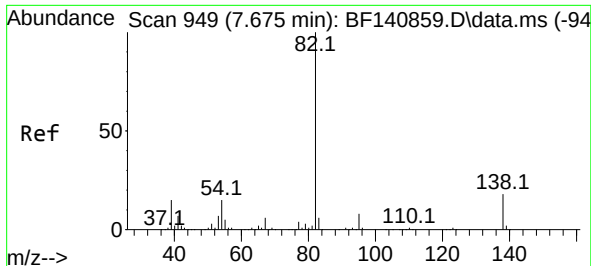
Tgt Ion: 82 Resp: 256995
Ion Ratio Lower Upper
82 100
128 42.8 34.4 51.6
54 47.5 38.8 58.2



#24
Nitrobenzene
Concen: 47.793 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.000 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

Tgt Ion: 77 Resp: 161690
Ion Ratio Lower Upper
77 100
123 44.0 35.0 52.4
65 14.3 11.4 17.0

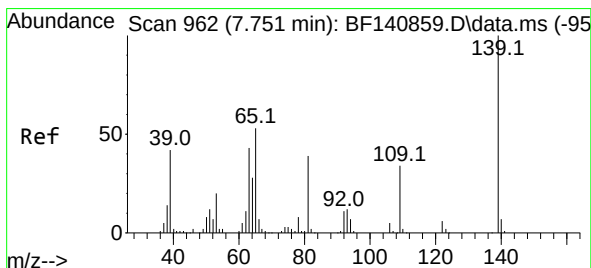
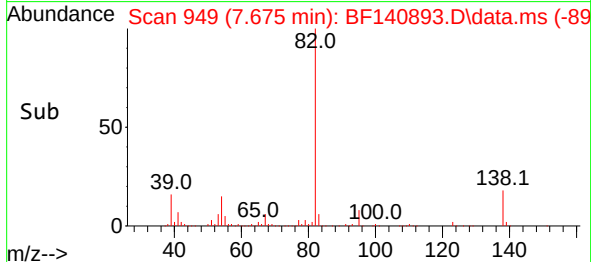
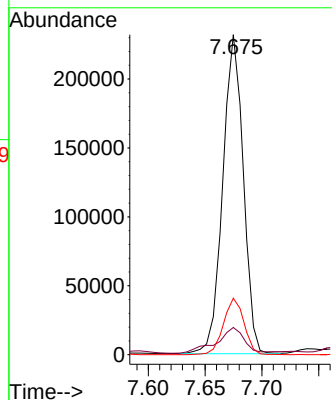
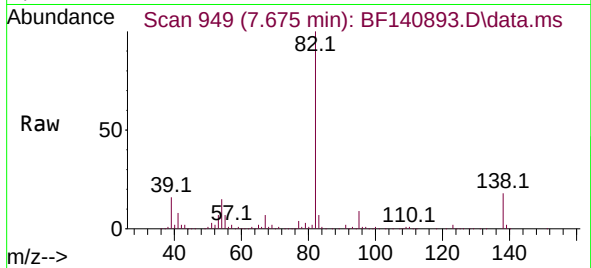




#25
Isophorone
Concen: 52.622 ng
RT: 7.675 min Scan# 949
Delta R.T. -0.000 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

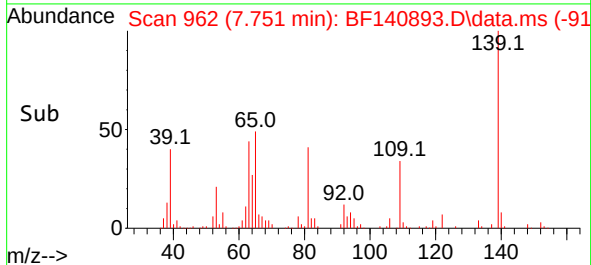
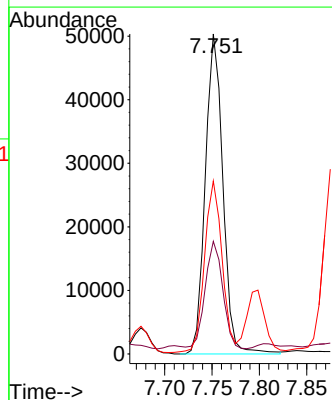
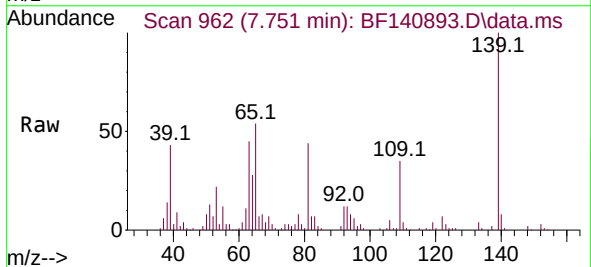
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

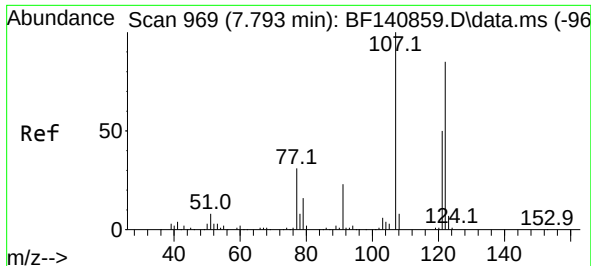
Tgt Ion: 82 Resp: 291168
Ion Ratio Lower Upper
82 100
95 8.5 6.3 9.5
138 17.7 14.1 21.1



#26
2-Nitrophenol
Concen: 41.634 ng
RT: 7.751 min Scan# 962
Delta R.T. -0.000 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

Tgt Ion:139 Resp: 64872
Ion Ratio Lower Upper
139 100
109 35.2 26.9 40.3
65 54.0 42.6 64.0

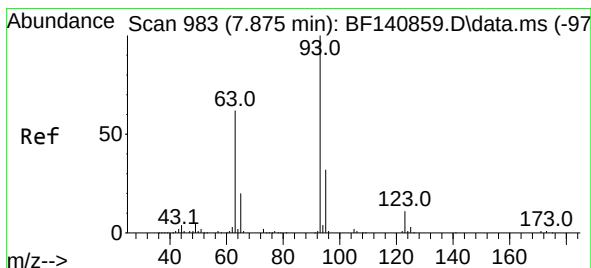
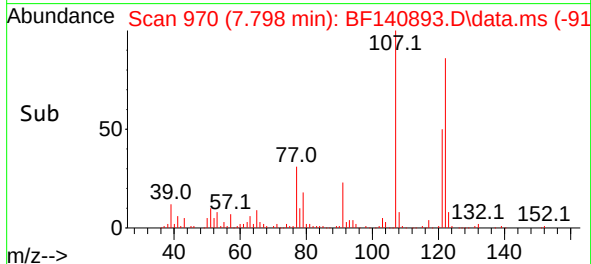
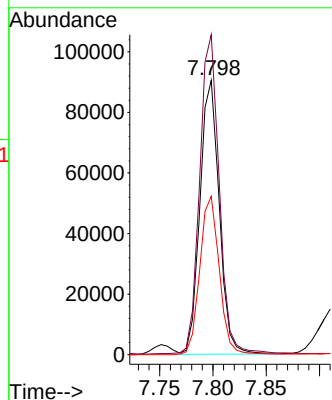
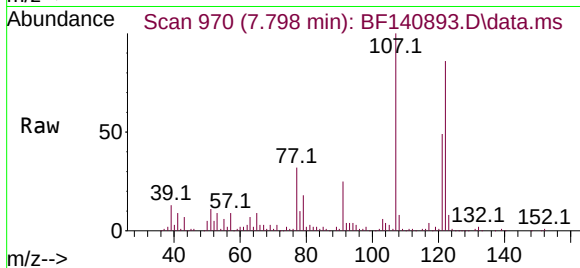




#27
2,4-Dimethylphenol
Concen: 62.751 ng
RT: 7.798 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

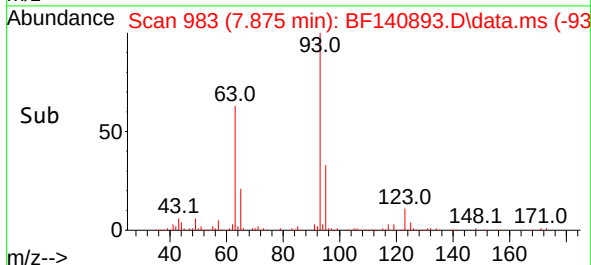
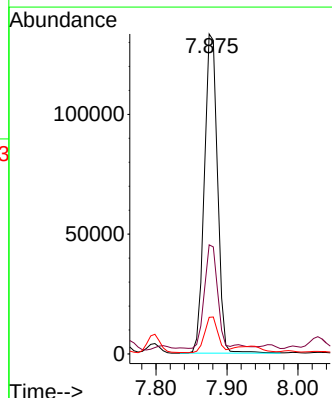
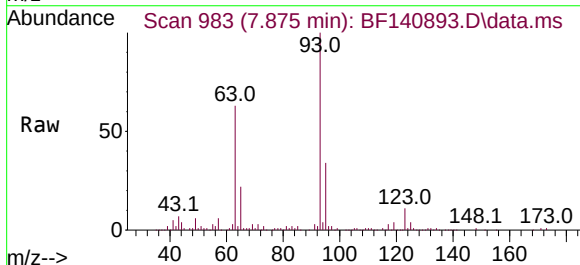
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

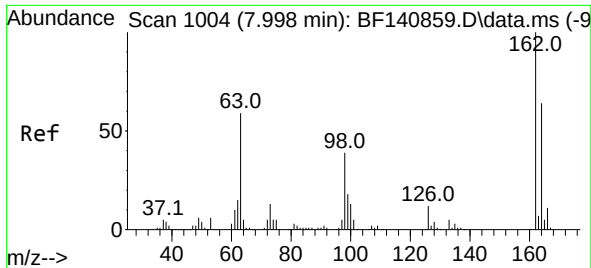
Tgt Ion:122 Resp: 114187
Ion Ratio Lower Upper
122 100
107 116.6 92.6 139.0
121 57.7 45.8 68.8



#28
bis(2-Chloroethoxy)methane
Concen: 49.981 ng
RT: 7.875 min Scan# 983
Delta R.T. -0.000 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

Tgt Ion: 93 Resp: 172729
Ion Ratio Lower Upper
93 100
95 34.1 25.3 37.9
123 11.4 8.6 13.0





#29

2,4-Dichlorophenol

Concen: 50.885 ng

RT: 8.016 min Scan# 1007

Delta R.T. 0.018 min

Lab File: BF140893.D

Acq: 17 Dec 2024 18:41

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

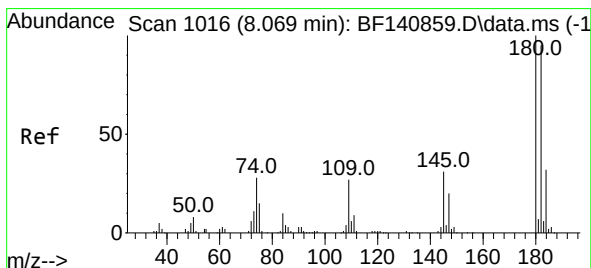
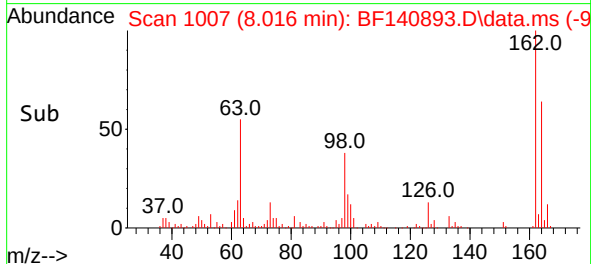
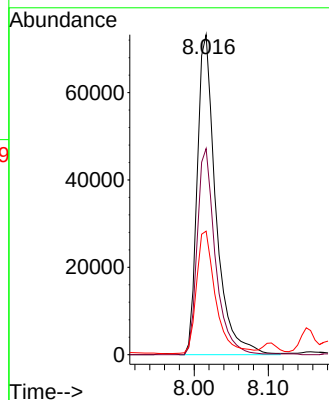
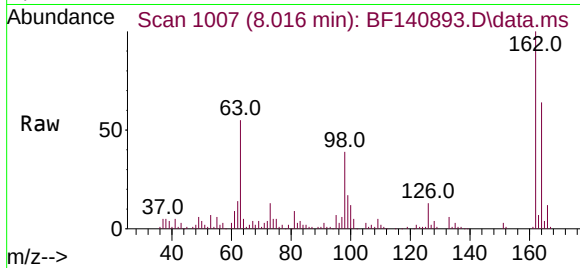
Tgt Ion:162 Resp: 127837

Ion Ratio Lower Upper

162 100

164 64.4 43.7 83.7

98 38.6 18.6 58.6



#30

1,2,4-Trichlorobenzene

Concen: 46.535 ng

RT: 8.075 min Scan# 1017

Delta R.T. 0.006 min

Lab File: BF140893.D

Acq: 17 Dec 2024 18:41

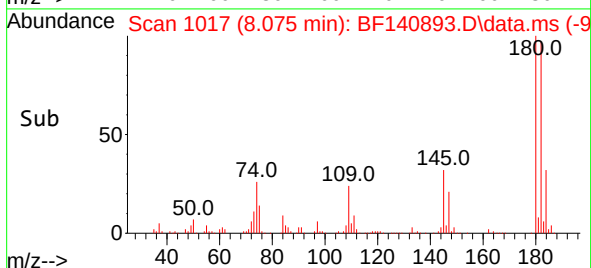
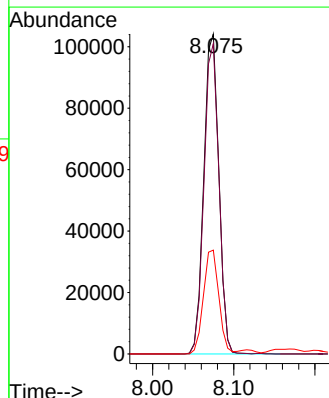
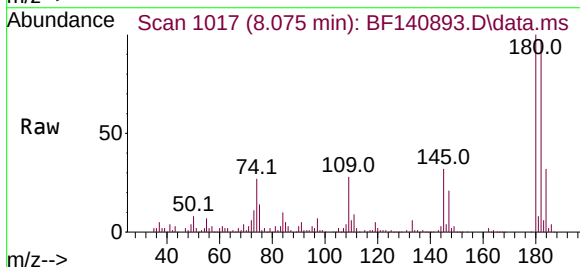
Tgt Ion:180 Resp: 134018

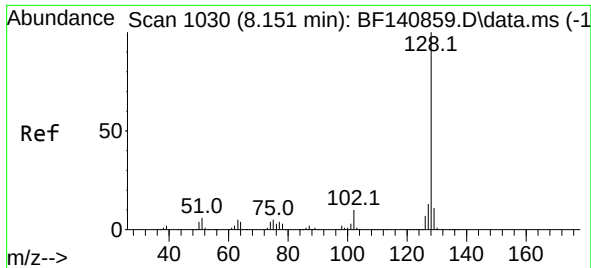
Ion Ratio Lower Upper

180 100

182 96.9 75.8 113.6

145 32.4 25.2 37.8

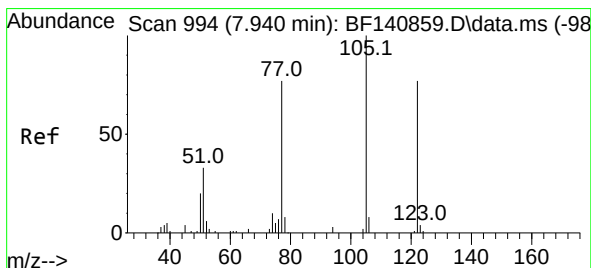
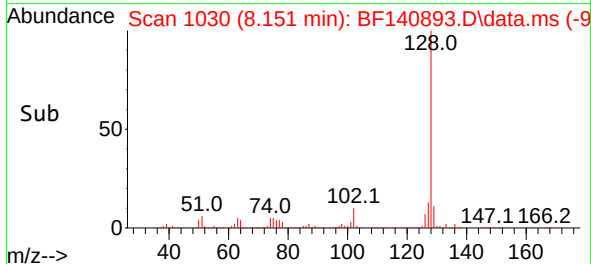
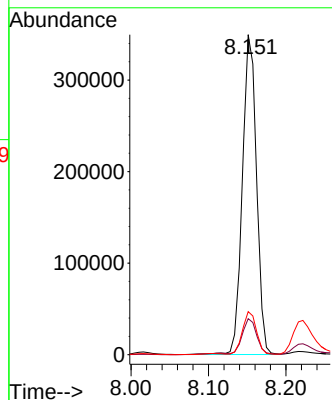
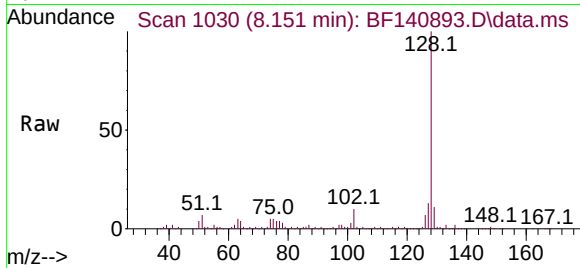




#31
Naphthalene
Concen: 48.961 ng
RT: 8.151 min Scan# 1030
Delta R.T. 0.000 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

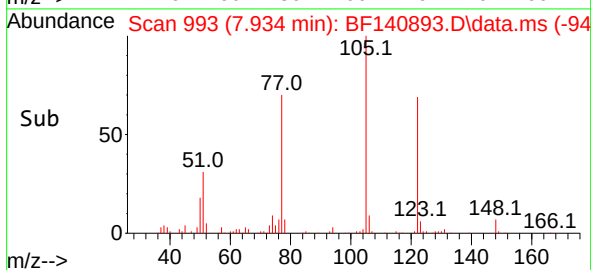
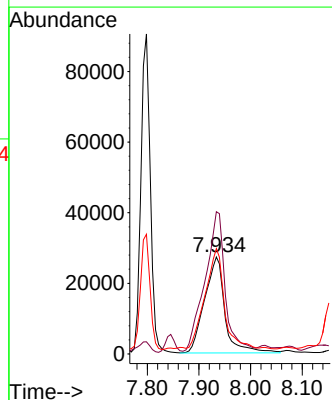
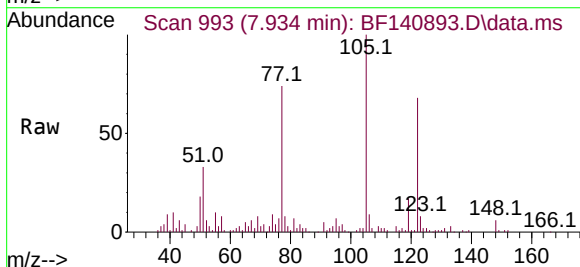
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

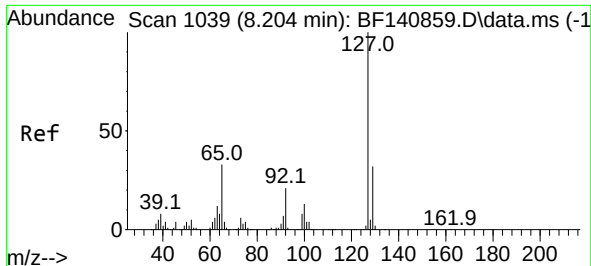
Tgt Ion:128 Resp: 444349
Ion Ratio Lower Upper
128 100
129 11.2 8.9 13.3
127 13.5 10.6 16.0



#32
Benzoic acid
Concen: 42.921 ng
RT: 7.934 min Scan# 993
Delta R.T. -0.006 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

Tgt Ion:122 Resp: 74072
Ion Ratio Lower Upper
122 100
105 146.8 108.3 148.3
77 108.6 78.8 118.8

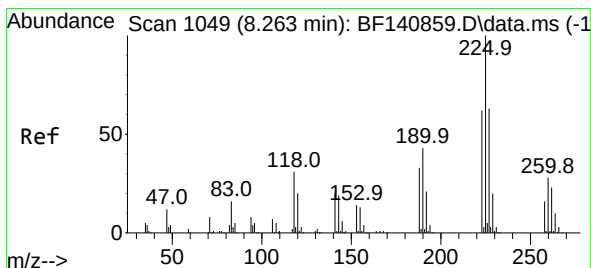
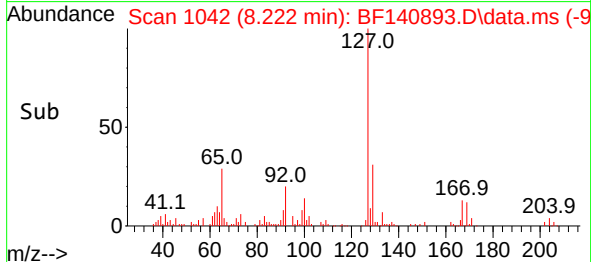
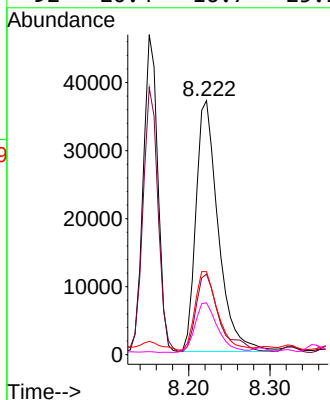
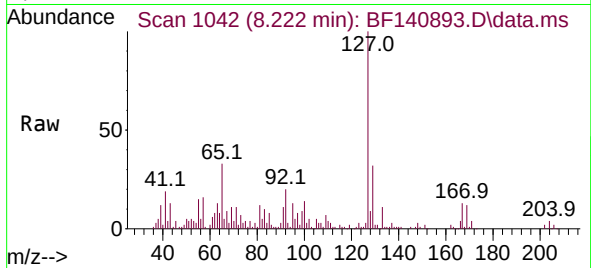




#33
4-Chloroaniline
Concen: 23.390 ng
RT: 8.222 min Scan# 1042
Delta R.T. 0.018 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

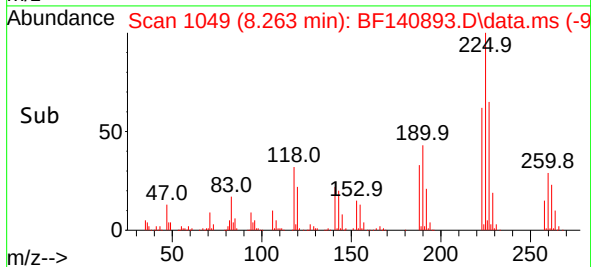
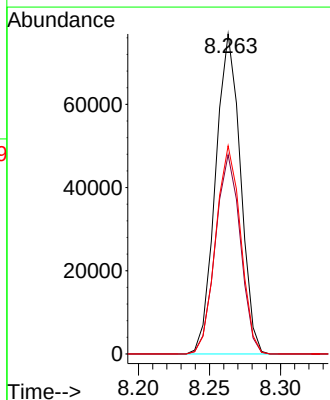
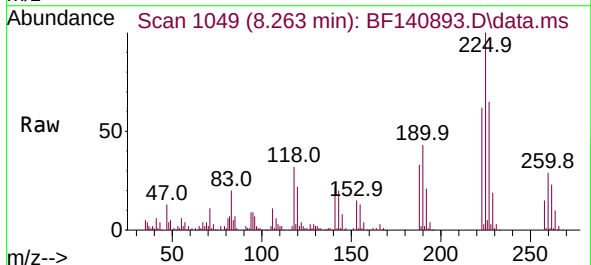
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

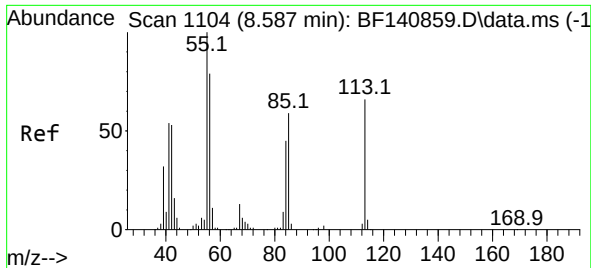
Tgt Ion:	127	Resp:	70505
Ion Ratio	Lower	Upper	
127	100		
129	31.7	26.0	39.0
65	32.7	26.0	39.0
92	20.4	16.7	25.1



#34
Hexachlorobutadiene
Concen: 48.393 ng
RT: 8.263 min Scan# 1049
Delta R.T. 0.000 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

Tgt Ion:	225	Resp:	93768
Ion Ratio	Lower	Upper	
225	100		
223	62.3	49.6	74.4
227	65.1	50.7	76.1

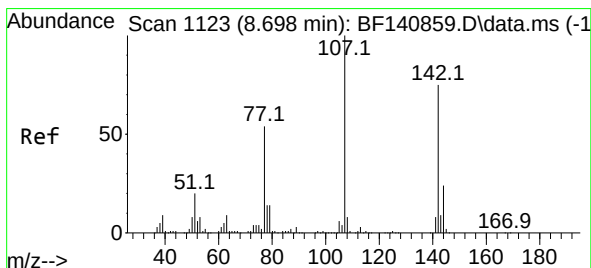
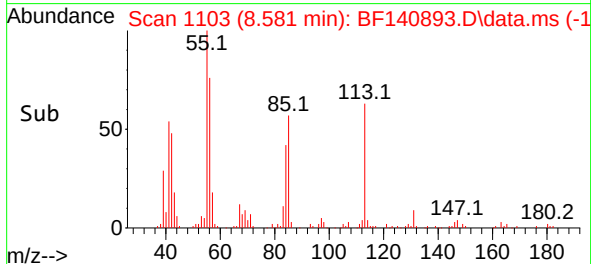
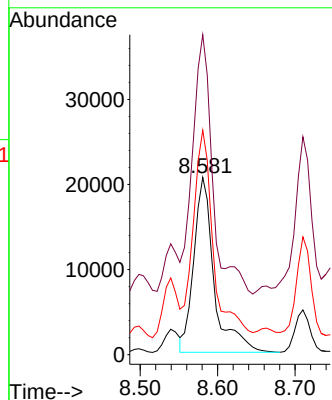
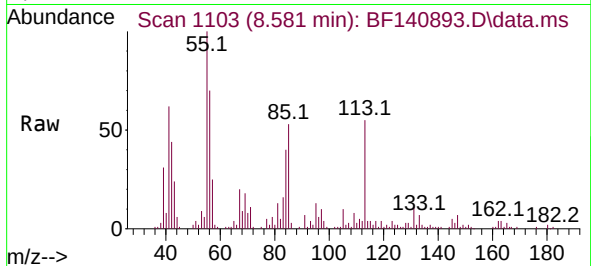




#35
Caprolactam
Concen: 50.206 ng
RT: 8.581 min Scan# 1103
Delta R.T. -0.006 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

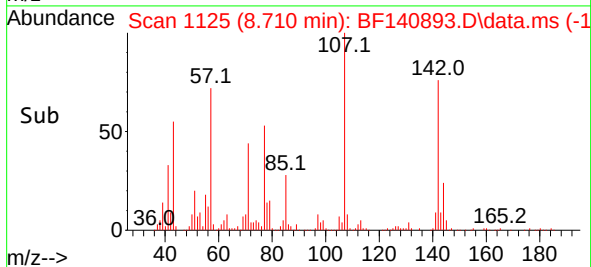
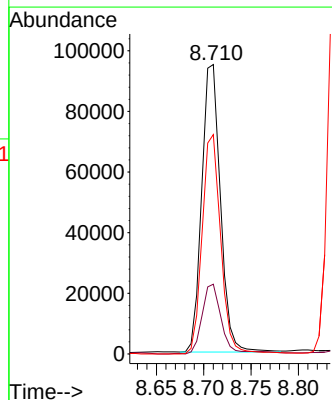
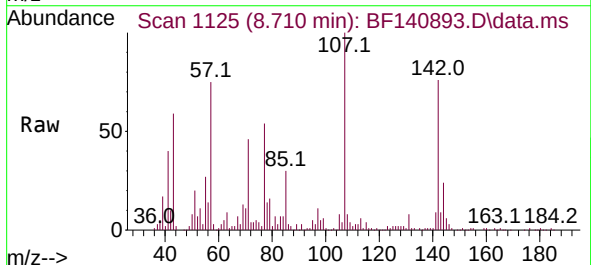
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

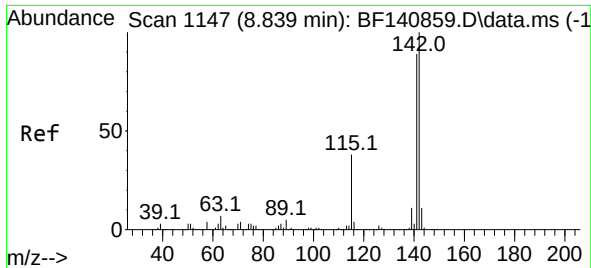
Tgt Ion:113 Resp: 37550
Ion Ratio Lower Upper
113 100
55 180.5 132.3 172.3#
56 126.6 100.3 140.3



#36
4-Chloro-3-methylphenol
Concen: 46.044 ng
RT: 8.710 min Scan# 1125
Delta R.T. 0.012 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

Tgt Ion:107 Resp: 130192
Ion Ratio Lower Upper
107 100
144 24.1 19.4 29.2
142 75.8 60.3 90.5

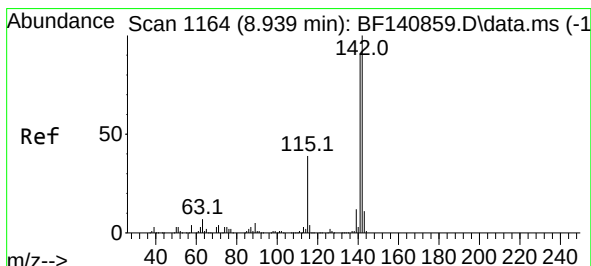
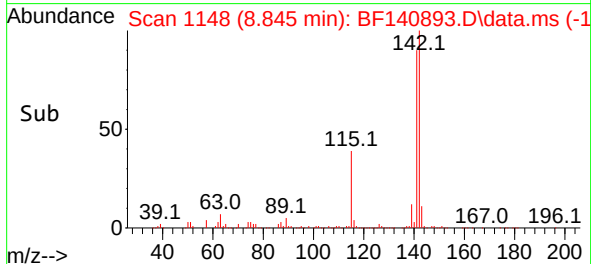
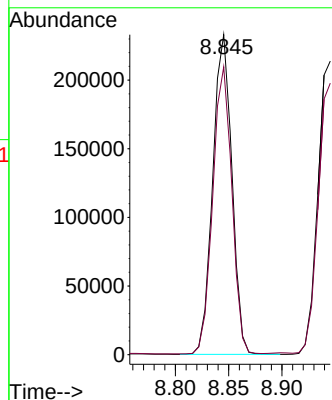
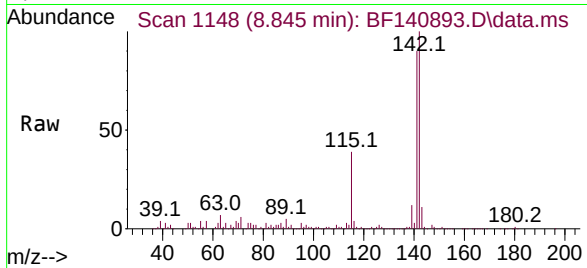




#37
2-Methylnaphthalene
Concen: 48.305 ng
RT: 8.845 min Scan# 1147
Delta R.T. 0.006 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

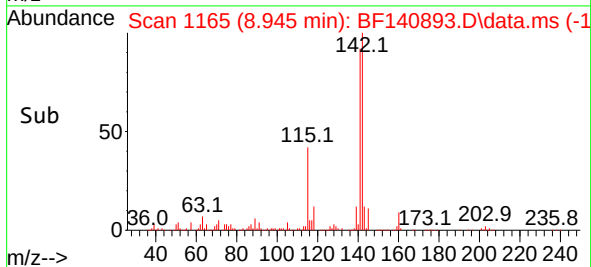
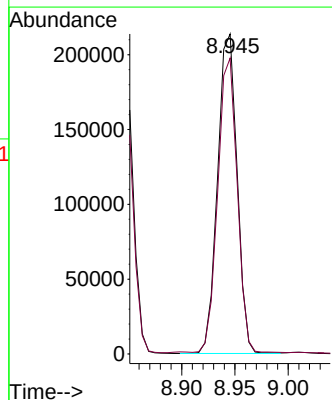
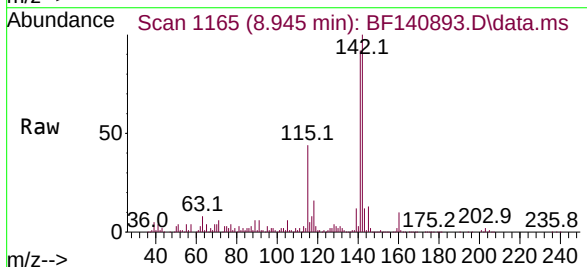
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

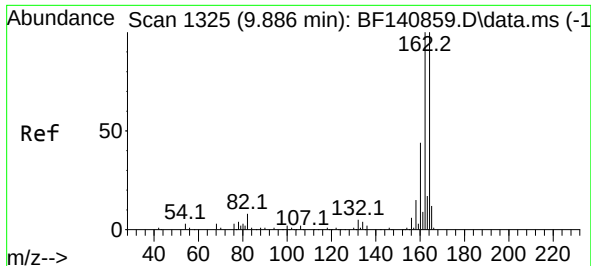
Tgt Ion:142 Resp: 290002
Ion Ratio Lower Upper
142 100
141 90.0 71.0 106.6



#38
1-Methylnaphthalene
Concen: 45.736 ng
RT: 8.945 min Scan# 1165
Delta R.T. 0.006 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

Tgt Ion:142 Resp: 271554
Ion Ratio Lower Upper
142 100
141 92.5 73.4 110.0

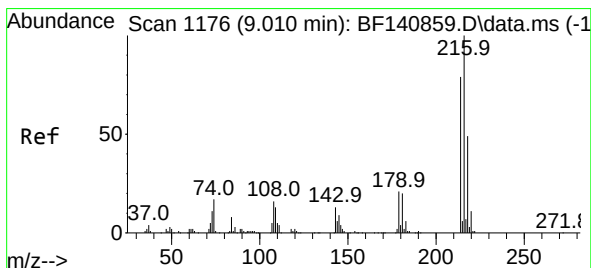
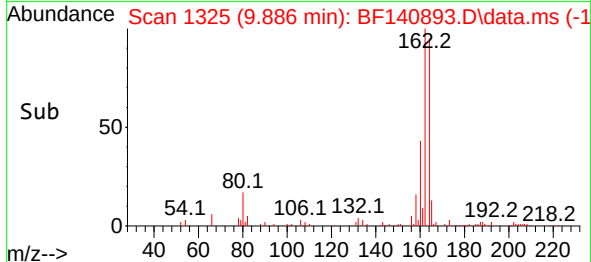
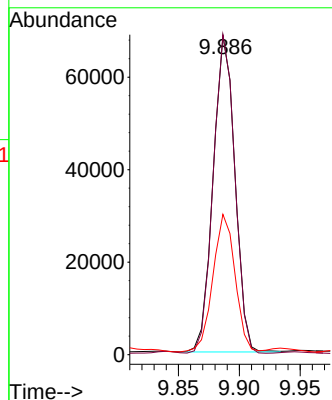
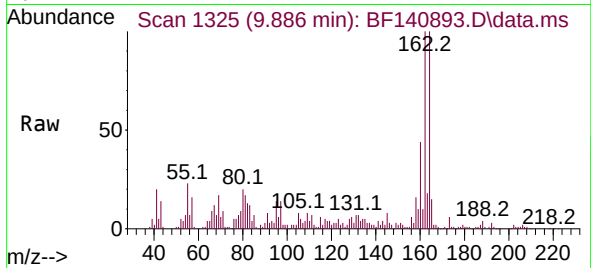




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1175
Delta R.T. -0.000 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

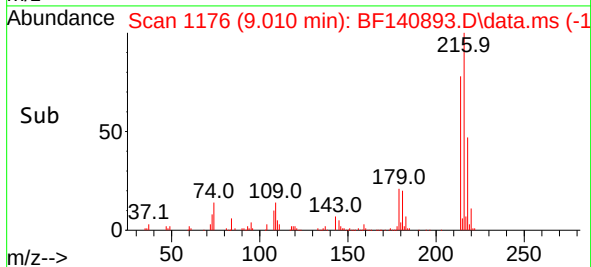
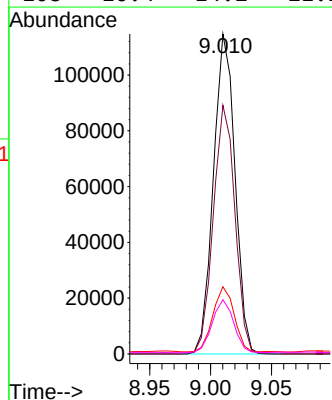
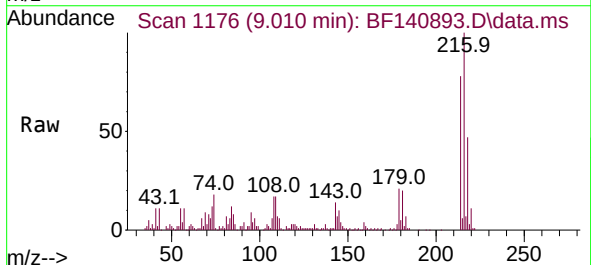
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

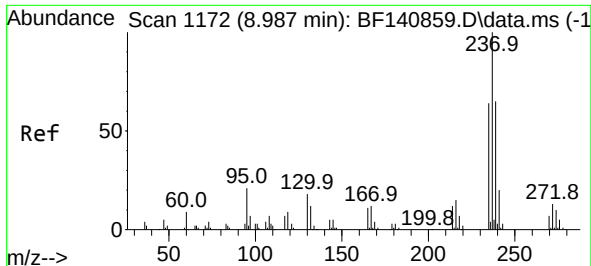
Tgt Ion:164 Resp: 85243
Ion Ratio Lower Upper
164 100
162 100.4 79.9 119.9
160 44.0 35.2 52.8



#40
1,2,4,5-Tetrachlorobenzene
Concen: 53.943 ng
RT: 9.010 min Scan# 1176
Delta R.T. 0.000 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

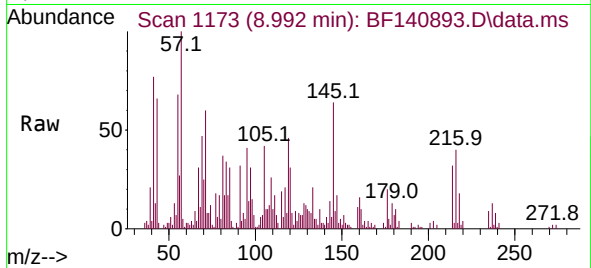
Tgt Ion:216 Resp: 141335
Ion Ratio Lower Upper
216 100
214 77.8 63.6 95.4
179 20.2 17.0 25.4
108 16.4 14.2 21.2



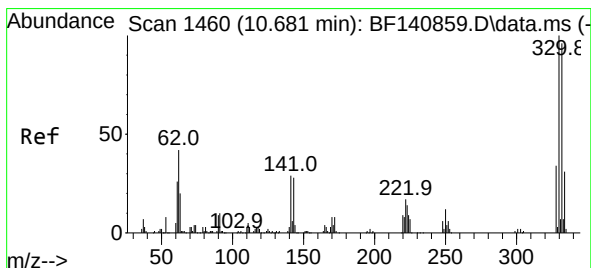
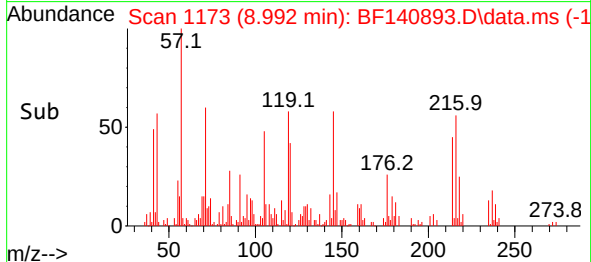
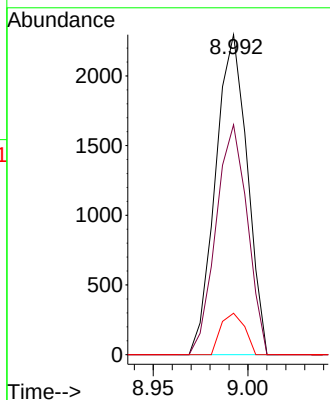


#41
Hexachlorocyclopentadiene
Concen: 5.594 ng
RT: 8.992 min Scan# 1173
Delta R.T. 0.005 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

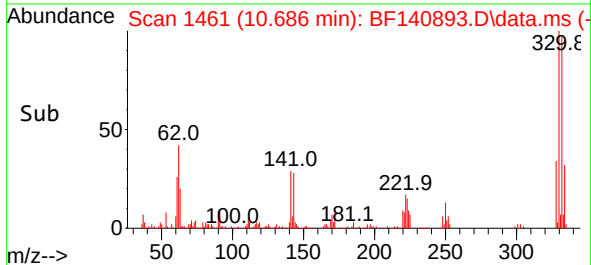
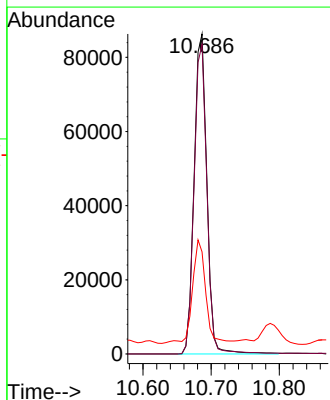
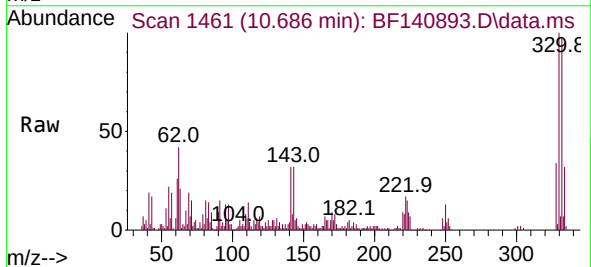


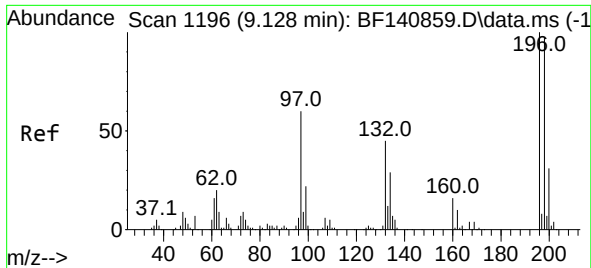
Tgt Ion:237 Resp: 2674
Ion Ratio Lower Upper
237 100
235 71.9 43.7 83.7
272 12.9 0.0 32.9



#42
2,4,6-Tribromophenol
Concen: 110.731 ng
RT: 10.686 min Scan# 1461
Delta R.T. 0.006 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

Tgt Ion:330 Resp: 111637
Ion Ratio Lower Upper
330 100
332 97.1 76.2 114.4
141 33.1 24.9 37.3

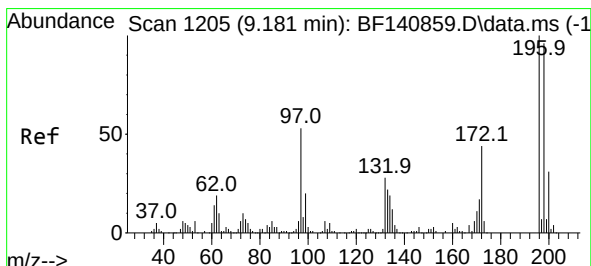
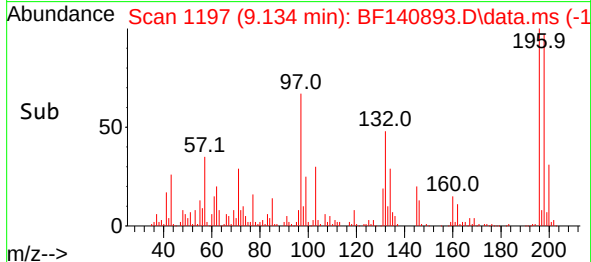
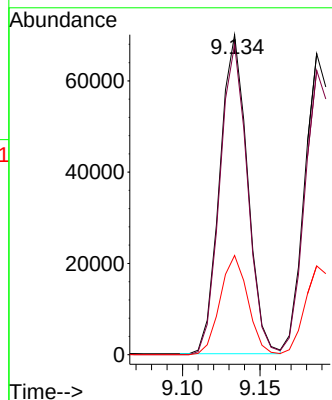
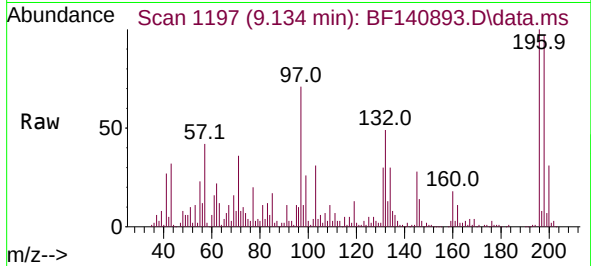




#43
2,4,6-Trichlorophenol
Concen: 54.218 ng
RT: 9.134 min Scan# 1196
Delta R.T. 0.006 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

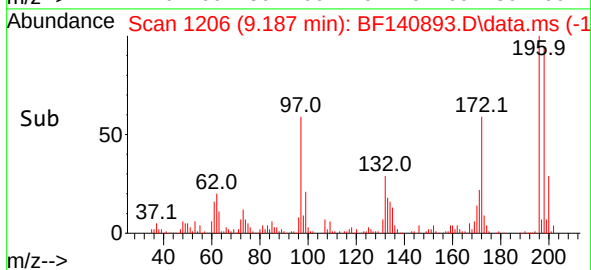
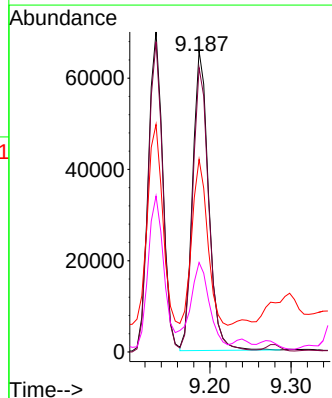
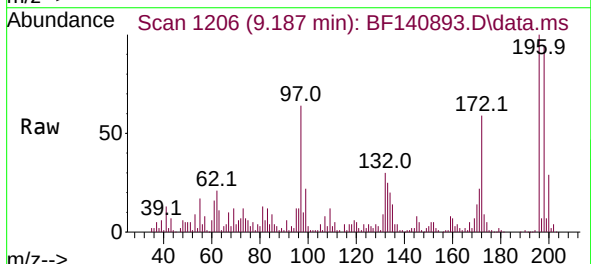
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

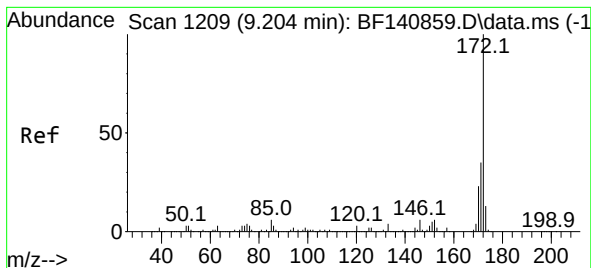
Tgt Ion:196 Resp: 86984
Ion Ratio Lower Upper
196 100
198 96.9 77.4 116.0
200 31.0 24.5 36.7



#44
2,4,5-Trichlorophenol
Concen: 51.008 ng
RT: 9.187 min Scan# 1206
Delta R.T. 0.006 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

Tgt Ion:196 Resp: 89945
Ion Ratio Lower Upper
196 100
198 94.4 77.2 115.8
97 64.0 42.2 63.4#
132 29.7 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 73.473 ng

RT: 9.204 min Scan# 1209

Delta R.T. 0.000 min

Lab File: BF140893.D

Acq: 17 Dec 2024 18:41

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

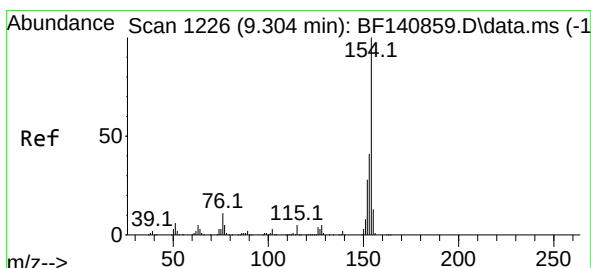
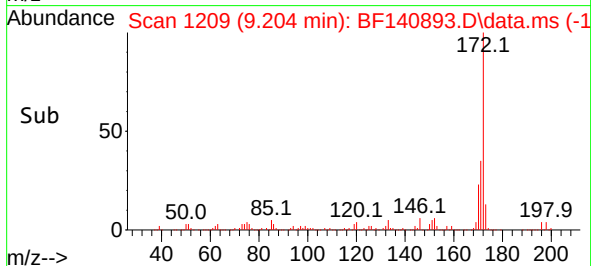
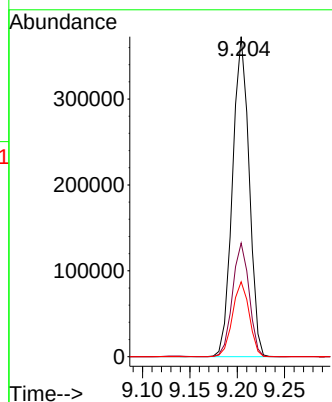
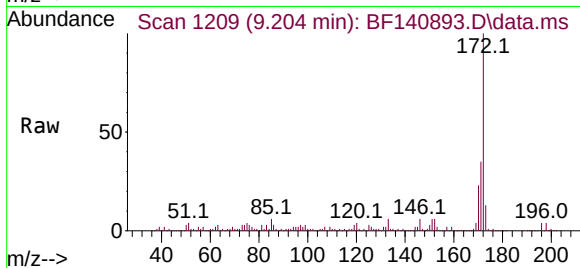
Tgt Ion:172 Resp: 455542

Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

170 23.4 18.6 28.0



#46

1,1'-Biphenyl

Concen: 53.051 ng

RT: 9.310 min Scan# 1227

Delta R.T. 0.006 min

Lab File: BF140893.D

Acq: 17 Dec 2024 18:41

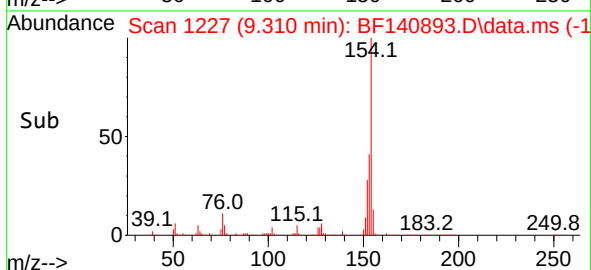
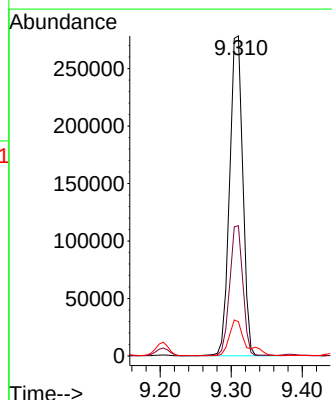
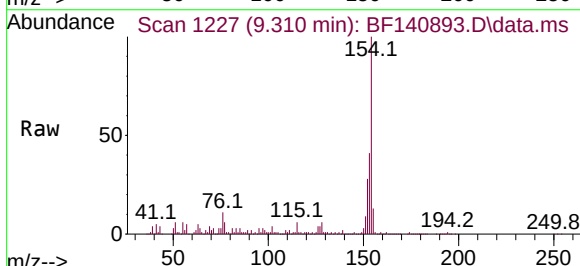
Tgt Ion:154 Resp: 359601

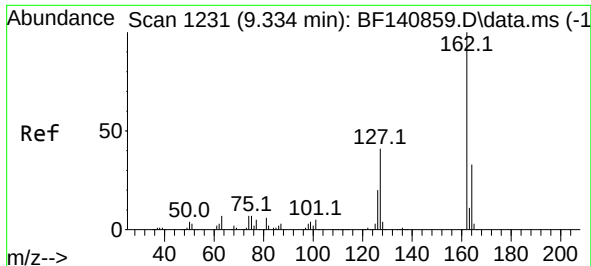
Ion Ratio Lower Upper

154 100

153 40.7 20.8 60.8

76 10.7 0.0 31.0

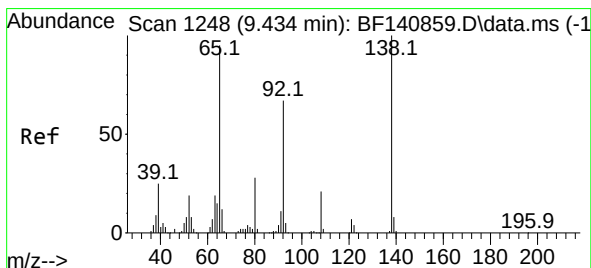
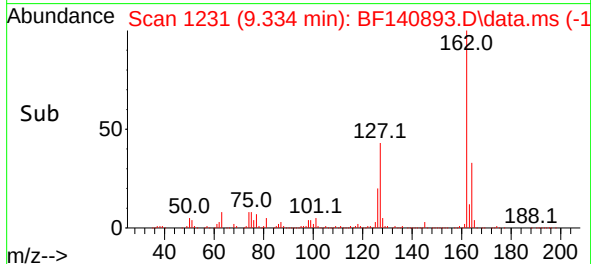
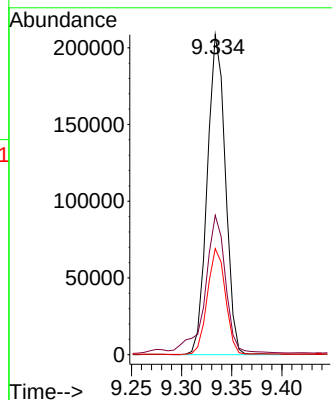
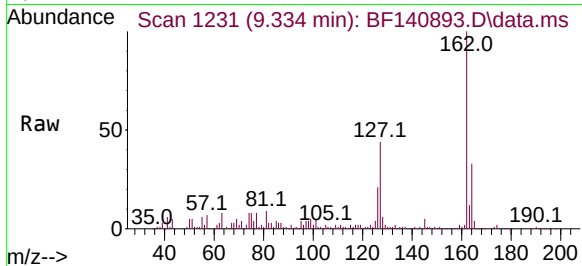




#47
2-Chloronaphthalene
Concen: 50.501 ng
RT: 9.334 min Scan# 1231
Delta R.T. -0.000 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

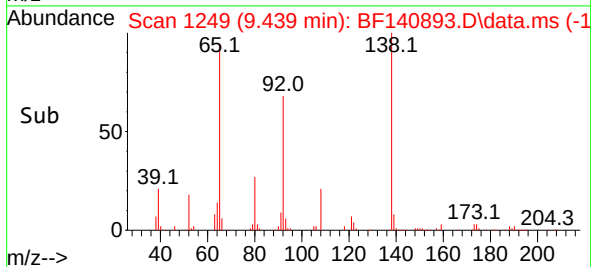
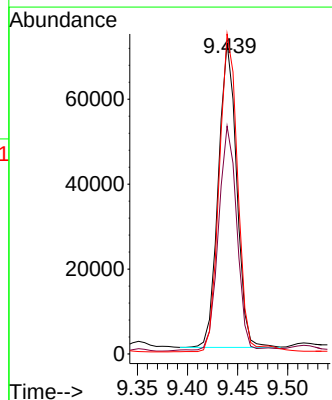
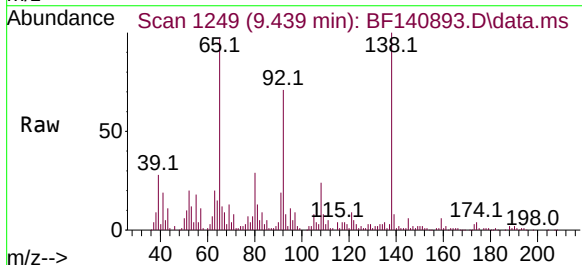
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

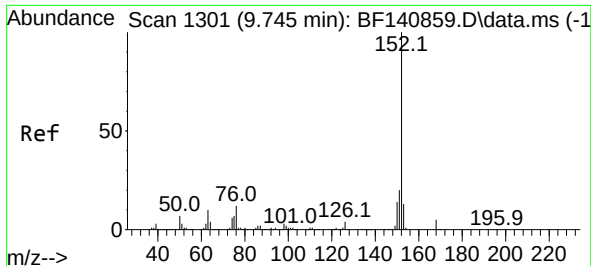
Tgt Ion:162 Resp: 261875
Ion Ratio Lower Upper
162 100
127 43.6 33.5 50.3
164 33.2 26.2 39.2



#48
2-Nitroaniline
Concen: 57.986 ng
RT: 9.439 min Scan# 1249
Delta R.T. 0.006 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

Tgt Ion: 65 Resp: 90812
Ion Ratio Lower Upper
65 100
92 73.2 56.3 84.5
138 102.8 83.8 125.6

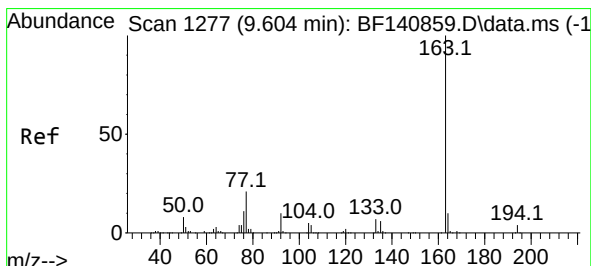
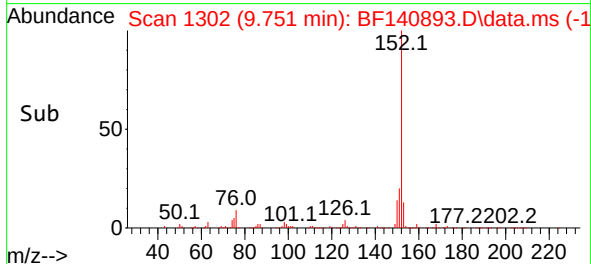
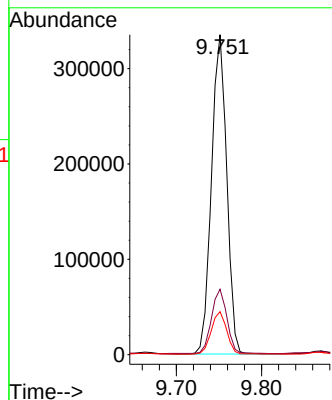
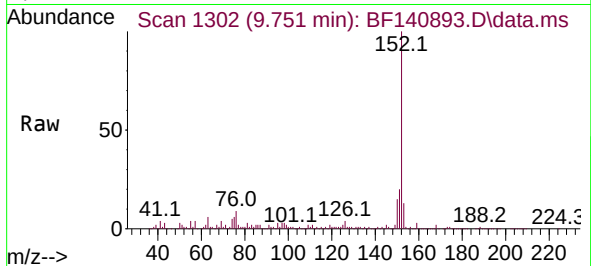




#49
Acenaphthylene
Concen: 54.647 ng
RT: 9.751 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

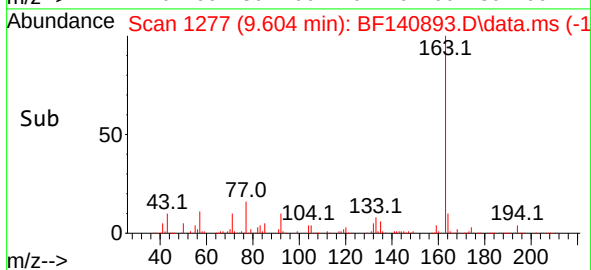
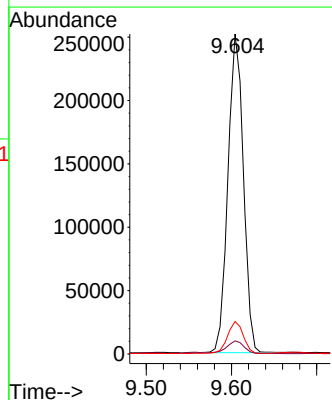
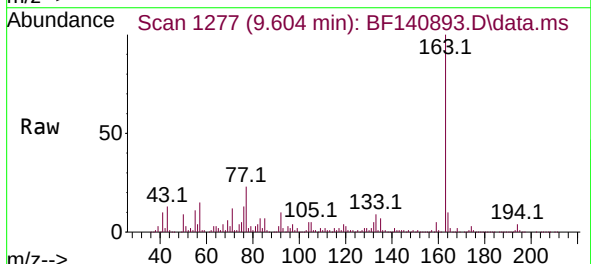
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

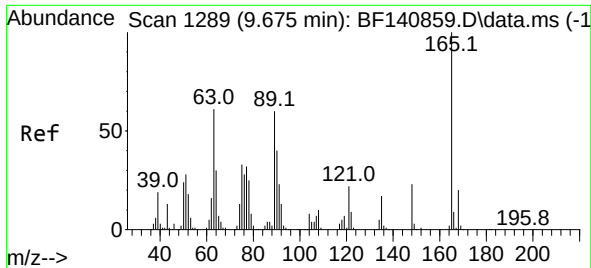
Tgt Ion:152 Resp: 416439
Ion Ratio Lower Upper
152 100
151 20.4 16.0 24.0
153 13.5 10.6 16.0



#50
Dimethylphthalate
Concen: 52.730 ng
RT: 9.604 min Scan# 1277
Delta R.T. -0.000 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

Tgt Ion:163 Resp: 316900
Ion Ratio Lower Upper
163 100
194 4.1 3.1 4.7
164 10.1 8.1 12.1

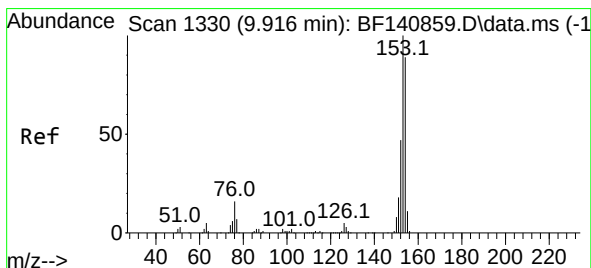
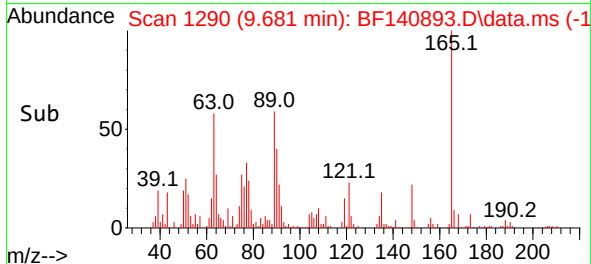
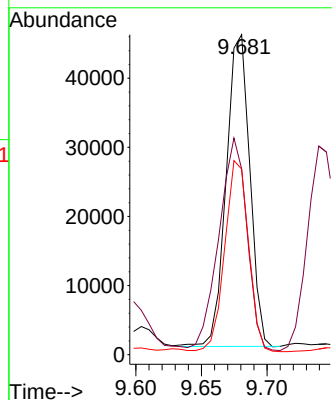
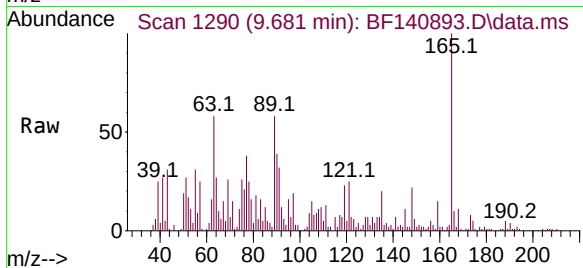




#51
2,6-Dinitrotoluene
Concen: 41.046 ng
RT: 9.681 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

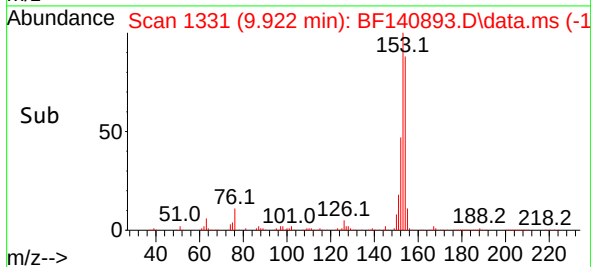
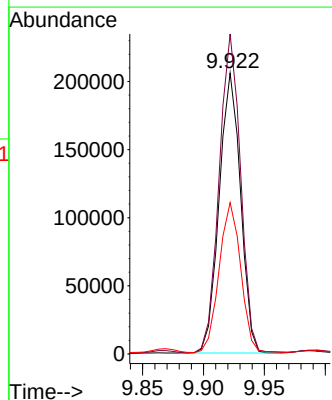
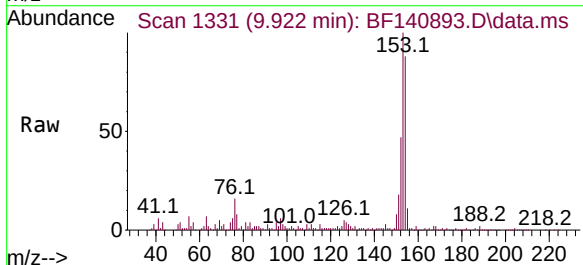
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

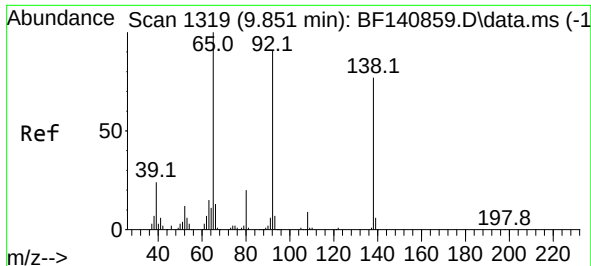
Tgt Ion:165 Resp: 56393
Ion Ratio Lower Upper
165 100
63 58.0 49.7 74.5
89 58.0 48.2 72.4



#52
Acenaphthene
Concen: 51.498 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.006 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

Tgt Ion:154 Resp: 250683
Ion Ratio Lower Upper
154 100
153 113.9 89.9 134.9
152 53.9 42.6 63.8

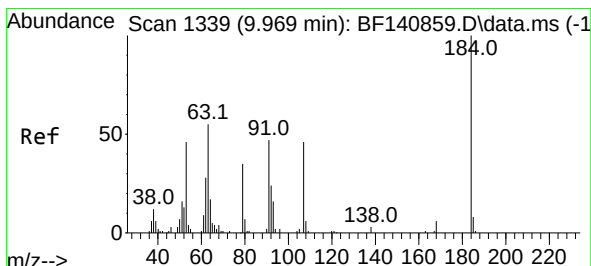
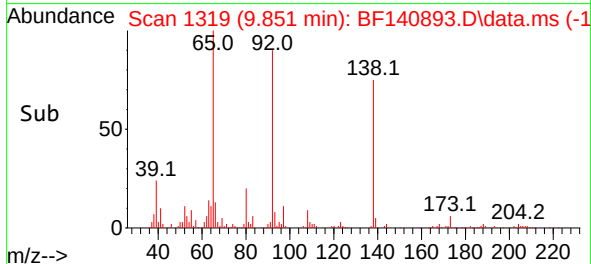
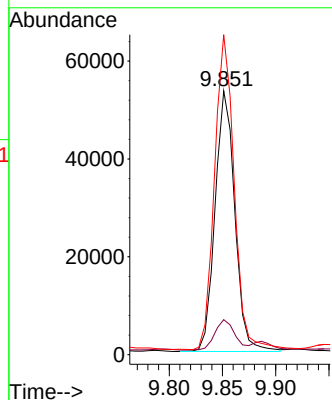
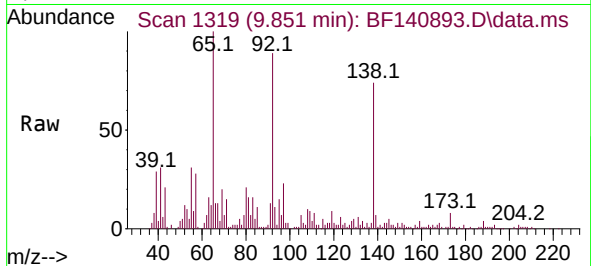




#53
3-Nitroaniline
Concen: 50.228 ng
RT: 9.851 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

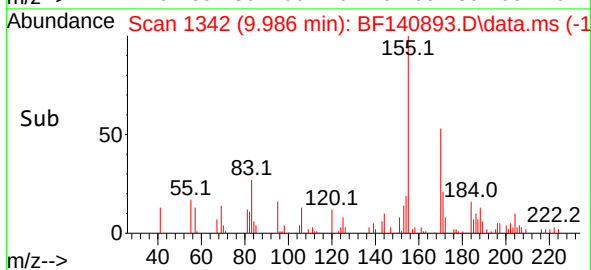
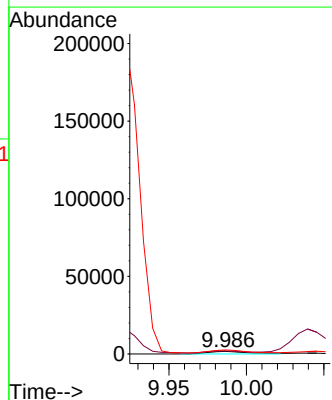
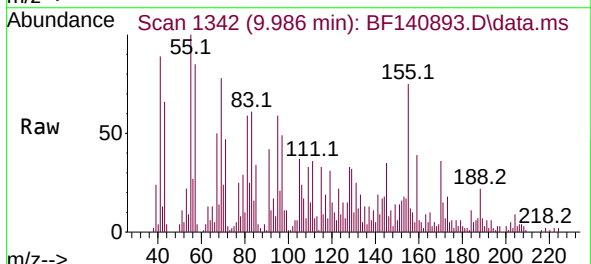
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

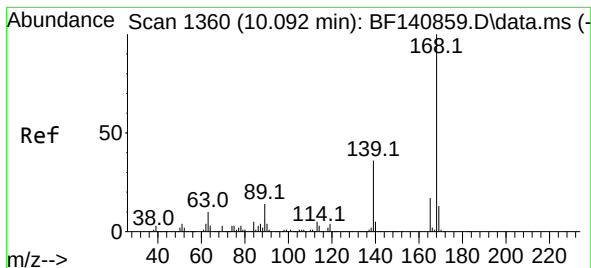
Tgt Ion:138 Resp: 68483
Ion Ratio Lower Upper
138 100
108 13.3 9.0 13.4
92 121.3 95.5 143.3



#54
2,4-Dinitrophenol
Concen: 10.671 ng
RT: 9.986 min Scan# 1342
Delta R.T. 0.017 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

Tgt Ion:184 Resp: 3015
Ion Ratio Lower Upper
184 100
63 119.8 51.6 77.4#
154 158.7 56.1 84.1#





#55

Dibenzenofuran

Concen: 51.831 ng

RT: 10.092 min Scan# 1360

Delta R.T. 0.000 min

Lab File: BF140893.D

Acq: 17 Dec 2024 18:41

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

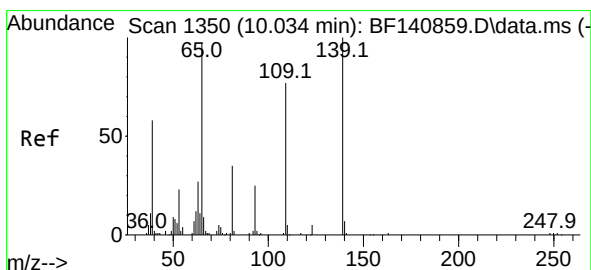
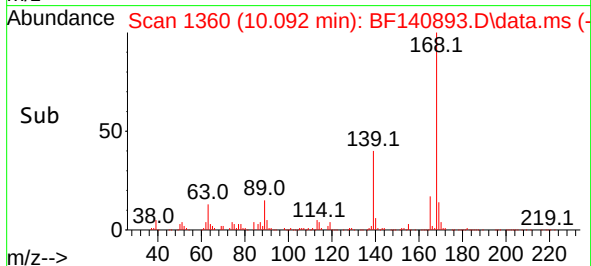
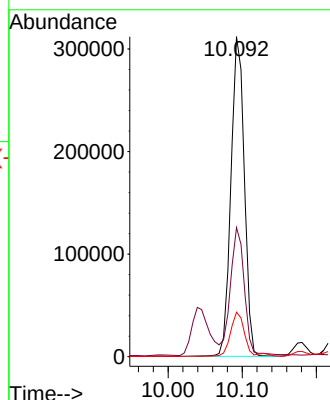
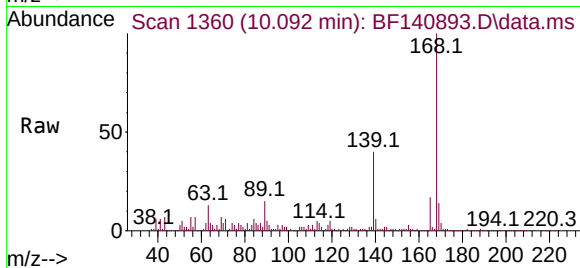
Tgt Ion:168 Resp: 390962

Ion Ratio Lower Upper

168 100

139 40.3 31.1 46.7

169 13.9 10.6 16.0



#56

4-Nitrophenol

Concen: 102.212 ng

RT: 10.039 min Scan# 1351

Delta R.T. 0.005 min

Lab File: BF140893.D

Acq: 17 Dec 2024 18:41

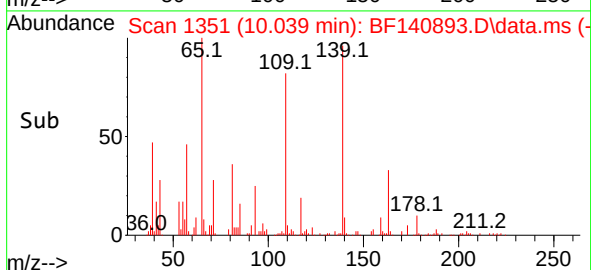
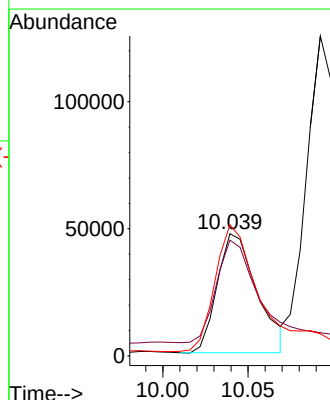
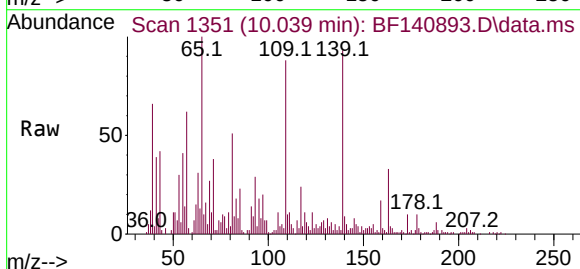
Tgt Ion:139 Resp: 75920

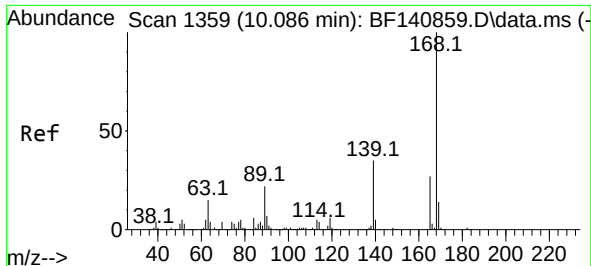
Ion Ratio Lower Upper

139 100

109 94.8 56.7 96.7

65 107.4 78.1 118.1

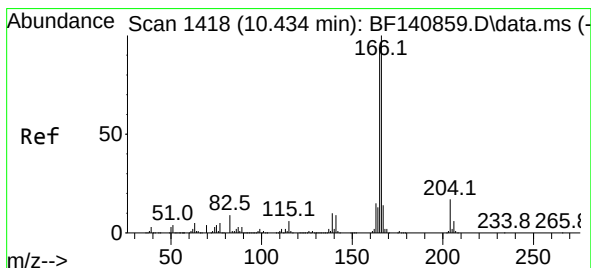
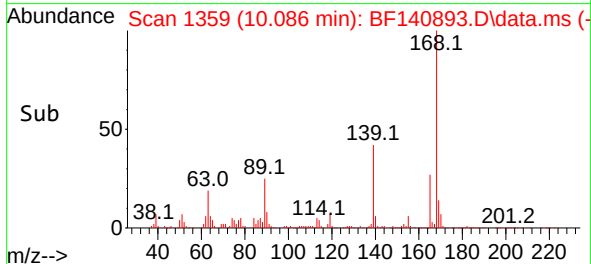
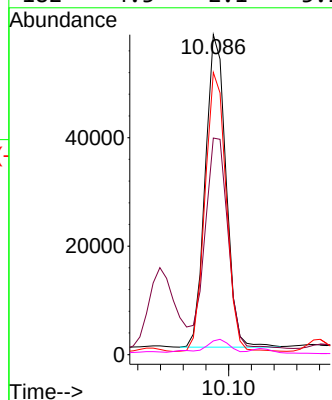
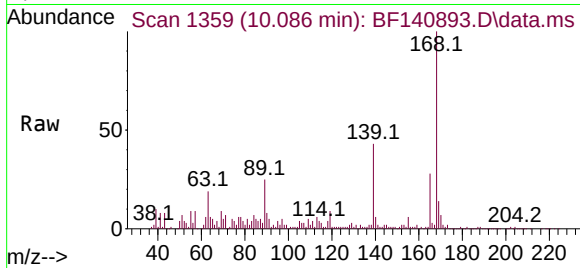




#57
2,4-Dinitrotoluene
Concen: 40.299 ng
RT: 10.086 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

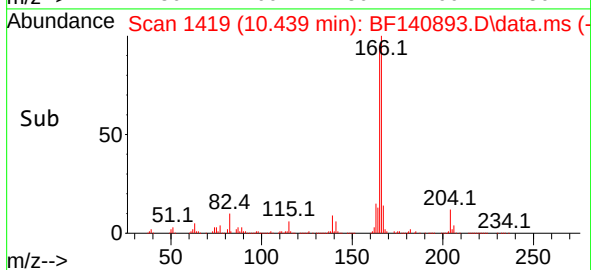
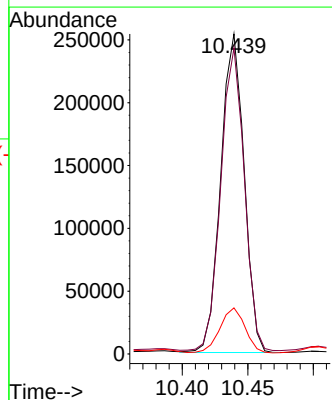
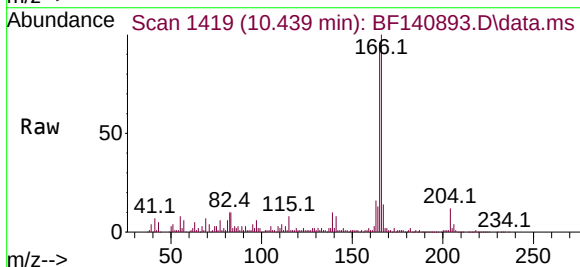
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

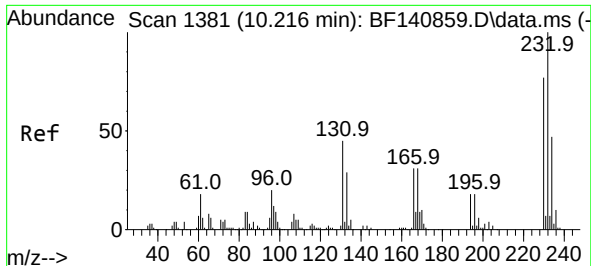
Tgt Ion:165 Resp: 72848
Ion Ratio Lower Upper
165 100
63 67.7 49.3 73.9
89 88.2 66.2 99.4
182 4.3 2.1 3.1#



#58
Fluorene
Concen: 50.593 ng
RT: 10.439 min Scan# 1419
Delta R.T. 0.006 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

Tgt Ion:166 Resp: 314839
Ion Ratio Lower Upper
166 100
165 95.6 75.1 112.7
167 14.4 11.1 16.7





#59

2,3,4,6-Tetrachlorophenol

Concen: 51.487 ng

RT: 10.222 min Scan# 1382

Delta R.T. 0.006 min

Lab File: BF140893.D

Acq: 17 Dec 2024 18:41

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

Tgt Ion:232 Resp: 73980

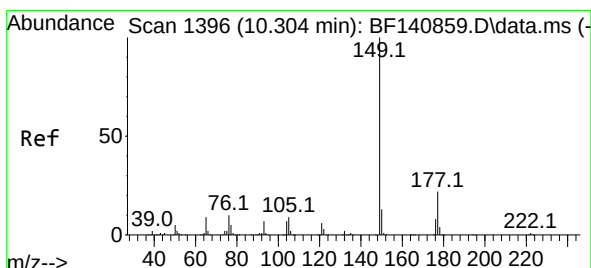
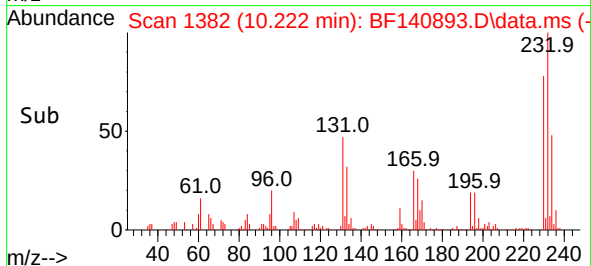
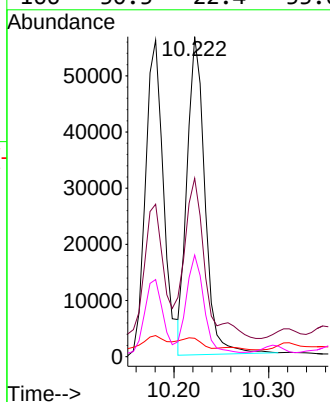
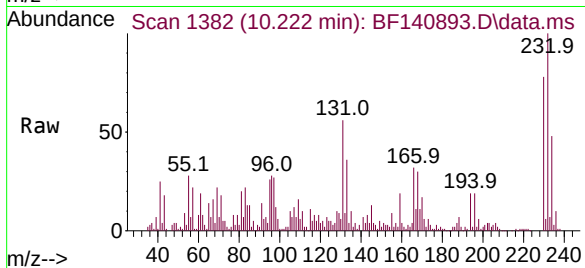
Ion Ratio Lower Upper

232 100

131 58.5 35.1 52.7#

130 3.8 1.8 2.8#

166 30.3 22.4 33.6



#60

Diethylphthalate

Concen: 51.264 ng

RT: 10.304 min Scan# 1396

Delta R.T. 0.000 min

Lab File: BF140893.D

Acq: 17 Dec 2024 18:41

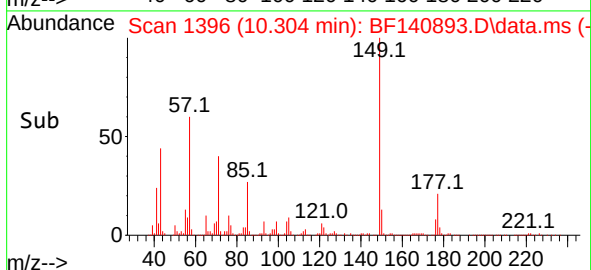
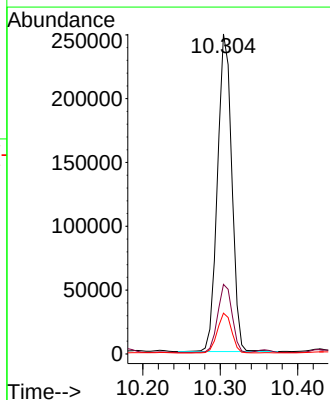
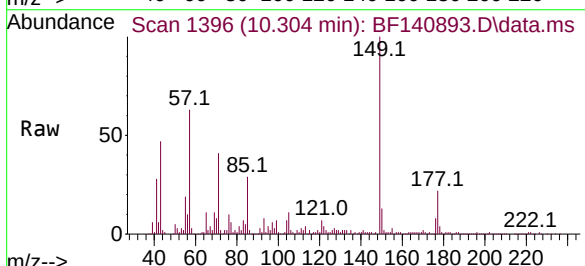
Tgt Ion:149 Resp: 319475

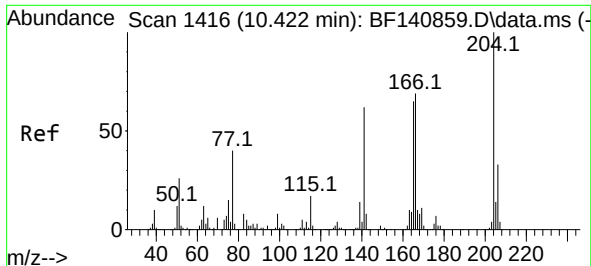
Ion Ratio Lower Upper

149 100

177 21.8 17.2 25.8

150 12.8 10.1 15.1

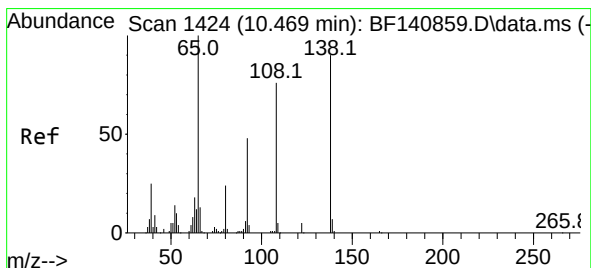
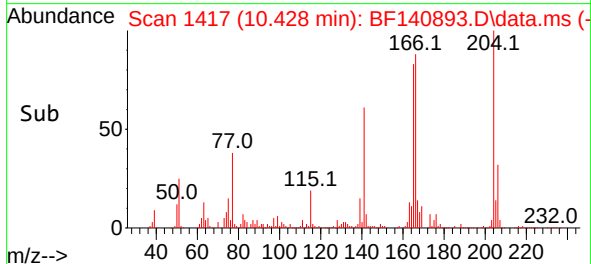
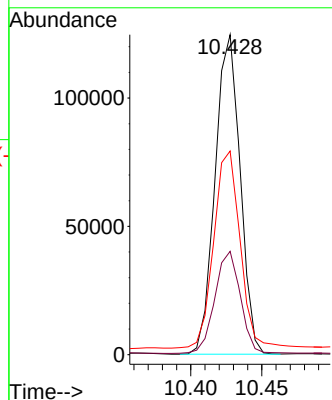
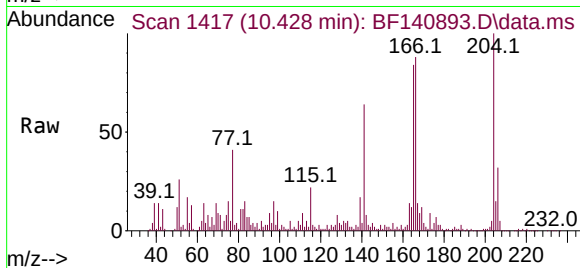




#61
4-Chlorophenyl-phenylether
Concen: 48.858 ng
RT: 10.428 min Scan# 1416
Delta R.T. 0.006 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

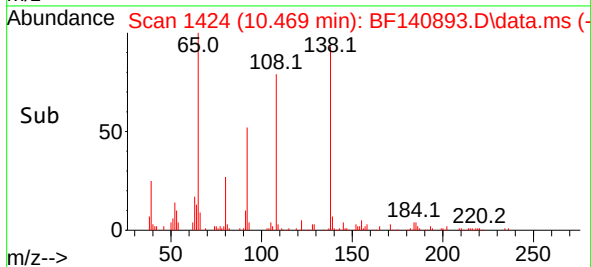
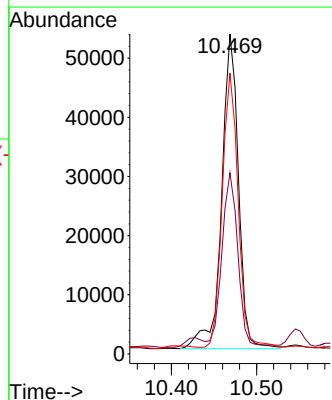
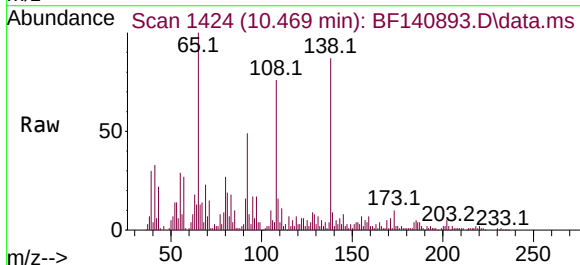
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

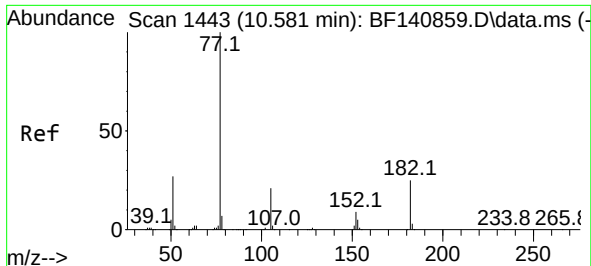
Tgt Ion:204 Resp: 152727
Ion Ratio Lower Upper
204 100
206 32.3 26.5 39.7
141 63.6 50.0 75.0



#62
4-Nitroaniline
Concen: 51.413 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.000 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

Tgt Ion:138 Resp: 73252
Ion Ratio Lower Upper
138 100
92 56.6 32.6 72.6
108 87.7 64.1 104.1

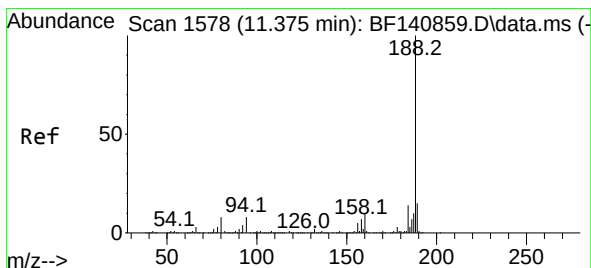
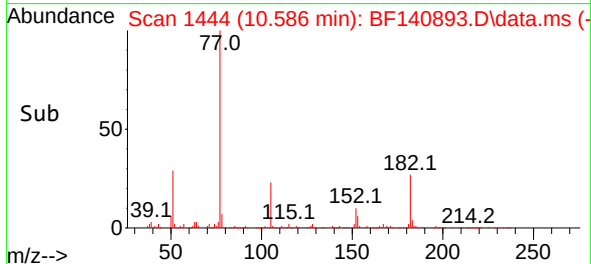
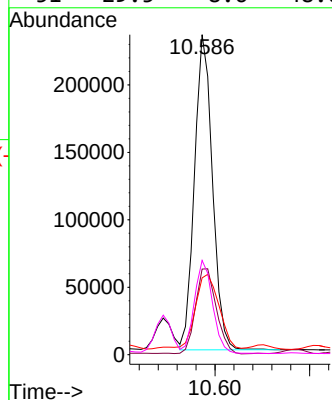
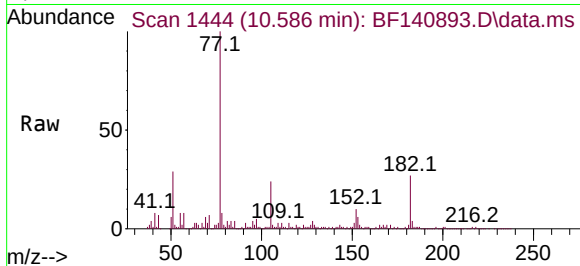




#63
Azobenzene
Concen: 52.637 ng
RT: 10.586 min Scan# 1443
Delta R.T. 0.006 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

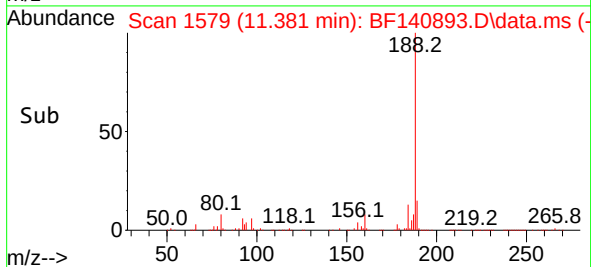
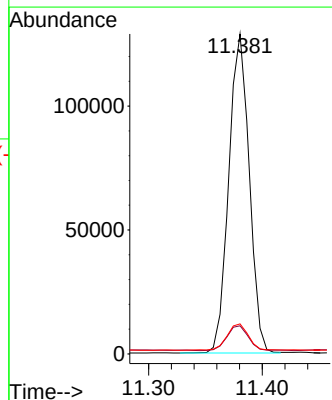
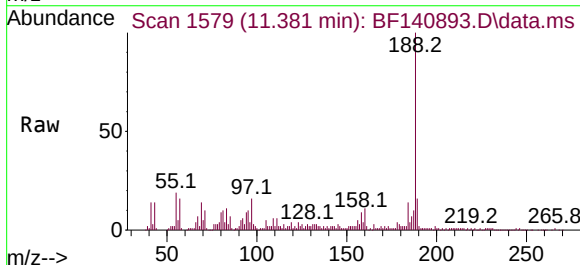
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

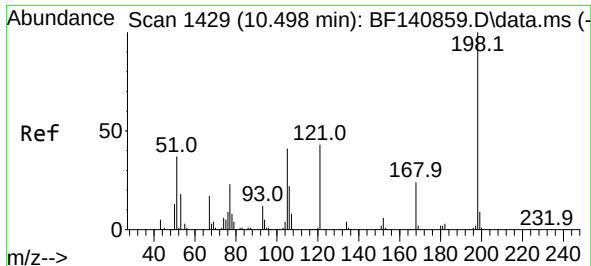
Tgt Ion: 77	Resp: 308392
Ion Ratio	Lower Upper
77 100	
182 26.8	4.5 44.5
105 24.0	0.9 40.9
51 29.5	8.6 48.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.381 min Scan# 1579
Delta R.T. 0.006 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

Tgt Ion:188	Resp: 161211
Ion Ratio	Lower Upper
188 100	
94 8.8	6.4 9.6
80 9.4	6.8 10.2

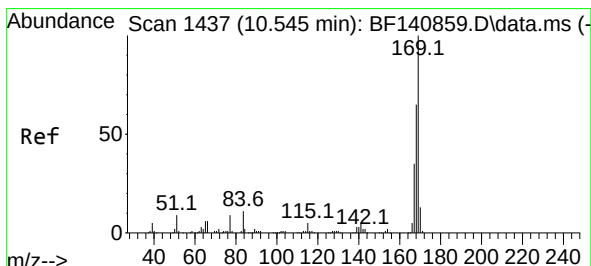
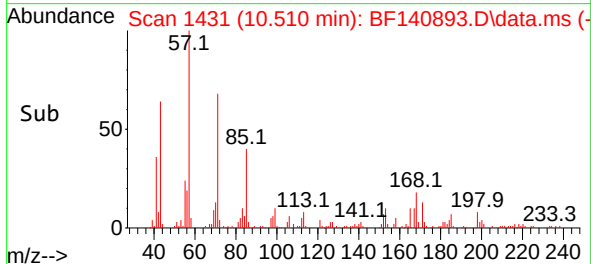
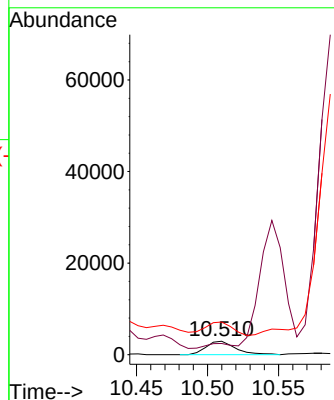
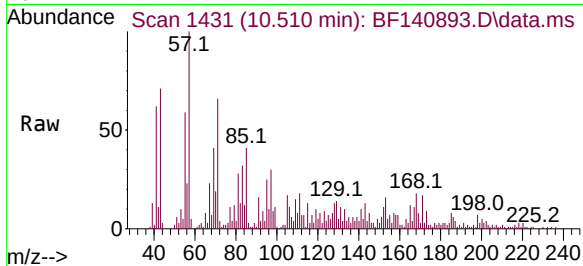




#65
4,6-Dinitro-2-methylphenol
Concen: 4.653 ng
RT: 10.510 min Scan# 1431
Delta R.T. 0.012 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

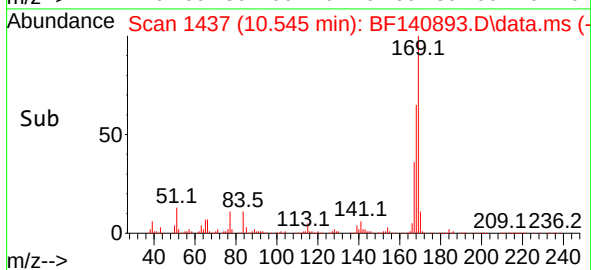
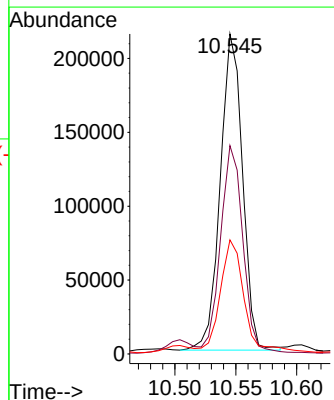
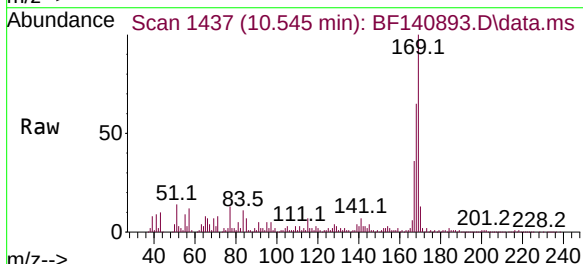
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

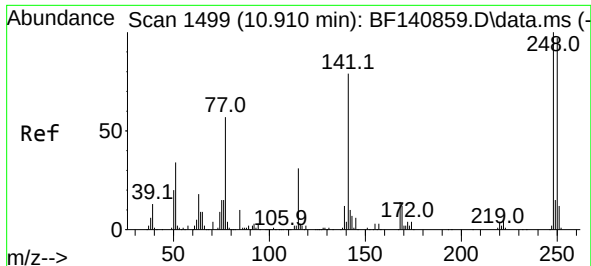
Tgt Ion:198 Resp: 4251
Ion Ratio Lower Upper
198 100
51 83.3 24.4 64.4#
105 242.0 22.1 62.1#



#66
n-Nitrosodiphenylamine
Concen: 55.068 ng
RT: 10.545 min Scan# 1437
Delta R.T. -0.000 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

Tgt Ion:169 Resp: 272947
Ion Ratio Lower Upper
169 100
168 65.1 53.4 80.0
167 35.6 28.3 42.5

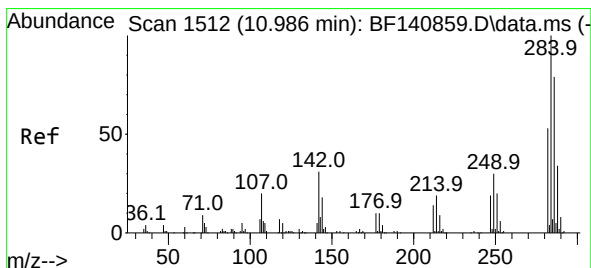
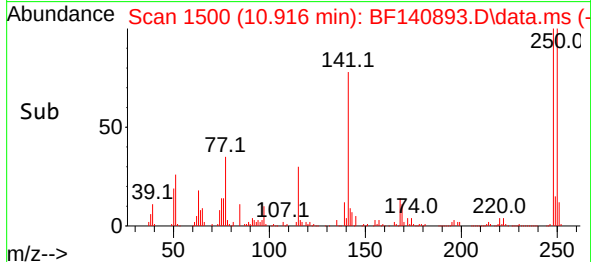
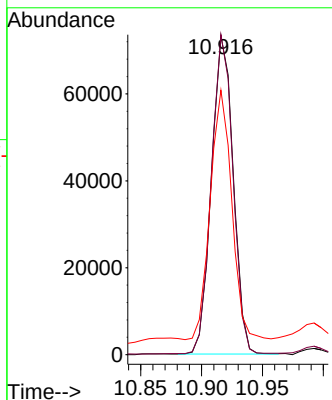
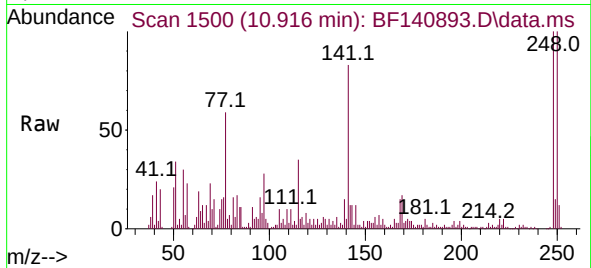




#67
4-Bromophenyl-phenylether
Concen: 50.397 ng
RT: 10.916 min Scan# 1499
Delta R.T. 0.006 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

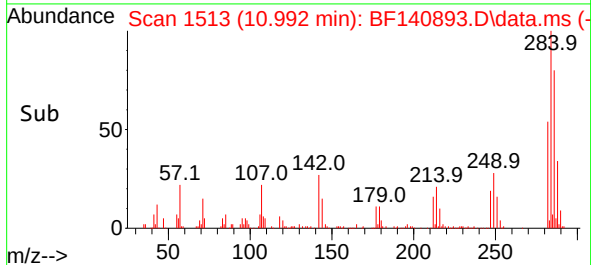
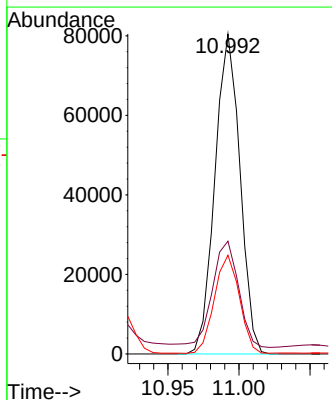
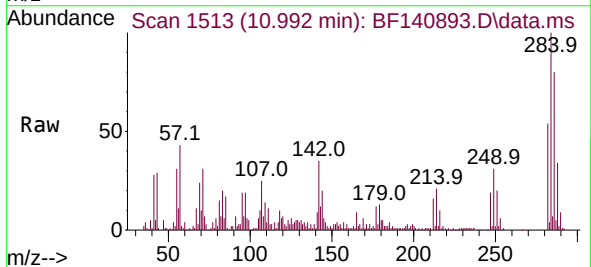
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

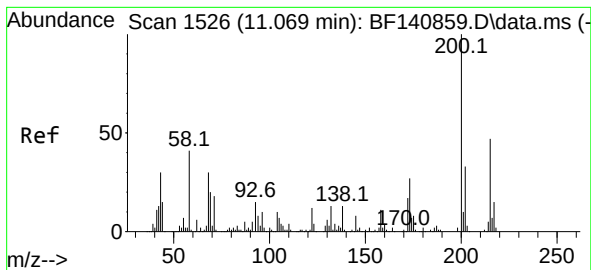
Tgt Ion:248 Resp: 90892
Ion Ratio Lower Upper
248 100
250 100.3 77.4 116.2
141 82.9 62.9 94.3



#68
Hexachlorobenzene
Concen: 48.179 ng
RT: 10.992 min Scan# 1513
Delta R.T. 0.006 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

Tgt Ion:284 Resp: 98517
Ion Ratio Lower Upper
284 100
142 35.2 24.6 36.8
249 30.9 24.3 36.5





#69

Atrazine

Concen: 59.614 ng

RT: 11.075 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF140893.D

Acq: 17 Dec 2024 18:41

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

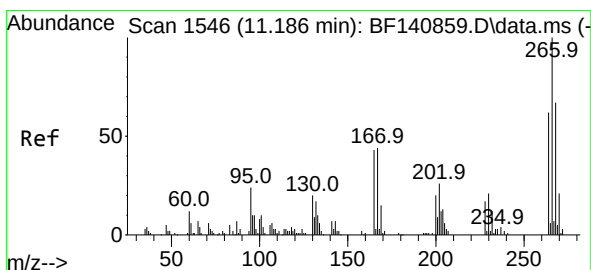
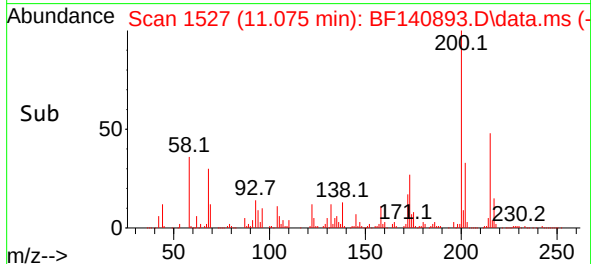
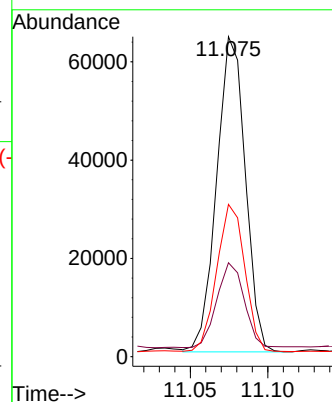
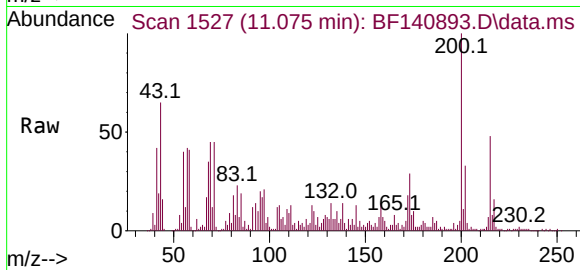
Tgt Ion:200 Resp: 82523

Ion Ratio Lower Upper

200 100

173 29.4 6.6 46.6

215 47.6 26.7 66.7



#70

Pentachlorophenol

Concen: 117.211 ng

RT: 11.198 min Scan# 1548

Delta R.T. 0.012 min

Lab File: BF140893.D

Acq: 17 Dec 2024 18:41

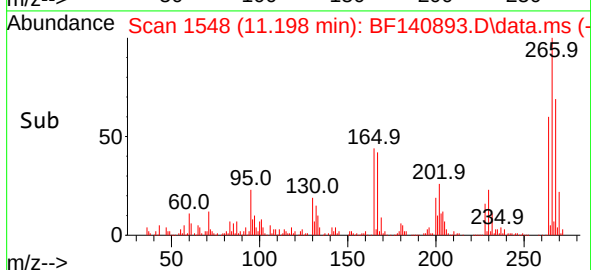
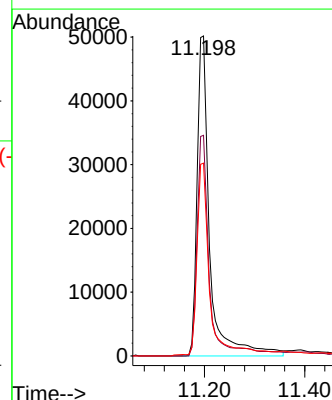
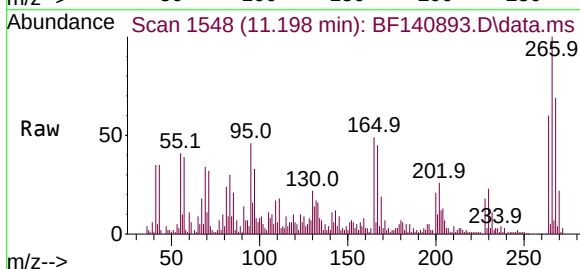
Tgt Ion:266 Resp: 87626

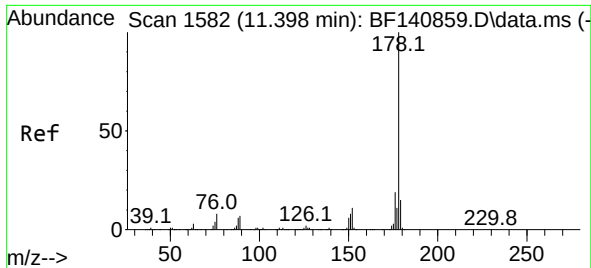
Ion Ratio Lower Upper

266 100

268 68.9 54.0 81.0

264 60.2 49.4 74.2

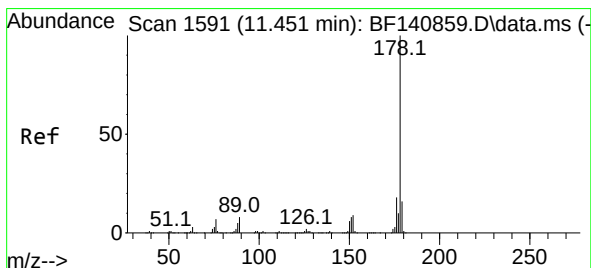
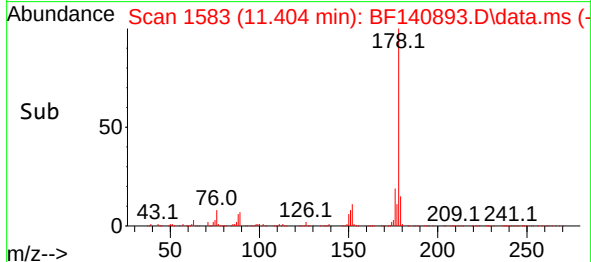
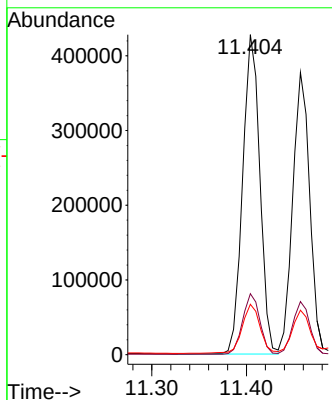
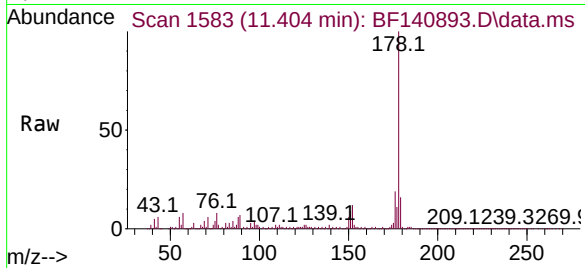




#71
Phenanthrene
Concen: 65.277 ng
RT: 11.404 min Scan# 1582
Delta R.T. 0.006 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

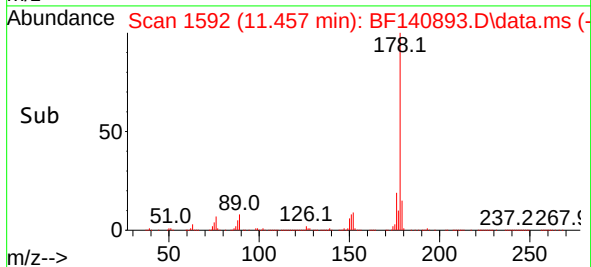
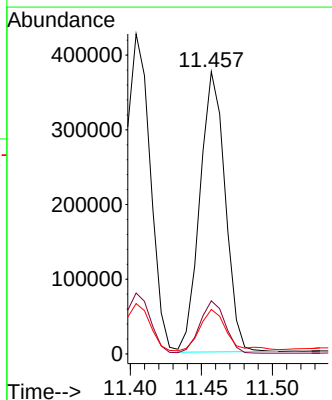
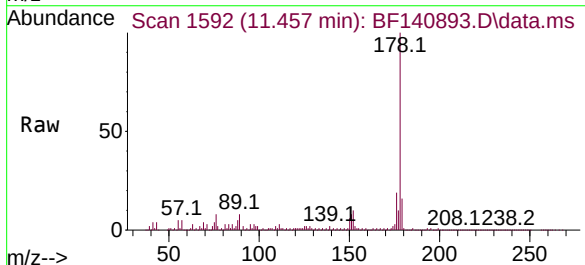
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

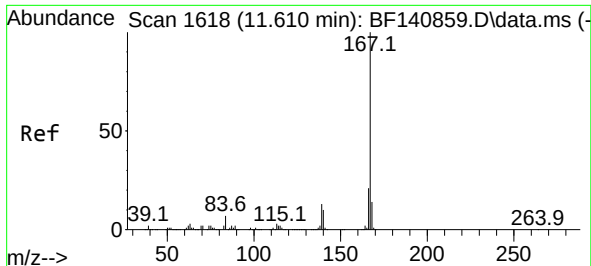
Tgt Ion:178 Resp: 541157
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 15.7 12.1 18.1



#72
Anthracene
Concen: 56.979 ng
RT: 11.457 min Scan# 1592
Delta R.T. 0.006 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

Tgt Ion:178 Resp: 465183
Ion Ratio Lower Upper
178 100
176 18.8 14.6 22.0
179 15.7 12.6 18.8

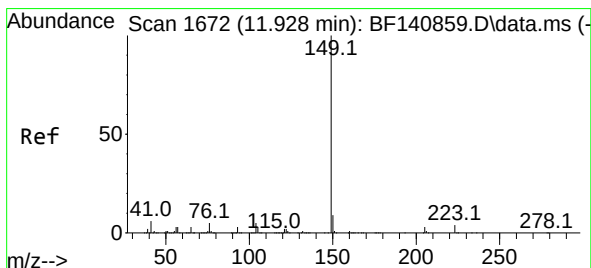
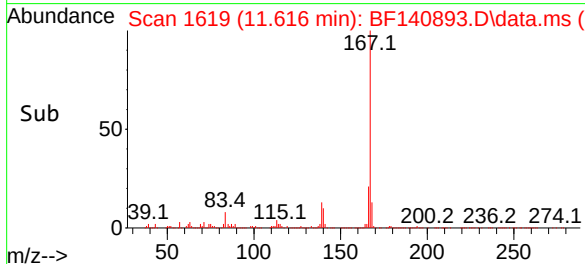
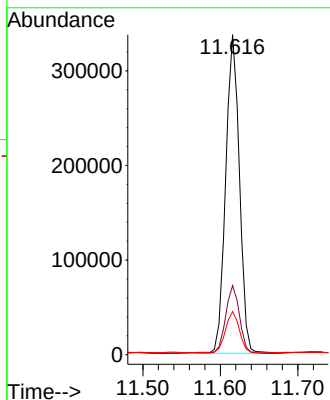
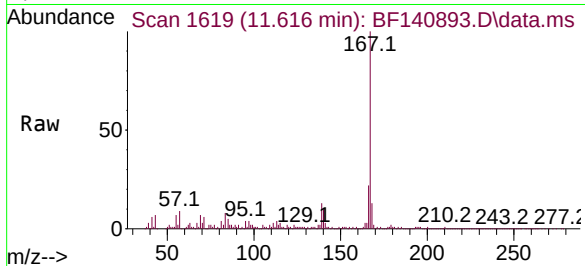




#73
 Carbazole
 Concen: 52.021 ng
 RT: 11.616 min Scan# 1618
 Delta R.T. 0.006 min
 Lab File: BF140893.D
 Acq: 17 Dec 2024 18:41

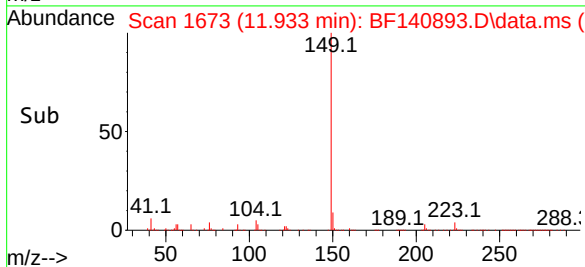
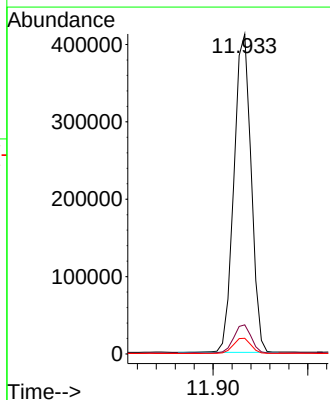
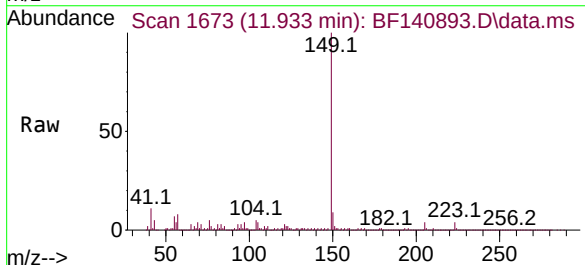
Instrument :
 BNA_F
 ClientSampleId :
 HR-04-121624MSD

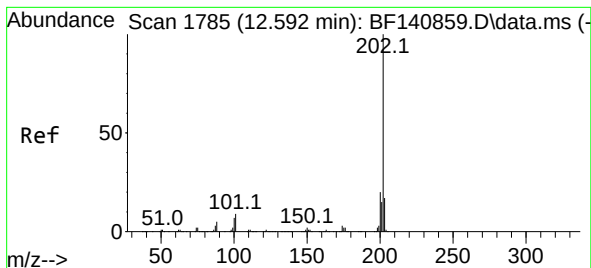
Tgt Ion:167 Resp: 415998
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.0 25.6
 139 13.5 10.2 15.2



#74
 Di-n-butylphthalate
 Concen: 55.173 ng
 RT: 11.933 min Scan# 1673
 Delta R.T. 0.006 min
 Lab File: BF140893.D
 Acq: 17 Dec 2024 18:41

Tgt Ion:149 Resp: 517794
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.5 11.3
 104 4.9 3.8 5.8





#75

Fluoranthene

Concen: 67.402 ng

RT: 12.598 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF140893.D

Acq: 17 Dec 2024 18:41

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

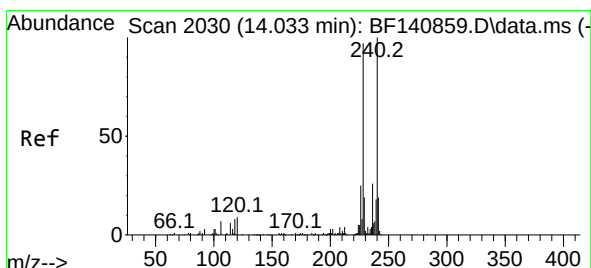
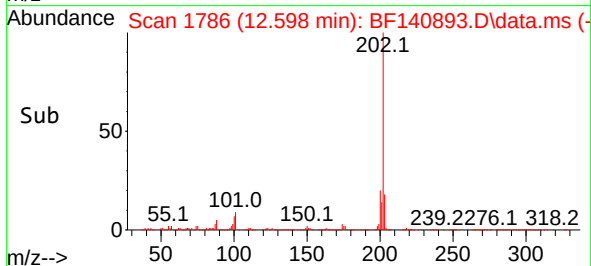
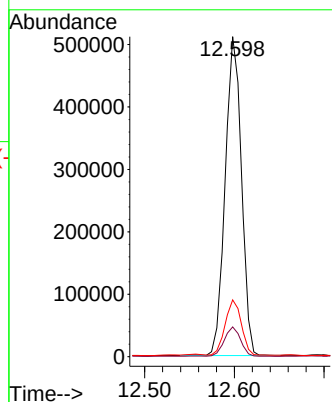
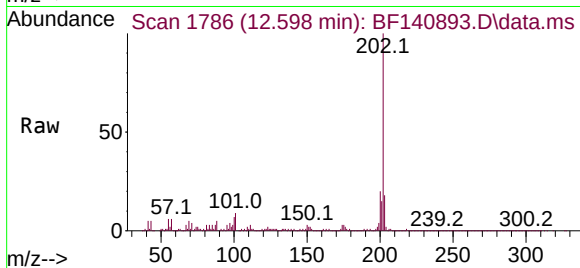
Tgt Ion:202 Resp: 643521

Ion Ratio Lower Upper

202 100

101 9.3 0.0 29.3

203 17.8 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2031

Delta R.T. 0.006 min

Lab File: BF140893.D

Acq: 17 Dec 2024 18:41

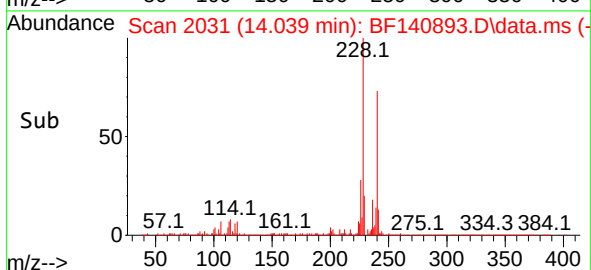
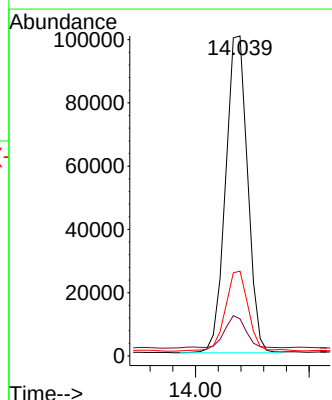
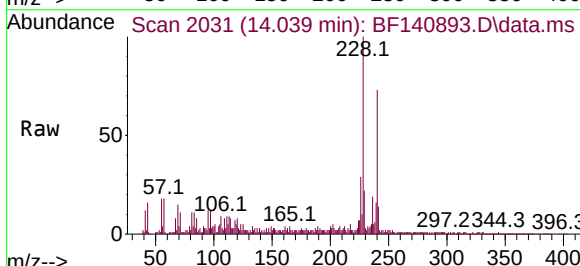
Tgt Ion:240 Resp: 134763

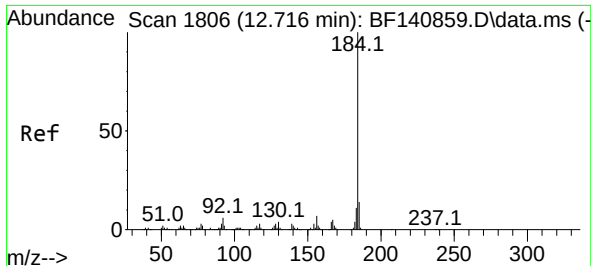
Ion Ratio Lower Upper

240 100

120 11.6 7.6 11.4#

236 26.5 20.5 30.7

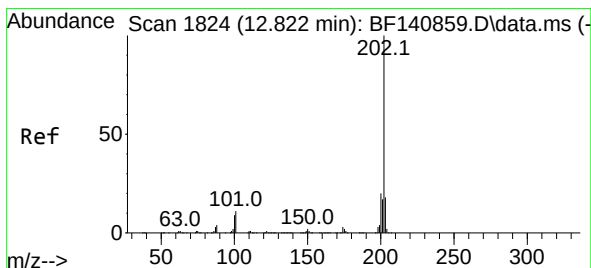
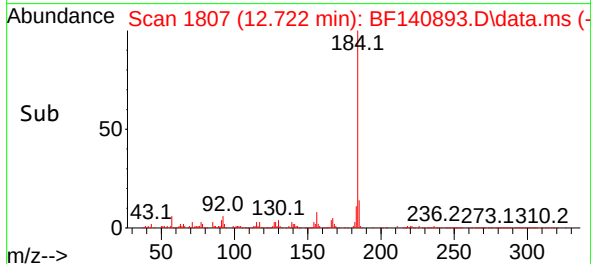
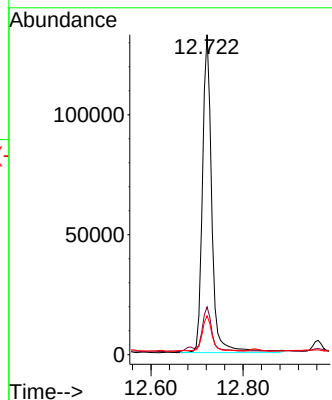
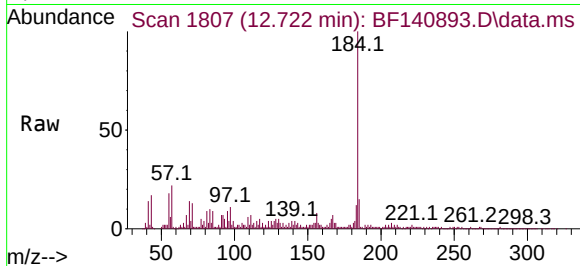




#77
Benzidine
Concen: 68.023 ng
RT: 12.722 min Scan# 1807
Delta R.T. 0.006 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

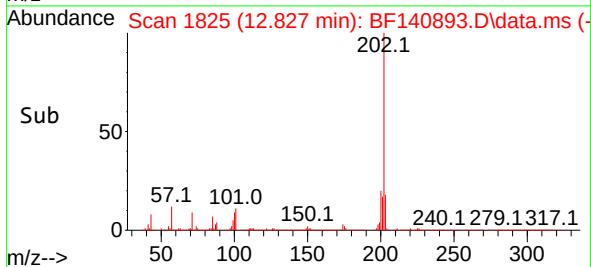
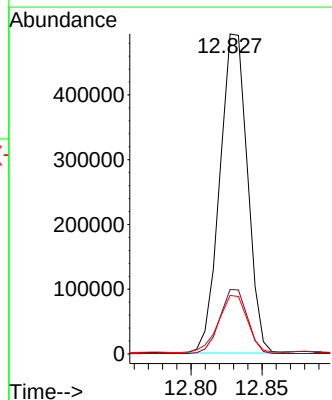
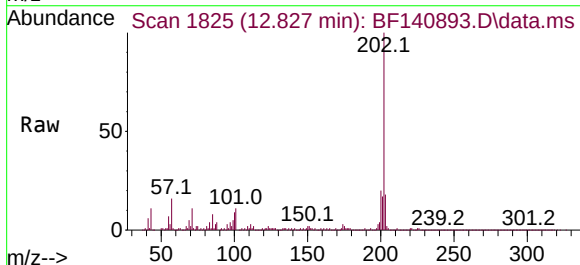
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BNA_F
ClientSampleId :
HR-04-121624MSD

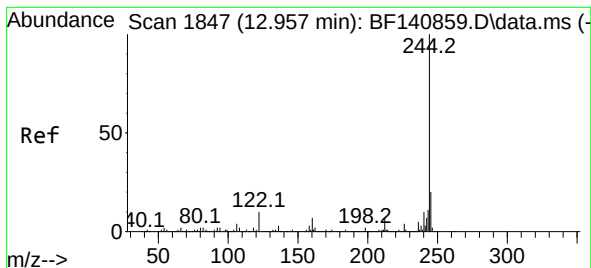
Tgt Ion:184 Resp: 187095
Ion Ratio Lower Upper
184 100
185 15.0 11.1 16.7
183 12.1 9.0 13.4



#78
Pyrene
Concen: 55.684 ng
RT: 12.827 min Scan# 1825
Delta R.T. 0.006 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

Tgt Ion:202 Resp: 667308
Ion Ratio Lower Upper
202 100
200 20.2 16.1 24.1
203 18.3 14.2 21.4





#79

Terphenyl-d14

Concen: 57.351 ng

RT: 12.963 min Scan# 1847

Delta R.T. 0.006 min

Lab File: BF140893.D

Acq: 17 Dec 2024 18:41

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

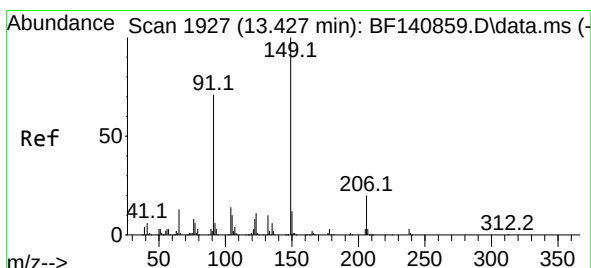
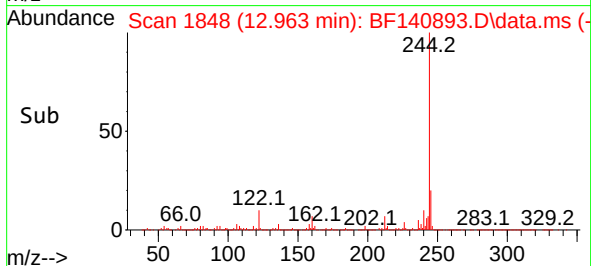
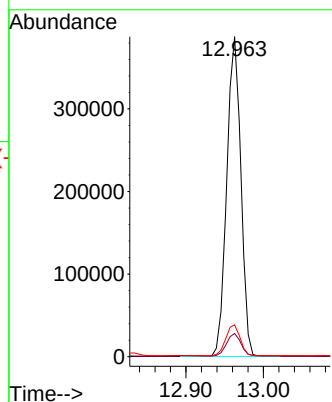
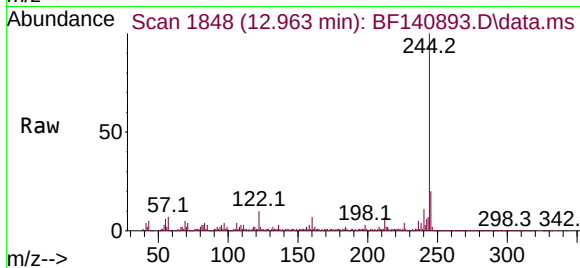
Tgt Ion:244 Resp: 490134

Ion Ratio Lower Upper

244 100

212 7.2 5.6 8.4

122 10.0 8.2 12.2



#80

Butylbenzylphthalate

Concen: 52.033 ng

RT: 13.433 min Scan# 1928

Delta R.T. 0.006 min

Lab File: BF140893.D

Acq: 17 Dec 2024 18:41

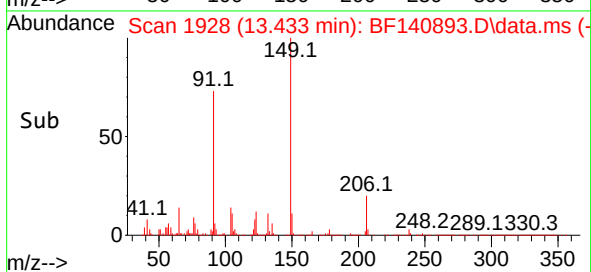
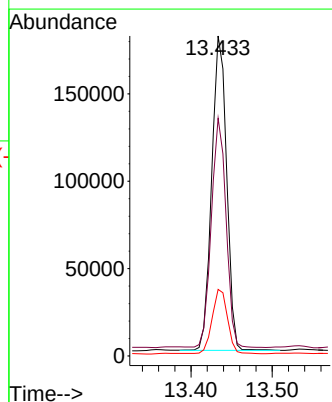
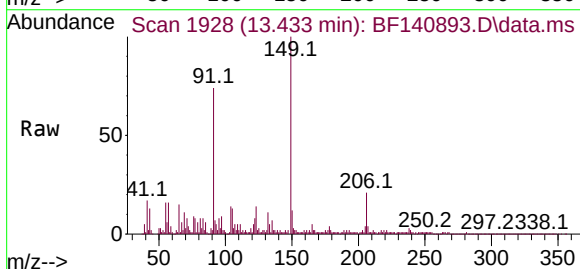
Tgt Ion:149 Resp: 229440

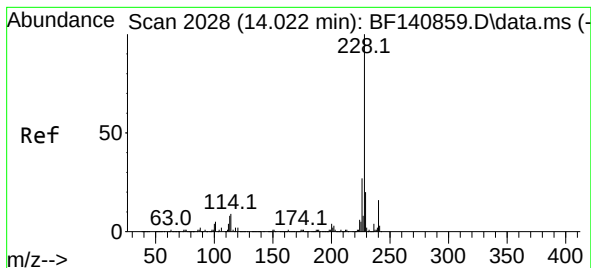
Ion Ratio Lower Upper

149 100

91 74.3 56.7 85.1

206 20.8 16.4 24.6





#81

Benzo(a)anthracene

Concen: 58.557 ng

RT: 14.027 min Scan# 2028

Delta R.T. 0.006 min

Lab File: BF140893.D

Acq: 17 Dec 2024 18:41

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

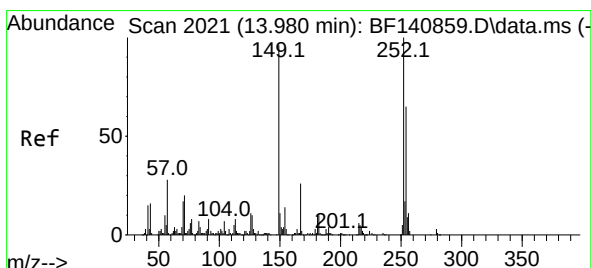
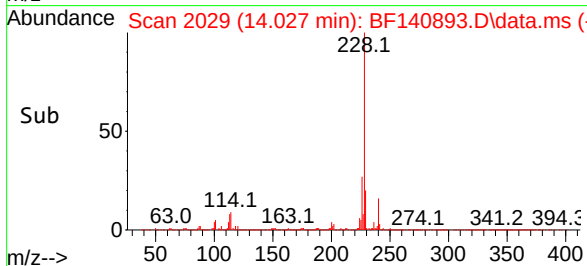
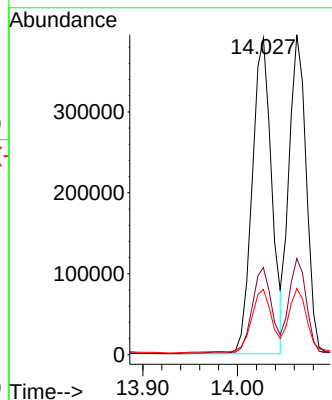
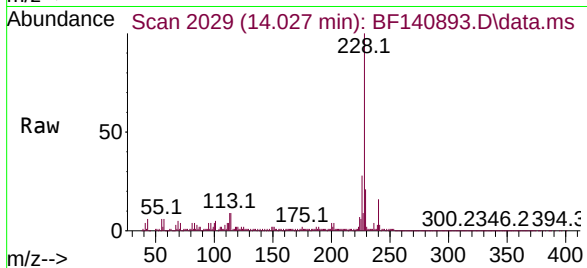
Tgt Ion:228 Resp: 559281

Ion Ratio Lower Upper

228 100

226 27.5 21.8 32.8

229 20.6 15.8 23.8



#82

3,3'-Dichlorobenzidine

Concen: 41.603 ng

RT: 13.980 min Scan# 2021

Delta R.T. 0.000 min

Lab File: BF140893.D

Acq: 17 Dec 2024 18:41

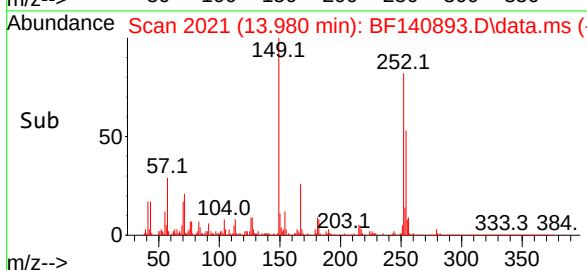
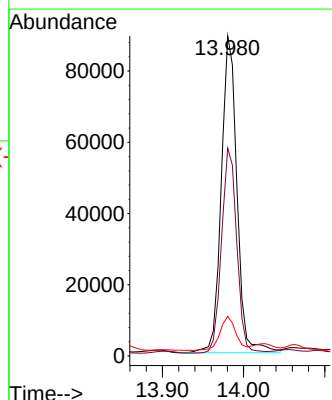
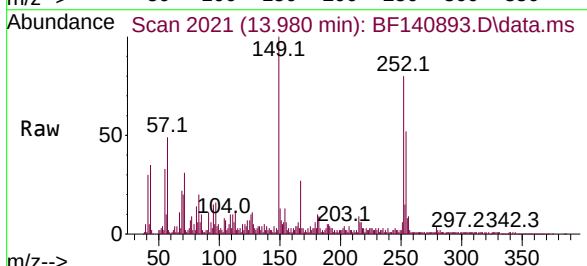
Tgt Ion:252 Resp: 119884

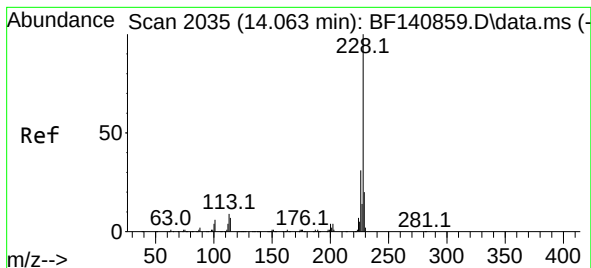
Ion Ratio Lower Upper

252 100

254 65.0 52.3 78.5

126 12.4 8.4 12.6





#83

Chrysene

Concen: 56.771 ng

RT: 14.063 min Scan# 2035

Delta R.T. -0.000 min

Lab File: BF140893.D

Acq: 17 Dec 2024 18:41

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

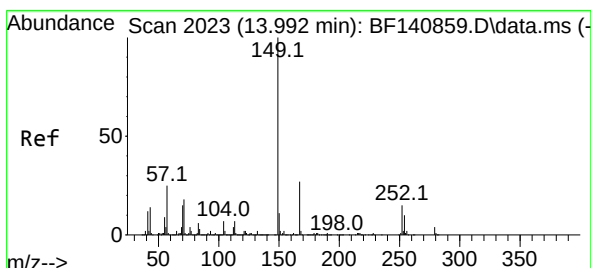
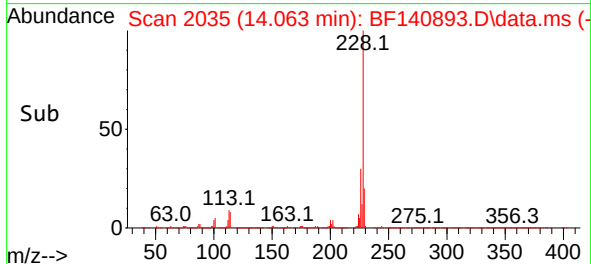
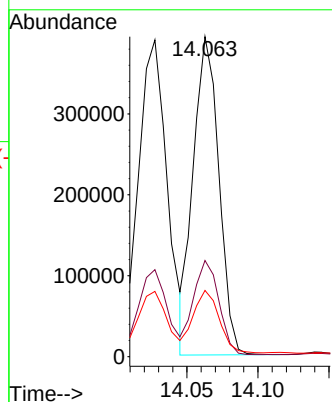
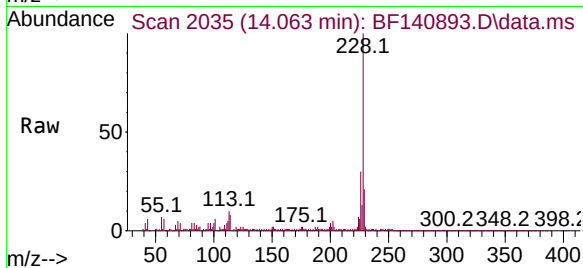
Tgt Ion:228 Resp: 493068

Ion Ratio Lower Upper

228 100

226 30.1 24.1 36.1

229 20.7 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 68.487 ng

RT: 13.992 min Scan# 2023

Delta R.T. -0.000 min

Lab File: BF140893.D

Acq: 17 Dec 2024 18:41

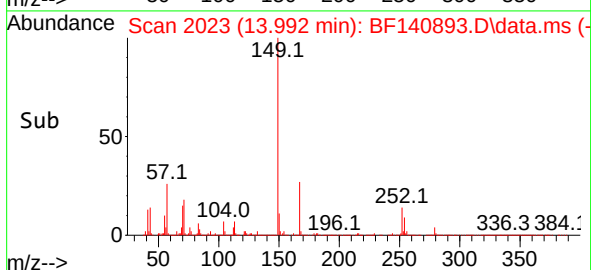
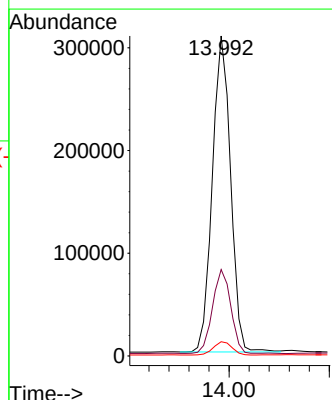
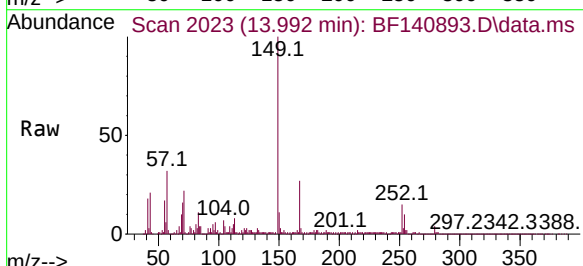
Tgt Ion:149 Resp: 389399

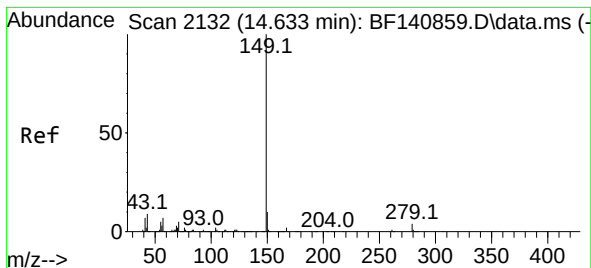
Ion Ratio Lower Upper

149 100

167 27.0 21.8 32.8

279 4.5 3.5 5.3





#85

Di-n-octyl phthalate

Concen: 64.188 ng

RT: 14.621 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF140893.D

Acq: 17 Dec 2024 18:41

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

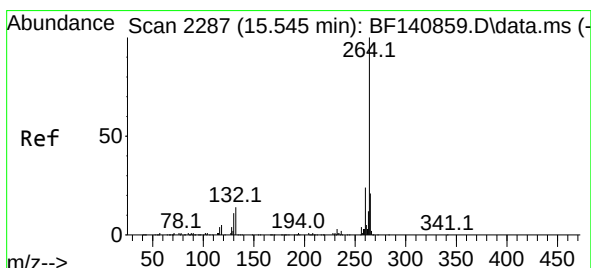
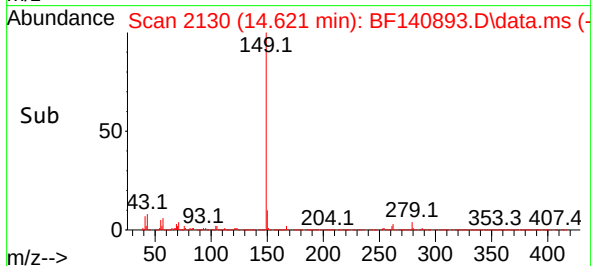
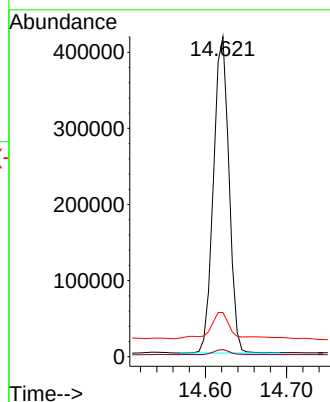
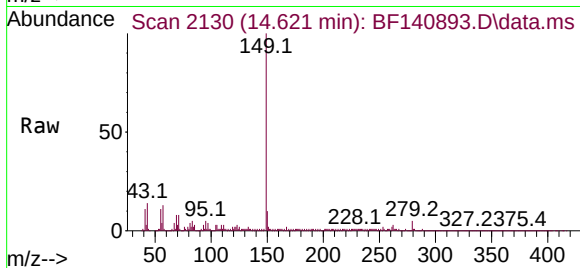
Tgt Ion:149 Resp: 552136

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 9.8 7.0 10.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 2285

Delta R.T. -0.012 min

Lab File: BF140893.D

Acq: 17 Dec 2024 18:41

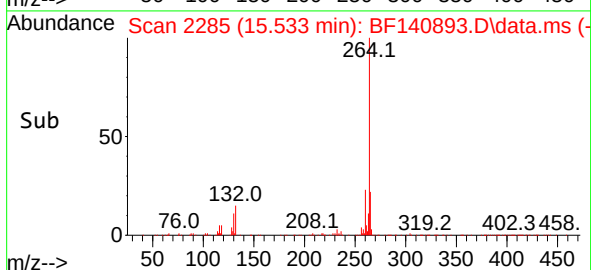
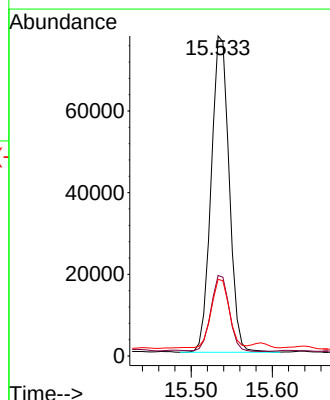
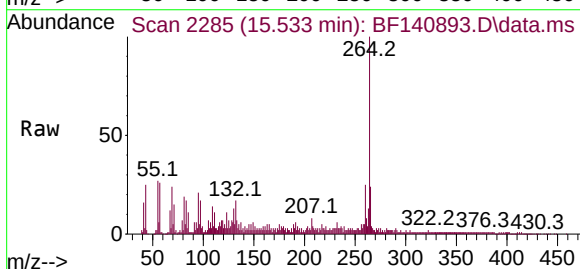
Tgt Ion:264 Resp: 119111

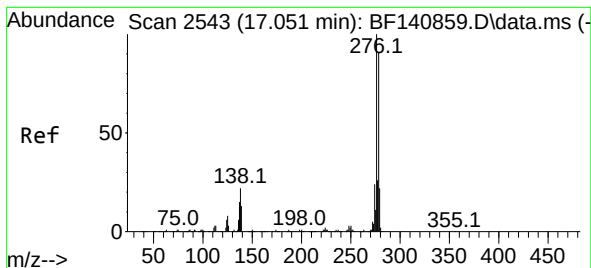
Ion Ratio Lower Upper

264 100

260 25.2 19.1 28.7

265 23.9 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 54.221 ng

RT: 17.057 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF140893.D

Acq: 17 Dec 2024 18:41

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

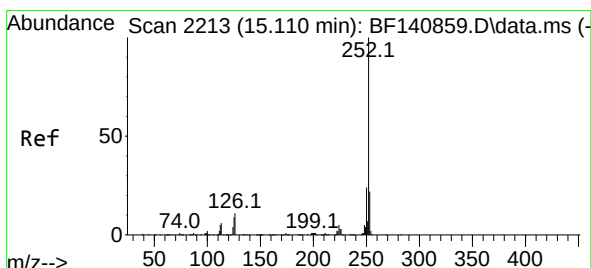
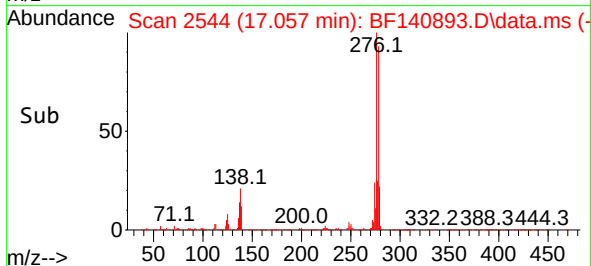
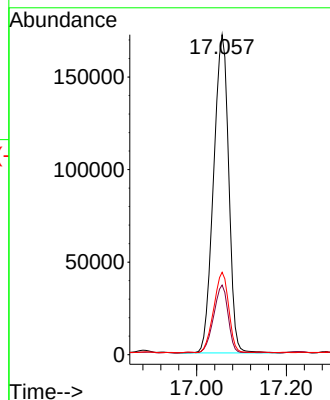
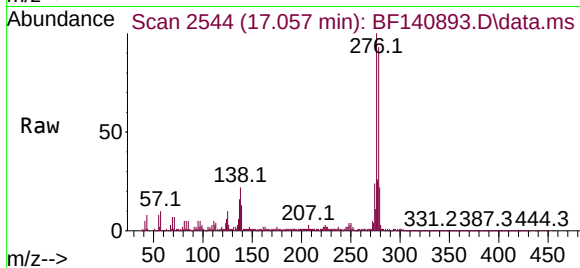
Tgt Ion:276 Resp: 403023

Ion Ratio Lower Upper

276 100

138 19.9 16.9 25.3

277 24.9 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 58.113 ng

RT: 15.098 min Scan# 2211

Delta R.T. -0.012 min

Lab File: BF140893.D

Acq: 17 Dec 2024 18:41

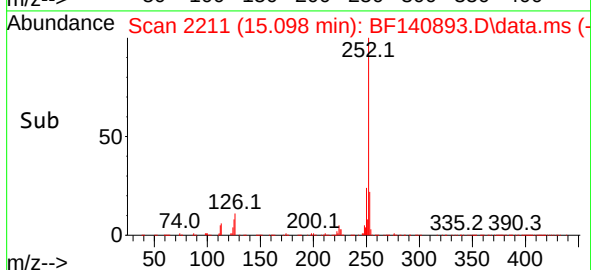
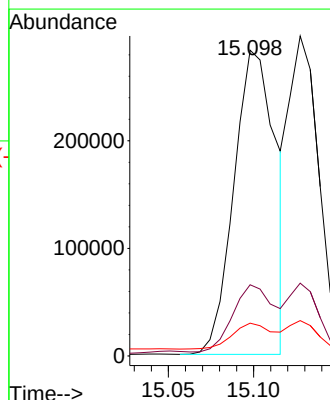
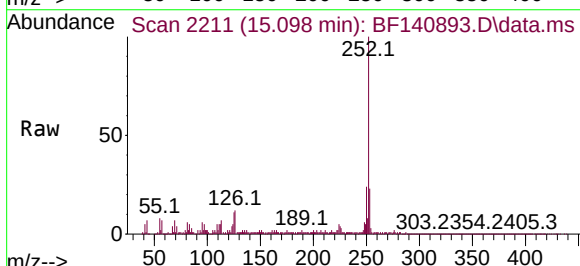
Tgt Ion:252 Resp: 480482

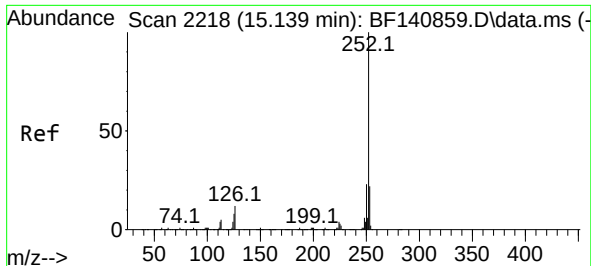
Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.6

125 10.8 7.0 10.4#

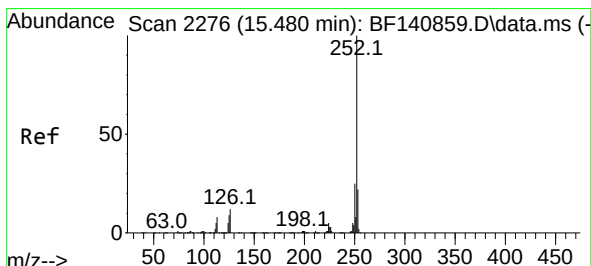
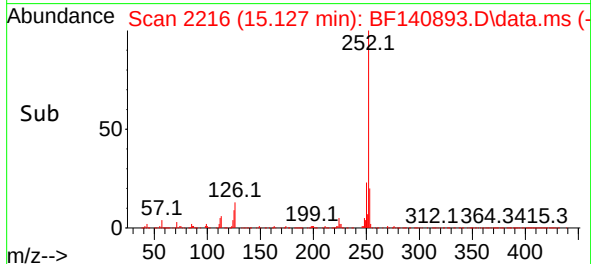
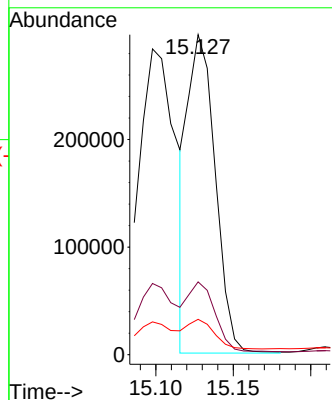
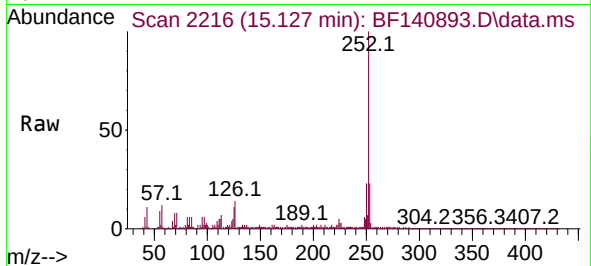




#89
Benzo(k)fluoranthene
Concen: 51.502 ng
RT: 15.127 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

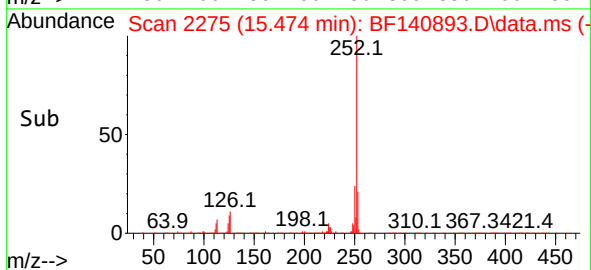
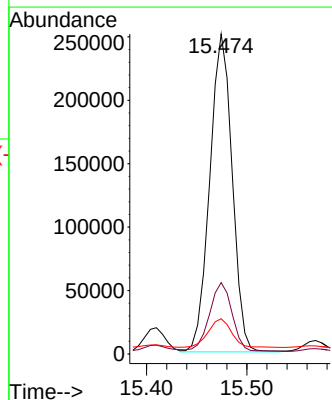
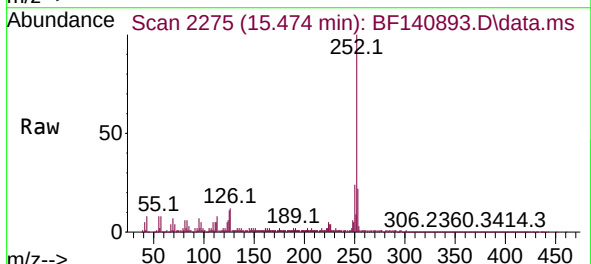
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

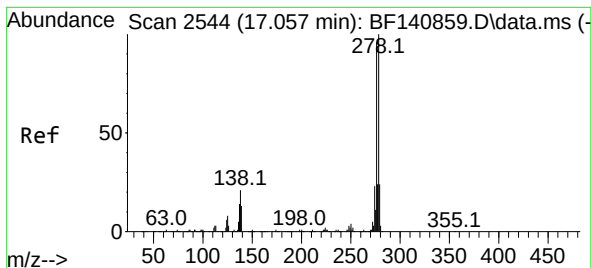
Tgt Ion:252 Resp: 365269
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 11.0 6.8 10.2#



#90
Benzo(a)pyrene
Concen: 60.255 ng
RT: 15.474 min Scan# 2275
Delta R.T. -0.006 min
Lab File: BF140893.D
Acq: 17 Dec 2024 18:41

Tgt Ion:252 Resp: 390101
Ion Ratio Lower Upper
252 100
253 22.3 17.5 26.3
125 11.0 7.5 11.3





#91

Dibenzo(a,h)anthracene

Concen: 53.044 ng

RT: 17.057 min Scan# 2544

Delta R.T. 0.000 min

Lab File: BF140893.D

Acq: 17 Dec 2024 18:41

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

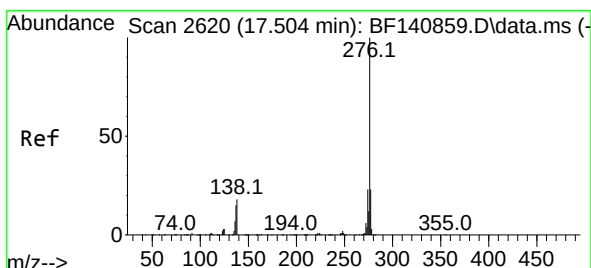
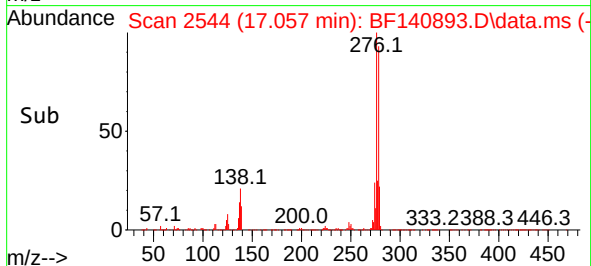
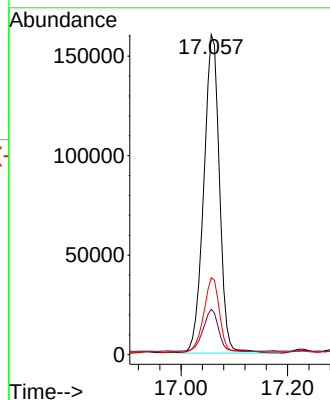
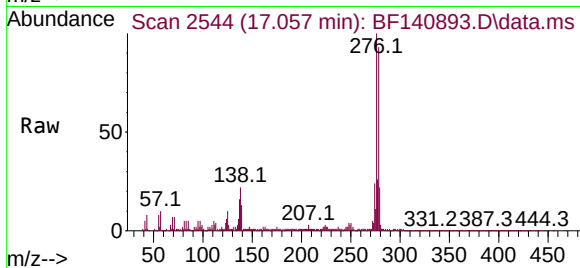
Tgt Ion:278 Resp: 326635

Ion Ratio Lower Upper

278 100

139 14.2 10.6 16.0

279 24.1 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 48.388 ng

RT: 17.510 min Scan# 2621

Delta R.T. 0.006 min

Lab File: BF140893.D

Acq: 17 Dec 2024 18:41

Tgt Ion:276 Resp: 303260

Ion Ratio Lower Upper

276 100

277 24.3 18.7 28.1

138 18.1 14.2 21.2

