

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121824\
 Data File : BF140917.D
 Acq On : 18 Dec 2024 20:15
 Operator : RC/JU
 Sample : P5301-03MSRE
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-04-121624MS

Quant Time: Dec 19 00:18:01 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	75530	20.000	ng	0.00
21) Naphthalene-d8	8.133	136	249367	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	135551	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	199662	20.000	ng	0.00
76) Chrysene-d12	14.033	240	124212	20.000	ng	0.00
86) Perylene-d12	15.515	264	102846	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	463420	101.003	ng	0.00
7) Phenol-d6	6.504	99	608727	100.167	ng	0.00
23) Nitrobenzene-d5	7.416	82	403348	80.925	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	144676	90.243	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	660434	66.986	ng	0.00
79) Terphenyl-d14	12.963	244	513134	65.142	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.634	88	67972	34.394	ng	99
3) Pyridine	3.416	79	178992	39.108	ng	97
4) n-Nitrosodimethylamine	3.363	42	98491	42.687	ng	# 96
6) Aniline	6.516	93	133069	25.610	ng	# 41
8) 2-Chlorophenol	6.645	128	238309	47.629	ng	100
9) Benzaldehyde	6.404	77	51574	15.316	ng	95
10) Phenol	6.516	94	293384	46.580	ng	91
11) bis(2-Chloroethyl)ether	6.581	93	219050	46.635	ng	98
12) 1,3-Dichlorobenzene	6.787	146	248058	43.509	ng	98
13) 1,4-Dichlorobenzene	6.869	146	251707	43.494	ng	100
14) 1,2-Dichlorobenzene	7.016	146	240576	44.059	ng	99
15) Benzyl Alcohol	6.998	79	209833	48.291	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.122	45	263675	47.652	ng	86
17) 2-Methylphenol	7.122	107	186708	46.740	ng	98
18) Hexachloroethane	7.357	117	93273	43.293	ng	99
19) n-Nitroso-di-n-propyla...	7.263	70	171412	47.022	ng	99
20) 3+4-Methylphenols	7.275	107	251701	47.518	ng	# 81
22) Acetophenone	7.263	105	343084	54.999	ng	95
24) Nitrobenzene	7.439	77	253875	49.719	ng	96
25) Isophorone	7.675	82	389211	46.605	ng	99
26) 2-Nitrophenol	7.751	139	111925	47.592	ng	98
27) 2,4-Dimethylphenol	7.792	122	159479	58.067	ng	98
28) bis(2-Chloroethoxy)met...	7.881	93	241798	46.357	ng	97
29) 2,4-Dichlorophenol	8.010	162	177240	46.743	ng	98
30) 1,2,4-Trichlorobenzene	8.075	180	183109	42.126	ng	98
31) Naphthalene	8.151	128	619469	45.223	ng	100
32) Benzoic acid	7.945	122	97499	37.431	ng	# 84
33) 4-Chloroaniline	8.216	127	70497	15.496	ng	96
34) Hexachlorobutadiene	8.263	225	125353	42.863	ng	100
35) Caprolactam	8.586	113	52934	46.892	ng	# 84
36) 4-Chloro-3-methylphenol	8.710	107	186624	43.729	ng	99
37) 2-Methylnaphthalene	8.845	142	419512	46.298	ng	99
38) 1-Methylnaphthalene	8.945	142	384423	42.898	ng	98
40) 1,2,4,5-Tetrachloroben...	9.010	216	199628	47.914	ng	99
41) Hexachlorocyclopentadiene	8.992	237	6168	8.820	ng	99
43) 2,4,6-Trichlorophenol	9.133	196	120677	47.303	ng	99

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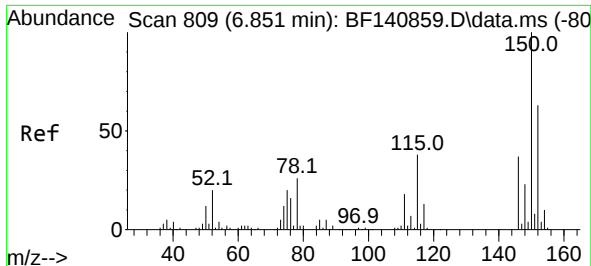
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	121652	43.384	ng	95
46) 1,1'-Biphenyl	9.310	154	526330	48.830	ng	99
47) 2-Chloronaphthalene	9.333	162	377227	45.747	ng	99
48) 2-Nitroaniline	9.439	65	118073	47.412	ng	98
49) Acenaphthylene	9.751	152	590505	48.730	ng	99
50) Dimethylphthalate	9.610	163	451019	47.194	ng	99
51) 2,6-Dinitrotoluene	9.680	165	94174	43.105	ng	97
52) Acenaphthene	9.922	154	351219	45.373	ng	100
53) 3-Nitroaniline	9.851	138	71146	32.815	ng	# 98
54) 2,4-Dinitrophenol	9.975	184	43479	43.994	ng	97
55) Dibenzofuran	10.098	168	524059	43.691	ng	100
56) 4-Nitrophenol	10.045	139	87359	75.190	ng	91
57) 2,4-Dinitrotoluene	10.092	165	118931	41.374	ng	# 99
58) Fluorene	10.439	166	421524	42.597	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.222	232	94781	41.482	ng	# 84
60) Diethylphthalate	10.310	149	422974	42.682	ng	99
61) 4-Chlorophenyl-phenyle...	10.427	204	206463	41.536	ng	99
62) 4-Nitroaniline	10.469	138	77242	34.093	ng	97
63) Azobenzene	10.586	77	420327	45.116	ng	97
65) 4,6-Dinitro-2-methylph...	10.510	198	39165	34.617	ng	# 76
66) n-Nitrosodiphenylamine	10.545	169	369353	60.168	ng	98
67) 4-Bromophenyl-phenylether	10.916	248	117880	52.774	ng	98
68) Hexachlorobenzene	10.992	284	127508	50.349	ng	97
69) Atrazine	11.074	200	116529	67.968	ng	97
70) Pentachlorophenol	11.198	266	101293	109.399	ng	99
71) Phenanthrene	11.404	178	625974	60.967	ng	99
72) Anthracene	11.457	178	538180	53.225	ng	99
73) Carbazole	11.616	167	483574	48.826	ng	99
74) Di-n-butylphthalate	11.933	149	645211	55.509	ng	100
75) Fluoranthene	12.598	202	697322	58.972	ng	99
77) Benzidine	12.721	184	63311	24.974	ng	# 92
78) Pyrene	12.827	202	701570	63.516	ng	99
80) Butylbenzylphthalate	13.433	149	221492	54.497	ng	99
81) Benzo(a)anthracene	14.021	228	477105	54.196	ng	99
82) 3,3'-Dichlorobenzidine	13.980	252	77970	29.356	ng	99
83) Chrysene	14.057	228	430613	53.792	ng	100
84) Bis(2-ethylhexyl)phtha...	13.986	149	348334	66.469	ng	100
85) Di-n-octyl phthalate	14.604	149	443432	55.930	ng	98
87) Indeno(1,2,3-cd)pyrene	17.033	276	312622	48.710	ng	99
88) Benzo(b)fluoranthene	15.110	252	289164	40.505	ng	99
89) Benzo(k)fluoranthene	15.110	252	289213	47.227	ng	98
90) Benzo(a)pyrene	15.457	252	308362	55.162	ng	97
91) Dibenzo(a,h)anthracene	17.033	278	255561	48.065	ng	99
92) Benzo(g,h,i)perylene	17.486	276	255177	47.155	ng	99

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

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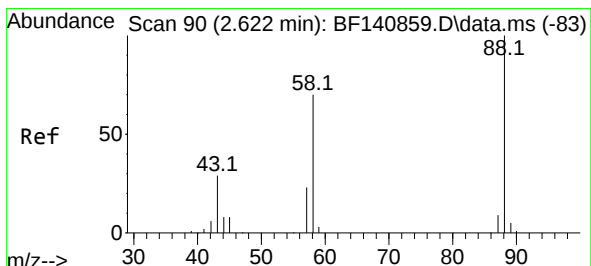
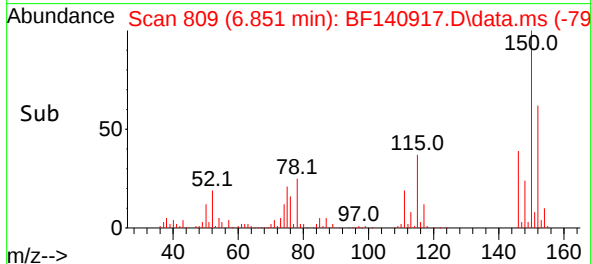
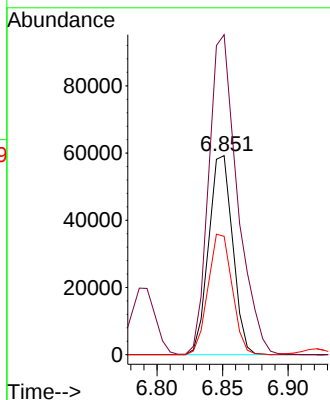
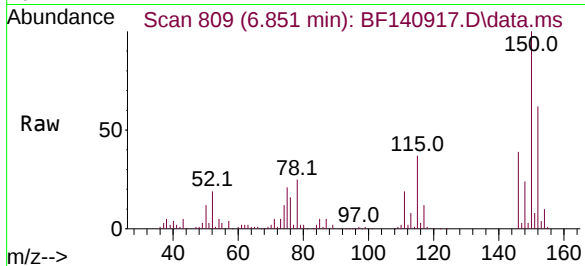




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.851 min Scan# 809
 Delta R.T. 0.000 min
 Lab File: BF140917.D
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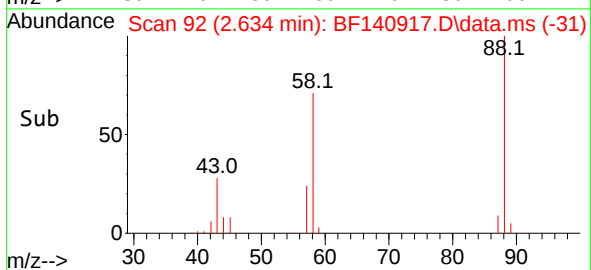
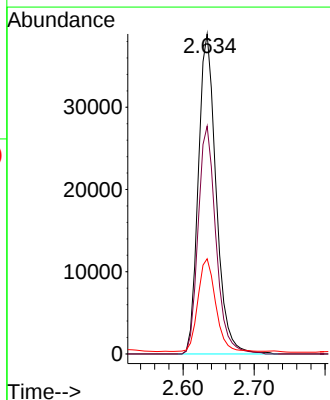
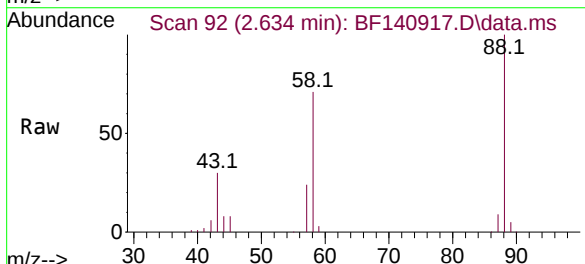
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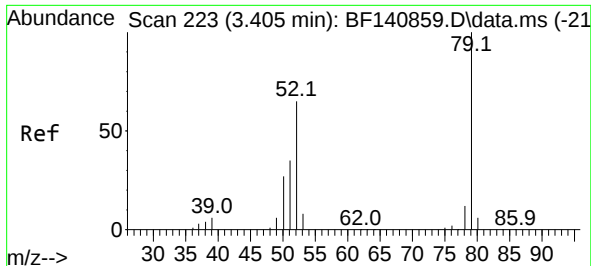
Tgt Ion:152 Resp: 75530
 Ion Ratio Lower Upper
 152 100
 150 160.7 127.9 191.9
 115 59.5 48.0 72.0



#2
 1,4-Dioxane
 Concen: 34.394 ng
 RT: 2.634 min Scan# 92
 Delta R.T. 0.012 min
 Lab File: BF140917.D
 Acq: 18 Dec 2024 20:15

Tgt Ion: 88 Resp: 67972
 Ion Ratio Lower Upper
 88 100
 58 71.2 55.8 83.8
 43 28.6 22.7 34.1

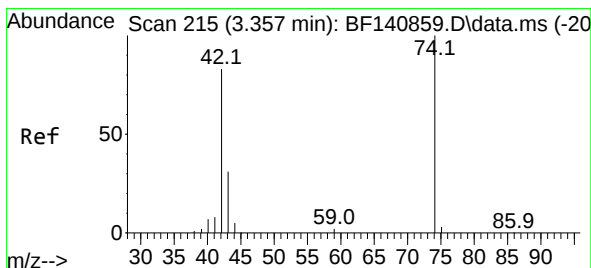
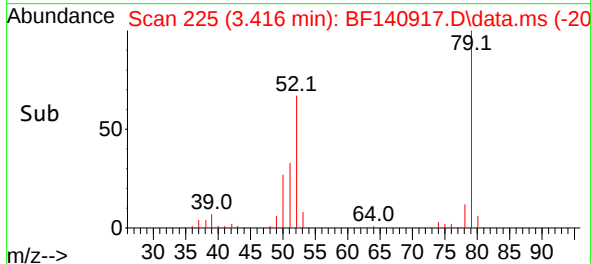
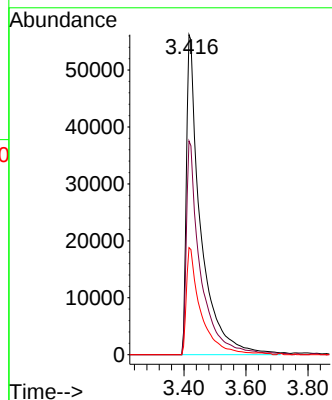
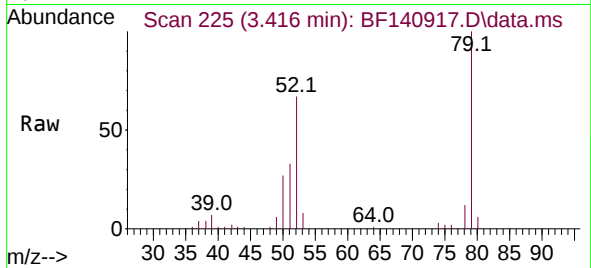




#3
Pyridine
Concen: 39.108 ng
RT: 3.416 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF140917.D
Acq: 18 Dec 2024 20:15

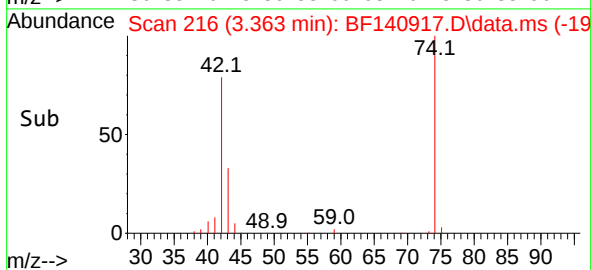
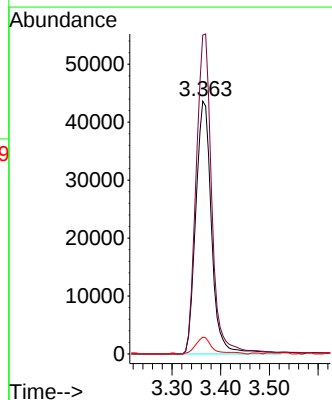
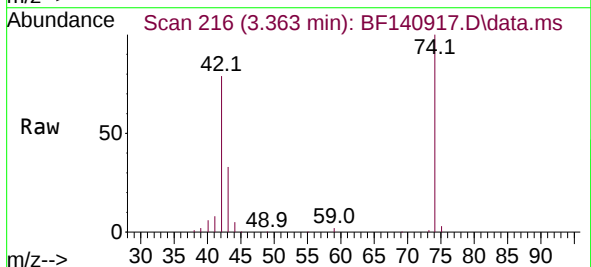
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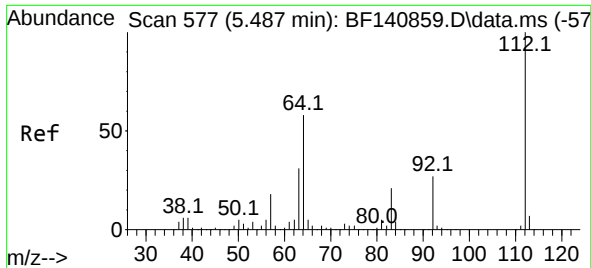
Tgt Ion: 79 Resp: 178992
Ion Ratio Lower Upper
79 100
52 66.8 51.7 77.5
51 33.5 28.2 42.4



#4
n-Nitrosodimethylamine
Concen: 42.687 ng
RT: 3.363 min Scan# 216
Delta R.T. 0.006 min
Lab File: BF140917.D
Acq: 18 Dec 2024 20:15

Tgt Ion: 42 Resp: 98491
Ion Ratio Lower Upper
42 100
74 126.1 96.9 145.3
44 6.7 4.4 6.6#

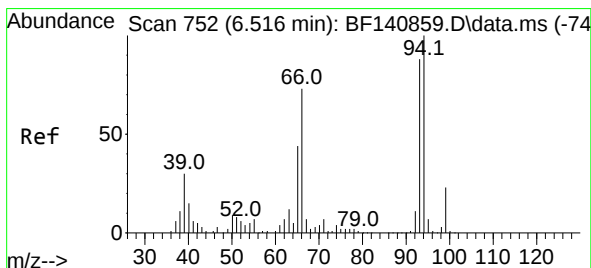
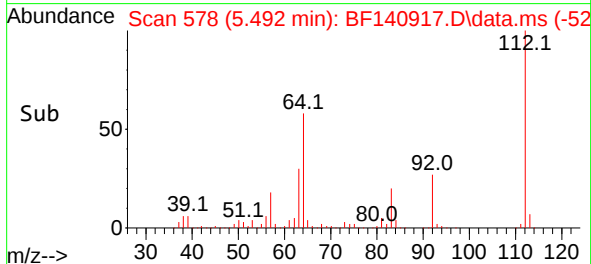
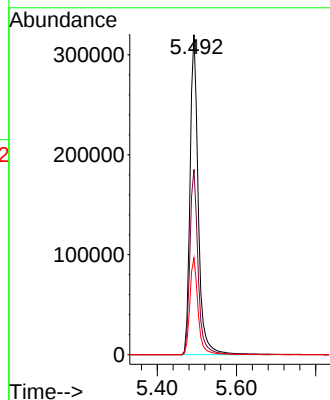
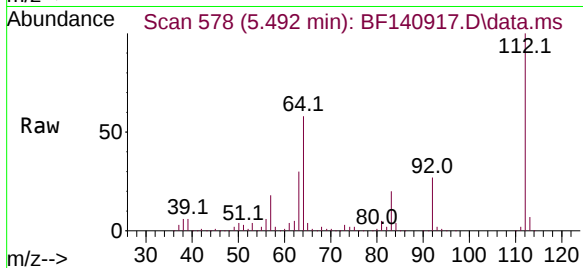




#5
2-Fluorophenol
Concen: 101.003 ng
RT: 5.492 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF140917.D
Acq: 18 Dec 2024 20:15

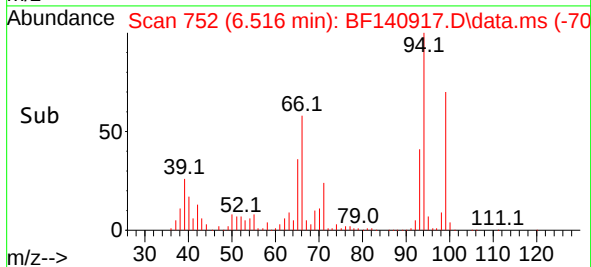
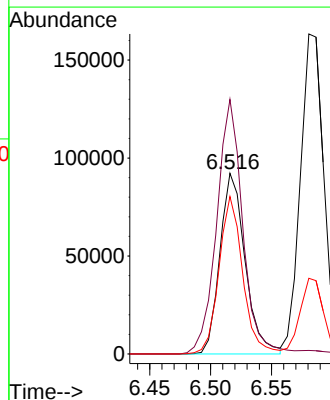
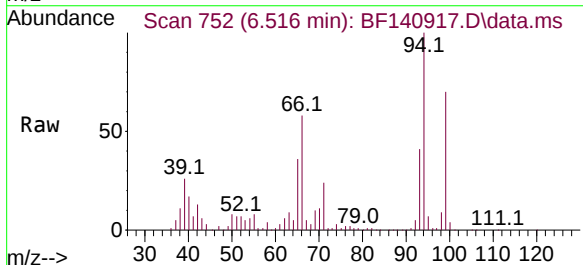
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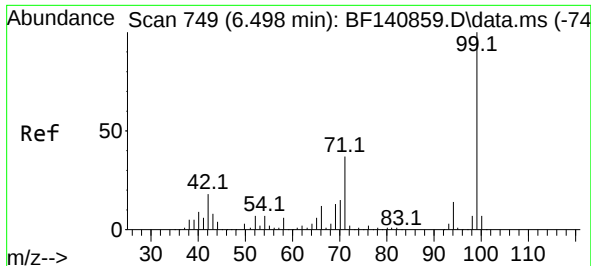
Tgt Ion:112 Resp: 463420
Ion Ratio Lower Upper
112 100
64 57.9 46.1 69.1
63 30.3 24.9 37.3



#6
Aniline
Concen: 25.610 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.000 min
Lab File: BF140917.D
Acq: 18 Dec 2024 20:15

Tgt Ion: 93 Resp: 133069
Ion Ratio Lower Upper
93 100
66 141.0 67.0 100.4#
65 87.2 40.4 60.6#





#7

Phenol-d6

Concen: 100.167 ng

RT: 6.504 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF140917.D

Acq: 18 Dec 2024 20:15

Instrument :

BNA_F

ClientSampleId :

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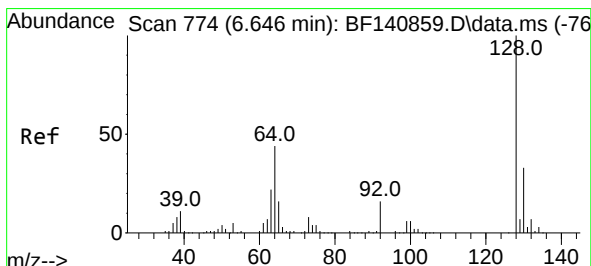
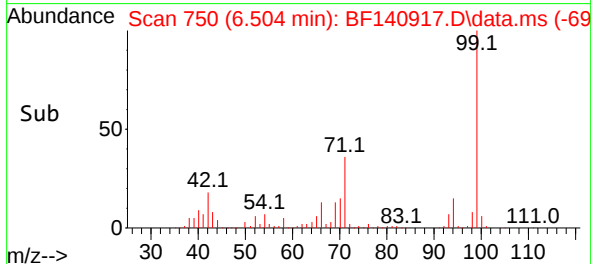
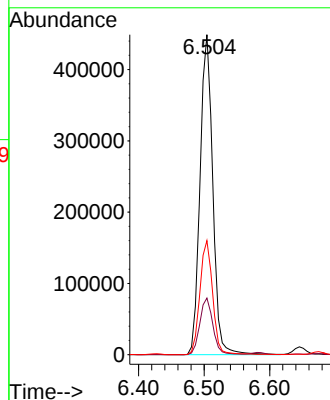
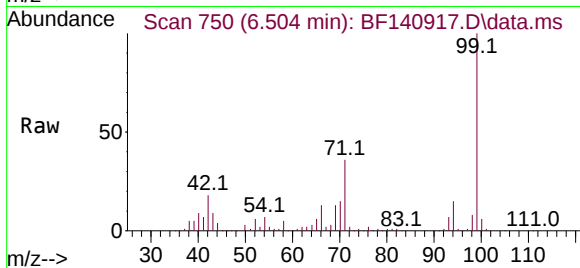
Tgt Ion: 99 Resp: 608727

Ion Ratio Lower Upper

99 100

42 17.7 14.3 21.5

71 35.7 29.9 44.9



#8

2-Chlorophenol

Concen: 47.629 ng

RT: 6.645 min Scan# 774

Delta R.T. -0.000 min

Lab File: BF140917.D

Acq: 18 Dec 2024 20:15

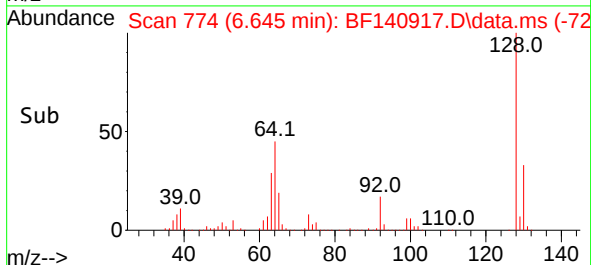
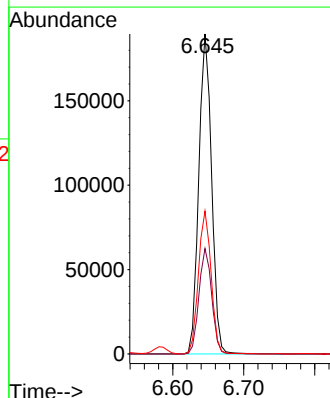
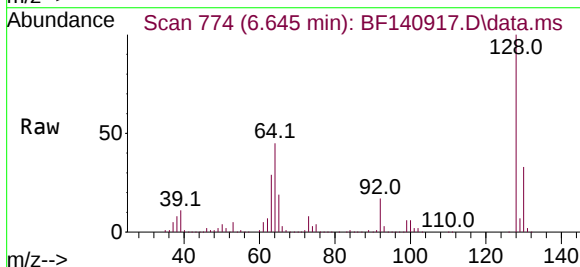
Tgt Ion:128 Resp: 238309

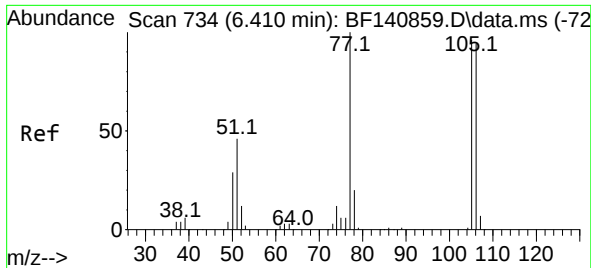
Ion Ratio Lower Upper

128 100

130 32.9 12.9 52.9

64 44.7 24.3 64.3





#9

Benzaldehyde

Concen: 15.316 ng

RT: 6.404 min Scan# 71

Delta R.T. -0.006 min

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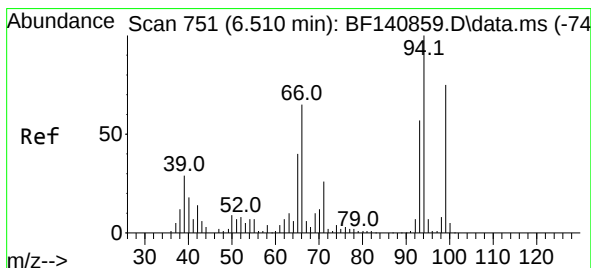
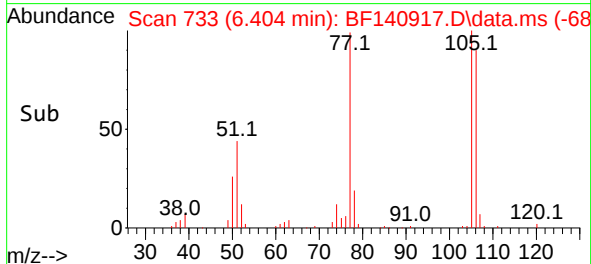
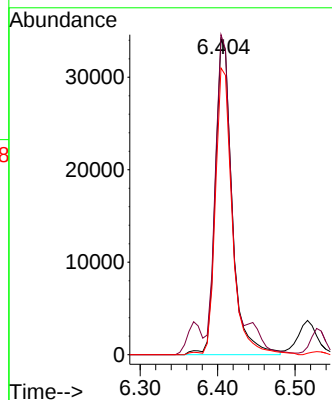
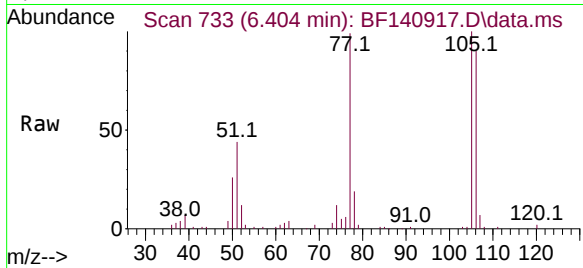
Tgt Ion: 77 Resp: 51574

Ion Ratio Lower Upper

77 100

105 101.3 75.8 115.8

106 90.7 74.1 114.1



#10

Phenol

Concen: 46.580 ng

RT: 6.516 min Scan# 752

Delta R.T. 0.006 min

Lab File: BF140917.D

Acq: 18 Dec 2024 20:15

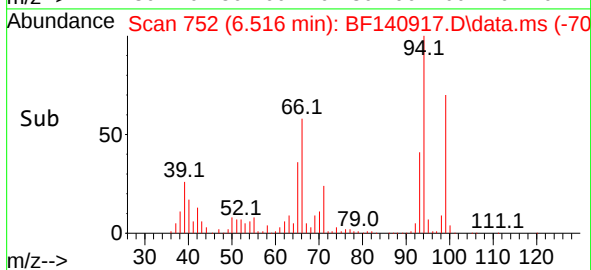
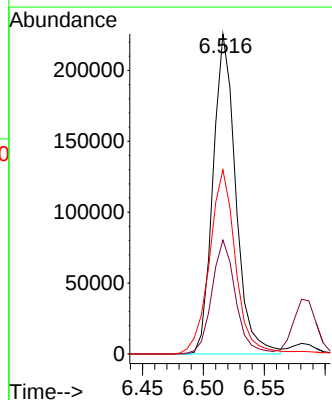
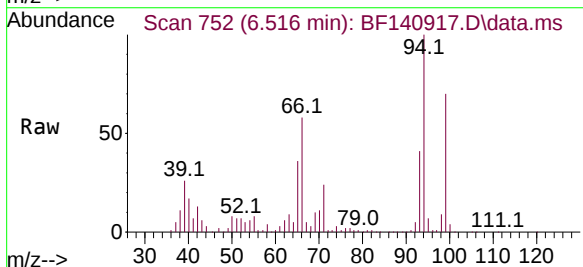
Tgt Ion: 94 Resp: 293384

Ion Ratio Lower Upper

94 100

65 35.6 19.9 59.9

66 57.6 45.6 85.6

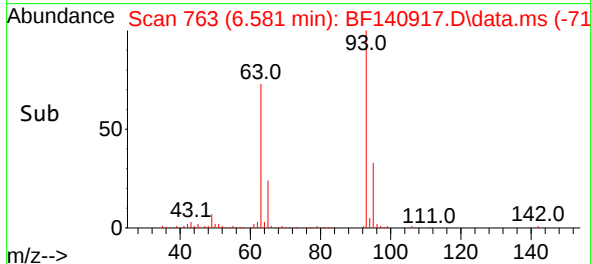
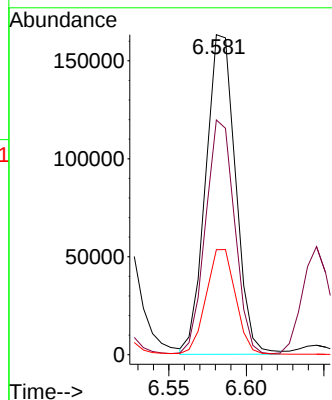
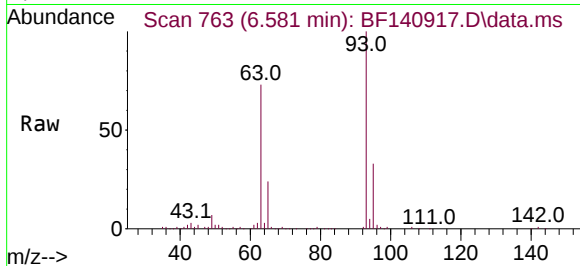




#11
bis(2-Chloroethyl)ether
Concen: 46.635 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF140917.D
Acq: 18 Dec 2024 20:15

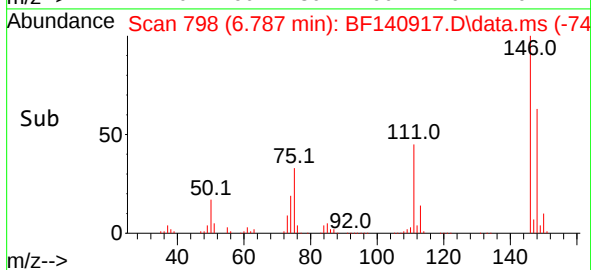
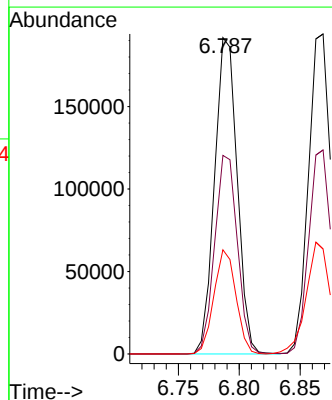
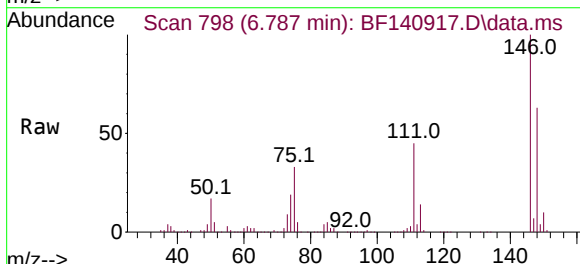
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MS

Tgt Ion:	93	Resp:	219050
Ion	Ratio	Lower	Upper
93	100		
63	73.3	51.0	91.0
95	32.8	12.0	52.0



#12
1,3-Dichlorobenzene
Concen: 43.509 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.000 min
Lab File: BF140917.D
Acq: 18 Dec 2024 20:15

Tgt Ion:	146	Resp:	248058
Ion	Ratio	Lower	Upper
146	100		
148	62.8	51.0	76.6
75	32.9	28.1	42.1





#13

1,4-Dichlorobenzene

Concen: 43.494 ng

RT: 6.869 min Scan# 812

Delta R.T. -0.000 min

Lab File: BF140917.D

Acq: 18 Dec 2024 20:15

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MS

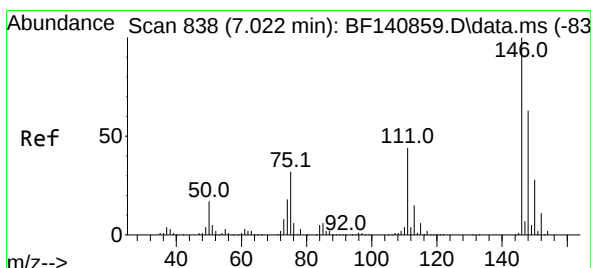
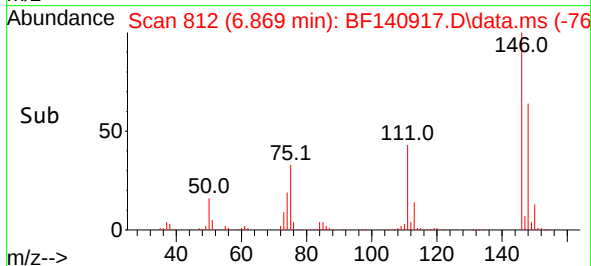
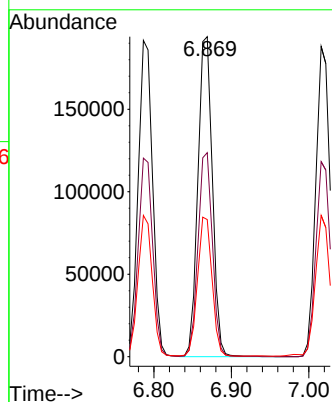
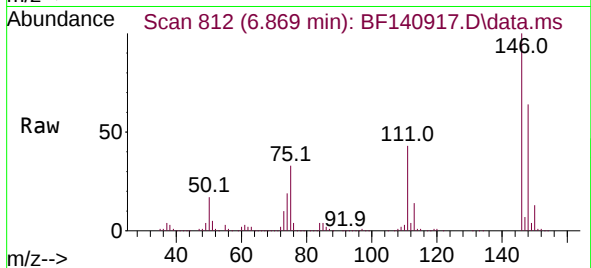
Tgt Ion:146 Resp: 251707

Ion Ratio Lower Upper

146 100

148 63.8 51.3 76.9

111 42.9 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 44.059 ng

RT: 7.016 min Scan# 837

Delta R.T. -0.006 min

Lab File: BF140917.D

Acq: 18 Dec 2024 20:15

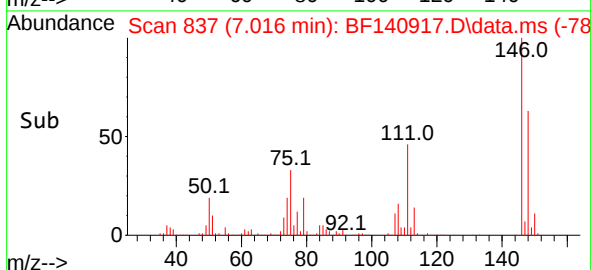
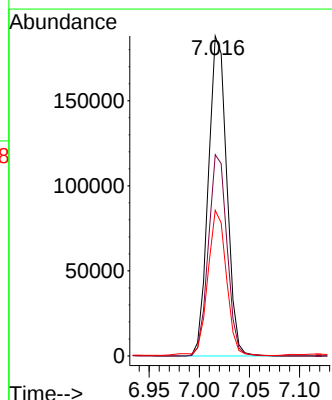
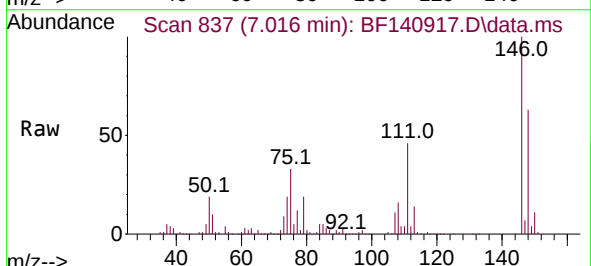
Tgt Ion:146 Resp: 240576

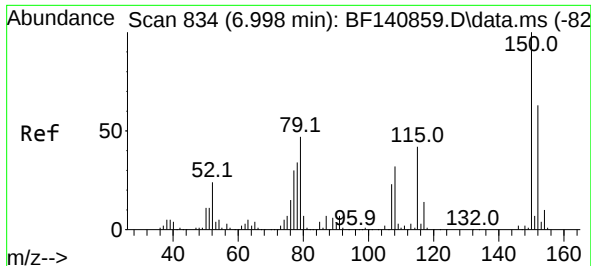
Ion Ratio Lower Upper

146 100

148 62.9 50.0 75.0

111 45.5 35.6 53.4

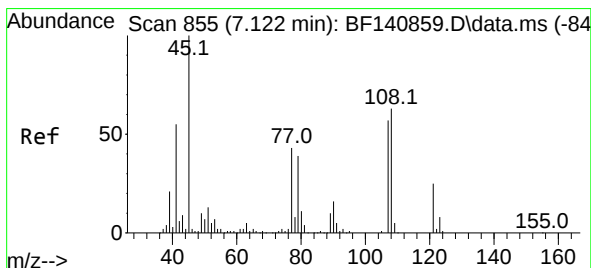
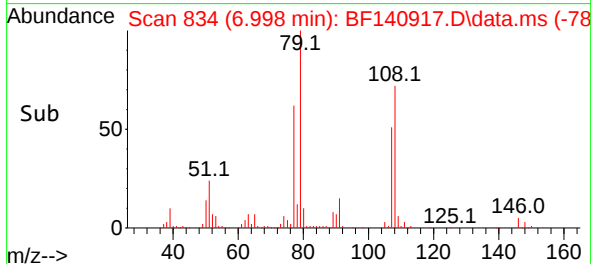
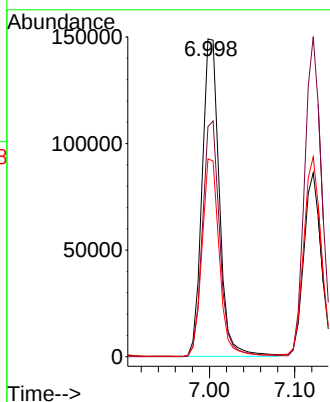
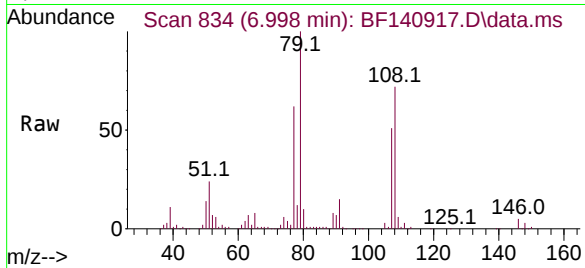




#15
Benzyl Alcohol
Concen: 48.291 ng
RT: 6.998 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF140917.D
Acq: 18 Dec 2024 20:15

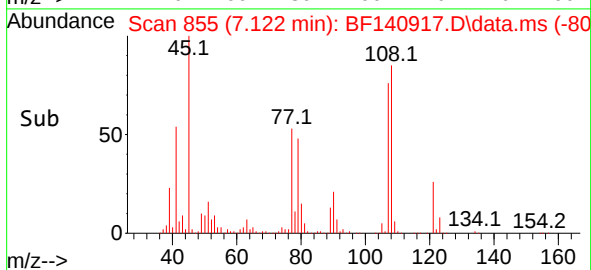
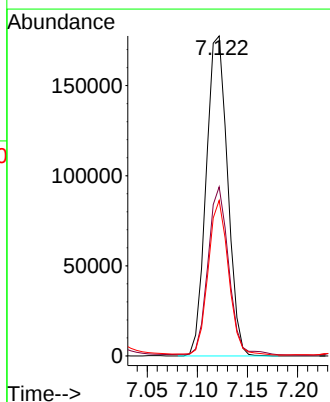
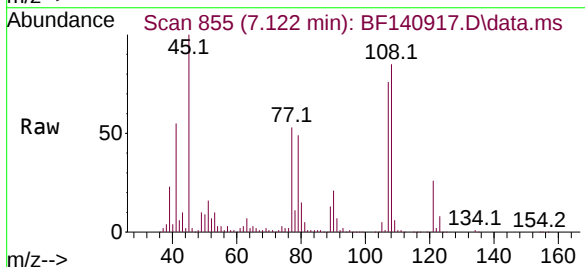
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MS

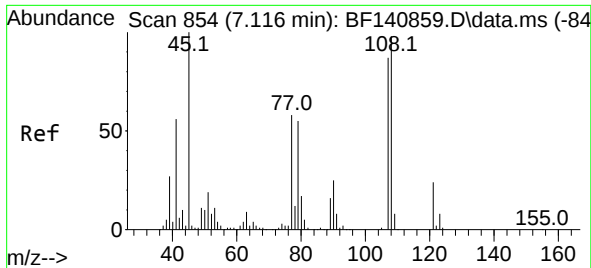
Tgt Ion: 79 Resp: 209833
Ion Ratio Lower Upper
79 100
108 72.4 55.1 82.7
77 62.2 50.6 76.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.652 ng
RT: 7.122 min Scan# 855
Delta R.T. -0.000 min
Lab File: BF140917.D
Acq: 18 Dec 2024 20:15

Tgt Ion: 45 Resp: 263675
Ion Ratio Lower Upper
45 100
77 52.8 23.3 63.3
79 48.6 20.0 60.0

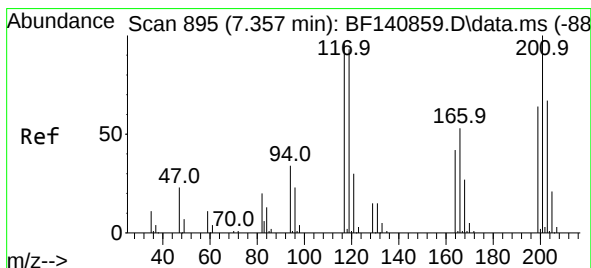
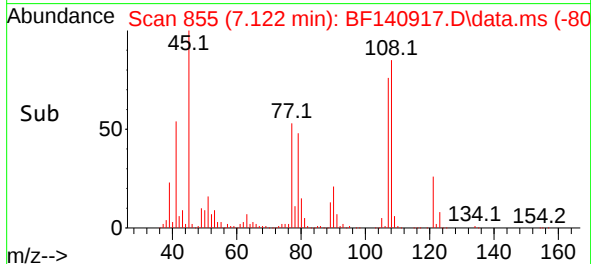
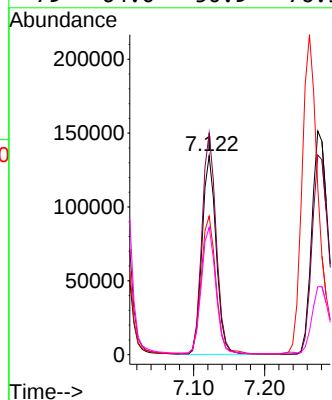
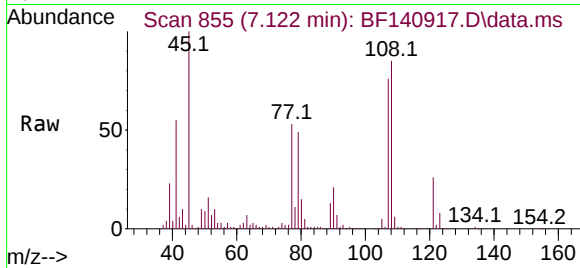




#17
2-Methylphenol
Concen: 46.740 ng
RT: 7.122 min Scan# 855
Delta R.T. 0.006 min
Lab File: BF140917.D
Acq: 18 Dec 2024 20:15

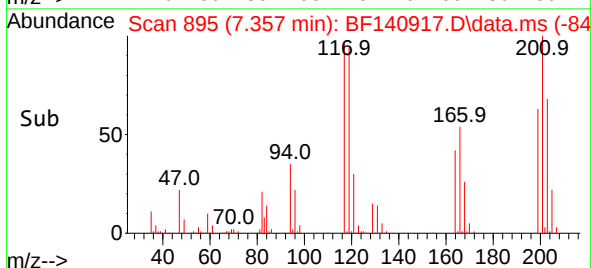
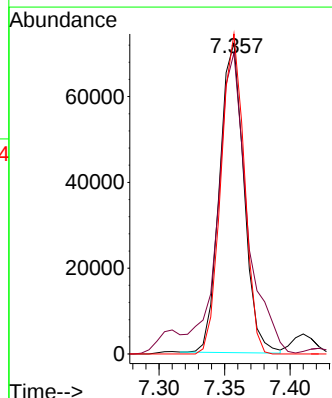
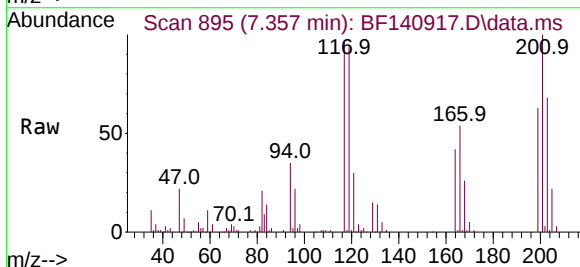
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MS

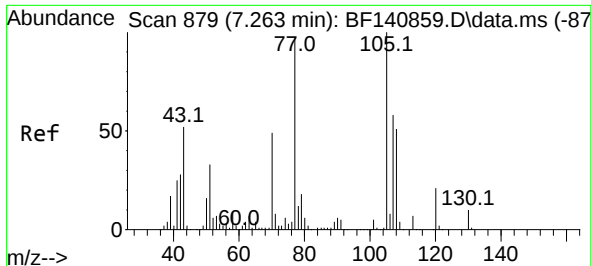
Tgt Ion:	107	Resp:	186708
Ion	Ratio	Lower	Upper
107	100		
108	111.4	90.2	135.4
77	69.6	53.8	80.6
79	64.0	50.9	76.3



#18
Hexachloroethane
Concen: 43.293 ng
RT: 7.357 min Scan# 895
Delta R.T. -0.000 min
Lab File: BF140917.D
Acq: 18 Dec 2024 20:15

Tgt Ion:	117	Resp:	93273
Ion	Ratio	Lower	Upper
117	100		
119	96.8	77.4	116.0
201	102.9	83.4	125.0

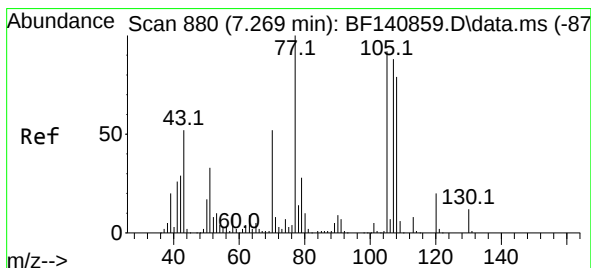
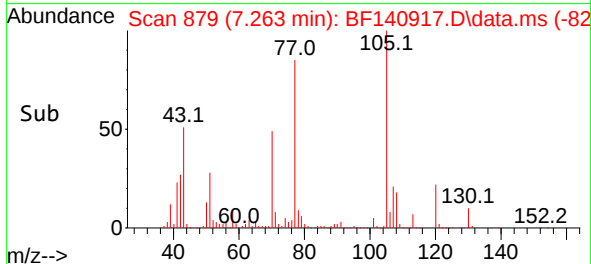
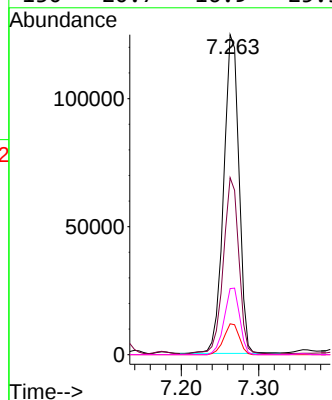
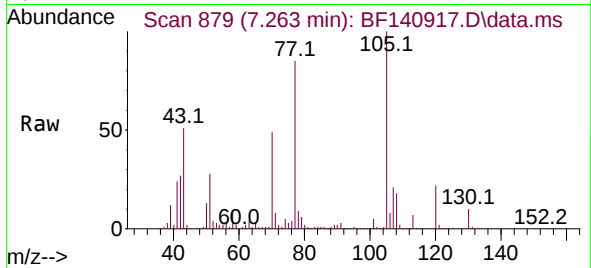




#19
n-Nitroso-di-n-propylamine
Concen: 47.022 ng
RT: 7.263 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF140917.D
Acq: 18 Dec 2024 20:15

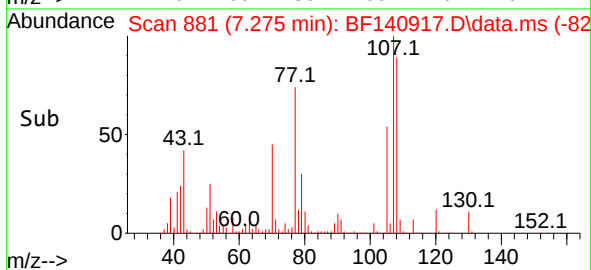
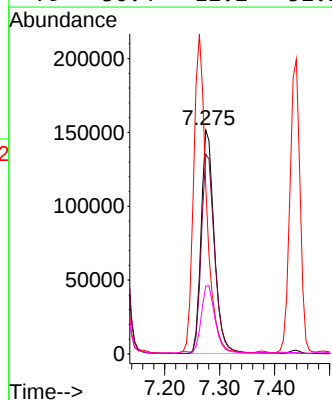
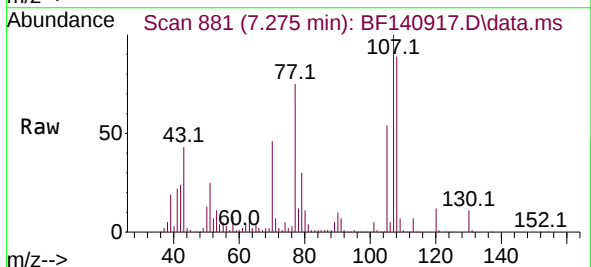
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MS

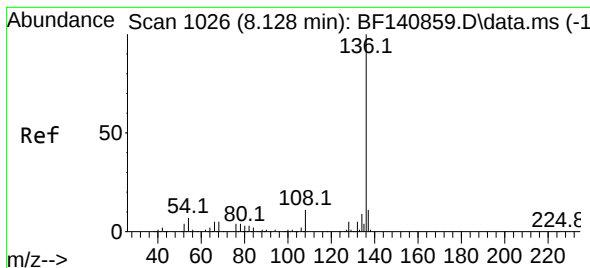
Tgt Ion: 70 Resp: 171412
Ion Ratio Lower Upper
70 100
42 55.3 45.3 67.9
101 9.7 8.0 12.0
130 20.7 16.9 25.3



#20
3+4-Methylphenols
Concen: 47.518 ng
RT: 7.275 min Scan# 881
Delta R.T. 0.006 min
Lab File: BF140917.D
Acq: 18 Dec 2024 20:15

Tgt Ion:107 Resp: 251701
Ion Ratio Lower Upper
107 100
108 89.2 70.1 110.1
77 74.5 94.4 134.4#
79 30.4 12.2 52.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.133 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF140917.D

Acq: 18 Dec 2024 20:15

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MS

Tgt Ion:136 Resp: 249367

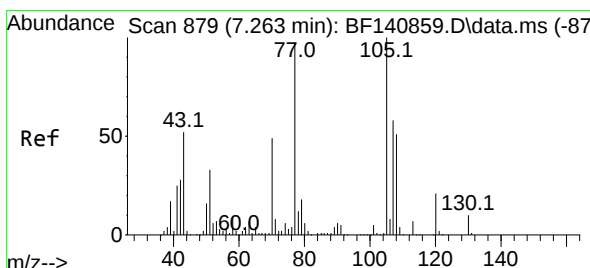
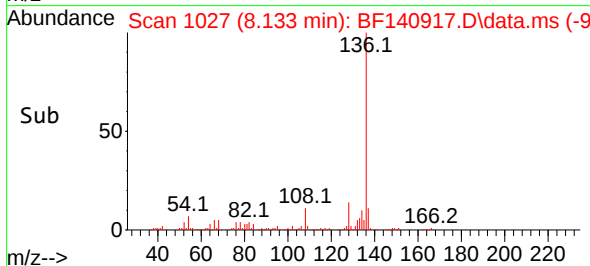
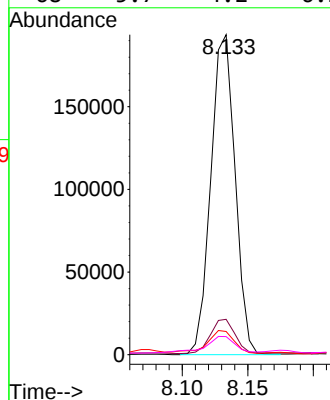
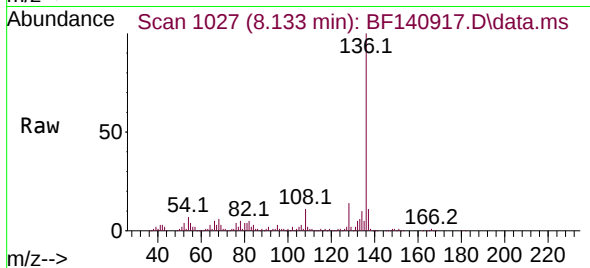
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 7.3 5.6 8.4

68 5.7 4.2 6.2



#22

Acetophenone

Concen: 54.999 ng

RT: 7.263 min Scan# 879

Delta R.T. -0.000 min

Lab File: BF140917.D

Acq: 18 Dec 2024 20:15

Tgt Ion:105 Resp: 343084

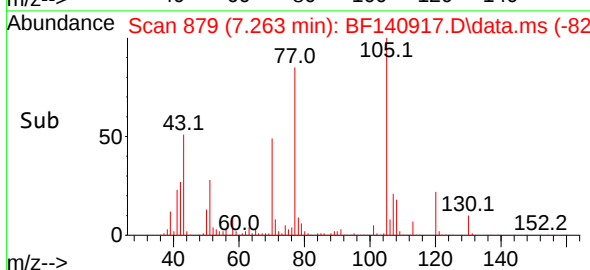
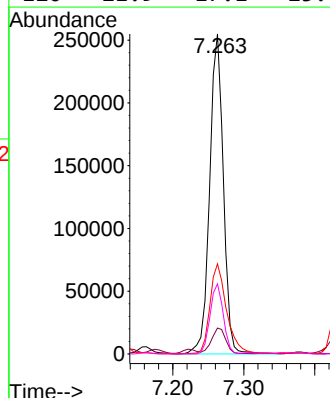
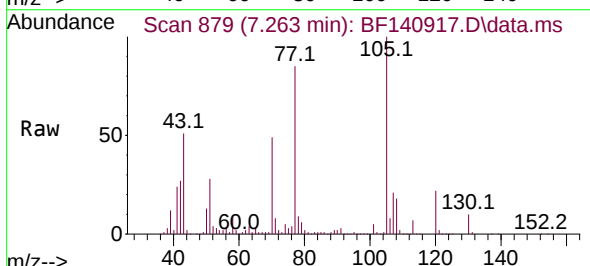
Ion Ratio Lower Upper

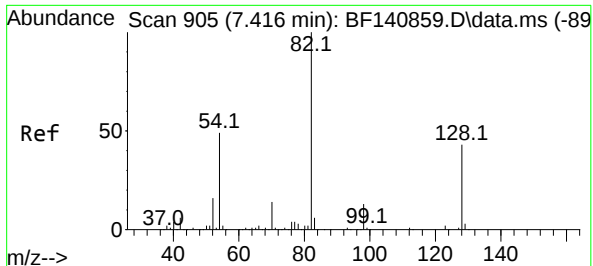
105 100

71 8.1 6.2 9.4

51 28.2 26.3 39.5

120 21.9 17.1 25.7





#23

Nitrobenzene-d5

Concen: 80.925 ng

RT: 7.416 min Scan# 905

Delta R.T. -0.000 min

Lab File: BF140917.D

Acq: 18 Dec 2024 20:15

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MS

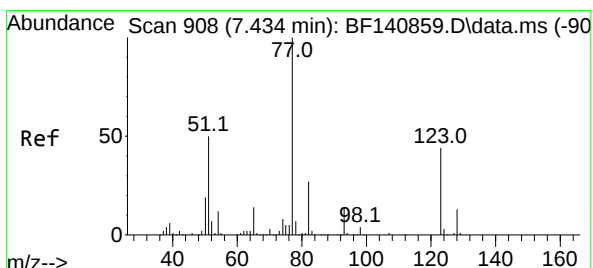
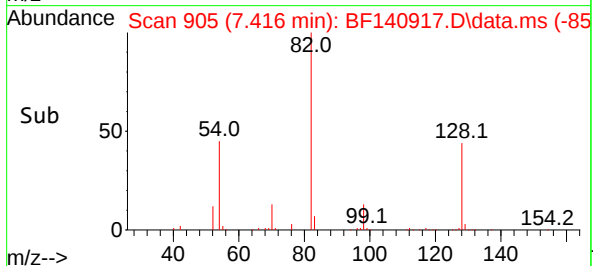
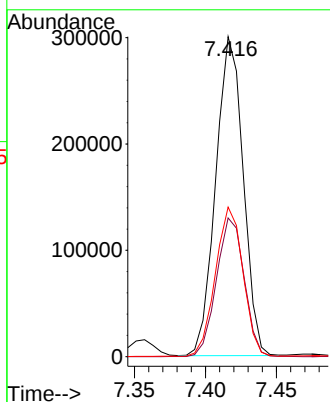
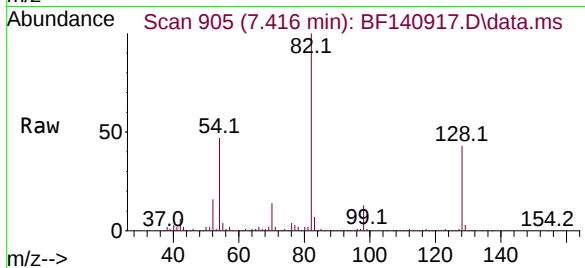
Tgt Ion: 82 Resp: 403348

Ion Ratio Lower Upper

82 100

128 43.4 34.4 51.6

54 46.8 38.8 58.2



#24

Nitrobenzene

Concen: 49.719 ng

RT: 7.439 min Scan# 909

Delta R.T. 0.006 min

Lab File: BF140917.D

Acq: 18 Dec 2024 20:15

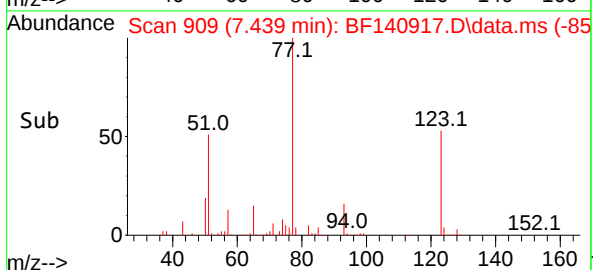
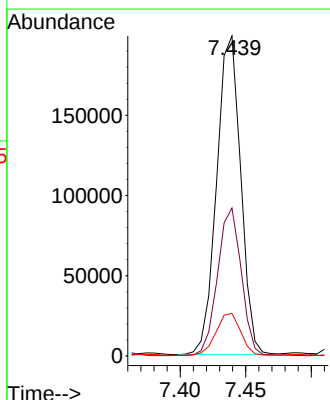
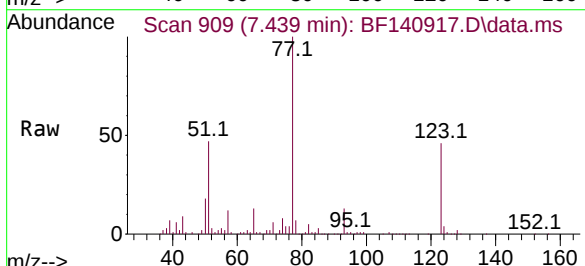
Tgt Ion: 77 Resp: 253875

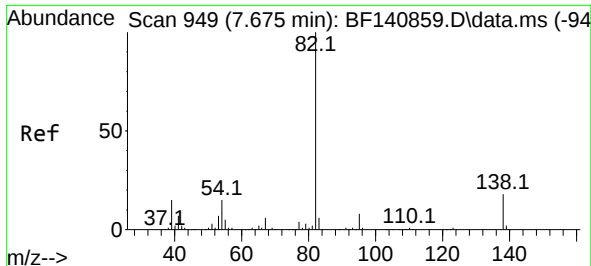
Ion Ratio Lower Upper

77 100

123 46.3 35.0 52.4

65 13.3 11.4 17.0

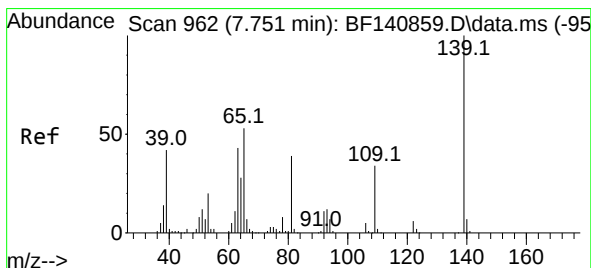
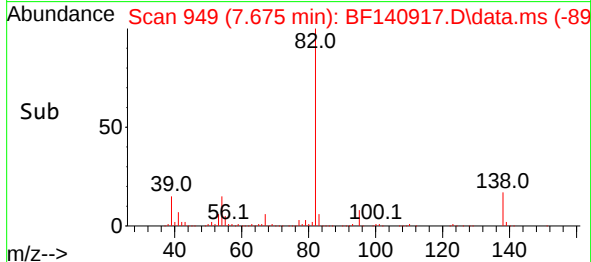
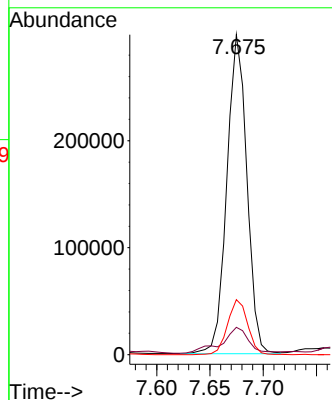
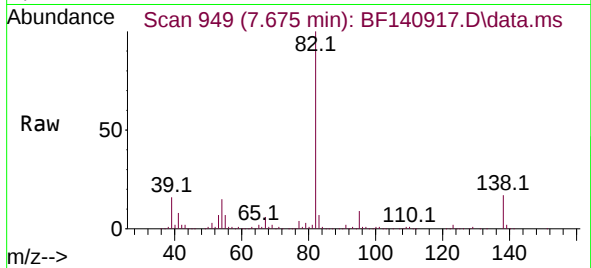




#25
Isophorone
Concen: 46.605 ng
RT: 7.675 min Scan# 949
Delta R.T. -0.000 min
Lab File: BF140917.D
Acq: 18 Dec 2024 20:15

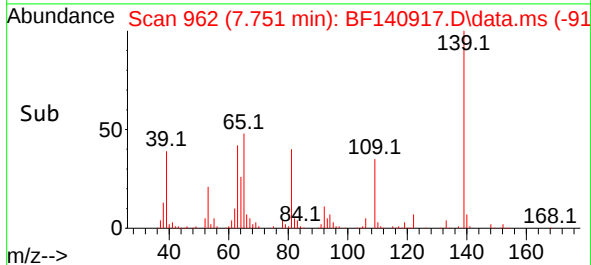
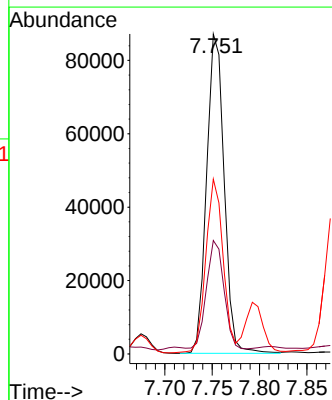
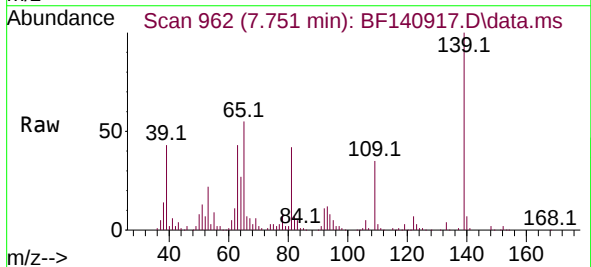
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MS

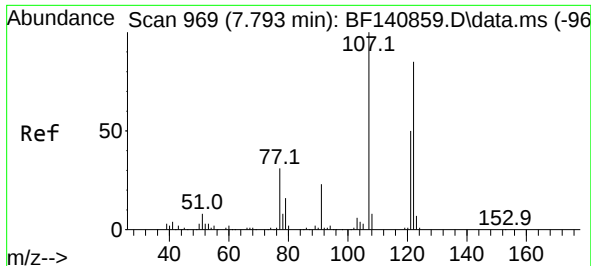
Tgt Ion: 82 Resp: 389211
Ion Ratio Lower Upper
82 100
95 8.6 6.3 9.5
138 17.2 14.1 21.1



#26
2-Nitrophenol
Concen: 47.592 ng
RT: 7.751 min Scan# 962
Delta R.T. -0.000 min
Lab File: BF140917.D
Acq: 18 Dec 2024 20:15

Tgt Ion: 139 Resp: 111925
Ion Ratio Lower Upper
139 100
109 35.4 26.9 40.3
65 54.7 42.6 64.0

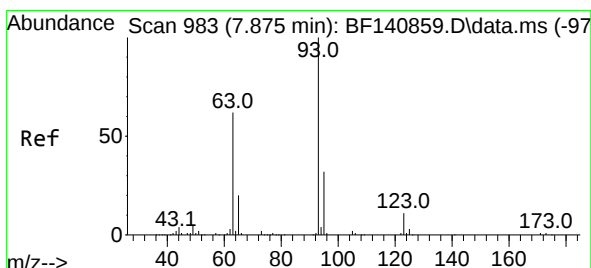
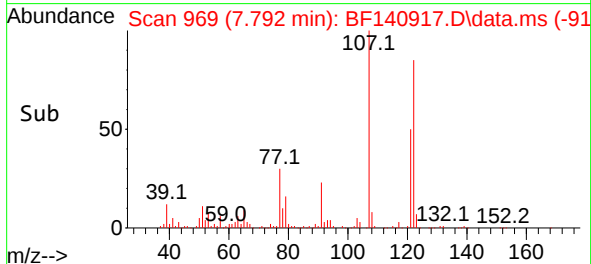
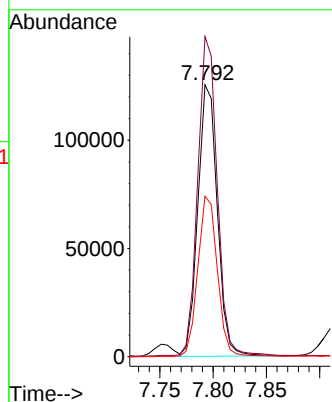
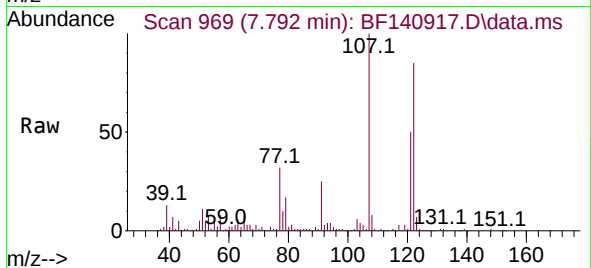




#27
2,4-Dimethylphenol
Concen: 58.067 ng
RT: 7.792 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF140917.D
Acq: 18 Dec 2024 20:15

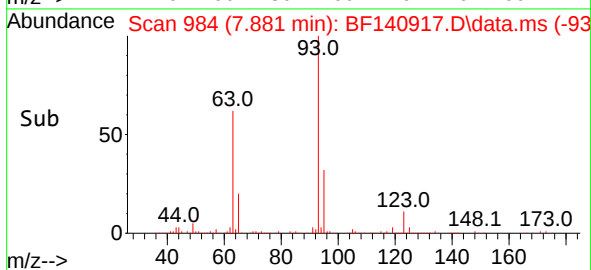
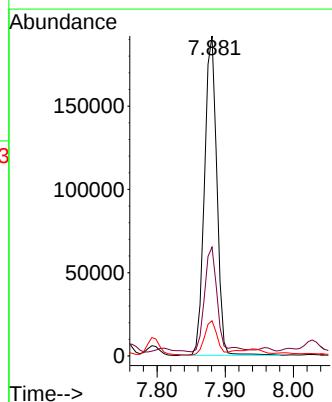
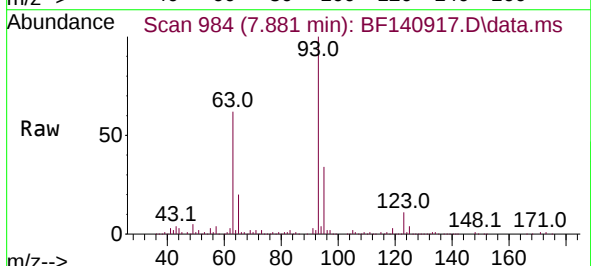
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MS

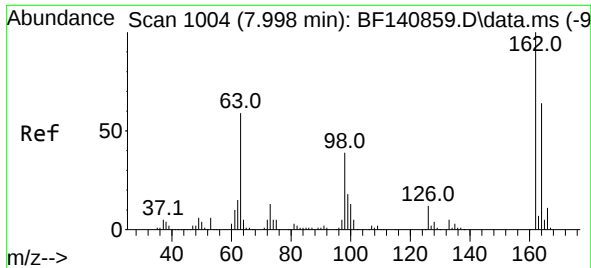
Tgt Ion:122 Resp: 159479
Ion Ratio Lower Upper
122 100
107 117.7 92.6 139.0
121 59.1 45.8 68.8



#28
bis(2-Chloroethoxy)methane
Concen: 46.357 ng
RT: 7.881 min Scan# 984
Delta R.T. 0.006 min
Lab File: BF140917.D
Acq: 18 Dec 2024 20:15

Tgt Ion: 93 Resp: 241798
Ion Ratio Lower Upper
93 100
95 34.0 25.3 37.9
123 11.0 8.6 13.0





#29

2,4-Dichlorophenol

Concen: 46.743 ng

RT: 8.010 min Scan# 1006

Delta R.T. 0.012 min

Lab File: BF140917.D

Acq: 18 Dec 2024 20:15

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MS

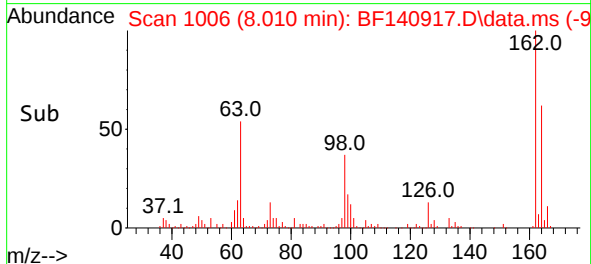
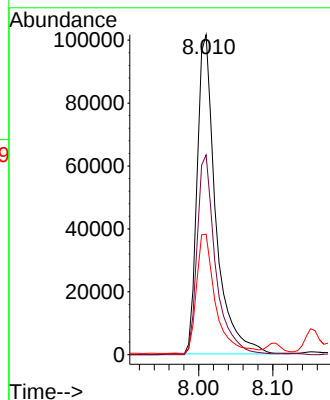
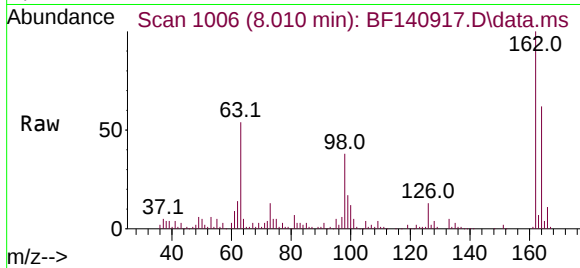
Tgt Ion:162 Resp: 177240

Ion Ratio Lower Upper

162 100

164 62.4 43.7 83.7

98 37.7 18.6 58.6



#30

1,2,4-Trichlorobenzene

Concen: 42.126 ng

RT: 8.075 min Scan# 1017

Delta R.T. 0.006 min

Lab File: BF140917.D

Acq: 18 Dec 2024 20:15

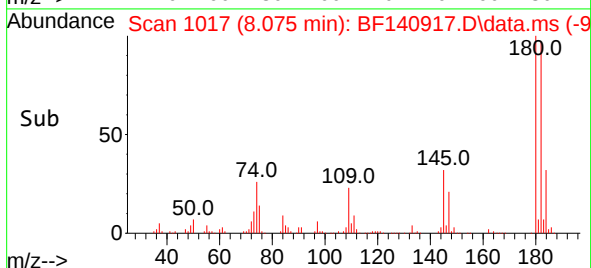
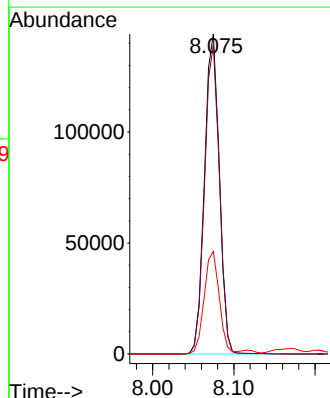
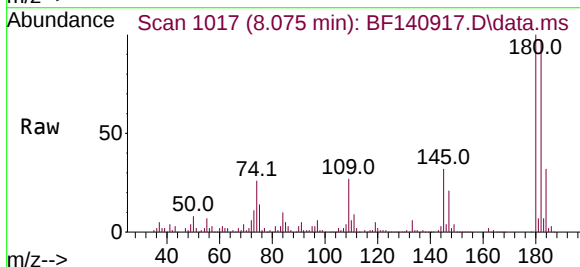
Tgt Ion:180 Resp: 183109

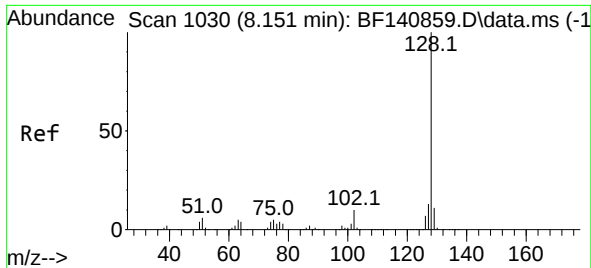
Ion Ratio Lower Upper

180 100

182 96.7 75.8 113.6

145 32.0 25.2 37.8

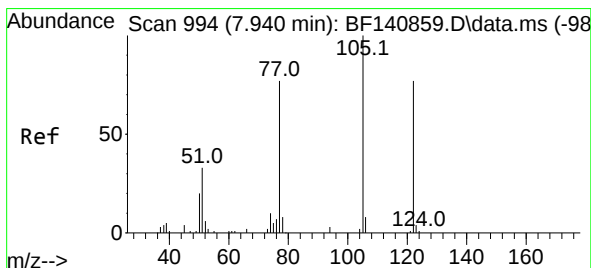
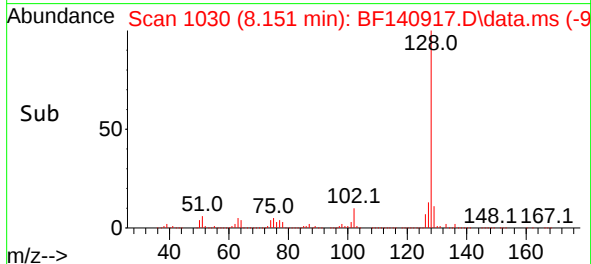
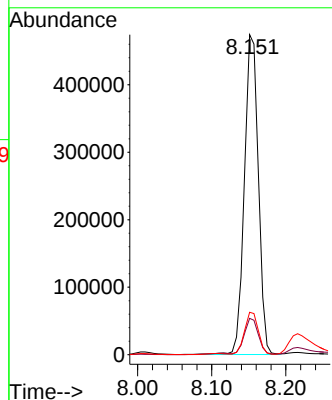
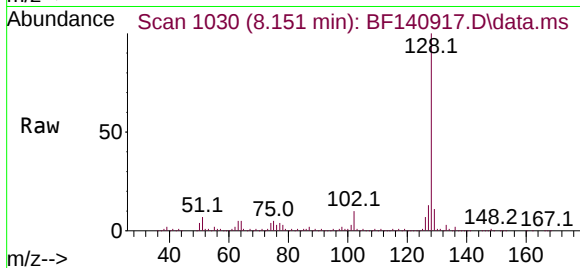




#31
Naphthalene
Concen: 45.223 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF140917.D
Acq: 18 Dec 2024 20:15

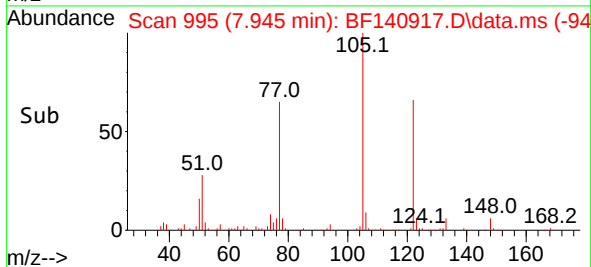
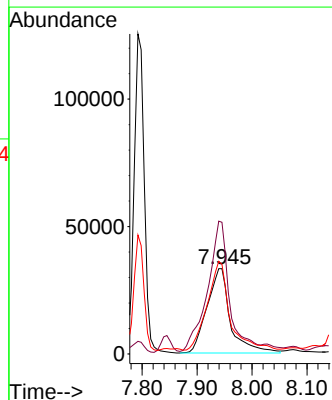
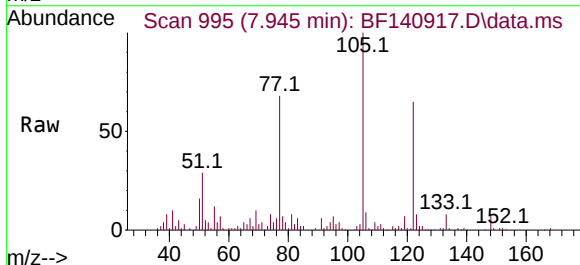
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MS

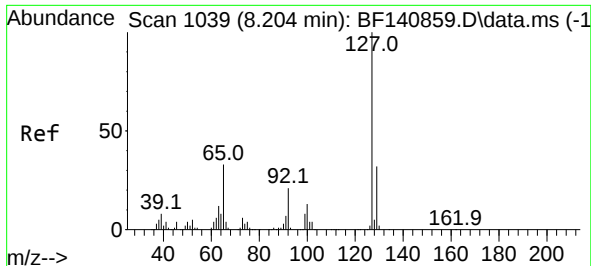
Tgt Ion:128 Resp: 619469
Ion Ratio Lower Upper
128 100
129 11.4 8.9 13.3
127 13.2 10.6 16.0



#32
Benzoic acid
Concen: 37.431 ng
RT: 7.945 min Scan# 995
Delta R.T. 0.005 min
Lab File: BF140917.D
Acq: 18 Dec 2024 20:15

Tgt Ion:122 Resp: 97499
Ion Ratio Lower Upper
122 100
105 154.4 108.3 148.3#
77 105.1 78.8 118.8

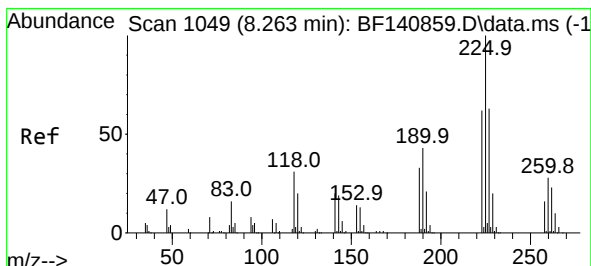
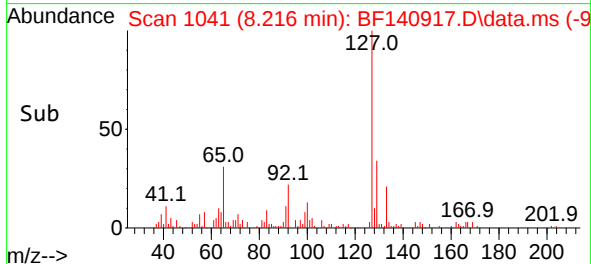
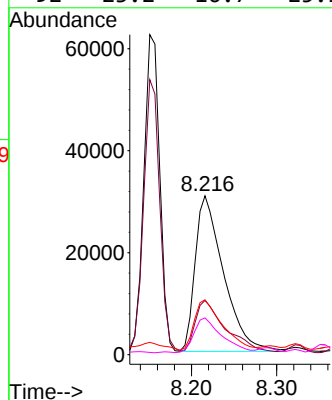
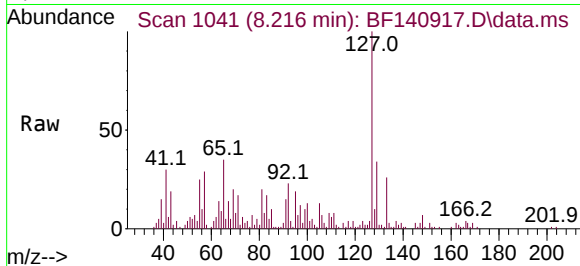




#33
4-Chloroaniline
Concen: 15.496 ng
RT: 8.216 min Scan# 1041
Delta R.T. 0.012 min
Lab File: BF140917.D
Acq: 18 Dec 2024 20:15

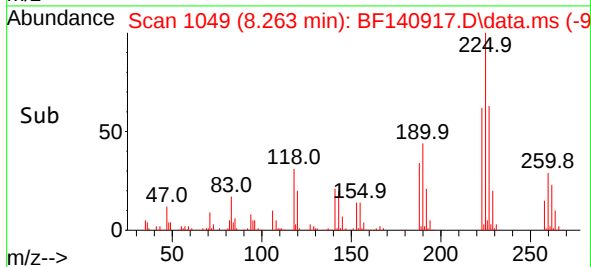
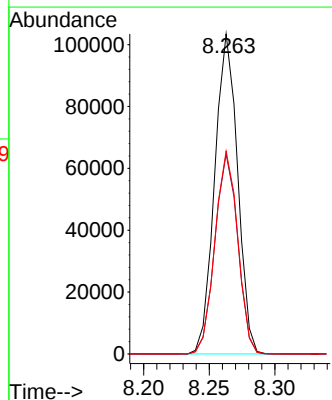
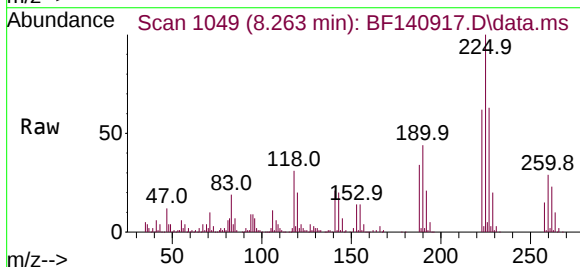
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MS

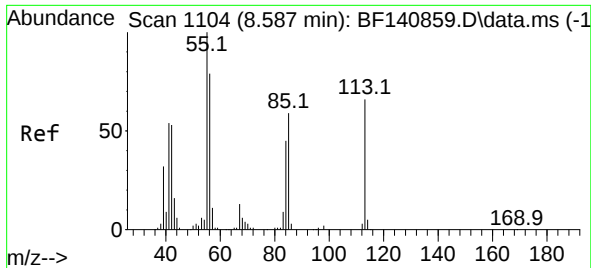
Tgt Ion:	127	Resp:	70497
Ion	Ratio	Lower	Upper
127	100		
129	34.1	26.0	39.0
65	34.5	26.0	39.0
92	23.2	16.7	25.1



#34
Hexachlorobutadiene
Concen: 42.863 ng
RT: 8.263 min Scan# 1049
Delta R.T. -0.000 min
Lab File: BF140917.D
Acq: 18 Dec 2024 20:15

Tgt Ion:	225	Resp:	125353
Ion	Ratio	Lower	Upper
225	100		
223	62.5	49.6	74.4
227	63.4	50.7	76.1





#35

Caprolactam

Concen: 46.892 ng

RT: 8.586 min Scan# 1104

Delta R.T. -0.000 min

Lab File: BF140917.D

Acq: 18 Dec 2024 20:15

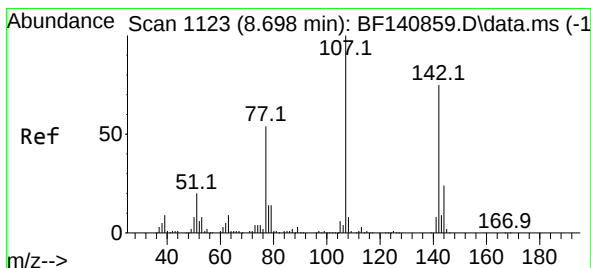
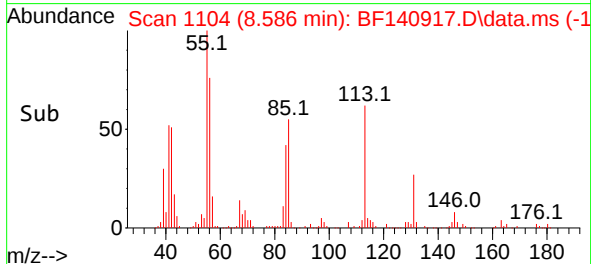
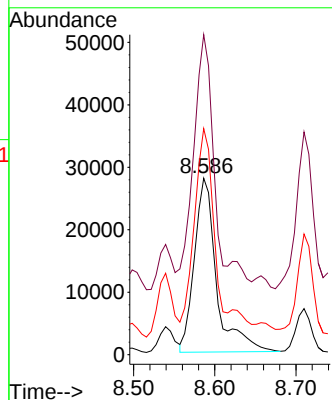
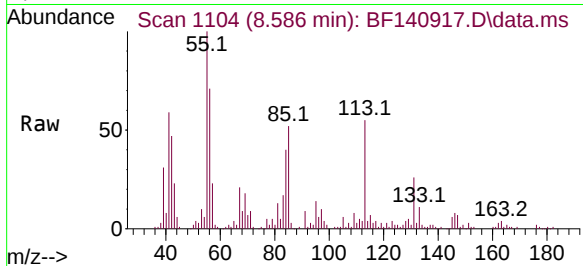
Instrument :

BNA_F

ClientSampleId :

HR-04-121624MS

Tgt Ion:113	Resp: 52934
Ion Ratio	Lower Upper
113	100
55	181.3 132.3 172.3#
56	128.1 100.3 140.3



#36

4-Chloro-3-methylphenol

Concen: 43.729 ng

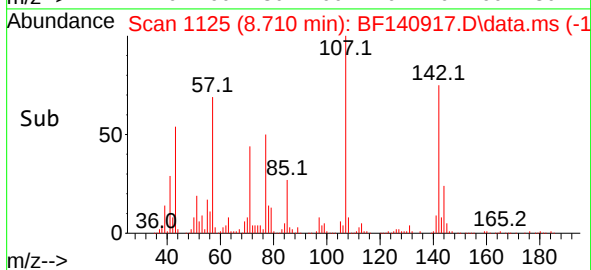
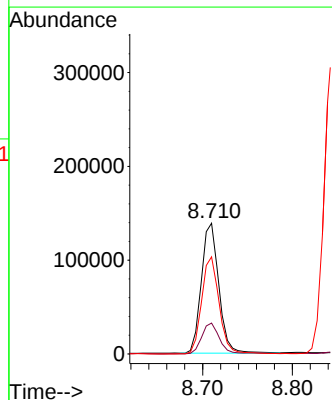
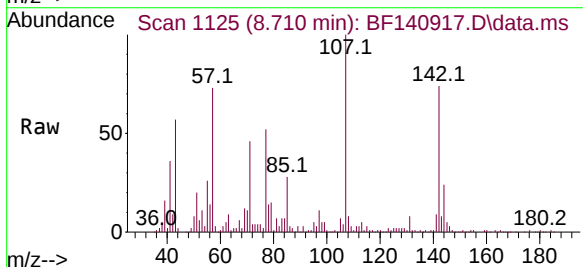
RT: 8.710 min Scan# 1125

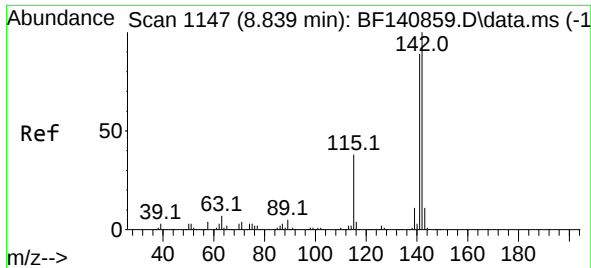
Delta R.T. 0.012 min

Lab File: BF140917.D

Acq: 18 Dec 2024 20:15

Tgt Ion:107	Resp: 186624
Ion Ratio	Lower Upper
107	100
144	23.7 19.4 29.2
142	74.3 60.3 90.5





#37

2-Methylnaphthalene

Concen: 46.298 ng

RT: 8.845 min Scan# 1147

Delta R.T. 0.006 min

Lab File: BF140917.D

Acq: 18 Dec 2024 20:15

Instrument :

BNA_F

ClientSampleId :

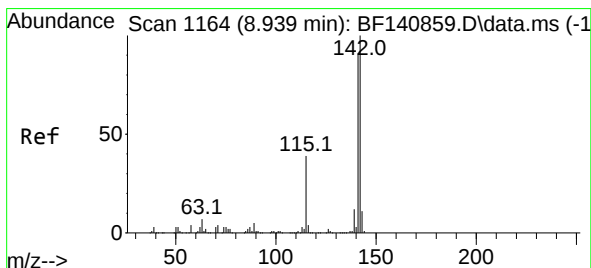
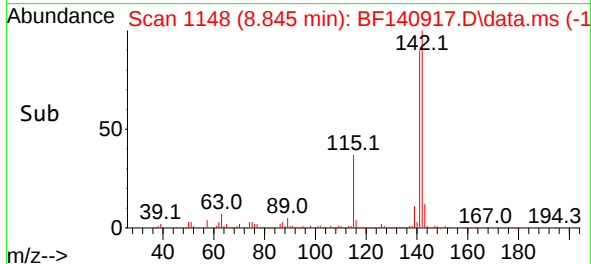
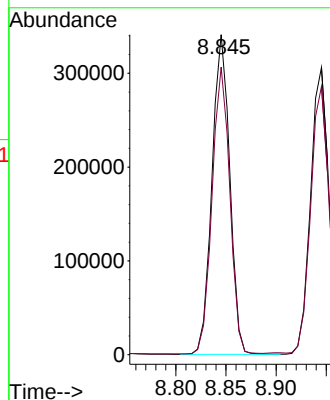
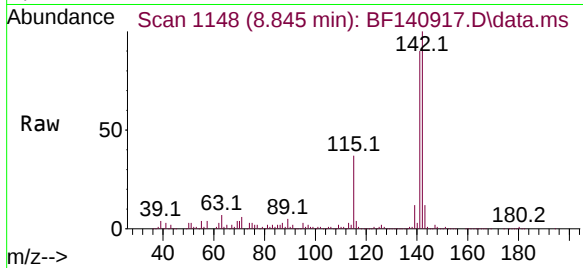
HR-04-121624MS

Tgt Ion:142 Resp: 419512

Ion Ratio Lower Upper

142 100

141 89.8 71.0 106.6



#38

1-Methylnaphthalene

Concen: 42.898 ng

RT: 8.945 min Scan# 1165

Delta R.T. 0.006 min

Lab File: BF140917.D

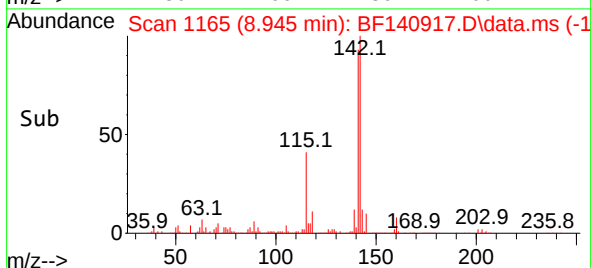
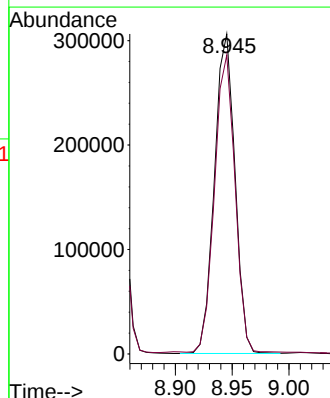
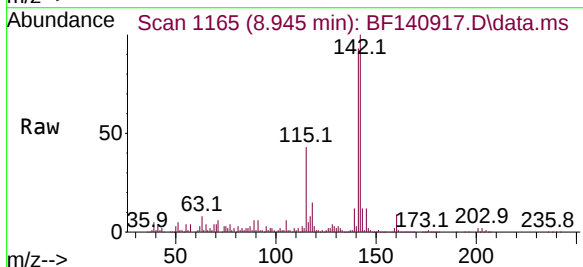
Acq: 18 Dec 2024 20:15

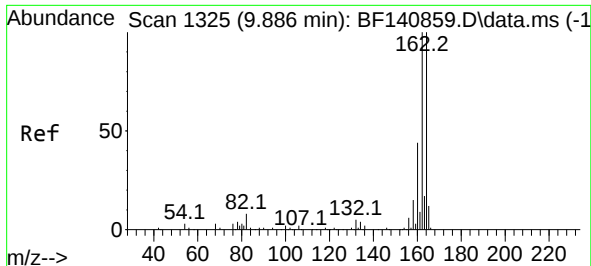
Tgt Ion:142 Resp: 384423

Ion Ratio Lower Upper

142 100

141 93.4 73.4 110.0

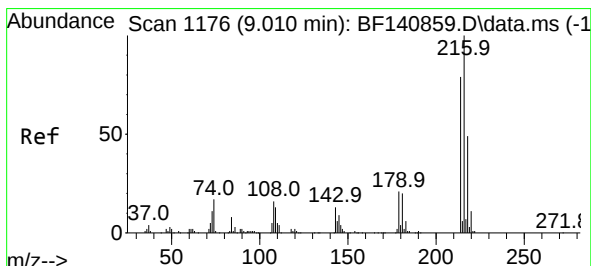
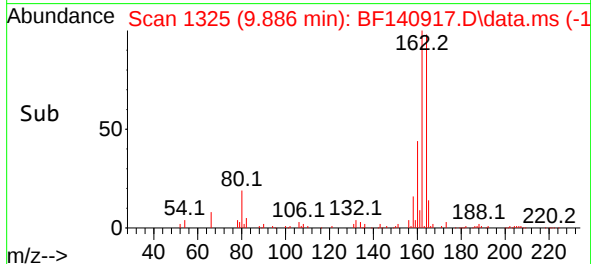
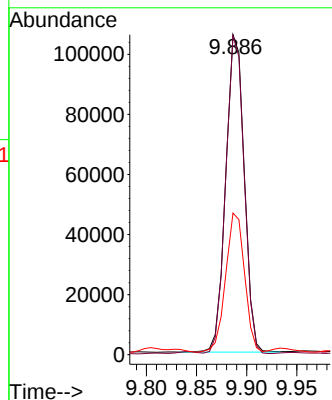
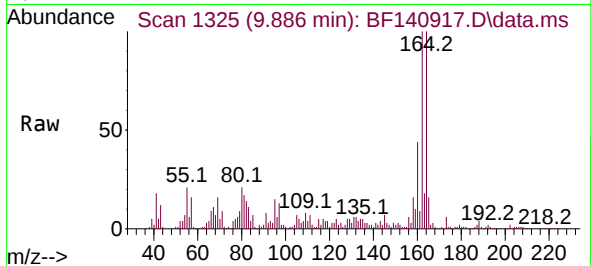




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1176
Delta R.T. -0.000 min
Lab File: BF140917.D
Acq: 18 Dec 2024 20:15

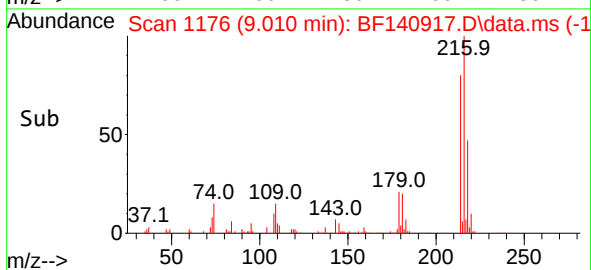
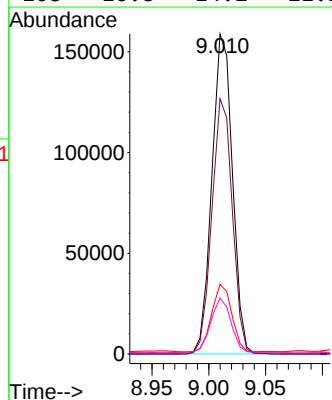
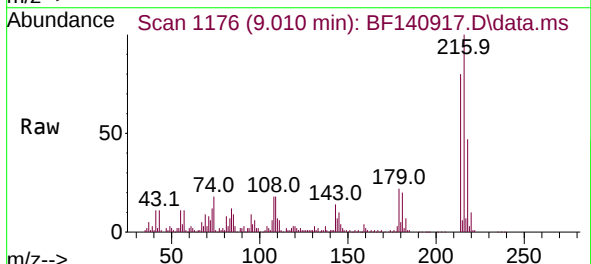
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MS

Tgt Ion:164 Resp: 135551
Ion Ratio Lower Upper
164 100
162 99.6 79.9 119.9
160 44.3 35.2 52.8



#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.914 ng
RT: 9.010 min Scan# 1176
Delta R.T. -0.000 min
Lab File: BF140917.D
Acq: 18 Dec 2024 20:15

Tgt Ion:216 Resp: 199628
Ion Ratio Lower Upper
216 100
214 79.4 63.6 95.4
179 20.6 17.0 25.4
108 16.8 14.2 21.2

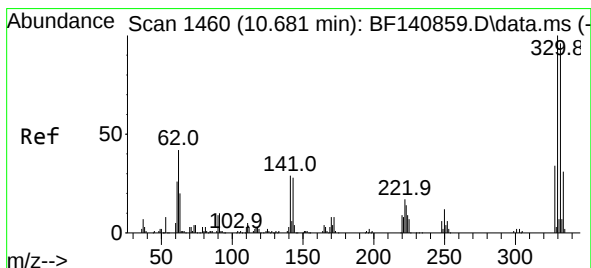
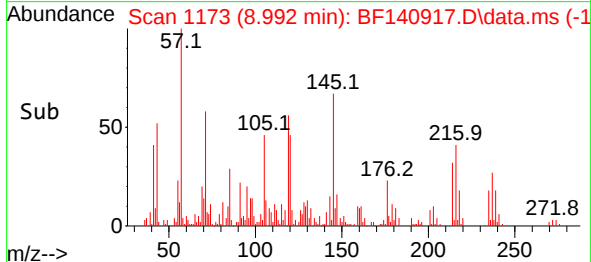
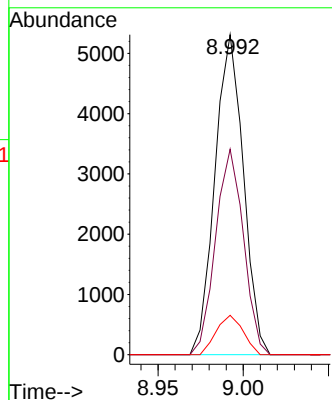
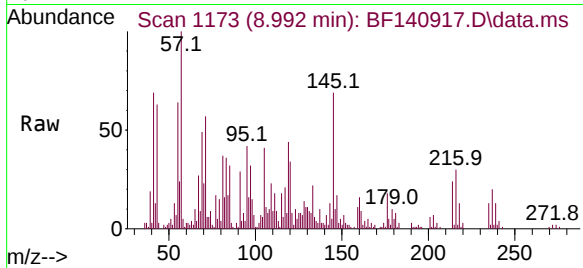




#41
Hexachlorocyclopentadiene
Concen: 8.820 ng
RT: 8.992 min Scan# 1173
Delta R.T. 0.005 min
Lab File: BF140917.D
Acq: 18 Dec 2024 20:15

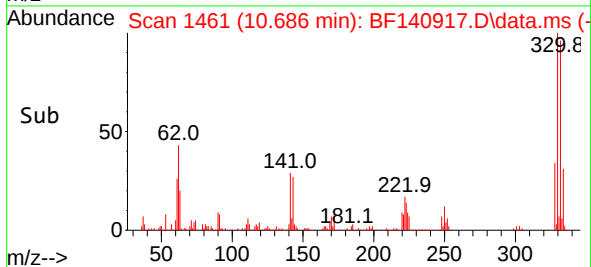
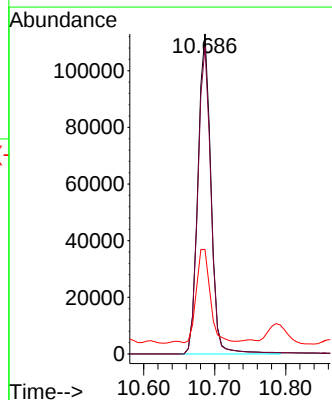
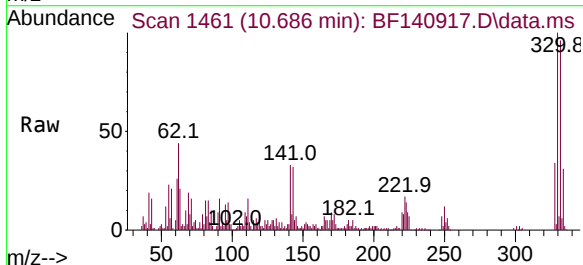
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MS

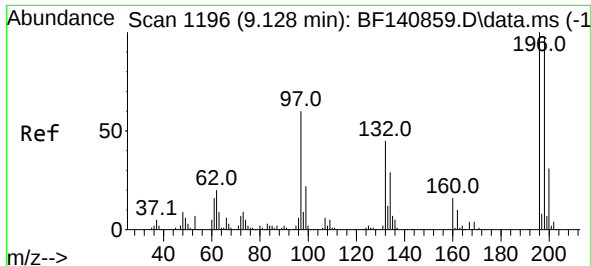
Tgt Ion:	237	Resp:	6168
Ion	Ratio	Lower	Upper
237	100		
235	64.2	43.7	83.7
272	12.3	0.0	32.9



#42
2,4,6-Tribromophenol
Concen: 90.243 ng
RT: 10.686 min Scan# 1461
Delta R.T. 0.006 min
Lab File: BF140917.D
Acq: 18 Dec 2024 20:15

Tgt Ion:	330	Resp:	144676
Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.2	114.4
141	31.0	24.9	37.3

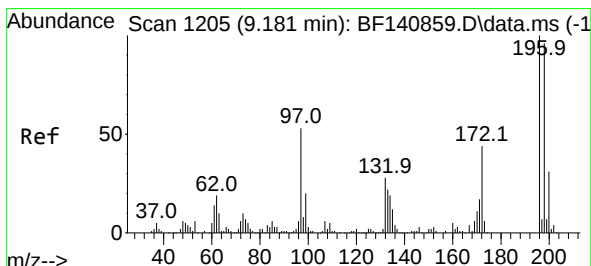
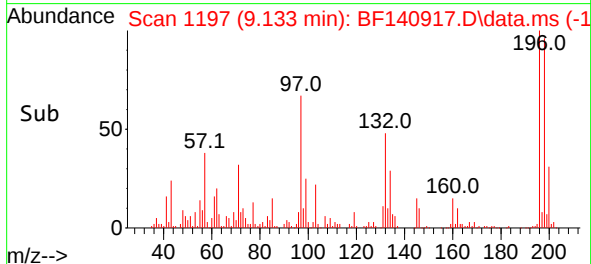
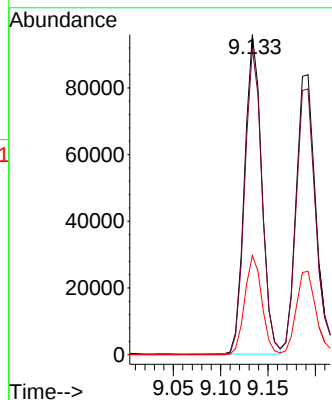
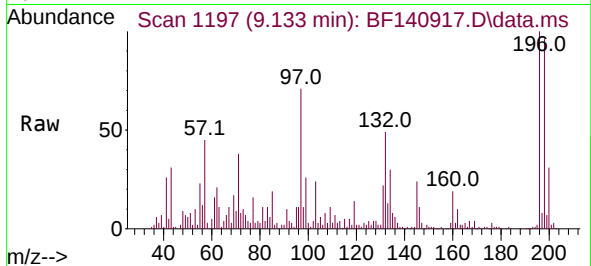




#43
2,4,6-Trichlorophenol
Concen: 47.303 ng
RT: 9.133 min Scan# 1196
Delta R.T. 0.006 min
Lab File: BF140917.D
Acq: 18 Dec 2024 20:15

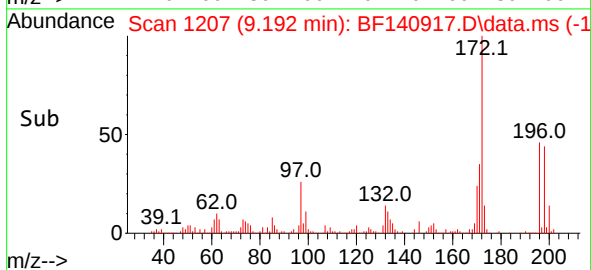
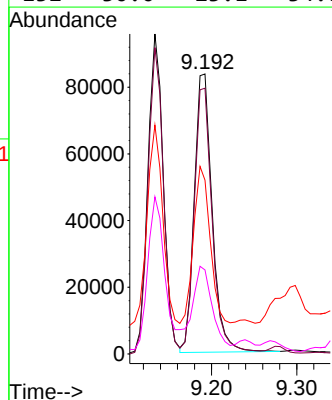
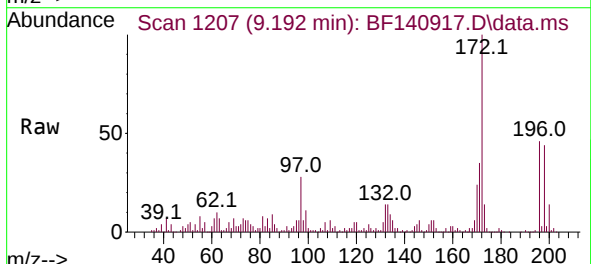
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MS

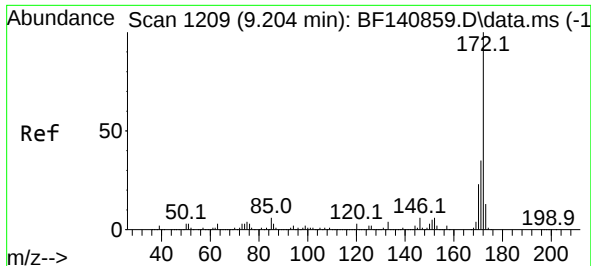
Tgt Ion:196 Resp: 120677
Ion Ratio Lower Upper
196 100
198 95.8 77.4 116.0
200 31.0 24.5 36.7



#44
2,4,5-Trichlorophenol
Concen: 43.384 ng
RT: 9.192 min Scan# 1207
Delta R.T. 0.012 min
Lab File: BF140917.D
Acq: 18 Dec 2024 20:15

Tgt Ion:196 Resp: 121652
Ion Ratio Lower Upper
196 100
198 94.9 77.2 115.8
97 62.1 42.2 63.4
132 30.0 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 66.986 ng

RT: 9.204 min Scan# 1209

Delta R.T. -0.000 min

Lab File: BF140917.D

Acq: 18 Dec 2024 20:15

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MS

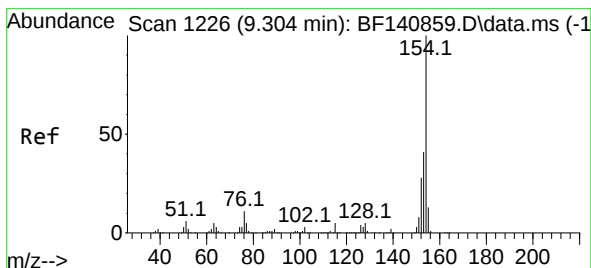
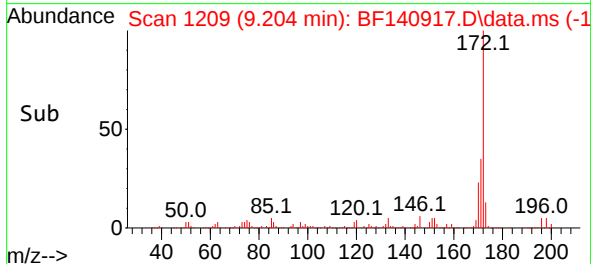
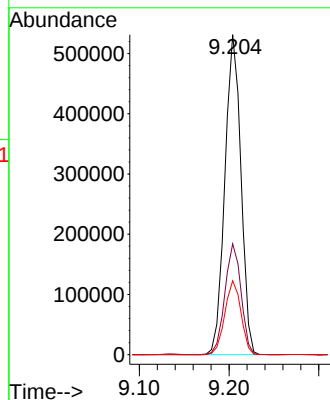
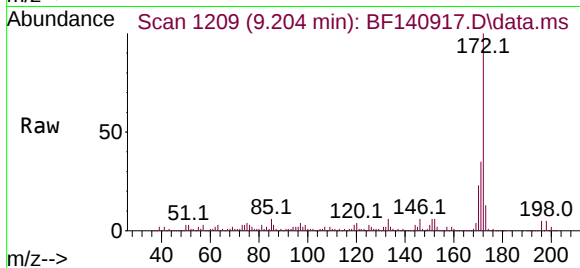
Tgt Ion:172 Resp: 660434

Ion Ratio Lower Upper

172 100

171 34.6 28.4 42.6

170 23.1 18.6 28.0



#46

1,1'-Biphenyl

Concen: 48.830 ng

RT: 9.310 min Scan# 1227

Delta R.T. 0.006 min

Lab File: BF140917.D

Acq: 18 Dec 2024 20:15

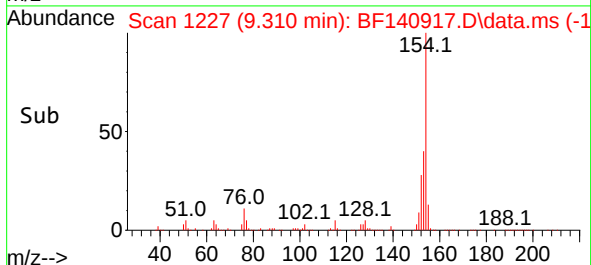
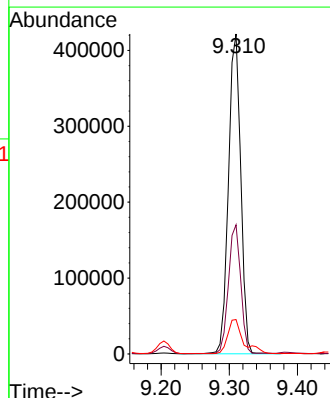
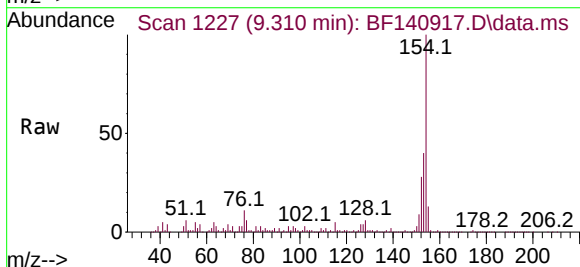
Tgt Ion:154 Resp: 526330

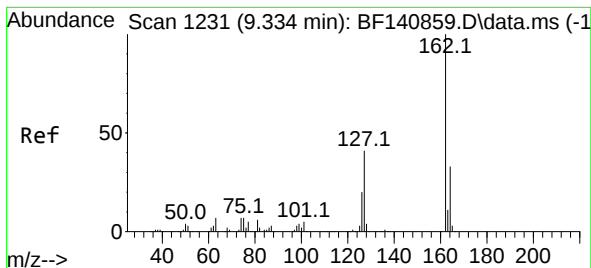
Ion Ratio Lower Upper

154 100

153 40.3 20.8 60.8

76 10.8 0.0 31.0





#47

2-Chloronaphthalene

Concen: 45.747 ng

RT: 9.333 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF140917.D

Acq: 18 Dec 2024 20:15

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MS

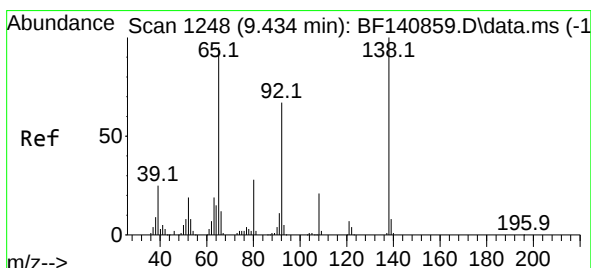
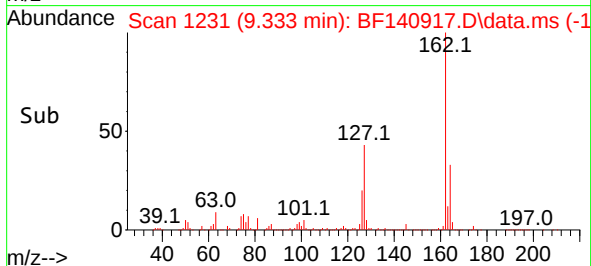
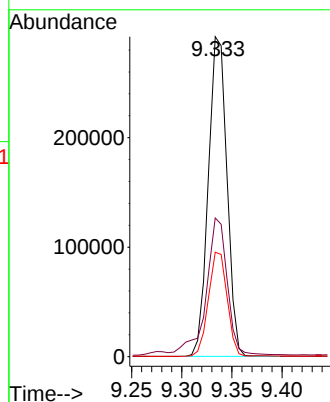
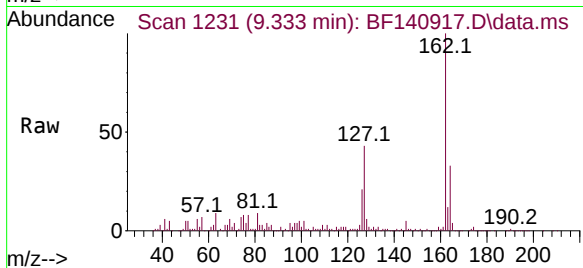
Tgt Ion:162 Resp: 377227

Ion Ratio Lower Upper

162 100

127 43.4 33.5 50.3

164 32.6 26.2 39.2



#48

2-Nitroaniline

Concen: 47.412 ng

RT: 9.439 min Scan# 1249

Delta R.T. 0.006 min

Lab File: BF140917.D

Acq: 18 Dec 2024 20:15

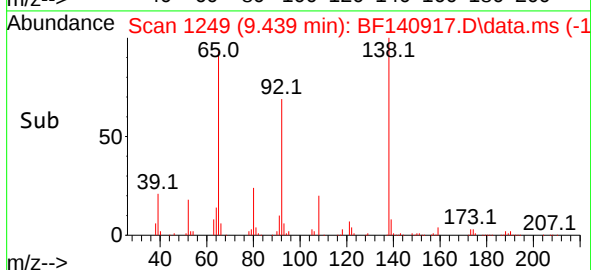
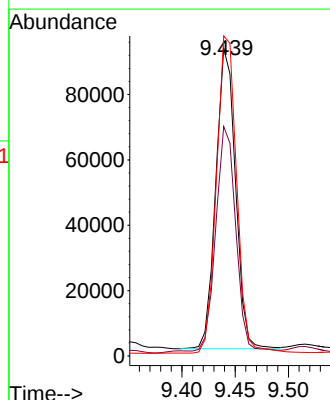
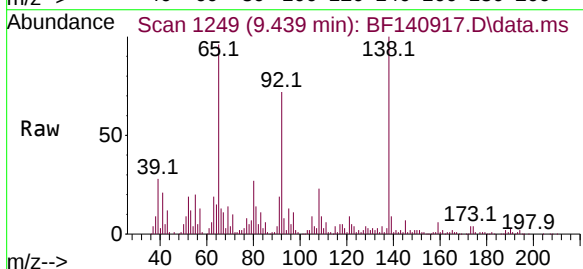
Tgt Ion: 65 Resp: 118073

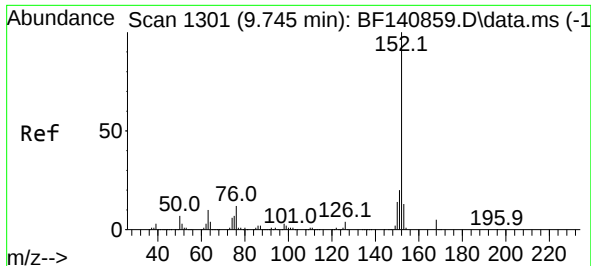
Ion Ratio Lower Upper

65 100

92 74.5 56.3 84.5

138 104.0 83.8 125.6

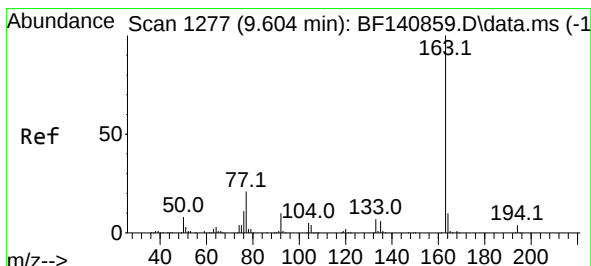
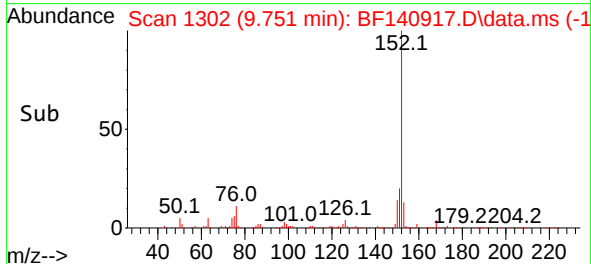
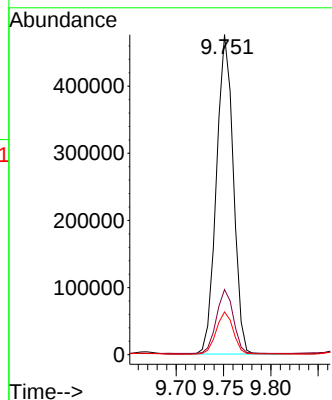
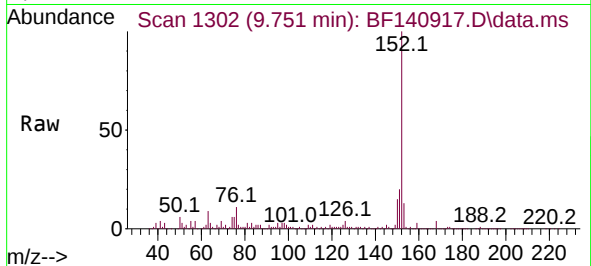




#49
Acenaphthylene
Concen: 48.730 ng
RT: 9.751 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140917.D
Acq: 18 Dec 2024 20:15

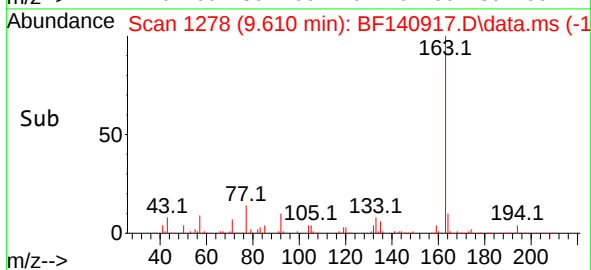
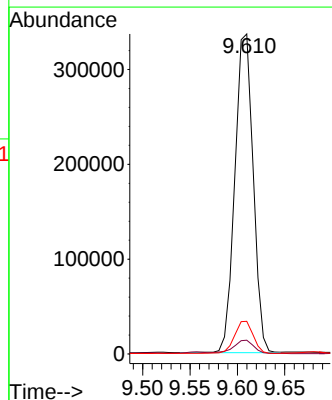
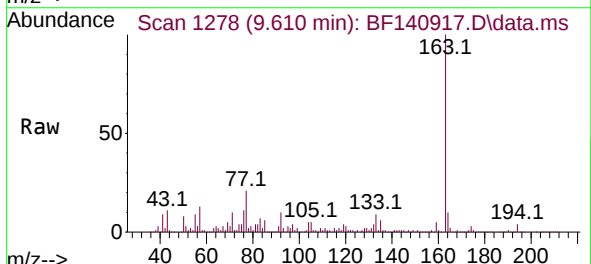
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MS

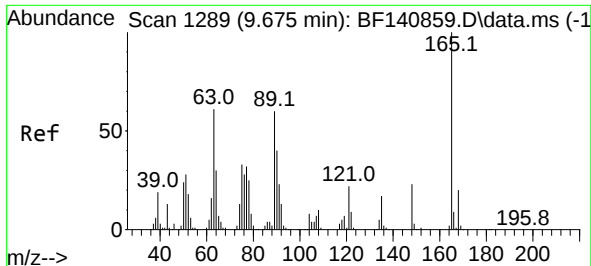
Tgt Ion:152 Resp: 590505
Ion Ratio Lower Upper
152 100
151 20.3 16.0 24.0
153 13.4 10.6 16.0



#50
Dimethylphthalate
Concen: 47.194 ng
RT: 9.610 min Scan# 1278
Delta R.T. 0.006 min
Lab File: BF140917.D
Acq: 18 Dec 2024 20:15

Tgt Ion:163 Resp: 451019
Ion Ratio Lower Upper
163 100
194 4.3 3.1 4.7
164 10.2 8.1 12.1

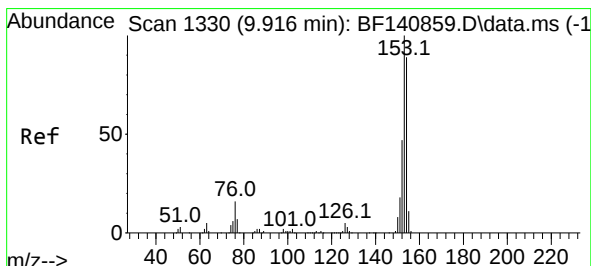
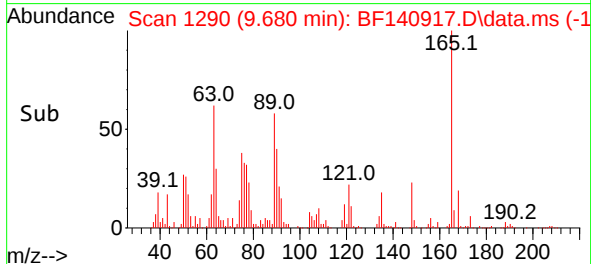
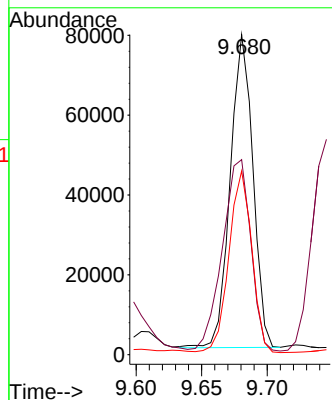
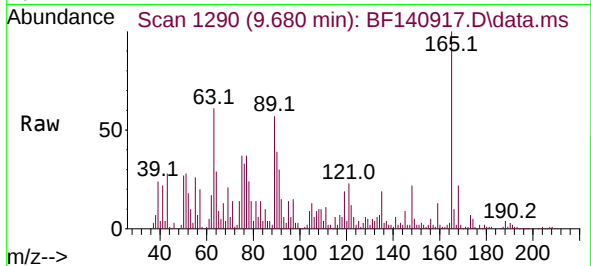




#51
2,6-Dinitrotoluene
Concen: 43.105 ng
RT: 9.680 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140917.D
Acq: 18 Dec 2024 20:15

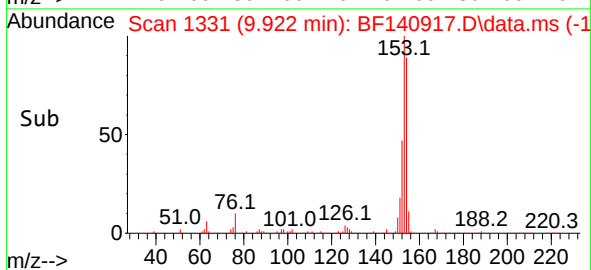
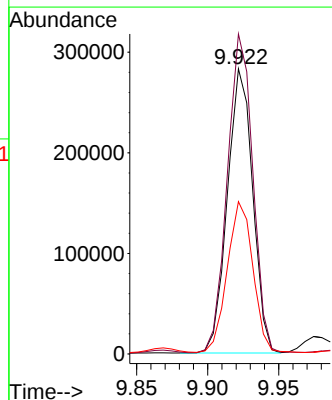
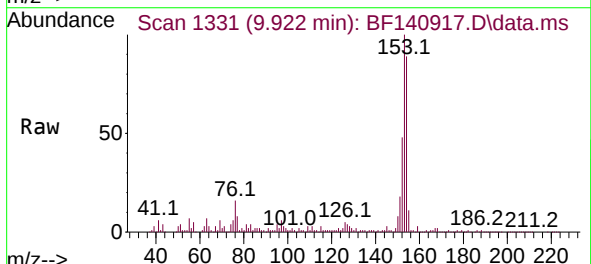
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MS

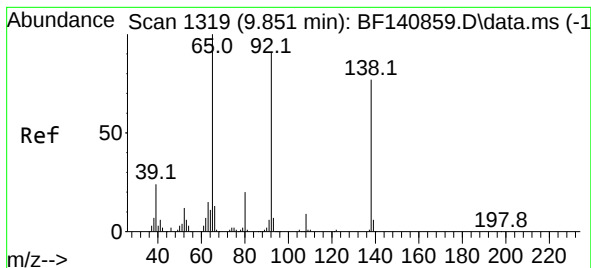
Tgt Ion:165 Resp: 94174
Ion Ratio Lower Upper
165 100
63 60.9 49.7 74.5
89 57.4 48.2 72.4



#52
Acenaphthene
Concen: 45.373 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.006 min
Lab File: BF140917.D
Acq: 18 Dec 2024 20:15

Tgt Ion:154 Resp: 351219
Ion Ratio Lower Upper
154 100
153 112.3 89.9 134.9
152 53.5 42.6 63.8

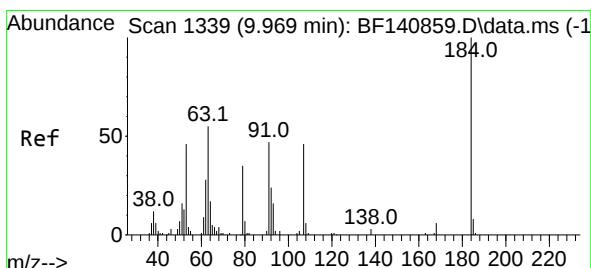
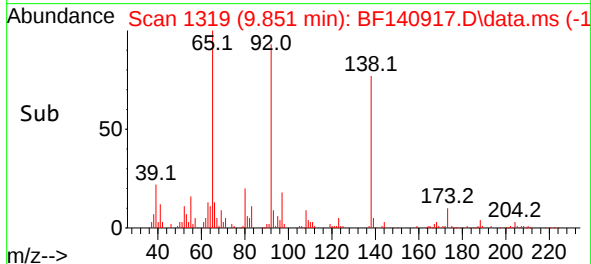
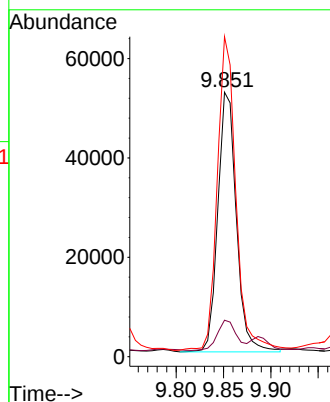
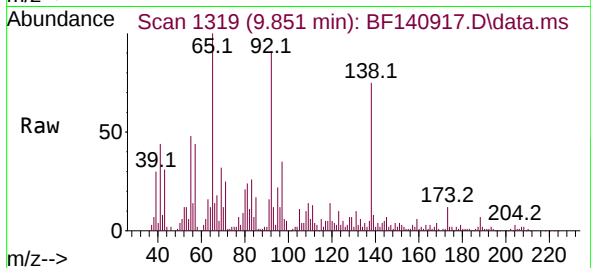




#53
3-Nitroaniline
Concen: 32.815 ng
RT: 9.851 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140917.D
Acq: 18 Dec 2024 20:15

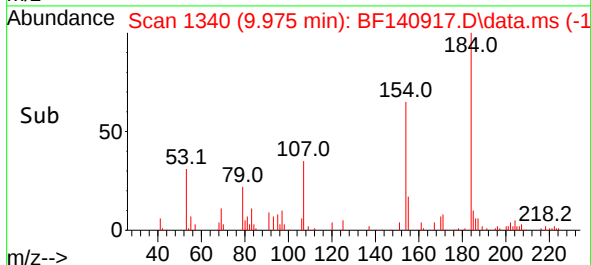
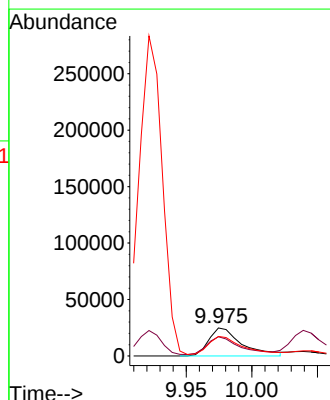
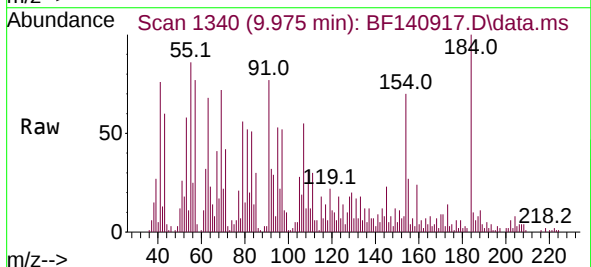
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MS

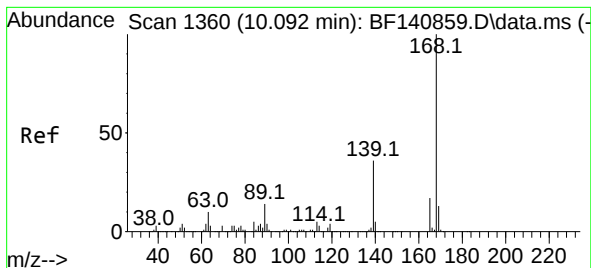
Tgt Ion:138 Resp: 71146
Ion Ratio Lower Upper
138 100
108 13.8 9.0 13.4#
92 121.0 95.5 143.3



#54
2,4-Dinitrophenol
Concen: 43.994 ng
RT: 9.975 min Scan# 1340
Delta R.T. 0.006 min
Lab File: BF140917.D
Acq: 18 Dec 2024 20:15

Tgt Ion:184 Resp: 43479
Ion Ratio Lower Upper
184 100
63 68.3 51.6 77.4
154 69.6 56.1 84.1





#55

Dibenzenofuran

Concen: 43.691 ng

RT: 10.098 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF140917.D

Acq: 18 Dec 2024 20:15

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MS

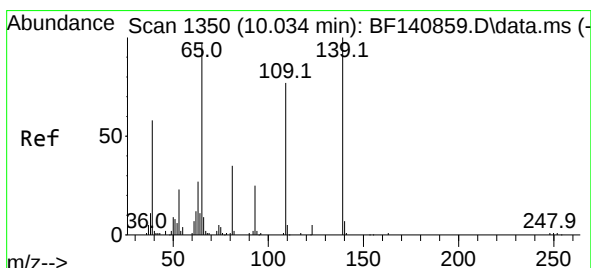
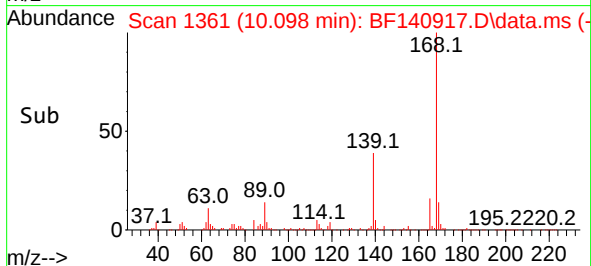
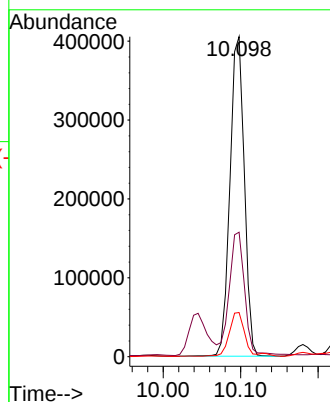
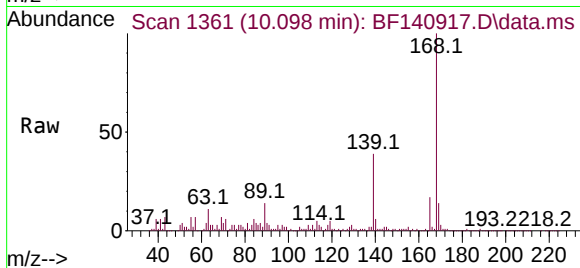
Tgt Ion:168 Resp: 524059

Ion Ratio Lower Upper

168 100

139 38.9 31.1 46.7

169 13.8 10.6 16.0



#56

4-Nitrophenol

Concen: 75.190 ng

RT: 10.045 min Scan# 1352

Delta R.T. 0.011 min

Lab File: BF140917.D

Acq: 18 Dec 2024 20:15

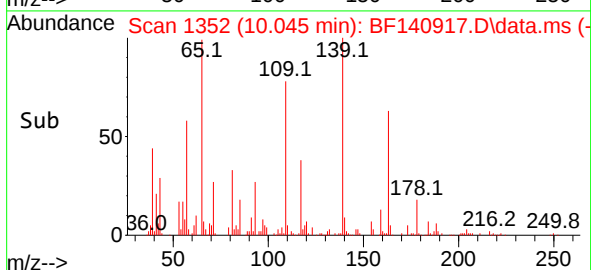
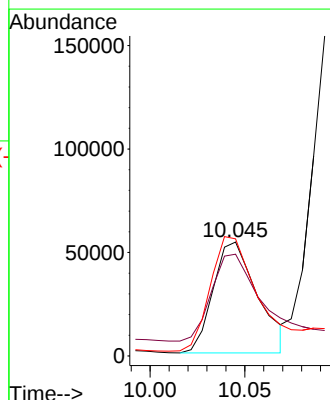
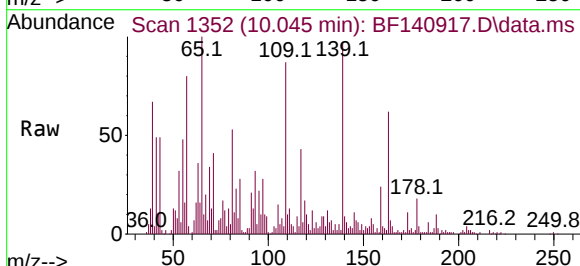
Tgt Ion:139 Resp: 87359

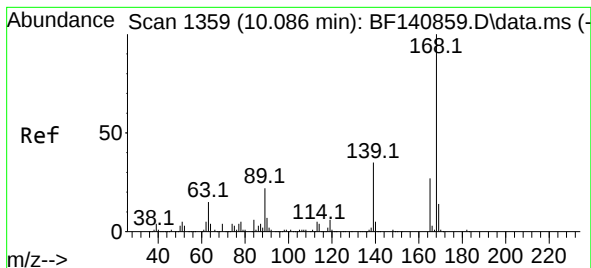
Ion Ratio Lower Upper

139 100

109 89.4 56.7 96.7

65 102.9 78.1 118.1

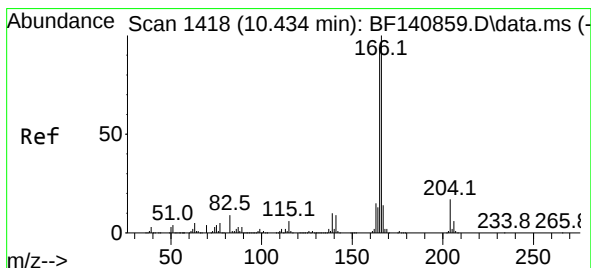
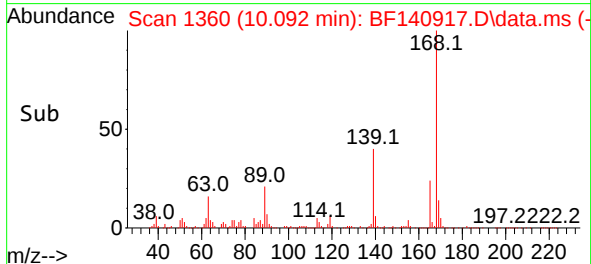
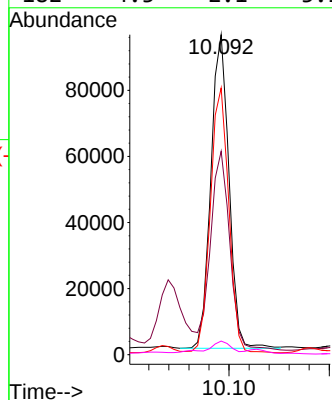
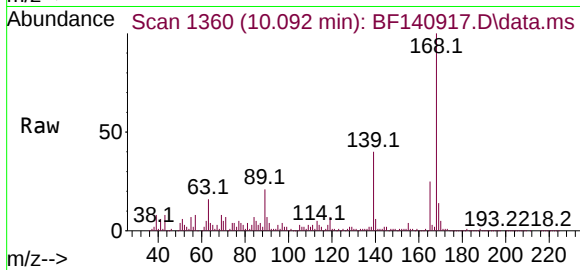




#57
2,4-Dinitrotoluene
Concen: 41.374 ng
RT: 10.092 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140917.D
Acq: 18 Dec 2024 20:15

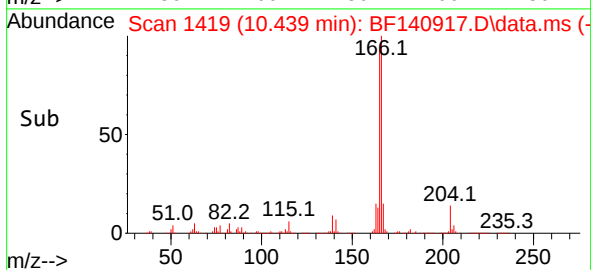
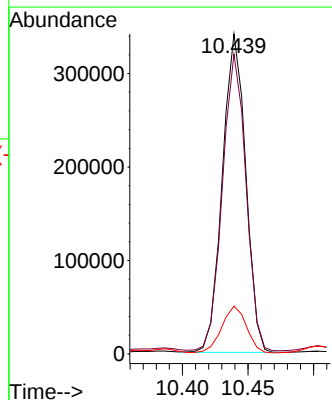
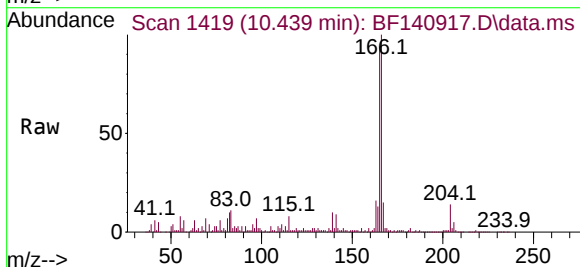
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MS

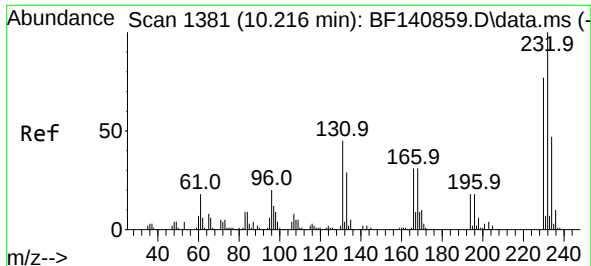
Tgt Ion:165 Resp: 118931
Ion Ratio Lower Upper
165 100
63 63.6 49.3 73.9
89 83.3 66.2 99.4
182 4.3 2.1 3.1#



#58
Fluorene
Concen: 42.597 ng
RT: 10.439 min Scan# 1419
Delta R.T. 0.006 min
Lab File: BF140917.D
Acq: 18 Dec 2024 20:15

Tgt Ion:166 Resp: 421524
Ion Ratio Lower Upper
166 100
165 93.7 75.1 112.7
167 15.0 11.1 16.7





#59

2,3,4,6-Tetrachlorophenol

Concen: 41.482 ng

RT: 10.222 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF140917.D

Acq: 18 Dec 2024 20:15

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MS

Tgt Ion:232 Resp: 94781

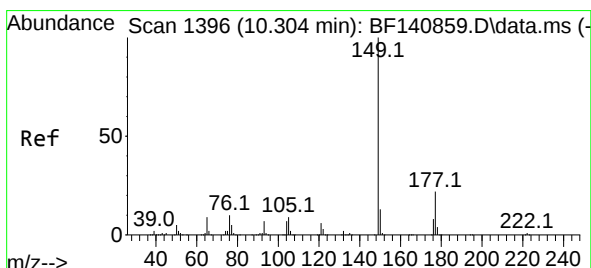
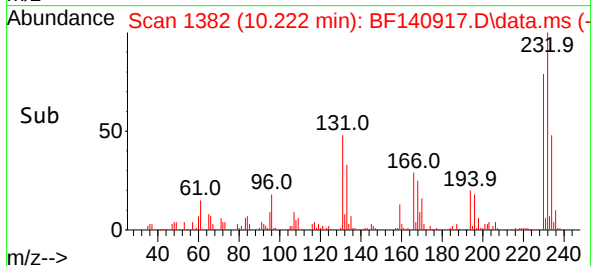
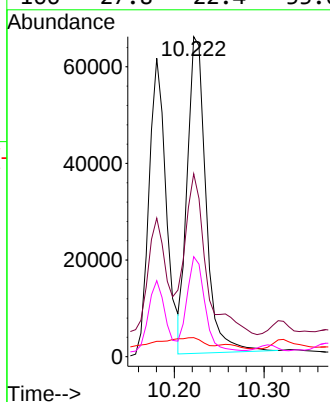
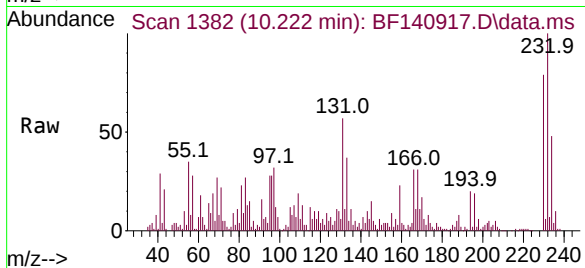
Ion Ratio Lower Upper

232 100

131 60.9 35.1 52.7#

130 10.3 1.8 2.8#

166 27.8 22.4 33.6



#60

Diethylphthalate

Concen: 42.682 ng

RT: 10.310 min Scan# 1397

Delta R.T. 0.006 min

Lab File: BF140917.D

Acq: 18 Dec 2024 20:15

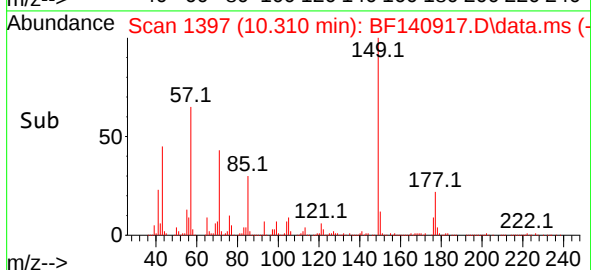
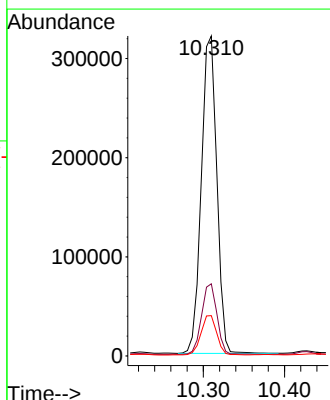
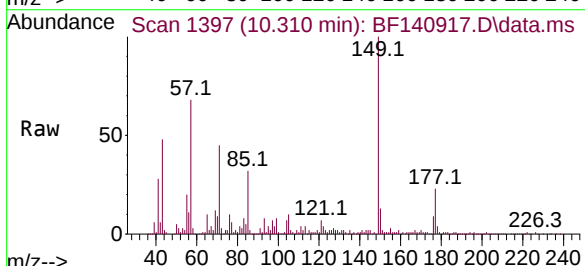
Tgt Ion:149 Resp: 422974

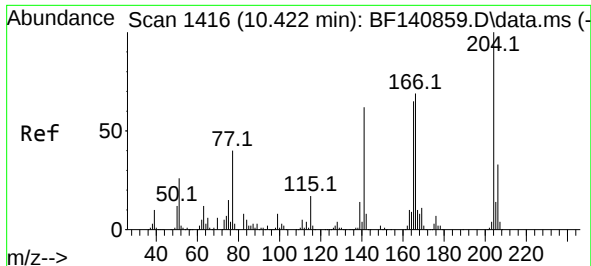
Ion Ratio Lower Upper

149 100

177 22.5 17.2 25.8

150 12.6 10.1 15.1

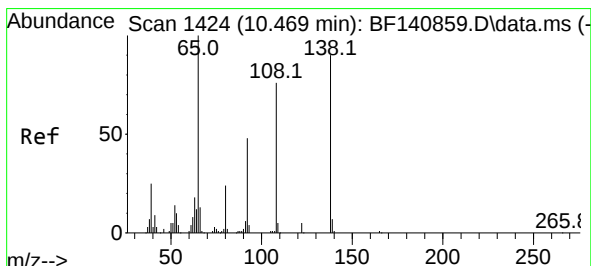
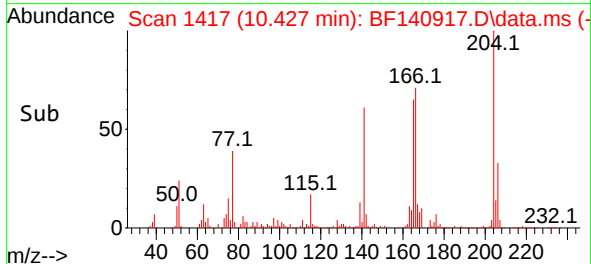
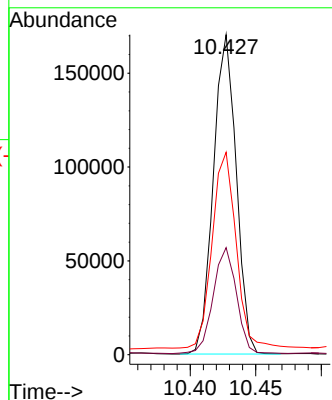
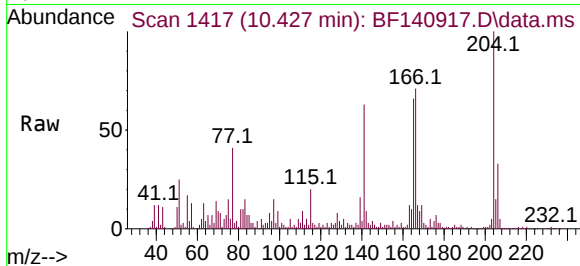




#61
4-Chlorophenyl-phenylether
Concen: 41.536 ng
RT: 10.427 min Scan# 1416
Delta R.T. 0.006 min
Lab File: BF140917.D
Acq: 18 Dec 2024 20:15

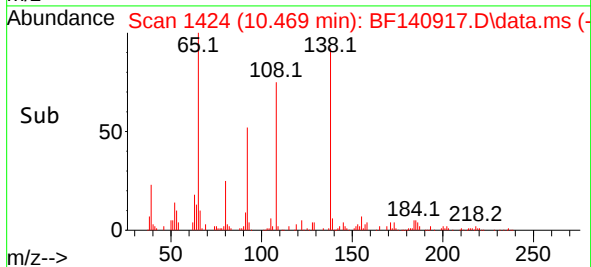
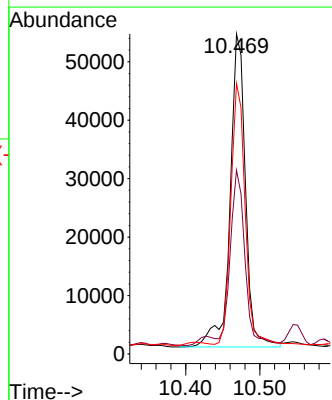
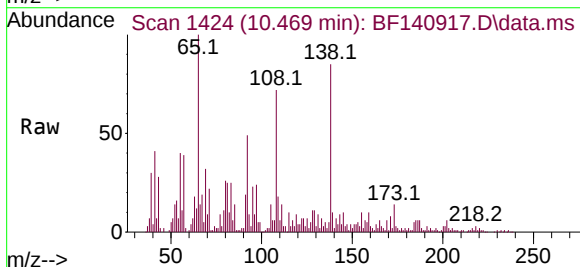
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MS

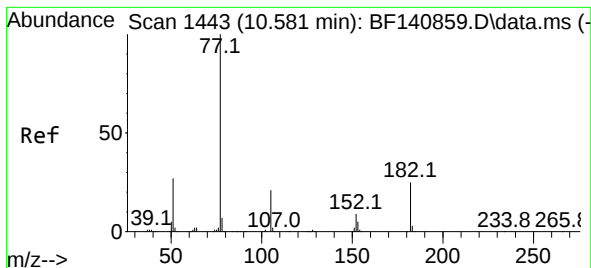
Tgt Ion:204 Resp: 206463
Ion Ratio Lower Upper
204 100
206 33.5 26.5 39.7
141 63.3 50.0 75.0



#62
4-Nitroaniline
Concen: 34.093 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.000 min
Lab File: BF140917.D
Acq: 18 Dec 2024 20:15

Tgt Ion:138 Resp: 77242
Ion Ratio Lower Upper
138 100
92 57.5 32.6 72.6
108 84.6 64.1 104.1





#63

Azobenzene

Concen: 45.116 ng

RT: 10.586 min Scan# 1443

Delta R.T. 0.006 min

Lab File: BF140917.D

Acq: 18 Dec 2024 20:15

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MS

Tgt Ion: 77 Resp: 420327

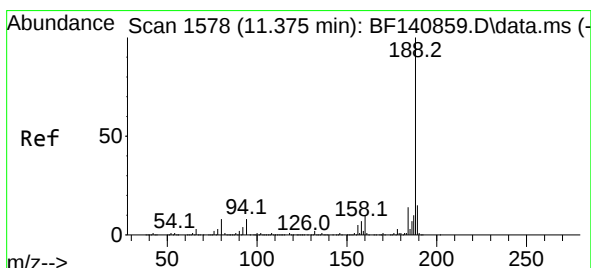
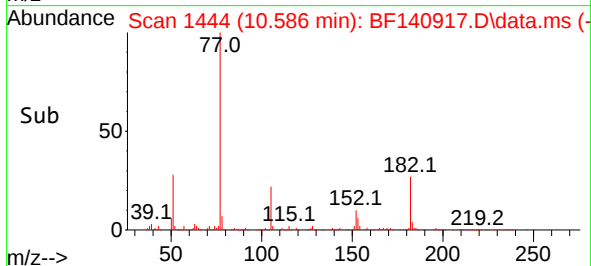
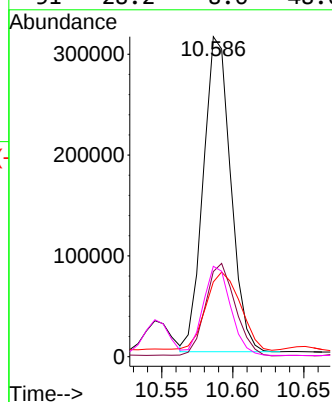
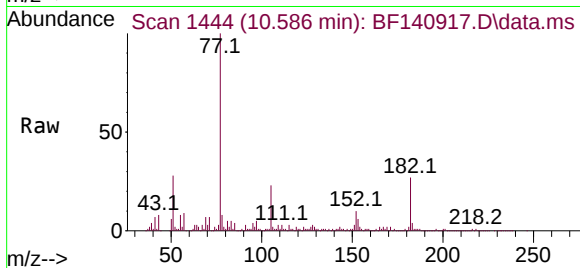
Ion Ratio Lower Upper

77 100

182 26.6 4.5 44.5

105 23.4 0.9 40.9

51 28.2 8.6 48.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.380 min Scan# 1579

Delta R.T. 0.006 min

Lab File: BF140917.D

Acq: 18 Dec 2024 20:15

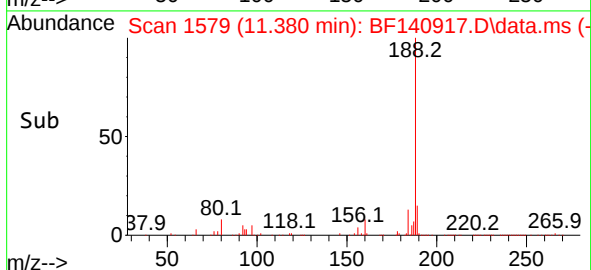
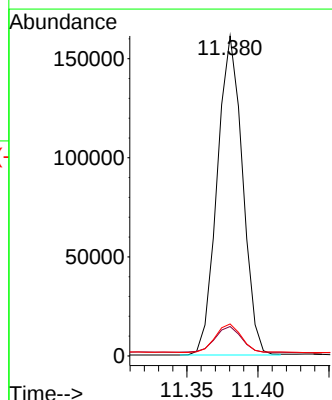
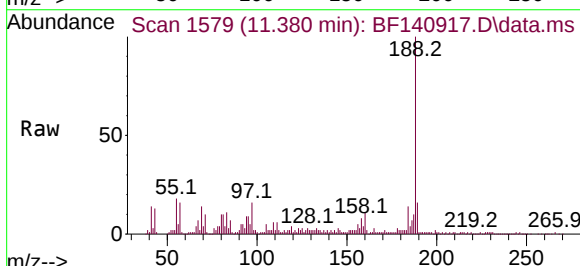
Tgt Ion: 188 Resp: 199662

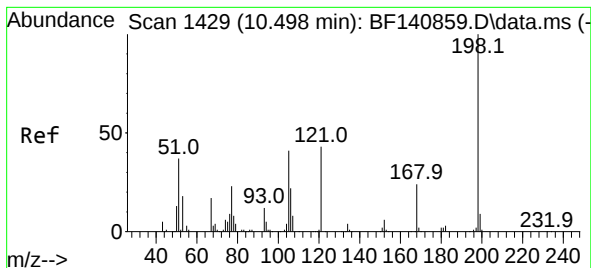
Ion Ratio Lower Upper

188 100

94 9.2 6.4 9.6

80 10.0 6.8 10.2

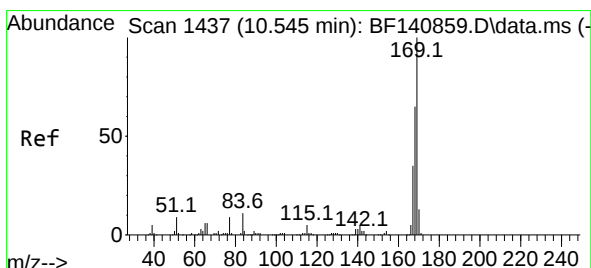
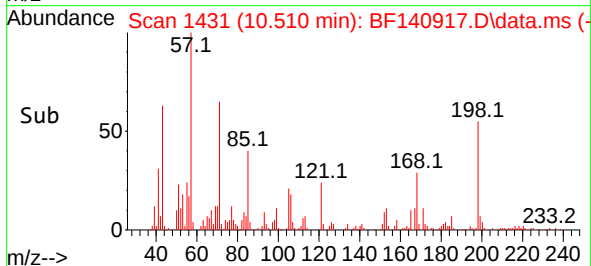
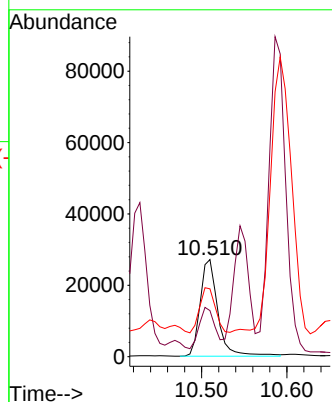
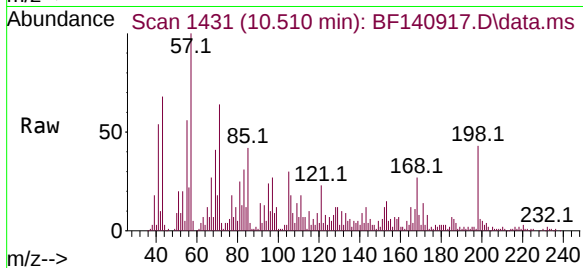




#65
4,6-Dinitro-2-methylphenol
Concen: 34.617 ng
RT: 10.510 min Scan# 1429
Delta R.T. 0.012 min
Lab File: BF140917.D
Acq: 18 Dec 2024 20:15

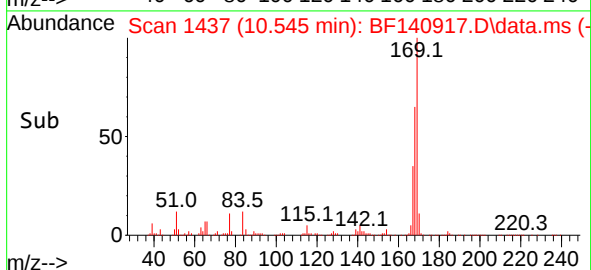
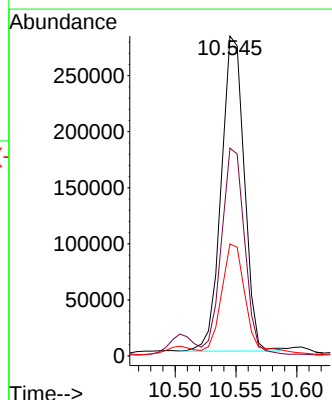
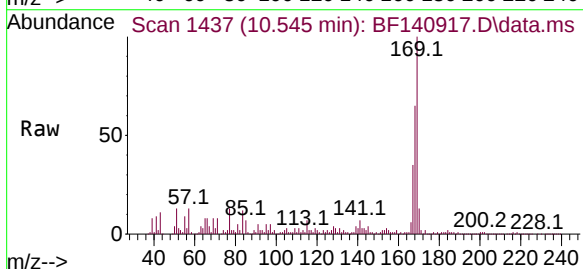
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MS

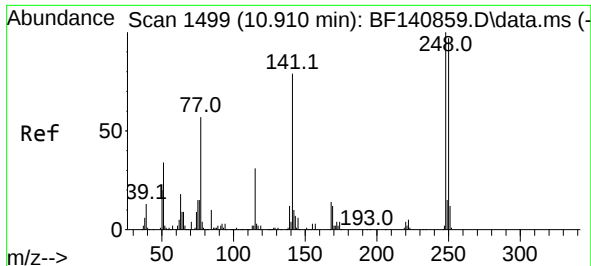
Tgt Ion:198 Resp: 39165
Ion Ratio Lower Upper
198 100
51 47.4 24.4 64.4
105 69.9 22.1 62.1#



#66
n-Nitrosodiphenylamine
Concen: 60.168 ng
RT: 10.545 min Scan# 1437
Delta R.T. -0.000 min
Lab File: BF140917.D
Acq: 18 Dec 2024 20:15

Tgt Ion:169 Resp: 369353
Ion Ratio Lower Upper
169 100
168 64.9 53.4 80.0
167 35.0 28.3 42.5

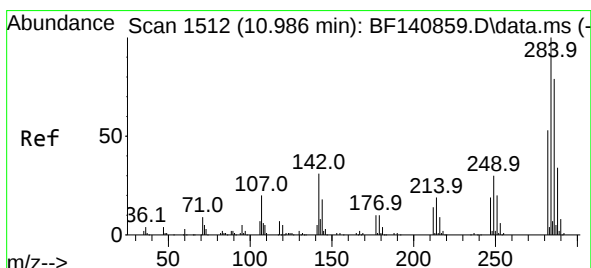
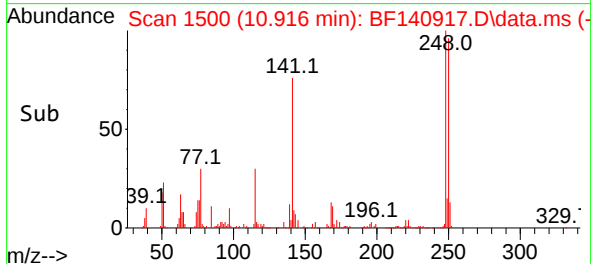
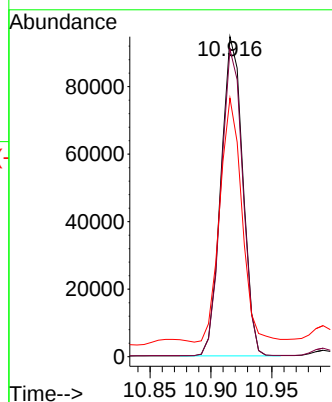
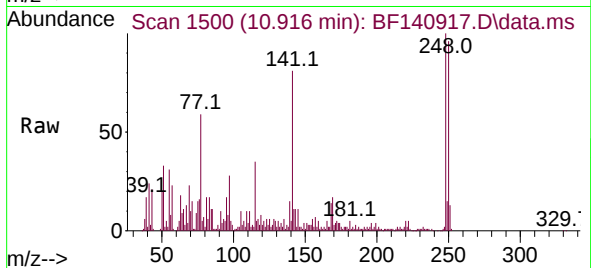




#67
4-Bromophenyl-phenylether
Concen: 52.774 ng
RT: 10.916 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140917.D
Acq: 18 Dec 2024 20:15

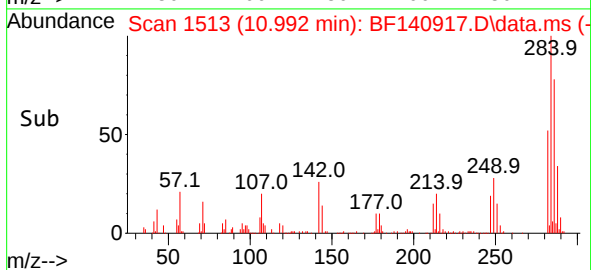
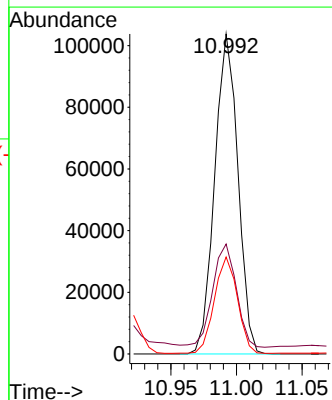
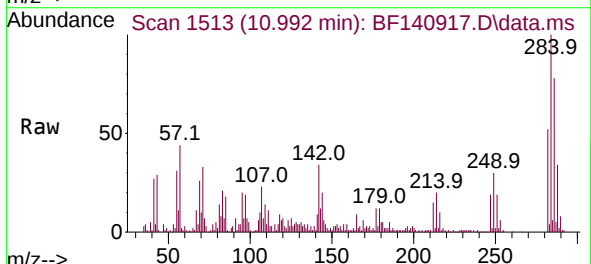
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MS

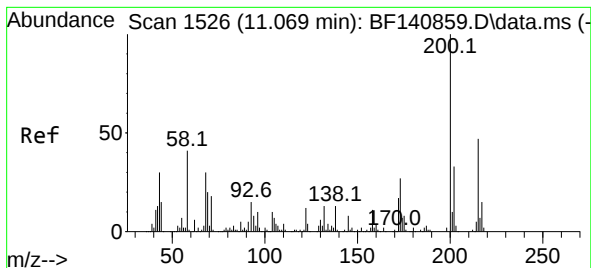
Tgt Ion:248 Resp: 117880
Ion Ratio Lower Upper
248 100
250 96.0 77.4 116.2
141 80.8 62.9 94.3



#68
Hexachlorobenzene
Concen: 50.349 ng
RT: 10.992 min Scan# 1513
Delta R.T. 0.006 min
Lab File: BF140917.D
Acq: 18 Dec 2024 20:15

Tgt Ion:284 Resp: 127508
Ion Ratio Lower Upper
284 100
142 34.3 24.6 36.8
249 30.3 24.3 36.5





#69

Atrazine

Concen: 67.968 ng

RT: 11.074 min Scan# 116529

Delta R.T. 0.006 min

Lab File: BF140917.D

Acq: 18 Dec 2024 20:15

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MS

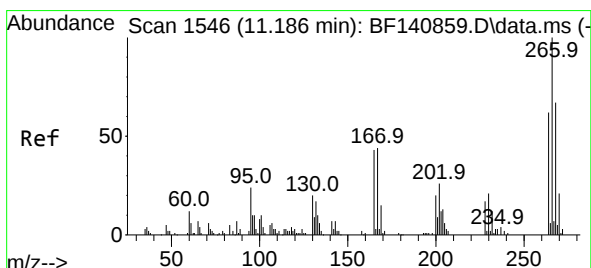
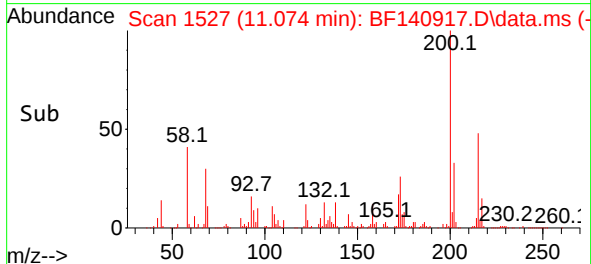
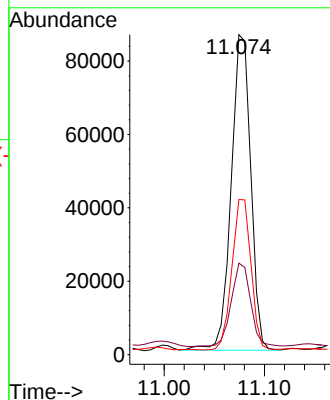
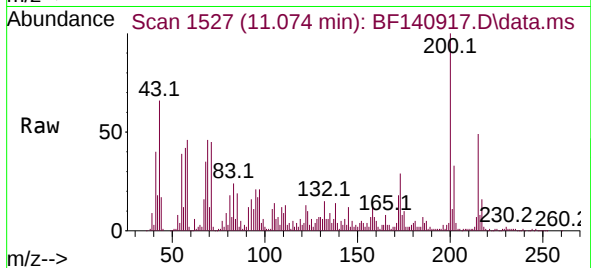
Tgt Ion:200 Resp: 116529

Ion Ratio Lower Upper

200 100

173 28.6 6.6 46.6

215 48.5 26.7 66.7



#70

Pentachlorophenol

Concen: 109.399 ng

RT: 11.198 min Scan# 1548

Delta R.T. 0.012 min

Lab File: BF140917.D

Acq: 18 Dec 2024 20:15

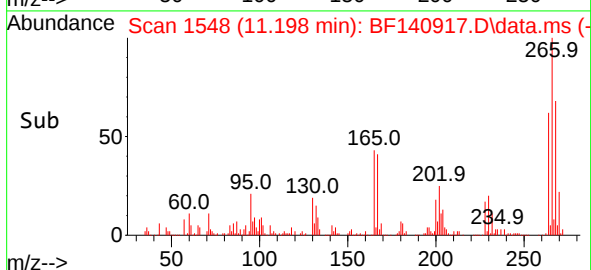
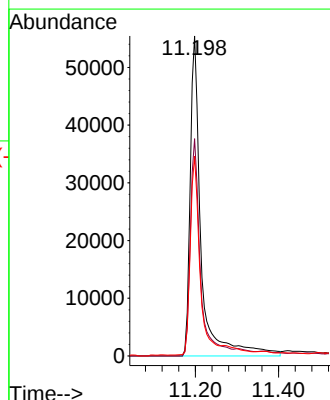
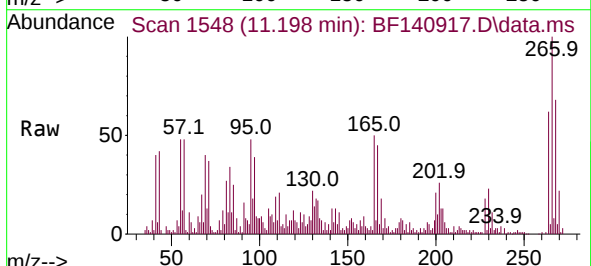
Tgt Ion:266 Resp: 101293

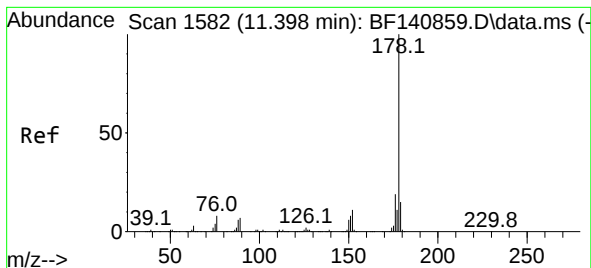
Ion Ratio Lower Upper

266 100

268 67.9 54.0 81.0

264 62.5 49.4 74.2





#71

Phenanthrene

Concen: 60.967 ng

RT: 11.404 min Scan# 1583

Delta R.T. 0.006 min

Lab File: BF140917.D

Acq: 18 Dec 2024 20:15

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MS

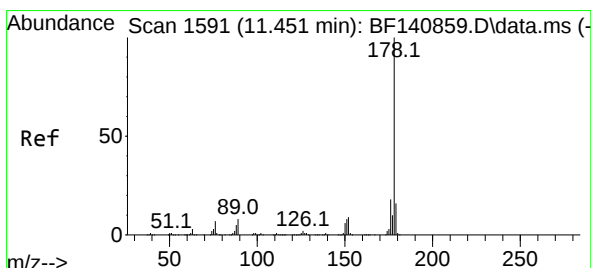
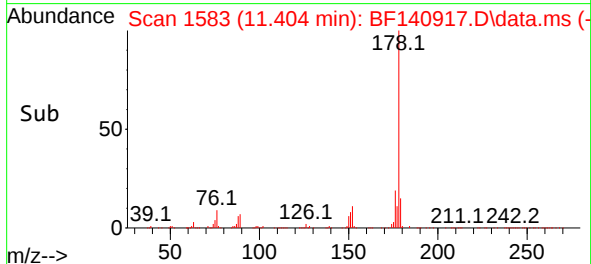
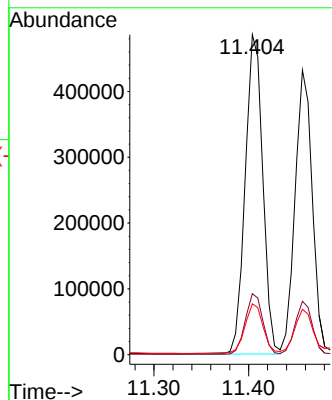
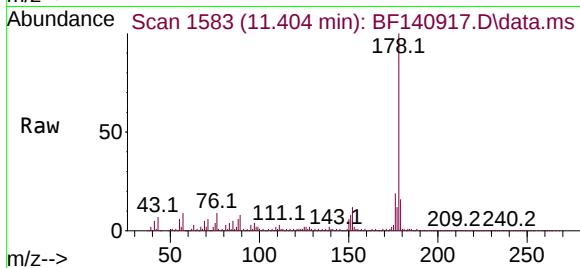
Tgt Ion:178 Resp: 625974

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.2

179 15.9 12.1 18.1



#72

Anthracene

Concen: 53.225 ng

RT: 11.457 min Scan# 1592

Delta R.T. 0.006 min

Lab File: BF140917.D

Acq: 18 Dec 2024 20:15

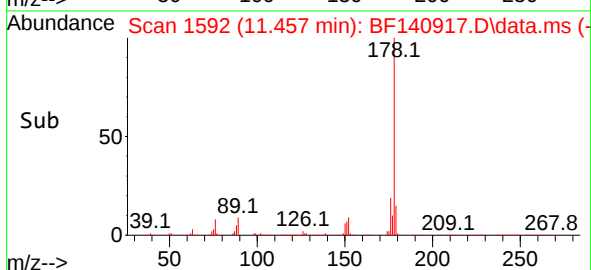
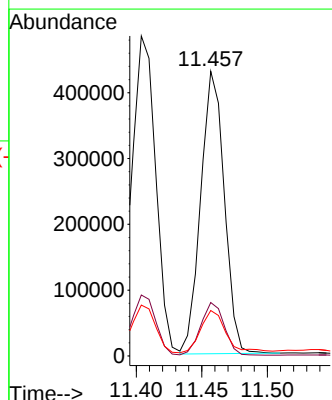
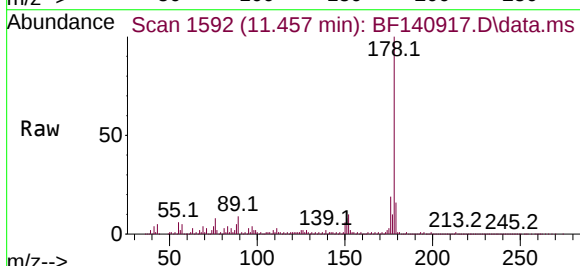
Tgt Ion:178 Resp: 538180

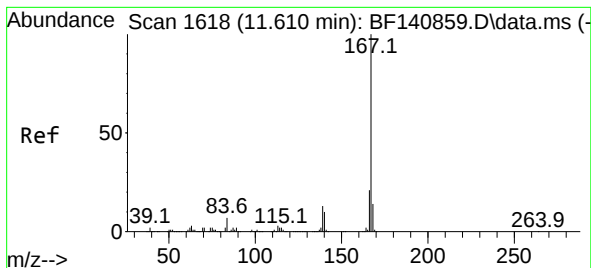
Ion Ratio Lower Upper

178 100

176 18.8 14.6 22.0

179 16.0 12.6 18.8





#73

Carbazole

Concen: 48.826 ng

RT: 11.616 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF140917.D

Acq: 18 Dec 2024 20:15

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MS

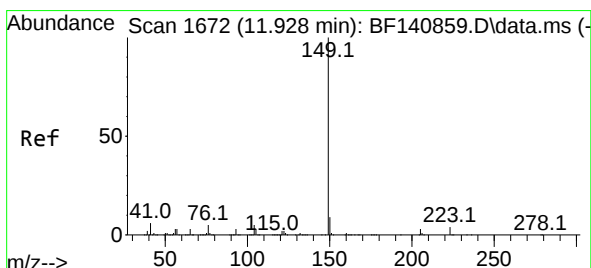
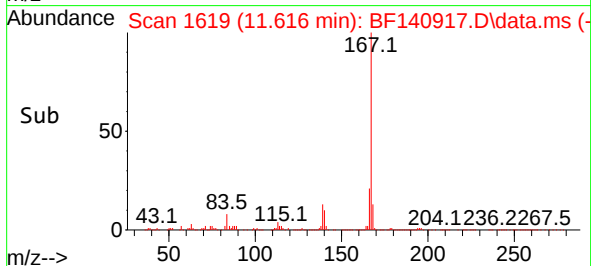
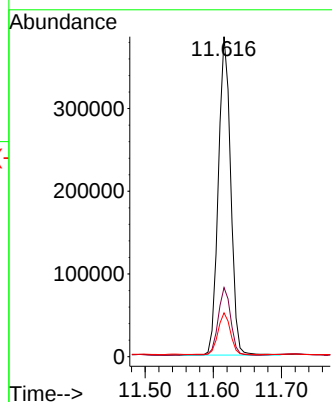
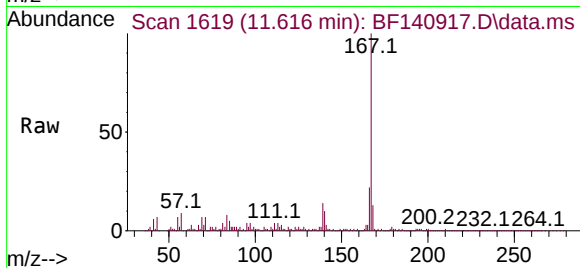
Tgt Ion:167 Resp: 483574

Ion Ratio Lower Upper

167 100

166 21.6 17.0 25.6

139 13.7 10.2 15.2



#74

Di-n-butylphthalate

Concen: 55.509 ng

RT: 11.933 min Scan# 1673

Delta R.T. 0.006 min

Lab File: BF140917.D

Acq: 18 Dec 2024 20:15

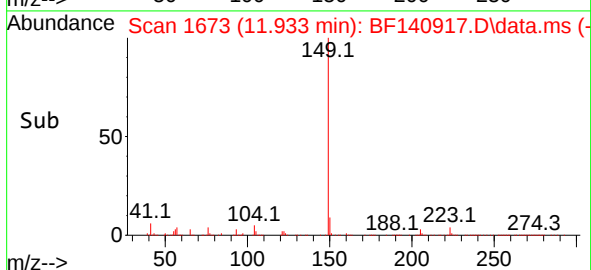
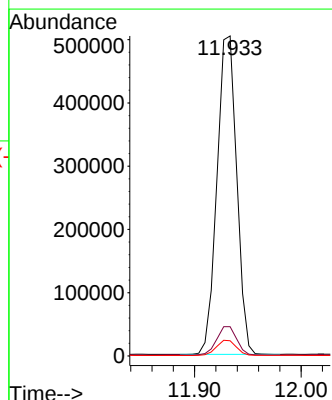
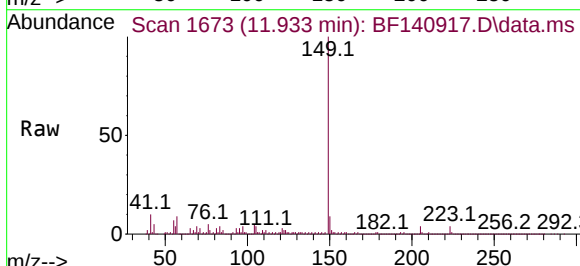
Tgt Ion:149 Resp: 645211

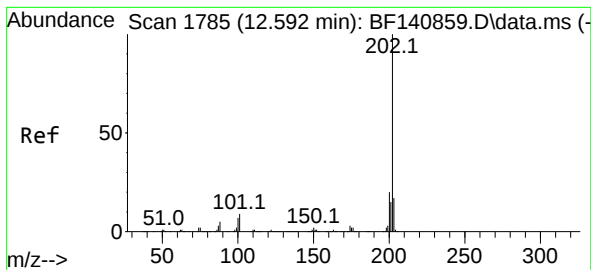
Ion Ratio Lower Upper

149 100

150 9.2 7.5 11.3

104 4.8 3.8 5.8





#75

Fluoranthene

Concen: 58.972 ng

RT: 12.598 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF140917.D

Acq: 18 Dec 2024 20:15

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MS

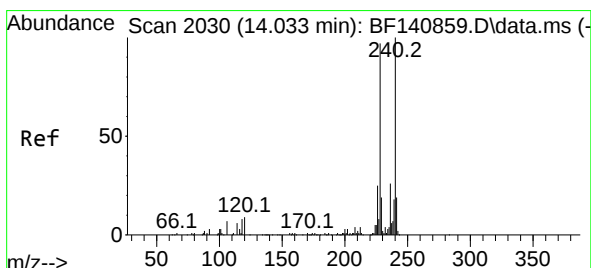
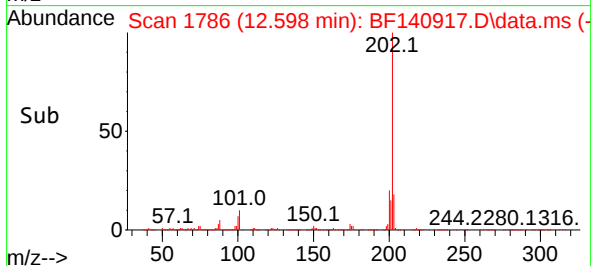
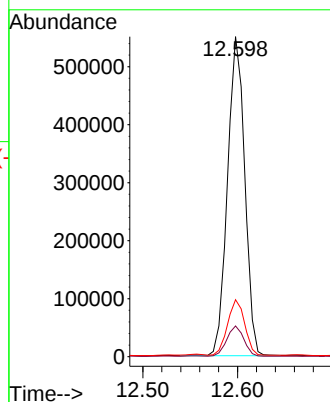
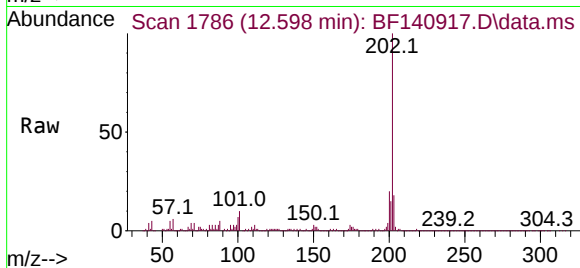
Tgt Ion:202 Resp: 697322

Ion Ratio Lower Upper

202 100

101 9.6 0.0 29.3

203 17.8 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF140917.D

Acq: 18 Dec 2024 20:15

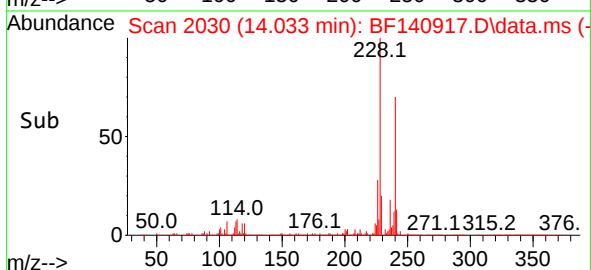
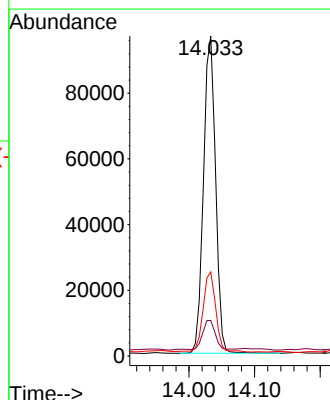
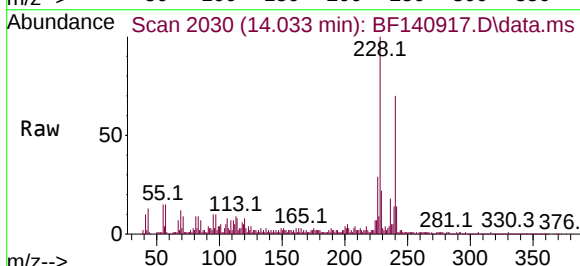
Tgt Ion:240 Resp: 124212

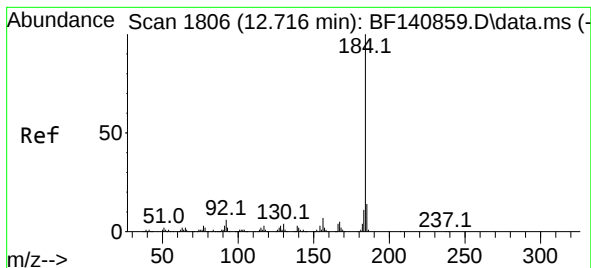
Ion Ratio Lower Upper

240 100

120 11.1 7.6 11.4

236 26.3 20.5 30.7





#77

Benzidine

Concen: 24.974 ng

RT: 12.721 min Scan# 1807

Delta R.T. 0.005 min

Lab File: BF140917.D

Acq: 18 Dec 2024 20:15

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MS

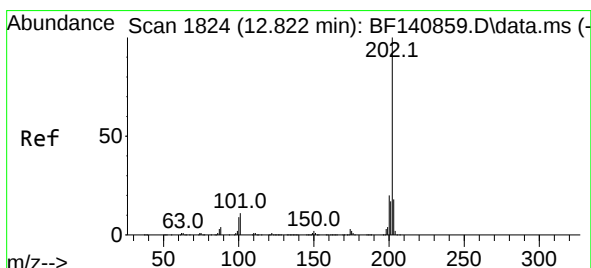
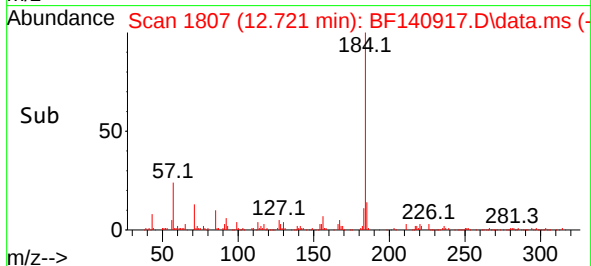
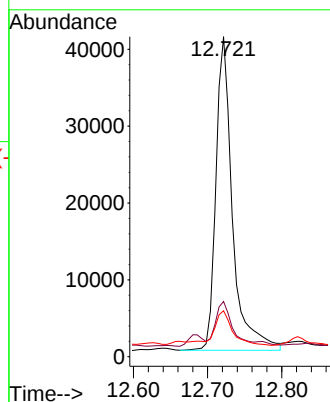
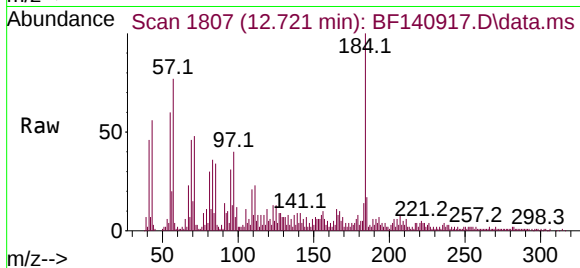
Tgt Ion:184 Resp: 63311

Ion Ratio Lower Upper

184 100

185 17.3 11.1 16.7#

183 14.3 9.0 13.4#



#78

Pyrene

Concen: 63.516 ng

RT: 12.827 min Scan# 1825

Delta R.T. 0.006 min

Lab File: BF140917.D

Acq: 18 Dec 2024 20:15

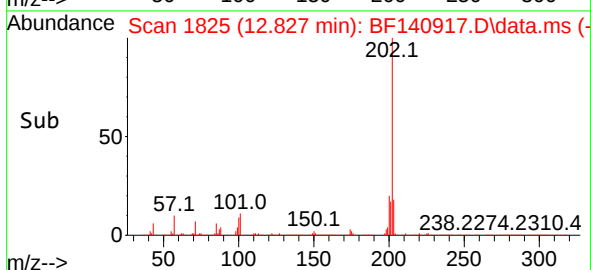
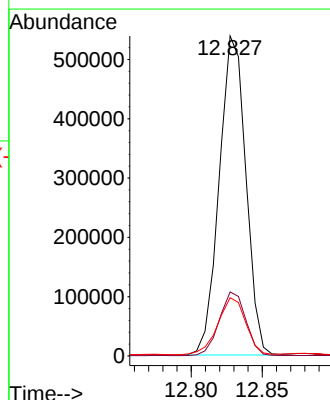
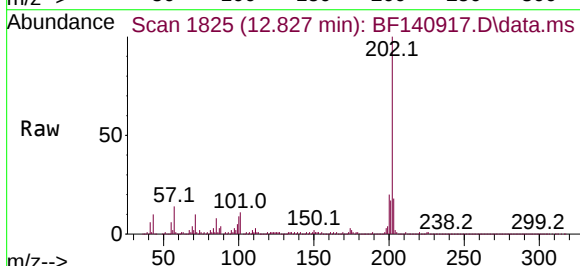
Tgt Ion:202 Resp: 701570

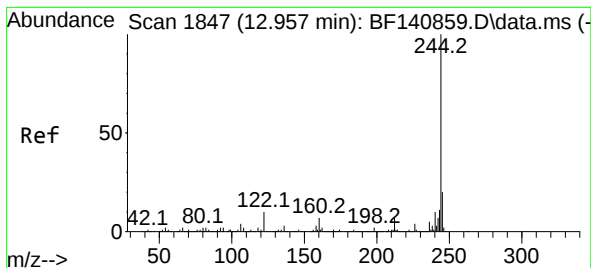
Ion Ratio Lower Upper

202 100

200 20.0 16.1 24.1

203 18.2 14.2 21.4





#79

Terphenyl-d14

Concen: 65.142 ng

RT: 12.963 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF140917.D

Acq: 18 Dec 2024 20:15

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MS

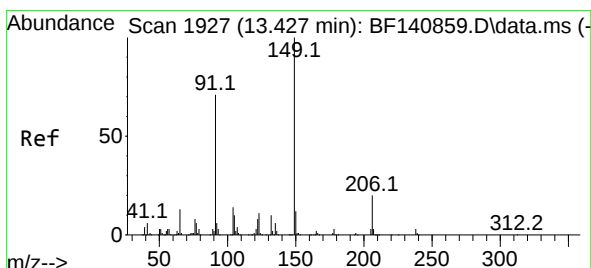
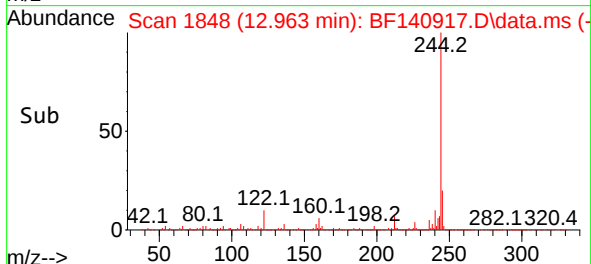
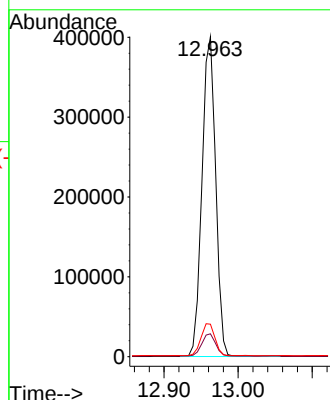
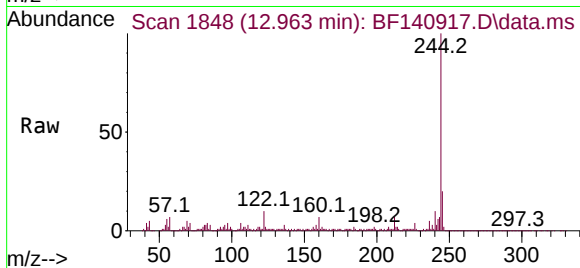
Tgt Ion:244 Resp: 513134

Ion Ratio Lower Upper

244 100

212 7.2 5.6 8.4

122 10.2 8.2 12.2



#80

Butylbenzylphthalate

Concen: 54.497 ng

RT: 13.433 min Scan# 1928

Delta R.T. 0.006 min

Lab File: BF140917.D

Acq: 18 Dec 2024 20:15

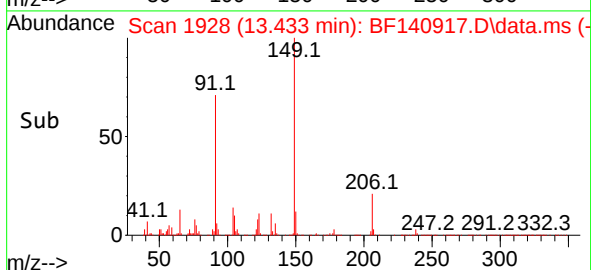
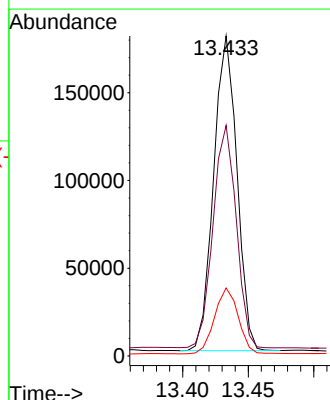
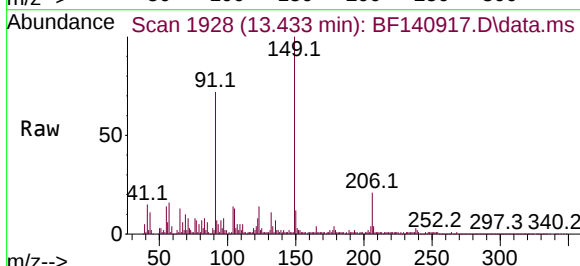
Tgt Ion:149 Resp: 221492

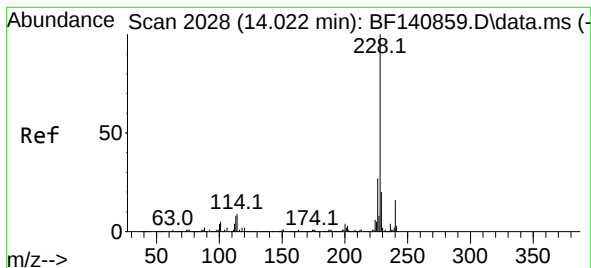
Ion Ratio Lower Upper

149 100

91 72.1 56.7 85.1

206 21.3 16.4 24.6





#81

Benzo(a)anthracene

Concen: 54.196 ng

RT: 14.021 min Scan# 2028

Delta R.T. -0.000 min

Lab File: BF140917.D

Acq: 18 Dec 2024 20:15

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MS

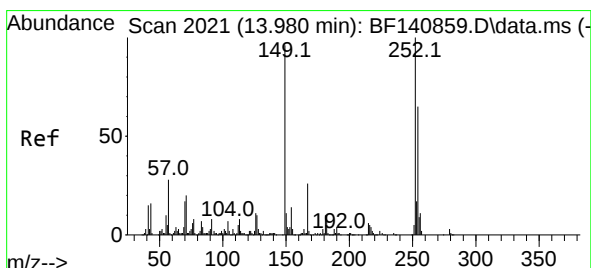
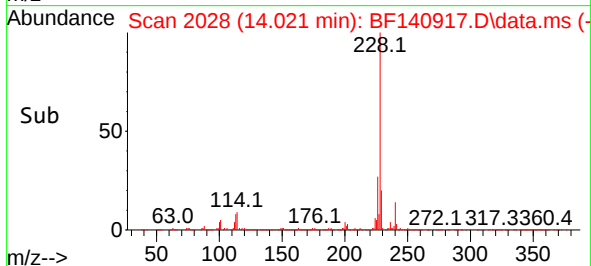
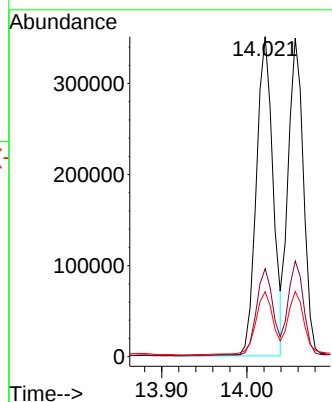
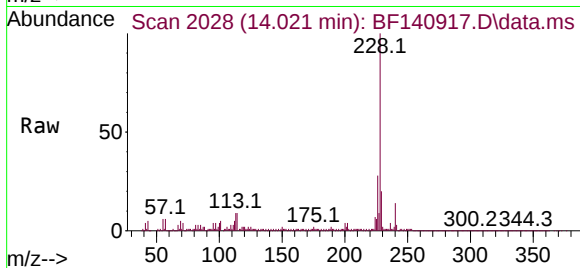
Tgt Ion:228 Resp: 477105

Ion Ratio Lower Upper

228 100

226 27.5 21.8 32.8

229 20.3 15.8 23.8



#82

3,3'-Dichlorobenzidine

Concen: 29.356 ng

RT: 13.980 min Scan# 2021

Delta R.T. -0.000 min

Lab File: BF140917.D

Acq: 18 Dec 2024 20:15

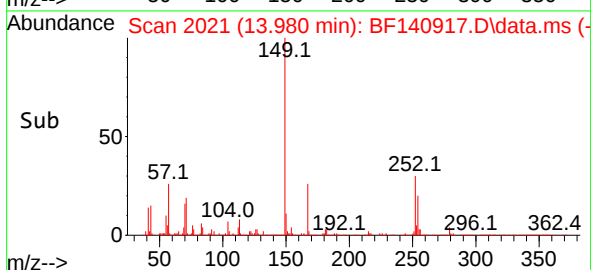
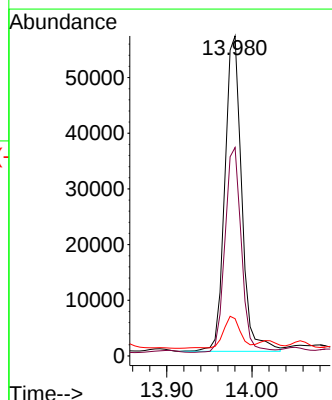
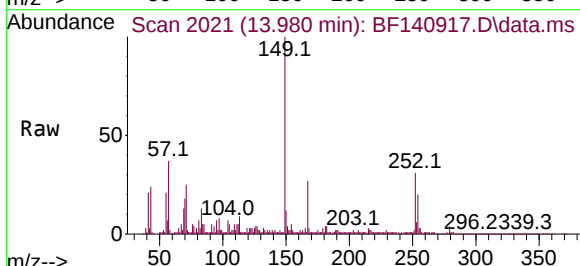
Tgt Ion:252 Resp: 77970

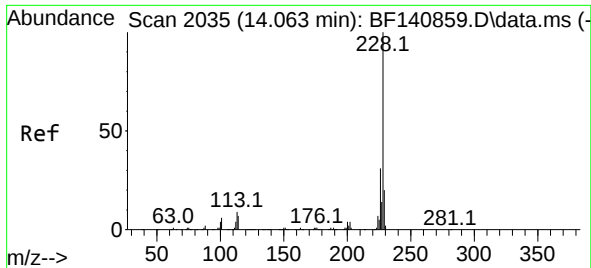
Ion Ratio Lower Upper

252 100

254 65.2 52.3 78.5

126 11.6 8.4 12.6





#83

Chrysene

Concen: 53.792 ng

RT: 14.057 min Scan# 2035

Delta R.T. -0.006 min

Lab File: BF140917.D

Acq: 18 Dec 2024 20:15

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MS

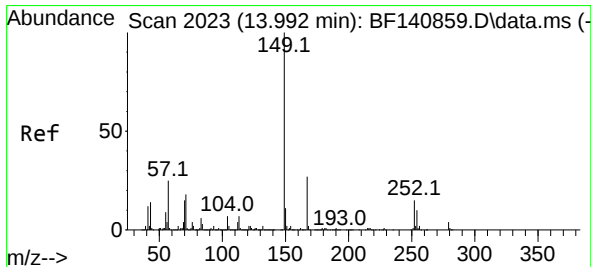
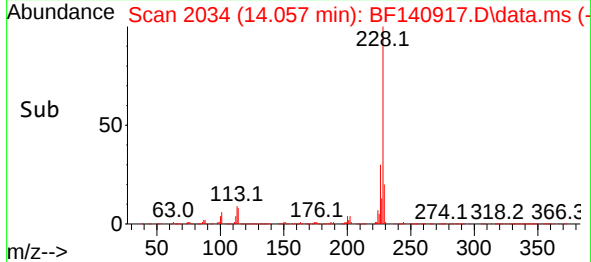
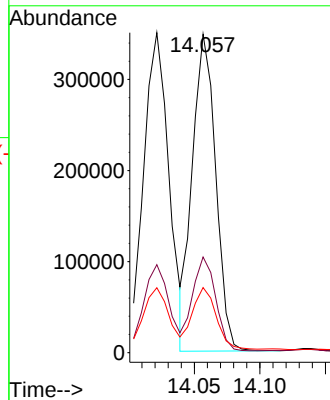
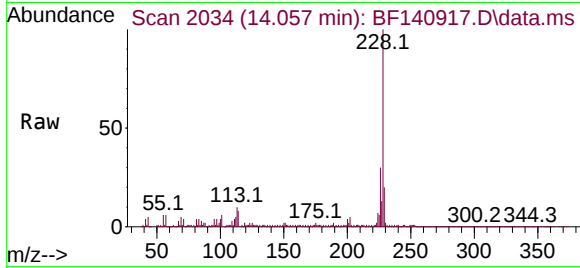
Tgt Ion:228 Resp: 430613

Ion Ratio Lower Upper

228 100

226 30.1 24.1 36.1

229 20.5 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 66.469 ng

RT: 13.986 min Scan# 2022

Delta R.T. -0.006 min

Lab File: BF140917.D

Acq: 18 Dec 2024 20:15

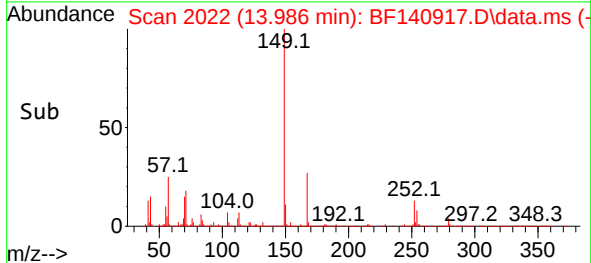
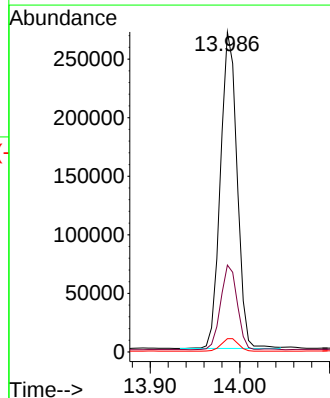
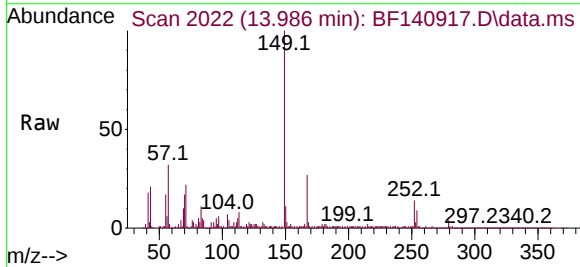
Tgt Ion:149 Resp: 348334

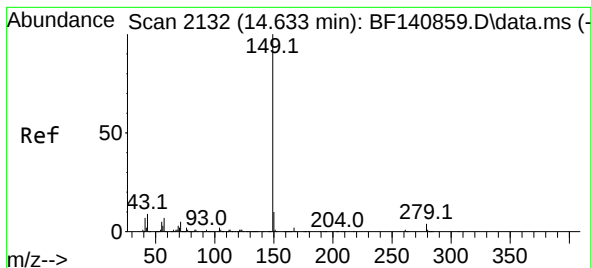
Ion Ratio Lower Upper

149 100

167 27.2 21.8 32.8

279 4.1 3.5 5.3





#85

Di-n-octyl phthalate

Concen: 55.930 ng

RT: 14.604 min Scan# 21

Delta R.T. -0.030 min

Lab File: BF140917.D

Acq: 18 Dec 2024 20:15

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MS

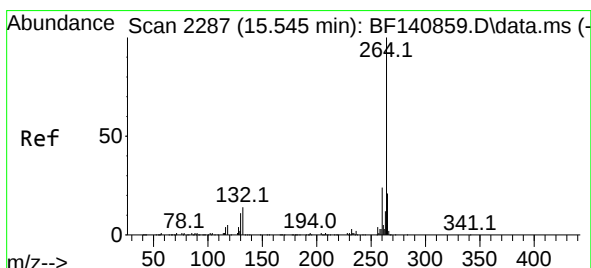
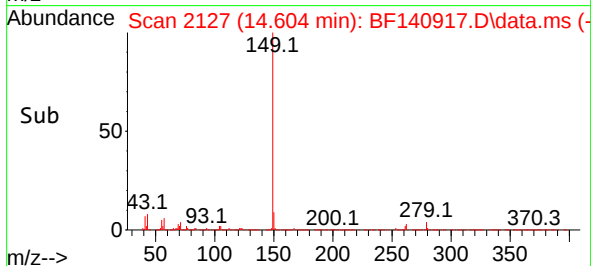
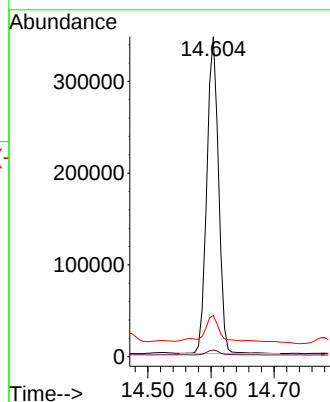
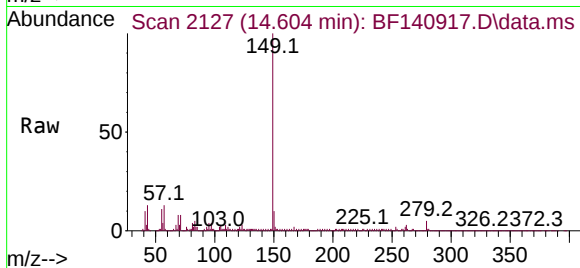
Tgt Ion:149 Resp: 443432

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 9.6 7.0 10.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.515 min Scan# 2282

Delta R.T. -0.030 min

Lab File: BF140917.D

Acq: 18 Dec 2024 20:15

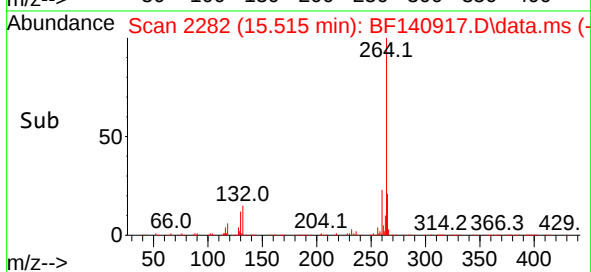
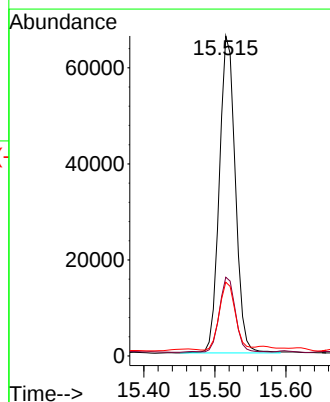
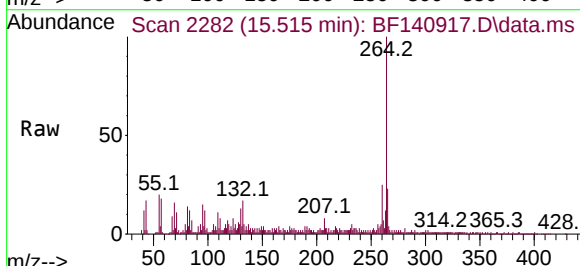
Tgt Ion:264 Resp: 102846

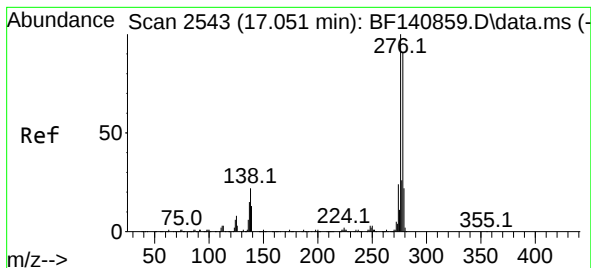
Ion Ratio Lower Upper

264 100

260 24.6 19.1 28.7

265 23.1 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 48.710 ng

RT: 17.033 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF140917.D

Acq: 18 Dec 2024 20:15

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MS

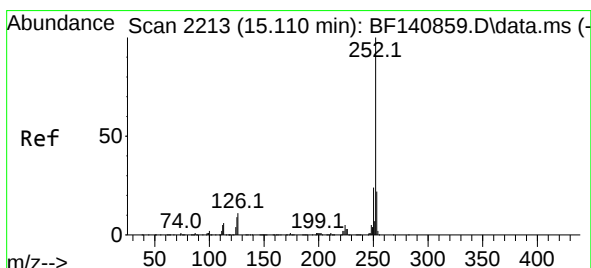
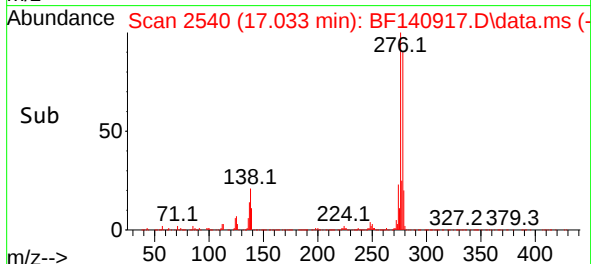
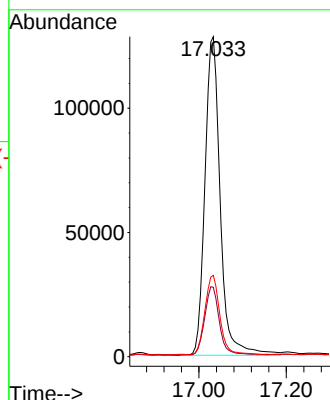
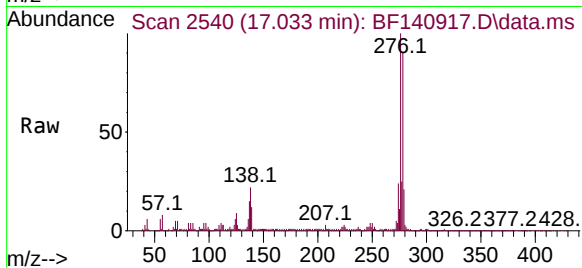
Tgt Ion:276 Resp: 312622

Ion Ratio Lower Upper

276 100

138 20.6 16.9 25.3

277 24.5 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 40.505 ng

RT: 15.110 min Scan# 2213

Delta R.T. -0.000 min

Lab File: BF140917.D

Acq: 18 Dec 2024 20:15

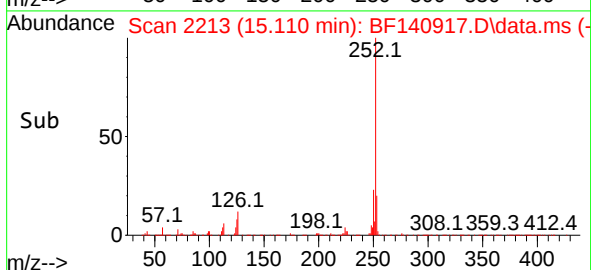
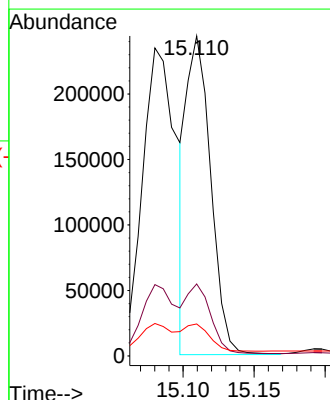
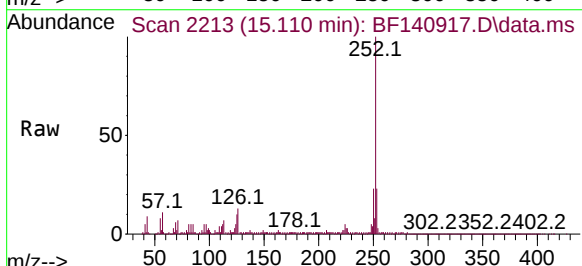
Tgt Ion:252 Resp: 289164

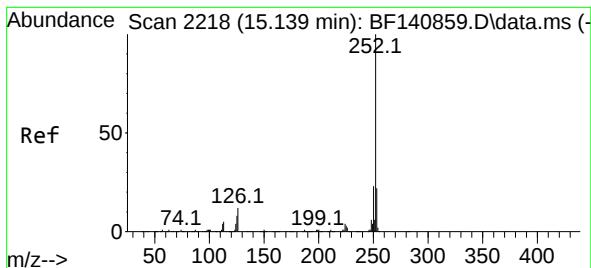
Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

125 10.0 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 47.227 ng

RT: 15.110 min Scan# 21

Delta R.T. -0.030 min

Lab File: BF140917.D

Acq: 18 Dec 2024 20:15

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MS

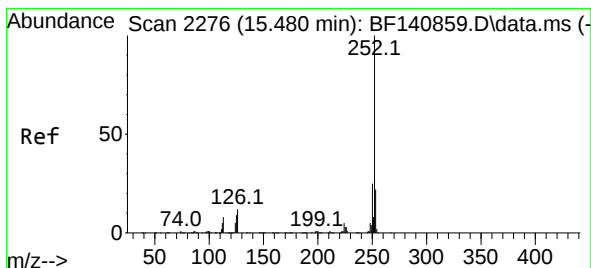
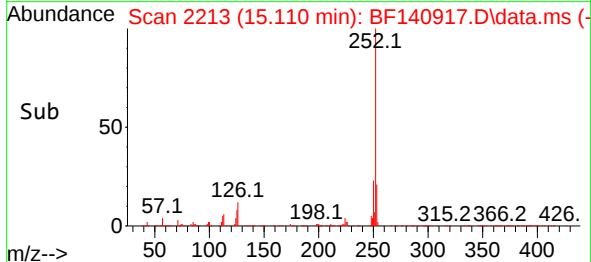
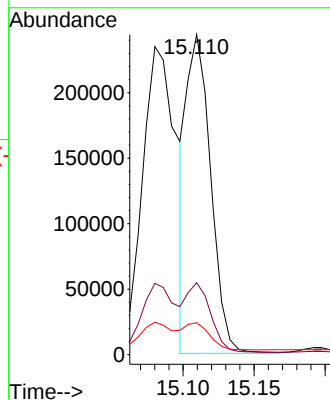
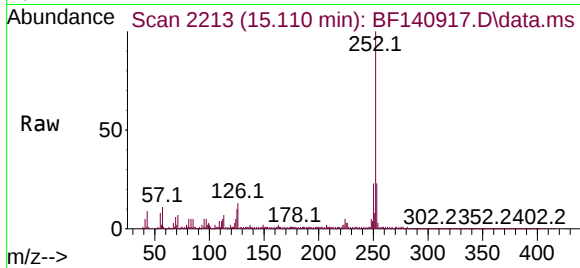
Tgt Ion:252 Resp: 289213

Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

125 10.0 6.8 10.2



#90

Benzo(a)pyrene

Concen: 55.162 ng

RT: 15.457 min Scan# 2272

Delta R.T. -0.024 min

Lab File: BF140917.D

Acq: 18 Dec 2024 20:15

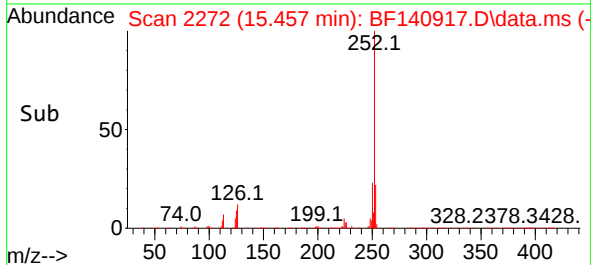
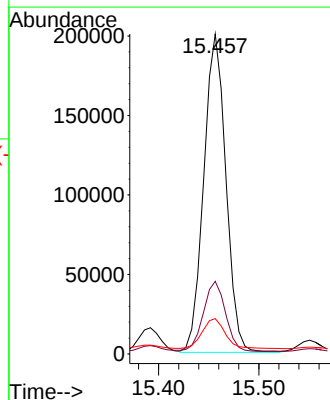
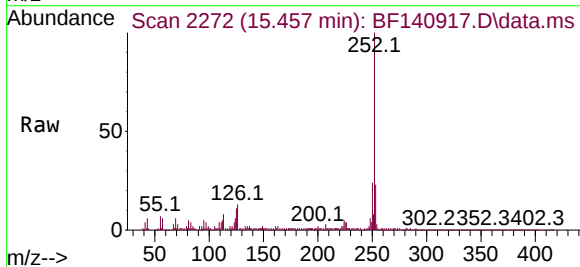
Tgt Ion:252 Resp: 308362

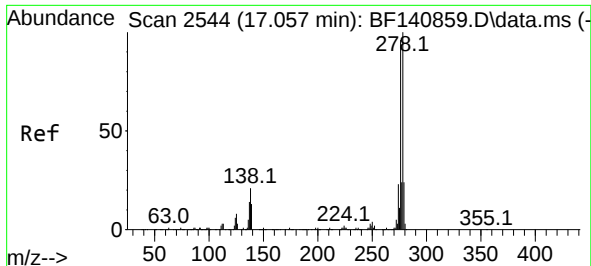
Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

125 11.0 7.5 11.3

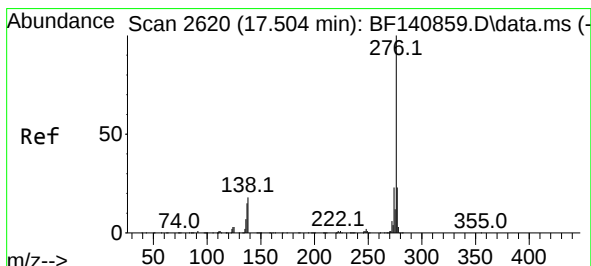
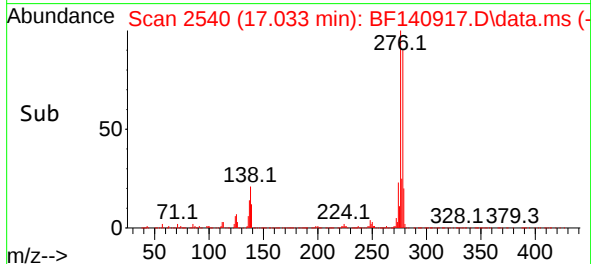
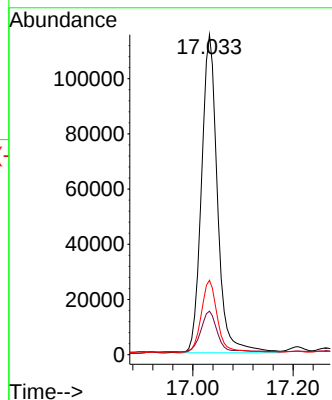
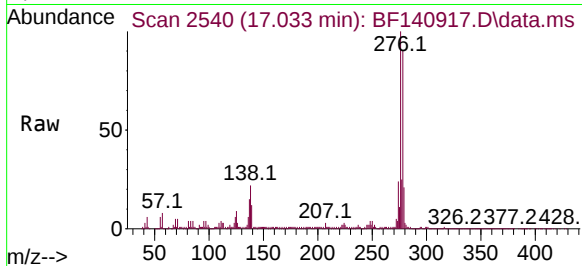




#91
Dibenzo(a,h)anthracene
Concen: 48.065 ng
RT: 17.033 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF140917.D
Acq: 18 Dec 2024 20:15

Instrument :
BNA_F
ClientSampleId :
HR-04-121624MS

Tgt Ion:278 Resp: 255561
Ion Ratio Lower Upper
278 100
139 13.6 10.6 16.0
279 23.3 19.2 28.8



#92
Benzo(g,h,i)perylene
Concen: 47.155 ng
RT: 17.486 min Scan# 2617
Delta R.T. -0.018 min
Lab File: BF140917.D
Acq: 18 Dec 2024 20:15

Tgt Ion:276 Resp: 255177
Ion Ratio Lower Upper
276 100
277 24.2 18.7 28.1
138 17.8 14.2 21.2

