

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121824\
 Data File : BF140911.D
 Acq On : 18 Dec 2024 17:38
 Operator : RC/JU
 Sample : P5291-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW3-20241213

Quant Time: Dec 19 00:15:38 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)

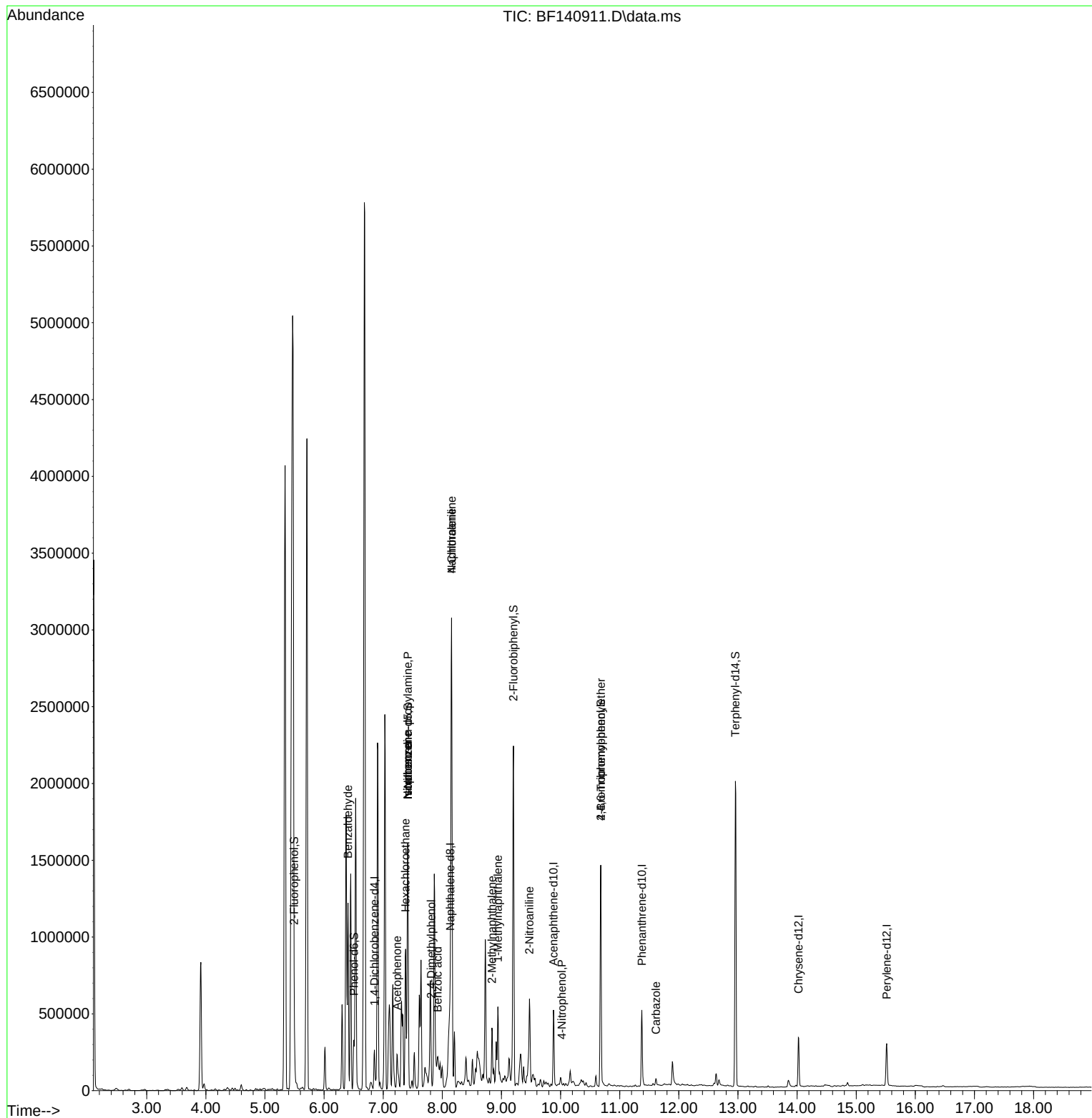
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	56554	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	228223	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	145439	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	254549	20.000	ng	0.00
76) Chrysene-d12	14.027	240	165146	20.000	ng	0.00
86) Perylene-d12	15.515	264	165993	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	219618	63.927	ng	0.00
7) Phenol-d6	6.504	99	177726	39.058	ng	0.00
23) Nitrobenzene-d5	7.416	82	453858	99.495	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	263079	152.941	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	1002101	94.730	ng	0.00
79) Terphenyl-d14	12.957	244	1016059	97.017	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.404	77	57397	22.765	ng	# 1
18) Hexachloroethane	7.375	117	110157	68.286	ng	# 1
19) n-Nitroso-di-n-propyla...	7.416	70	62325	22.834	ng	# 79
22) Acetophenone	7.234	105	152715	26.750	ng	# 55
24) Nitrobenzene	7.416	77	16848	3.605	ng	# 5
25) Isophorone	7.416	82	446658	58.438	ng	# 65
27) 2,4-Dimethylphenol	7.810	122	13631	5.423	ng	95
31) Naphthalene	8.157	128	2008075	160.178	ng	99
32) Benzoic acid	7.922	122	6519	2.735	ng	# 31
33) 4-Chloroaniline	8.157	127	277267	66.591	ng	# 32
37) 2-Methylnaphthalene	8.839	142	141691	17.086	ng	99
38) 1-Methylnaphthalene	8.939	142	173840	21.196	ng	99
48) 2-Nitroaniline	9.475	65	16136	6.039	ng	# 21
56) 4-Nitrophenol	10.022	139	311	4.676	ng	# 1
67) 4-Bromophenyl-phenylether	10.680	248	16775	5.891	ng	# 1
73) Carbazole	11.616	167	25833	2.046	ng	98

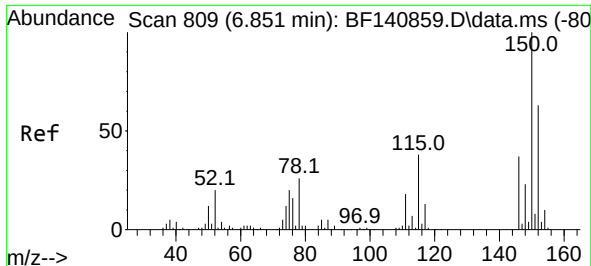
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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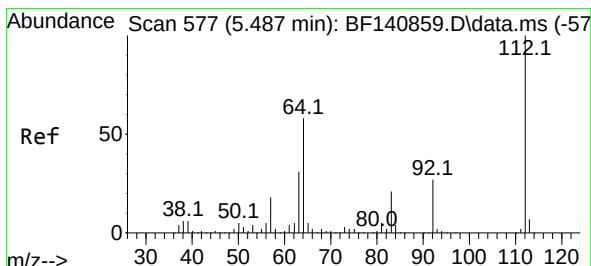
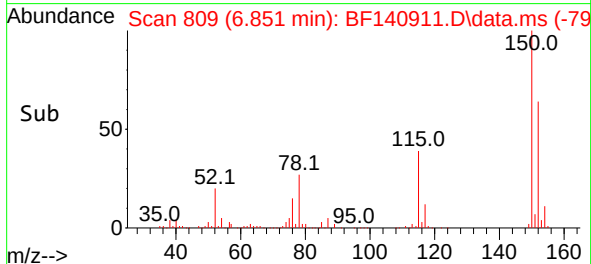
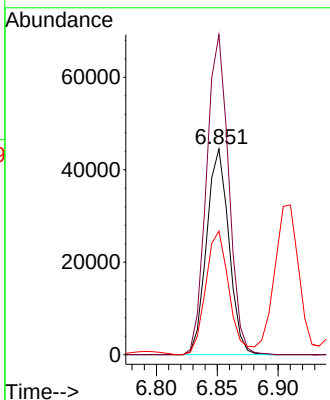
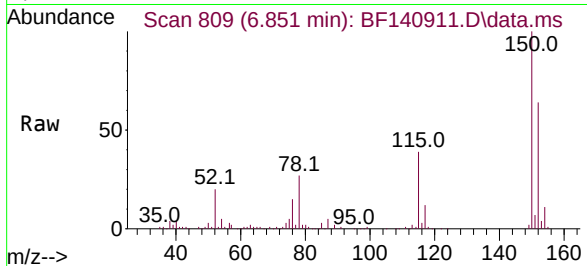




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 809
Delta R.T. 0.000 min
Lab File: BF140911.D
Acq: 18 Dec 2024 17:38

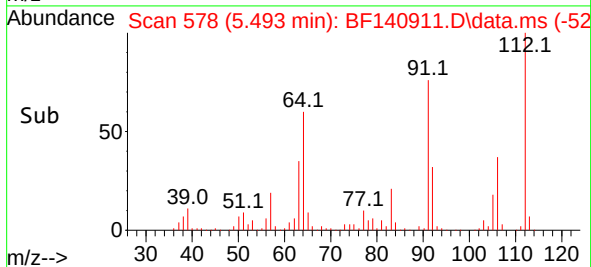
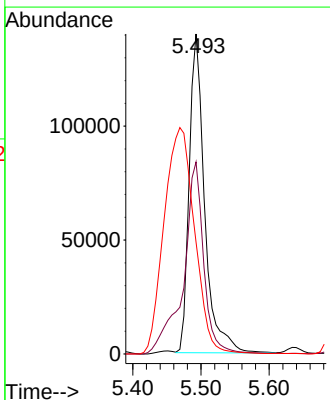
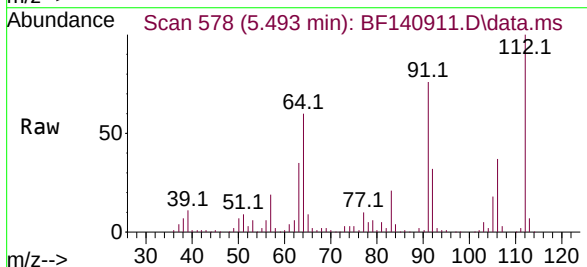
Instrument :
BNA_F
ClientSampleId :
MW3-20241213

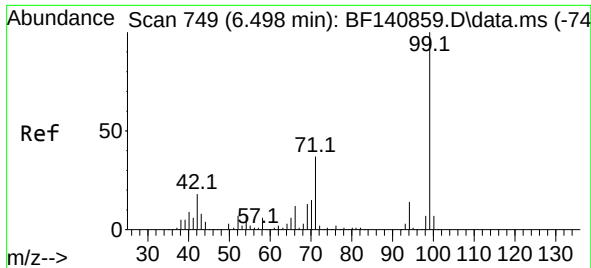
Tgt Ion:152 Resp: 56554
Ion Ratio Lower Upper
152 100
150 155.5 127.9 191.9
115 60.0 48.0 72.0



#5
2-Fluorophenol
Concen: 63.927 ng
RT: 5.493 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF140911.D
Acq: 18 Dec 2024 17:38

Tgt Ion:112 Resp: 219618
Ion Ratio Lower Upper
112 100
64 60.0 46.1 69.1
63 34.9 24.9 37.3

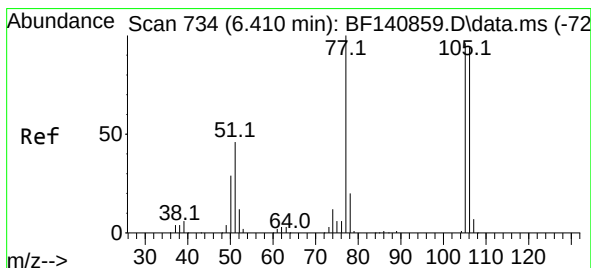
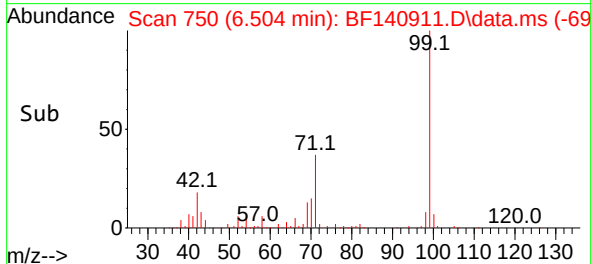
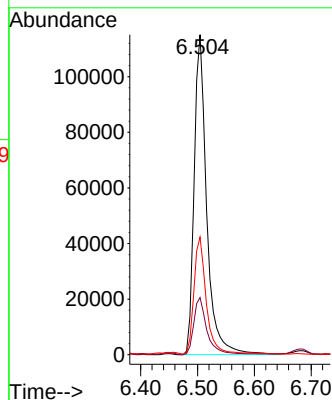
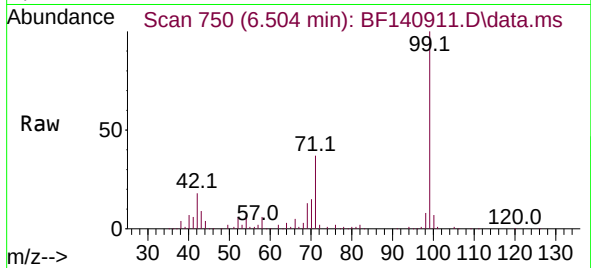




#7
Phenol-d6
Concen: 39.058 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140911.D
Acq: 18 Dec 2024 17:38

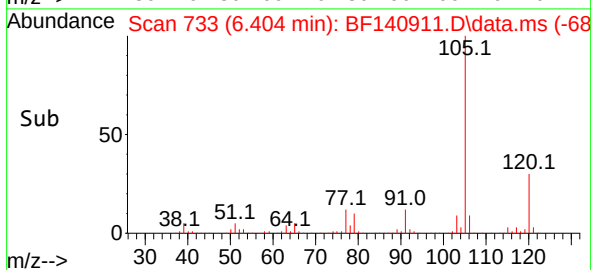
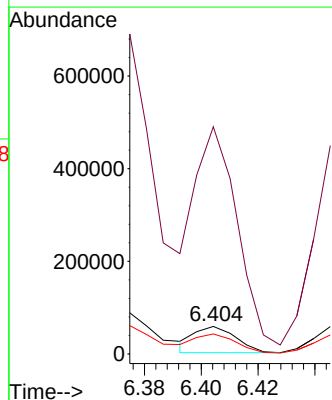
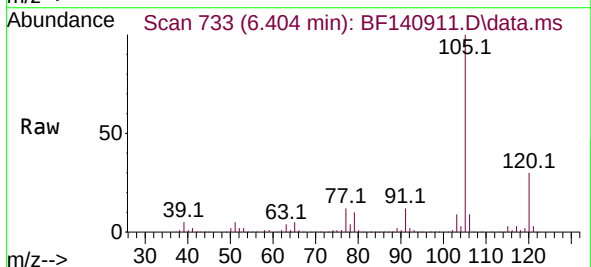
Instrument :
BNA_F
ClientSampleId :
MW3-20241213

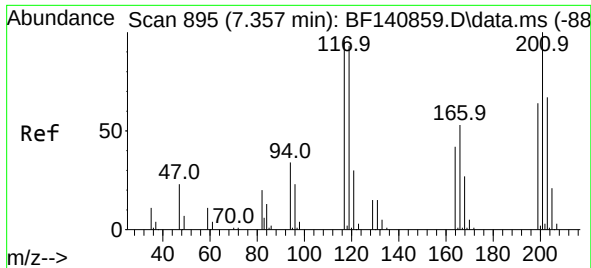
Tgt Ion: 99 Resp: 177726
Ion Ratio Lower Upper
99 100
42 17.8 14.3 21.5
71 36.8 29.9 44.9



#9
Benzaldehyde
Concen: 22.765 ng
RT: 6.404 min Scan# 733
Delta R.T. -0.006 min
Lab File: BF140911.D
Acq: 18 Dec 2024 17:38

Tgt Ion: 77 Resp: 57397
Ion Ratio Lower Upper
77 100
105 823.6 75.8 115.8#
106 72.7 74.1 114.1#

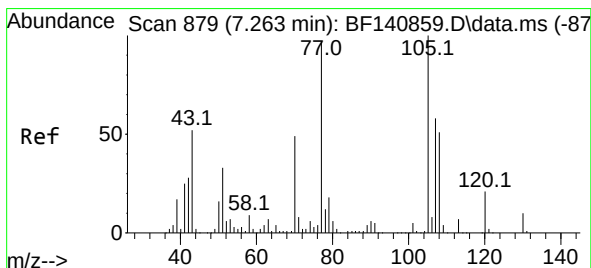
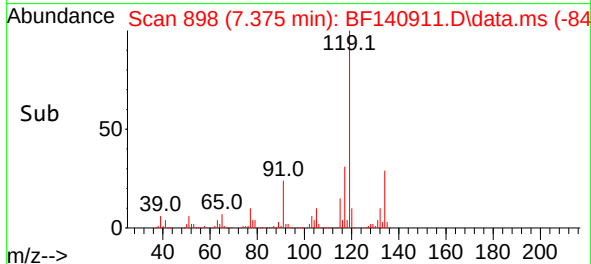
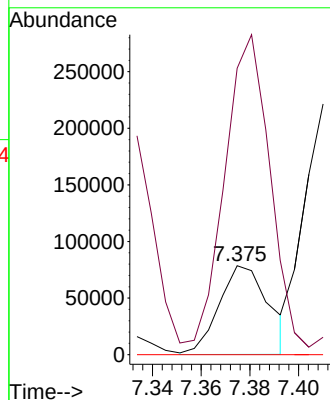
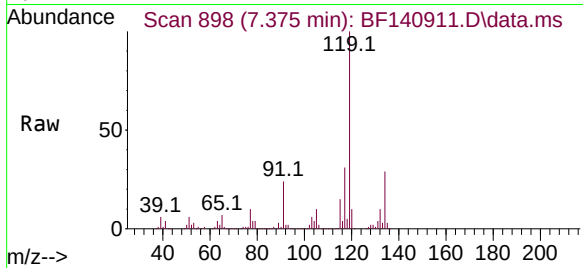




#18
Hexachloroethane
Concen: 68.286 ng
RT: 7.375 min Scan# 895
Delta R.T. 0.018 min
Lab File: BF140911.D
Acq: 18 Dec 2024 17:38

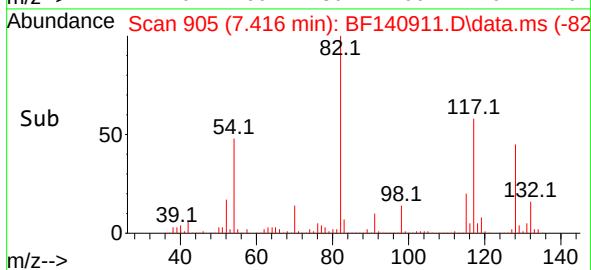
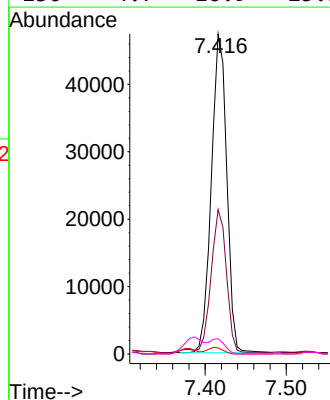
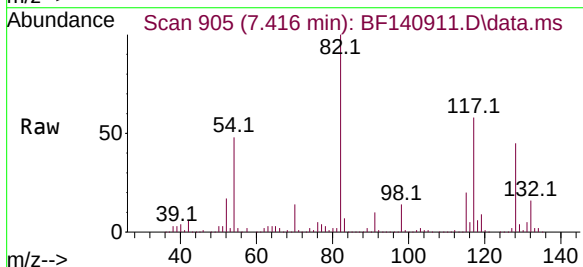
Instrument :
BNA_F
ClientSampleId :
MW3-20241213

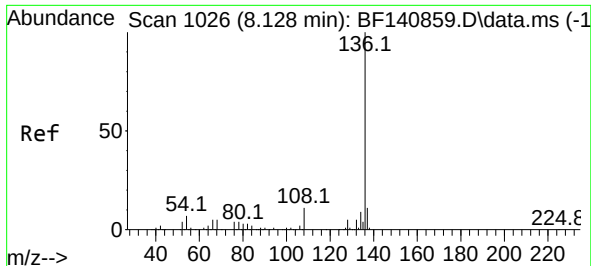
Tgt Ion:117 Resp: 110157
Ion Ratio Lower Upper
117 100
119 322.0 77.4 116.0#
201 0.0 83.4 125.0#



#19
n-Nitroso-di-n-propylamine
Concen: 22.834 ng
RT: 7.416 min Scan# 905
Delta R.T. 0.153 min
Lab File: BF140911.D
Acq: 18 Dec 2024 17:38

Tgt Ion: 70 Resp: 62325
Ion Ratio Lower Upper
70 100
42 45.1 45.3 67.9#
101 1.9 8.0 12.0#
130 4.7 16.9 25.3#

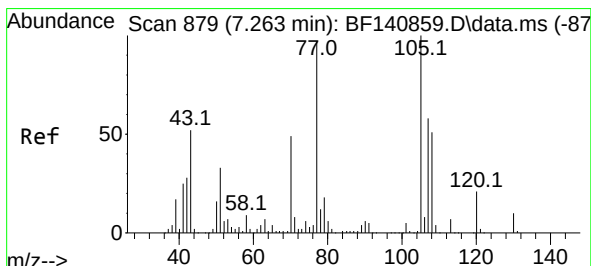
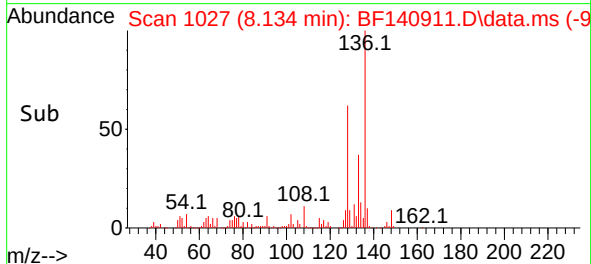
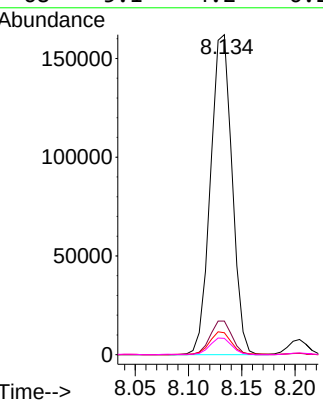
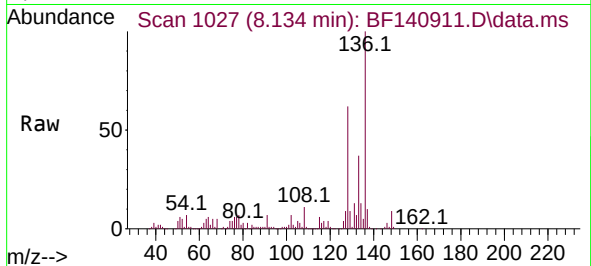




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1026
Delta R.T. 0.006 min
Lab File: BF140911.D
Acq: 18 Dec 2024 17:38

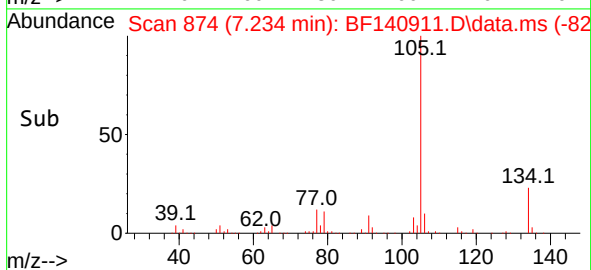
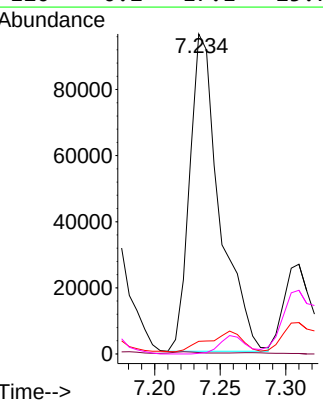
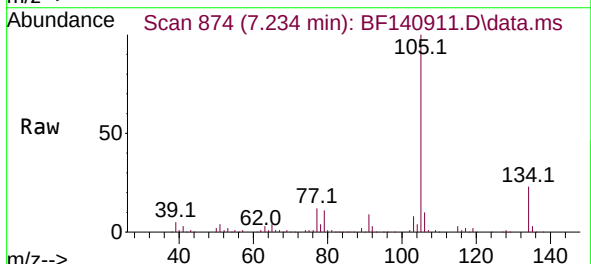
Instrument :
BNA_F
ClientSampleId :
MW3-20241213

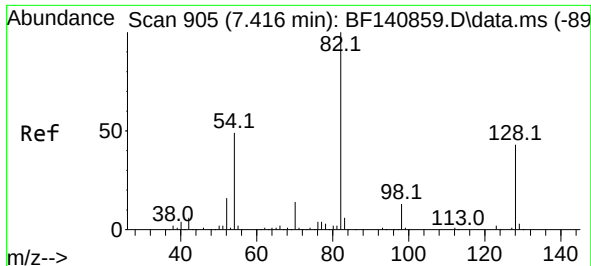
Tgt Ion:136 Resp: 228223
Ion Ratio Lower Upper
136 100
137 10.5 9.0 13.4
54 6.8 5.6 8.4
68 5.1 4.2 6.2



#22
Acetophenone
Concen: 26.750 ng
RT: 7.234 min Scan# 874
Delta R.T. -0.030 min
Lab File: BF140911.D
Acq: 18 Dec 2024 17:38

Tgt Ion:105 Resp: 152715
Ion Ratio Lower Upper
105 100
71 0.4 6.2 9.4#
51 4.0 26.3 39.5#
120 0.2 17.1 25.7#





#23

Nitrobenzene-d5

Concen: 99.495 ng

RT: 7.416 min Scan# 905

Delta R.T. -0.000 min

Lab File: BF140911.D

Acq: 18 Dec 2024 17:38

Instrument :

BNA_F

ClientSampleId :

MW3-20241213

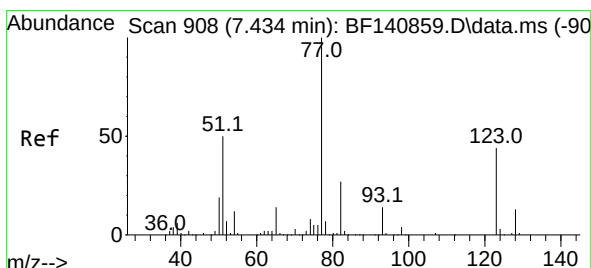
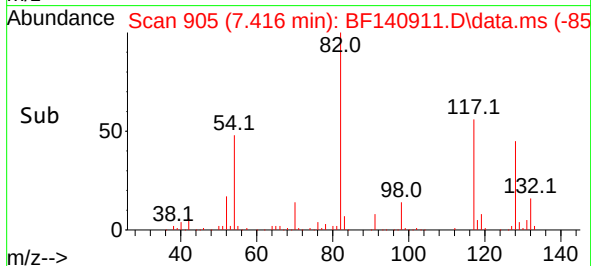
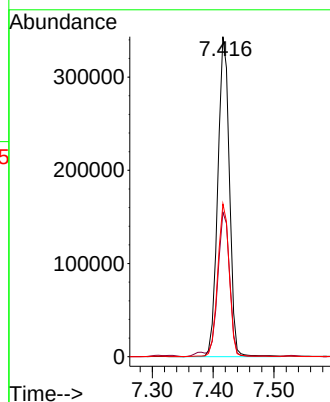
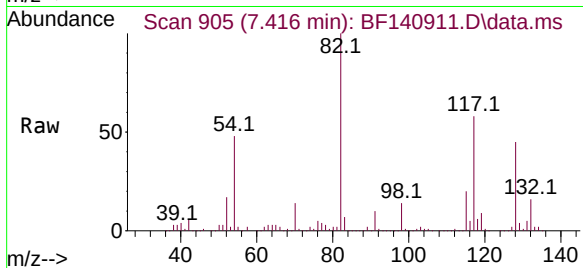
Tgt Ion: 82 Resp: 453858

Ion Ratio Lower Upper

82 100

128 45.2 34.4 51.6

54 47.7 38.8 58.2



#24

Nitrobenzene

Concen: 3.605 ng

RT: 7.416 min Scan# 905

Delta R.T. -0.018 min

Lab File: BF140911.D

Acq: 18 Dec 2024 17:38

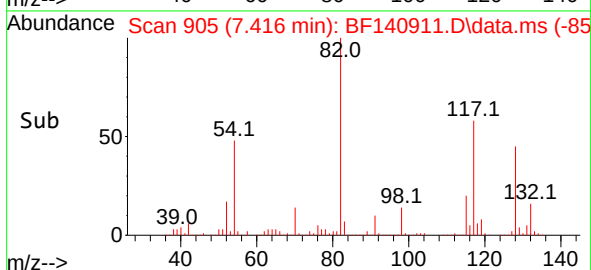
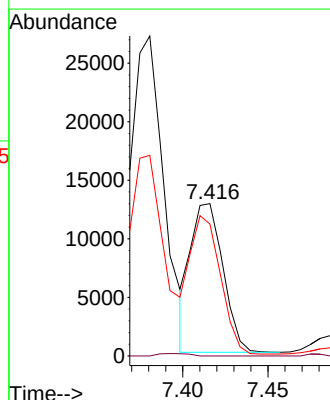
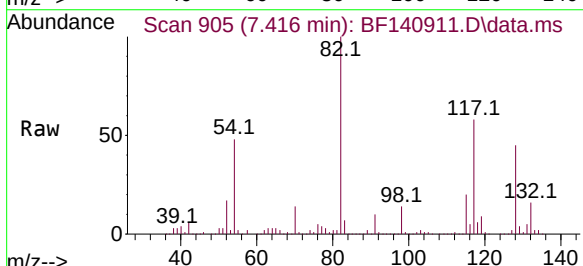
Tgt Ion: 77 Resp: 16848

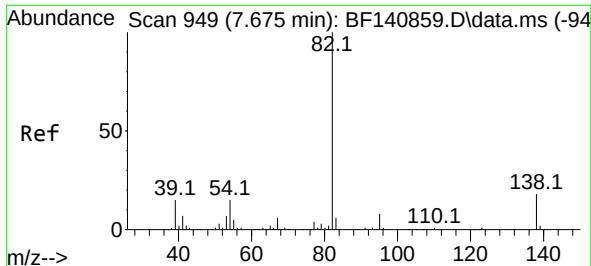
Ion Ratio Lower Upper

77 100

123 0.0 35.0 52.4#

65 86.5 11.4 17.0#

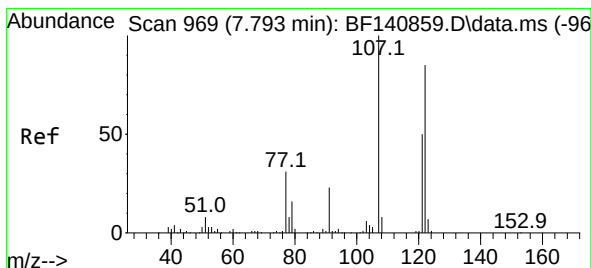
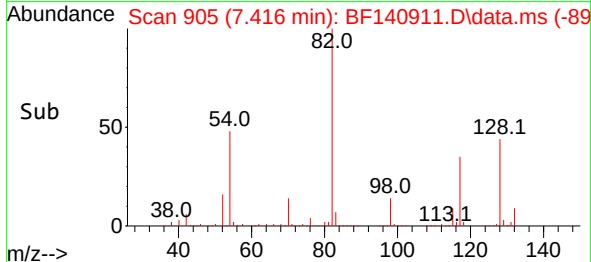
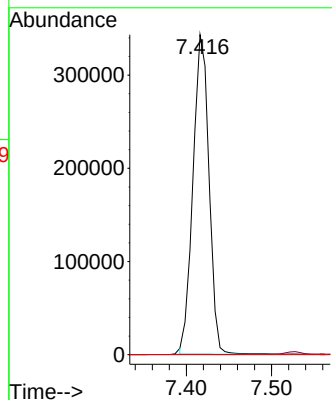
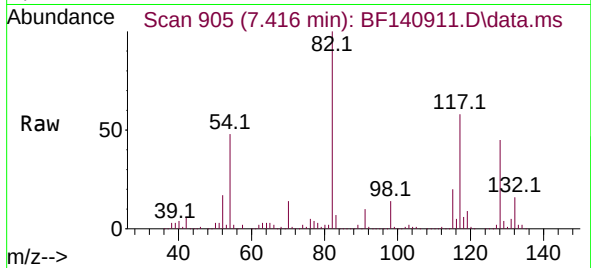




#25
Isophorone
Concen: 58.438 ng
RT: 7.416 min Scan# 905
Delta R.T. -0.259 min
Lab File: BF140911.D
Acq: 18 Dec 2024 17:38

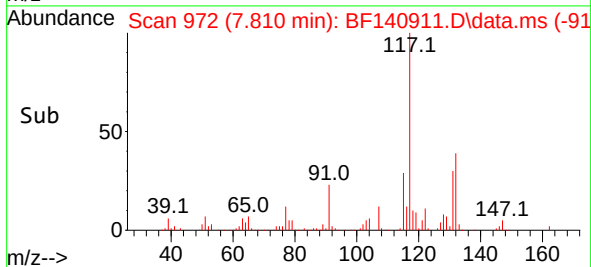
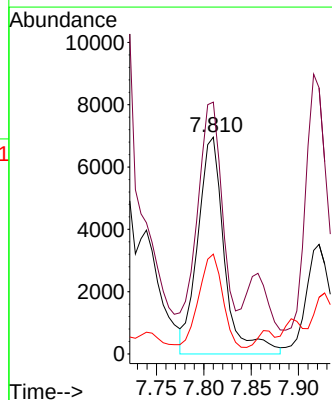
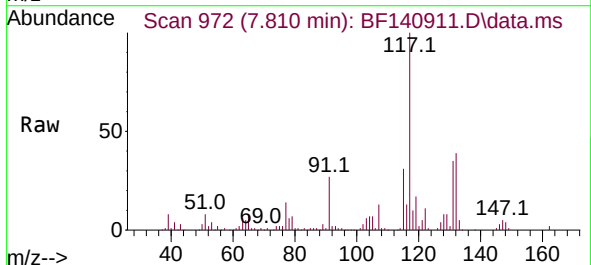
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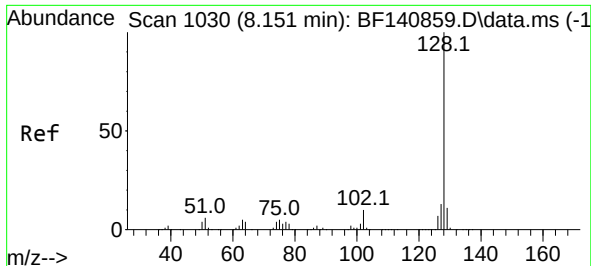
Tgt Ion: 82 Resp: 446658
Ion Ratio Lower Upper
82 100
95 0.1 6.3 9.5#
138 0.0 14.1 21.1#



#27
2,4-Dimethylphenol
Concen: 5.423 ng
RT: 7.810 min Scan# 972
Delta R.T. 0.018 min
Lab File: BF140911.D
Acq: 18 Dec 2024 17:38

Tgt Ion: 122 Resp: 13631
Ion Ratio Lower Upper
122 100
107 116.1 92.6 139.0
121 46.0 45.8 68.8

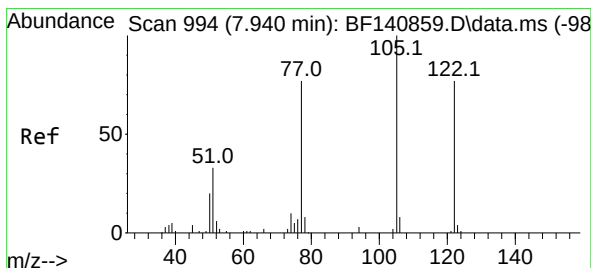
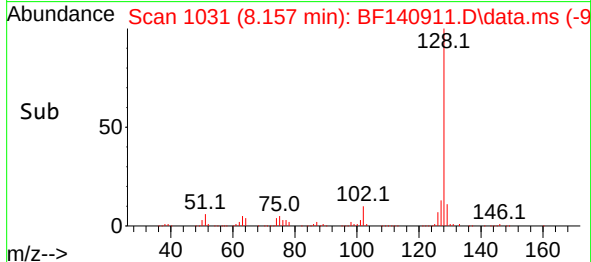
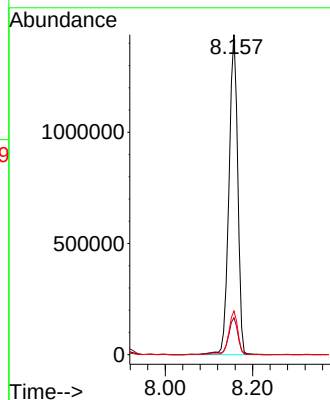
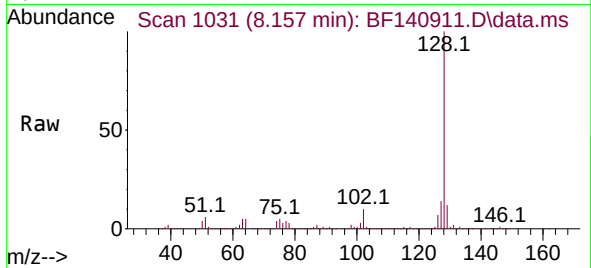




#31
Naphthalene
Concen: 160.178 ng
RT: 8.157 min Scan# 1030
Delta R.T. 0.006 min
Lab File: BF140911.D
Acq: 18 Dec 2024 17:38

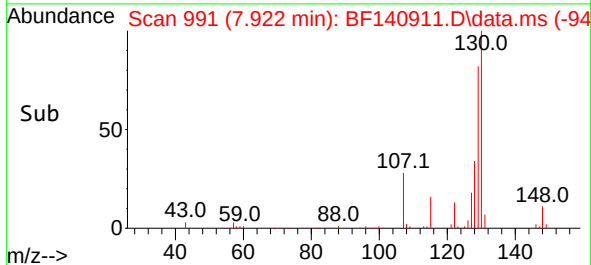
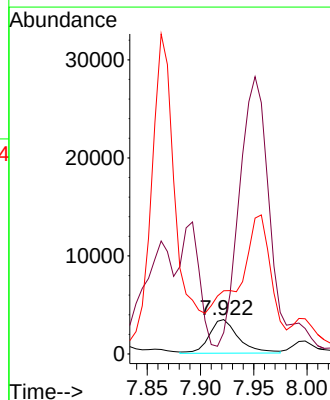
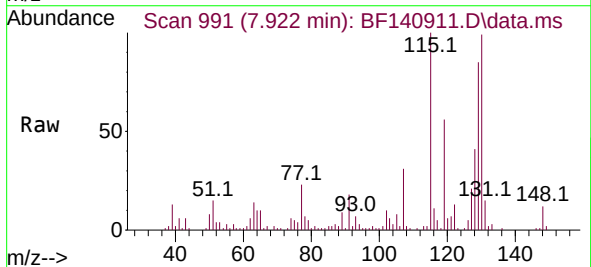
Instrument :
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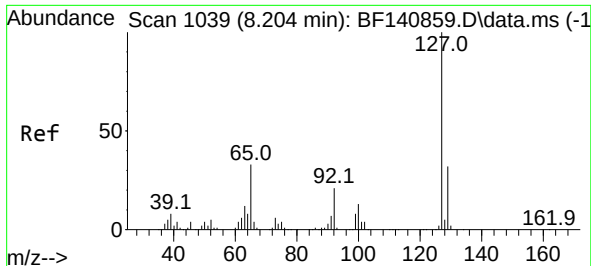
Tgt Ion:128 Resp: 2008075
Ion Ratio Lower Upper
128 100
129 11.5 8.9 13.3
127 13.6 10.6 16.0



#32
Benzoic acid
Concen: 2.735 ng
RT: 7.922 min Scan# 991
Delta R.T. -0.018 min
Lab File: BF140911.D
Acq: 18 Dec 2024 17:38

Tgt Ion:122 Resp: 6519
Ion Ratio Lower Upper
122 100
105 62.2 108.3 148.3#
77 183.2 78.8 118.8#

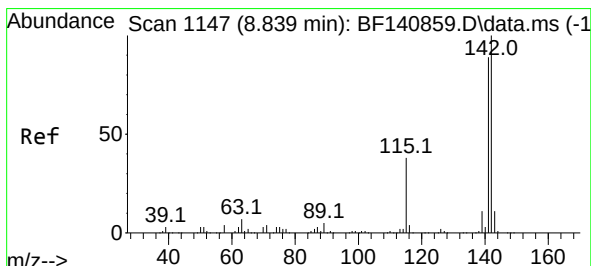
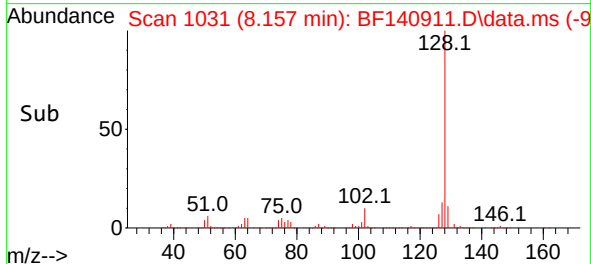
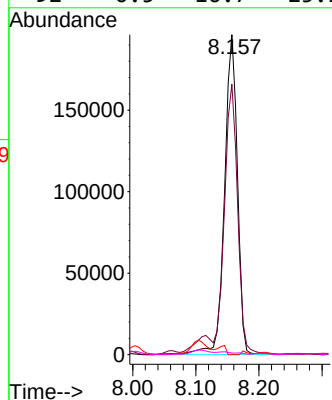
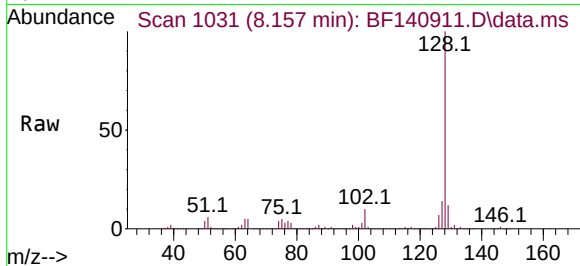




#33
4-Chloroaniline
Concen: 66.591 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.047 min
Lab File: BF140911.D
Acq: 18 Dec 2024 17:38

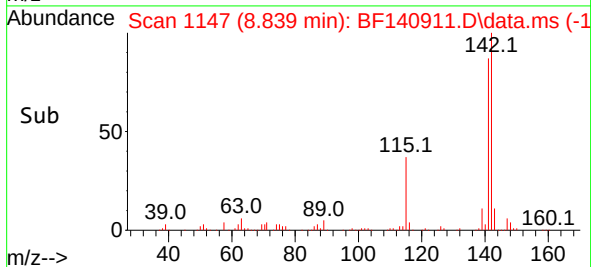
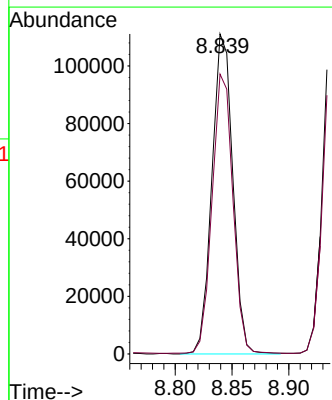
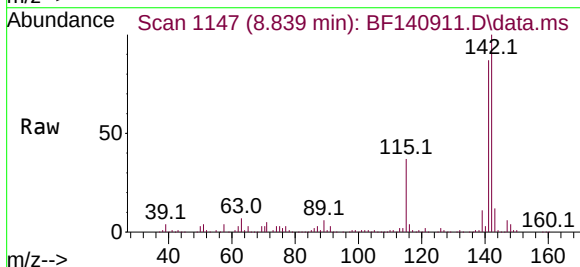
Instrument :
BNA_F
ClientSampleId :
MW3-20241213

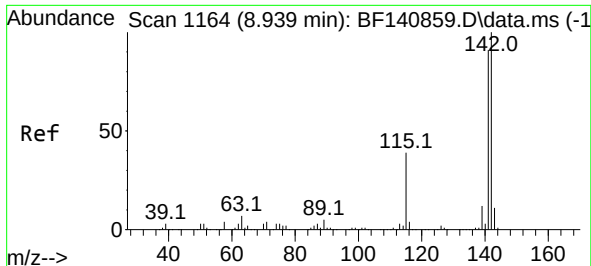
Tgt Ion:127	Resp: 277267
Ion Ratio	Lower Upper
127 100	
129 84.5	26.0 39.0#
65 0.0	26.0 39.0#
92 0.5	16.7 25.1#



#37
2-Methylnaphthalene
Concen: 17.086 ng
RT: 8.839 min Scan# 1147
Delta R.T. -0.000 min
Lab File: BF140911.D
Acq: 18 Dec 2024 17:38

Tgt Ion:142	Resp: 141691
Ion Ratio	Lower Upper
142 100	
141 87.4	71.0 106.6

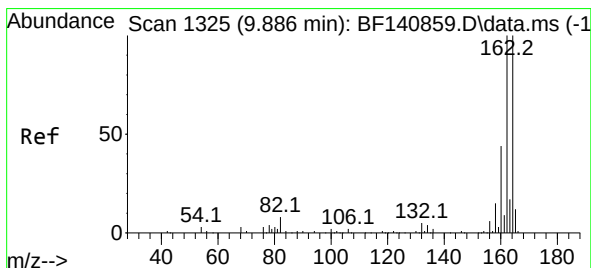
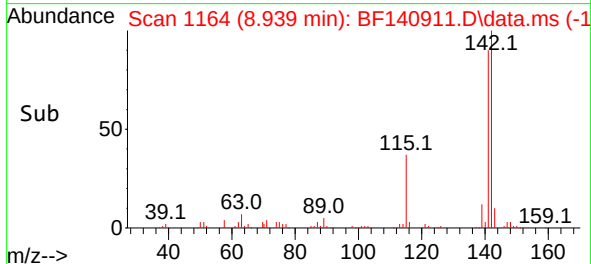
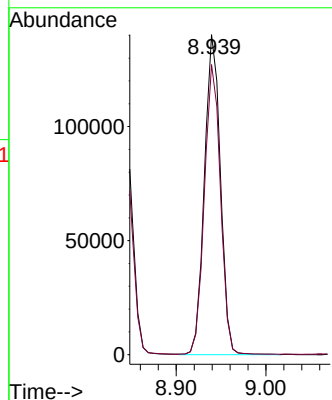
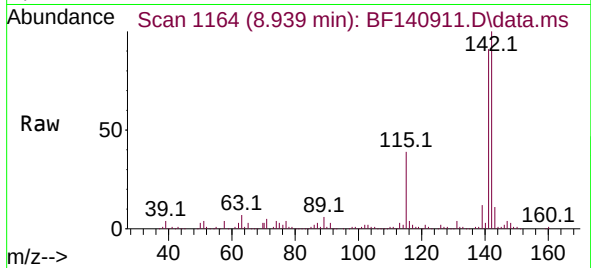




#38
1-Methylnaphthalene
Concen: 21.196 ng
RT: 8.939 min Scan# 1164
Delta R.T. -0.000 min
Lab File: BF140911.D
Acq: 18 Dec 2024 17:38

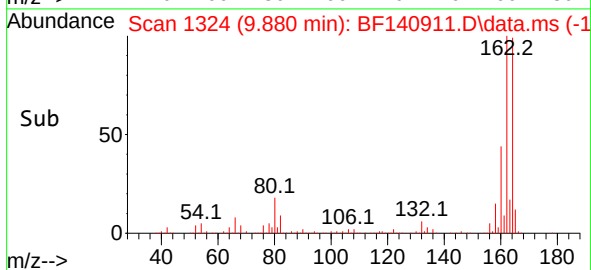
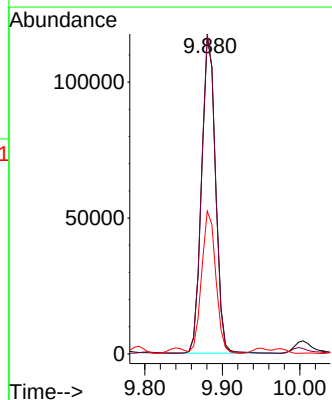
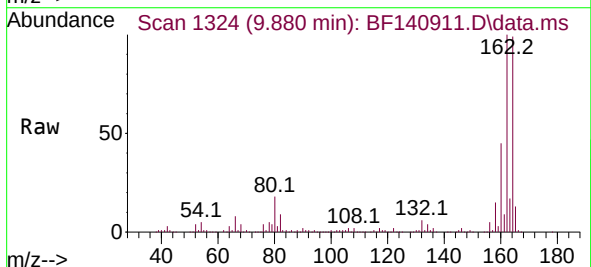
Instrument :
BNA_F
ClientSampleId :
MW3-20241213

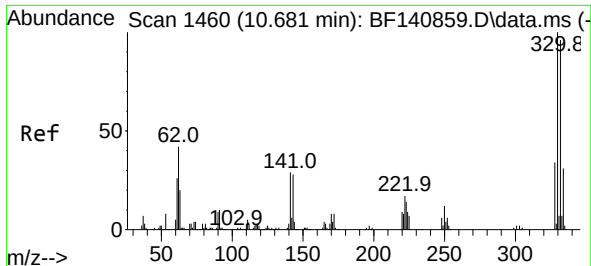
Tgt Ion:142 Resp: 173840
Ion Ratio Lower Upper
142 100
141 90.6 73.4 110.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF140911.D
Acq: 18 Dec 2024 17:38

Tgt Ion:164 Resp: 145439
Ion Ratio Lower Upper
164 100
162 101.0 79.9 119.9
160 45.1 35.2 52.8





#42

2,4,6-Tribromophenol

Concen: 152.941 ng

RT: 10.680 min Scan# 1460

Delta R.T. -0.000 min

Lab File: BF140911.D

Acq: 18 Dec 2024 17:38

Instrument :

BNA_F

ClientSampleId :

MW3-20241213

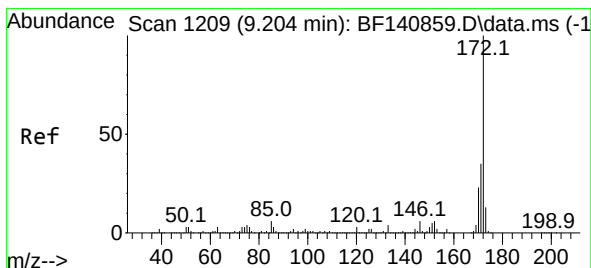
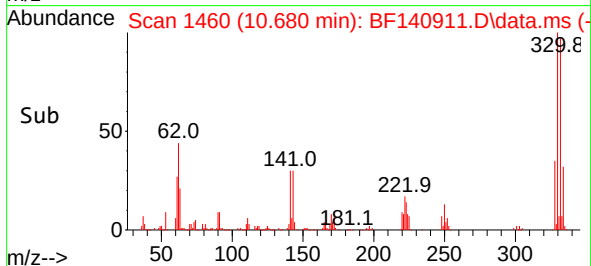
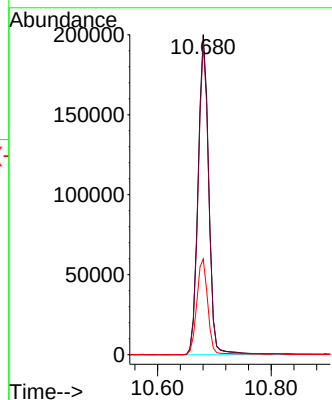
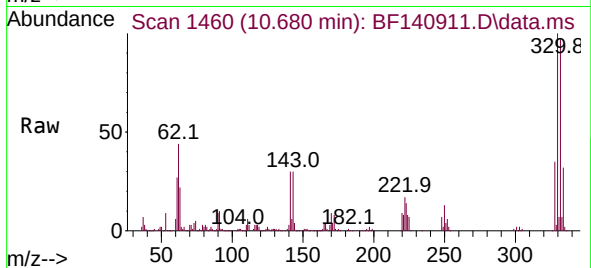
Tgt Ion:330 Resp: 263079

Ion Ratio Lower Upper

330 100

332 97.3 76.2 114.4

141 31.0 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 94.730 ng

RT: 9.204 min Scan# 1209

Delta R.T. -0.000 min

Lab File: BF140911.D

Acq: 18 Dec 2024 17:38

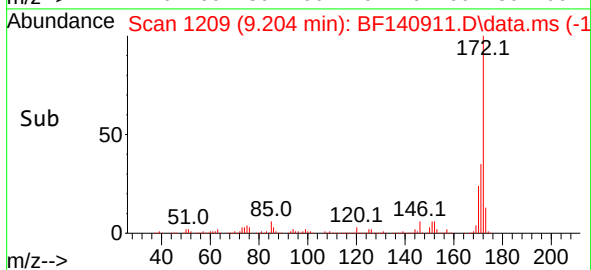
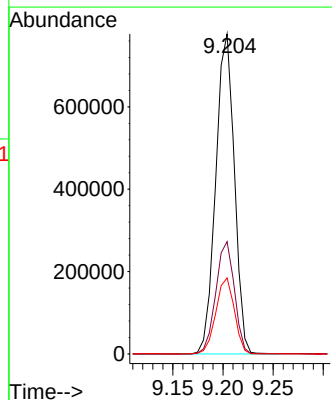
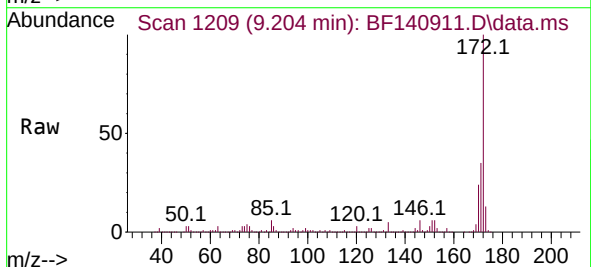
Tgt Ion:172 Resp: 1002101

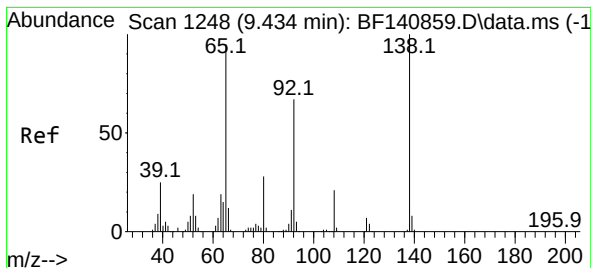
Ion Ratio Lower Upper

172 100

171 35.1 28.4 42.6

170 23.7 18.6 28.0





#48

2-Nitroaniline

Concen: 6.039 ng

RT: 9.475 min Scan# 11

Delta R.T. 0.041 min

Lab File: BF140911.D

Acq: 18 Dec 2024 17:38

Instrument :

BNA_F

ClientSampleId :

MW3-20241213

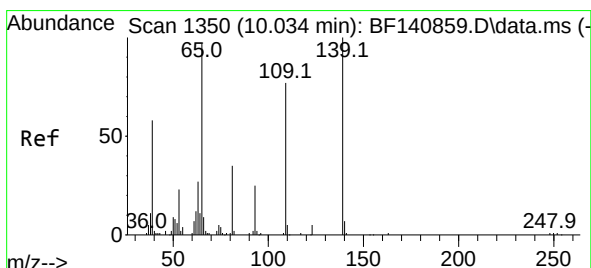
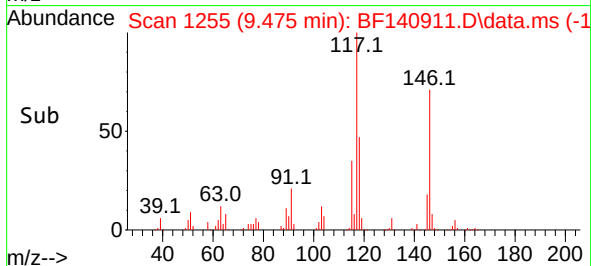
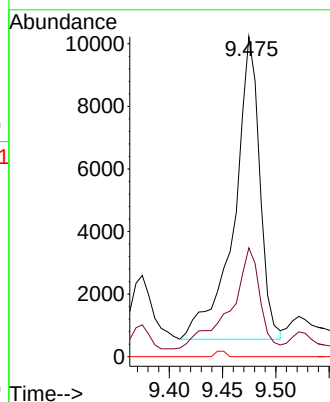
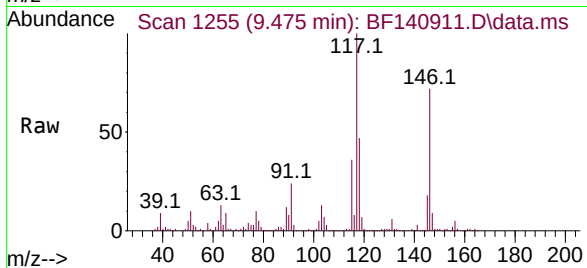
Tgt Ion: 65 Resp: 16136

Ion Ratio Lower Upper

65 100

92 34.0 56.3 84.5#

138 0.0 83.8 125.6#



#56

4-Nitrophenol

Concen: 4.676 ng

RT: 10.022 min Scan# 1348

Delta R.T. -0.012 min

Lab File: BF140911.D

Acq: 18 Dec 2024 17:38

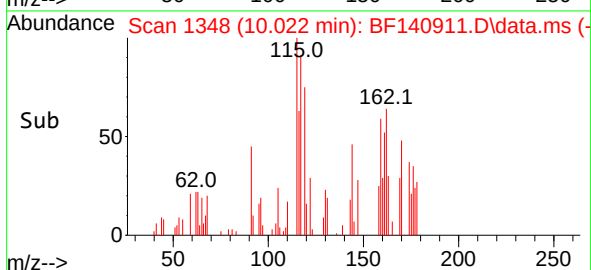
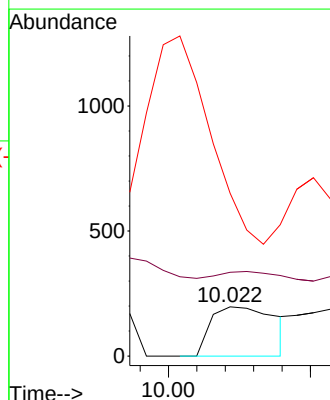
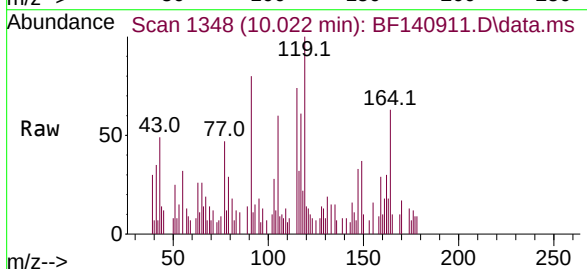
Tgt Ion: 139 Resp: 311

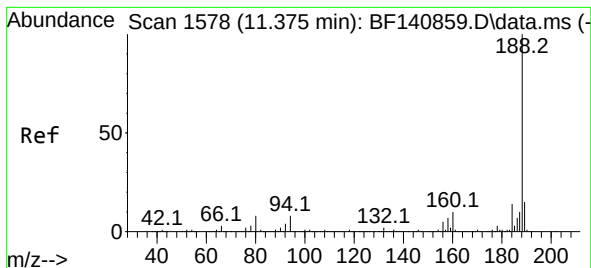
Ion Ratio Lower Upper

139 100

109 170.1 56.7 96.7#

65 330.5 78.1 118.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.375 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140911.D

Acq: 18 Dec 2024 17:38

Instrument :

BNA_F

ClientSampleId :

MW3-20241213

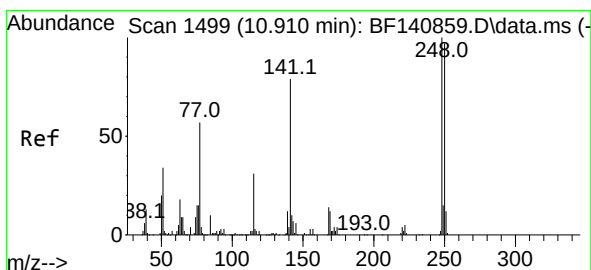
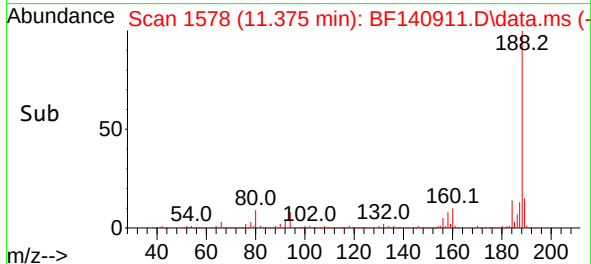
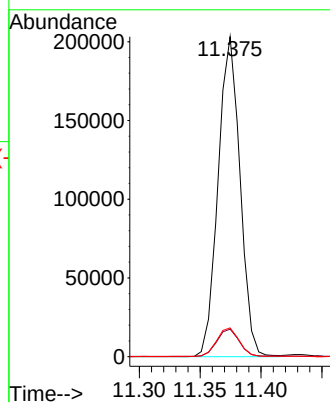
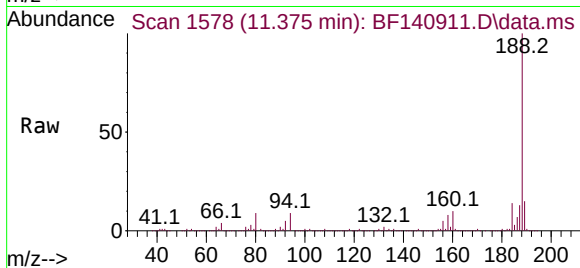
Tgt Ion:188 Resp: 254549

Ion Ratio Lower Upper

188 100

94 8.6 6.4 9.6

80 9.0 6.8 10.2



#67

4-Bromophenyl-phenylether

Concen: 5.891 ng

RT: 10.680 min Scan# 1460

Delta R.T. -0.229 min

Lab File: BF140911.D

Acq: 18 Dec 2024 17:38

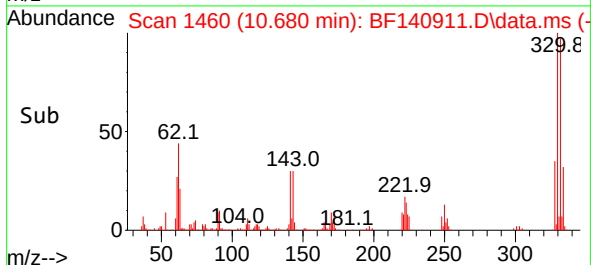
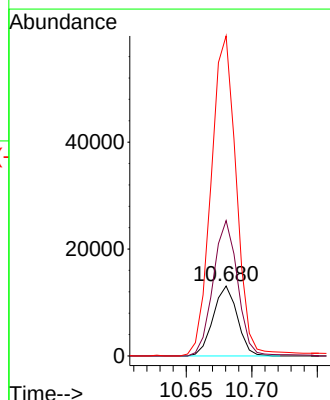
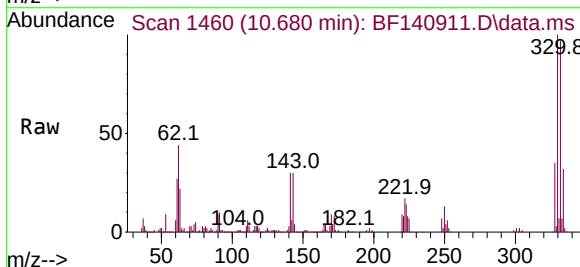
Tgt Ion:248 Resp: 16775

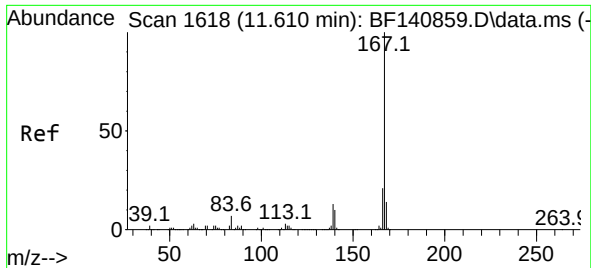
Ion Ratio Lower Upper

248 100

250 193.8 77.4 116.2#

141 458.0 62.9 94.3#

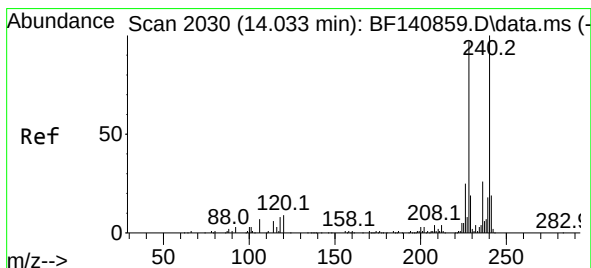
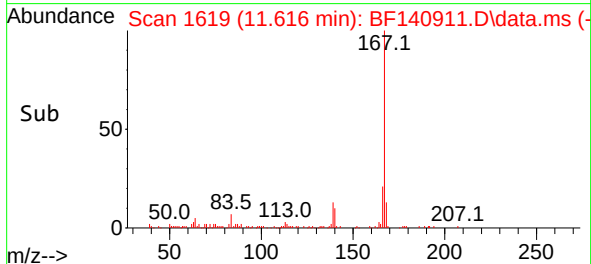
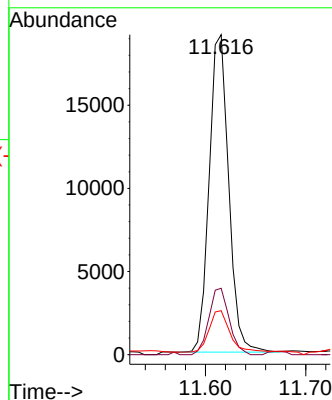
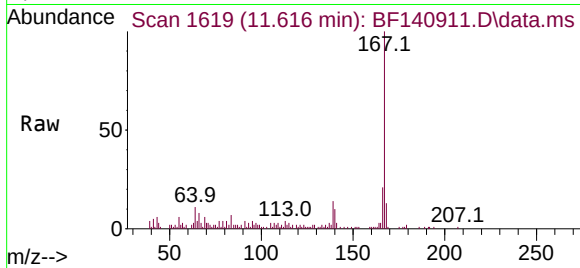




#73
 Carbazole
 Concen: 2.046 ng
 RT: 11.616 min Scan# 1
 Delta R.T. 0.006 min
 Lab File: BF140911.D
 Acq: 18 Dec 2024 17:38

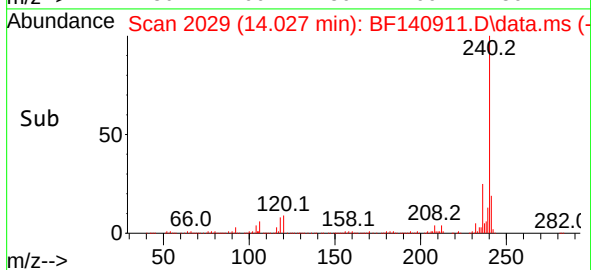
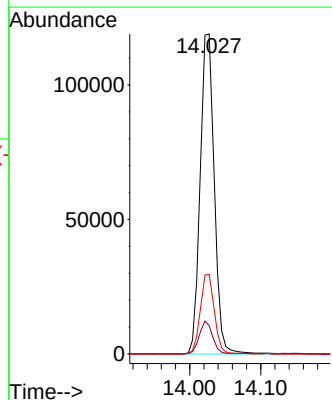
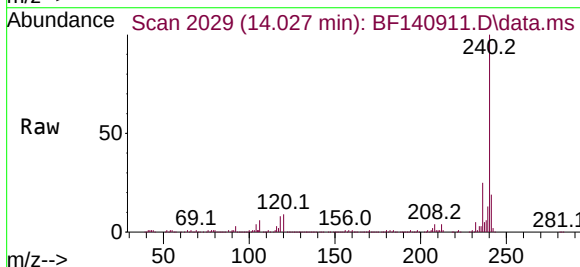
Instrument :
 BNA_F
 ClientSampleId :
 MW3-20241213

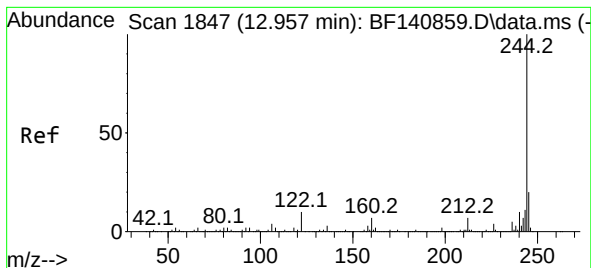
Tgt Ion:167	Resp:	25833
Ion Ratio	Lower	Upper
167	100	
166	20.8	17.0 25.6
139	13.7	10.2 15.2



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.027 min Scan# 2029
 Delta R.T. -0.006 min
 Lab File: BF140911.D
 Acq: 18 Dec 2024 17:38

Tgt Ion:240	Resp:	165146
Ion Ratio	Lower	Upper
240	100	
120	8.9	7.6 11.4
236	24.9	20.5 30.7





#79

Terphenyl-d14

Concen: 97.017 ng

RT: 12.957 min Scan# 1847

Delta R.T. -0.000 min

Lab File: BF140911.D

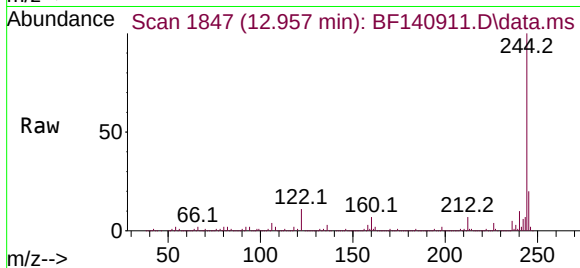
Acq: 18 Dec 2024 17:38

Instrument :

BNA_F

ClientSampleId :

MW3-20241213



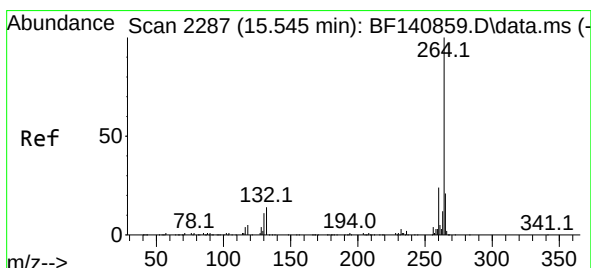
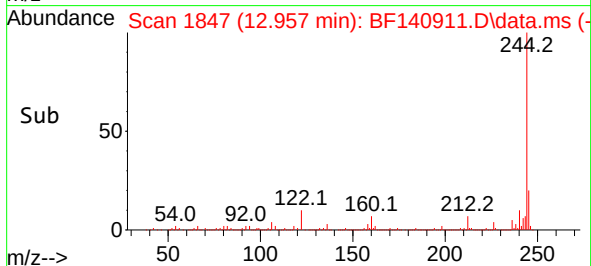
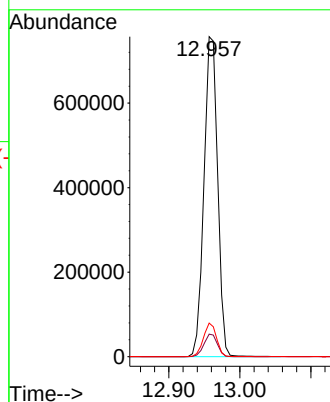
Tgt Ion:244 Resp: 1016059

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

122 10.5 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.515 min Scan# 2282

Delta R.T. -0.029 min

Lab File: BF140911.D

Acq: 18 Dec 2024 17:38

Tgt Ion:264 Resp: 165993

Ion Ratio Lower Upper

264 100

260 24.1 19.1 28.7

265 21.7 17.0 25.4

