

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122322\
 Data File : BF131813.D
 Acq On : 23 Dec 2022 18:51
 Operator : CG\JU
 Sample : N6102-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

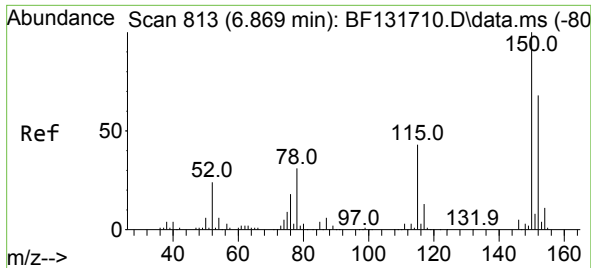
Instrument :
 BNA_F
 ClientSampleId :
 MW-3

Quant Time: Dec 24 03:09:31 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 24 00:05:44 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	69070	20.000	ng	0.00
21) Naphthalene-d8	8.133	136	251793	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	140056	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	277295	20.000	ng	-0.01
76) Chrysene-d12	14.057	240	165556	20.000	ng	#-0.01
86) Perylene-d12	15.551	264	94904	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	279636	68.174	ng	0.00
7) Phenol-d6	6.475	99	262142	47.481	ng	-0.01
23) Nitrobenzene-d5	7.416	82	378236	60.982	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	146547	95.597	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	636113	63.623	ng	0.00
79) Terphenyl-d14	12.998	244	719548	67.737	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.398	77	440	Below Cal		91
19) n-Nitroso-di-n-propyla...	7.416	70	52479	13.180 ng	#	79
25) Isophorone	7.416	82	377248	35.815 ng	#	70
50) Dimethylphthalate	9.904	163	29203	2.771 ng	#	1
51) 2,6-Dinitrotoluene	9.904	165	17861	7.882 ng	#	19
57) 2,4-Dinitrotoluene	9.904	165	17861	5.866 ng	#	18
63) Azobenzene	10.621	77	36478	3.271 ng	#	1
67) 4-Bromophenyl-phenylether	10.698	248	10567	3.227 ng	#	1
77) Benzidine	12.998	184	10832	3.568 ng	#	88

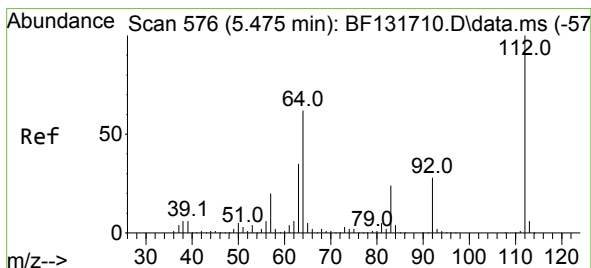
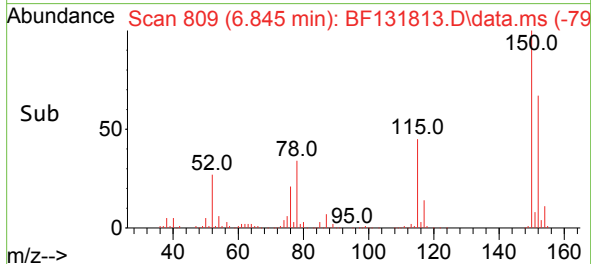
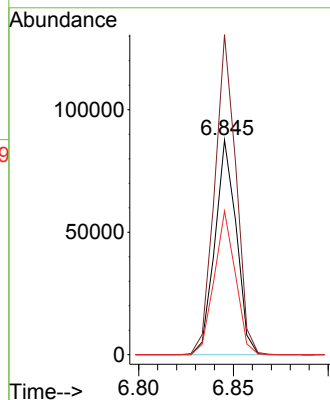
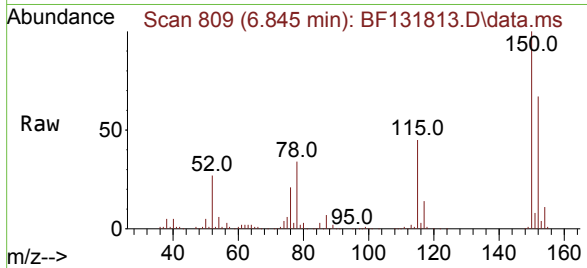
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF131813.D
Acq: 23 Dec 2022 18:51

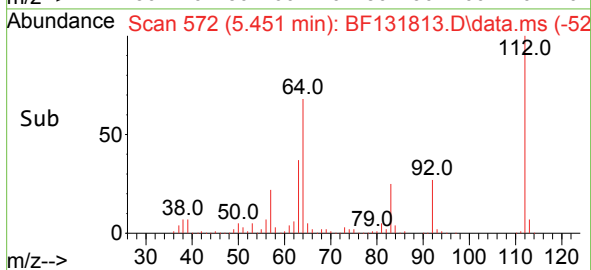
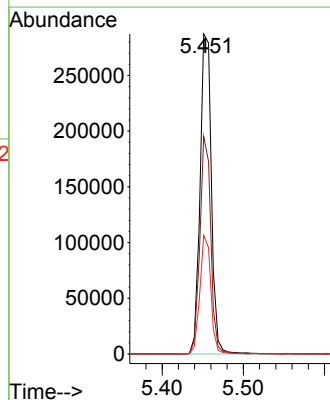
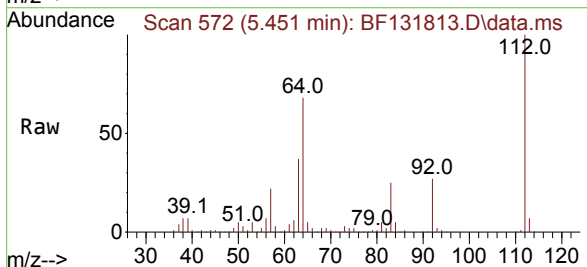
Instrument :
BNA_F
ClientSampleId :
MW-3

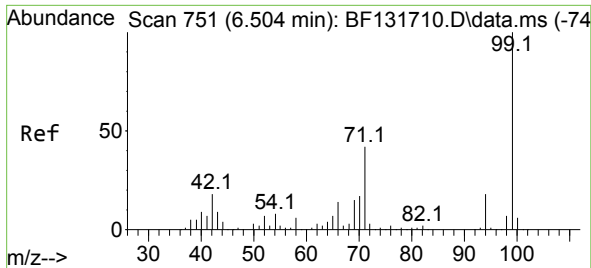
Tgt Ion:152 Resp: 69070
Ion Ratio Lower Upper
152 100
150 149.0 117.4 176.0
115 66.9 50.2 75.4



#5
2-Fluorophenol
Concen: 68.174 ng
RT: 5.451 min Scan# 572
Delta R.T. -0.006 min
Lab File: BF131813.D
Acq: 23 Dec 2022 18:51

Tgt Ion:112 Resp: 279636
Ion Ratio Lower Upper
112 100
64 67.9 49.5 74.3
63 37.1 28.2 42.2

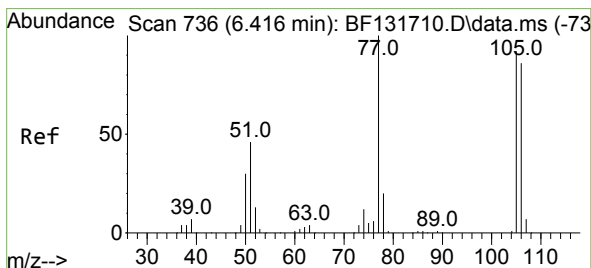
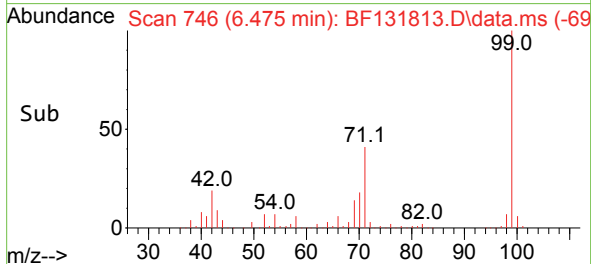
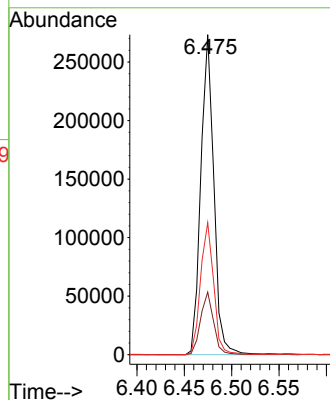
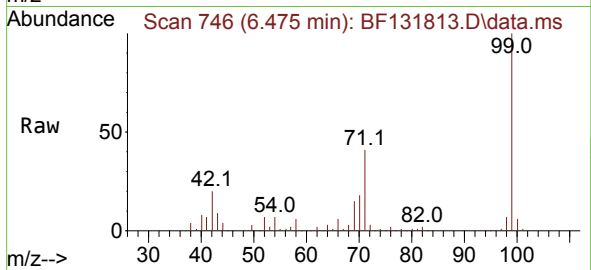




#7
Phenol-d6
Concen: 47.481 ng
RT: 6.475 min Scan# 746
Delta R.T. -0.012 min
Lab File: BF131813.D
Acq: 23 Dec 2022 18:51

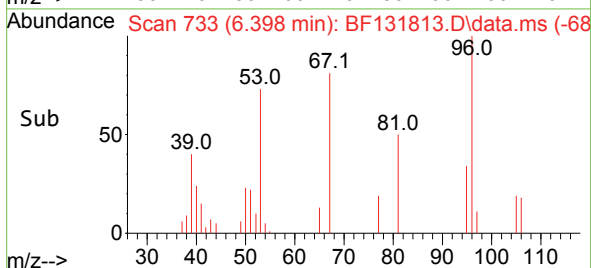
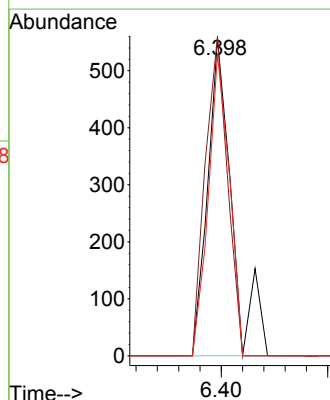
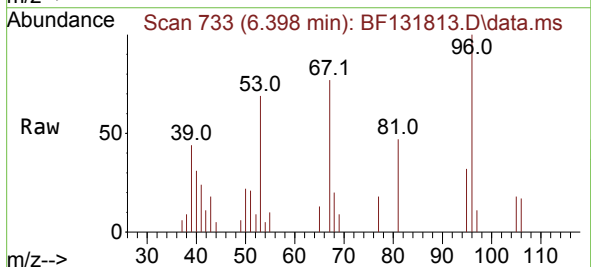
Instrument :
BNA_F
ClientSampleId :
MW-3

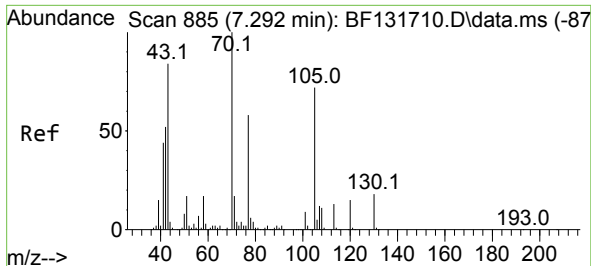
Tgt Ion: 99 Resp: 262142
Ion Ratio Lower Upper
99 100
42 19.6 14.8 22.2
71 41.3 33.8 50.6



#9
Benzaldehyde
Concen: Below Cal
RT: 6.398 min Scan# 733
Delta R.T. -0.006 min
Lab File: BF131813.D
Acq: 23 Dec 2022 18:51

Tgt Ion: 77 Resp: 440
Ion Ratio Lower Upper
77 100
105 100.9 72.4 112.4
106 95.1 66.5 106.5

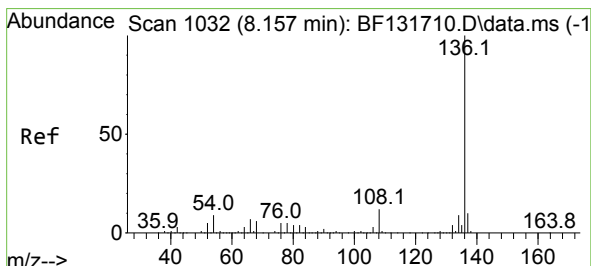
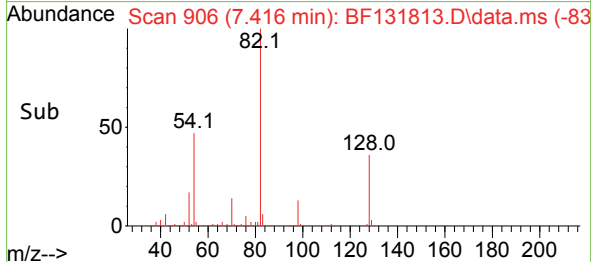
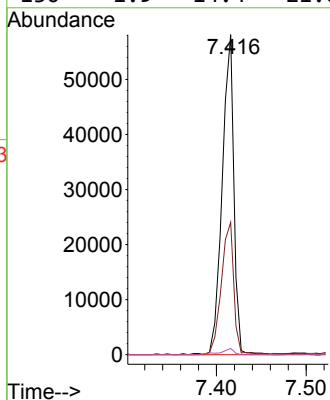
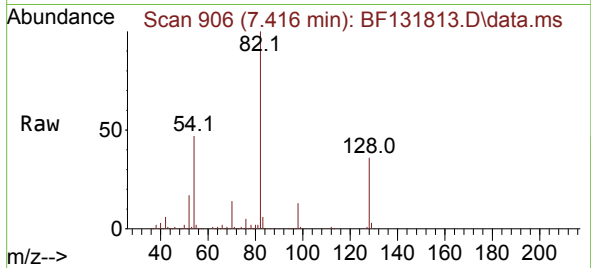




#19
n-Nitroso-di-n-propylamine
Concen: 13.180 ng
RT: 7.416 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF131813.D
Acq: 23 Dec 2022 18:51

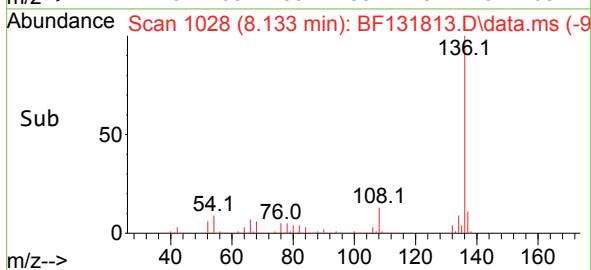
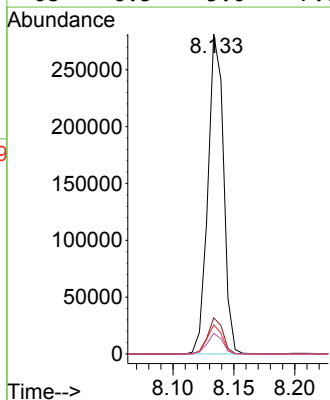
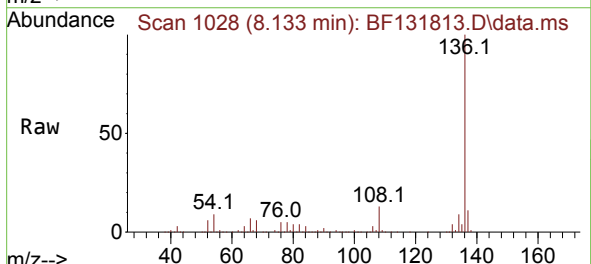
Instrument :
BNA_F
ClientSampleId :
MW-3

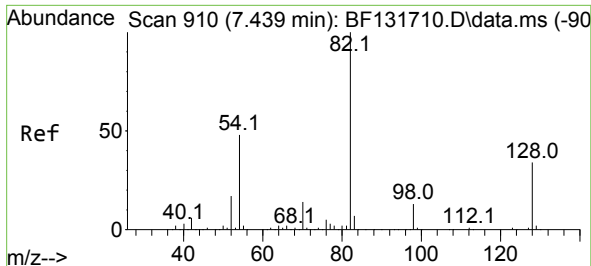
Tgt Ion: 70 Resp: 52479
Ion Ratio Lower Upper
70 100
42 41.3 41.5 62.3#
101 0.0 7.3 10.9#
130 1.9 14.4 21.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.133 min Scan# 1028
Delta R.T. -0.012 min
Lab File: BF131813.D
Acq: 23 Dec 2022 18:51

Tgt Ion: 136 Resp: 251793
Ion Ratio Lower Upper
136 100
137 11.3 8.4 12.6
54 9.1 7.2 10.8
68 6.5 5.0 7.6





#23

Nitrobenzene-d5

Concen: 60.982 ng

RT: 7.416 min Scan# 906

Delta R.T. -0.012 min

Lab File: BF131813.D

Acq: 23 Dec 2022 18:51

Instrument :

BNA_F

ClientSampleId :

MW-3

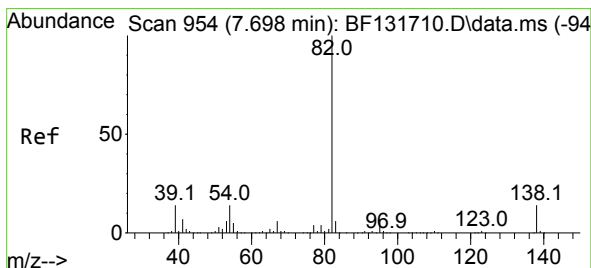
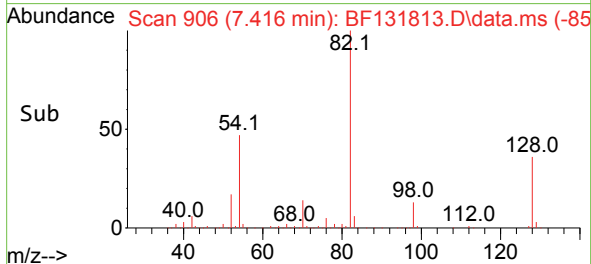
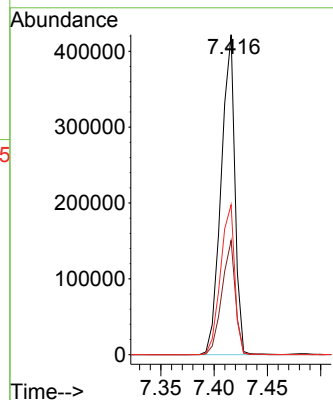
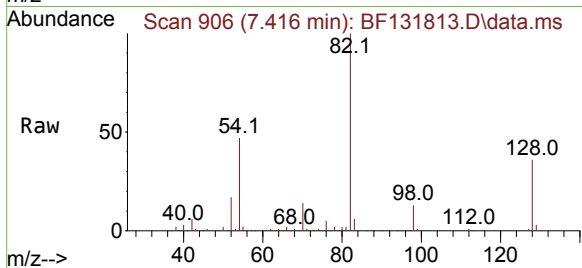
Tgt Ion: 82 Resp: 378236

Ion Ratio Lower Upper

82 100

128 35.7 27.3 40.9

54 46.9 38.2 57.2



#25

Isophorone

Concen: 35.815 ng

RT: 7.416 min Scan# 906

Delta R.T. -0.271 min

Lab File: BF131813.D

Acq: 23 Dec 2022 18:51

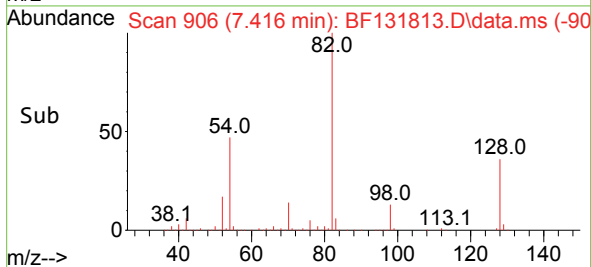
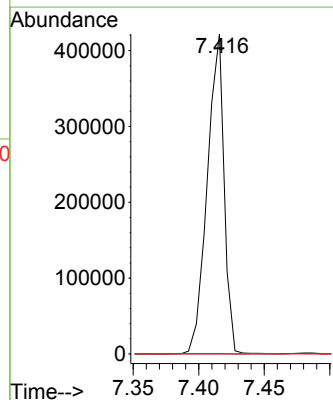
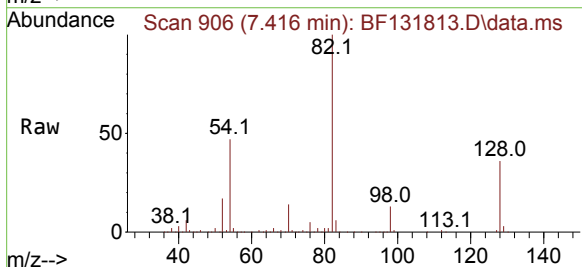
Tgt Ion: 82 Resp: 377248

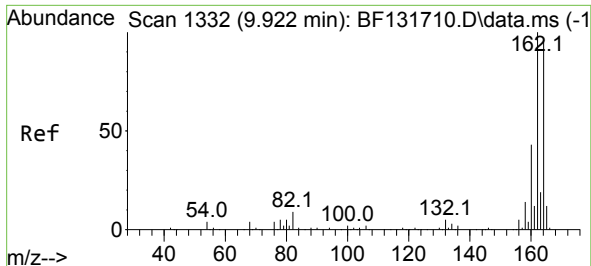
Ion Ratio Lower Upper

82 100

95 0.1 5.8 8.6#

138 0.0 11.6 17.4#

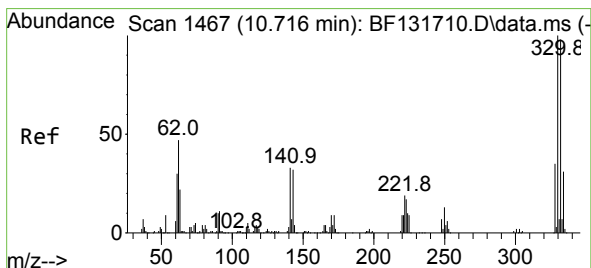
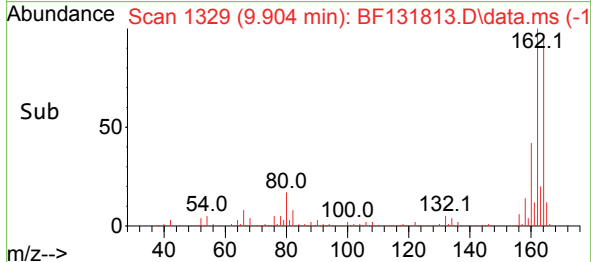
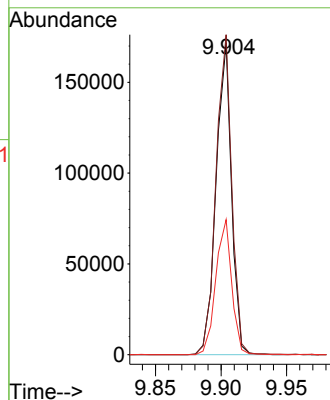
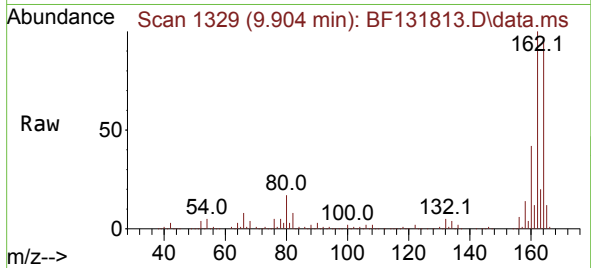




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131813.D
Acq: 23 Dec 2022 18:51

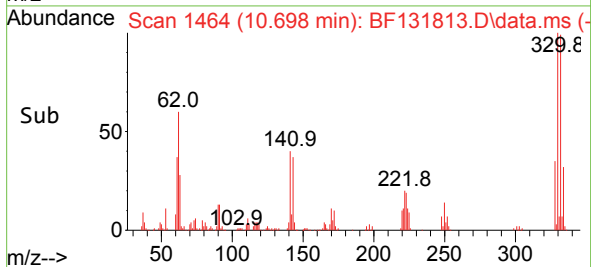
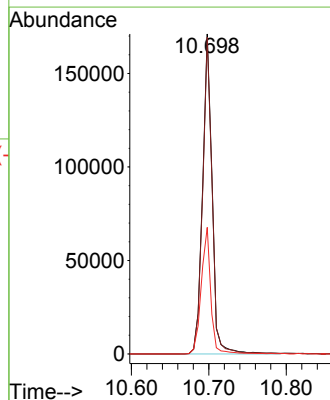
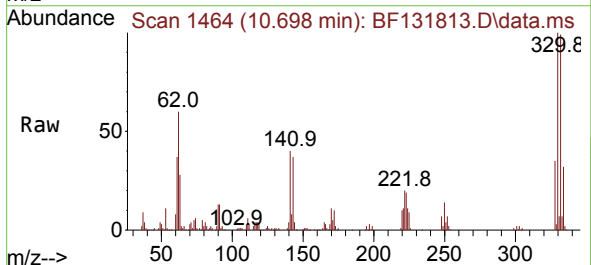
Instrument :
BNA_F
ClientSampleId :
MW-3

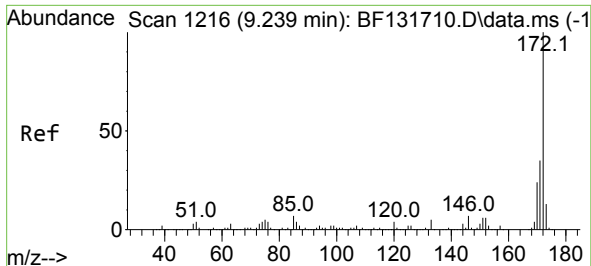
Tgt Ion:164 Resp: 140056
Ion Ratio Lower Upper
164 100
162 102.6 83.7 125.5
160 43.3 36.2 54.4



#42
2,4,6-Tribromophenol
Concen: 95.597 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.012 min
Lab File: BF131813.D
Acq: 23 Dec 2022 18:51

Tgt Ion:330 Resp: 146547
Ion Ratio Lower Upper
330 100
332 98.7 77.1 115.7
141 39.9 30.4 45.6





#45

2-Fluorobiphenyl

Concen: 63.623 ng

RT: 9.222 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF131813.D

Acq: 23 Dec 2022 18:51

Instrument :

BNA_F

ClientSampleId :

MW-3

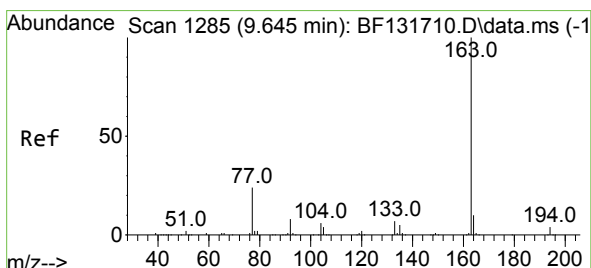
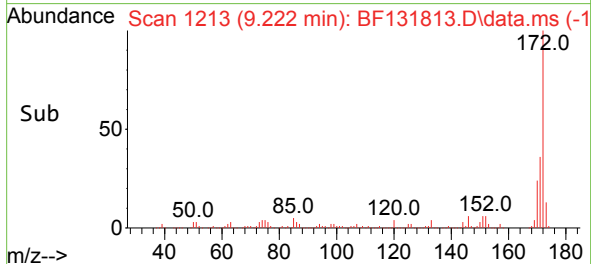
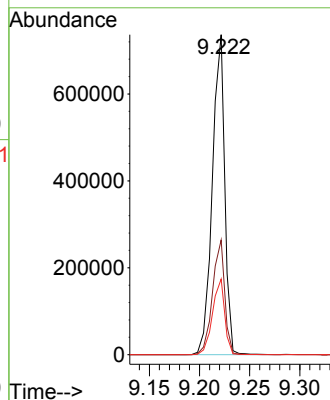
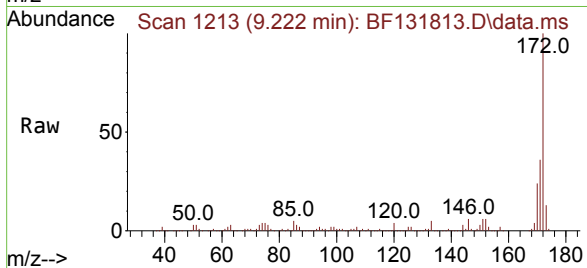
Tgt Ion:172 Resp: 636113

Ion Ratio Lower Upper

172 100

171 35.9 27.9 41.9

170 23.7 19.0 28.4



#50

Dimethylphthalate

Concen: 2.771 ng

RT: 9.904 min Scan# 1329

Delta R.T. 0.265 min

Lab File: BF131813.D

Acq: 23 Dec 2022 18:51

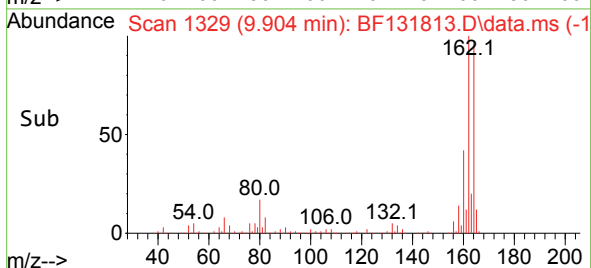
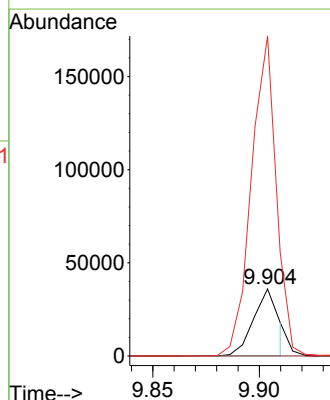
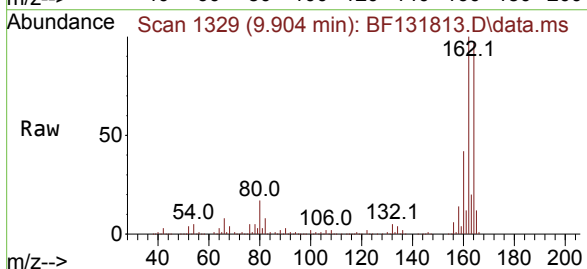
Tgt Ion:163 Resp: 29203

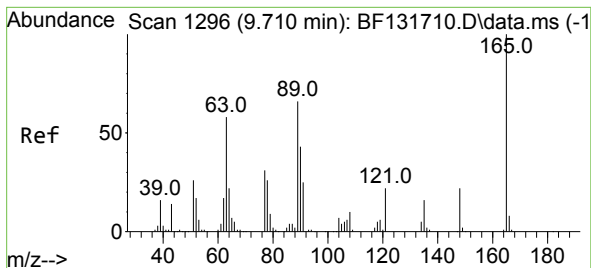
Ion Ratio Lower Upper

163 100

194 0.0 3.1 4.7#

164 476.8 8.2 12.4#

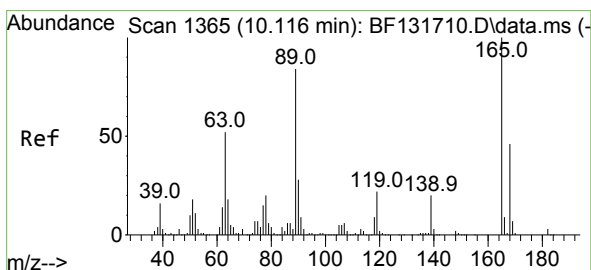
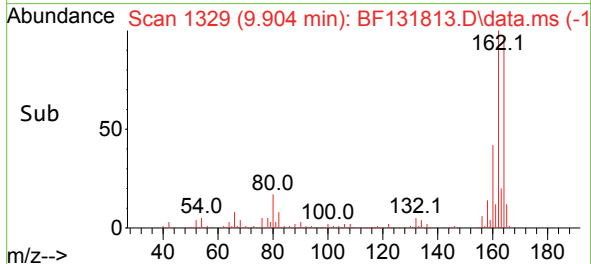
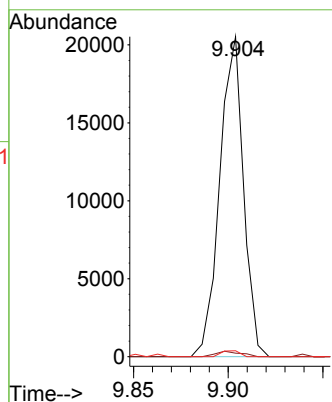
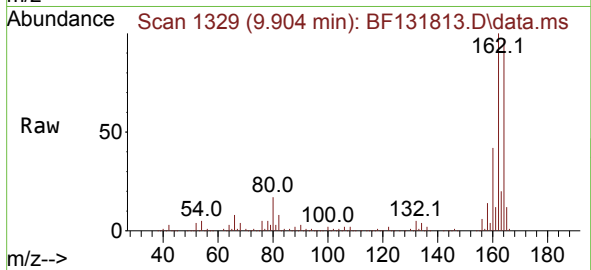




#51
2,6-Dinitrotoluene
Concen: 7.882 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF131813.D
Acq: 23 Dec 2022 18:51

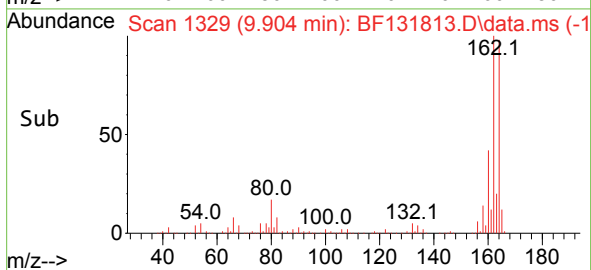
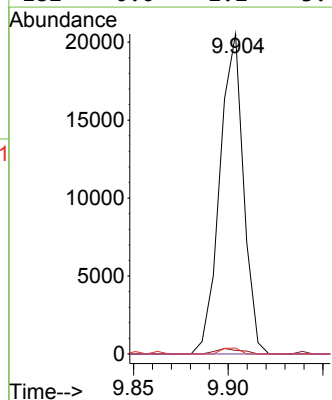
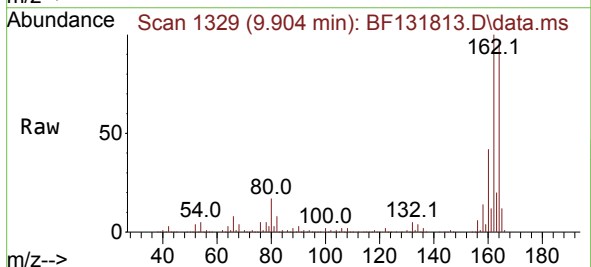
Instrument :
BNA_F
ClientSampleId :
MW-3

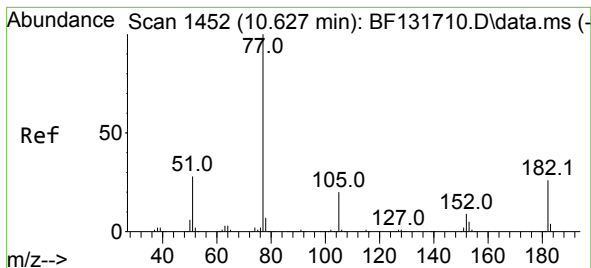
Tgt Ion:165 Resp: 17861
Ion Ratio Lower Upper
165 100
63 1.1 51.8 77.8#
89 1.8 53.2 79.8#



#57
2,4-Dinitrotoluene
Concen: 5.866 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.206 min
Lab File: BF131813.D
Acq: 23 Dec 2022 18:51

Tgt Ion:165 Resp: 17861
Ion Ratio Lower Upper
165 100
63 1.1 41.5 62.3#
89 1.8 67.0 100.4#
182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 3.271 ng

RT: 10.621 min Scan# 1452

Delta R.T. 0.006 min

Lab File: BF131813.D

Acq: 23 Dec 2022 18:51

Instrument :

BNA_F

ClientSampleId :

MW-3

Tgt Ion: 77 Resp: 36478

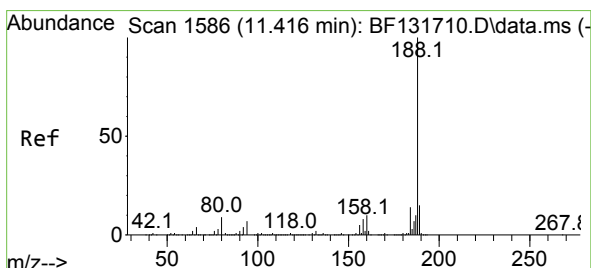
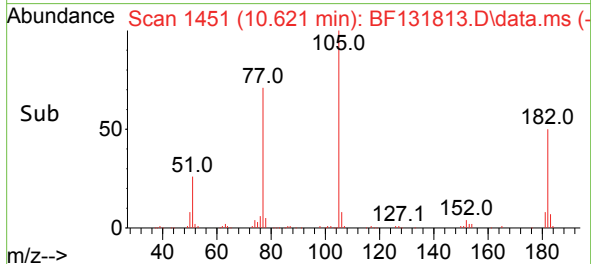
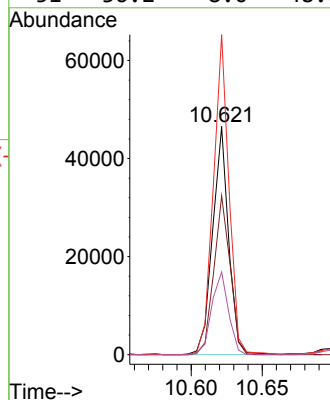
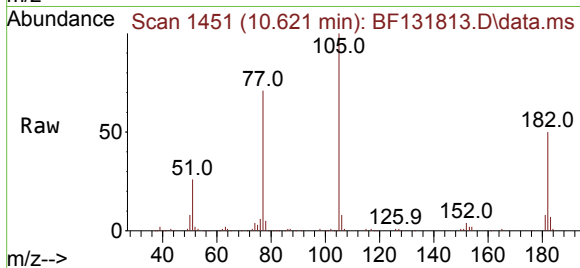
Ion Ratio Lower Upper

77 100

182 69.6 5.8 45.8#

105 140.3 0.0 39.7#

51 36.2 8.0 48.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1583

Delta R.T. -0.012 min

Lab File: BF131813.D

Acq: 23 Dec 2022 18:51

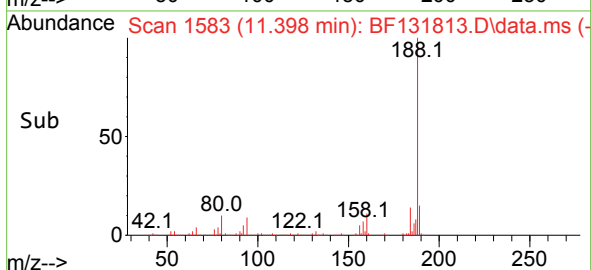
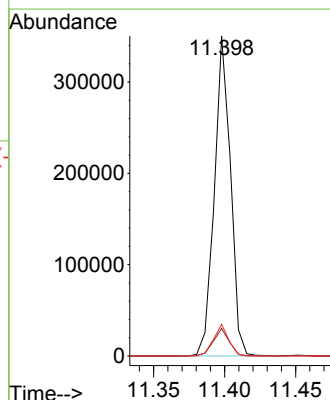
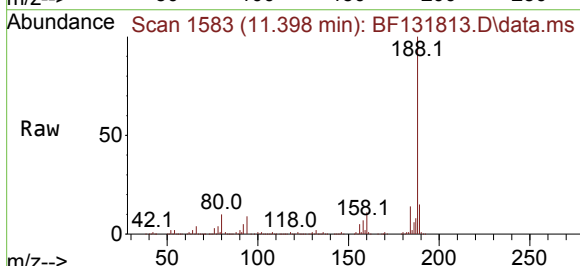
Tgt Ion: 188 Resp: 277295

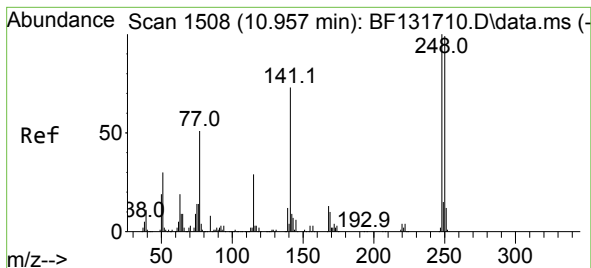
Ion Ratio Lower Upper

188 100

94 8.6 5.9 8.9

80 9.9 7.0 10.6

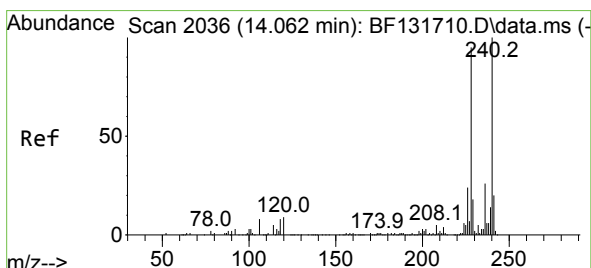
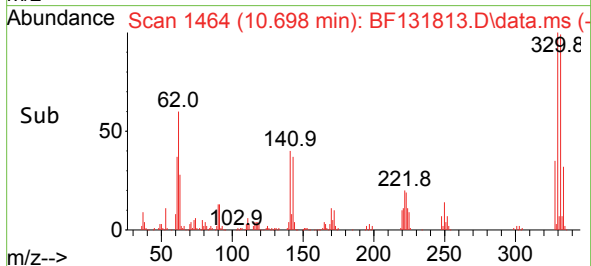
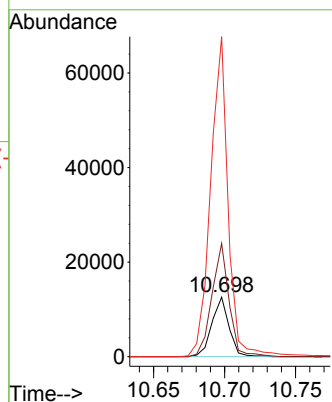
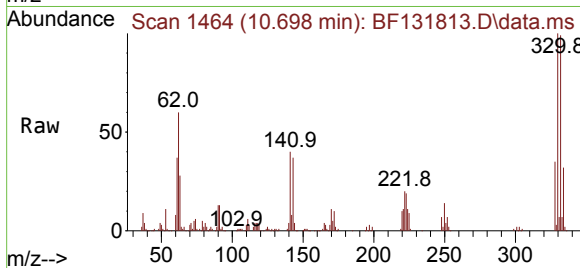




#67
4-Bromophenyl-phenylether
Concen: 3.227 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF131813.D
Acq: 23 Dec 2022 18:51

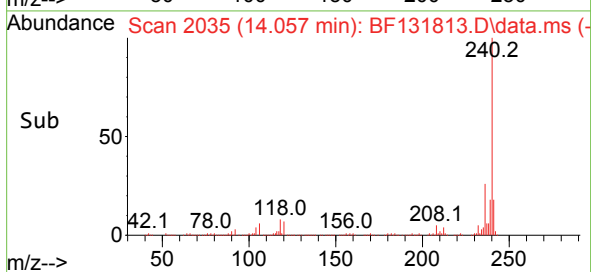
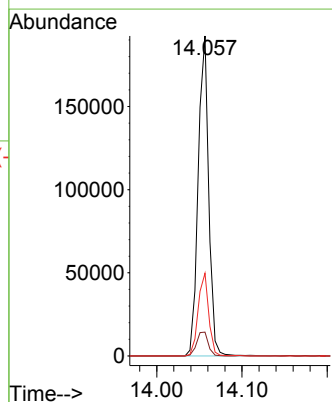
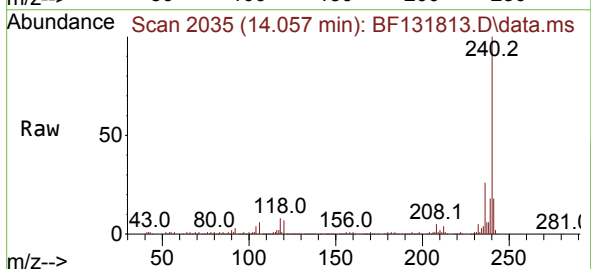
Instrument :
BNA_F
ClientSampleId :
MW-3

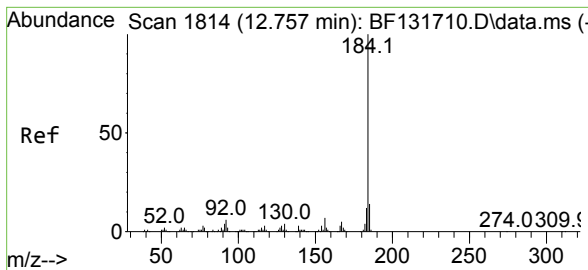
Tgt Ion:248 Resp: 10567
Ion Ratio Lower Upper
248 100
250 190.4 79.4 119.0#
141 537.4 58.1 87.1#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF131813.D
Acq: 23 Dec 2022 18:51

Tgt Ion:240 Resp: 165556
Ion Ratio Lower Upper
240 100
120 7.5 7.6 11.4#
236 25.9 21.2 31.8

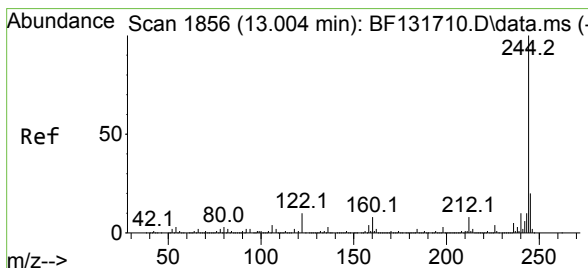
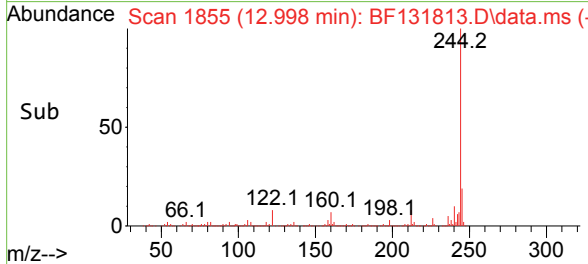
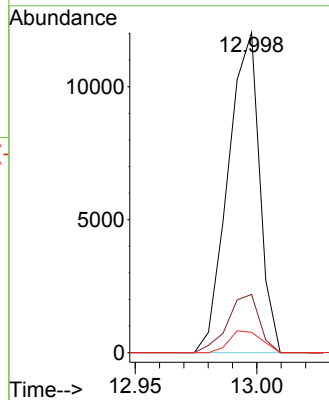
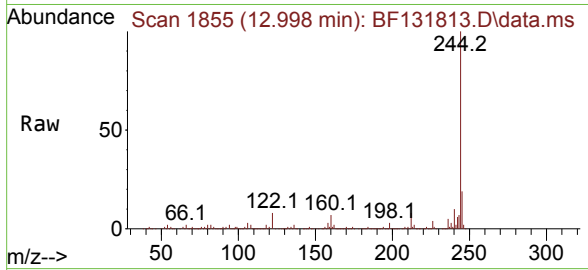




#77
Benzidine
Concen: 3.568 ng
RT: 12.998 min Scan# 1855
Delta R.T. 0.247 min
Lab File: BF131813.D
Acq: 23 Dec 2022 18:51

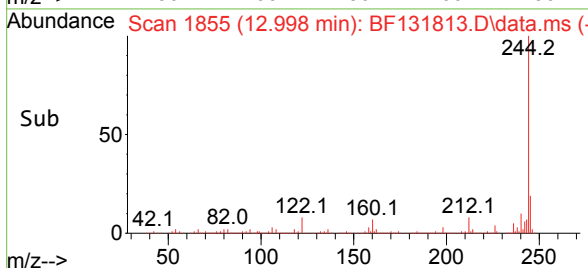
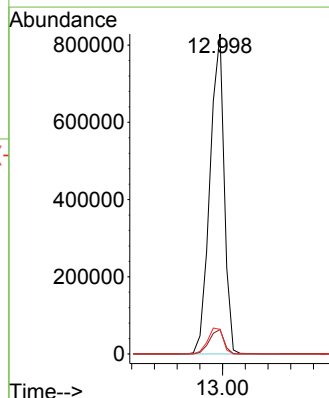
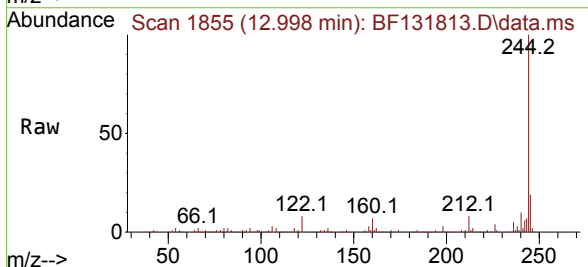
Instrument :
BNA_F
ClientSampleId :
MW-3

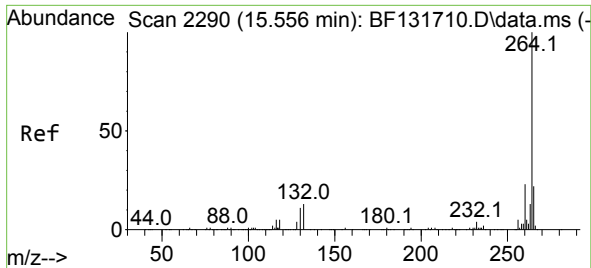
Tgt Ion:184 Resp: 10832
Ion Ratio Lower Upper
184 100
185 18.2 11.3 16.9#
183 6.3 9.3 13.9#



#79
Terphenyl-d14
Concen: 67.737 ng
RT: 12.998 min Scan# 1855
Delta R.T. -0.006 min
Lab File: BF131813.D
Acq: 23 Dec 2022 18:51

Tgt Ion:244 Resp: 719548
Ion Ratio Lower Upper
244 100
212 7.7 6.5 9.7
122 7.7 7.7 11.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.551 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF131813.D
 Acq: 23 Dec 2022 18:51

Instrument :
 BNA_F
 ClientSampleId :
 MW-3

Tgt Ion:264 Resp: 94904
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.6 28.0
 265 20.4 17.4 26.2

