

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121924\
 Data File : BF140924.D
 Acq On : 19 Dec 2024 14:21
 Operator : RC/JU
 Sample : P5291-06DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW3-20241213DL

Quant Time: Dec 19 14:42:41 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)

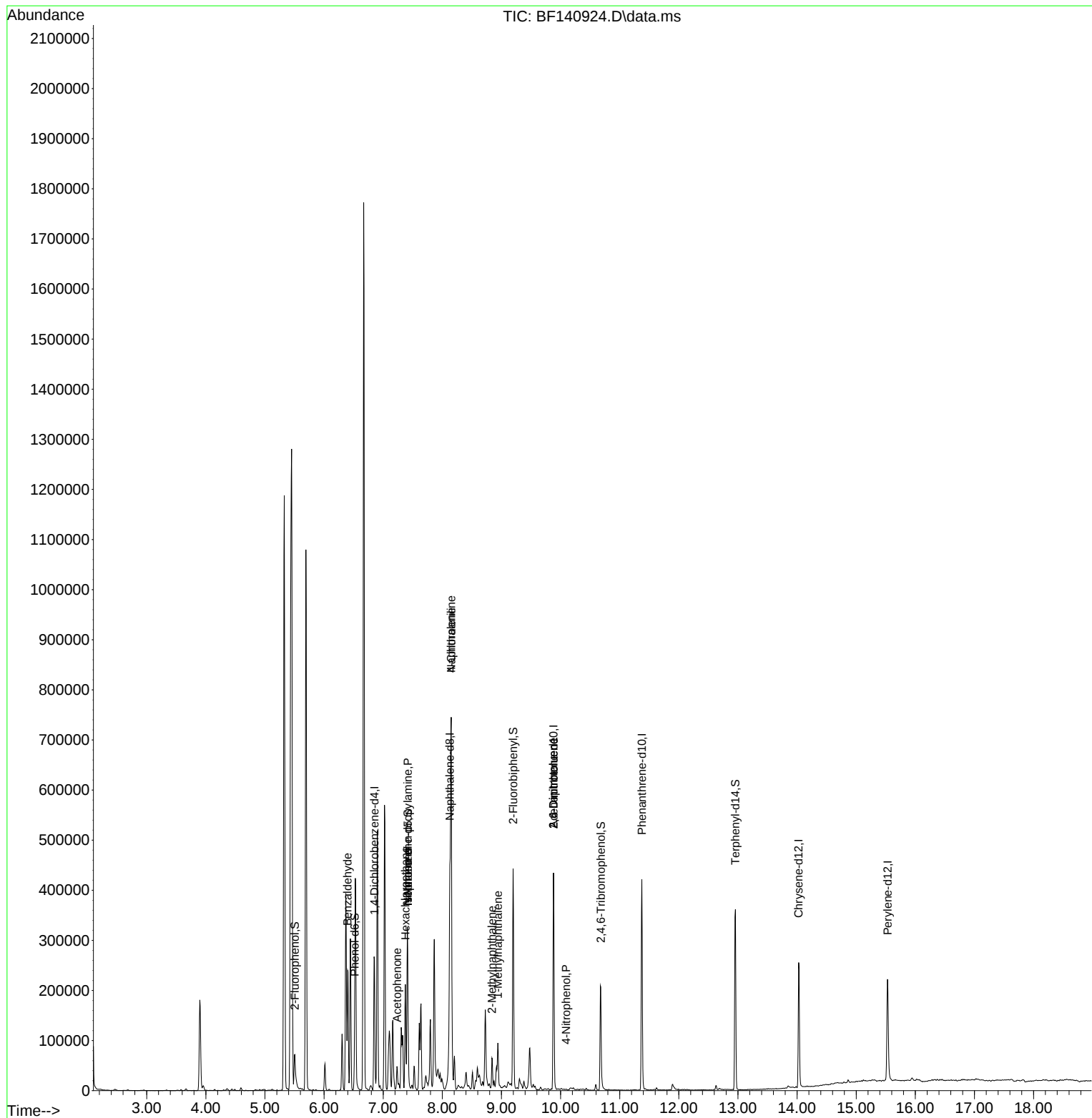
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	62503	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	247280	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	131466	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	224739	20.000	ng	0.00
76) Chrysene-d12	14.027	240	136937	20.000	ng	0.00
86) Perylene-d12	15.533	264	140691	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	41618	10.961	ng	0.02
7) Phenol-d6	6.516	99	33357	6.633	ng	0.02
23) Nitrobenzene-d5	7.416	82	93477	18.913	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	42146	27.106	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	198635	20.773	ng	0.00
79) Terphenyl-d14	12.957	244	186313	21.454	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.398	77	14413	5.172	ng	# 1
18) Hexachloroethane	7.375	117	20852	11.696	ng	# 1
19) n-Nitroso-di-n-propyla...	7.416	70	11935	3.956	ng	# 80
22) Acetophenone	7.234	105	31253	5.052	ng	# 55
25) Isophorone	7.416	82	93476	11.287	ng	# 65
31) Naphthalene	8.151	128	450546	33.169	ng	100
33) 4-Chloroaniline	8.151	127	58831	13.041	ng	# 32
37) 2-Methylnaphthalene	8.839	142	23543	2.620	ng	95
38) 1-Methylnaphthalene	8.939	142	30569	3.440	ng	97
51) 2,6-Dinitrotoluene	9.880	165	16887	7.970	ng	# 22
56) 4-Nitrophenol	10.092	139	383	4.762	ng	# 5
57) 2,4-Dinitrotoluene	9.880	165	16887	6.057	ng	# 16

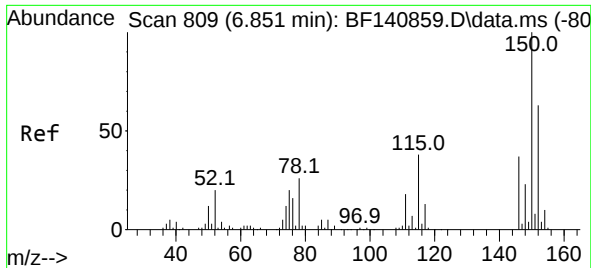
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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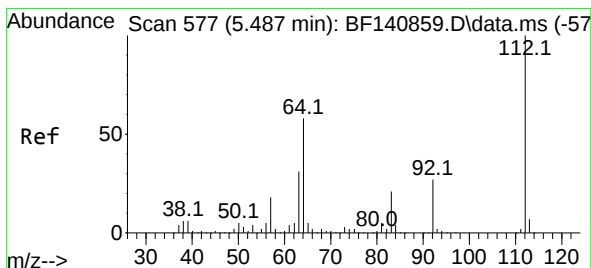
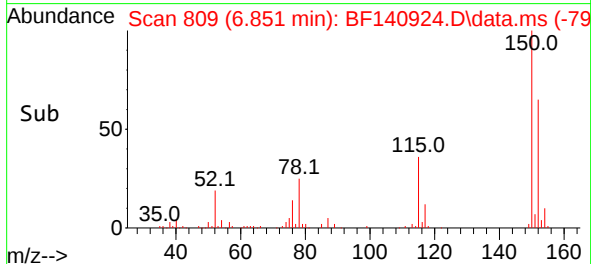
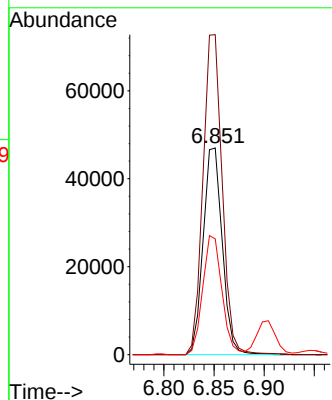
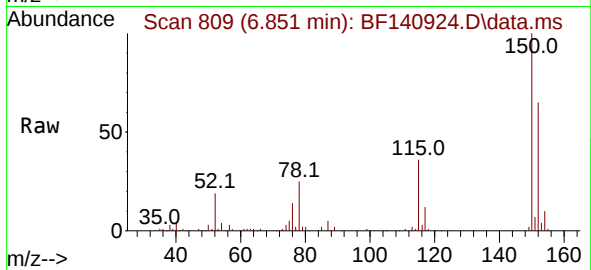




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 809
Delta R.T. 0.000 min
Lab File: BF140924.D
Acq: 19 Dec 2024 14:21

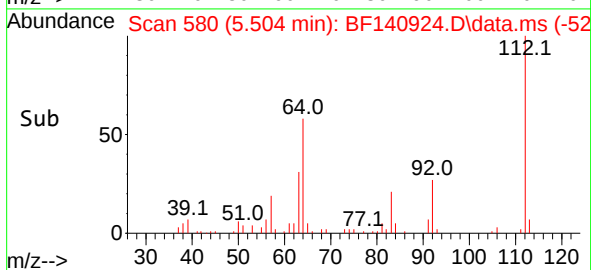
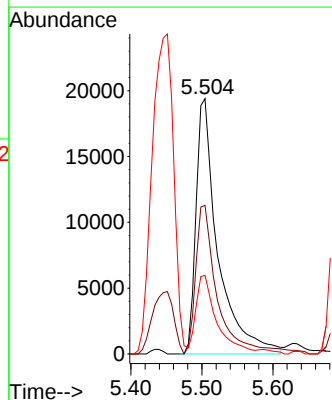
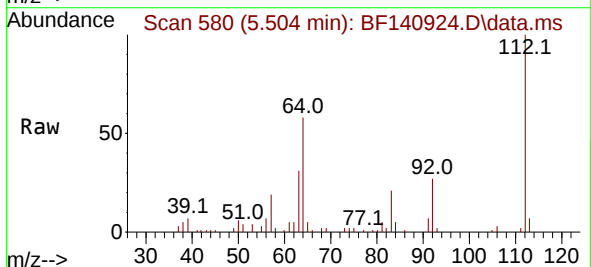
Instrument :
BNA_F
ClientSampleId :
MW3-20241213DL

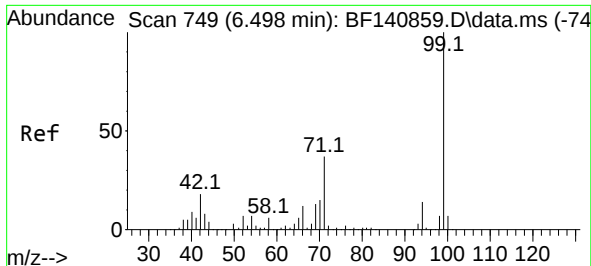
Tgt Ion:152 Resp: 62503
Ion Ratio Lower Upper
152 100
150 154.8 127.9 191.9
115 56.0 48.0 72.0



#5
2-Fluorophenol
Concen: 10.961 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.018 min
Lab File: BF140924.D
Acq: 19 Dec 2024 14:21

Tgt Ion:112 Resp: 41618
Ion Ratio Lower Upper
112 100
64 58.2 46.1 69.1
63 30.8 24.9 37.3

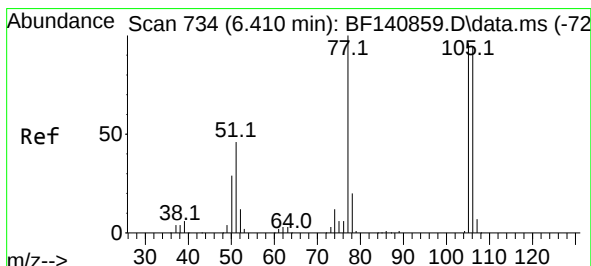
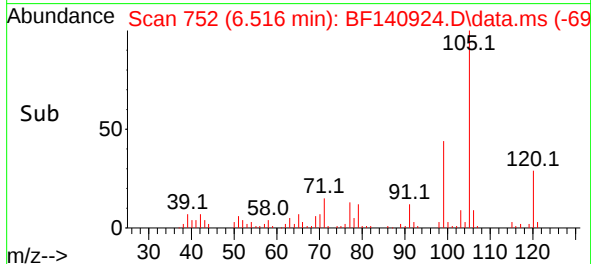
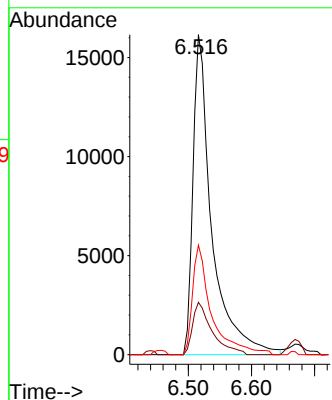
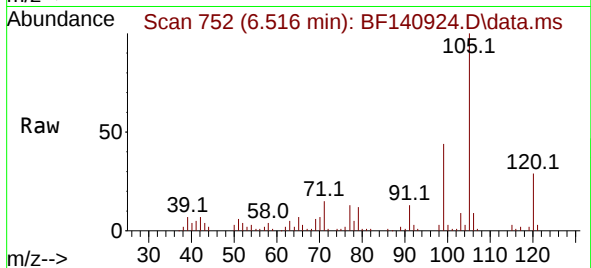




#7
Phenol-d6
Concen: 6.633 ng
RT: 6.516 min Scan# 71
Delta R.T. 0.018 min
Lab File: BF140924.D
Acq: 19 Dec 2024 14:21

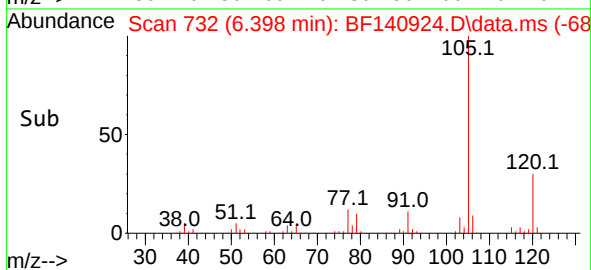
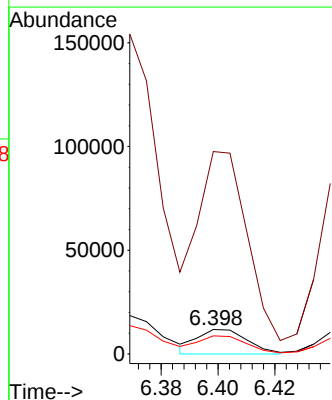
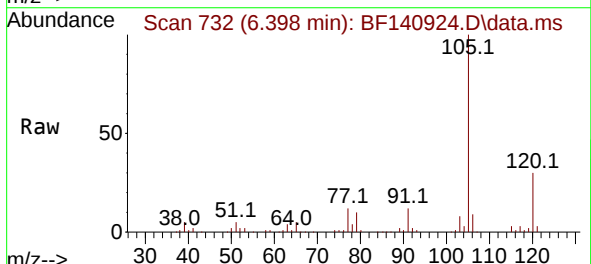
Instrument :
BNA_F
ClientSampleId :
MW3-20241213DL

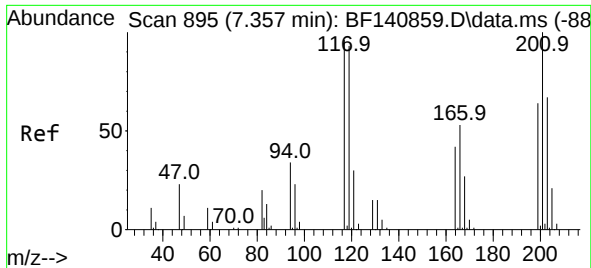
Tgt Ion: 99 Resp: 33357
Ion Ratio Lower Upper
99 100
42 16.3 14.3 21.5
71 34.3 29.9 44.9



#9
Benzaldehyde
Concen: 5.172 ng
RT: 6.398 min Scan# 732
Delta R.T. -0.012 min
Lab File: BF140924.D
Acq: 19 Dec 2024 14:21

Tgt Ion: 77 Resp: 14413
Ion Ratio Lower Upper
77 100
105 826.4 75.8 115.8#
106 73.8 74.1 114.1#

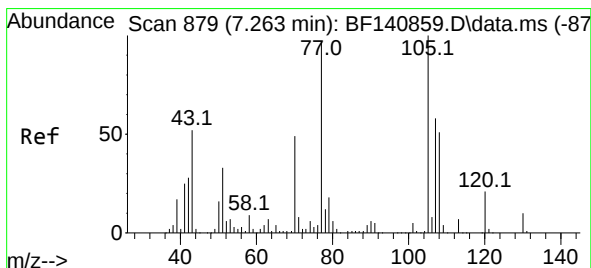
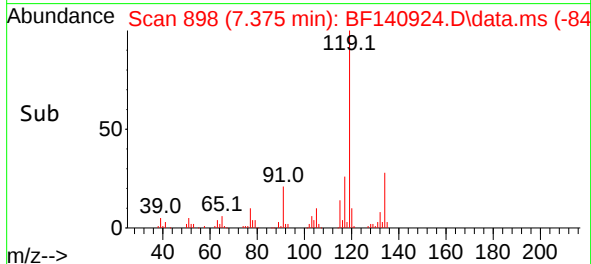
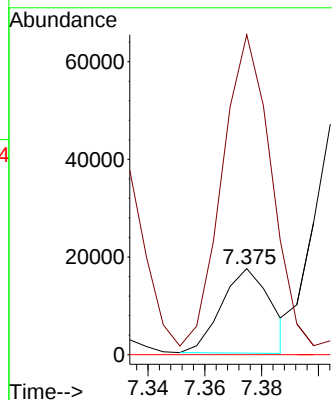
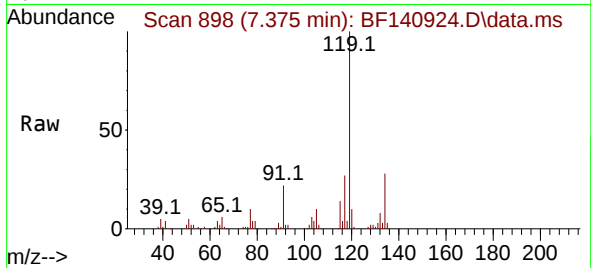




#18
Hexachloroethane
Concen: 11.696 ng
RT: 7.375 min Scan# 84
Delta R.T. 0.018 min
Lab File: BF140924.D
Acq: 19 Dec 2024 14:21

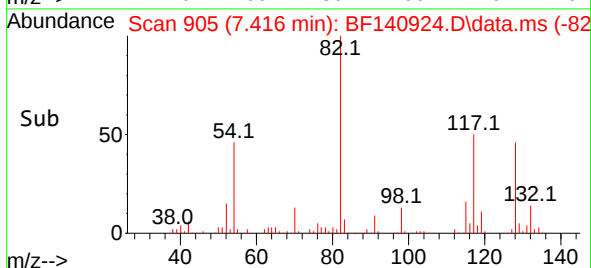
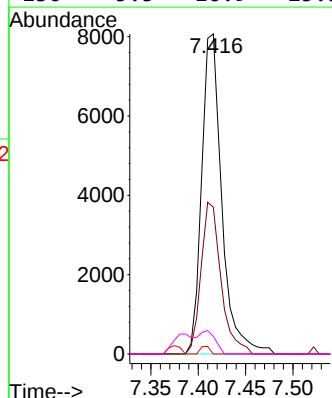
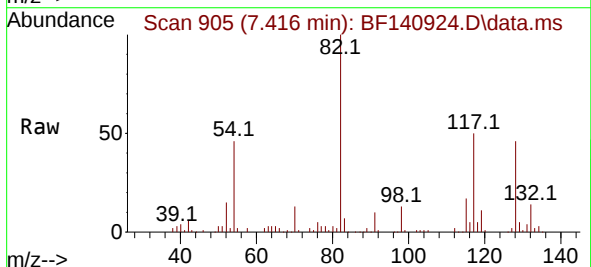
Instrument :
BNA_F
ClientSampleId :
MW3-20241213DL

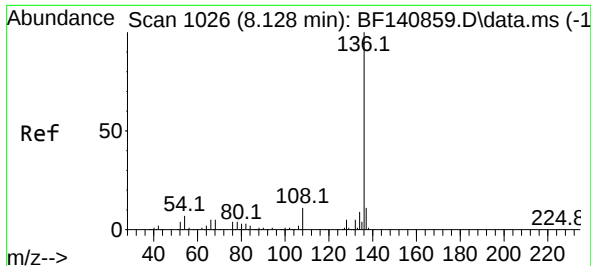
Tgt Ion:117 Resp: 20852
Ion Ratio Lower Upper
117 100
119 371.8 77.4 116.0#
201 0.0 83.4 125.0#



#19
n-Nitroso-di-n-propylamine
Concen: 3.956 ng
RT: 7.416 min Scan# 905
Delta R.T. 0.153 min
Lab File: BF140924.D
Acq: 19 Dec 2024 14:21

Tgt Ion: 70 Resp: 11935
Ion Ratio Lower Upper
70 100
42 45.9 45.3 67.9
101 0.0 8.0 12.0#
130 5.5 16.9 25.3#

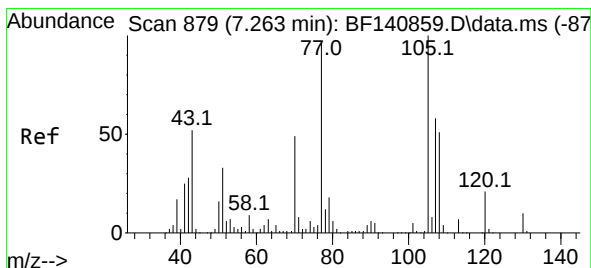
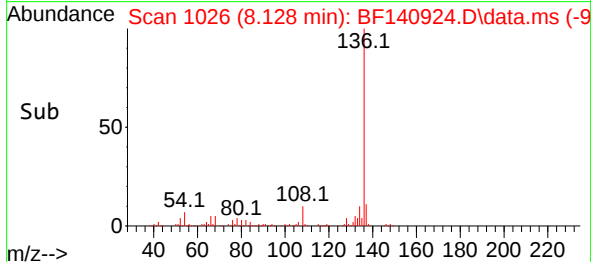
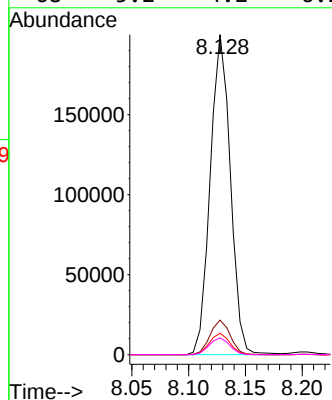
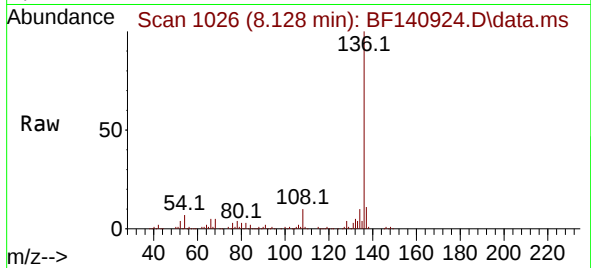




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF140924.D
Acq: 19 Dec 2024 14:21

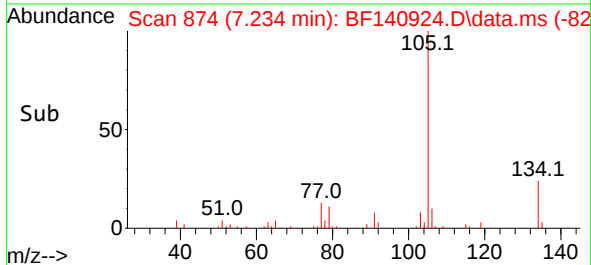
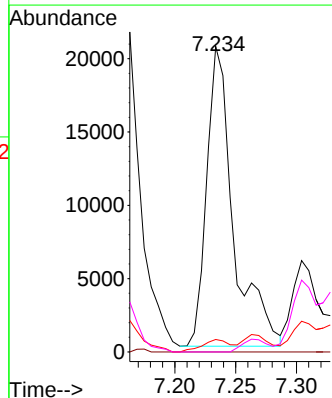
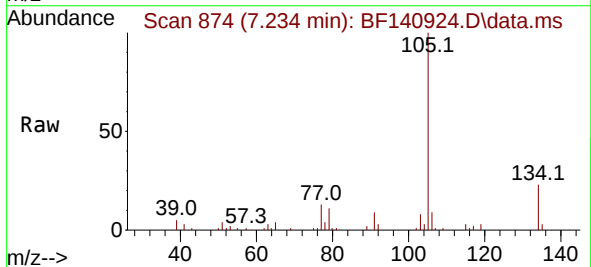
Instrument :
BNA_F
ClientSampleId :
MW3-20241213DL

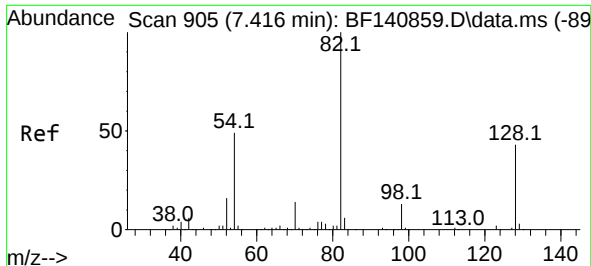
Tgt Ion:136	Resp:	247280	
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	6.7	5.6	8.4
68	5.2	4.2	6.2



#22
Acetophenone
Concen: 5.052 ng
RT: 7.234 min Scan# 874
Delta R.T. -0.030 min
Lab File: BF140924.D
Acq: 19 Dec 2024 14:21

Tgt	Ion:105	Resp:	31253
Ion	Ratio	Lower	Upper
105	100		
71	0.0	6.2	9.4#
51	4.1	26.3	39.5#
120	0.0	17.1	25.7#





#23

Nitrobenzene-d5

Concen: 18.913 ng

RT: 7.416 min Scan# 905

Delta R.T. -0.000 min

Lab File: BF140924.D

Acq: 19 Dec 2024 14:21

Instrument :

BNA_F

ClientSampleId :

MW3-20241213DL

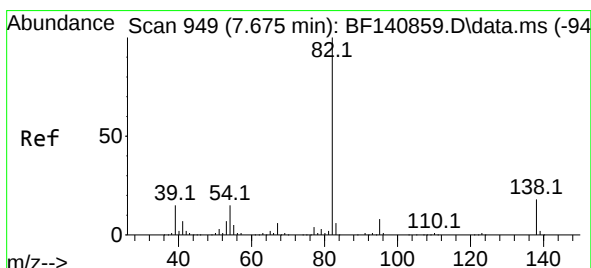
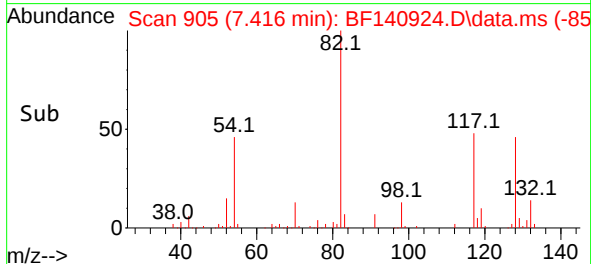
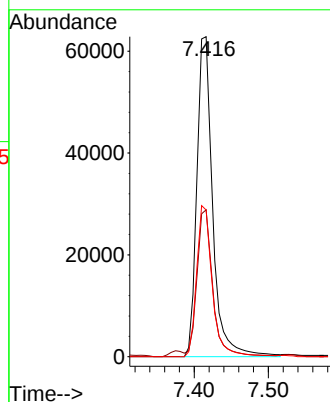
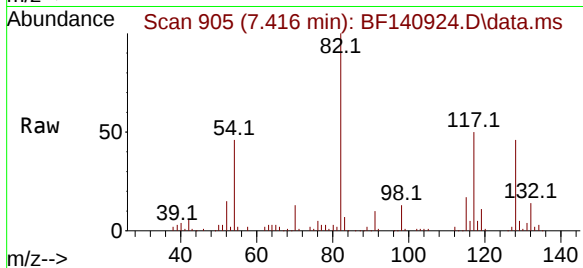
Tgt Ion: 82 Resp: 93477

Ion Ratio Lower Upper

82 100

128 45.9 34.4 51.6

54 45.9 38.8 58.2



#25

Isophorone

Concen: 11.287 ng

RT: 7.416 min Scan# 905

Delta R.T. -0.259 min

Lab File: BF140924.D

Acq: 19 Dec 2024 14:21

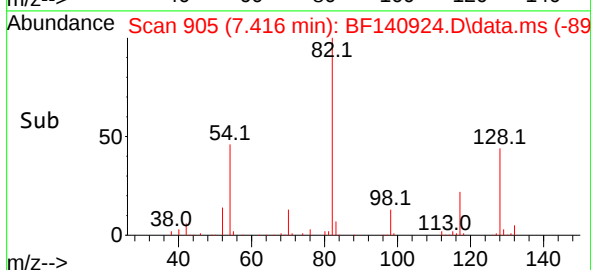
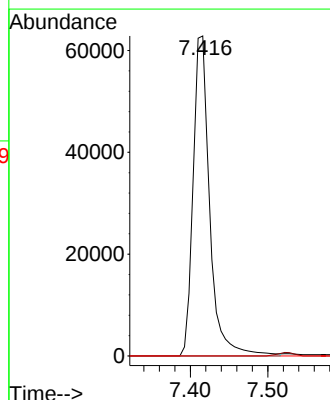
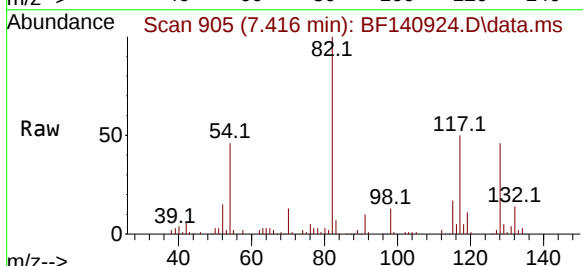
Tgt Ion: 82 Resp: 93476

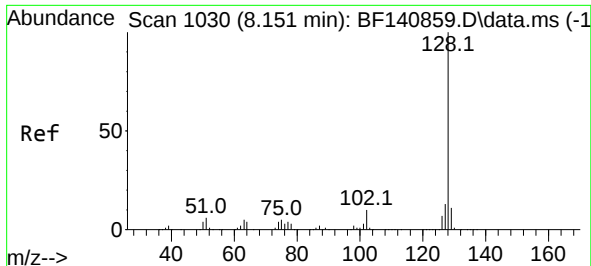
Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

138 0.0 14.1 21.1#

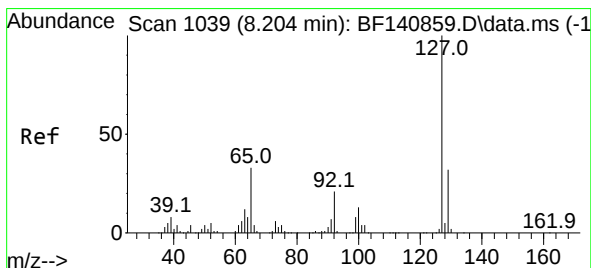
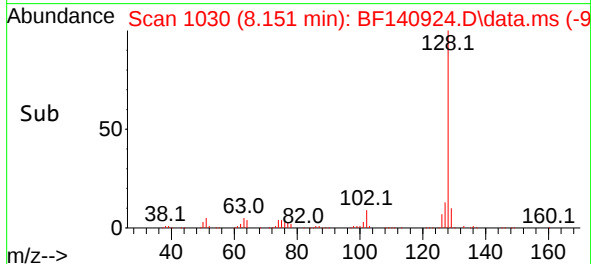
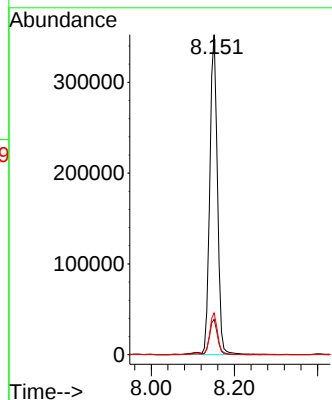
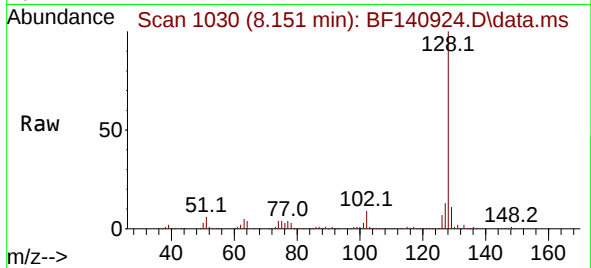




#31
Naphthalene
Concen: 33.169 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF140924.D
Acq: 19 Dec 2024 14:21

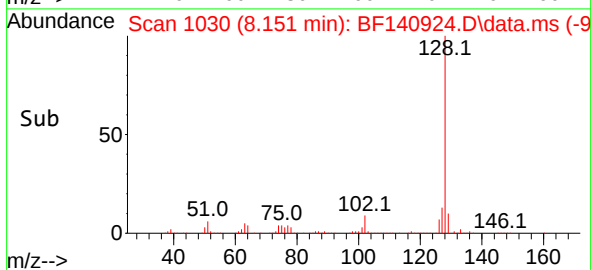
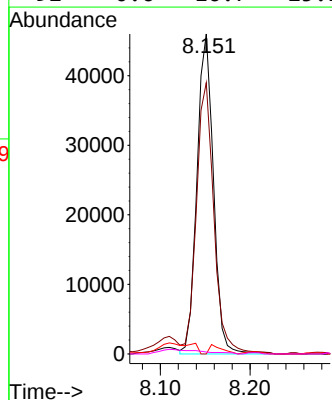
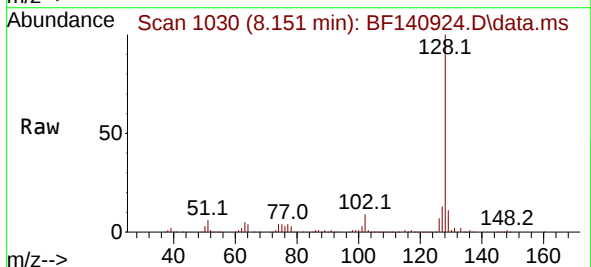
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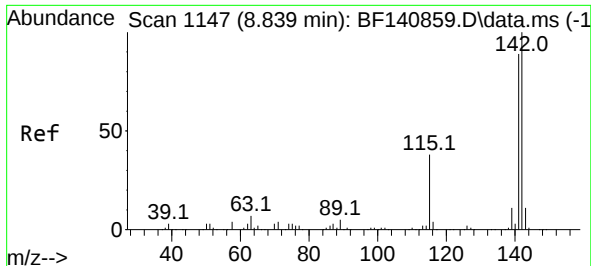
Tgt Ion:128 Resp: 450546
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 13.1 10.6 16.0



#33
4-Chloroaniline
Concen: 13.041 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.053 min
Lab File: BF140924.D
Acq: 19 Dec 2024 14:21

Tgt Ion:127 Resp: 58831
Ion Ratio Lower Upper
127 100
129 84.7 26.0 39.0#
65 0.0 26.0 39.0#
92 0.6 16.7 25.1#

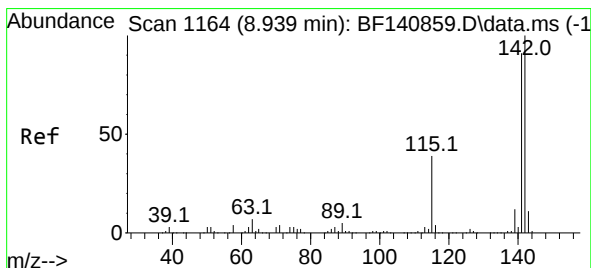
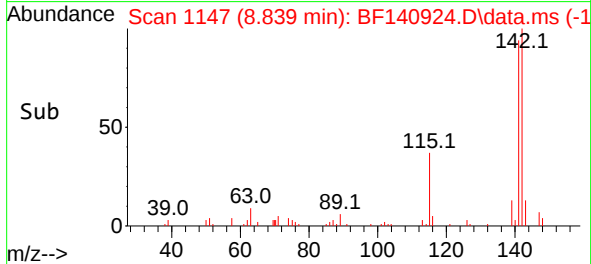
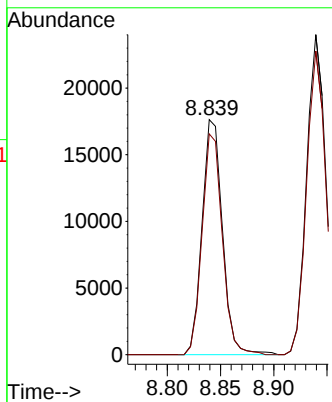
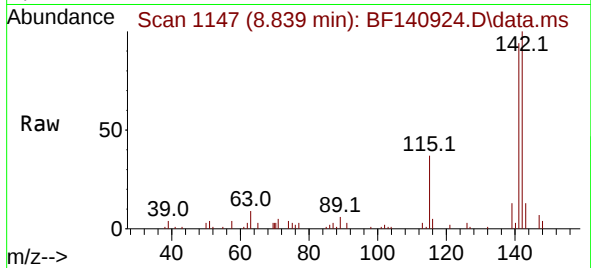




#37
2-Methylnaphthalene
Concen: 2.620 ng
RT: 8.839 min Scan# 1147
Delta R.T. -0.000 min
Lab File: BF140924.D
Acq: 19 Dec 2024 14:21

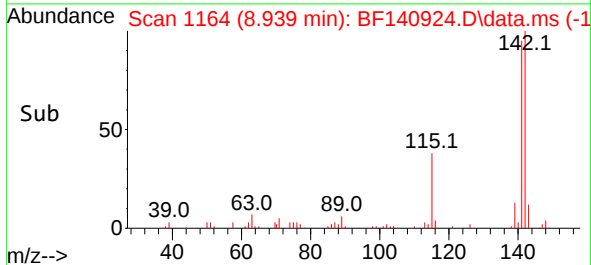
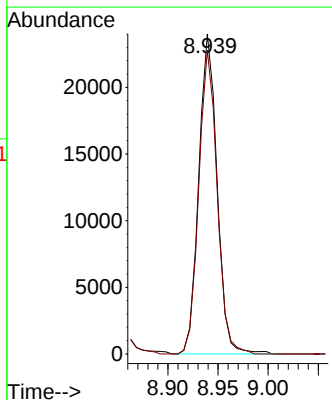
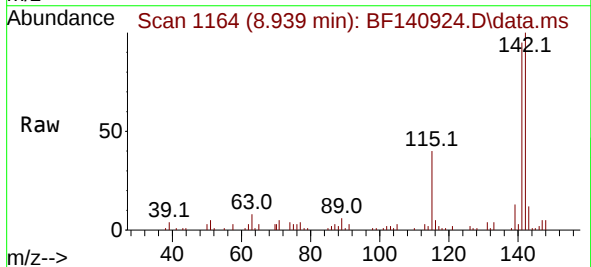
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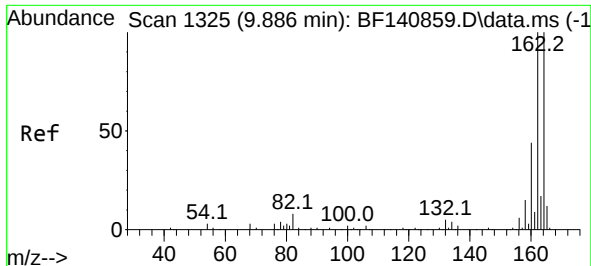
Tgt Ion:142 Resp: 23543
Ion Ratio Lower Upper
142 100
141 93.9 71.0 106.6



#38
1-Methylnaphthalene
Concen: 3.440 ng
RT: 8.939 min Scan# 1164
Delta R.T. -0.000 min
Lab File: BF140924.D
Acq: 19 Dec 2024 14:21

Tgt Ion:142 Resp: 30569
Ion Ratio Lower Upper
142 100
141 94.9 73.4 110.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.880 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140924.D

Acq: 19 Dec 2024 14:21

Instrument :

BNA_F

ClientSampleId :

MW3-20241213DL

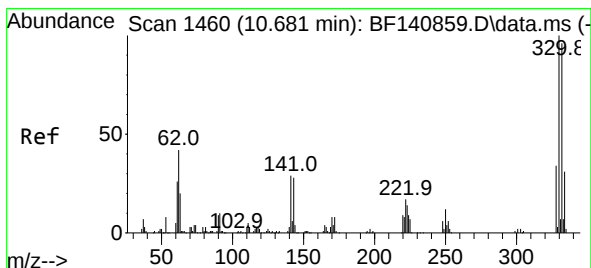
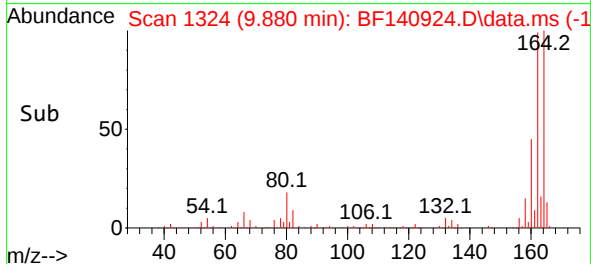
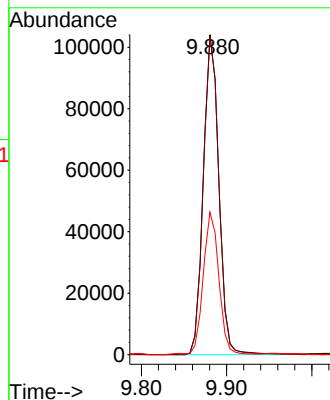
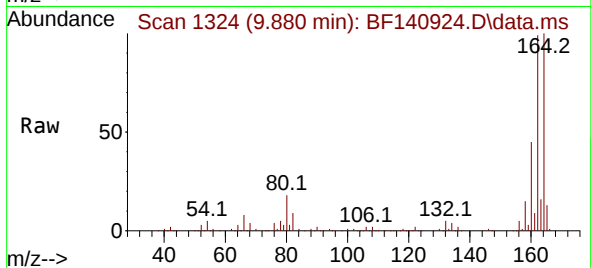
Tgt Ion:164 Resp: 131466

Ion Ratio Lower Upper

164 100

162 99.5 79.9 119.9

160 44.5 35.2 52.8



#42

2,4,6-Tribromophenol

Concen: 27.106 ng

RT: 10.680 min Scan# 1460

Delta R.T. -0.000 min

Lab File: BF140924.D

Acq: 19 Dec 2024 14:21

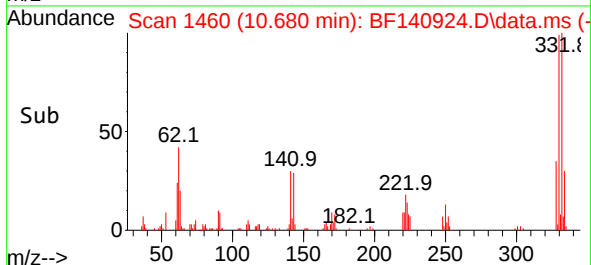
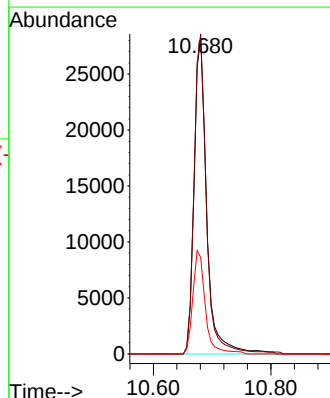
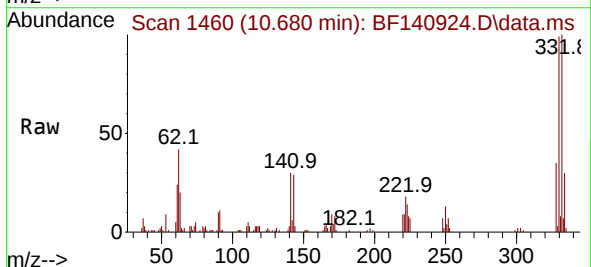
Tgt Ion:330 Resp: 42146

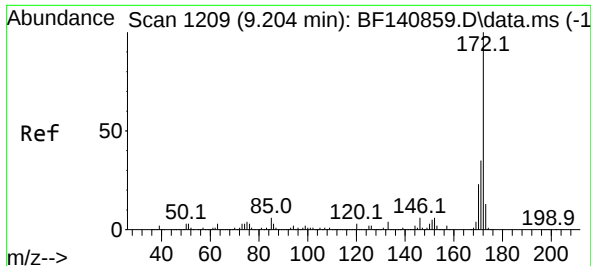
Ion Ratio Lower Upper

330 100

332 98.9 76.2 114.4

141 32.2 24.9 37.3





#45

2-Fluorobiphenyl

Concen: 20.773 ng

RT: 9.198 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140924.D

Acq: 19 Dec 2024 14:21

Instrument :

BNA_F

ClientSampleId :

MW3-20241213DL

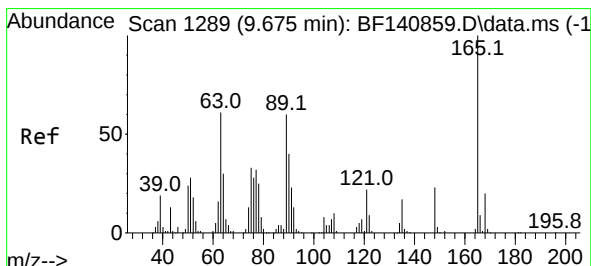
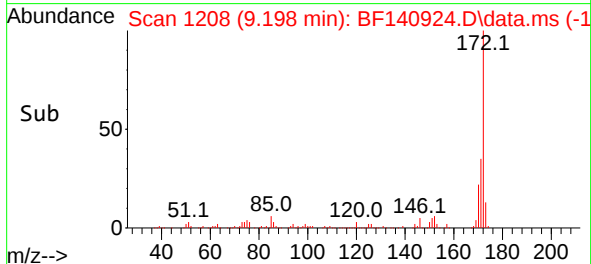
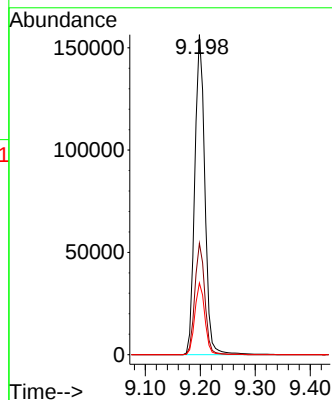
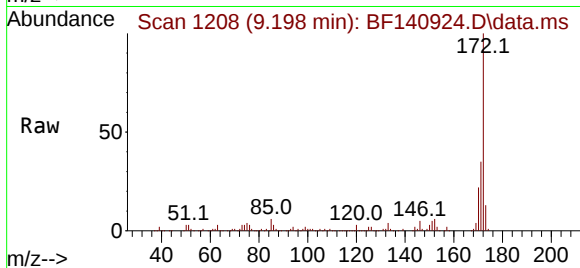
Tgt Ion:172 Resp: 198635

Ion Ratio Lower Upper

172 100

171 34.8 28.4 42.6

170 22.4 18.6 28.0



#51

2,6-Dinitrotoluene

Concen: 7.970 ng

RT: 9.880 min Scan# 1324

Delta R.T. 0.206 min

Lab File: BF140924.D

Acq: 19 Dec 2024 14:21

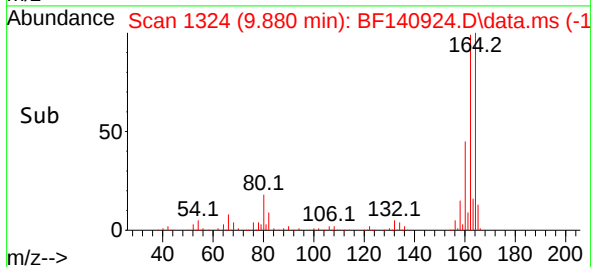
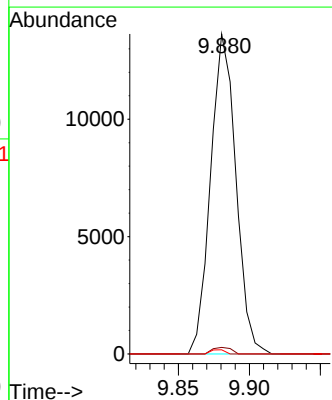
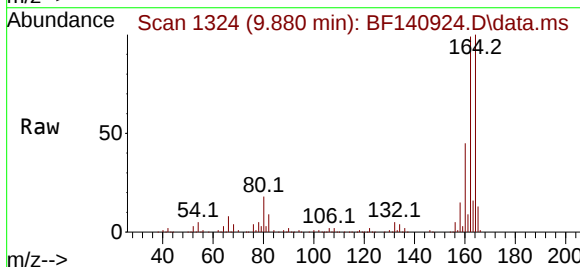
Tgt Ion:165 Resp: 16887

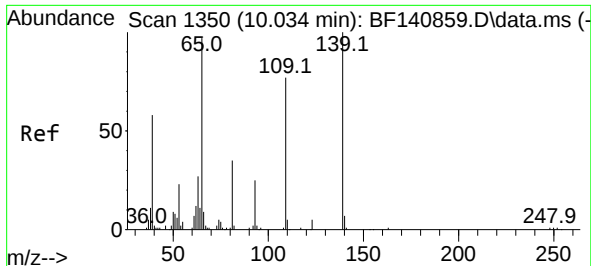
Ion Ratio Lower Upper

165 100

63 2.1 49.7 74.5#

89 1.3 48.2 72.4#

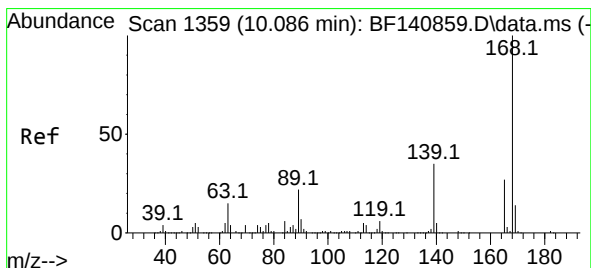
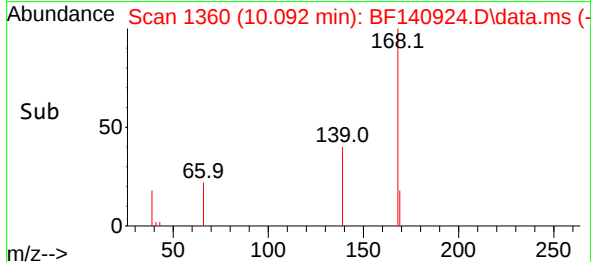
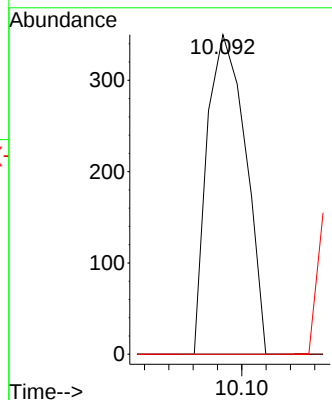
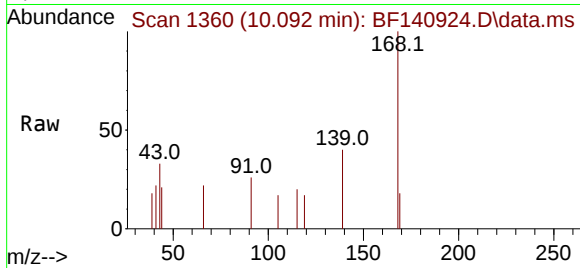




#56
4-Nitrophenol
Concen: 4.762 ng
RT: 10.092 min Scan# 11
Delta R.T. 0.058 min
Lab File: BF140924.D
Acq: 19 Dec 2024 14:21

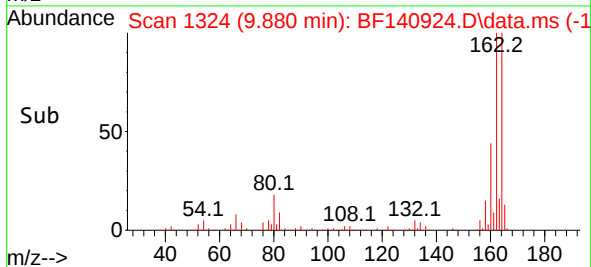
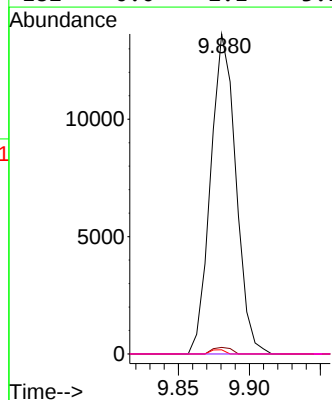
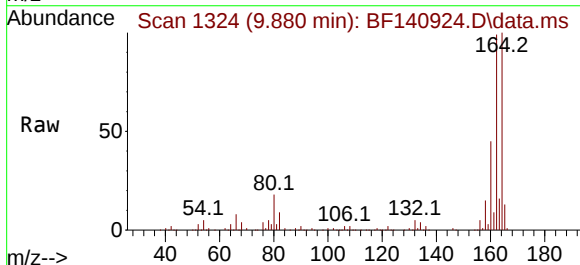
Instrument :
BNA_F
ClientSampleId :
MW3-20241213DL

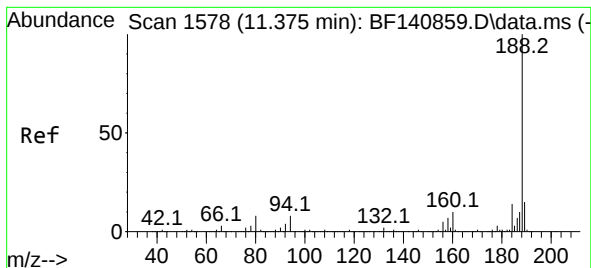
Tgt Ion:139 Resp: 383
Ion Ratio Lower Upper
139 100
109 0.0 56.7 96.7#
65 0.0 78.1 118.1#



#57
2,4-Dinitrotoluene
Concen: 6.057 ng
RT: 9.880 min Scan# 1324
Delta R.T. -0.206 min
Lab File: BF140924.D
Acq: 19 Dec 2024 14:21

Tgt Ion:165 Resp: 16887
Ion Ratio Lower Upper
165 100
63 2.1 49.3 73.9#
89 1.3 66.2 99.4#
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.374 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140924.D

Acq: 19 Dec 2024 14:21

Instrument :

BNA_F

ClientSampleId :

MW3-20241213DL

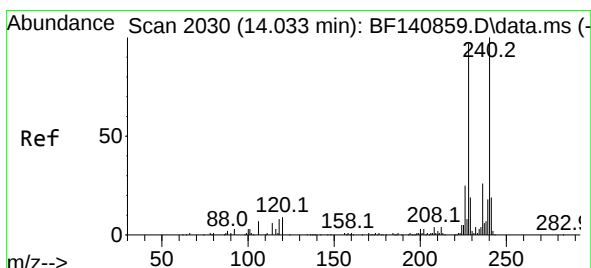
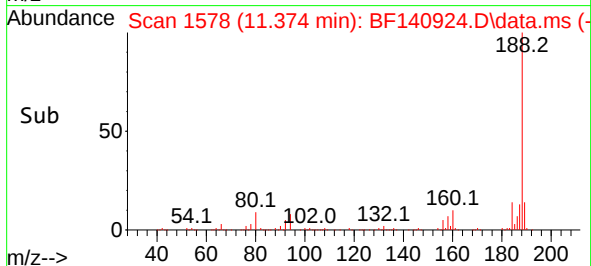
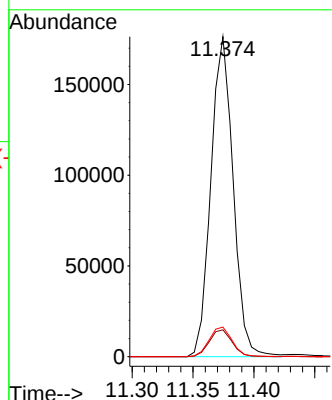
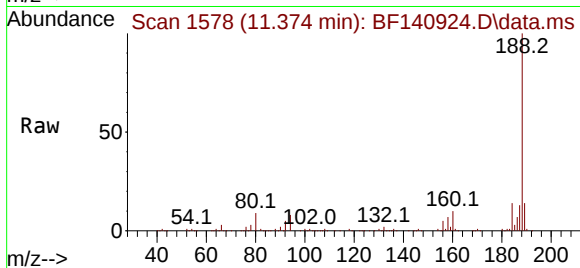
Tgt Ion:188 Resp: 224739

Ion Ratio Lower Upper

188 100

94 8.4 6.4 9.6

80 9.3 6.8 10.2



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 2029

Delta R.T. -0.006 min

Lab File: BF140924.D

Acq: 19 Dec 2024 14:21

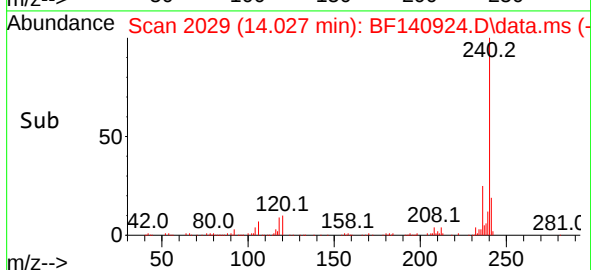
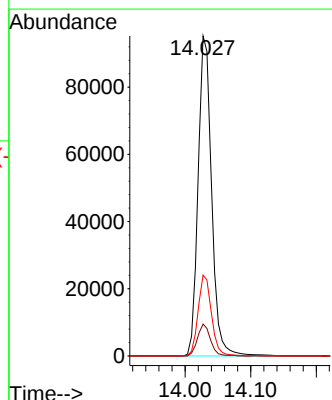
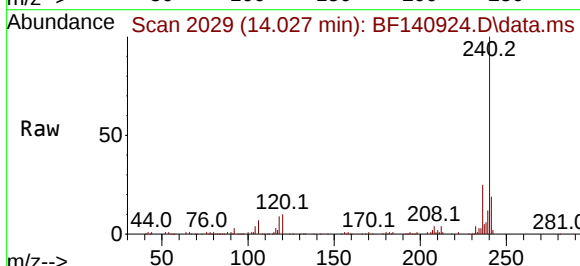
Tgt Ion:240 Resp: 136937

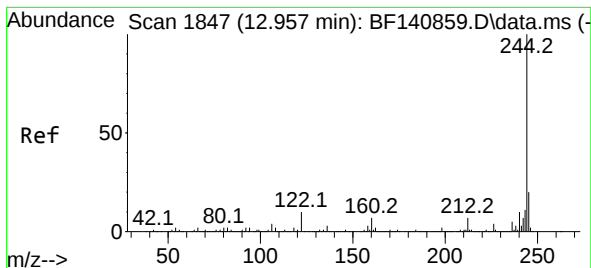
Ion Ratio Lower Upper

240 100

120 10.0 7.6 11.4

236 25.3 20.5 30.7





#79

Terphenyl-d14

Concen: 21.454 ng

RT: 12.957 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF140924.D

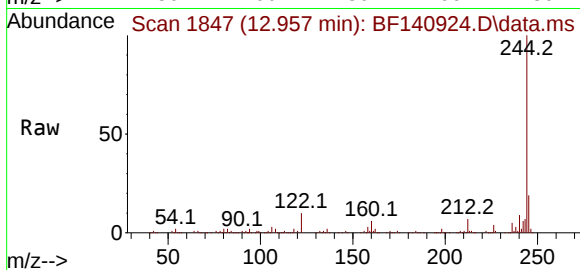
Acq: 19 Dec 2024 14:21

Instrument :

BNA_F

ClientSampleId :

MW3-20241213DL



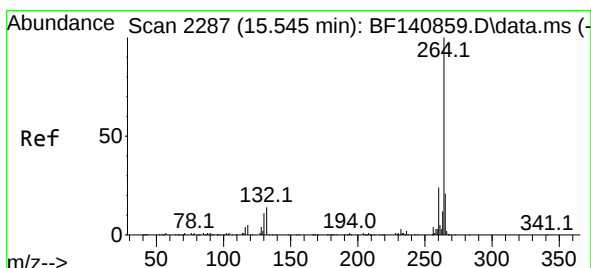
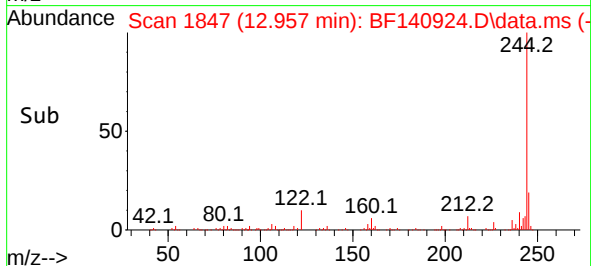
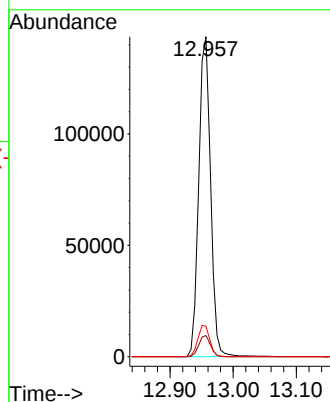
Tgt Ion:244 Resp: 186313

Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

122 9.5 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 2285

Delta R.T. -0.012 min

Lab File: BF140924.D

Acq: 19 Dec 2024 14:21

Tgt Ion:264 Resp: 140691

Ion Ratio Lower Upper

264 100

260 22.9 19.1 28.7

265 21.1 17.0 25.4

