

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121824\
 Data File : BF140918.D
 Acq On : 18 Dec 2024 20:41
 Operator : RC/JU
 Sample : P5301-03MSDRE
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-04-121624MSD

Quant Time: Dec 19 00:18:32 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	73126	20.000	ng	0.00
21) Naphthalene-d8	8.133	136	251394	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	136413	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	216508	20.000	ng	# 0.00
76) Chrysene-d12	14.033	240	109017	20.000	ng	# 0.00
86) Perylene-d12	15.521	264	98427	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	534727	120.376	ng	0.00
7) Phenol-d6	6.504	99	627616	106.671	ng	0.00
23) Nitrobenzene-d5	7.416	82	362221	72.087	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	153379	95.067	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	719008	72.466	ng	0.00
79) Terphenyl-d14	12.963	244	552869	79.969	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.634	88	68954	36.038	ng	99
3) Pyridine	3.422	79	183279	41.362	ng	99
4) n-Nitrosodimethylamine	3.369	42	100620	45.044	ng	97
6) Aniline	6.516	93	122426	24.336	ng	# 28
8) 2-Chlorophenol	6.645	128	242852	50.133	ng	98
9) Benzaldehyde	6.404	77	52765	16.185	ng	95
10) Phenol	6.522	94	304001	49.853	ng	86
11) bis(2-Chloroethyl)ether	6.587	93	231142	50.827	ng	99
12) 1,3-Dichlorobenzene	6.792	146	258339	46.802	ng	98
13) 1,4-Dichlorobenzene	6.869	146	261290	46.634	ng	100
14) 1,2-Dichlorobenzene	7.022	146	256264	48.475	ng	98
15) Benzyl Alcohol	7.004	79	228322	54.274	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.122	45	295642	55.186	ng	88
17) 2-Methylphenol	7.122	107	204447	52.863	ng	98
18) Hexachloroethane	7.357	117	85134	40.815	ng	99
19) n-Nitroso-di-n-propyla...	7.269	70	198651	56.286	ng	98
20) 3+4-Methylphenols	7.281	107	287679	56.095	ng	# 69
22) Acetophenone	7.263	105	395874	62.950	ng	94
24) Nitrobenzene	7.439	77	232443	45.155	ng	98
25) Isophorone	7.675	82	417859	49.631	ng	99
26) 2-Nitrophenol	7.751	139	117118	49.399	ng	97
27) 2,4-Dimethylphenol	7.798	122	167909	60.643	ng	99
28) bis(2-Chloroethoxy)met...	7.881	93	260478	49.535	ng	97
29) 2,4-Dichlorophenol	8.010	162	187226	48.979	ng	100
30) 1,2,4-Trichlorobenzene	8.075	180	201871	46.068	ng	100
31) Naphthalene	8.157	128	674416	48.838	ng	100
32) Benzoic acid	7.945	122	100759	38.371	ng	# 84
33) 4-Chloroaniline	8.216	127	74793	16.307	ng	98
34) Hexachlorobutadiene	8.263	225	137455	46.622	ng	98
35) Caprolactam	8.592	113	47014	41.312	ng	# 87
36) 4-Chloro-3-methylphenol	8.710	107	201573	46.851	ng	99
37) 2-Methylnaphthalene	8.845	142	454263	49.728	ng	100
38) 1-Methylnaphthalene	8.945	142	415830	46.028	ng	100
40) 1,2,4,5-Tetrachloroben...	9.016	216	214802	51.231	ng	99
41) Hexachlorocyclopentadiene	8.992	237	3597	4.323	ng	88
43) 2,4,6-Trichlorophenol	9.133	196	132121	51.461	ng	98

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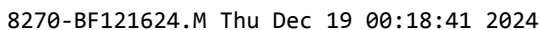
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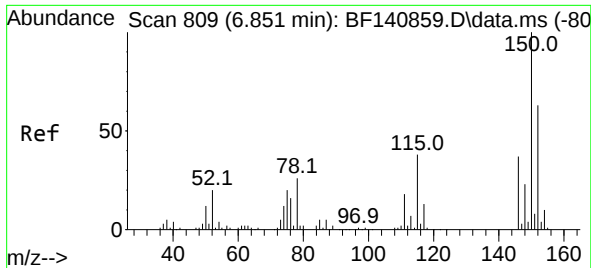
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	133239	47.216	ng	96
46) 1,1'-Biphenyl	9.310	154	571916	52.724	ng	100
47) 2-Chloronaphthalene	9.339	162	407248	49.076	ng	99
48) 2-Nitroaniline	9.445	65	129234	51.565	ng	96
49) Acenaphthylene	9.751	152	618412	50.710	ng	99
50) Dimethylphthalate	9.610	163	504659	52.473	ng	99
51) 2,6-Dinitrotoluene	9.680	165	106143	48.277	ng	98
52) Acenaphthene	9.922	154	389814	50.041	ng	99
53) 3-Nitroaniline	9.857	138	71998	32.998	ng	# 96
54) 2,4-Dinitrophenol	9.980	184	22722	25.990	ng	89
55) Dibenzofuran	10.098	168	528904	43.816	ng	99
56) 4-Nitrophenol	10.045	139	92309	78.726	ng	92
57) 2,4-Dinitrotoluene	10.092	165	118480	40.957	ng	# 98
58) Fluorene	10.439	166	429445	43.124	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.227	232	95302	41.446	ng	# 85
60) Diethylphthalate	10.310	149	439069	44.026	ng	99
61) 4-Chlorophenyl-phenyle...	10.427	204	214224	42.825	ng	99
62) 4-Nitroaniline	10.475	138	78813	34.566	ng	98
63) Azobenzene	10.592	77	430826	45.951	ng	94
65) 4,6-Dinitro-2-methylph...	10.510	198	21537	17.555	ng	# 50
66) n-Nitrosodiphenylamine	10.551	169	369774	55.550	ng	99
67) 4-Bromophenyl-phenylether	10.922	248	123179	50.856	ng	98
68) Hexachlorobenzene	10.992	284	135124	49.204	ng	96
69) Atrazine	11.080	200	124344	66.883	ng	97
70) Pentachlorophenol	11.198	266	107001	106.572	ng	98
71) Phenanthrene	11.410	178	703849	63.218	ng	99
72) Anthracene	11.463	178	604295	55.113	ng	99
73) Carbazole	11.616	167	539705	50.254	ng	98
74) Di-n-butylphthalate	11.933	149	581923	46.169	ng	100
75) Fluoranthene	12.598	202	745943	58.175	ng	99
77) Benzidine	12.721	184	92588	41.613	ng	# 92
78) Pyrene	12.833	202	756898	78.076	ng	100
80) Butylbenzylphthalate	13.433	149	231928	65.019	ng	98
81) Benzo(a)anthracene	14.021	228	444776	57.566	ng	98
82) 3,3'-Dichlorobenzidine	13.980	252	81613	35.011	ng	98
83) Chrysene	14.063	228	415302	59.110	ng	99
84) Bis(2-ethylhexyl)phtha...	13.992	149	341965	74.348	ng	99
85) Di-n-octyl phthalate	14.604	149	469411	67.459	ng	97
87) Indeno(1,2,3-cd)pyrene	17.033	276	320694	52.211	ng	96
88) Benzo(b)fluoranthene	15.086	252	361994	52.983	ng	98
89) Benzo(k)fluoranthene	15.086	252	361994	61.766	ng	97
90) Benzo(a)pyrene	15.457	252	316678	59.193	ng	# 98
91) Dibenzo(a,h)anthracene	17.039	278	255636	50.238	ng	99
92) Benzo(g,h,i)perylene	17.492	276	235462	45.465	ng	98

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

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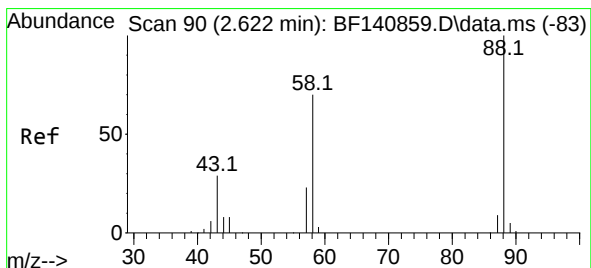
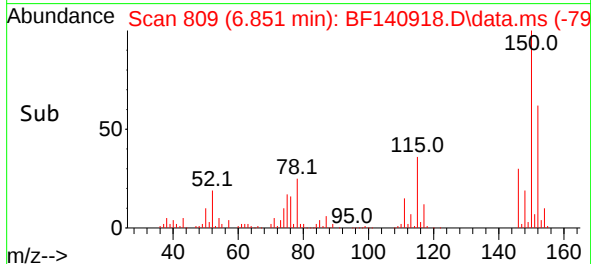
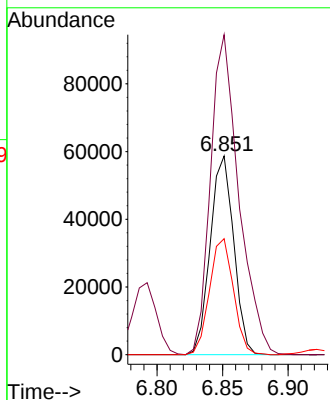
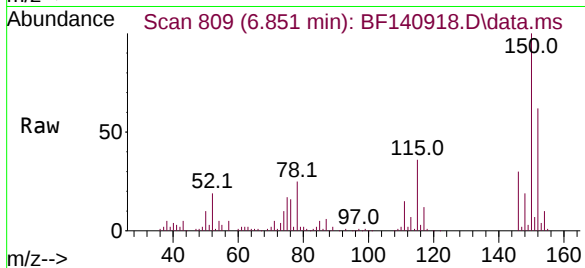




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.851 min Scan# 809
 Delta R.T. 0.000 min
 Lab File: BF140918.D
 Acq: 18 Dec 2024 20:41

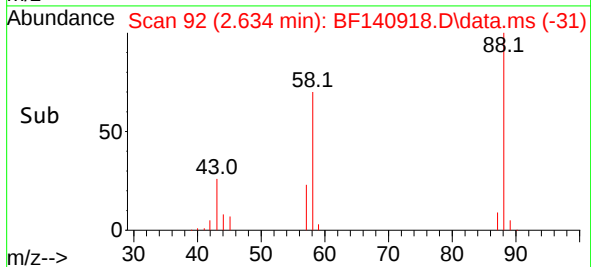
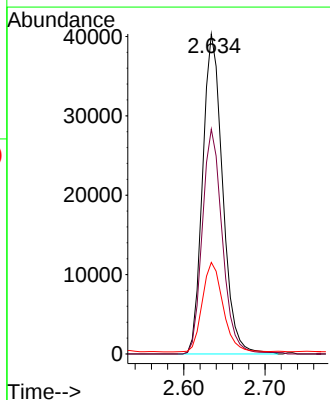
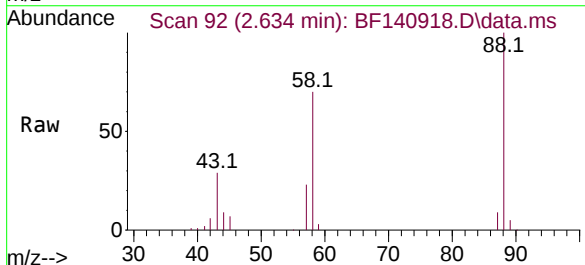
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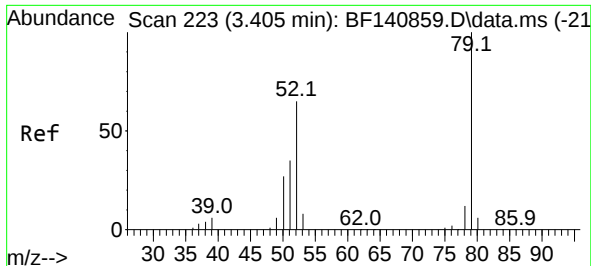
Tgt Ion:152 Resp: 73126
 Ion Ratio Lower Upper
 152 100
 150 161.1 127.9 191.9
 115 58.4 48.0 72.0



#2
 1,4-Dioxane
 Concen: 36.038 ng
 RT: 2.634 min Scan# 92
 Delta R.T. 0.012 min
 Lab File: BF140918.D
 Acq: 18 Dec 2024 20:41

Tgt Ion: 88 Resp: 68954
 Ion Ratio Lower Upper
 88 100
 58 70.4 55.8 83.8
 43 29.0 22.7 34.1

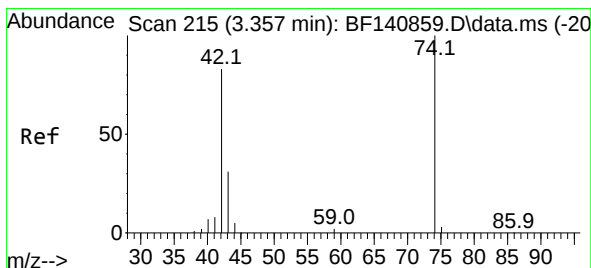
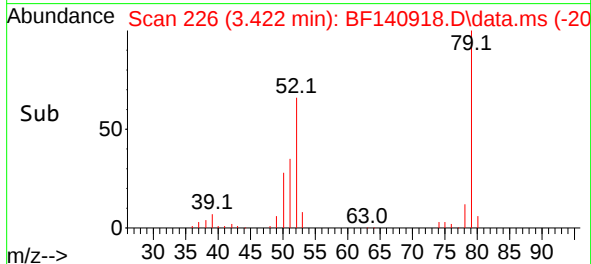
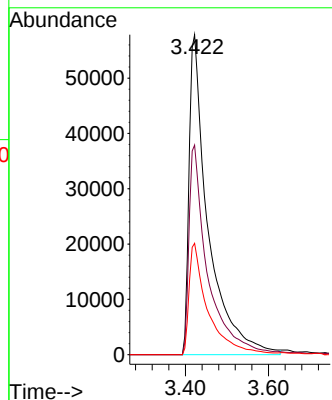
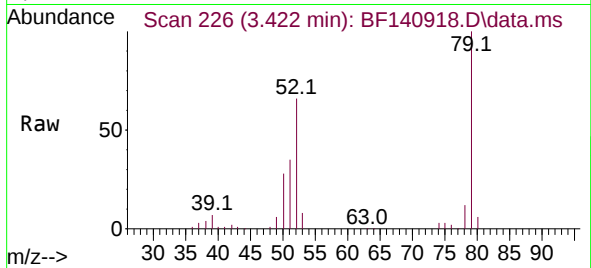




#3
Pyridine
Concen: 41.362 ng
RT: 3.422 min Scan# 217
Delta R.T. 0.017 min
Lab File: BF140918.D
Acq: 18 Dec 2024 20:41

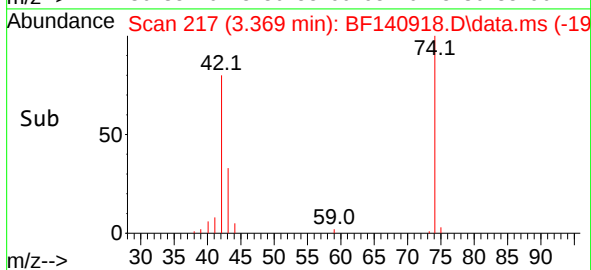
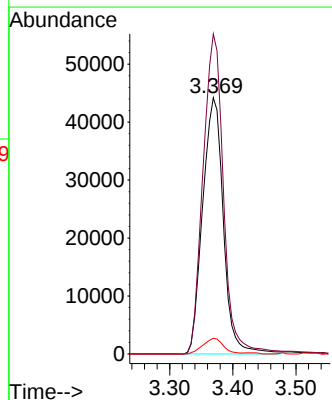
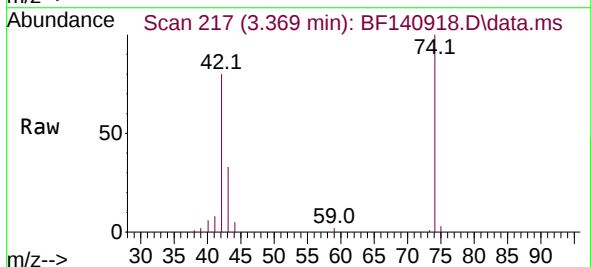
Instrument :
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ClientSampleId :
HR-04-121624MSD

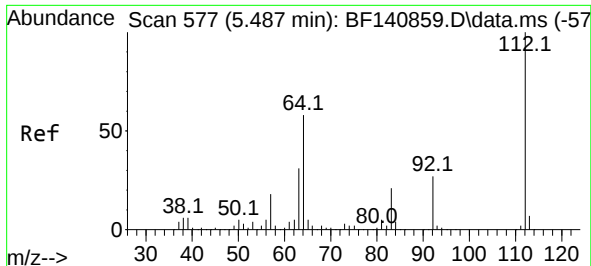
Tgt Ion: 79 Resp: 183279
Ion Ratio Lower Upper
79 100
52 65.5 51.7 77.5
51 34.8 28.2 42.4



#4
n-Nitrosodimethylamine
Concen: 45.044 ng
RT: 3.369 min Scan# 217
Delta R.T. 0.012 min
Lab File: BF140918.D
Acq: 18 Dec 2024 20:41

Tgt Ion: 42 Resp: 100620
Ion Ratio Lower Upper
42 100
74 124.8 96.9 145.3
44 6.1 4.4 6.6

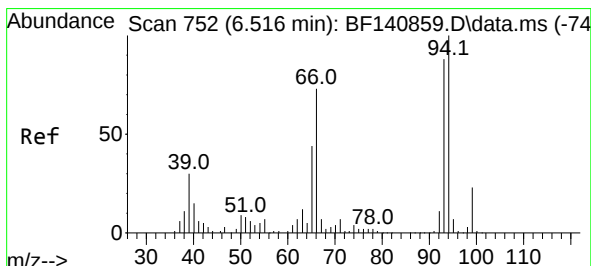
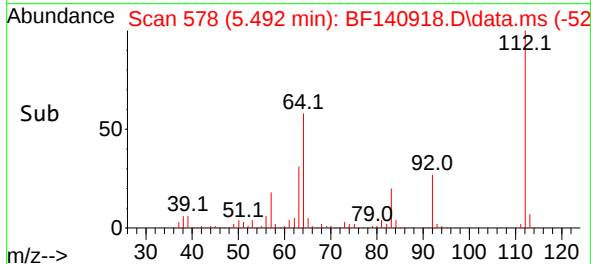
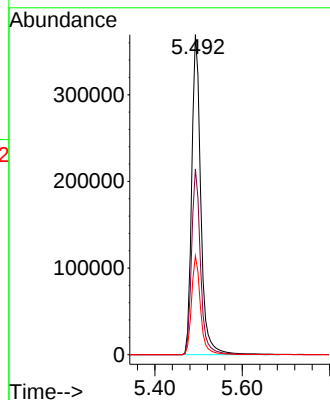
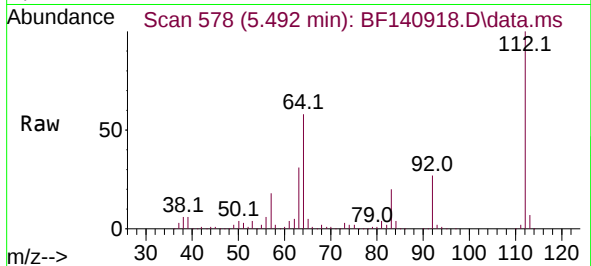




#5
2-Fluorophenol
Concen: 120.376 ng
RT: 5.492 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF140918.D
Acq: 18 Dec 2024 20:41

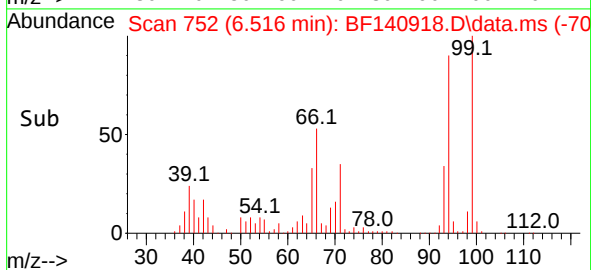
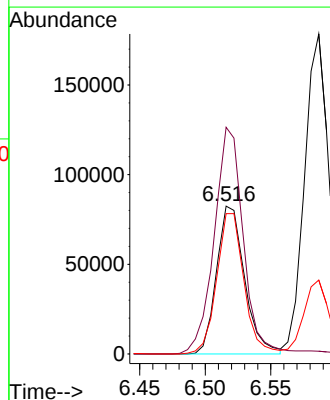
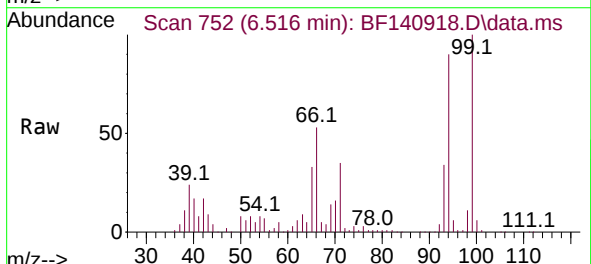
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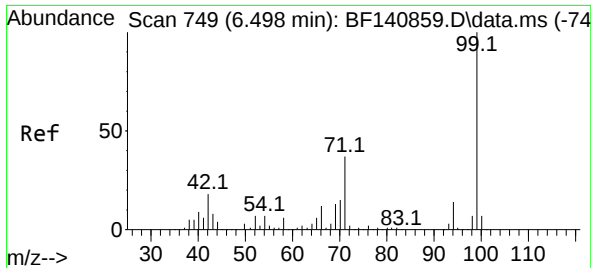
Tgt Ion:112 Resp: 534727
Ion Ratio Lower Upper
112 100
64 58.0 46.1 69.1
63 30.8 24.9 37.3



#6
Aniline
Concen: 24.336 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.000 min
Lab File: BF140918.D
Acq: 18 Dec 2024 20:41

Tgt Ion: 93 Resp: 122426
Ion Ratio Lower Upper
93 100
66 153.4 67.0 100.4#
65 94.9 40.4 60.6#

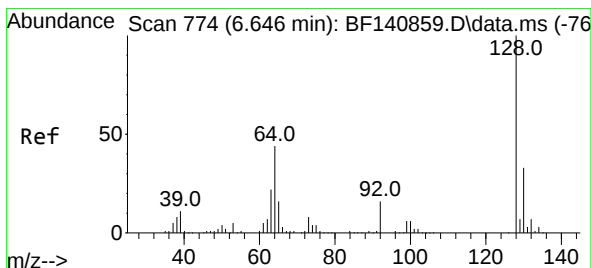
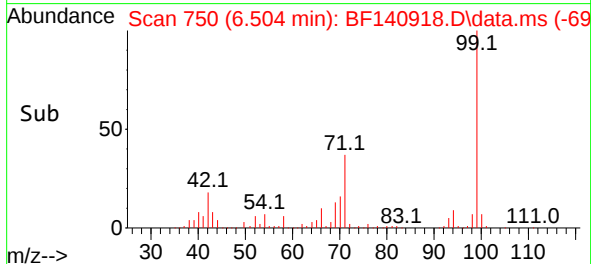
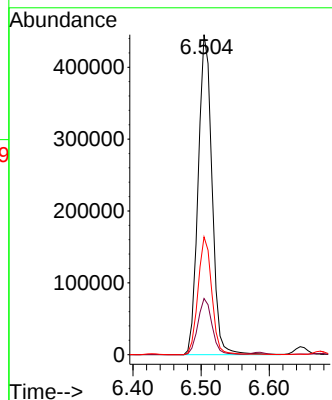
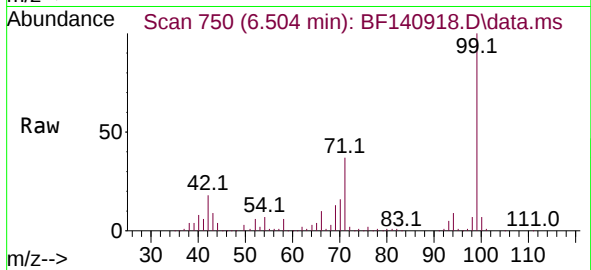




#7
Phenol-d6
Concen: 106.671 ng
RT: 6.504 min Scan# 711
Delta R.T. 0.006 min
Lab File: BF140918.D
Acq: 18 Dec 2024 20:41

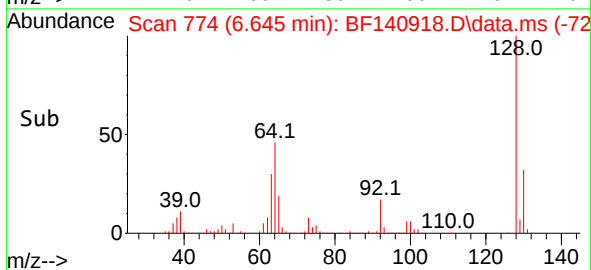
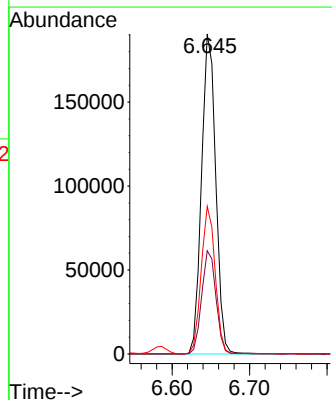
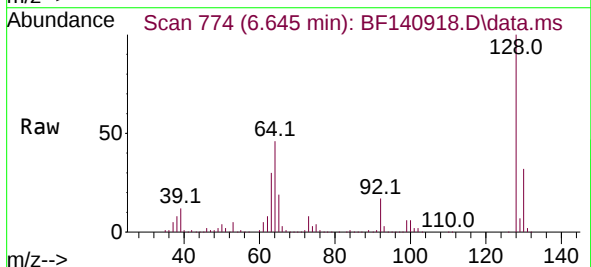
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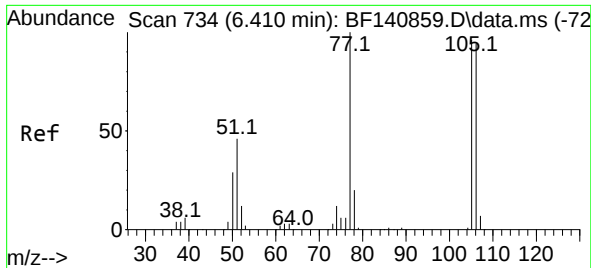
Tgt Ion: 99 Resp: 627616
Ion Ratio Lower Upper
99 100
42 17.5 14.3 21.5
71 36.8 29.9 44.9



#8
2-Chlorophenol
Concen: 50.133 ng
RT: 6.645 min Scan# 774
Delta R.T. -0.000 min
Lab File: BF140918.D
Acq: 18 Dec 2024 20:41

Tgt Ion:128 Resp: 242852
Ion Ratio Lower Upper
128 100
130 32.3 12.9 52.9
64 46.1 24.3 64.3





#9

Benzaldehyde

Concen: 16.185 ng

RT: 6.404 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF140918.D

Acq: 18 Dec 2024 20:41

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

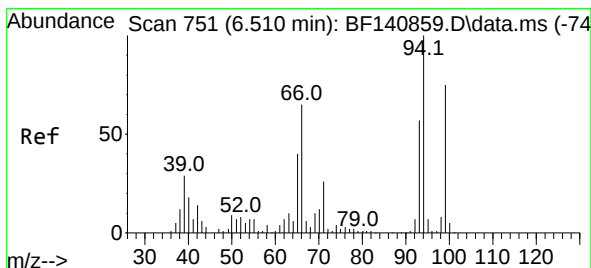
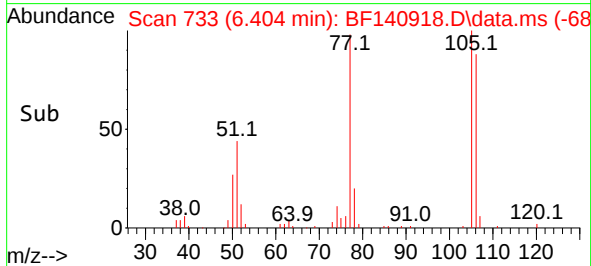
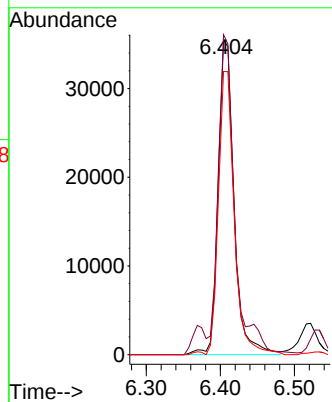
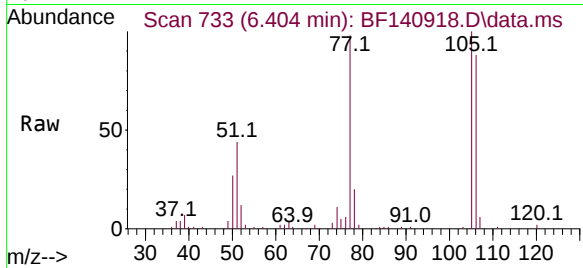
Tgt Ion: 77 Resp: 52765

Ion Ratio Lower Upper

77 100

105 101.8 75.8 115.8

106 90.1 74.1 114.1



#10

Phenol

Concen: 49.853 ng

RT: 6.522 min Scan# 753

Delta R.T. 0.012 min

Lab File: BF140918.D

Acq: 18 Dec 2024 20:41

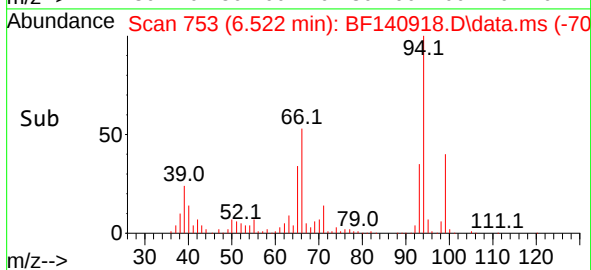
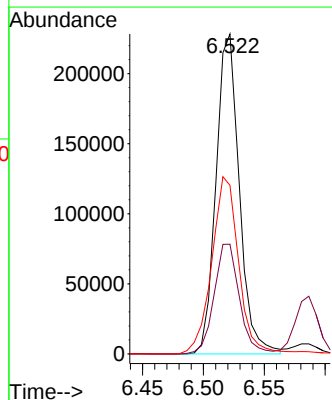
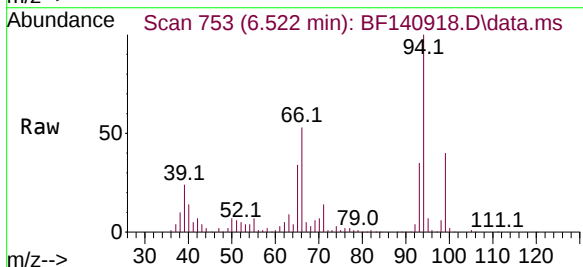
Tgt Ion: 94 Resp: 304001

Ion Ratio Lower Upper

94 100

65 34.3 19.9 59.9

66 52.7 45.6 85.6

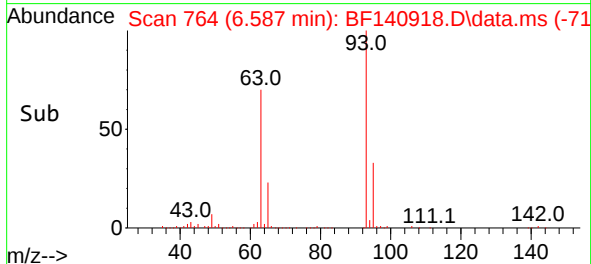
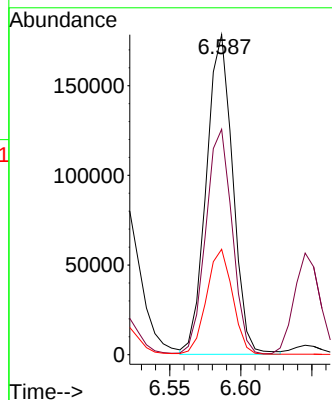
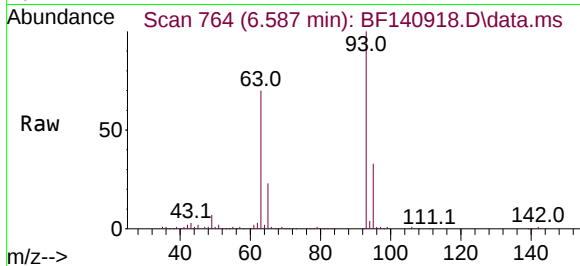




#11
bis(2-Chloroethyl)ether
Concen: 50.827 ng
RT: 6.587 min Scan# 764
Delta R.T. -0.000 min
Lab File: BF140918.D
Acq: 18 Dec 2024 20:41

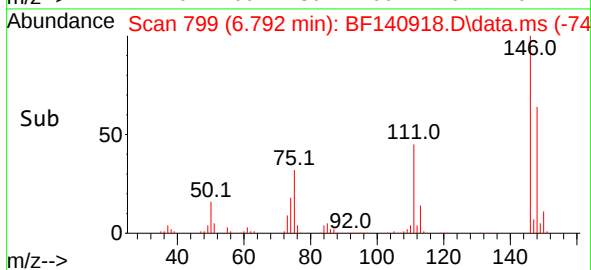
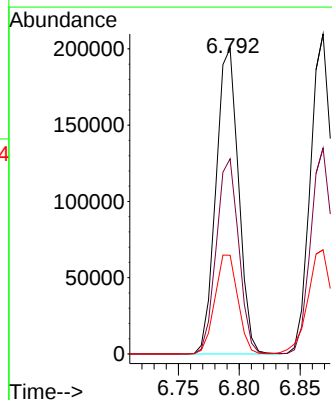
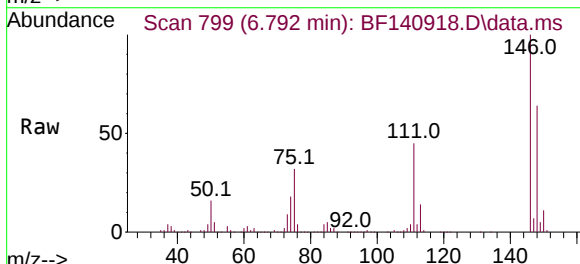
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

Tgt Ion: 93 Resp: 231142
Ion Ratio Lower Upper
93 100
63 70.5 51.0 91.0
95 32.9 12.0 52.0



#12
1,3-Dichlorobenzene
Concen: 46.802 ng
RT: 6.792 min Scan# 799
Delta R.T. 0.006 min
Lab File: BF140918.D
Acq: 18 Dec 2024 20:41

Tgt Ion:146 Resp: 258339
Ion Ratio Lower Upper
146 100
148 63.8 51.0 76.6
75 32.3 28.1 42.1





#13

1,4-Dichlorobenzene

Concen: 46.634 ng

RT: 6.869 min Scan# 812

Delta R.T. -0.000 min

Lab File: BF140918.D

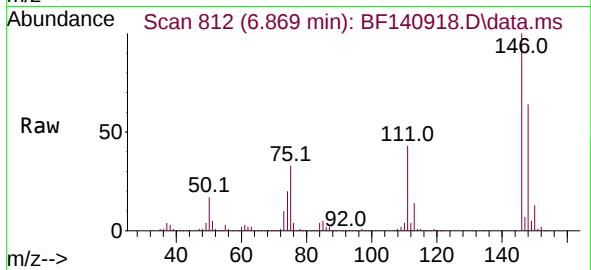
Acq: 18 Dec 2024 20:41

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD



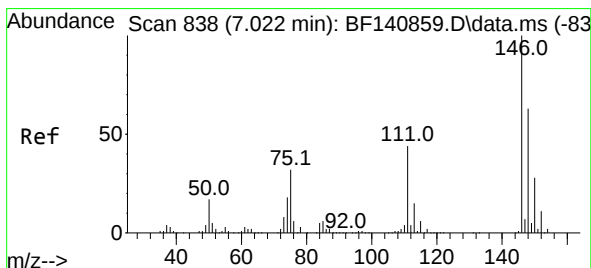
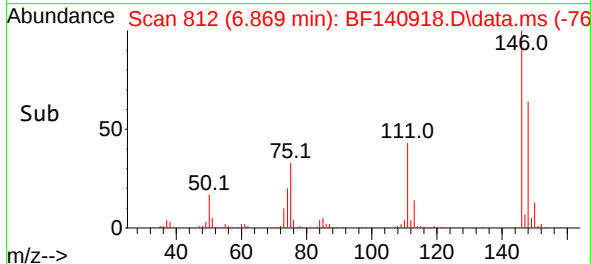
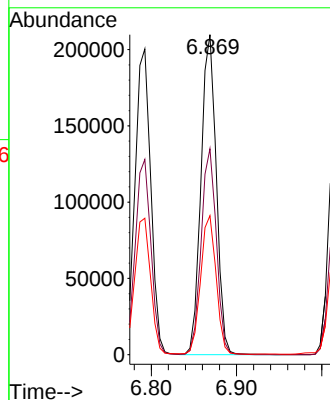
Tgt Ion:146 Resp: 261290

Ion Ratio Lower Upper

146 100

148 64.4 51.3 76.9

111 43.4 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 48.475 ng

RT: 7.022 min Scan# 838

Delta R.T. -0.000 min

Lab File: BF140918.D

Acq: 18 Dec 2024 20:41

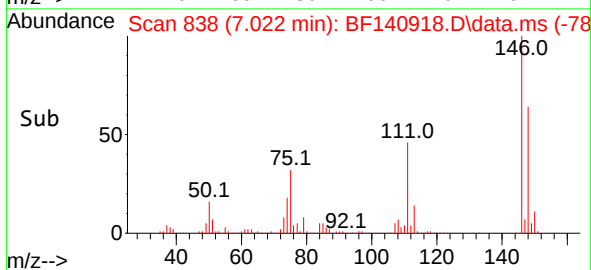
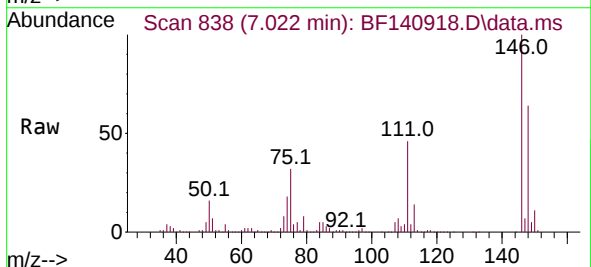
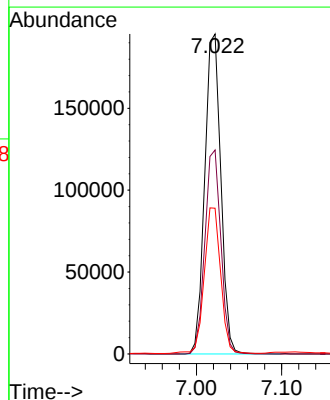
Tgt Ion:146 Resp: 256264

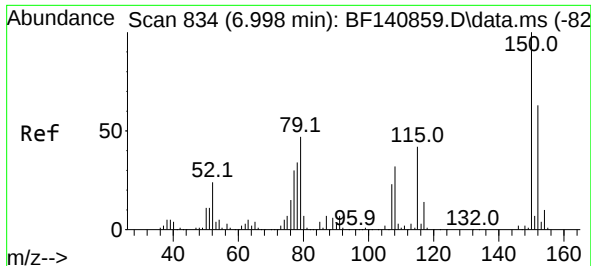
Ion Ratio Lower Upper

146 100

148 63.8 50.0 75.0

111 45.6 35.6 53.4

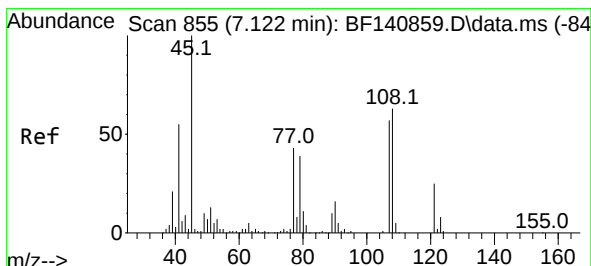
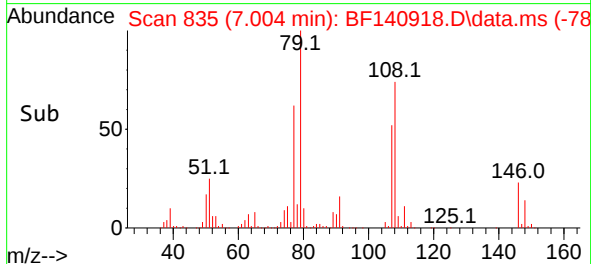
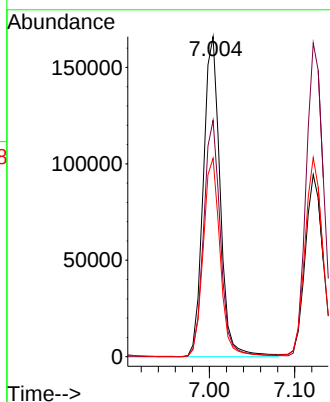
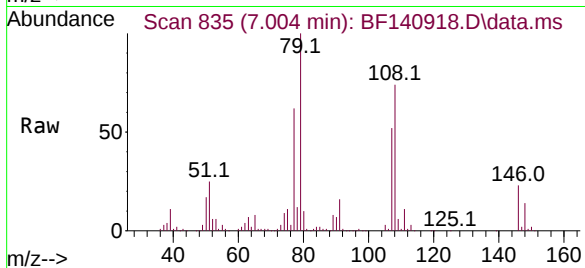




#15
Benzyl Alcohol
Concen: 54.274 ng
RT: 7.004 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF140918.D
Acq: 18 Dec 2024 20:41

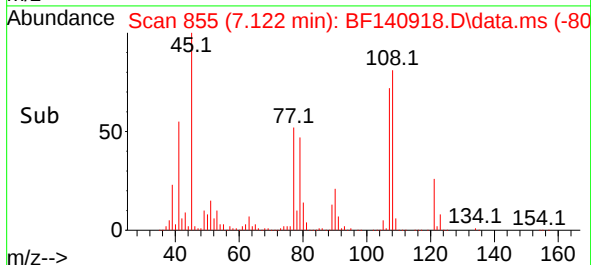
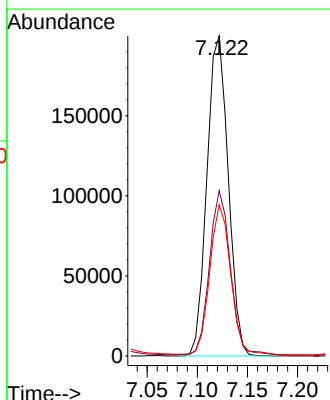
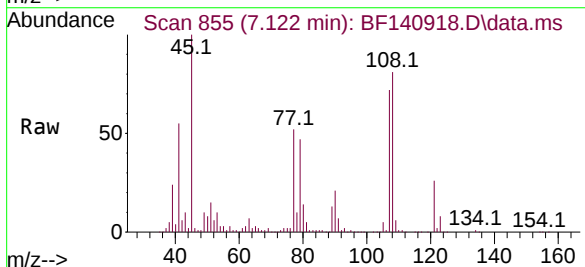
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

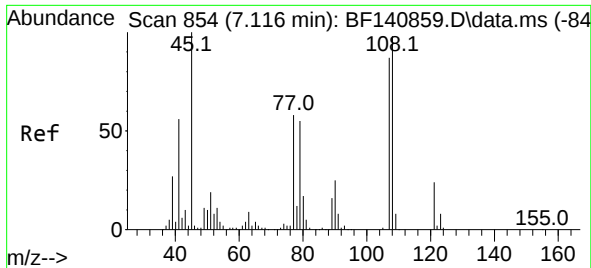
Tgt Ion: 79 Resp: 228322
Ion Ratio Lower Upper
79 100
108 73.8 55.1 82.7
77 62.0 50.6 76.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 55.186 ng
RT: 7.122 min Scan# 855
Delta R.T. -0.000 min
Lab File: BF140918.D
Acq: 18 Dec 2024 20:41

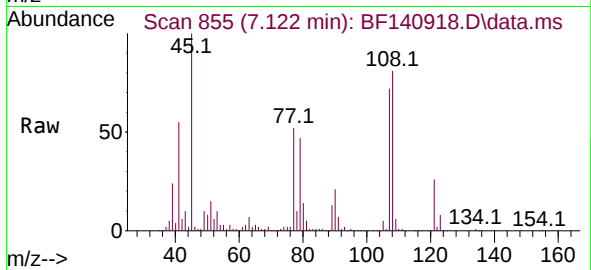
Tgt Ion: 45 Resp: 295642
Ion Ratio Lower Upper
45 100
77 51.7 23.3 63.3
79 47.2 20.0 60.0



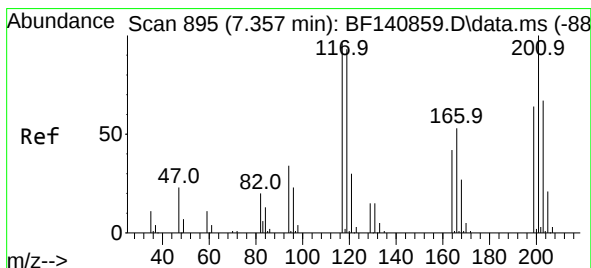
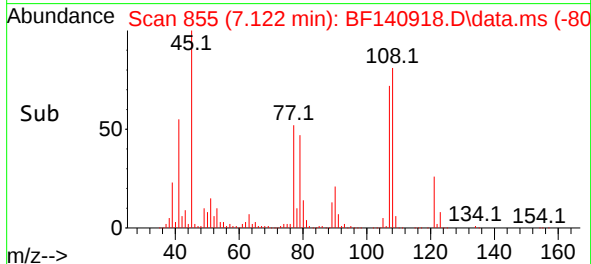
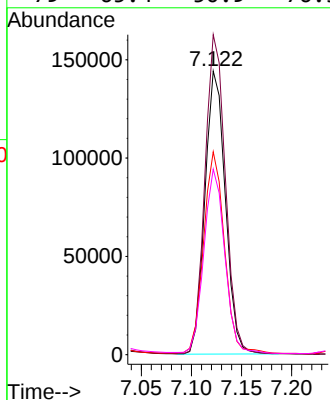


#17
2-Methylphenol
Concen: 52.863 ng
RT: 7.122 min Scan# 855
Delta R.T. 0.006 min
Lab File: BF140918.D
Acq: 18 Dec 2024 20:41

Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

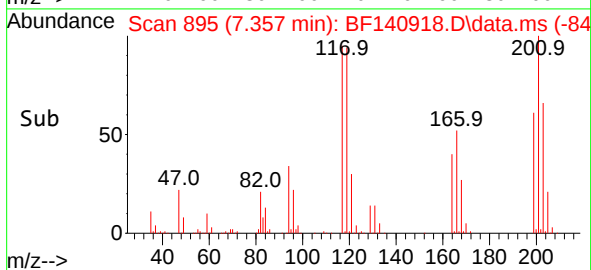
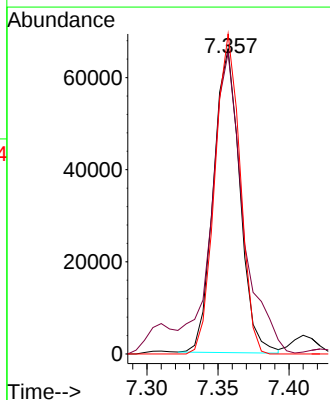
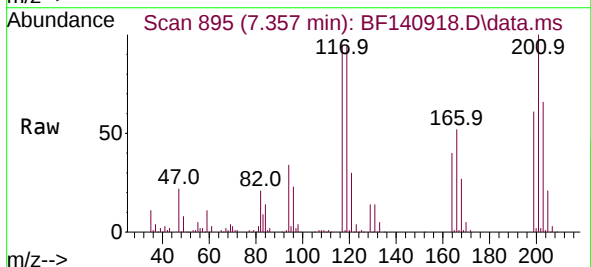


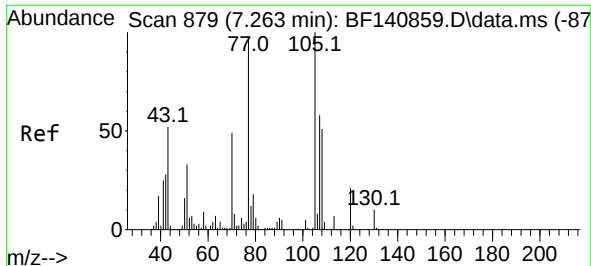
Tgt Ion:	107	Resp:	204447
Ion	Ratio	Lower	Upper
107	100		
108	112.8	90.2	135.4
77	71.5	53.8	80.6
79	65.4	50.9	76.3



#18
Hexachloroethane
Concen: 40.815 ng
RT: 7.357 min Scan# 895
Delta R.T. -0.000 min
Lab File: BF140918.D
Acq: 18 Dec 2024 20:41

Tgt Ion:	117	Resp:	85134
Ion	Ratio	Lower	Upper
117	100		
119	98.5	77.4	116.0
201	104.8	83.4	125.0





#19

n-Nitroso-di-n-propylamine

Concen: 56.286 ng

RT: 7.269 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF140918.D

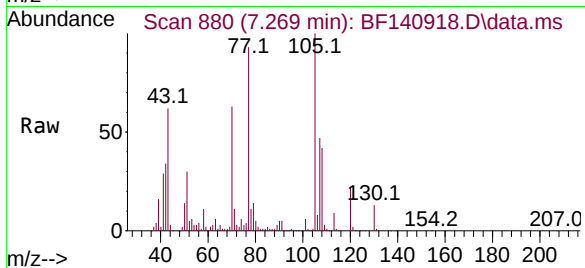
Acq: 18 Dec 2024 20:41

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD



Tgt Ion: 70 Resp: 198651

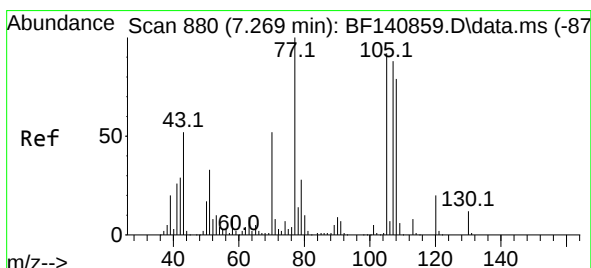
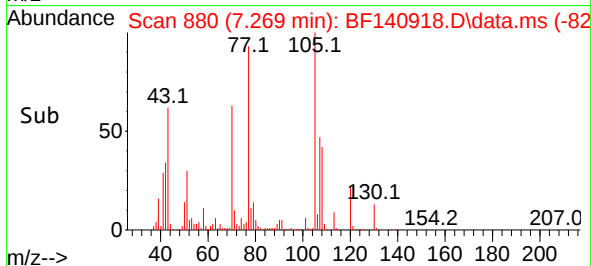
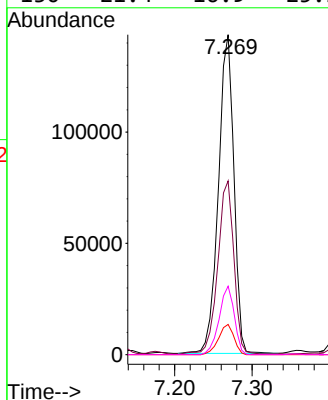
Ion Ratio Lower Upper

70 100

42 54.3 45.3 67.9

101 9.5 8.0 12.0

130 21.4 16.9 25.3



#20

3+4-Methylphenols

Concen: 56.095 ng

RT: 7.281 min Scan# 882

Delta R.T. 0.012 min

Lab File: BF140918.D

Acq: 18 Dec 2024 20:41

Tgt Ion: 107 Resp: 287679

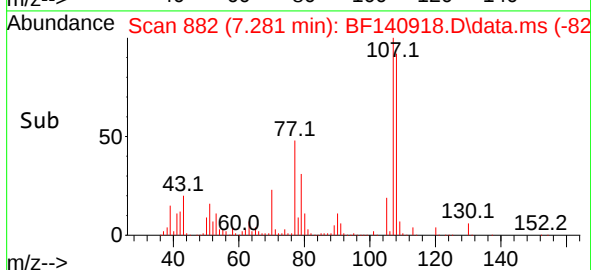
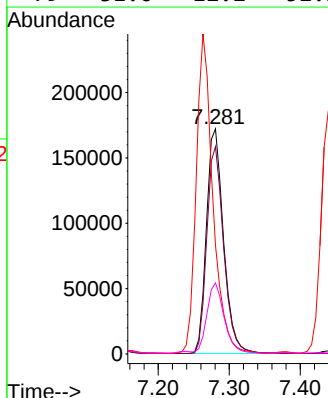
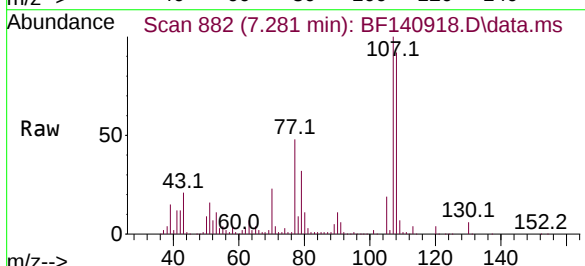
Ion Ratio Lower Upper

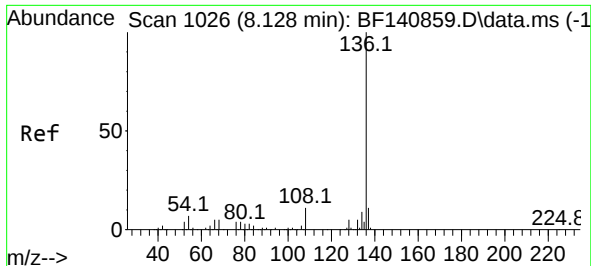
107 100

108 92.1 70.1 110.1

77 48.4 94.4 134.4#

79 31.6 12.2 52.2



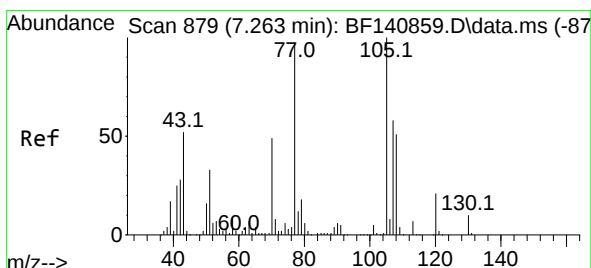
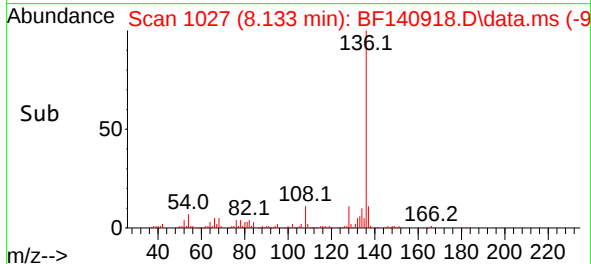
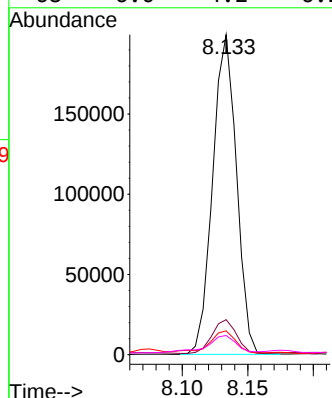
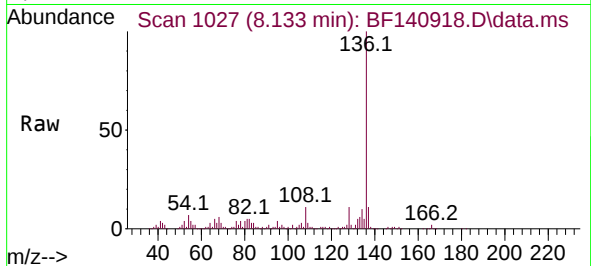


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.133 min Scan# 1026
Delta R.T. 0.006 min
Lab File: BF140918.D
Acq: 18 Dec 2024 20:41

Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

Tgt Ion:136 Resp: 251394

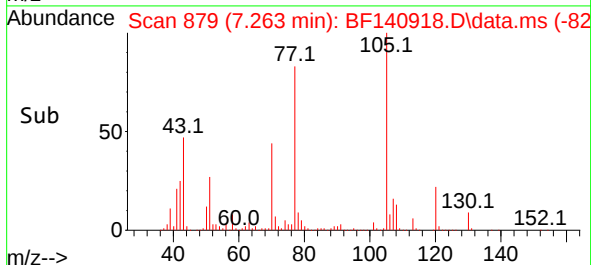
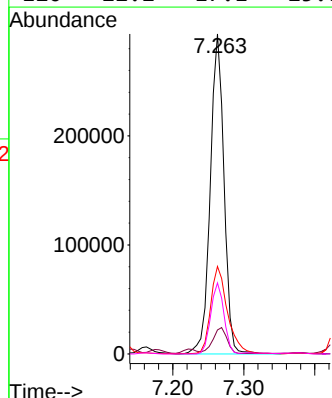
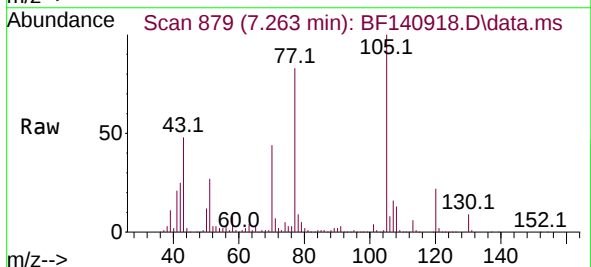
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	7.4	5.6	8.4
68	6.0	4.2	6.2

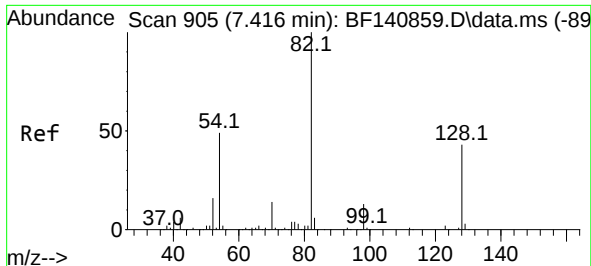


#22
Acetophenone
Concen: 62.950 ng
RT: 7.263 min Scan# 879
Delta R.T. -0.000 min
Lab File: BF140918.D
Acq: 18 Dec 2024 20:41

Tgt Ion:105 Resp: 395874

Ion	Ratio	Lower	Upper
105	100		
71	7.5	6.2	9.4
51	27.4	26.3	39.5
120	22.2	17.1	25.7





#23

Nitrobenzene-d5

Concen: 72.087 ng

RT: 7.416 min Scan# 905

Delta R.T. -0.000 min

Lab File: BF140918.D

Acq: 18 Dec 2024 20:41

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

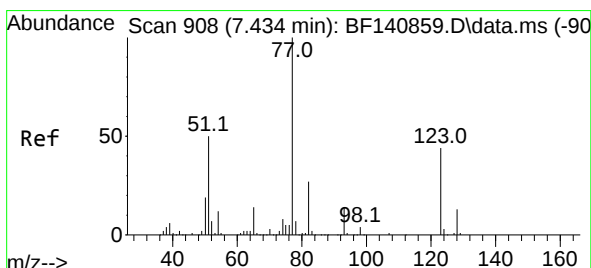
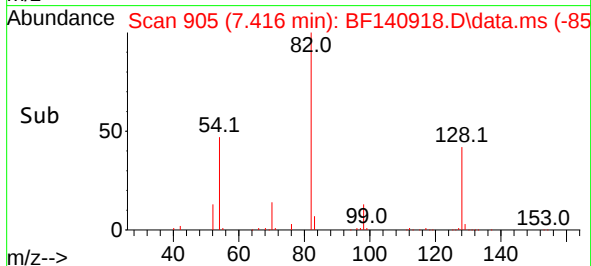
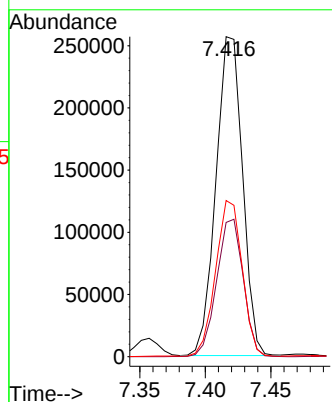
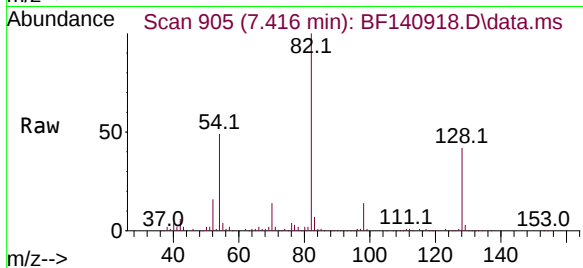
Tgt Ion: 82 Resp: 362221

Ion Ratio Lower Upper

82 100

128 41.9 34.4 51.6

54 48.8 38.8 58.2



#24

Nitrobenzene

Concen: 45.155 ng

RT: 7.439 min Scan# 909

Delta R.T. 0.006 min

Lab File: BF140918.D

Acq: 18 Dec 2024 20:41

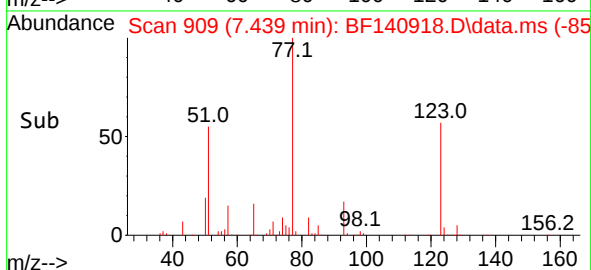
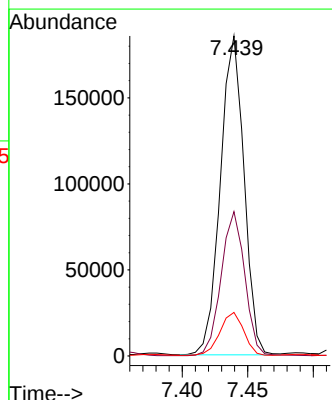
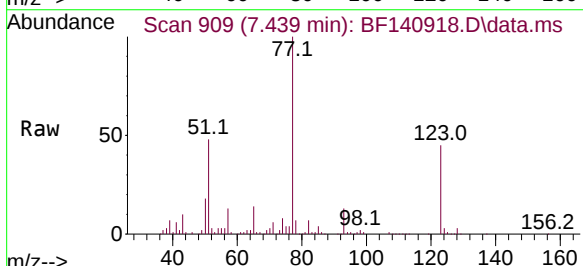
Tgt Ion: 77 Resp: 232443

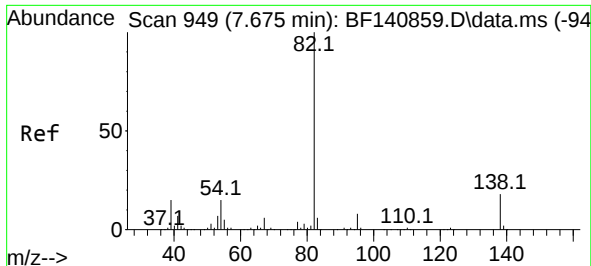
Ion Ratio Lower Upper

77 100

123 45.1 35.0 52.4

65 13.6 11.4 17.0

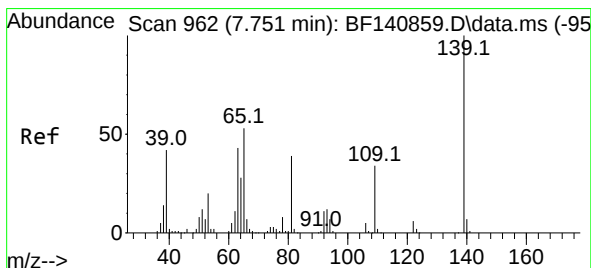
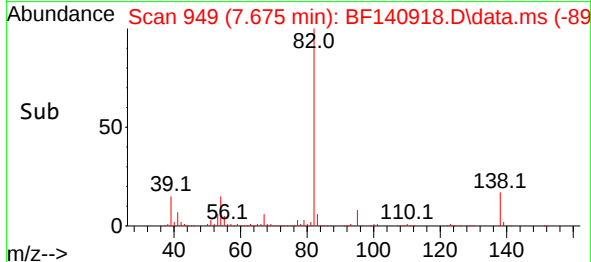
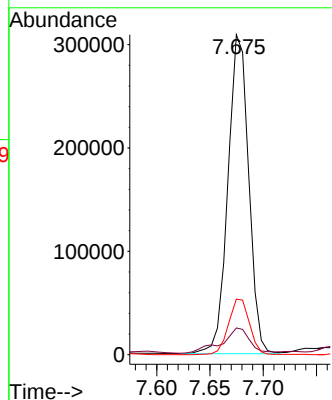
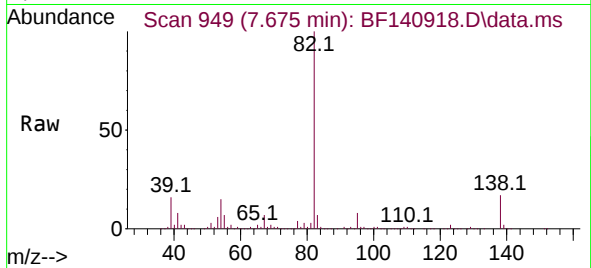




#25
Isophorone
Concen: 49.631 ng
RT: 7.675 min Scan# 949
Delta R.T. -0.000 min
Lab File: BF140918.D
Acq: 18 Dec 2024 20:41

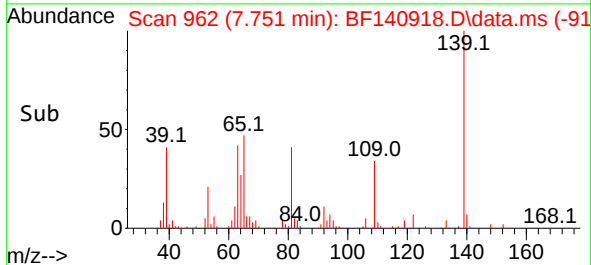
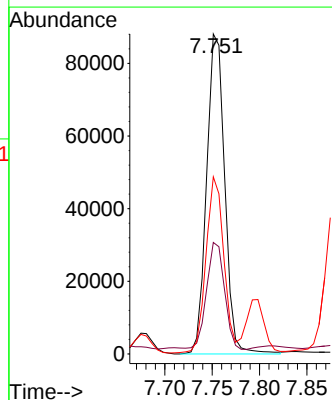
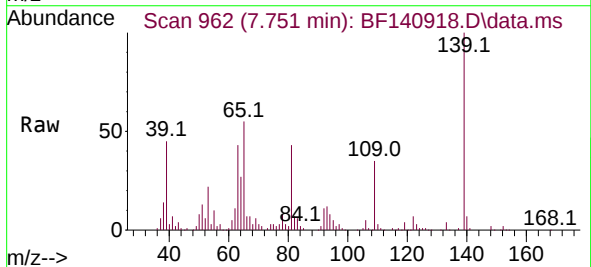
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

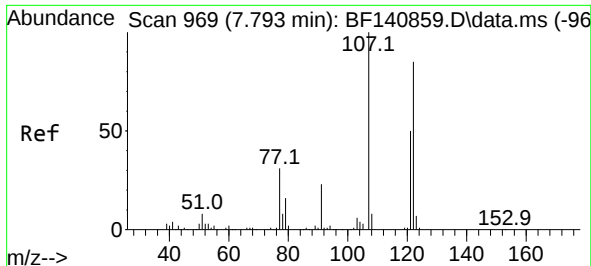
Tgt Ion: 82 Resp: 417859
Ion Ratio Lower Upper
82 100
95 8.3 6.3 9.5
138 17.3 14.1 21.1



#26
2-Nitrophenol
Concen: 49.399 ng
RT: 7.751 min Scan# 962
Delta R.T. -0.000 min
Lab File: BF140918.D
Acq: 18 Dec 2024 20:41

Tgt Ion:139 Resp: 117118
Ion Ratio Lower Upper
139 100
109 34.8 26.9 40.3
65 55.4 42.6 64.0

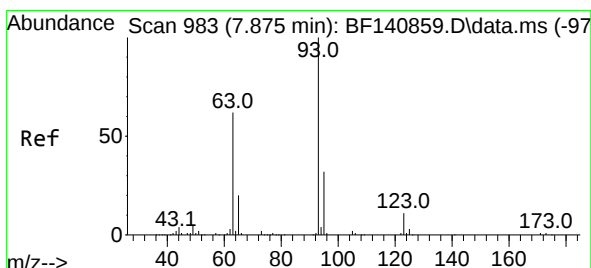
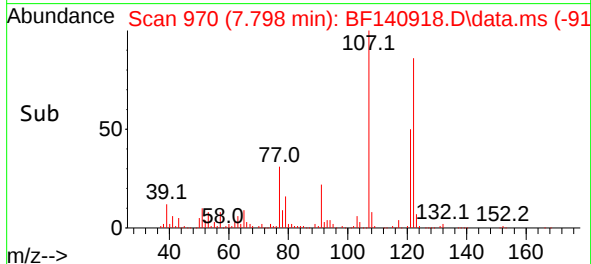
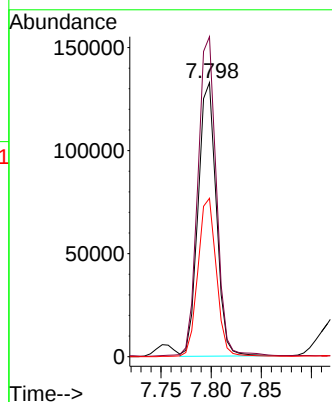
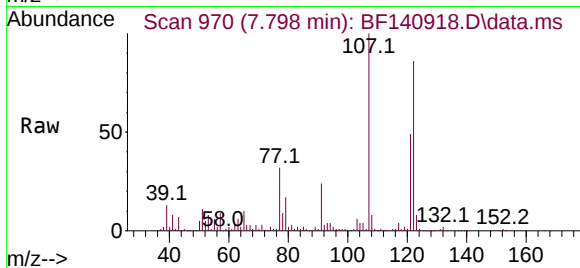




#27
2,4-Dimethylphenol
Concen: 60.643 ng
RT: 7.798 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF140918.D
Acq: 18 Dec 2024 20:41

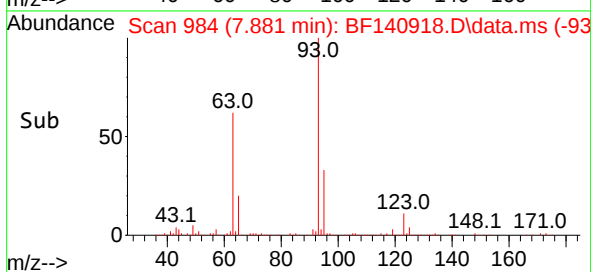
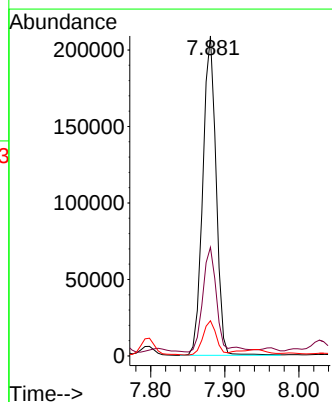
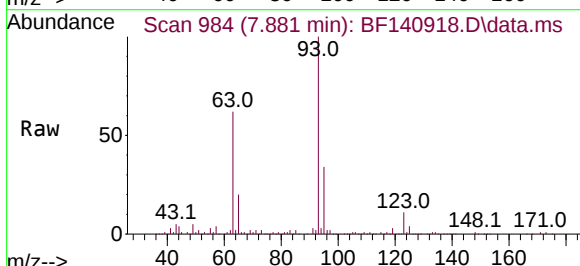
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

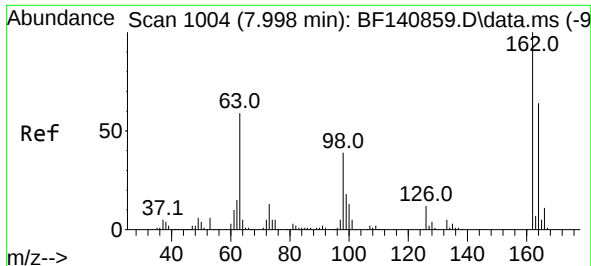
Tgt Ion:122 Resp: 167909
Ion Ratio Lower Upper
122 100
107 116.7 92.6 139.0
121 57.8 45.8 68.8



#28
bis(2-Chloroethoxy)methane
Concen: 49.535 ng
RT: 7.881 min Scan# 984
Delta R.T. 0.006 min
Lab File: BF140918.D
Acq: 18 Dec 2024 20:41

Tgt Ion: 93 Resp: 260478
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: 48.979 ng

RT: 8.010 min Scan# 1006

Delta R.T. 0.012 min

Lab File: BF140918.D

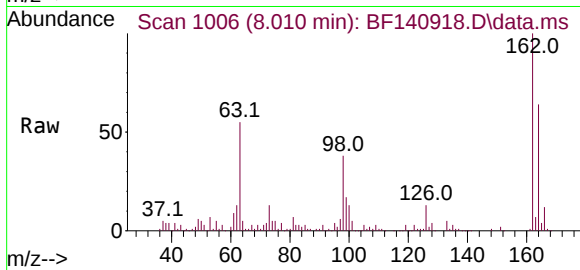
Acq: 18 Dec 2024 20:41

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD



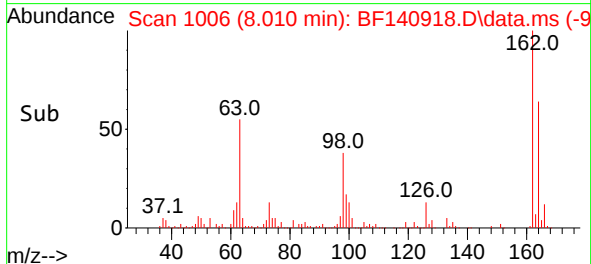
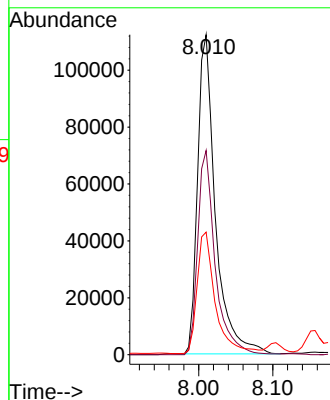
Tgt Ion:162 Resp: 187226

Ion Ratio Lower Upper

162 100

164 63.8 43.7 83.7

98 38.3 18.6 58.6



#30

1,2,4-Trichlorobenzene

Concen: 46.068 ng

RT: 8.075 min Scan# 1017

Delta R.T. 0.006 min

Lab File: BF140918.D

Acq: 18 Dec 2024 20:41

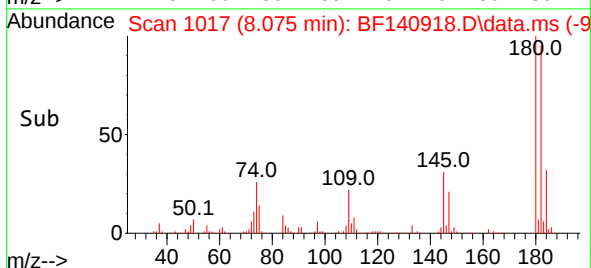
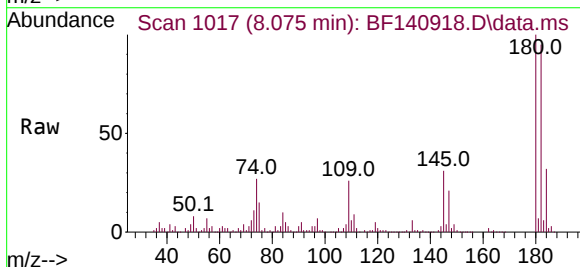
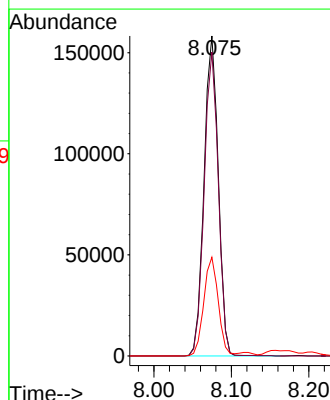
Tgt Ion:180 Resp: 201871

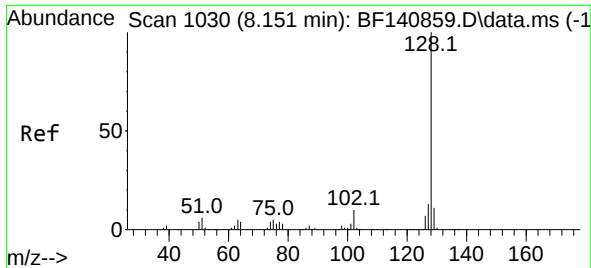
Ion Ratio Lower Upper

180 100

182 94.9 75.8 113.6

145 30.8 25.2 37.8

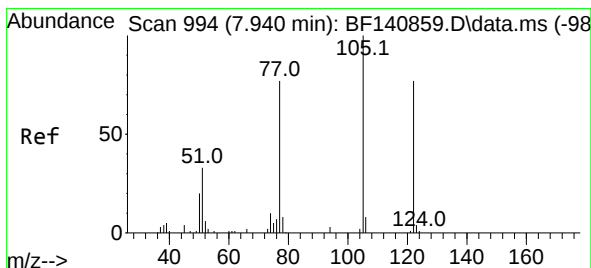
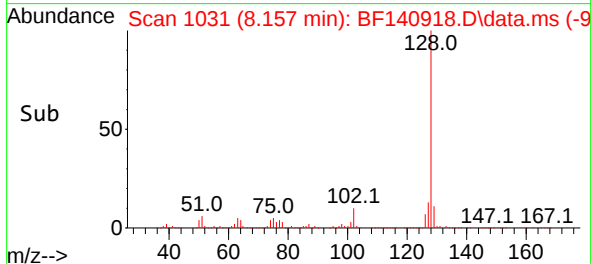
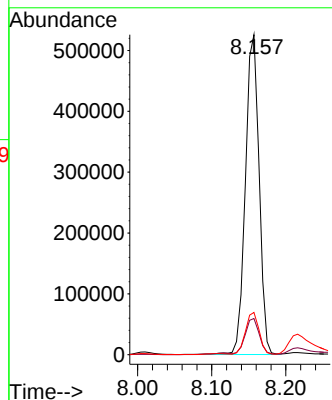
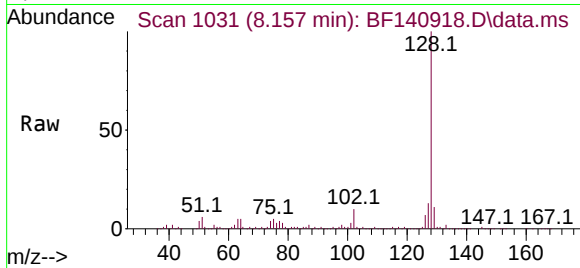




#31
Naphthalene
Concen: 48.838 ng
RT: 8.157 min Scan# 1030
Delta R.T. 0.006 min
Lab File: BF140918.D
Acq: 18 Dec 2024 20:41

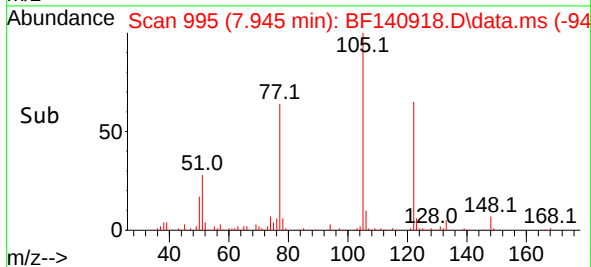
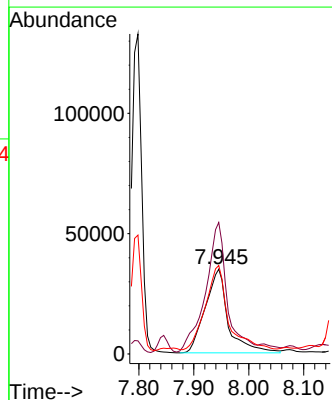
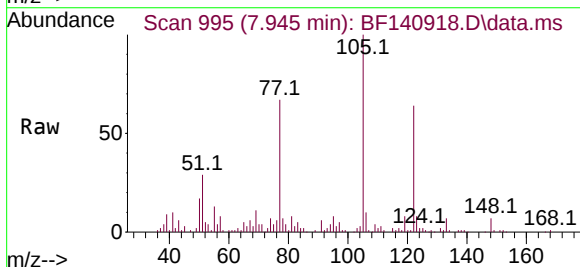
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

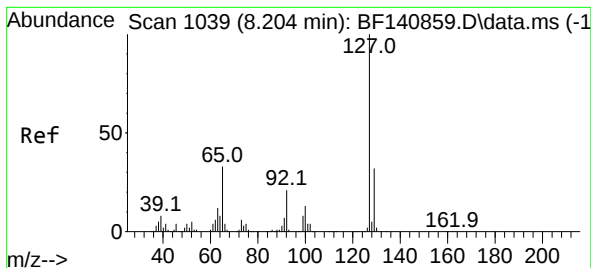
Tgt Ion:128 Resp: 674416
Ion Ratio Lower Upper
128 100
129 11.3 8.9 13.3
127 13.2 10.6 16.0



#32
Benzoic acid
Concen: 38.371 ng
RT: 7.945 min Scan# 995
Delta R.T. 0.005 min
Lab File: BF140918.D
Acq: 18 Dec 2024 20:41

Tgt Ion:122 Resp: 100759
Ion Ratio Lower Upper
122 100
105 155.3 108.3 148.3#
77 104.5 78.8 118.8





#33

4-Chloroaniline

Concen: 16.307 ng

RT: 8.216 min Scan# 1041

Delta R.T. 0.012 min

Lab File: BF140918.D

Acq: 18 Dec 2024 20:41

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

Tgt Ion:127 Resp: 74793

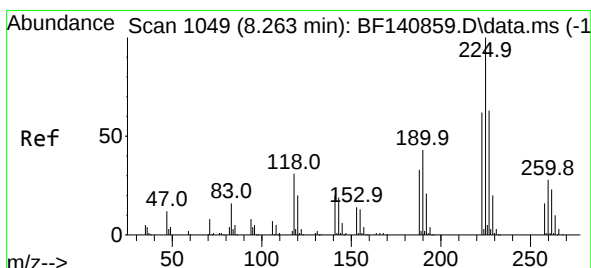
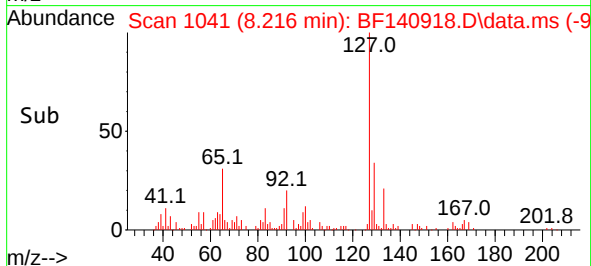
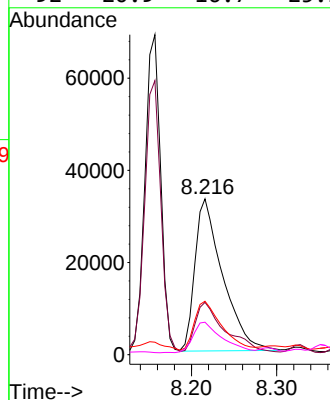
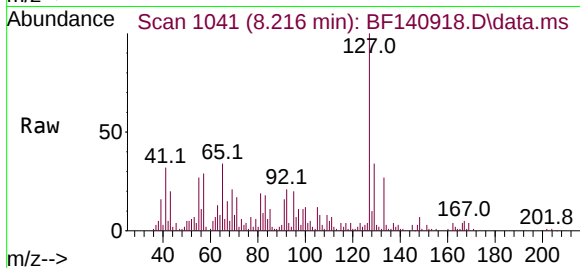
Ion Ratio Lower Upper

127 100

129 33.6 26.0 39.0

65 34.3 26.0 39.0

92 20.9 16.7 25.1



#34

Hexachlorobutadiene

Concen: 46.622 ng

RT: 8.263 min Scan# 1049

Delta R.T. -0.000 min

Lab File: BF140918.D

Acq: 18 Dec 2024 20:41

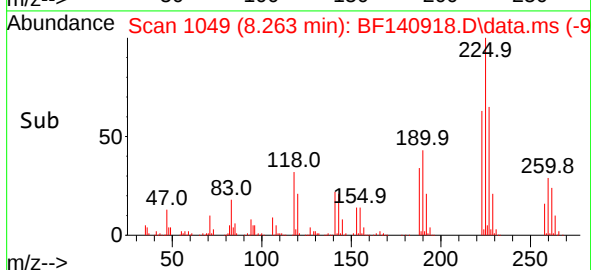
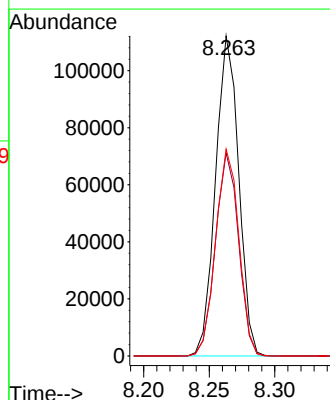
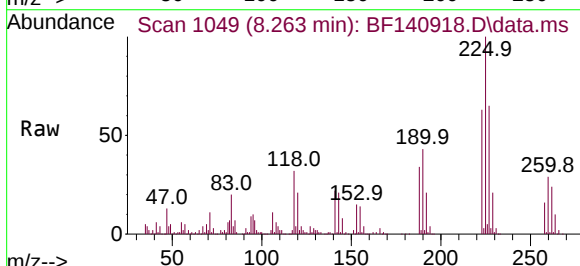
Tgt Ion:225 Resp: 137455

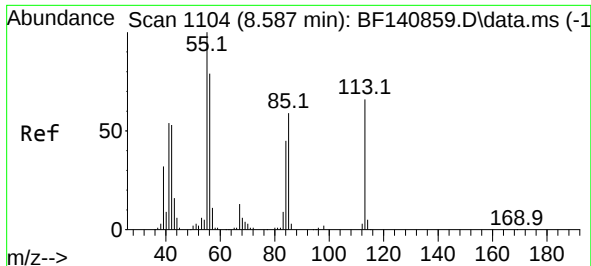
Ion Ratio Lower Upper

225 100

223 63.4 49.6 74.4

227 64.7 50.7 76.1

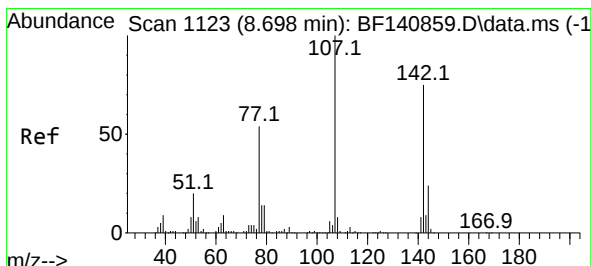
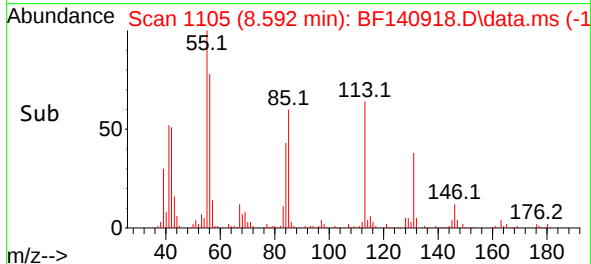
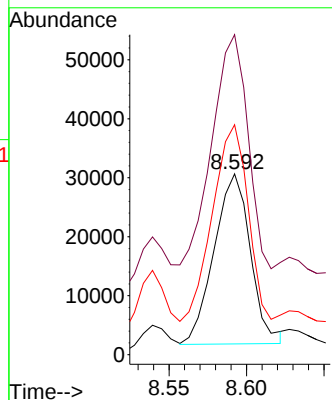
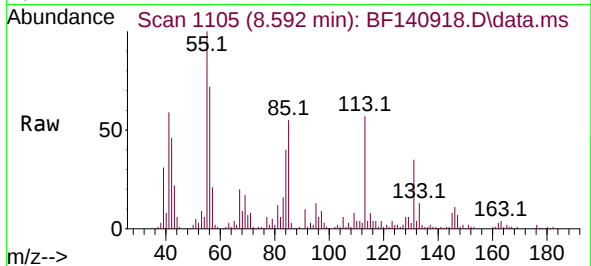




#35
 Caprolactam
 Concen: 41.312 ng
 RT: 8.592 min Scan# 1105
 Delta R.T. 0.006 min
 Lab File: BF140918.D
 Acq: 18 Dec 2024 20:41

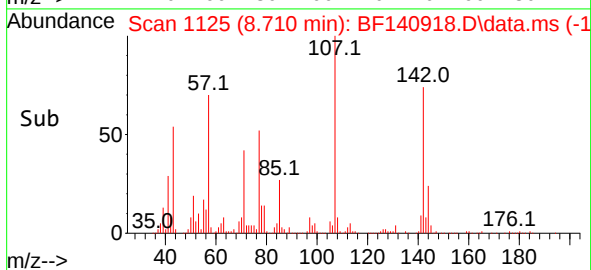
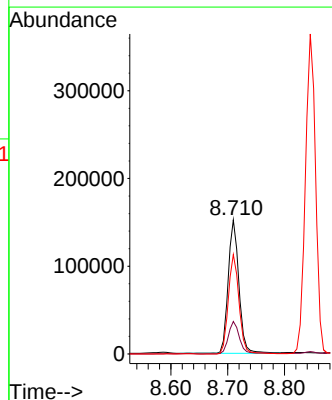
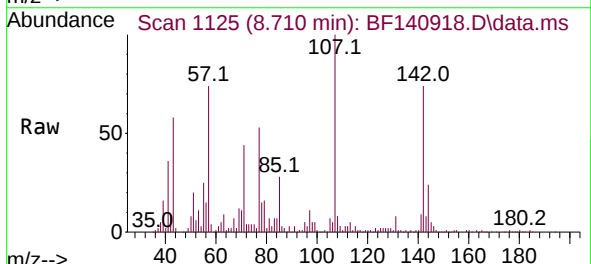
Instrument :
 BNA_F
 ClientSampleId :
 HR-04-121624MSD

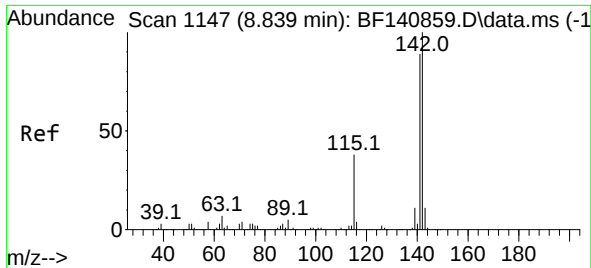
Tgt Ion:113 Resp: 47014
 Ion Ratio Lower Upper
 113 100
 55 176.9 132.3 172.3#
 56 127.1 100.3 140.3



#36
 4-Chloro-3-methylphenol
 Concen: 46.851 ng
 RT: 8.710 min Scan# 1125
 Delta R.T. 0.012 min
 Lab File: BF140918.D
 Acq: 18 Dec 2024 20:41

Tgt Ion:107 Resp: 201573
 Ion Ratio Lower Upper
 107 100
 144 24.2 19.4 29.2
 142 74.1 60.3 90.5





#37

2-Methylnaphthalene

Concen: 49.728 ng

RT: 8.845 min Scan# 1147

Delta R.T. 0.006 min

Lab File: BF140918.D

Acq: 18 Dec 2024 20:41

Instrument :

BNA_F

ClientSampleId :

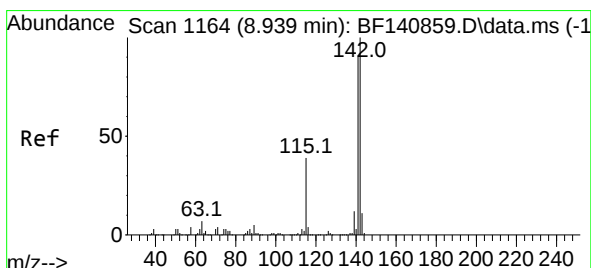
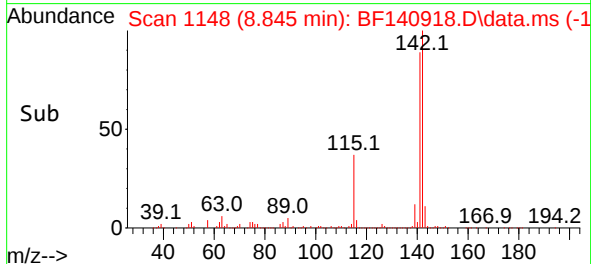
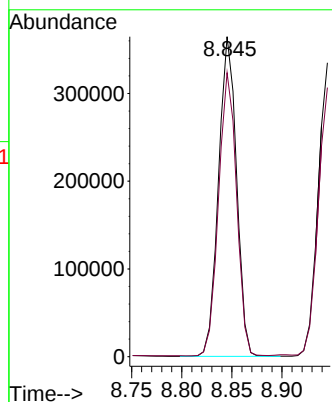
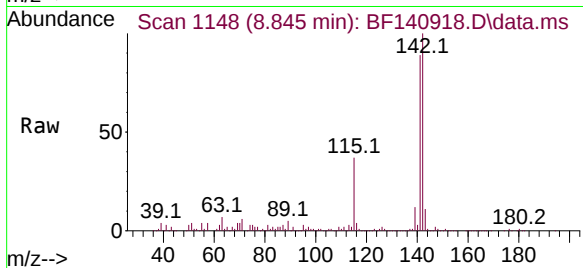
HR-04-121624MSD

Tgt Ion:142 Resp: 454263

Ion Ratio Lower Upper

142 100

141 88.8 71.0 106.6



#38

1-Methylnaphthalene

Concen: 46.028 ng

RT: 8.945 min Scan# 1165

Delta R.T. 0.006 min

Lab File: BF140918.D

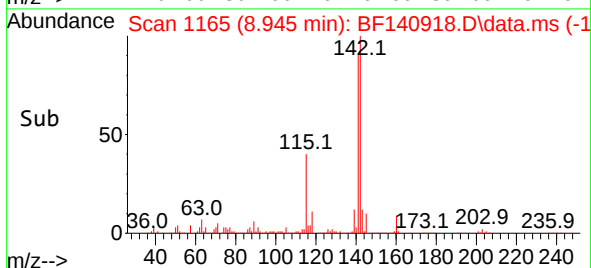
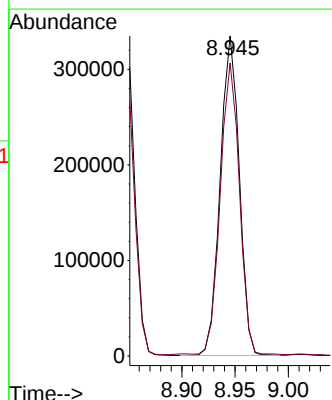
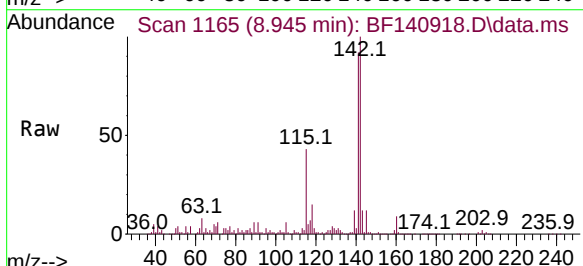
Acq: 18 Dec 2024 20:41

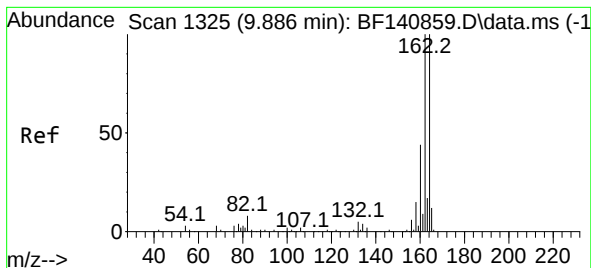
Tgt Ion:142 Resp: 415830

Ion Ratio Lower Upper

142 100

141 91.6 73.4 110.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.892 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF140918.D

Acq: 18 Dec 2024 20:41

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

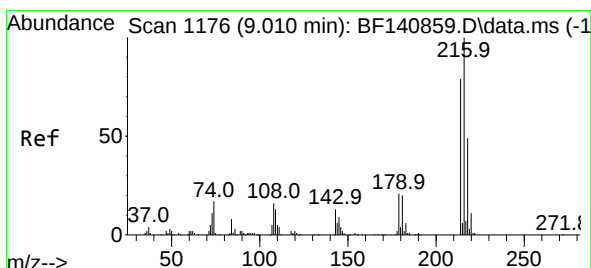
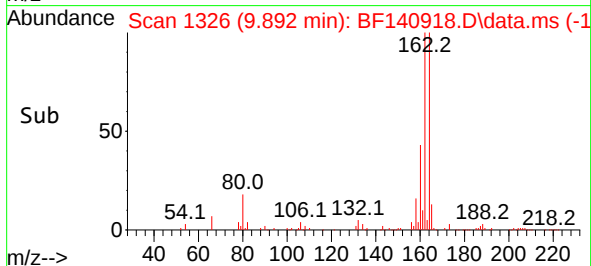
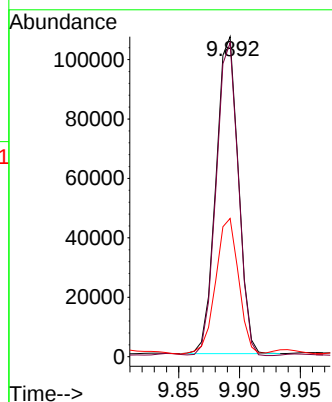
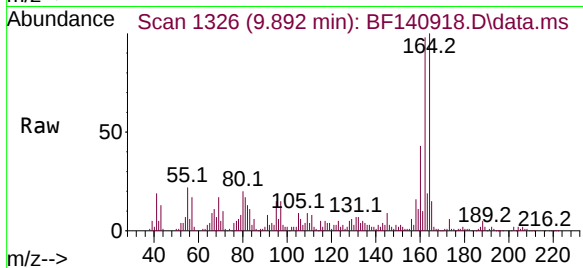
Tgt Ion:164 Resp: 136413

Ion Ratio Lower Upper

164 100

162 98.1 79.9 119.9

160 43.2 35.2 52.8



#40

1,2,4,5-Tetrachlorobenzene

Concen: 51.231 ng

RT: 9.016 min Scan# 1177

Delta R.T. 0.006 min

Lab File: BF140918.D

Acq: 18 Dec 2024 20:41

Tgt Ion:216 Resp: 214802

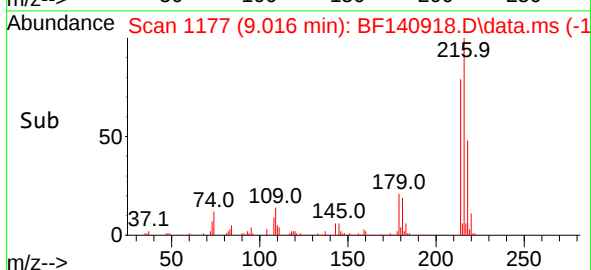
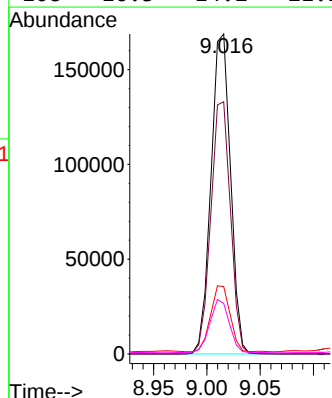
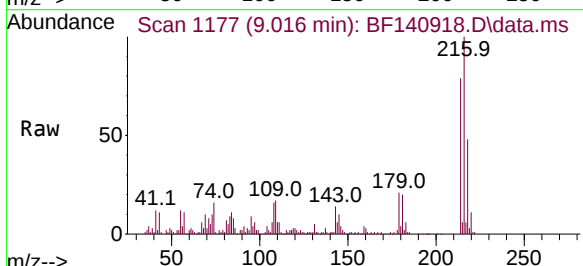
Ion Ratio Lower Upper

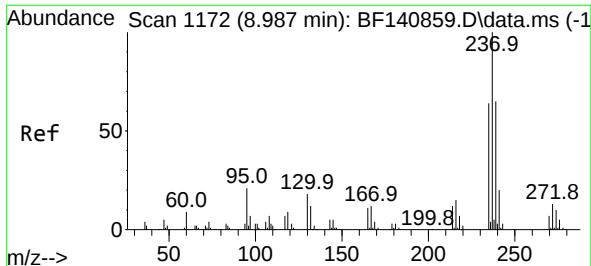
216 100

214 79.3 63.6 95.4

179 20.9 17.0 25.4

108 16.3 14.2 21.2

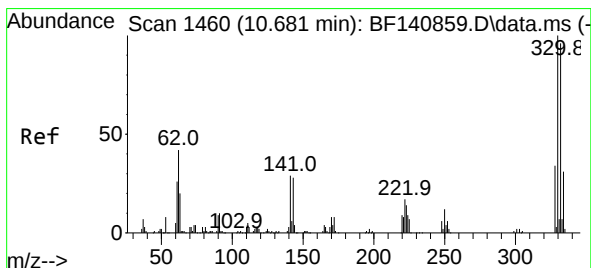
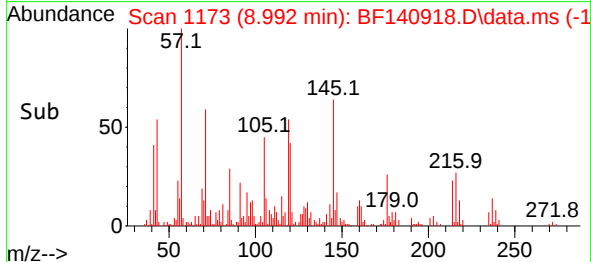
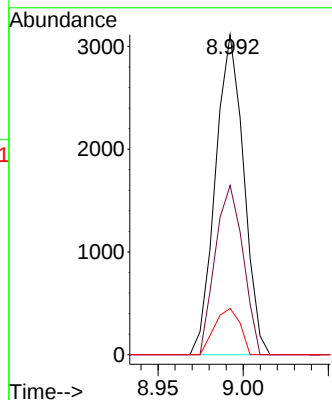
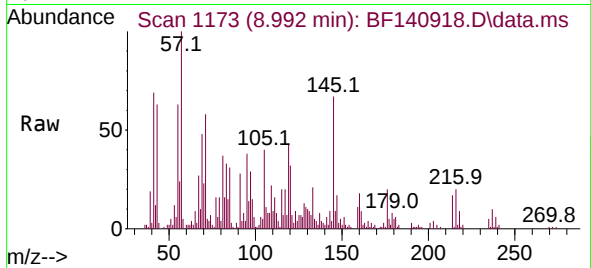




#41
Hexachlorocyclopentadiene
Concen: 4.323 ng
RT: 8.992 min Scan# 1173
Delta R.T. 0.005 min
Lab File: BF140918.D
Acq: 18 Dec 2024 20:41

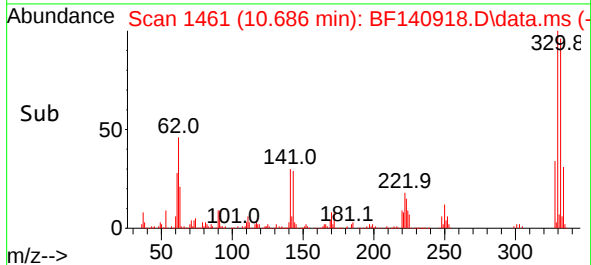
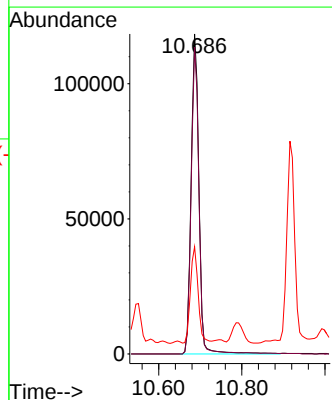
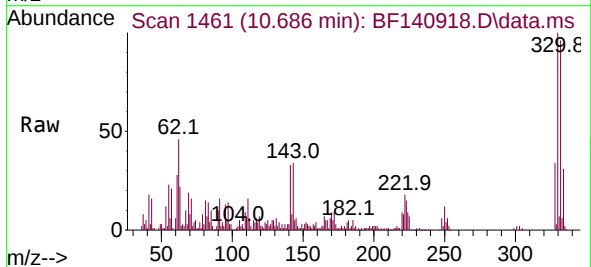
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

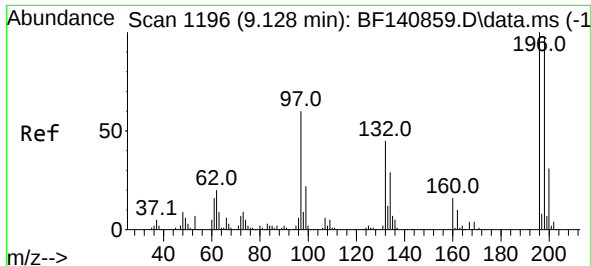
Tgt Ion:	237	Resp:	3597
Ion	Ratio	Lower	Upper
237	100		
235	52.9	43.7	83.7
272	14.5	0.0	32.9



#42
2,4,6-Tribromophenol
Concen: 95.067 ng
RT: 10.686 min Scan# 1461
Delta R.T. 0.006 min
Lab File: BF140918.D
Acq: 18 Dec 2024 20:41

Tgt Ion:	330	Resp:	153379
Ion	Ratio	Lower	Upper
330	100		
332	94.9	76.2	114.4
141	29.8	24.9	37.3

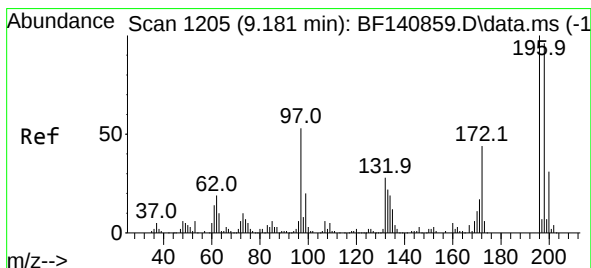
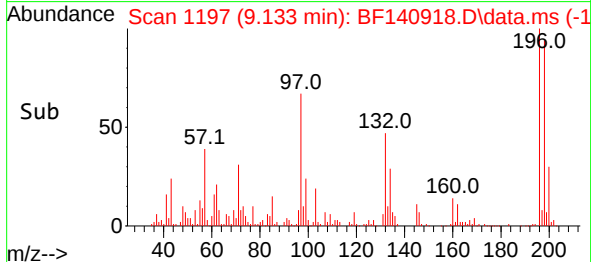
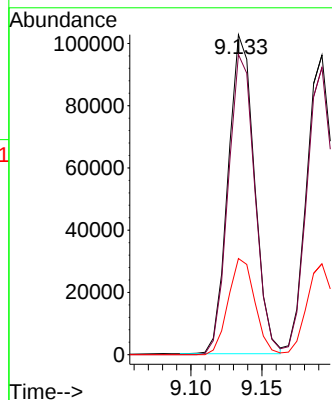
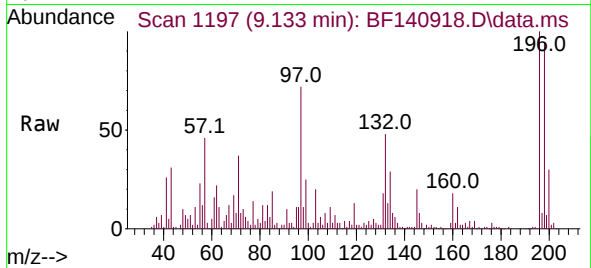




#43
2,4,6-Trichlorophenol
Concen: 51.461 ng
RT: 9.133 min Scan# 1196
Delta R.T. 0.006 min
Lab File: BF140918.D
Acq: 18 Dec 2024 20:41

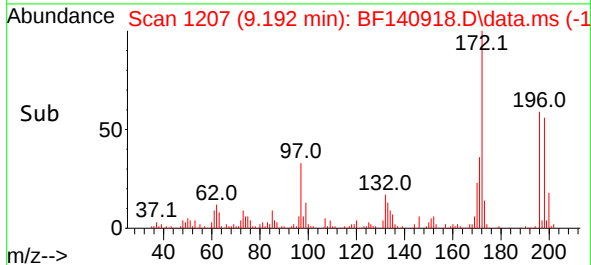
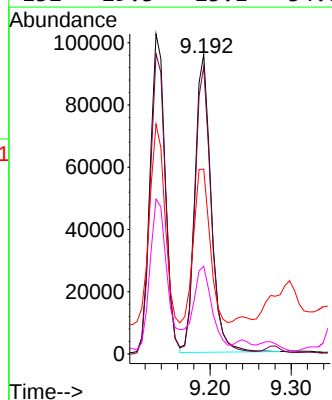
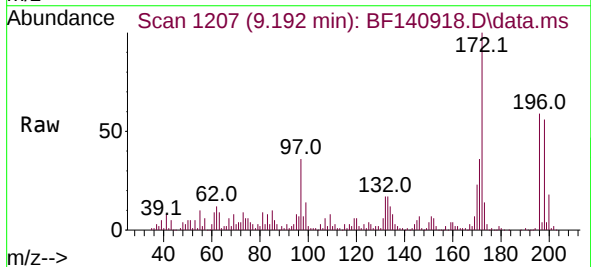
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

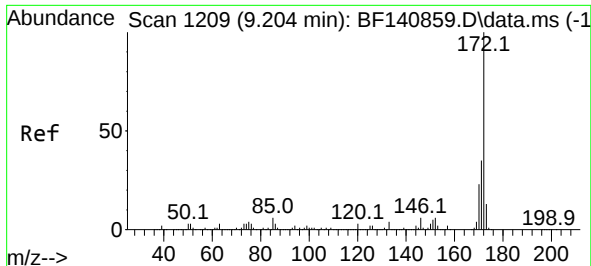
Tgt Ion:196 Resp: 132121
Ion Ratio Lower Upper
196 100
198 93.8 77.4 116.0
200 30.1 24.5 36.7



#44
2,4,5-Trichlorophenol
Concen: 47.216 ng
RT: 9.192 min Scan# 1207
Delta R.T. 0.012 min
Lab File: BF140918.D
Acq: 18 Dec 2024 20:41

Tgt Ion:196 Resp: 133239
Ion Ratio Lower Upper
196 100
198 95.8 77.2 115.8
97 61.7 42.2 63.4
132 29.3 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 72.466 ng

RT: 9.204 min Scan# 1209

Delta R.T. -0.000 min

Lab File: BF140918.D

Acq: 18 Dec 2024 20:41

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

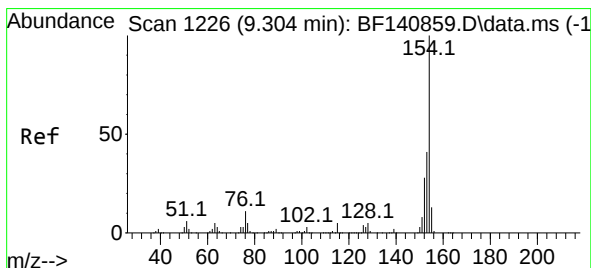
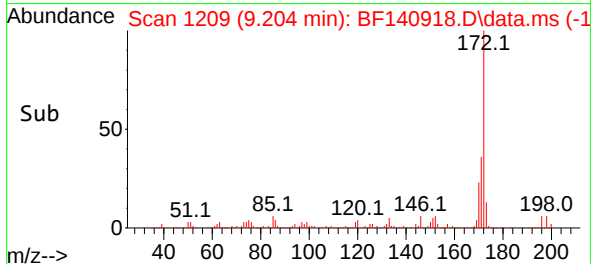
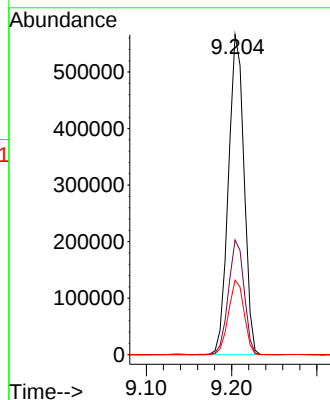
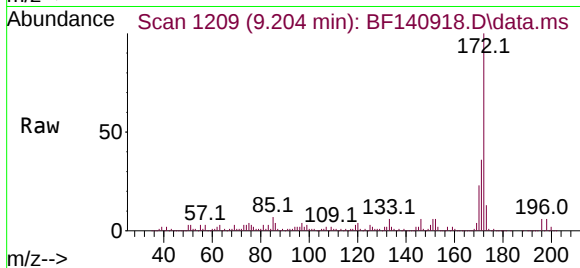
Tgt Ion:172 Resp: 719008

Ion Ratio Lower Upper

172 100

171 35.8 28.4 42.6

170 23.3 18.6 28.0



#46

1,1'-Biphenyl

Concen: 52.724 ng

RT: 9.310 min Scan# 1227

Delta R.T. 0.006 min

Lab File: BF140918.D

Acq: 18 Dec 2024 20:41

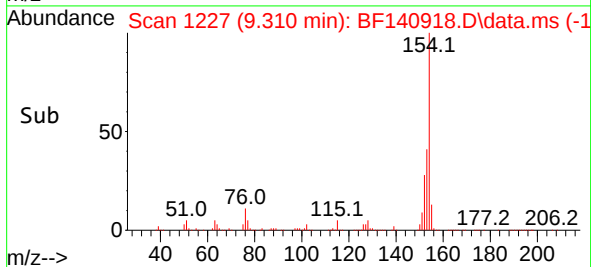
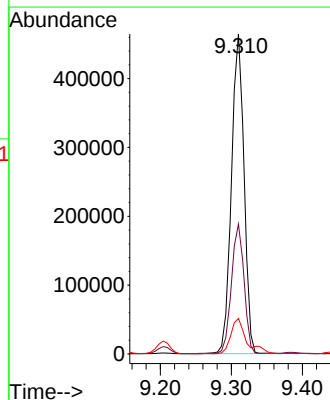
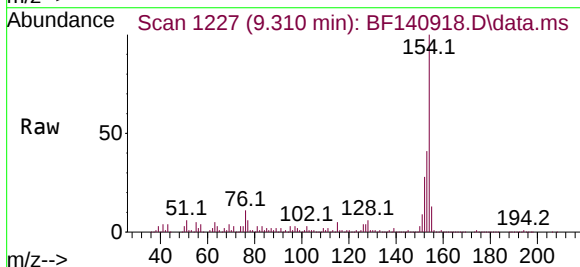
Tgt Ion:154 Resp: 571916

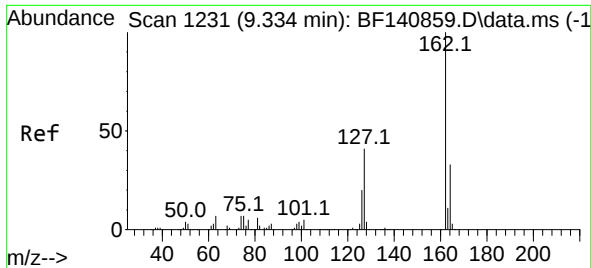
Ion Ratio Lower Upper

154 100

153 40.6 20.8 60.8

76 11.1 0.0 31.0





#47

2-Chloronaphthalene

Concen: 49.076 ng

RT: 9.339 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF140918.D

Acq: 18 Dec 2024 20:41

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

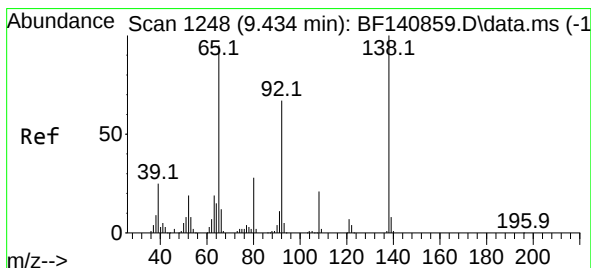
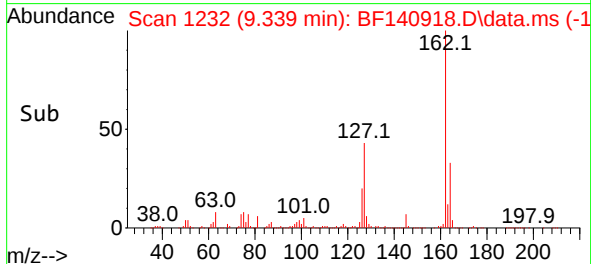
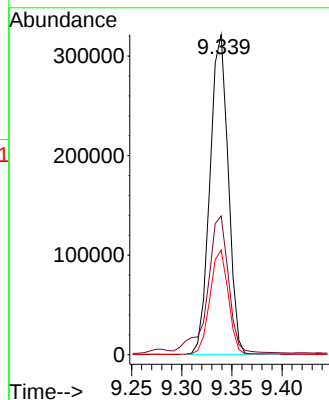
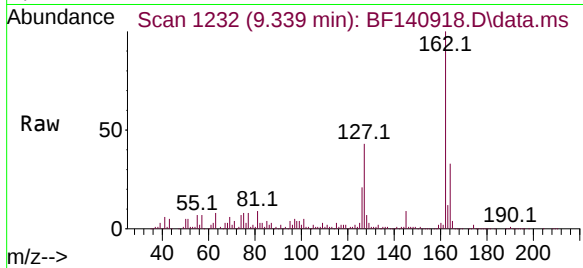
Tgt Ion:162 Resp: 407248

Ion Ratio Lower Upper

162 100

127 43.3 33.5 50.3

164 32.7 26.2 39.2



#48

2-Nitroaniline

Concen: 51.565 ng

RT: 9.445 min Scan# 1250

Delta R.T. 0.012 min

Lab File: BF140918.D

Acq: 18 Dec 2024 20:41

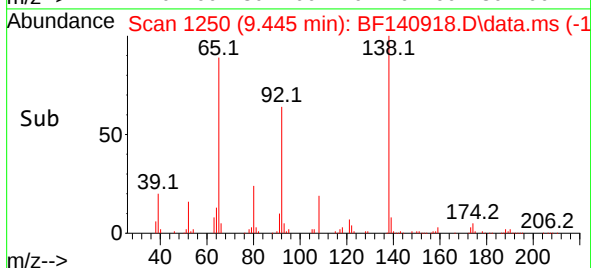
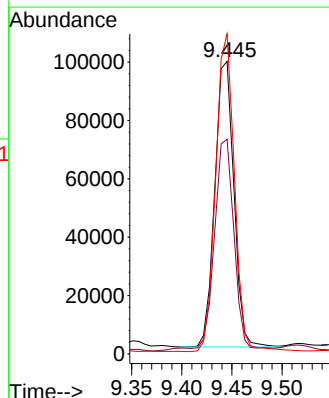
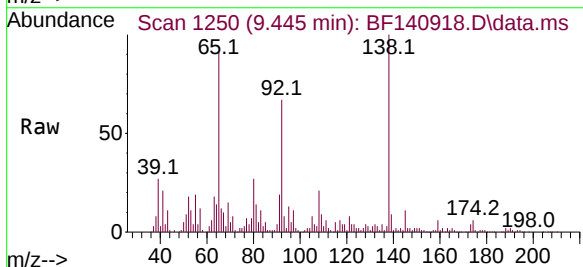
Tgt Ion: 65 Resp: 129234

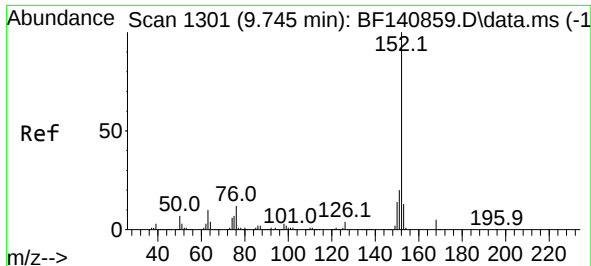
Ion Ratio Lower Upper

65 100

92 73.4 56.3 84.5

138 109.4 83.8 125.6

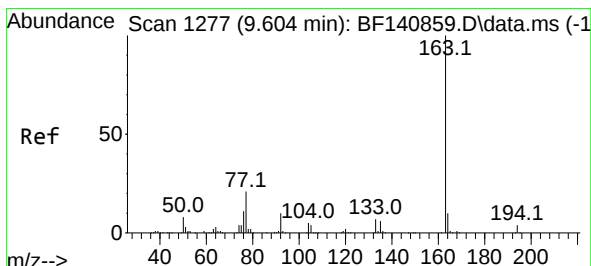
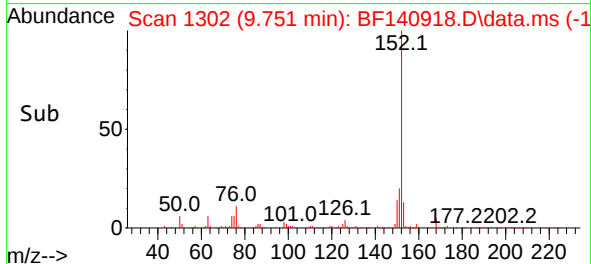
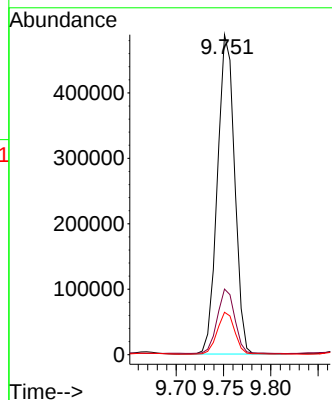
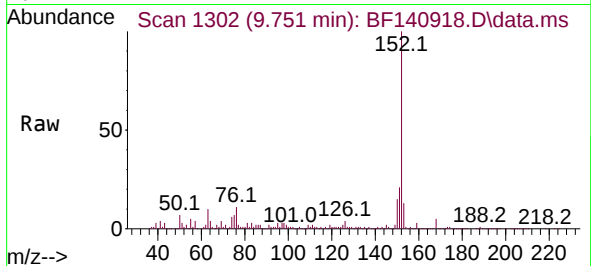




#49
Acenaphthylene
Concen: 50.710 ng
RT: 9.751 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140918.D
Acq: 18 Dec 2024 20:41

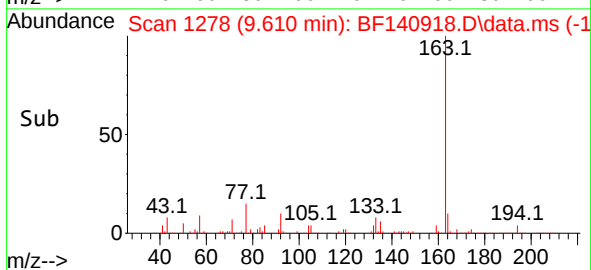
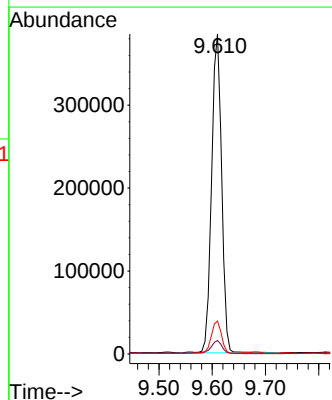
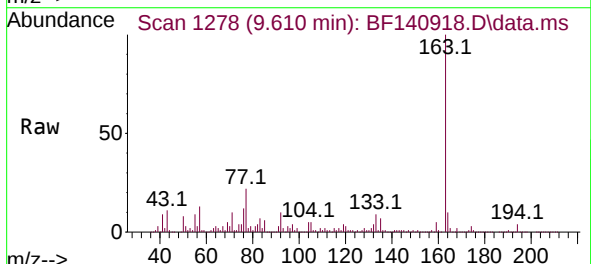
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

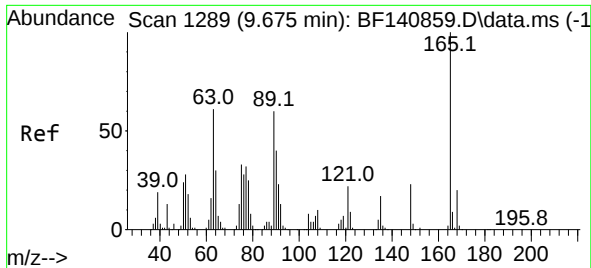
Tgt Ion:152 Resp: 618412
Ion Ratio Lower Upper
152 100
151 20.5 16.0 24.0
153 13.3 10.6 16.0



#50
Dimethylphthalate
Concen: 52.473 ng
RT: 9.610 min Scan# 1278
Delta R.T. 0.006 min
Lab File: BF140918.D
Acq: 18 Dec 2024 20:41

Tgt Ion:163 Resp: 504659
Ion Ratio Lower Upper
163 100
194 4.2 3.1 4.7
164 10.3 8.1 12.1

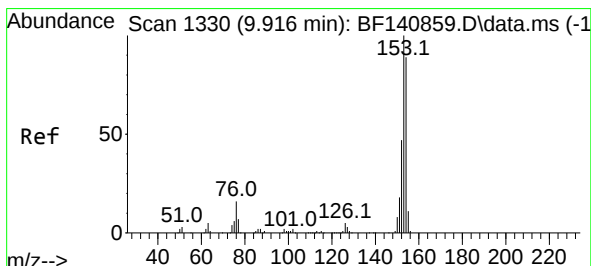
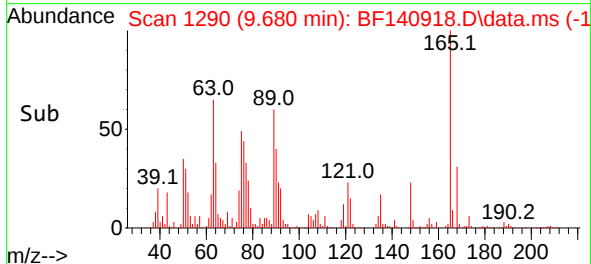
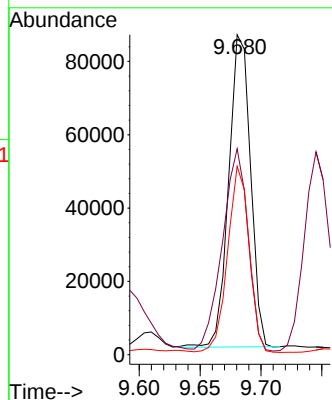
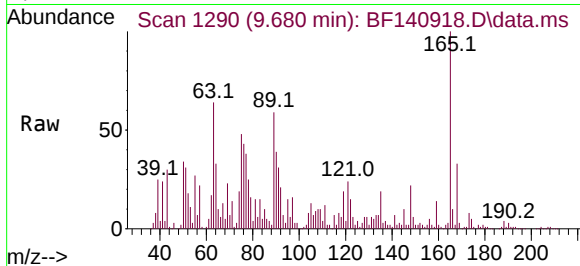




#51
2,6-Dinitrotoluene
Concen: 48.277 ng
RT: 9.680 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140918.D
Acq: 18 Dec 2024 20:41

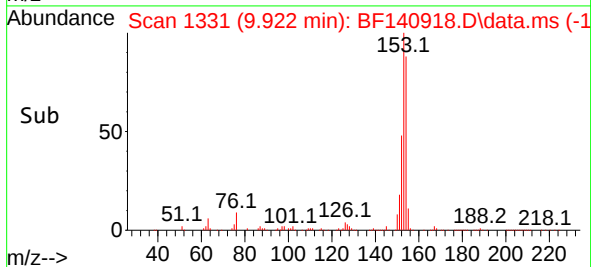
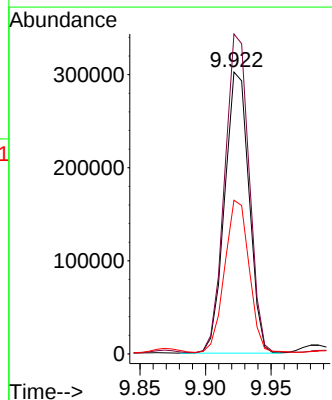
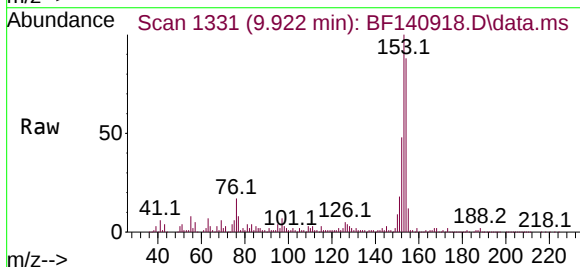
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

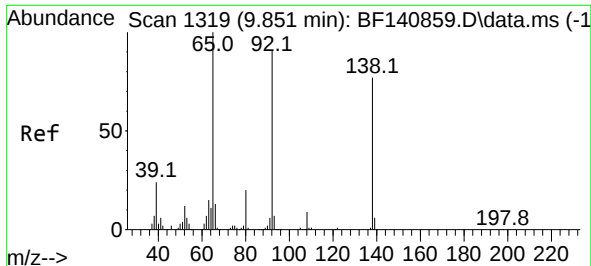
Tgt Ion:165 Resp: 106143
Ion Ratio Lower Upper
165 100
63 64.4 49.7 74.5
89 58.9 48.2 72.4



#52
Acenaphthene
Concen: 50.041 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.006 min
Lab File: BF140918.D
Acq: 18 Dec 2024 20:41

Tgt Ion:154 Resp: 389814
Ion Ratio Lower Upper
154 100
153 113.5 89.9 134.9
152 54.6 42.6 63.8

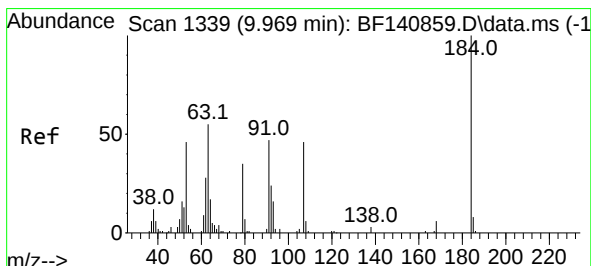
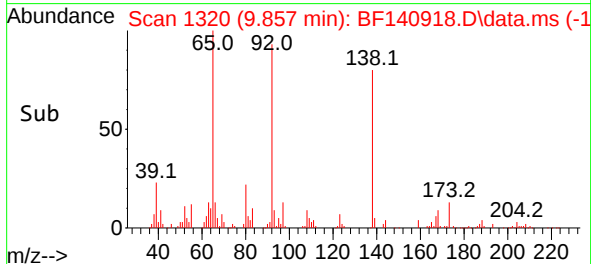
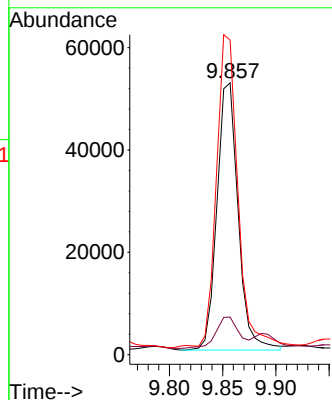
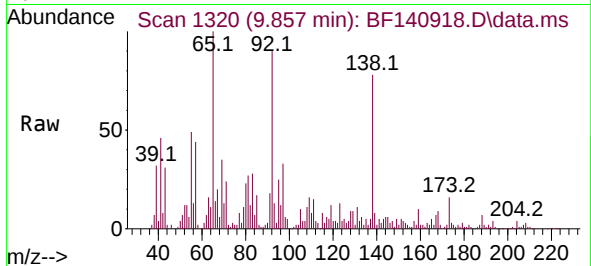




#53
3-Nitroaniline
Concen: 32.998 ng
RT: 9.857 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140918.D
Acq: 18 Dec 2024 20:41

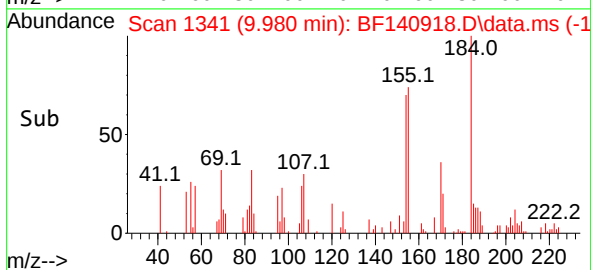
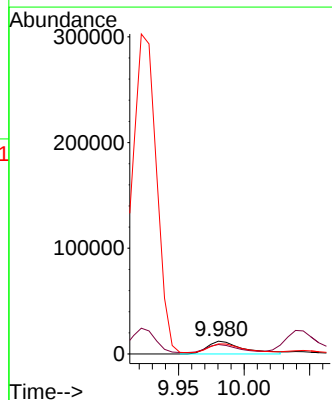
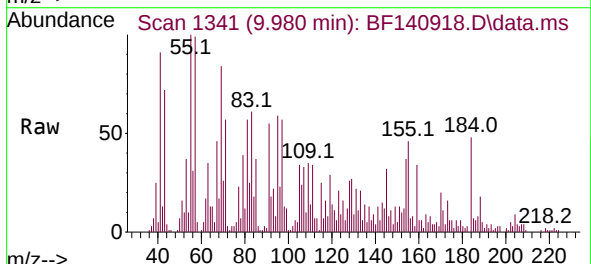
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

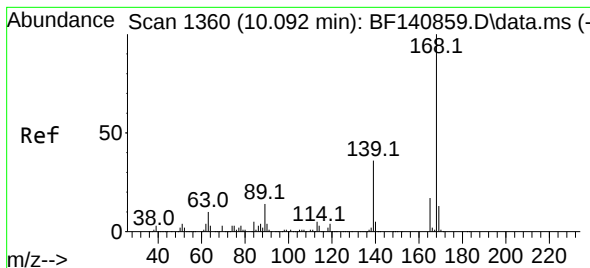
Tgt Ion:138 Resp: 71998
Ion Ratio Lower Upper
138 100
108 13.8 9.0 13.4#
92 115.7 95.5 143.3



#54
2,4-Dinitrophenol
Concen: 25.990 ng
RT: 9.980 min Scan# 1341
Delta R.T. 0.011 min
Lab File: BF140918.D
Acq: 18 Dec 2024 20:41

Tgt Ion:184 Resp: 22722
Ion Ratio Lower Upper
184 100
63 74.2 51.6 77.4
154 78.8 56.1 84.1





#55

Dibenzenofuran

Concen: 43.816 ng

RT: 10.098 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF140918.D

Acq: 18 Dec 2024 20:41

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

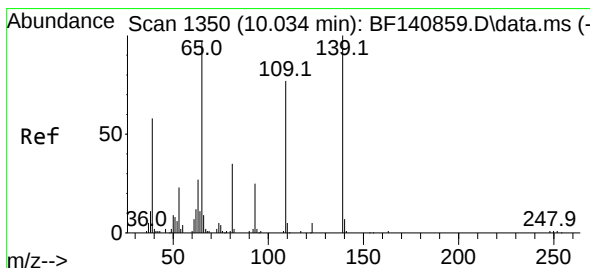
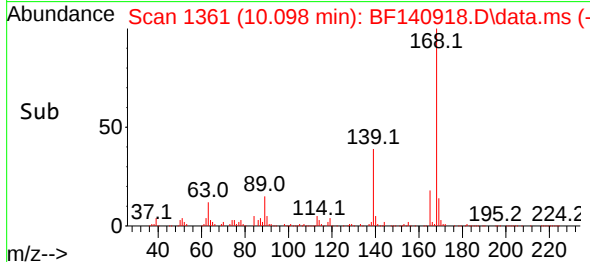
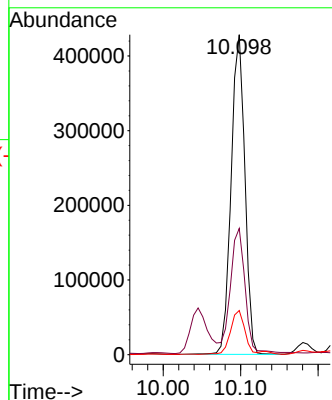
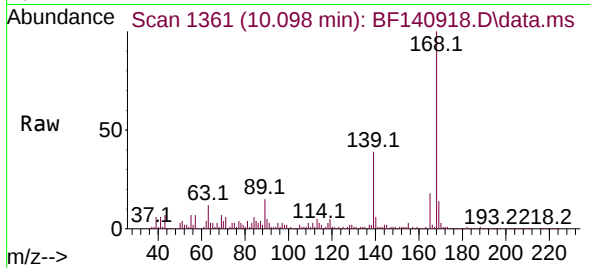
Tgt Ion:168 Resp: 528904

Ion Ratio Lower Upper

168 100

139 39.5 31.1 46.7

169 13.8 10.6 16.0



#56

4-Nitrophenol

Concen: 78.726 ng

RT: 10.045 min Scan# 1352

Delta R.T. 0.011 min

Lab File: BF140918.D

Acq: 18 Dec 2024 20:41

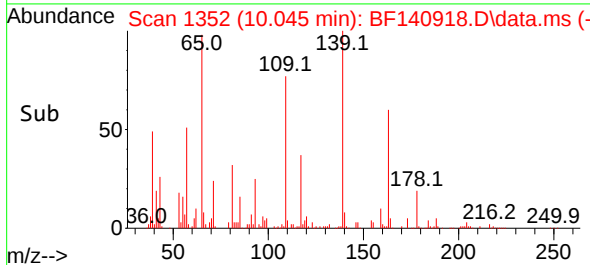
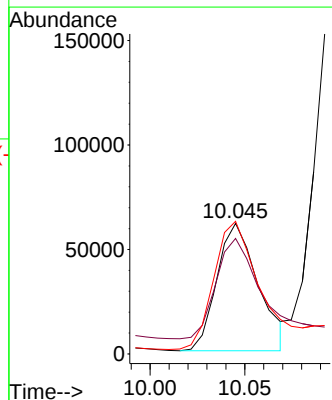
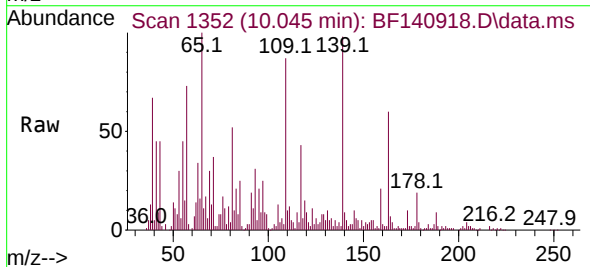
Tgt Ion:139 Resp: 92309

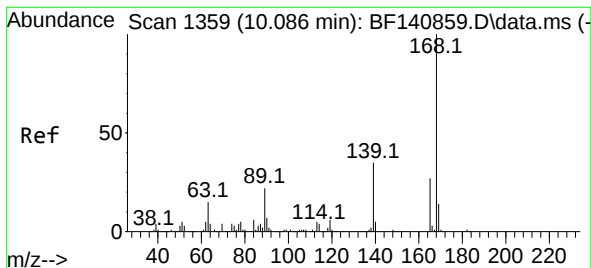
Ion Ratio Lower Upper

139 100

109 88.5 56.7 96.7

65 101.6 78.1 118.1

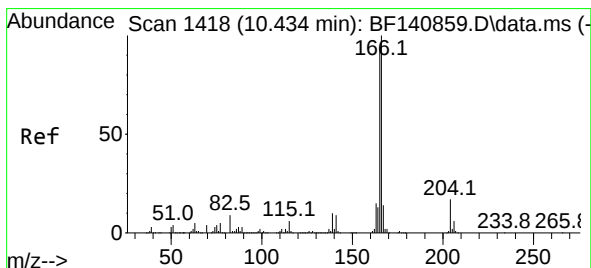
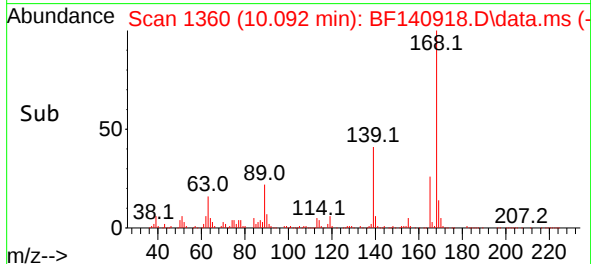
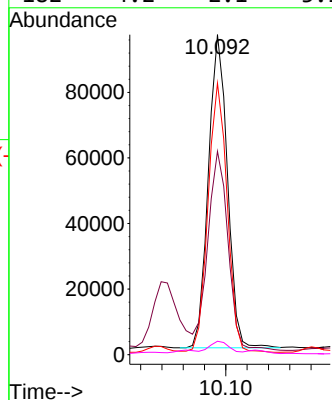
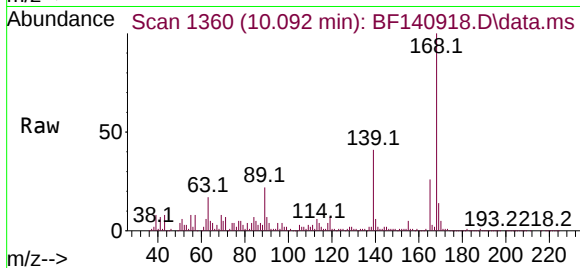




#57
2,4-Dinitrotoluene
Concen: 40.957 ng
RT: 10.092 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140918.D
Acq: 18 Dec 2024 20:41

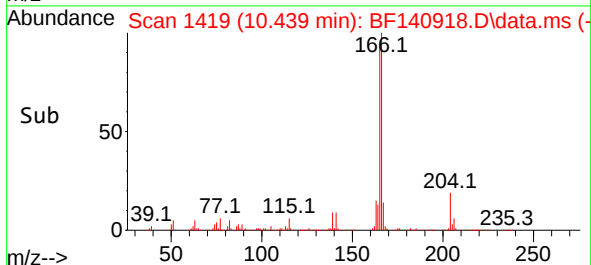
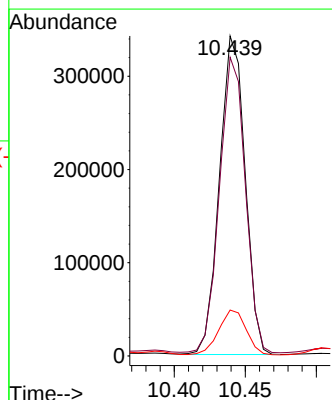
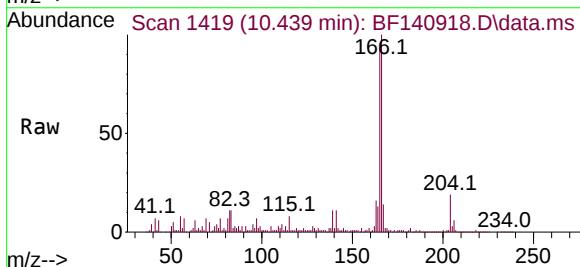
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

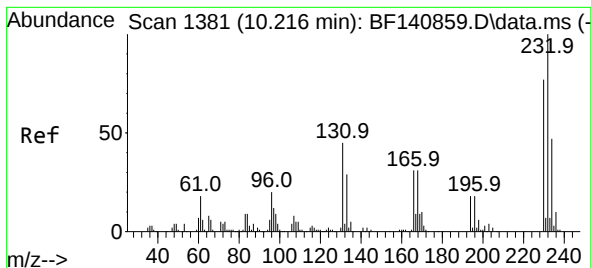
Tgt Ion:165 Resp: 118480
Ion Ratio Lower Upper
165 100
63 63.5 49.3 73.9
89 84.8 66.2 99.4
182 4.2 2.1 3.1#



#58
Fluorene
Concen: 43.124 ng
RT: 10.439 min Scan# 1419
Delta R.T. 0.006 min
Lab File: BF140918.D
Acq: 18 Dec 2024 20:41

Tgt Ion:166 Resp: 429445
Ion Ratio Lower Upper
166 100
165 93.4 75.1 112.7
167 14.4 11.1 16.7

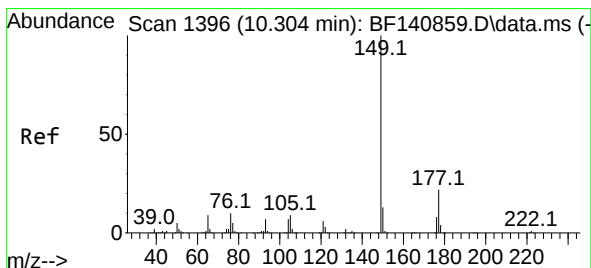
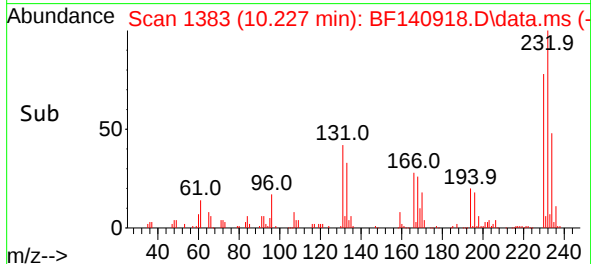
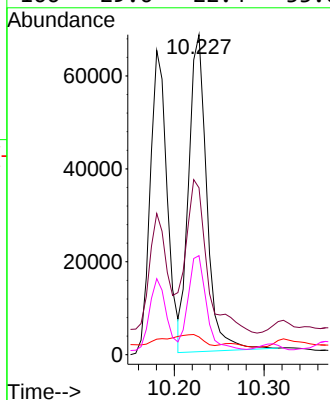
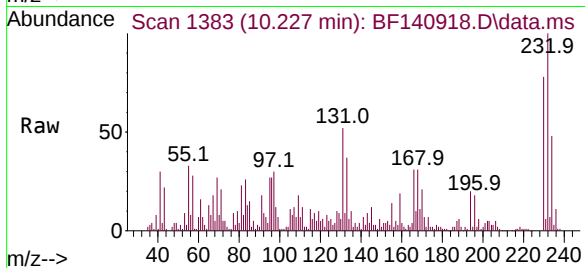




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.446 ng
RT: 10.227 min Scan# 1383
Delta R.T. 0.012 min
Lab File: BF140918.D
Acq: 18 Dec 2024 20:41

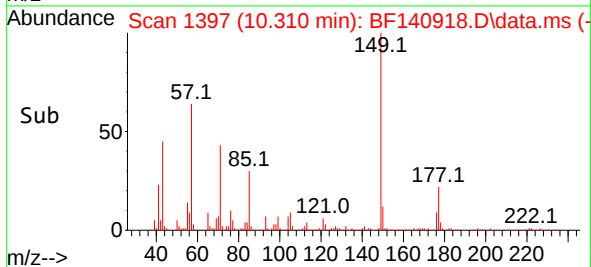
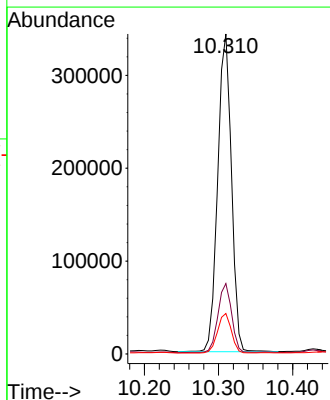
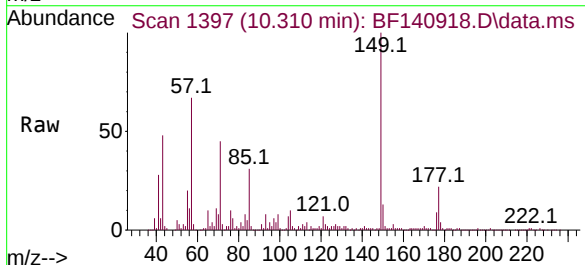
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

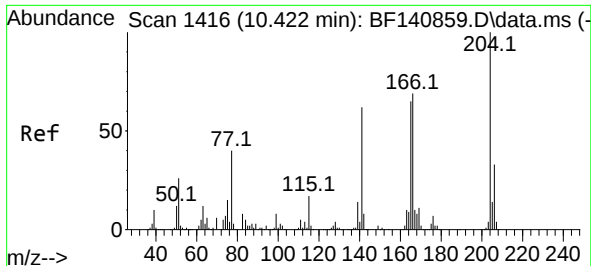
Tgt Ion:232 Resp: 95302
Ion Ratio Lower Upper
232 100
131 58.6 35.1 52.7#
130 8.2 1.8 2.8#
166 29.6 22.4 33.6



#60
Diethylphthalate
Concen: 44.026 ng
RT: 10.310 min Scan# 1397
Delta R.T. 0.006 min
Lab File: BF140918.D
Acq: 18 Dec 2024 20:41

Tgt Ion:149 Resp: 439069
Ion Ratio Lower Upper
149 100
177 22.0 17.2 25.8
150 12.6 10.1 15.1

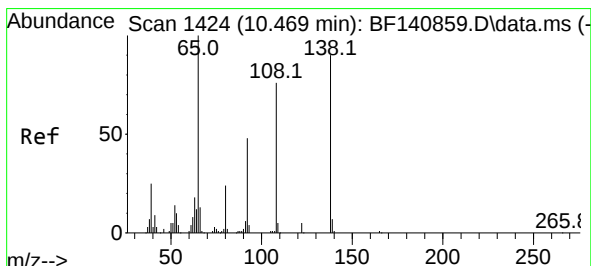
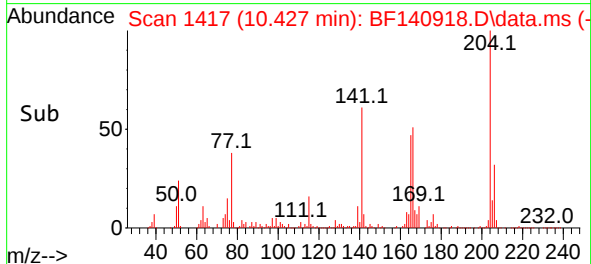
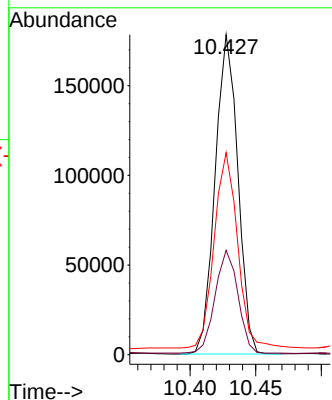
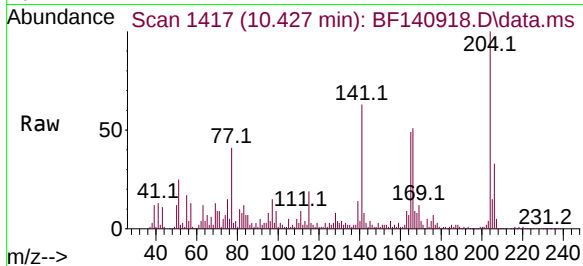




#61
4-Chlorophenyl-phenylether
Concen: 42.825 ng
RT: 10.427 min Scan# 1416
Delta R.T. 0.006 min
Lab File: BF140918.D
Acq: 18 Dec 2024 20:41

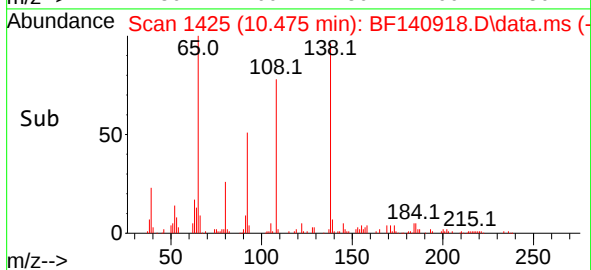
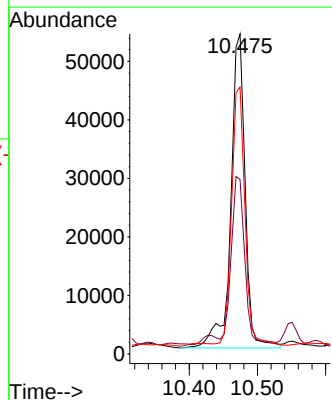
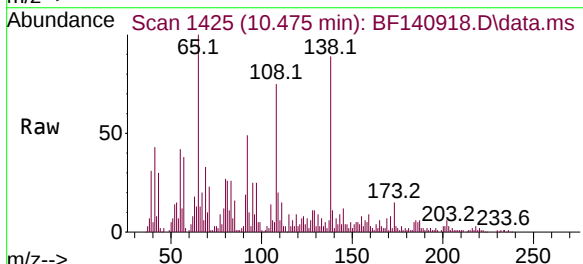
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

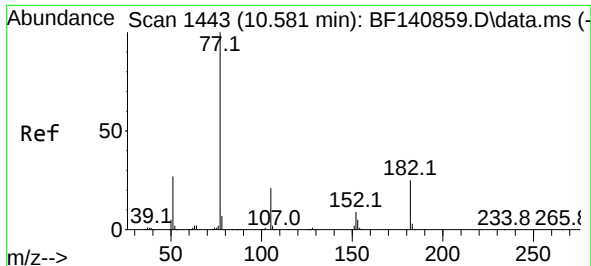
Tgt Ion:204 Resp: 214224
Ion Ratio Lower Upper
204 100
206 32.6 26.5 39.7
141 63.2 50.0 75.0



#62
4-Nitroaniline
Concen: 34.566 ng
RT: 10.475 min Scan# 1425
Delta R.T. 0.006 min
Lab File: BF140918.D
Acq: 18 Dec 2024 20:41

Tgt Ion:138 Resp: 78813
Ion Ratio Lower Upper
138 100
92 54.6 32.6 72.6
108 83.4 64.1 104.1

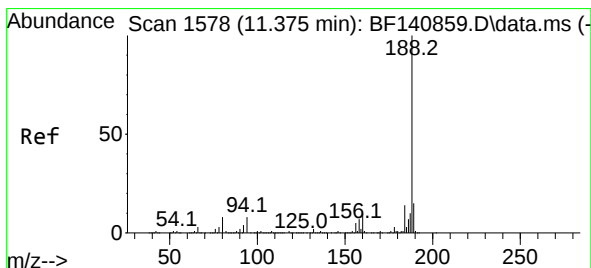
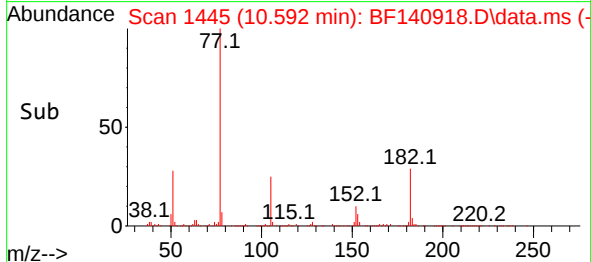
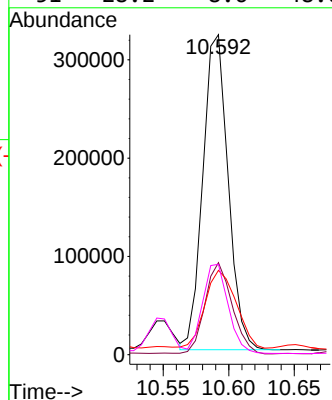
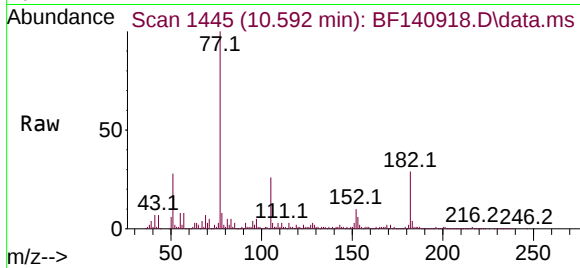




#63
Azobenzene
Concen: 45.951 ng
RT: 10.592 min Scan# 1443
Delta R.T. 0.012 min
Lab File: BF140918.D
Acq: 18 Dec 2024 20:41

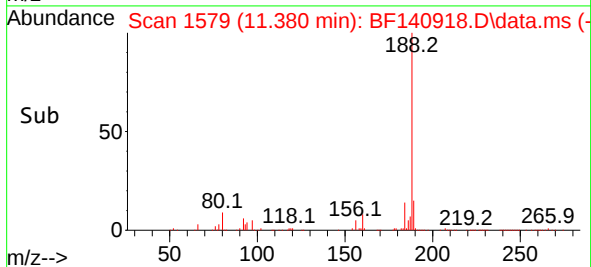
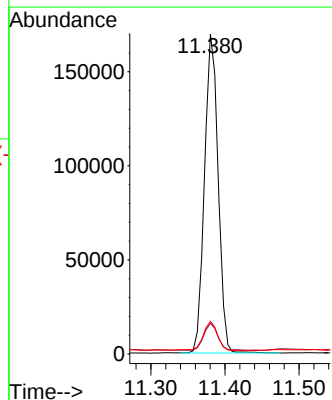
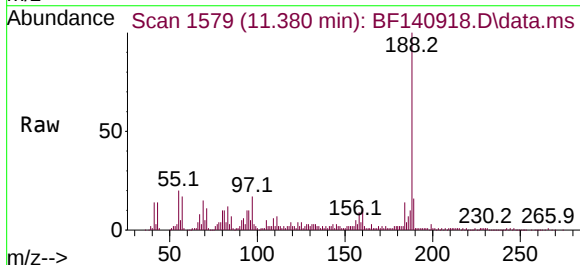
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

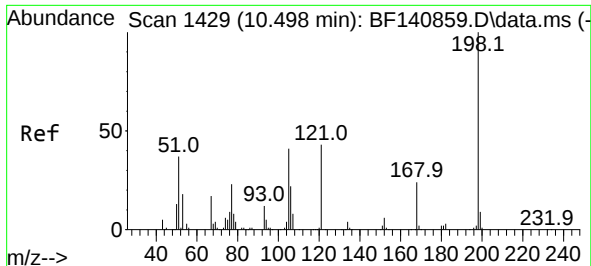
Tgt Ion: 77	Resp: 430826
Ion Ratio	Lower Upper
77 100	
182 28.8	4.5 44.5
105 26.3	0.9 40.9
51 28.2	8.6 48.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1579
Delta R.T. 0.006 min
Lab File: BF140918.D
Acq: 18 Dec 2024 20:41

Tgt Ion:188	Resp: 216508
Ion Ratio	Lower Upper
188 100	
94 9.6	6.4 9.6
80 10.2	6.8 10.2#

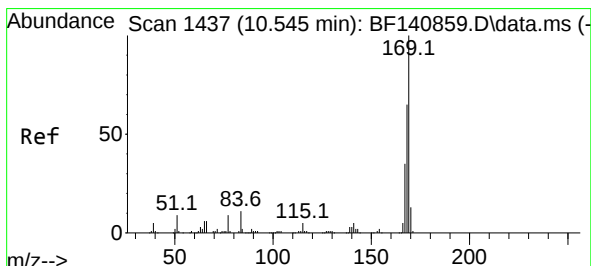
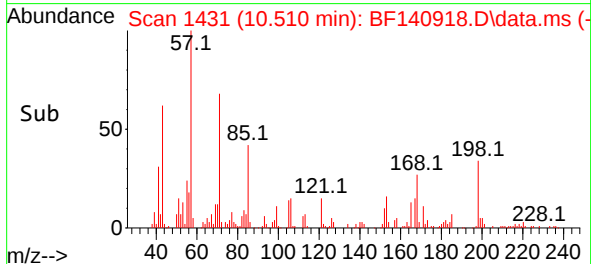
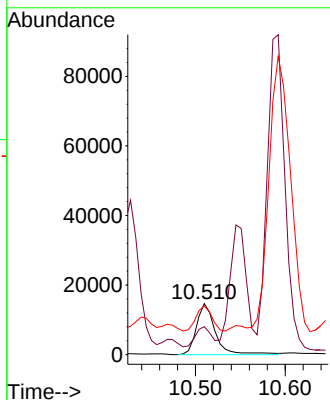
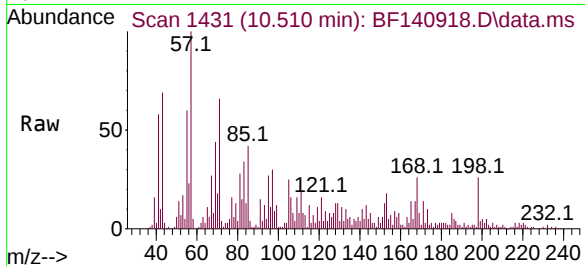




#65
4,6-Dinitro-2-methylphenol
Concen: 17.555 ng
RT: 10.510 min Scan# 1429
Delta R.T. 0.012 min
Lab File: BF140918.D
Acq: 18 Dec 2024 20:41

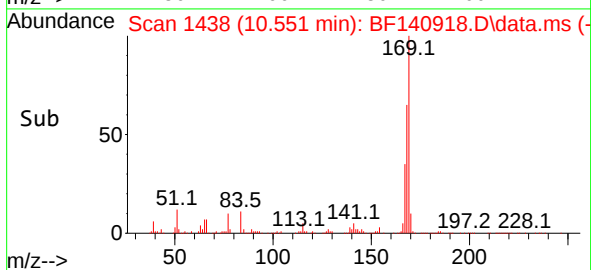
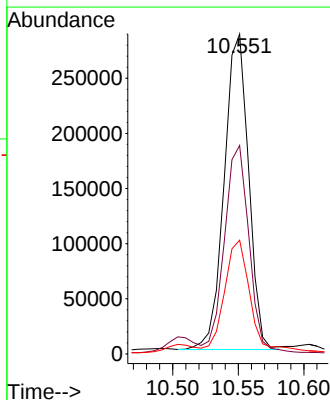
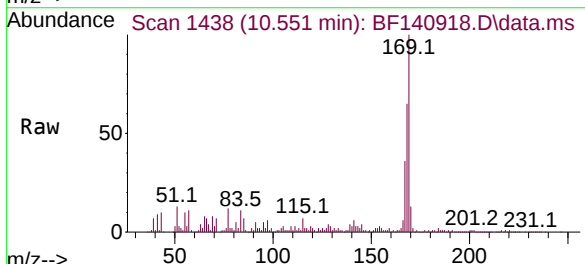
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

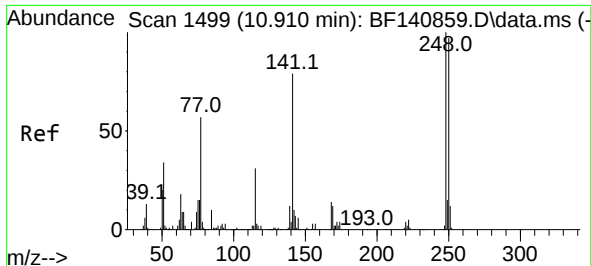
Tgt Ion:198 Resp: 21537
Ion Ratio Lower Upper
198 100
51 55.0 24.4 64.4
105 96.1 22.1 62.1#



#66
n-Nitrosodiphenylamine
Concen: 55.550 ng
RT: 10.551 min Scan# 1438
Delta R.T. 0.006 min
Lab File: BF140918.D
Acq: 18 Dec 2024 20:41

Tgt Ion:169 Resp: 369774
Ion Ratio Lower Upper
169 100
168 65.1 53.4 80.0
167 35.5 28.3 42.5

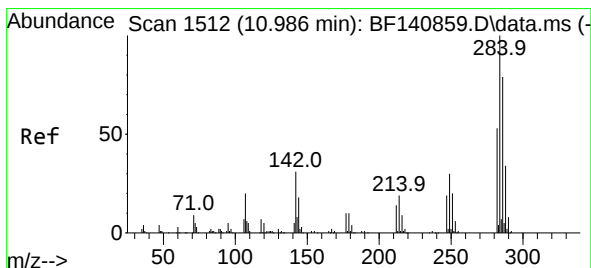
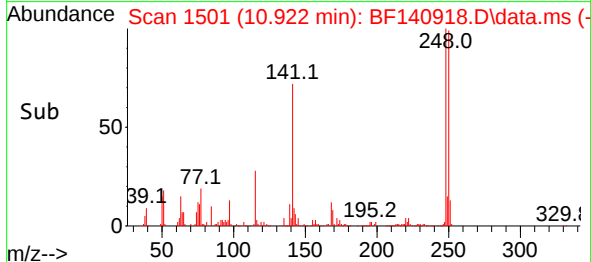
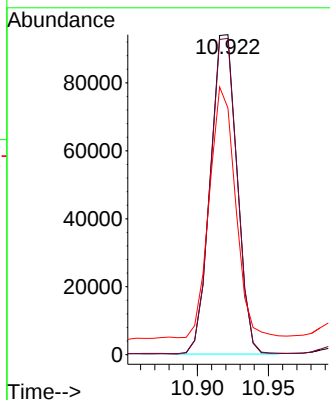
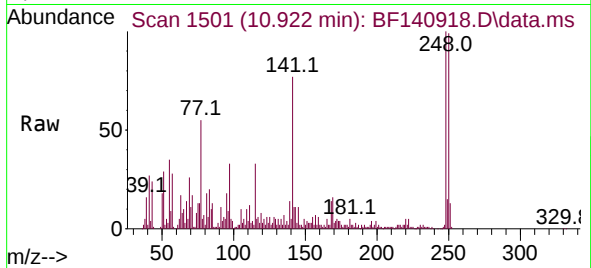




#67
4-Bromophenyl-phenylether
Concen: 50.856 ng
RT: 10.922 min Scan# 1513
Delta R.T. 0.012 min
Lab File: BF140918.D
Acq: 18 Dec 2024 20:41

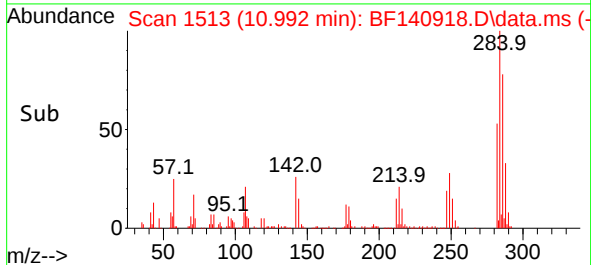
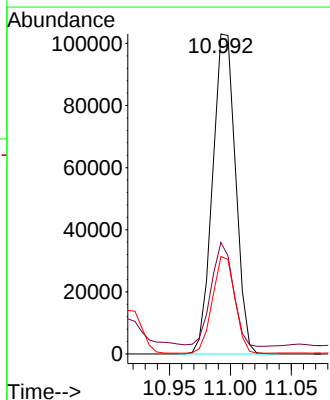
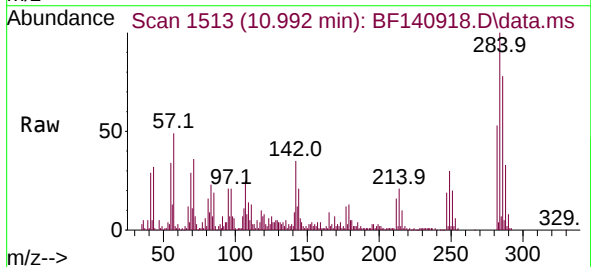
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

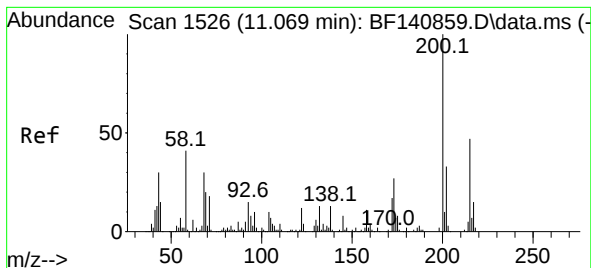
Tgt Ion:248 Resp: 123179
Ion Ratio Lower Upper
248 100
250 98.9 77.4 116.2
141 77.1 62.9 94.3



#68
Hexachlorobenzene
Concen: 49.204 ng
RT: 10.992 min Scan# 1513
Delta R.T. 0.006 min
Lab File: BF140918.D
Acq: 18 Dec 2024 20:41

Tgt Ion:284 Resp: 135124
Ion Ratio Lower Upper
284 100
142 34.9 24.6 36.8
249 30.5 24.3 36.5





#69

Atrazine

Concen: 66.883 ng

RT: 11.080 min Scan# 1528

Delta R.T. 0.012 min

Lab File: BF140918.D

Acq: 18 Dec 2024 20:41

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

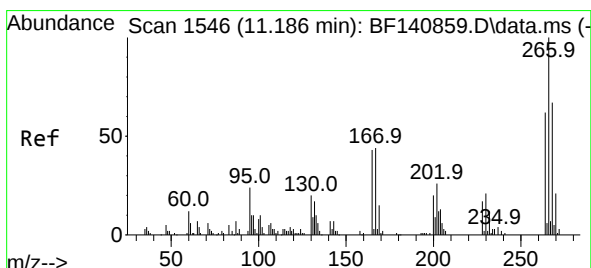
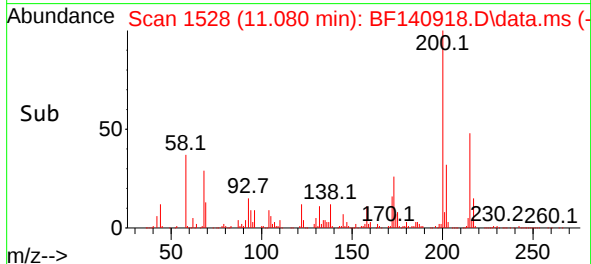
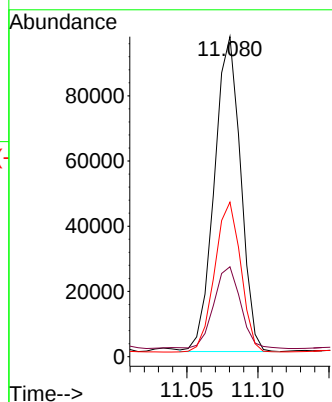
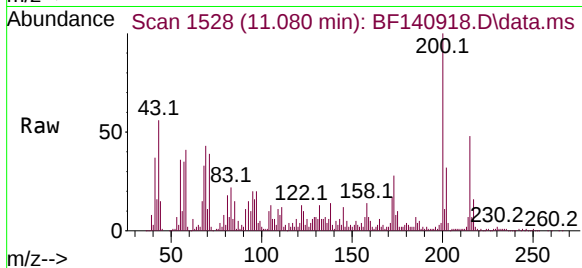
Tgt Ion:200 Resp: 124344

Ion Ratio Lower Upper

200 100

173 28.1 6.6 46.6

215 48.3 26.7 66.7



#70

Pentachlorophenol

Concen: 106.572 ng

RT: 11.198 min Scan# 1548

Delta R.T. 0.012 min

Lab File: BF140918.D

Acq: 18 Dec 2024 20:41

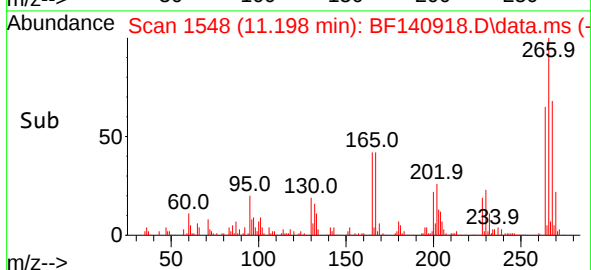
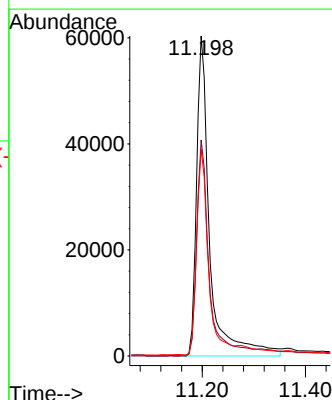
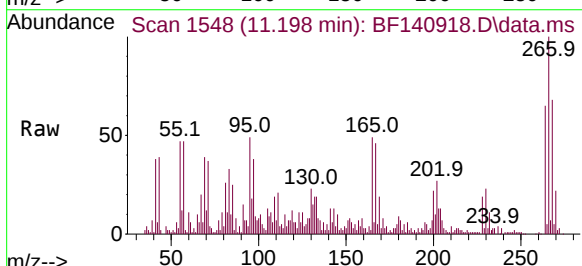
Tgt Ion:266 Resp: 107001

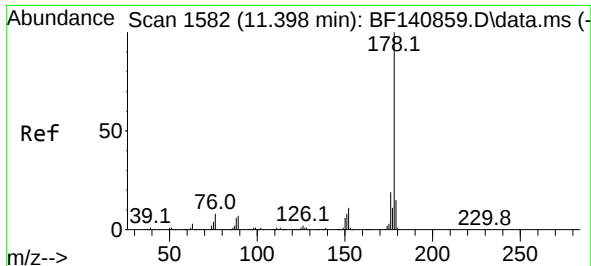
Ion Ratio Lower Upper

266 100

268 67.5 54.0 81.0

264 64.6 49.4 74.2

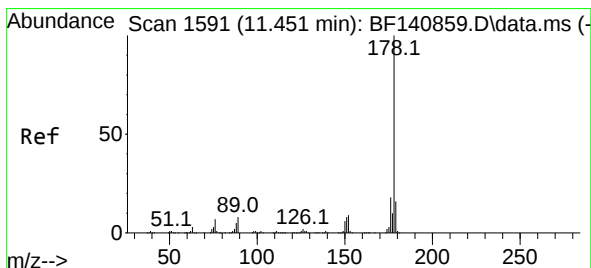
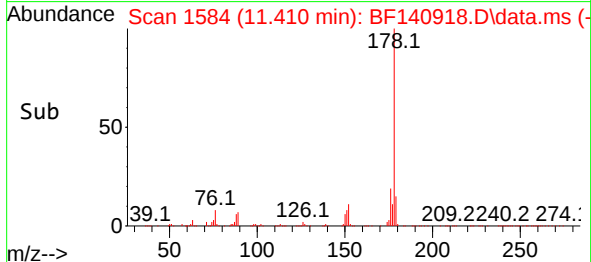
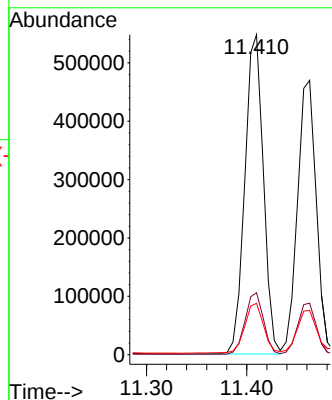
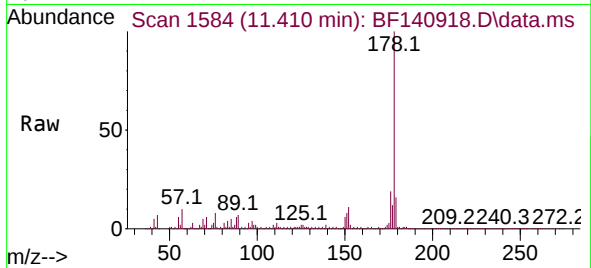




#71
Phenanthrene
Concen: 63.218 ng
RT: 11.410 min Scan# 1584
Delta R.T. 0.012 min
Lab File: BF140918.D
Acq: 18 Dec 2024 20:41

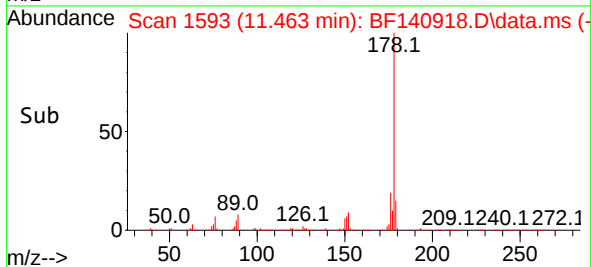
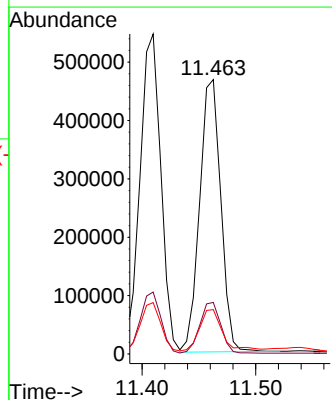
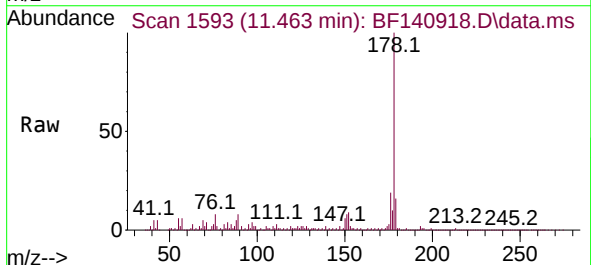
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

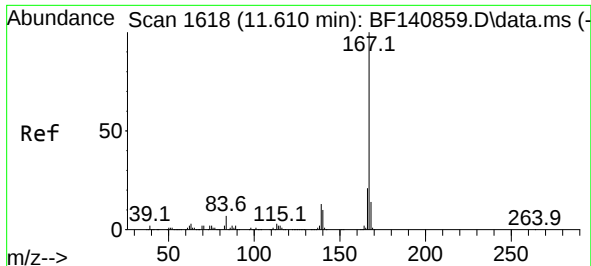
Tgt Ion:178 Resp: 703849
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 16.0 12.1 18.1



#72
Anthracene
Concen: 55.113 ng
RT: 11.463 min Scan# 1593
Delta R.T. 0.012 min
Lab File: BF140918.D
Acq: 18 Dec 2024 20:41

Tgt Ion:178 Resp: 604295
Ion Ratio Lower Upper
178 100
176 18.8 14.6 22.0
179 16.2 12.6 18.8

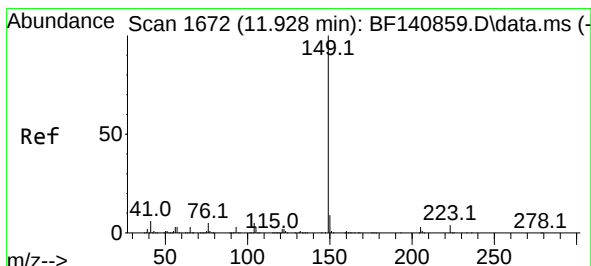
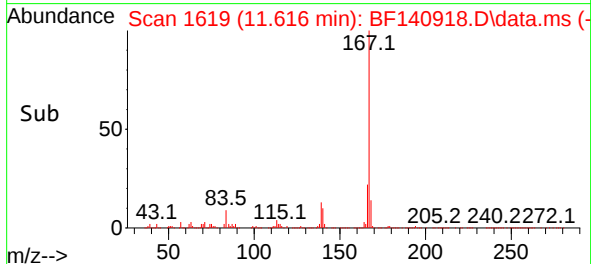
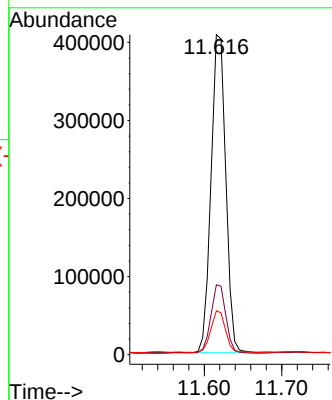
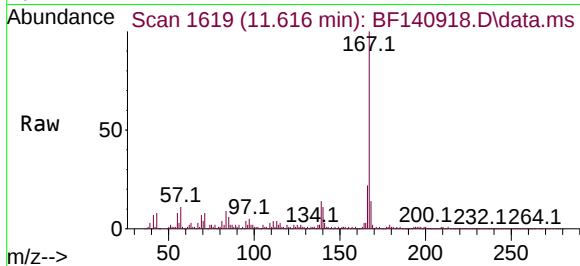




#73
Carbazole
Concen: 50.254 ng
RT: 11.616 min Scan# 1618
Delta R.T. 0.006 min
Lab File: BF140918.D
Acq: 18 Dec 2024 20:41

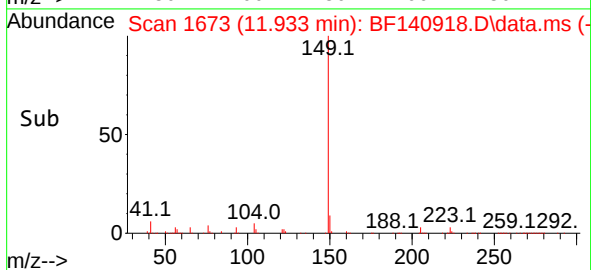
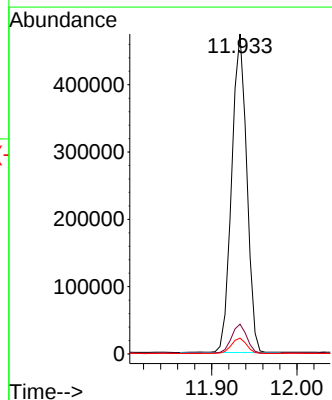
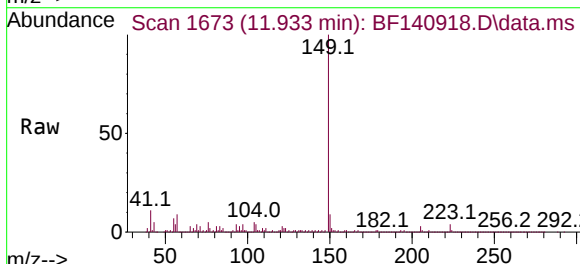
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

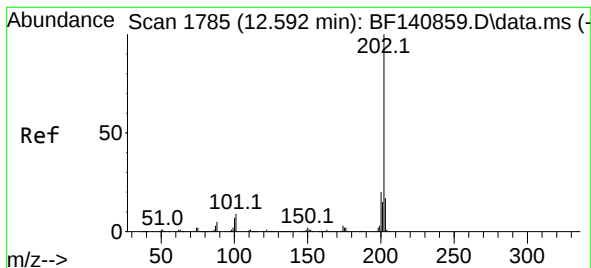
Tgt Ion:167 Resp: 539705
Ion Ratio Lower Upper
167 100
166 21.9 17.0 25.6
139 13.7 10.2 15.2



#74
Di-n-butylphthalate
Concen: 46.169 ng
RT: 11.933 min Scan# 1673
Delta R.T. 0.006 min
Lab File: BF140918.D
Acq: 18 Dec 2024 20:41

Tgt Ion:149 Resp: 581923
Ion Ratio Lower Upper
149 100
150 9.3 7.5 11.3
104 5.0 3.8 5.8





#75

Fluoranthene

Concen: 58.175 ng

RT: 12.598 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF140918.D

Acq: 18 Dec 2024 20:41

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

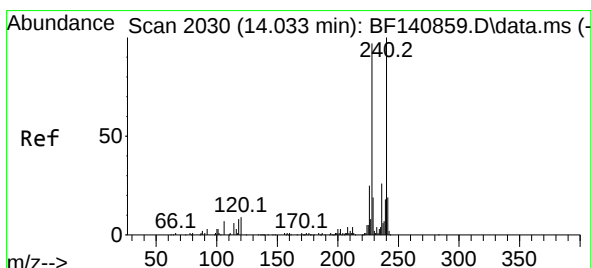
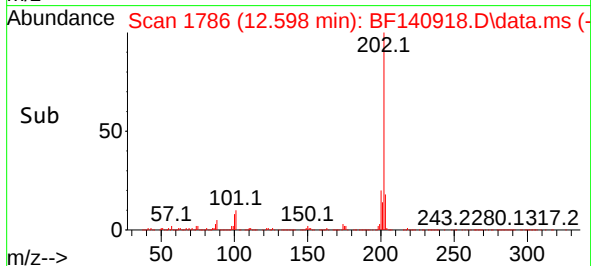
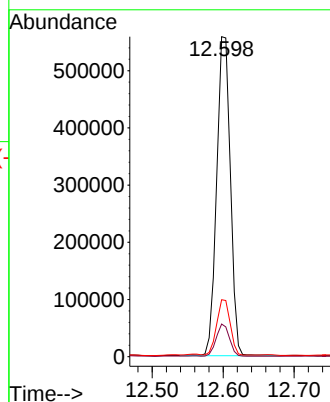
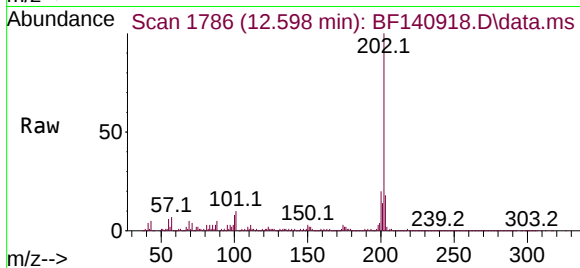
Tgt Ion:202 Resp: 745943

Ion Ratio Lower Upper

202 100

101 10.2 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: BF140918.D

Acq: 18 Dec 2024 20:41

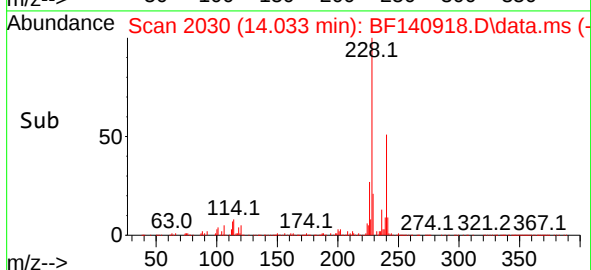
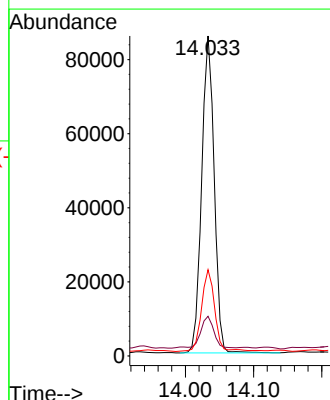
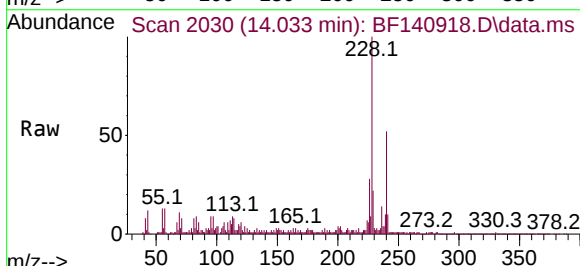
Tgt Ion:240 Resp: 109017

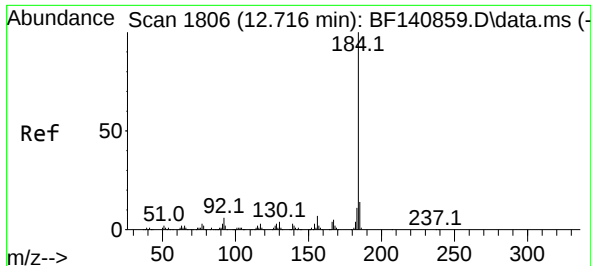
Ion Ratio Lower Upper

240 100

120 12.4 7.6 11.4#

236 27.0 20.5 30.7

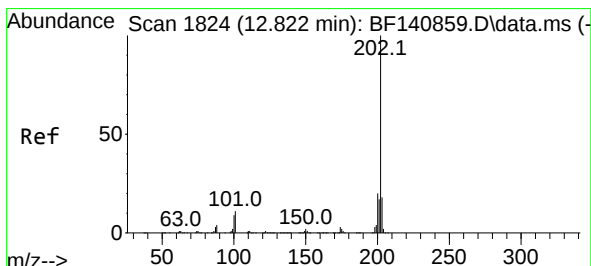
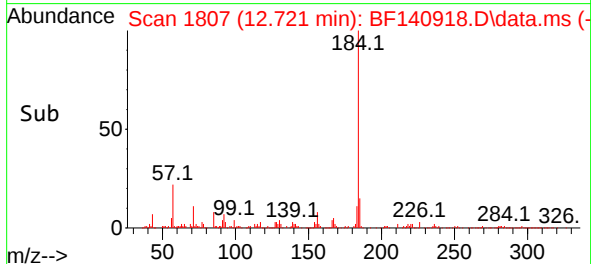
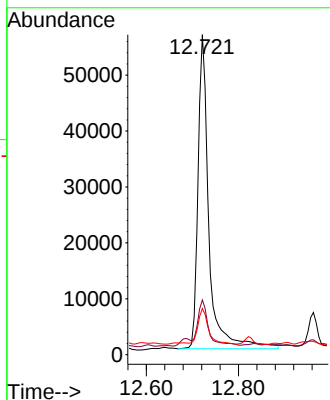
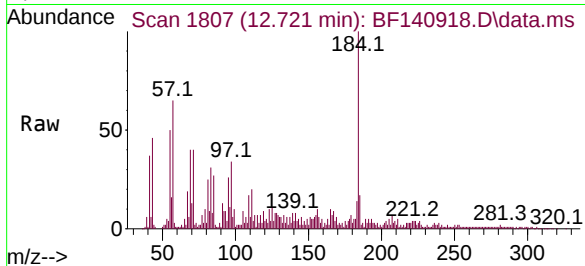




#77
Benzidine
Concen: 41.613 ng
RT: 12.721 min Scan# 1807
Delta R.T. 0.005 min
Lab File: BF140918.D
Acq: 18 Dec 2024 20:41

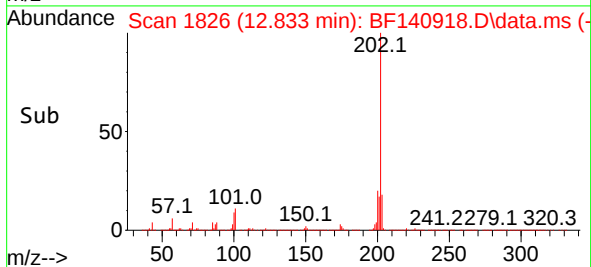
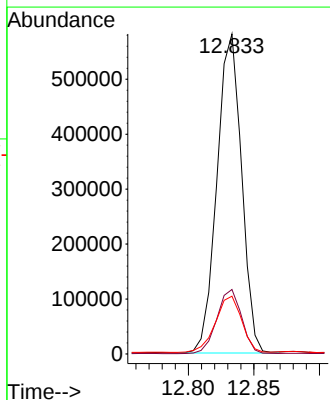
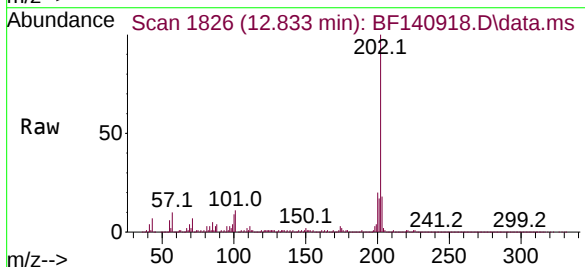
Instrument :
BNA_F
ClientSampleId :
HR-04-121624MSD

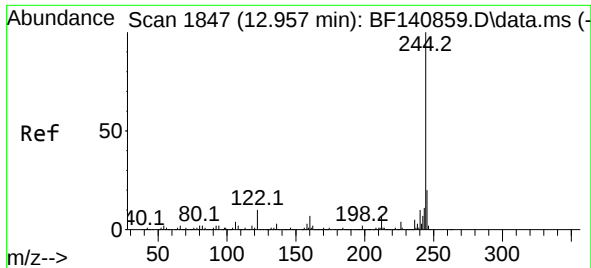
Tgt Ion:184 Resp: 92588
Ion Ratio Lower Upper
184 100
185 17.1 11.1 16.7#
183 14.4 9.0 13.4#



#78
Pyrene
Concen: 78.076 ng
RT: 12.833 min Scan# 1826
Delta R.T. 0.012 min
Lab File: BF140918.D
Acq: 18 Dec 2024 20:41

Tgt Ion:202 Resp: 756898
Ion Ratio Lower Upper
202 100
200 20.1 16.1 24.1
203 18.1 14.2 21.4

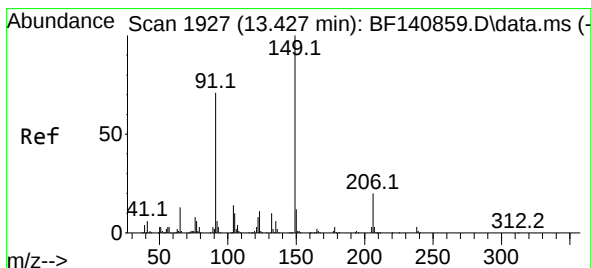
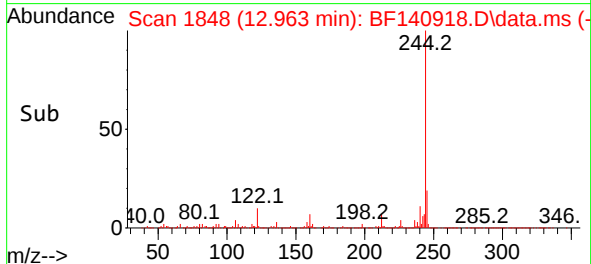
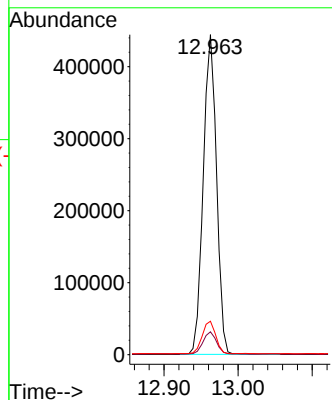
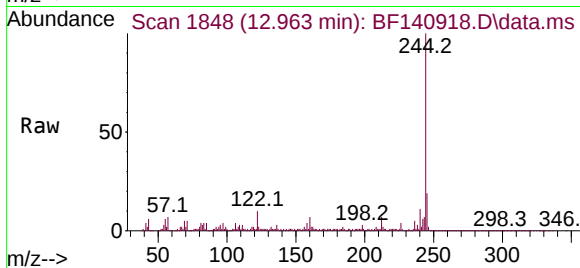




#79
 Terphenyl-d14
 Concen: 79.969 ng
 RT: 12.963 min Scan# 1847
 Delta R.T. 0.006 min
 Lab File: BF140918.D
 Acq: 18 Dec 2024 20:41

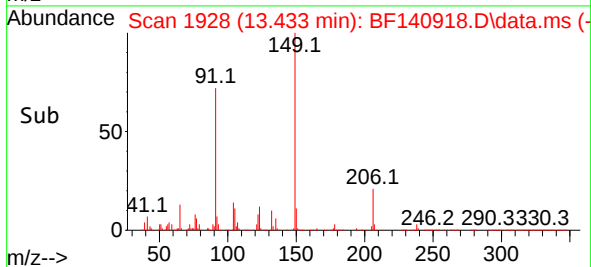
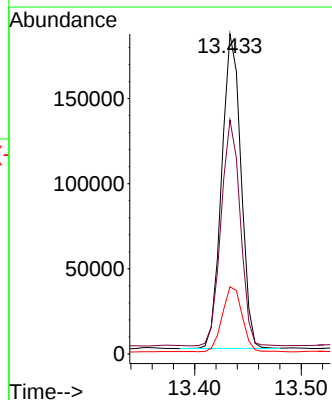
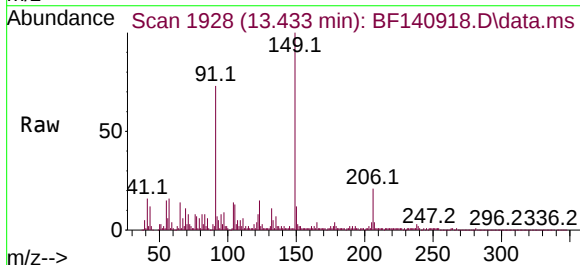
Instrument :
 BNA_F
 ClientSampleId :
 HR-04-121624MSD

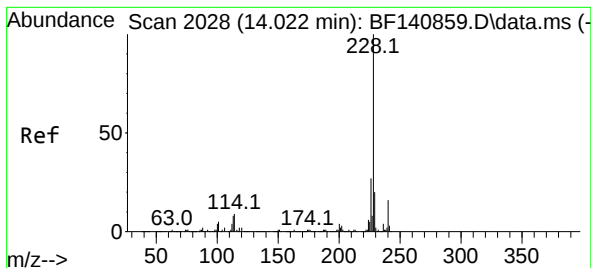
Tgt Ion:244 Resp: 552869
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.6 8.4
 122 10.4 8.2 12.2



#80
 Butylbenzylphthalate
 Concen: 65.019 ng
 RT: 13.433 min Scan# 1928
 Delta R.T. 0.006 min
 Lab File: BF140918.D
 Acq: 18 Dec 2024 20:41

Tgt Ion:149 Resp: 231928
 Ion Ratio Lower Upper
 149 100
 91 73.2 56.7 85.1
 206 21.0 16.4 24.6





#81

Benzo(a)anthracene

Concen: 57.566 ng

RT: 14.021 min Scan# 2028

Delta R.T. -0.000 min

Lab File: BF140918.D

Acq: 18 Dec 2024 20:41

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

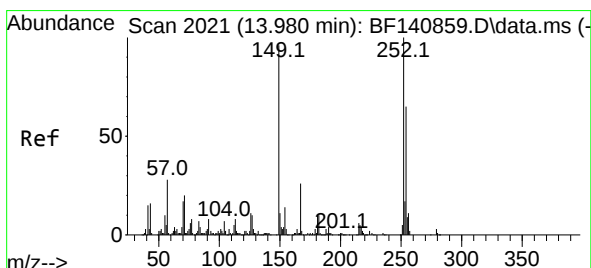
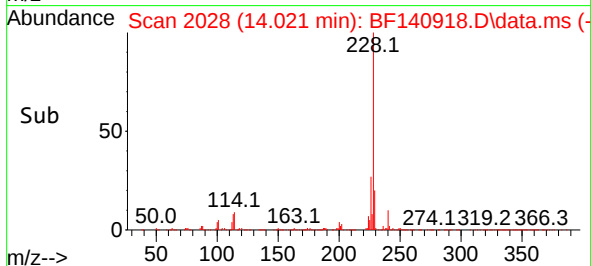
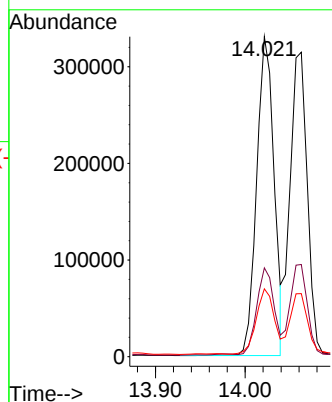
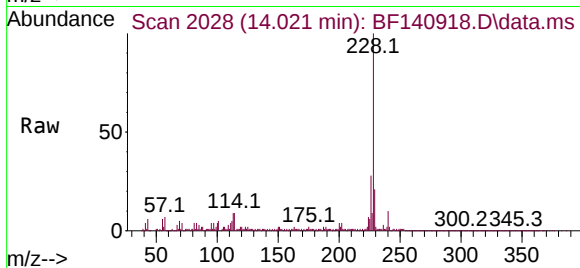
Tgt Ion:228 Resp: 444776

Ion Ratio Lower Upper

228 100

226 27.7 21.8 32.8

229 21.2 15.8 23.8



#82

3,3'-Dichlorobenzidine

Concen: 35.011 ng

RT: 13.980 min Scan# 2021

Delta R.T. -0.000 min

Lab File: BF140918.D

Acq: 18 Dec 2024 20:41

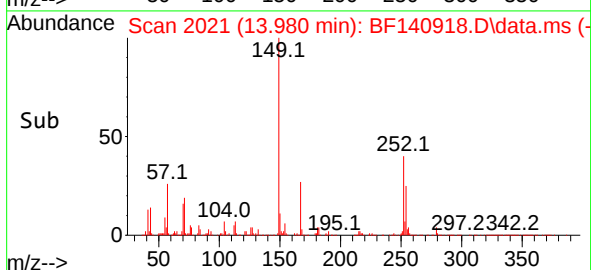
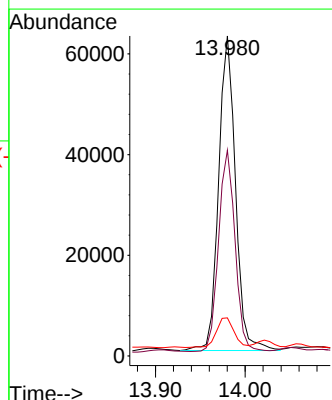
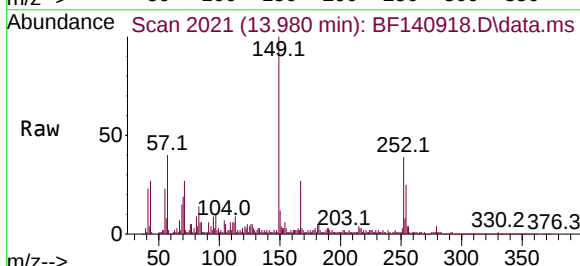
Tgt Ion:252 Resp: 81613

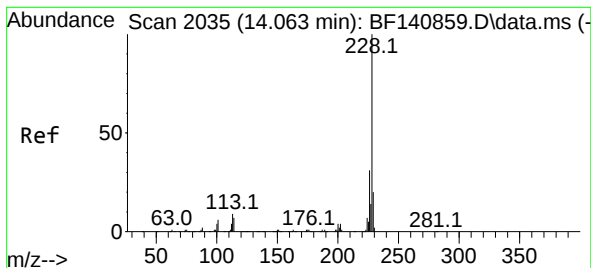
Ion Ratio Lower Upper

252 100

254 64.3 52.3 78.5

126 11.9 8.4 12.6





#83

Chrysene

Concen: 59.110 ng

RT: 14.063 min Scan# 2035

Delta R.T. -0.000 min

Lab File: BF140918.D

Acq: 18 Dec 2024 20:41

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

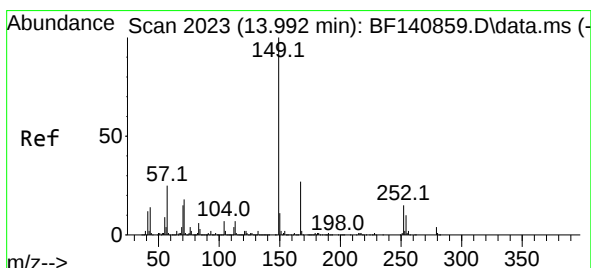
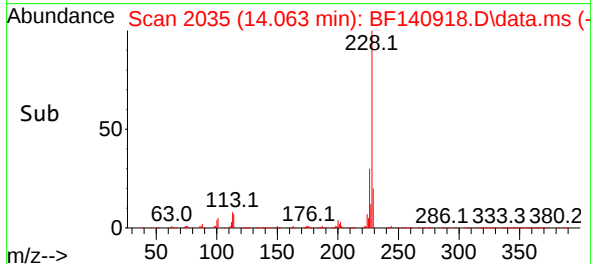
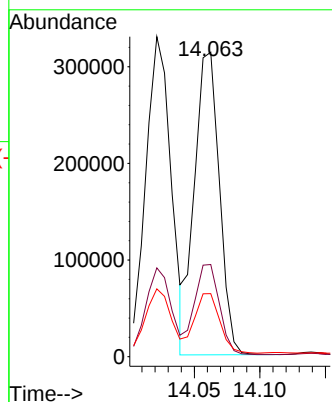
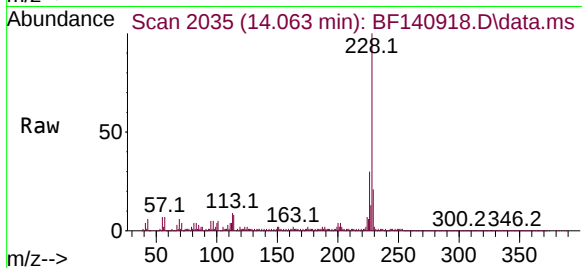
Tgt Ion:228 Resp: 415302

Ion Ratio Lower Upper

228 100

226 30.3 24.1 36.1

229 20.7 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 74.348 ng

RT: 13.992 min Scan# 2023

Delta R.T. -0.000 min

Lab File: BF140918.D

Acq: 18 Dec 2024 20:41

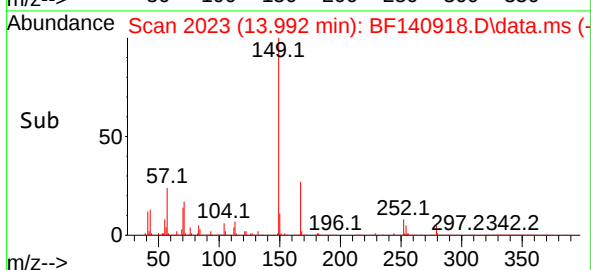
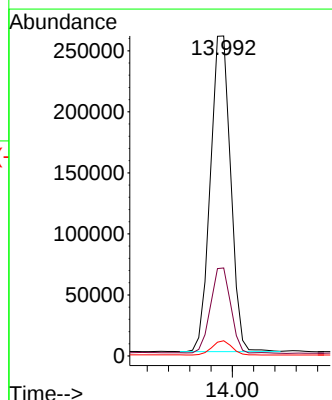
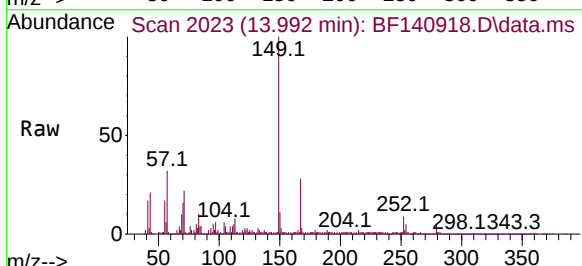
Tgt Ion:149 Resp: 341965

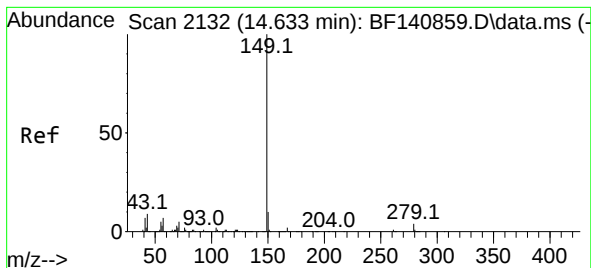
Ion Ratio Lower Upper

149 100

167 27.5 21.8 32.8

279 4.8 3.5 5.3





#85

Di-n-octyl phthalate

Concen: 67.459 ng

RT: 14.604 min Scan# 21

Delta R.T. -0.030 min

Lab File: BF140918.D

Acq: 18 Dec 2024 20:41

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

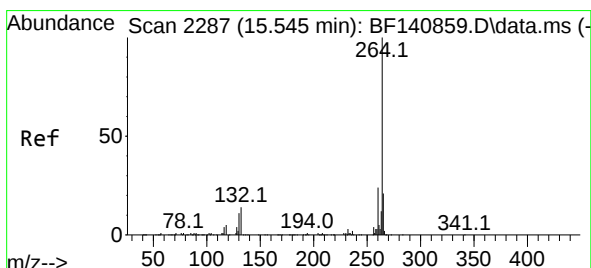
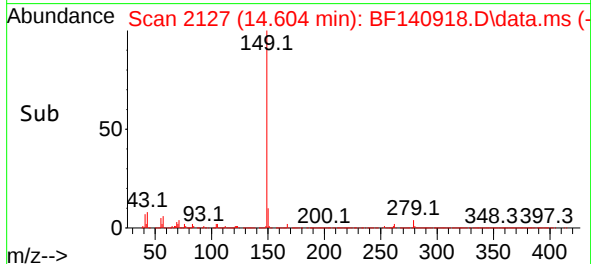
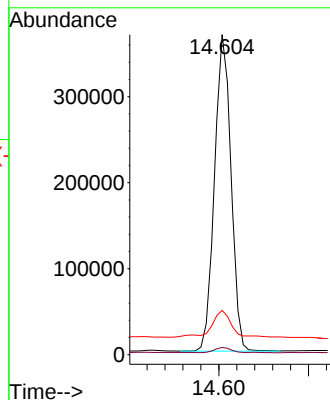
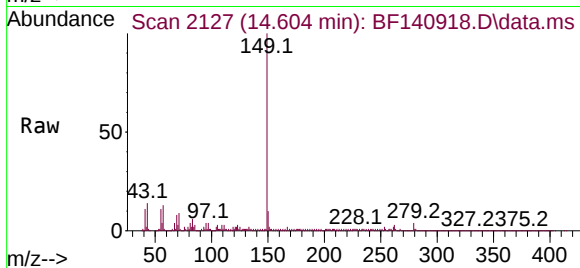
Tgt Ion:149 Resp: 469411

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 10.2 7.0 10.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 2283

Delta R.T. -0.024 min

Lab File: BF140918.D

Acq: 18 Dec 2024 20:41

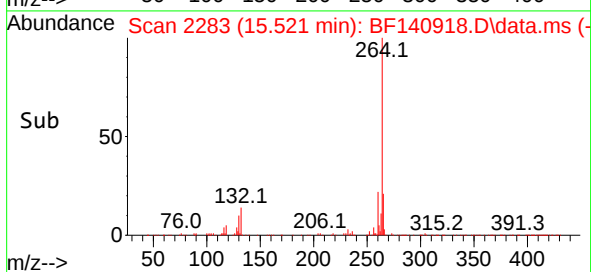
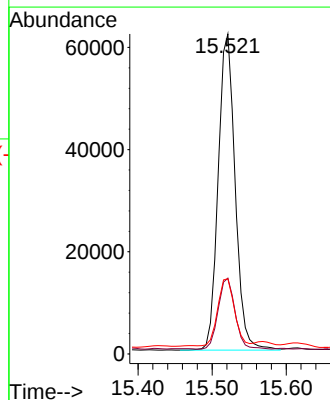
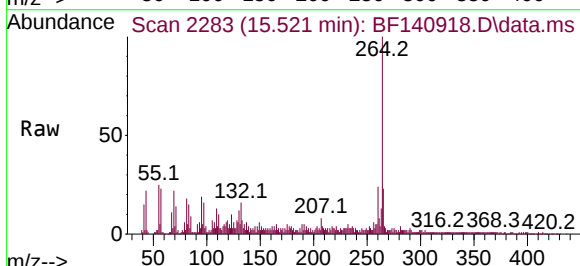
Tgt Ion:264 Resp: 98427

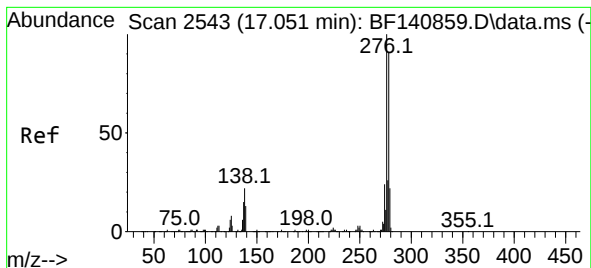
Ion Ratio Lower Upper

264 100

260 23.7 19.1 28.7

265 23.5 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 52.211 ng

RT: 17.033 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF140918.D

Acq: 18 Dec 2024 20:41

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

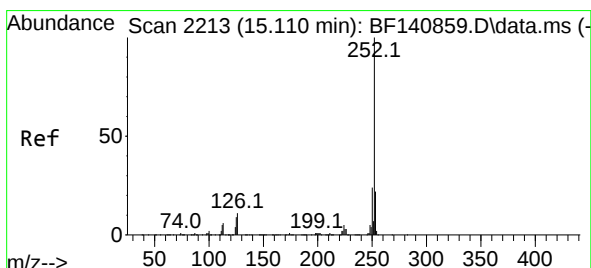
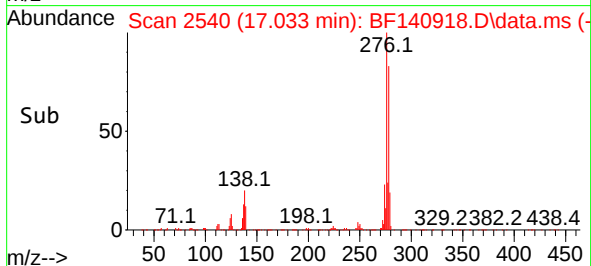
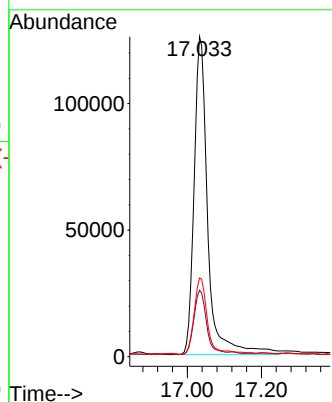
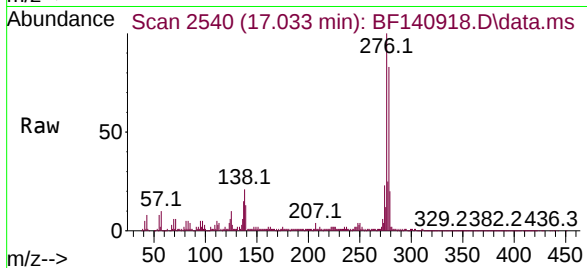
Tgt Ion:276 Resp: 320694

Ion Ratio Lower Upper

276 100

138 18.8 16.9 25.3

277 23.7 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 52.983 ng

RT: 15.086 min Scan# 2209

Delta R.T. -0.024 min

Lab File: BF140918.D

Acq: 18 Dec 2024 20:41

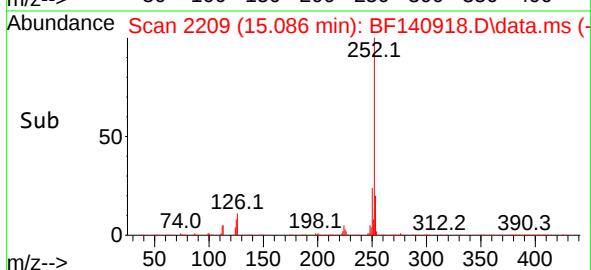
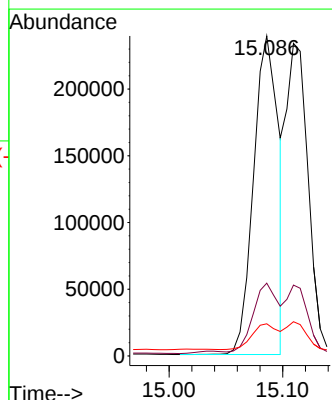
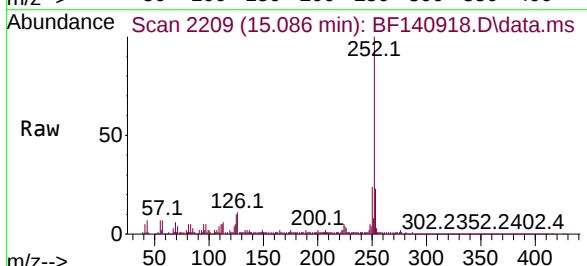
Tgt Ion:252 Resp: 361994

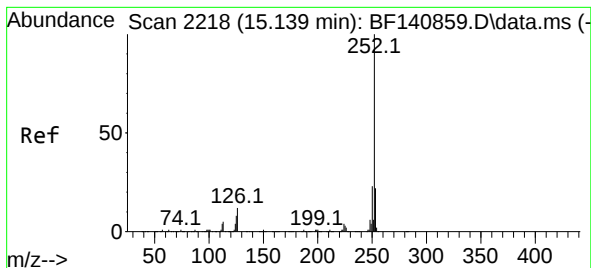
Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.6

125 10.1 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 61.766 ng

RT: 15.086 min Scan# 2218

Delta R.T. -0.053 min

Lab File: BF140918.D

Acq: 18 Dec 2024 20:41

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

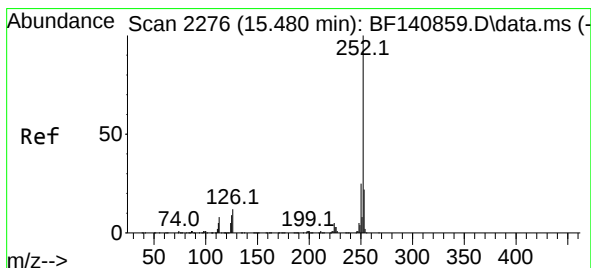
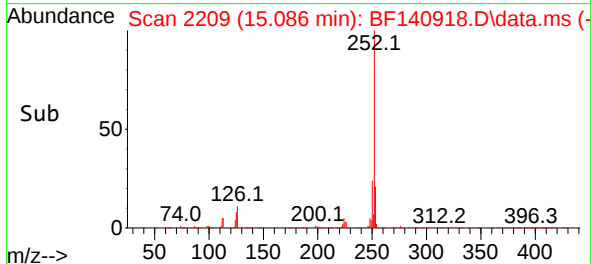
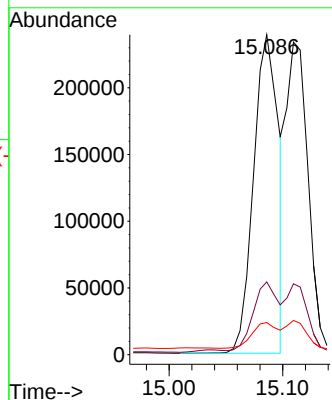
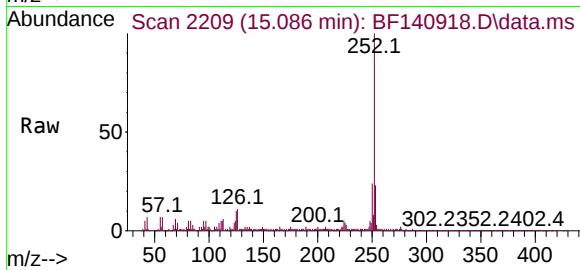
Tgt Ion:252 Resp: 361994

Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

125 10.1 6.8 10.2



#90

Benzo(a)pyrene

Concen: 59.193 ng

RT: 15.457 min Scan# 2272

Delta R.T. -0.024 min

Lab File: BF140918.D

Acq: 18 Dec 2024 20:41

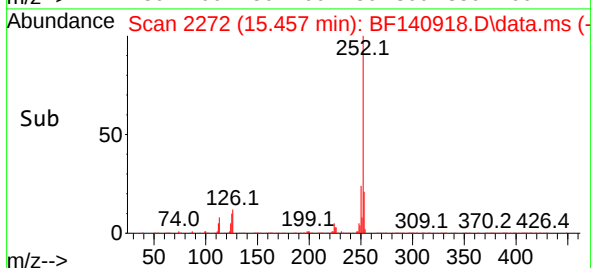
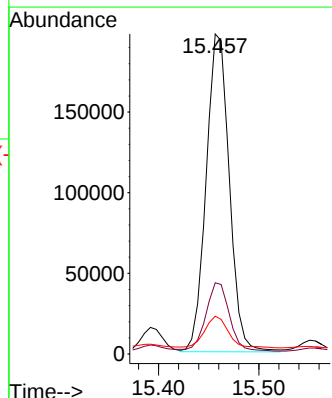
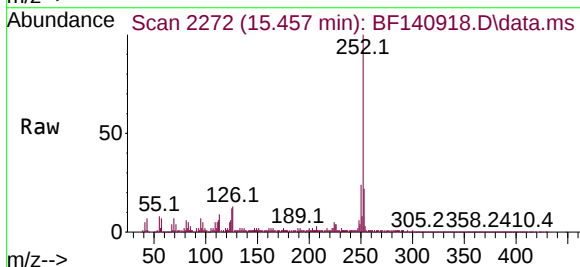
Tgt Ion:252 Resp: 316678

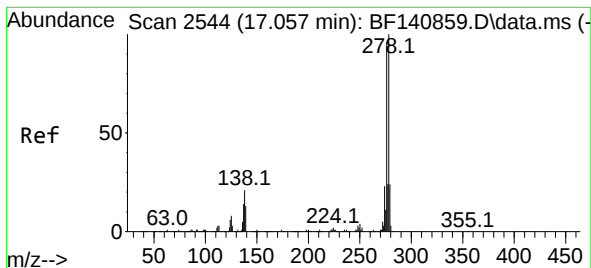
Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 11.8 7.5 11.3#





#91

Dibenzo(a,h)anthracene

Concen: 50.238 ng

RT: 17.039 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF140918.D

Acq: 18 Dec 2024 20:41

Instrument :

BNA_F

ClientSampleId :

HR-04-121624MSD

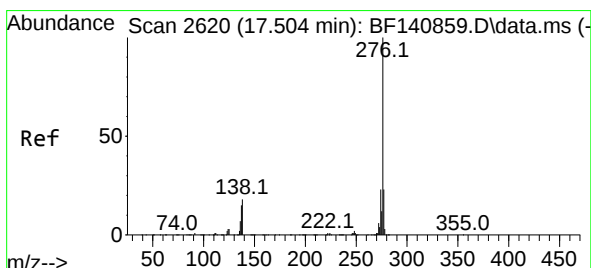
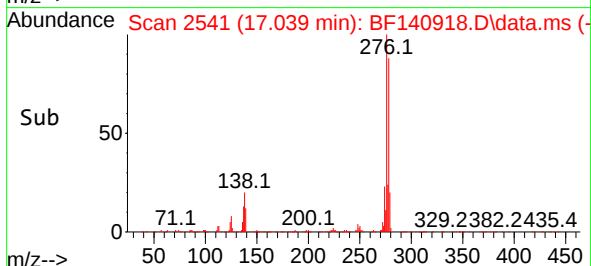
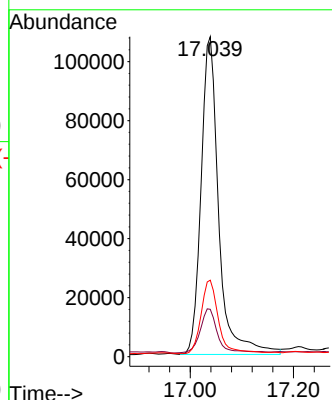
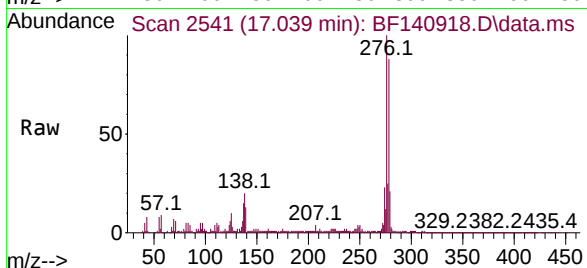
Tgt Ion:278 Resp: 255636

Ion Ratio Lower Upper

278 100

139 14.8 10.6 16.0

279 23.9 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 45.465 ng

RT: 17.492 min Scan# 2618

Delta R.T. -0.012 min

Lab File: BF140918.D

Acq: 18 Dec 2024 20:41

Tgt Ion:276 Resp: 235462

Ion Ratio Lower Upper

276 100

277 24.0 18.7 28.1

138 19.2 14.2 21.2

