

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121824\
 Data File : BF140914.D
 Acq On : 18 Dec 2024 18:56
 Operator : RC/JU
 Sample : P5291-07
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW6-20241213

Quant Time: Dec 19 00:17:02 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)

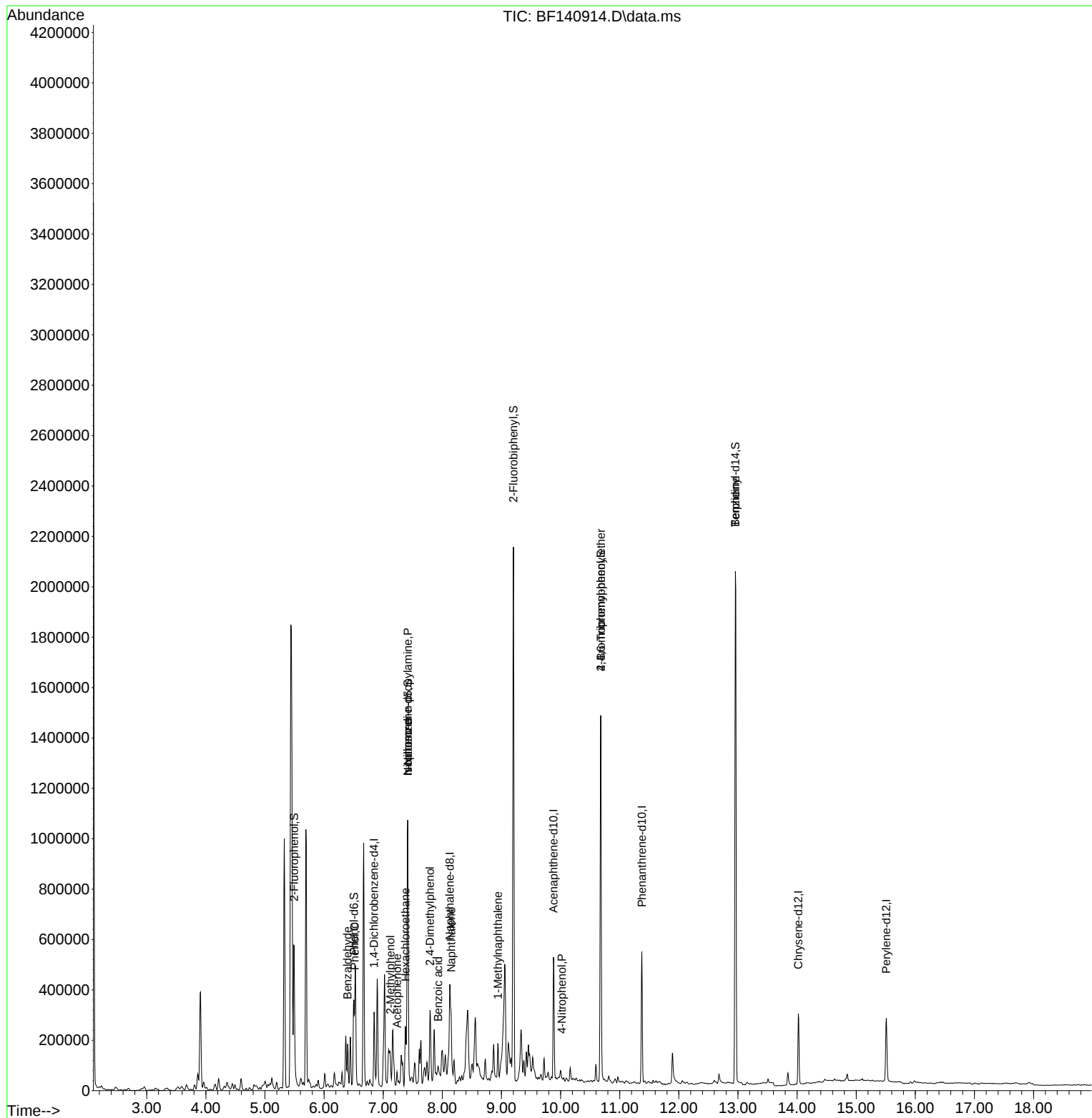
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	62895	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	213782	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	145598	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	265192	20.000	ng	0.00
76) Chrysene-d12	14.021	240	138770	20.000	ng	-0.01
86) Perylene-d12	15.510	264	153106	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	268048	70.158	ng	0.00
7) Phenol-d6	6.504	99	199564	39.436	ng	0.00
23) Nitrobenzene-d5	7.416	82	438495	102.620	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	265882	154.402	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	951746	89.871	ng	0.00
79) Terphenyl-d14	12.957	244	1045841	118.841	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.398	77	8351	2.978	ng	# 1
10) Phenol	6.516	94	18043	3.440	ng	# 78
17) 2-Methylphenol	7.122	107	9351	2.811	ng	# 80
18) Hexachloroethane	7.375	117	20704	11.540	ng	# 1
19) n-Nitroso-di-n-propyla...	7.416	70	60374	19.889	ng	# 78
22) Acetophenone	7.234	105	37691	7.048	ng	# 56
25) Isophorone	7.416	82	428914	59.908	ng	# 65
27) 2,4-Dimethylphenol	7.792	122	56036	23.799	ng	99
31) Naphthalene	8.151	128	134786	11.478	ng	99
32) Benzoic acid	7.928	122	13964	6.253	ng	# 35
38) 1-Methylnaphthalene	8.939	142	21164	2.755	ng	99
56) 4-Nitrophenol	10.022	139	116	4.529	ng	# 1
67) 4-Bromophenyl-phenylether	10.680	248	16453	5.546	ng	# 1
77) Benzidine	12.957	184	13901	4.908	ng	# 90

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

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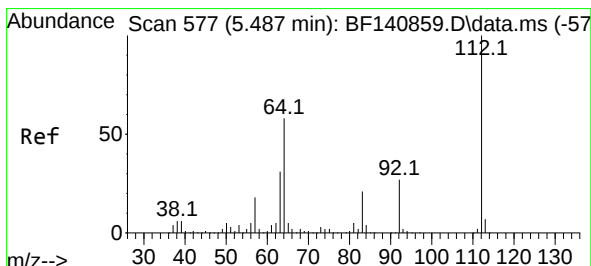
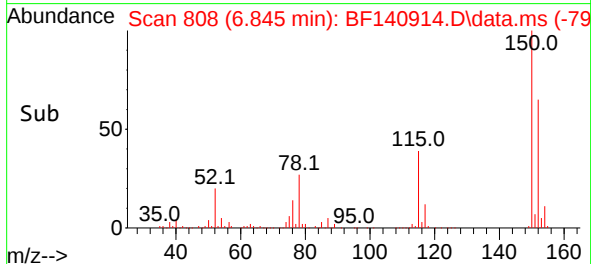
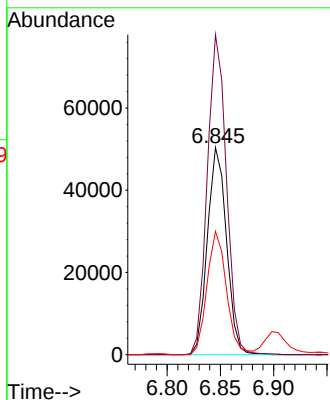
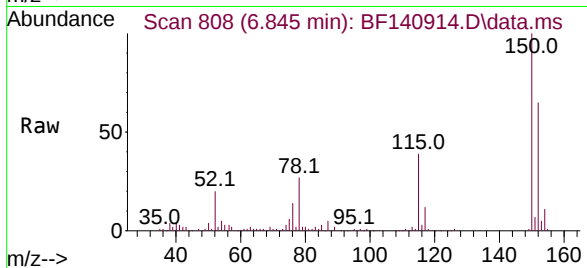




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF140914.D
Acq: 18 Dec 2024 18:56

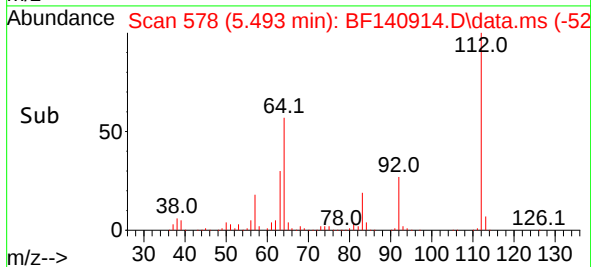
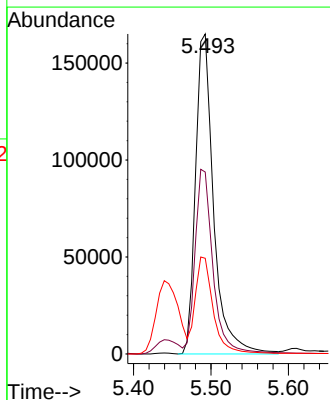
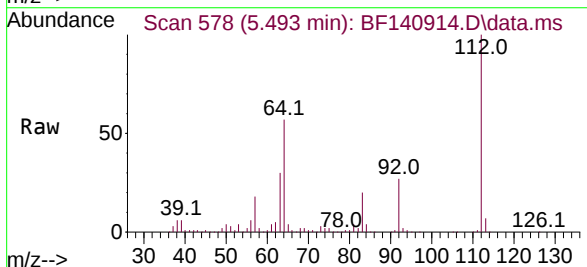
Instrument :
BNA_F
ClientSampleId :
MW6-20241213

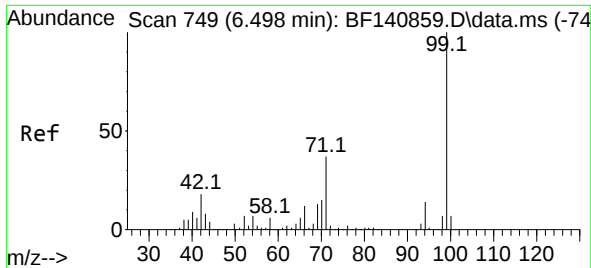
Tgt Ion:152 Resp: 62895
Ion Ratio Lower Upper
152 100
150 154.4 127.9 191.9
115 59.5 48.0 72.0



#5
2-Fluorophenol
Concen: 70.158 ng
RT: 5.493 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF140914.D
Acq: 18 Dec 2024 18:56

Tgt Ion:112 Resp: 268048
Ion Ratio Lower Upper
112 100
64 56.8 46.1 69.1
63 29.9 24.9 37.3

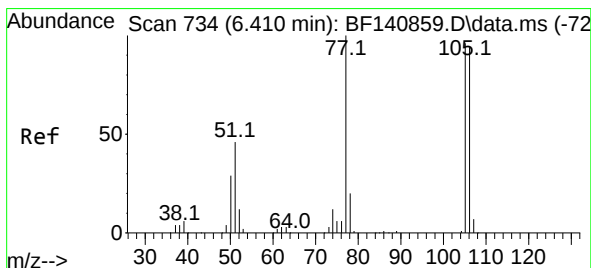
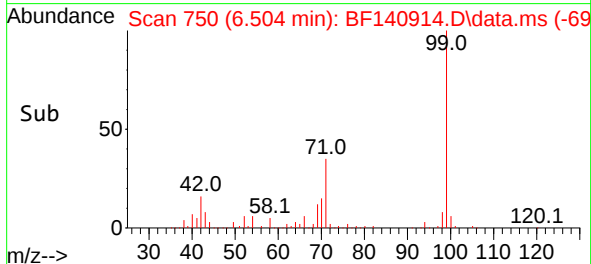
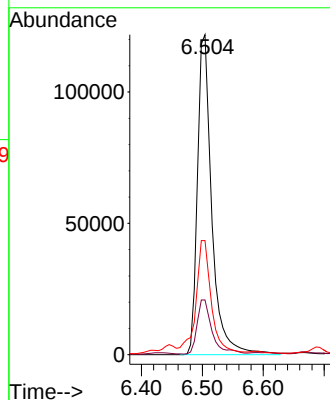
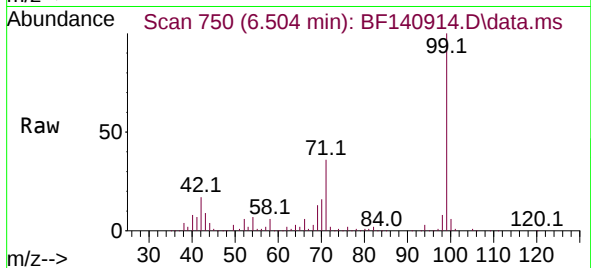




#7
Phenol-d6
Concen: 39.436 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140914.D
Acq: 18 Dec 2024 18:56

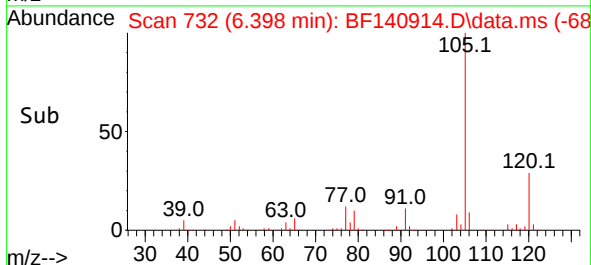
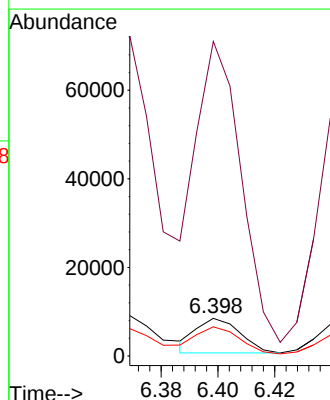
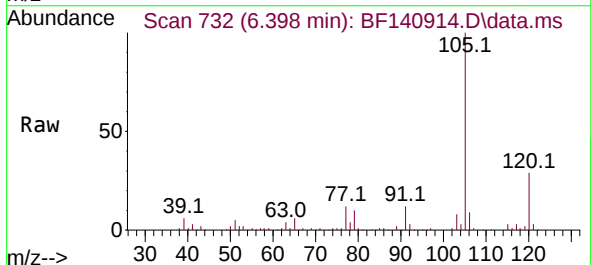
Instrument :
BNA_F
ClientSampleId :
MW6-20241213

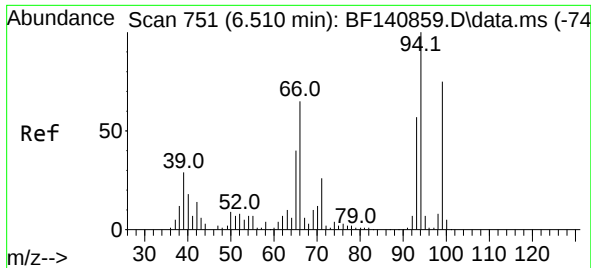
Tgt Ion: 99 Resp: 199564
Ion Ratio Lower Upper
99 100
42 17.1 14.3 21.5
71 35.6 29.9 44.9



#9
Benzaldehyde
Concen: 2.978 ng
RT: 6.398 min Scan# 732
Delta R.T. -0.012 min
Lab File: BF140914.D
Acq: 18 Dec 2024 18:56

Tgt Ion: 77 Resp: 8351
Ion Ratio Lower Upper
77 100
105 836.5 75.8 115.8#
106 77.6 74.1 114.1





#10

Phenol

Concen: 3.440 ng

RT: 6.516 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF140914.D

Acq: 18 Dec 2024 18:56

Instrument :

BNA_F

ClientSampleId :

MW6-20241213

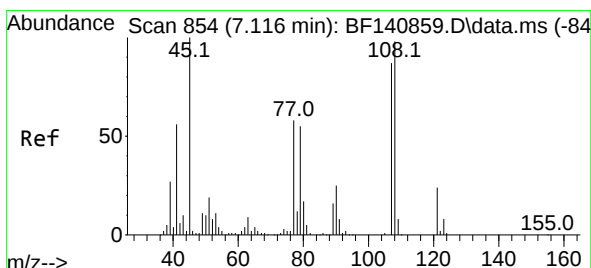
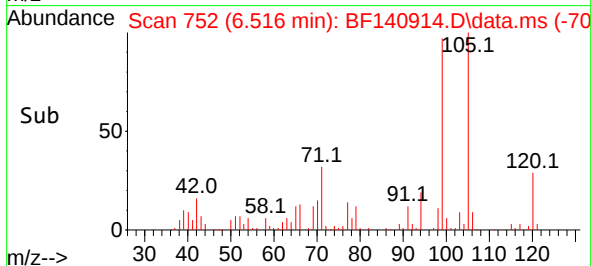
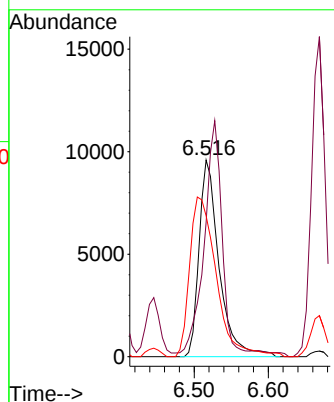
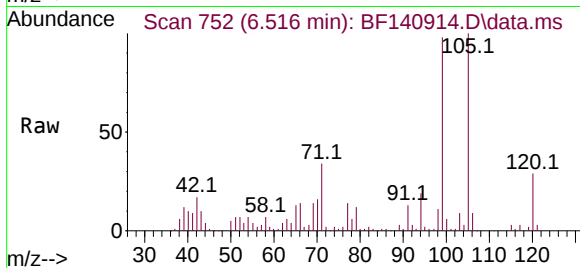
Tgt Ion: 94 Resp: 18043

Ion Ratio Lower Upper

94 100

65 68.3 19.9 59.9#

66 71.6 45.6 85.6



#17

2-Methylphenol

Concen: 2.811 ng

RT: 7.122 min Scan# 855

Delta R.T. 0.006 min

Lab File: BF140914.D

Acq: 18 Dec 2024 18:56

Tgt Ion:107 Resp: 9351

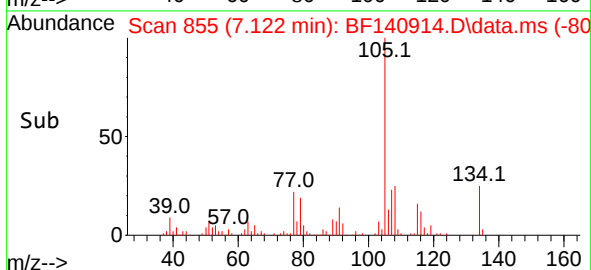
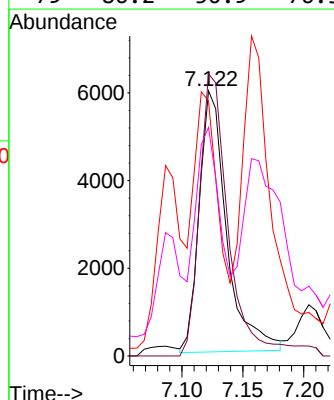
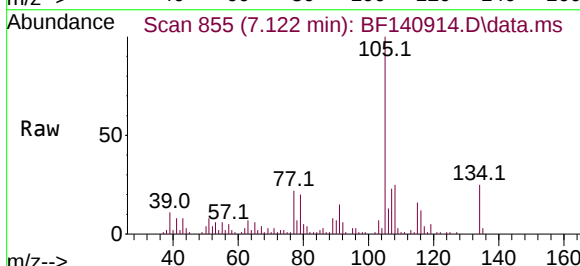
Ion Ratio Lower Upper

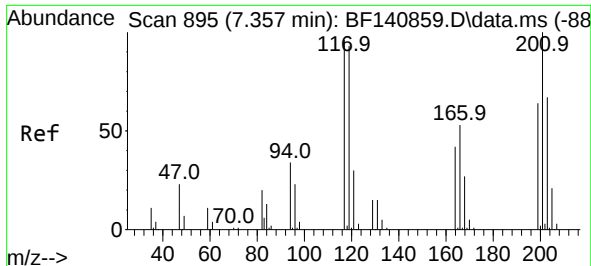
107 100

108 106.4 90.2 135.4

77 96.2 53.8 80.6#

79 86.2 50.9 76.3#

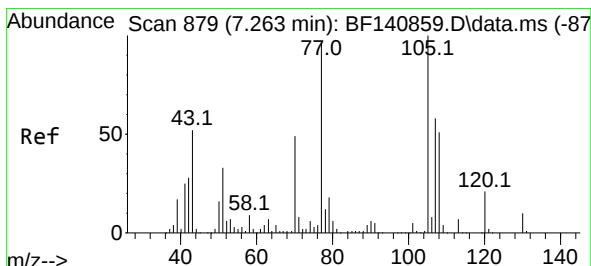
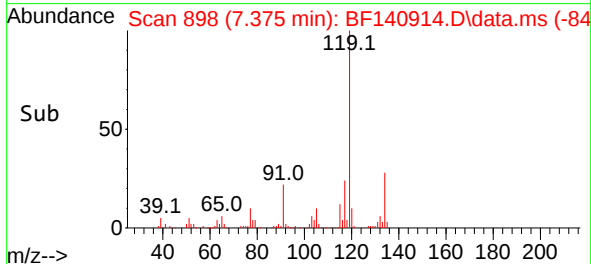
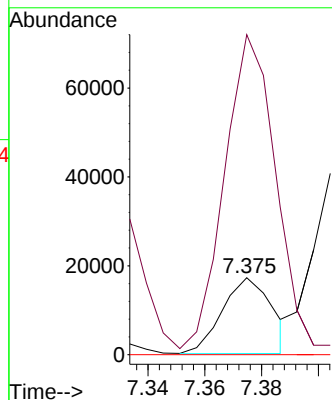
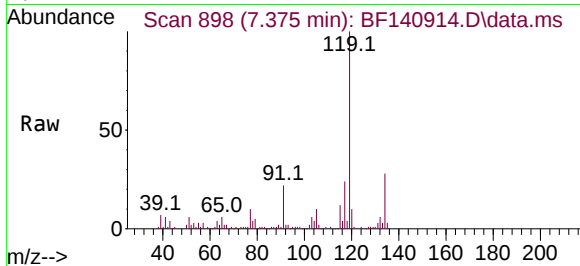




#18
Hexachloroethane
Concen: 11.540 ng
RT: 7.375 min Scan# 895
Delta R.T. 0.018 min
Lab File: BF140914.D
Acq: 18 Dec 2024 18:56

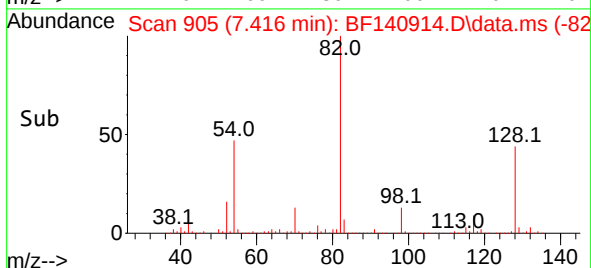
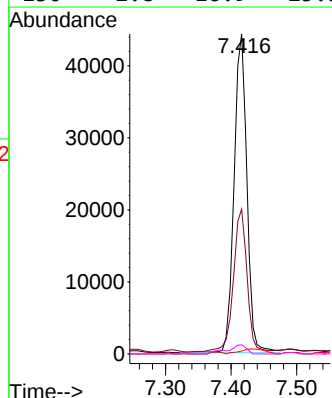
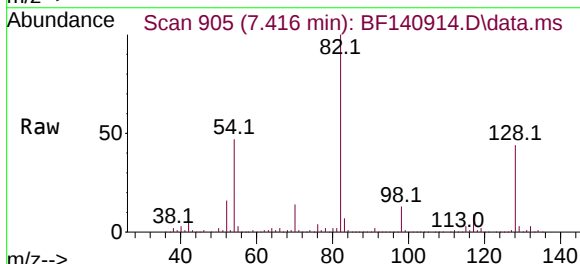
Instrument :
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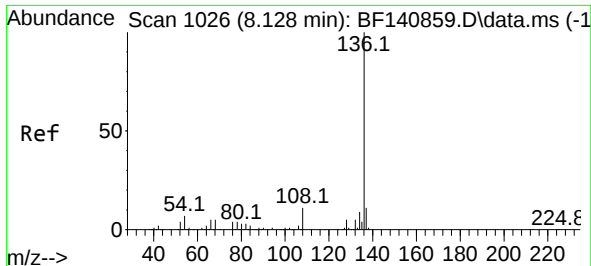
Tgt Ion:117 Resp: 20704
Ion Ratio Lower Upper
117 100
119 415.4 77.4 116.0#
201 0.0 83.4 125.0#



#19
n-Nitroso-di-n-propylamine
Concen: 19.889 ng
RT: 7.416 min Scan# 905
Delta R.T. 0.153 min
Lab File: BF140914.D
Acq: 18 Dec 2024 18:56

Tgt Ion: 70 Resp: 60374
Ion Ratio Lower Upper
70 100
42 45.3 45.3 67.9#
101 0.9 8.0 12.0#
130 2.8 16.9 25.3#

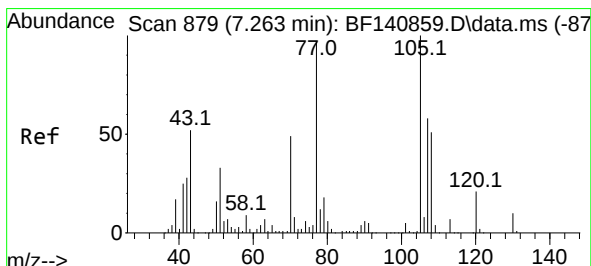
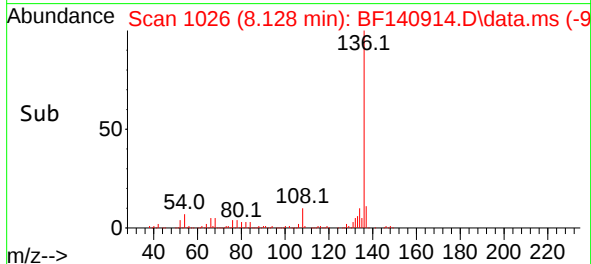
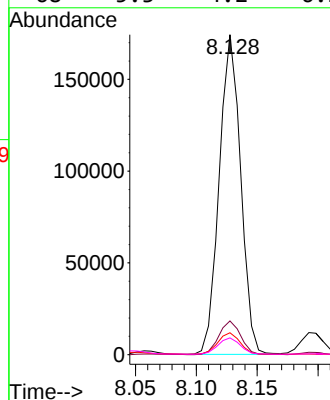
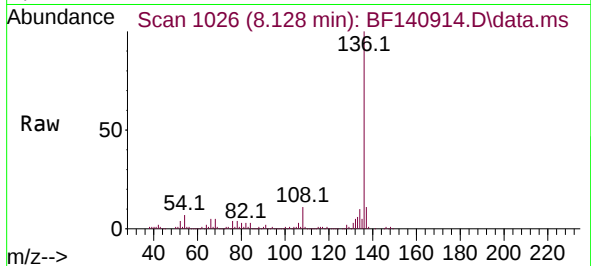




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF140914.D
Acq: 18 Dec 2024 18:56

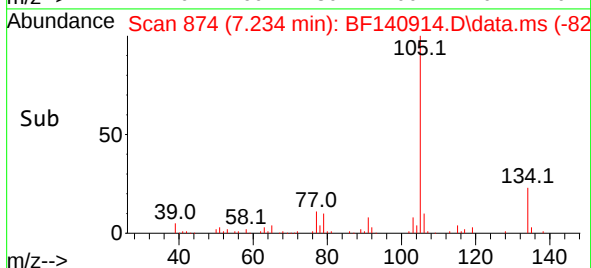
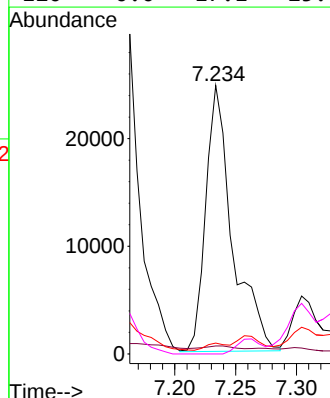
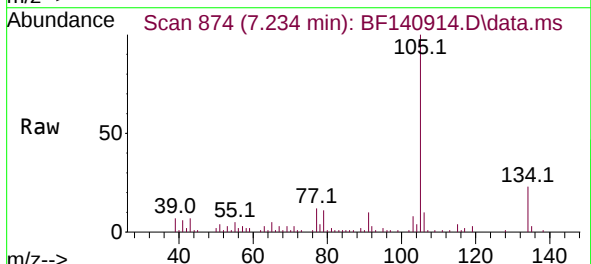
Instrument :
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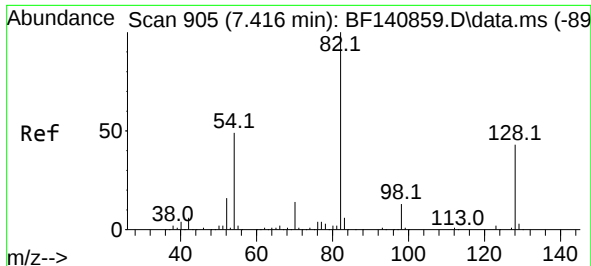
Tgt Ion:136	Resp:	213782	
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.0	13.4
54	6.9	5.6	8.4
68	5.3	4.2	6.2



#22
Acetophenone
Concen: 7.048 ng
RT: 7.234 min Scan# 874
Delta R.T. -0.030 min
Lab File: BF140914.D
Acq: 18 Dec 2024 18:56

Tgt	Ion:105	Resp:	37691
Ion	Ratio	Lower	Upper
105	100		
71	3.0	6.2	9.4#
51	4.1	26.3	39.5#
120	0.0	17.1	25.7#





#23

Nitrobenzene-d5

Concen: 102.620 ng

RT: 7.416 min Scan# 905

Delta R.T. -0.000 min

Lab File: BF140914.D

Acq: 18 Dec 2024 18:56

Instrument :

BNA_F

ClientSampleId :

MW6-20241213

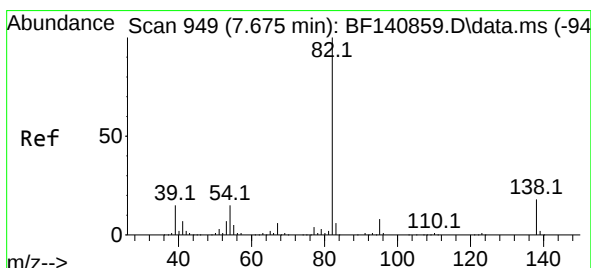
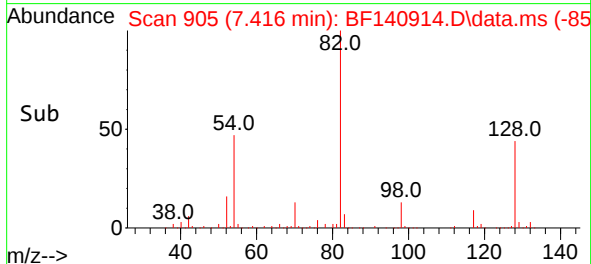
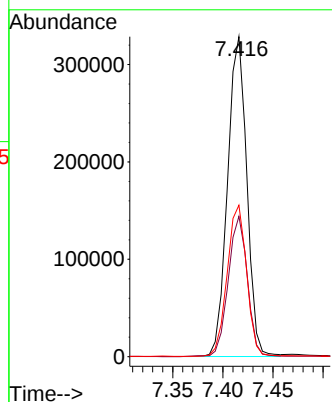
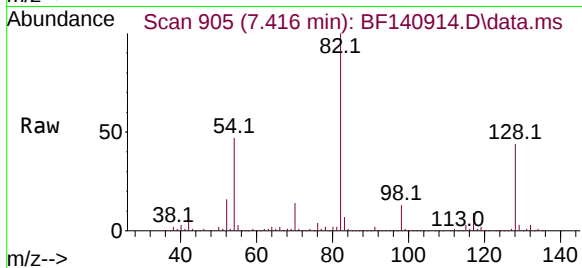
Tgt Ion: 82 Resp: 438495

Ion Ratio Lower Upper

82 100

128 43.9 34.4 51.6

54 47.3 38.8 58.2



#25

Isophorone

Concen: 59.908 ng

RT: 7.416 min Scan# 905

Delta R.T. -0.259 min

Lab File: BF140914.D

Acq: 18 Dec 2024 18:56

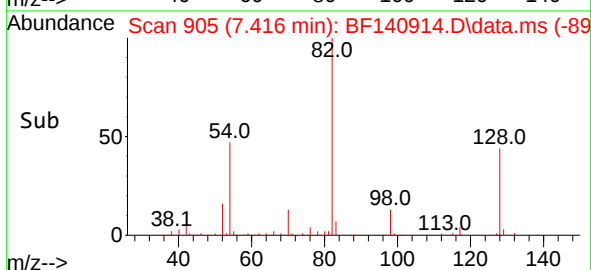
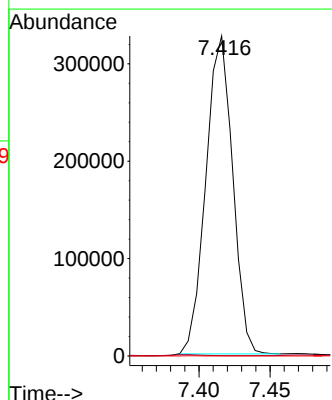
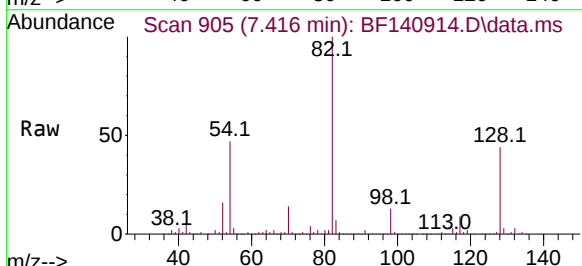
Tgt Ion: 82 Resp: 428914

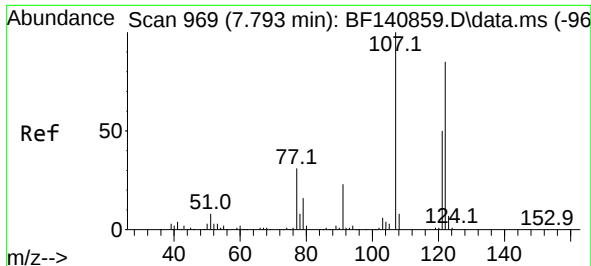
Ion Ratio Lower Upper

82 100

95 0.1 6.3 9.5#

138 0.0 14.1 21.1#

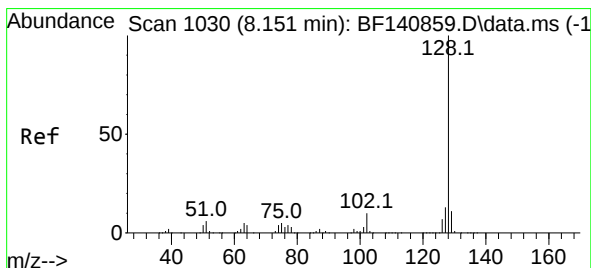
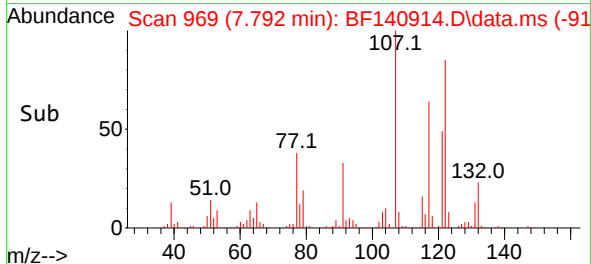
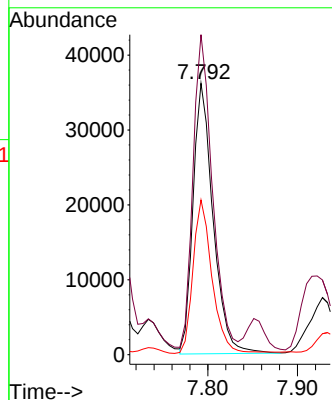
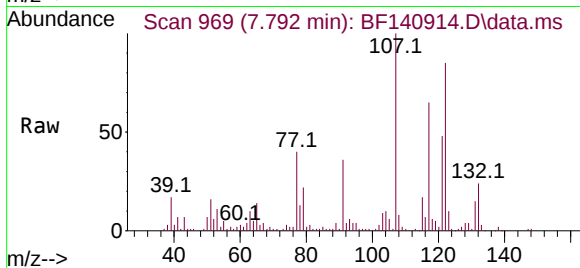




#27
2,4-Dimethylphenol
Concen: 23.799 ng
RT: 7.792 min Scan# 90
Delta R.T. -0.000 min
Lab File: BF140914.D
Acq: 18 Dec 2024 18:56

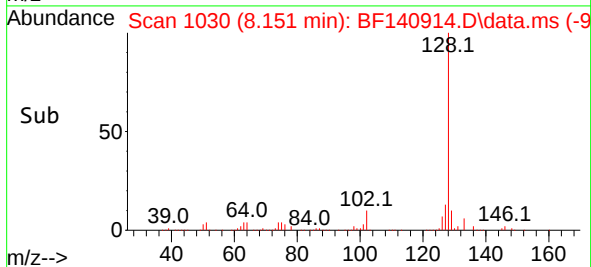
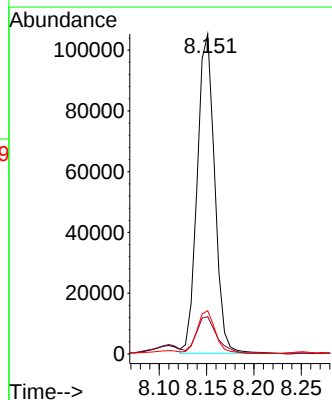
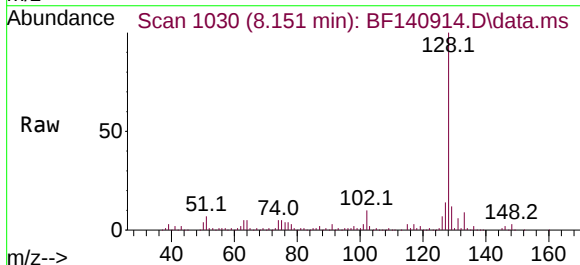
Instrument :
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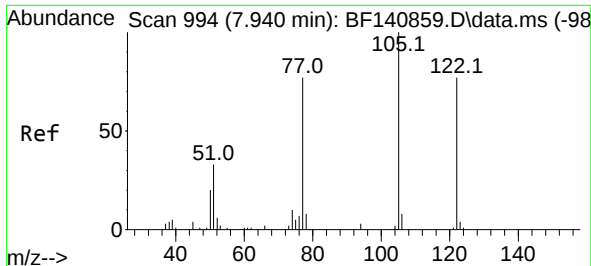
Tgt Ion:122 Resp: 56036
Ion Ratio Lower Upper
122 100
107 117.9 92.6 139.0
121 57.0 45.8 68.8



#31
Naphthalene
Concen: 11.478 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF140914.D
Acq: 18 Dec 2024 18:56

Tgt Ion:128 Resp: 134786
Ion Ratio Lower Upper
128 100
129 11.7 8.9 13.3
127 13.5 10.6 16.0

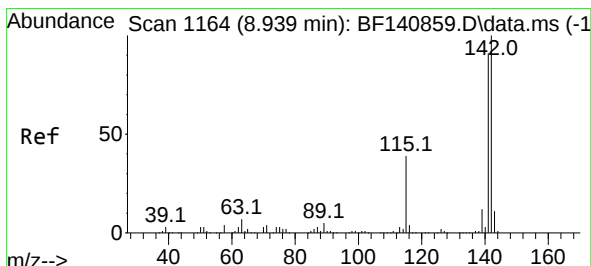
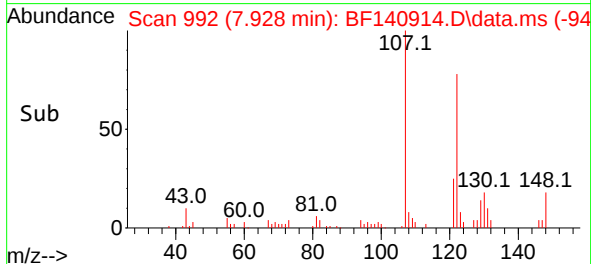
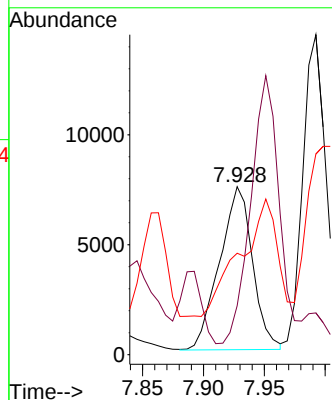
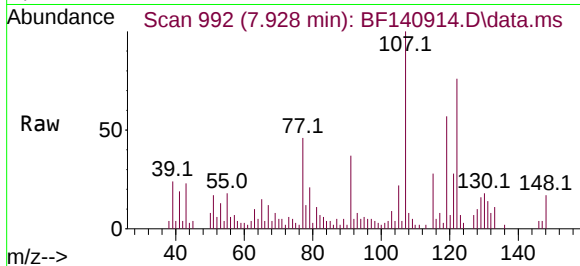




#32
Benzoic acid
Concen: 6.253 ng
RT: 7.928 min Scan# 994
Delta R.T. -0.012 min
Lab File: BF140914.D
Acq: 18 Dec 2024 18:56

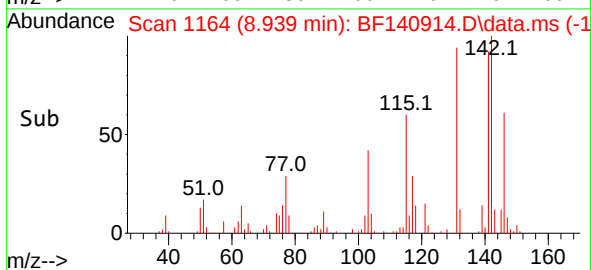
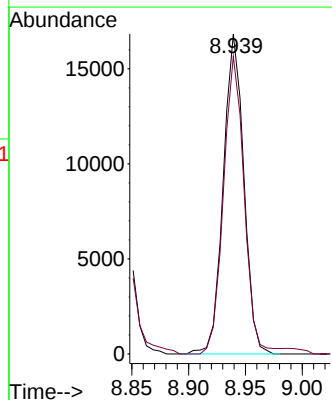
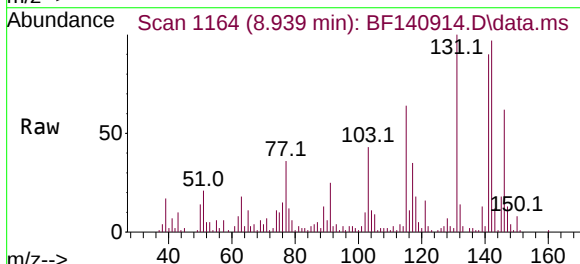
Instrument :
BNA_F
ClientSampleId :
MW6-20241213

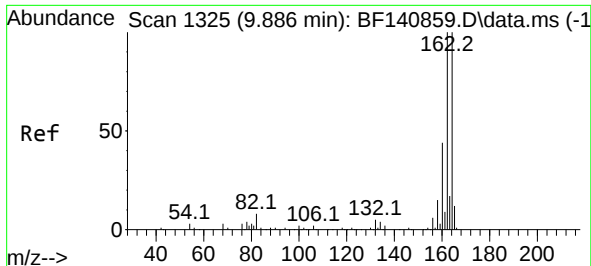
Tgt Ion:122 Resp: 13964
Ion Ratio Lower Upper
122 100
105 29.1 108.3 148.3#
77 60.4 78.8 118.8#



#38
1-Methylnaphthalene
Concen: 2.755 ng
RT: 8.939 min Scan# 1164
Delta R.T. -0.000 min
Lab File: BF140914.D
Acq: 18 Dec 2024 18:56

Tgt Ion:142 Resp: 21164
Ion Ratio Lower Upper
142 100
141 93.0 73.4 110.0

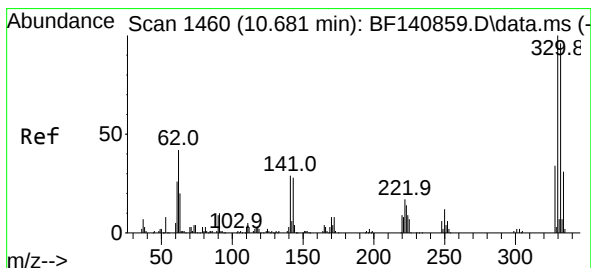
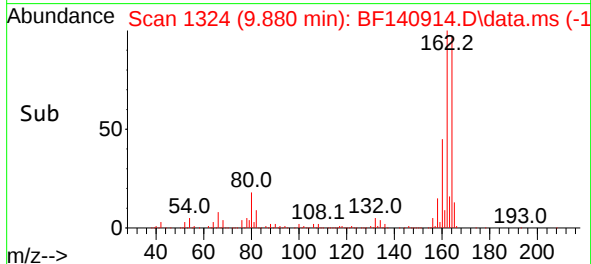
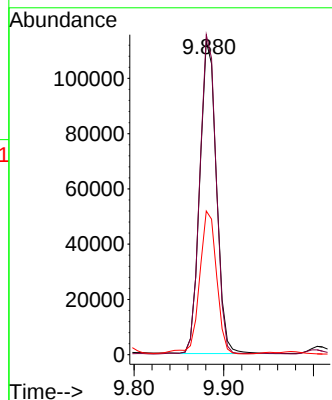
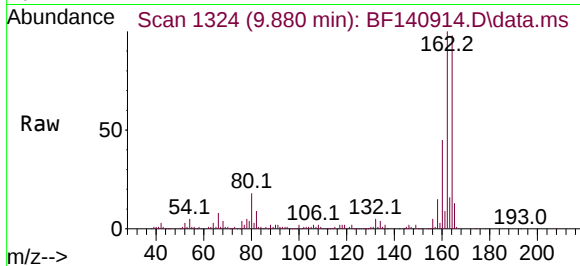




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140914.D
Acq: 18 Dec 2024 18:56

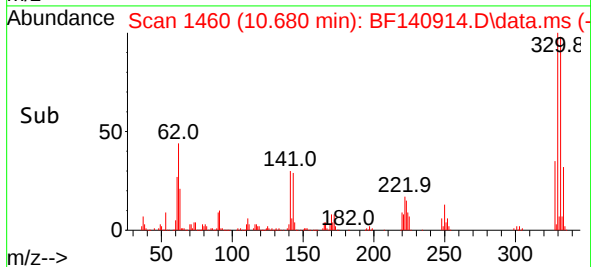
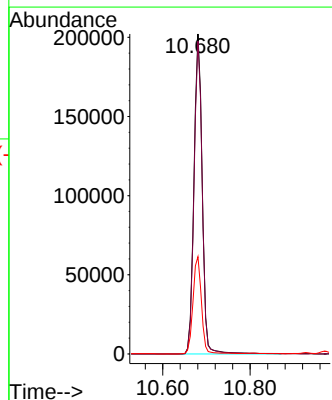
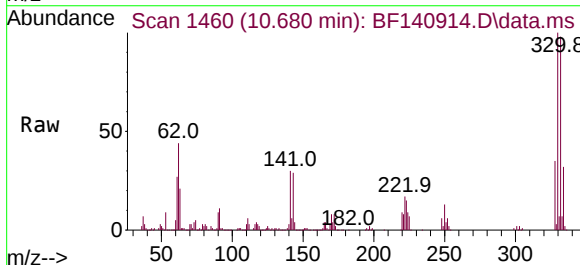
Instrument :
BNA_F
ClientSampleId :
MW6-20241213

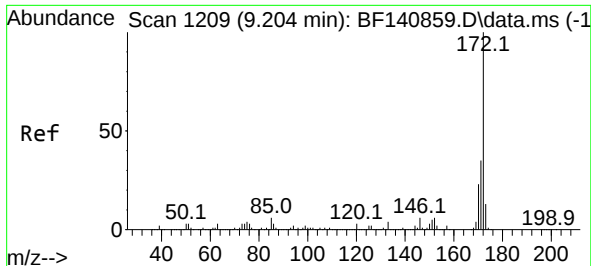
Tgt Ion:164 Resp: 145598
Ion Ratio Lower Upper
164 100
162 102.1 79.9 119.9
160 45.8 35.2 52.8



#42
2,4,6-Tribromophenol
Concen: 154.402 ng
RT: 10.680 min Scan# 1460
Delta R.T. -0.000 min
Lab File: BF140914.D
Acq: 18 Dec 2024 18:56

Tgt Ion:330 Resp: 265882
Ion Ratio Lower Upper
330 100
332 96.9 76.2 114.4
141 31.4 24.9 37.3

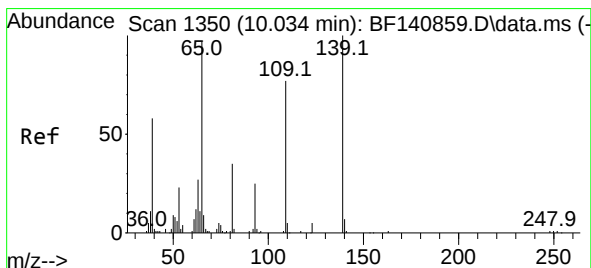
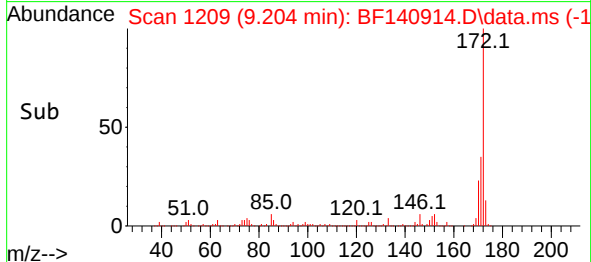
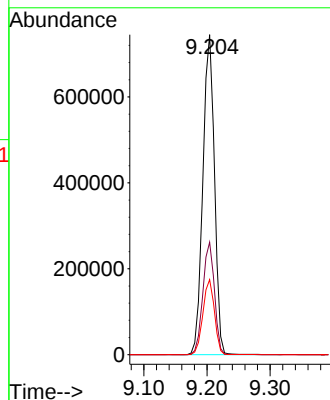
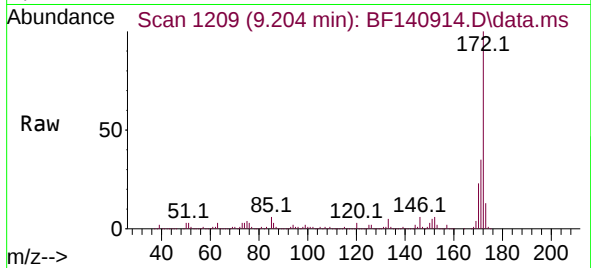




#45
2-Fluorobiphenyl
Concen: 89.871 ng
RT: 9.204 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140914.D
Acq: 18 Dec 2024 18:56

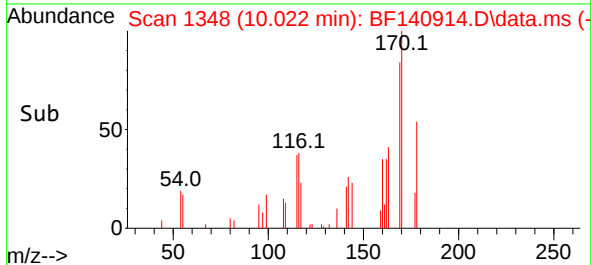
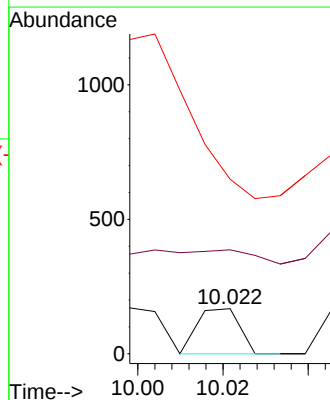
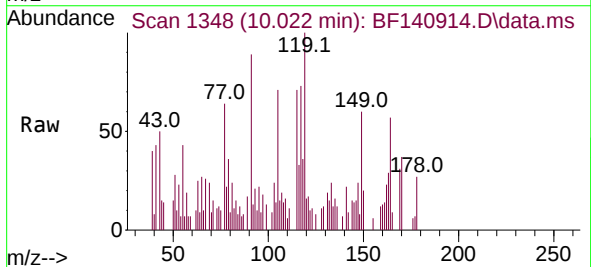
Instrument :
BNA_F
ClientSampleId :
MW6-20241213

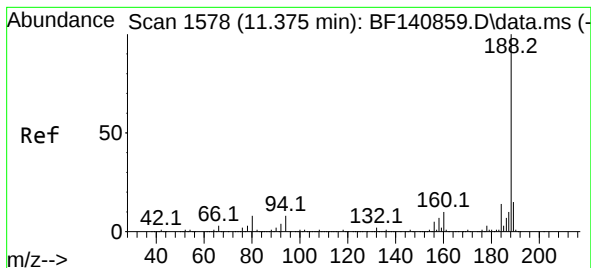
Tgt Ion:172 Resp: 951746
Ion Ratio Lower Upper
172 100
171 35.1 28.4 42.6
170 23.4 18.6 28.0



#56
4-Nitrophenol
Concen: 4.529 ng
RT: 10.022 min Scan# 1348
Delta R.T. -0.012 min
Lab File: BF140914.D
Acq: 18 Dec 2024 18:56

Tgt Ion:139 Resp: 116
Ion Ratio Lower Upper
139 100
109 230.4 56.7 96.7#
65 386.3 78.1 118.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.374 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140914.D

Acq: 18 Dec 2024 18:56

Instrument :

BNA_F

ClientSampleId :

MW6-20241213

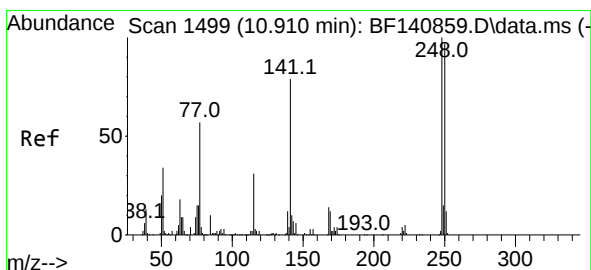
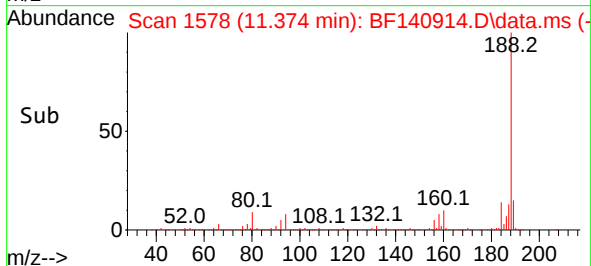
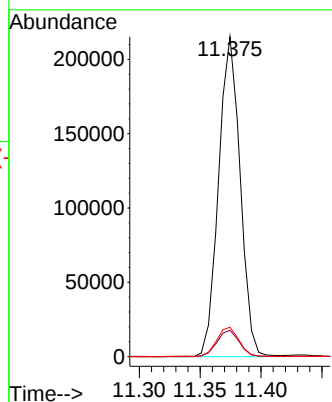
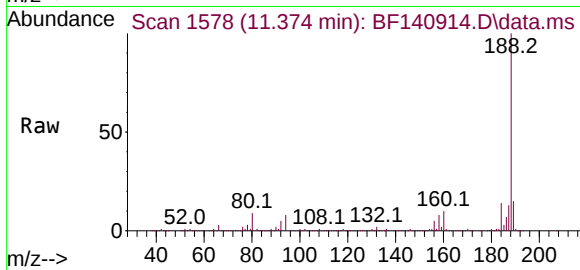
Tgt Ion:188 Resp: 265192

Ion Ratio Lower Upper

188 100

94 8.2 6.4 9.6

80 9.2 6.8 10.2



#67

4-Bromophenyl-phenylether

Concen: 5.546 ng

RT: 10.680 min Scan# 1460

Delta R.T. -0.230 min

Lab File: BF140914.D

Acq: 18 Dec 2024 18:56

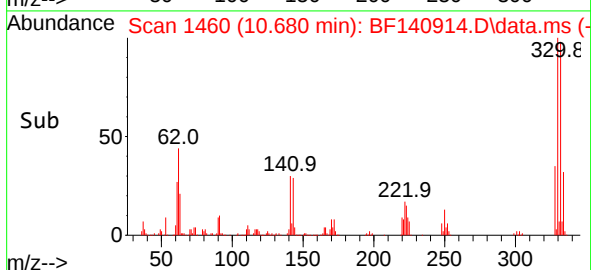
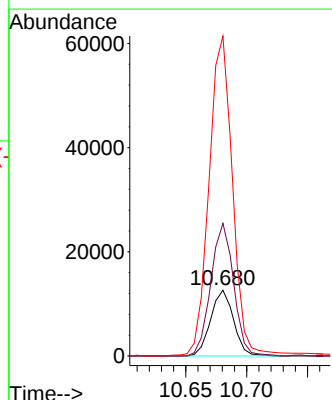
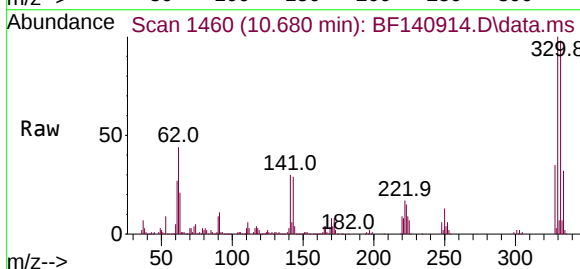
Tgt Ion:248 Resp: 16453

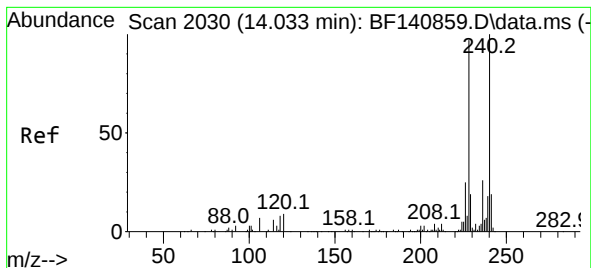
Ion Ratio Lower Upper

248 100

250 201.5 77.4 116.2#

141 486.2 62.9 94.3#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.021 min Scan# 2030

Delta R.T. -0.012 min

Lab File: BF140914.D

Acq: 18 Dec 2024 18:56

Instrument :

BNA_F

ClientSampleId :

MW6-20241213

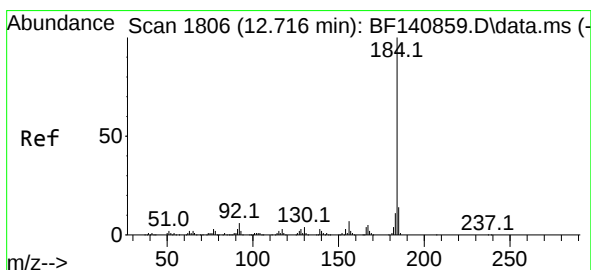
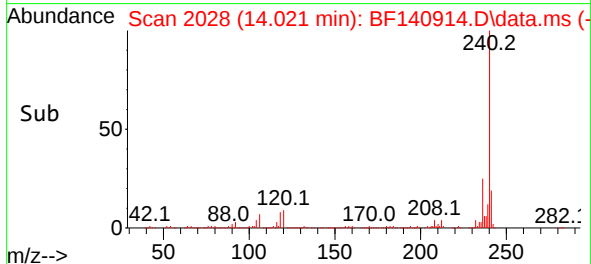
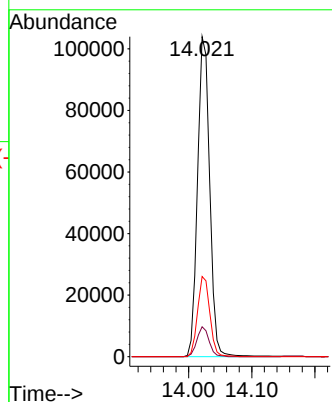
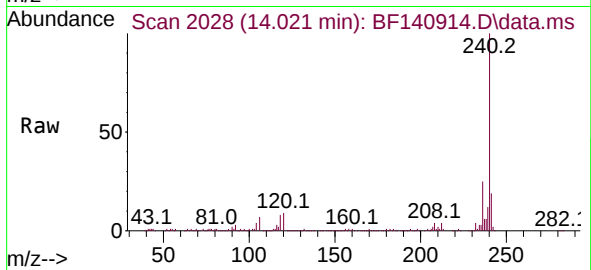
Tgt Ion:240 Resp: 138770

Ion Ratio Lower Upper

240 100

120 9.4 7.6 11.4

236 25.1 20.5 30.7



#77

Benzidine

Concen: 4.908 ng

RT: 12.957 min Scan# 1847

Delta R.T. 0.241 min

Lab File: BF140914.D

Acq: 18 Dec 2024 18:56

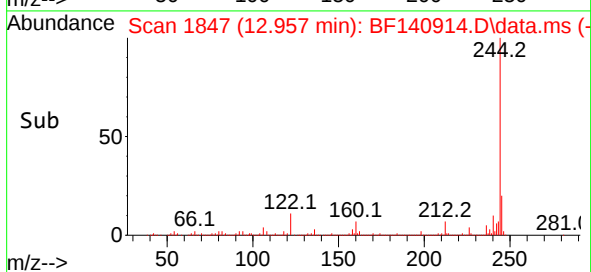
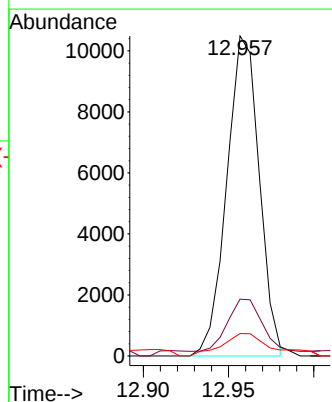
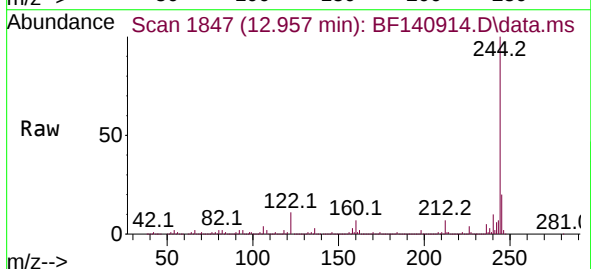
Tgt Ion:184 Resp: 13901

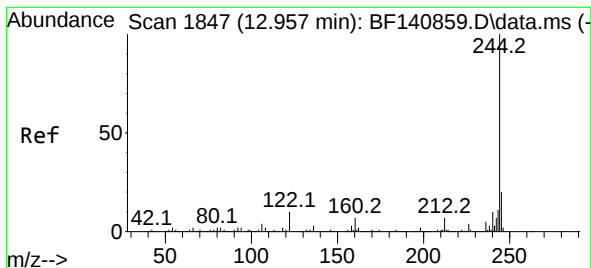
Ion Ratio Lower Upper

184 100

185 17.8 11.1 16.7#

183 7.0 9.0 13.4#





#79

Terphenyl-d14

Concen: 118.841 ng

RT: 12.957 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF140914.D

Acq: 18 Dec 2024 18:56

Instrument :

BNA_F

ClientSampleId :

MW6-20241213

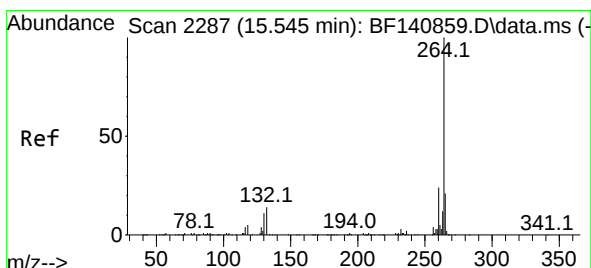
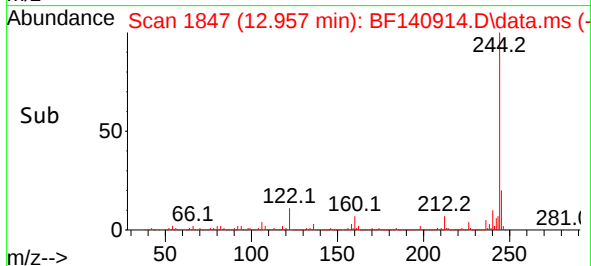
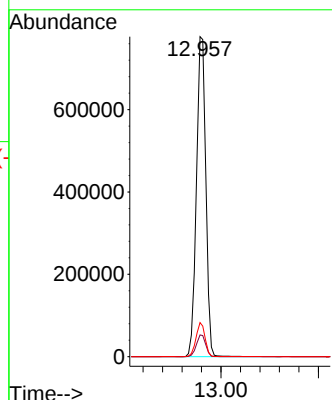
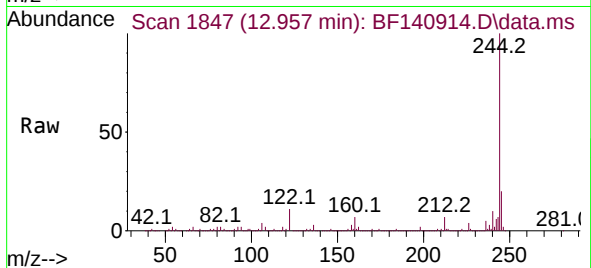
Tgt Ion:244 Resp: 1045841

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 10.7 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.510 min Scan# 2281

Delta R.T. -0.035 min

Lab File: BF140914.D

Acq: 18 Dec 2024 18:56

Tgt Ion:264 Resp: 153106

Ion Ratio Lower Upper

264 100

260 23.1 19.1 28.7

265 21.7 17.0 25.4

