

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081224\
 Data File : BF138936.D
 Acq On : 12 Aug 2024 16:16
 Operator : RC/JU
 Sample : P3394-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-105-SB02RE

Quant Time: Aug 12 16:55:34 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

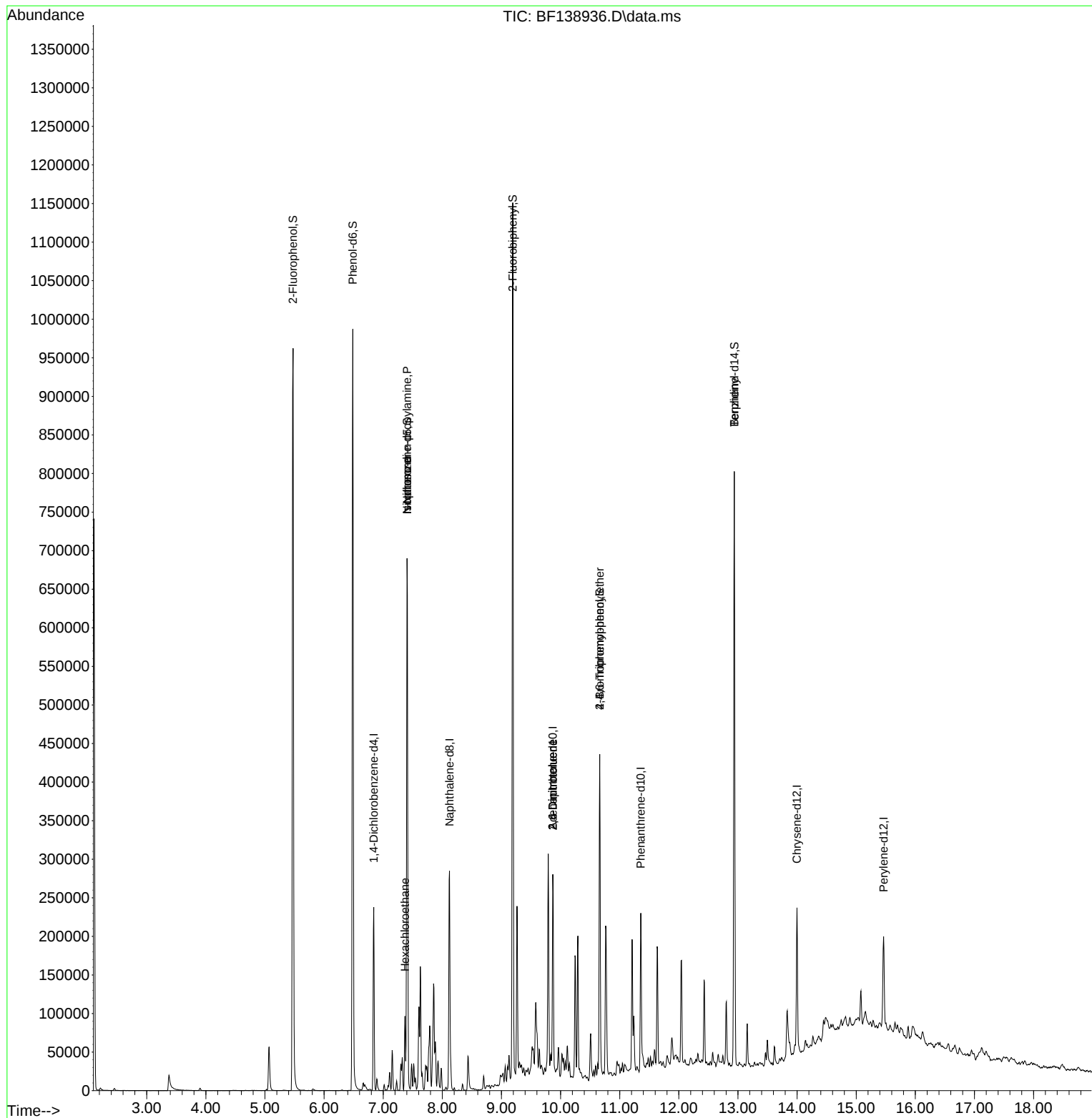
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	43372	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	165395	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	72842	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	97716	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	83335	20.000	ng	# 0.00
86) Perylene-d12	15.463	264	63063	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	327794	116.665	ng	0.00
7) Phenol-d6	6.487	99	424715	112.587	ng	0.00
23) Nitrobenzene-d5	7.404	82	286422	84.667	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	59326	99.428	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	457501	94.368	ng	-0.01
79) Terphenyl-d14	12.939	244	344295	69.172	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	7.369	117	5176	4.118	ng	# 1
19) n-Nitroso-di-n-propyla...	7.404	70	39842	17.487	ng	# 79
25) Isophorone	7.404	82	286420	49.584	ng	# 66
51) 2,6-Dinitrotoluene	9.869	165	9431	8.972	ng	# 19
57) 2,4-Dinitrotoluene	9.869	165	9431	7.032	ng	# 16
67) 4-Bromophenyl-phenylether	10.663	248	4506	4.259	ng	# 1
77) Benzidine	12.939	184	5668	2.844	ng	# 80

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

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

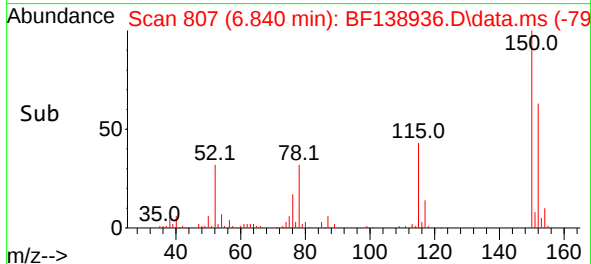
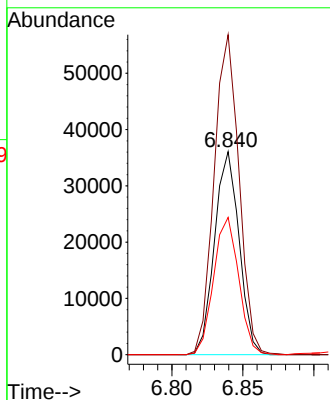
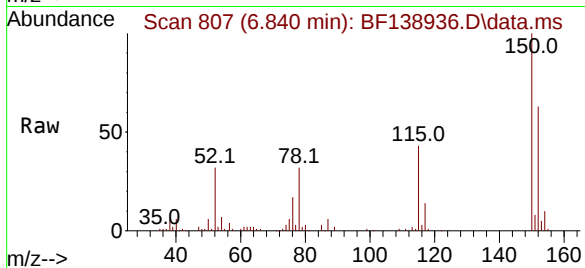




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 808
Delta R.T. -0.005 min
Lab File: BF138936.D
Acq: 12 Aug 2024 16:16

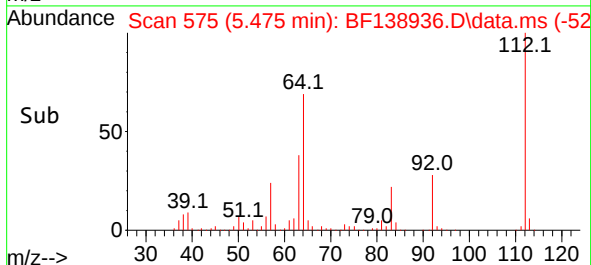
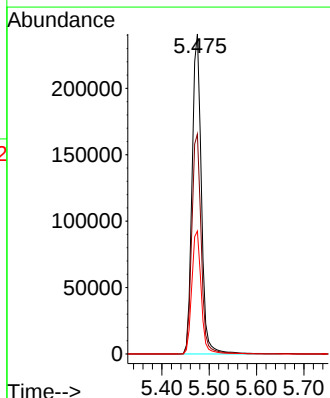
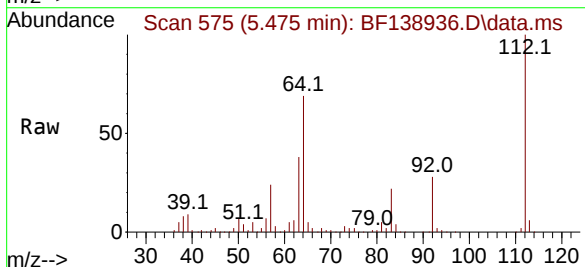
Instrument :
BNA_F
ClientSampleId :
B-105-SB02RE

Tgt Ion:152 Resp: 43372
Ion Ratio Lower Upper
152 100
150 157.6 126.0 189.0
115 67.6 51.7 77.5



#5
2-Fluorophenol
Concen: 116.665 ng
RT: 5.475 min Scan# 575
Delta R.T. 0.006 min
Lab File: BF138936.D
Acq: 12 Aug 2024 16:16

Tgt Ion:112 Resp: 327794
Ion Ratio Lower Upper
112 100
64 68.7 54.2 81.4
63 38.4 28.7 43.1





#7

Phenol-d6

Concen: 112.587 ng

RT: 6.487 min Scan# 74

Delta R.T. 0.000 min

Lab File: BF138936.D

Acq: 12 Aug 2024 16:16

Instrument :

BNA_F

ClientSampleId :

B-105-SB02RE

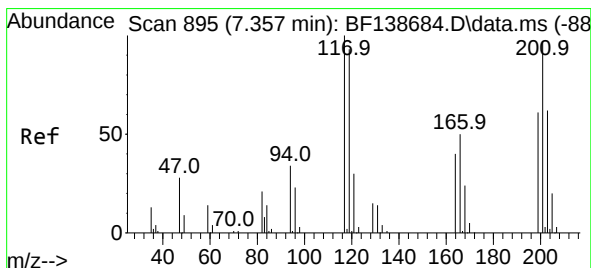
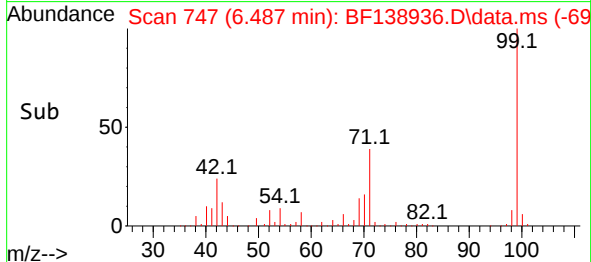
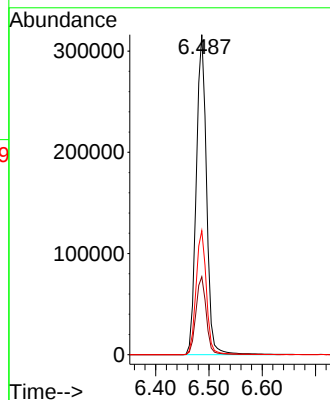
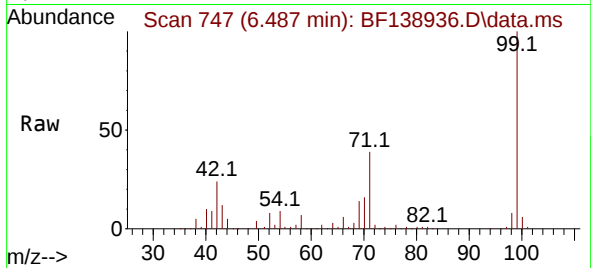
Tgt Ion: 99 Resp: 424715

Ion Ratio Lower Upper

99 100

42 24.4 17.4 26.0

71 38.7 28.1 42.1



#18

Hexachloroethane

Concen: 4.118 ng

RT: 7.369 min Scan# 897

Delta R.T. 0.012 min

Lab File: BF138936.D

Acq: 12 Aug 2024 16:16

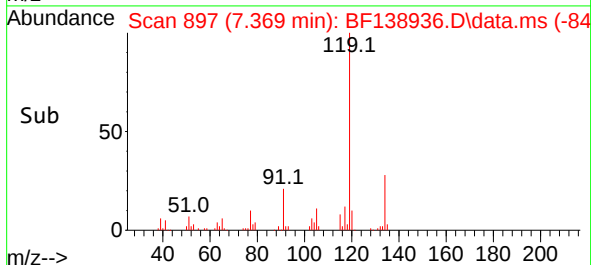
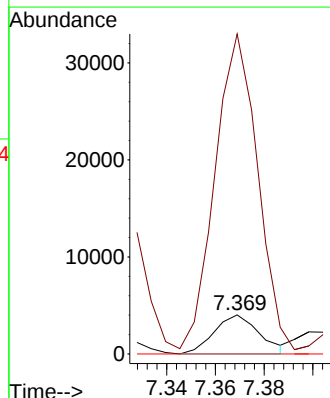
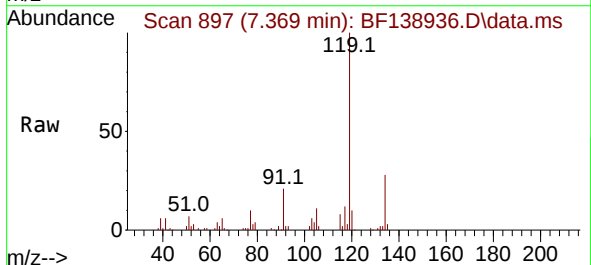
Tgt Ion: 117 Resp: 5176

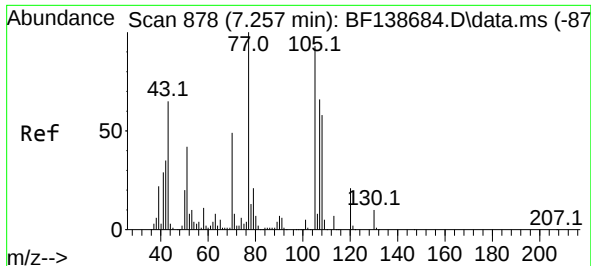
Ion Ratio Lower Upper

117 100

119 820.9 74.6 111.8#

201 0.0 77.2 115.8#





#19

n-Nitroso-di-n-propylamine

Concen: 17.487 ng

RT: 7.404 min Scan# 90

Delta R.T. 0.147 min

Lab File: BF138936.D

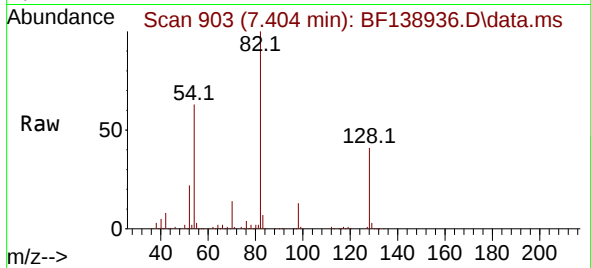
Acq: 12 Aug 2024 16:16

Instrument :

BNA_F

ClientSampleId :

B-105-SB02RE



Tgt Ion: 70 Resp: 39842

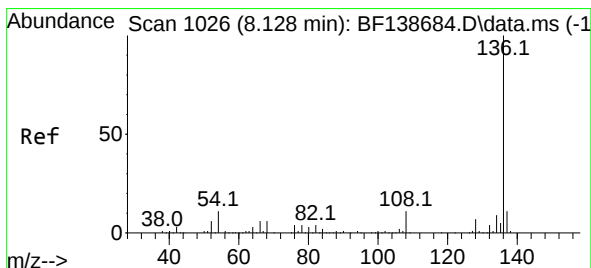
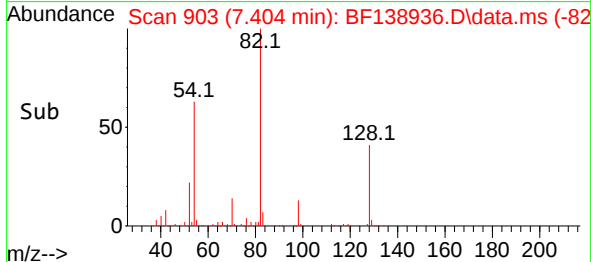
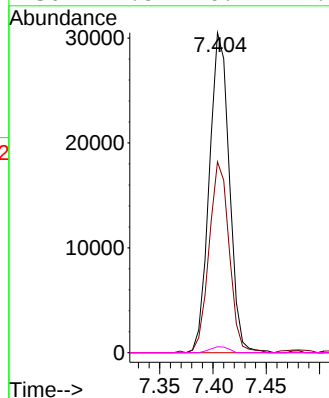
Ion Ratio Lower Upper

70 100

42 59.6 57.4 86.0

101 0.0 7.5 11.3#

130 1.8 16.4 24.6#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.122 min Scan# 1025

Delta R.T. -0.006 min

Lab File: BF138936.D

Acq: 12 Aug 2024 16:16

Tgt Ion: 136 Resp: 165395

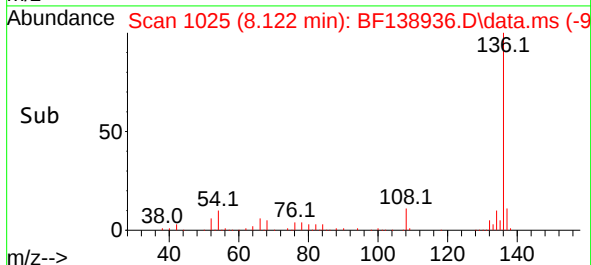
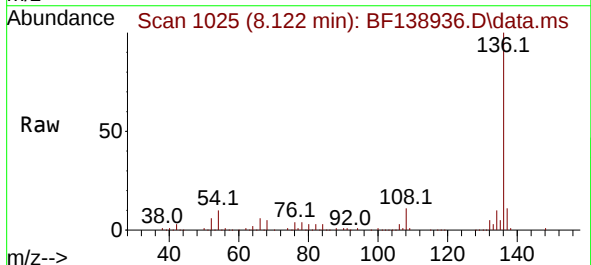
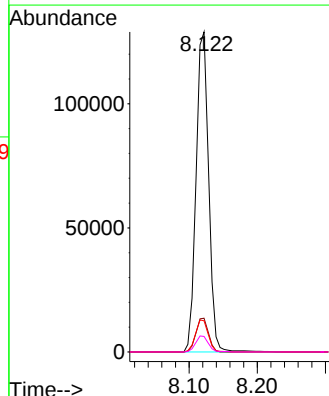
Ion Ratio Lower Upper

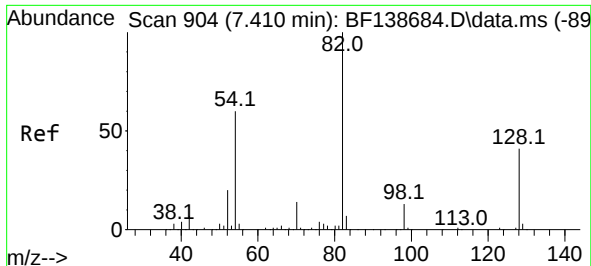
136 100

137 10.6 8.9 13.3

54 9.8 8.6 12.8

68 4.9 4.8 7.2





#23

Nitrobenzene-d5

Concen: 84.667 ng

RT: 7.404 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF138936.D

Acq: 12 Aug 2024 16:16

Instrument :

BNA_F

ClientSampleId :

B-105-SB02RE

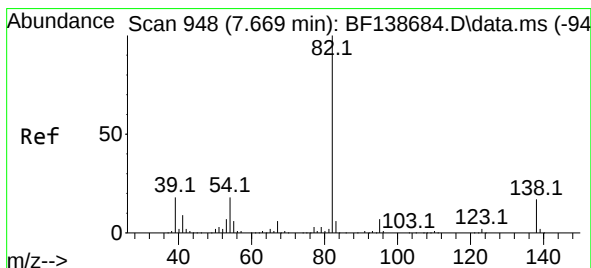
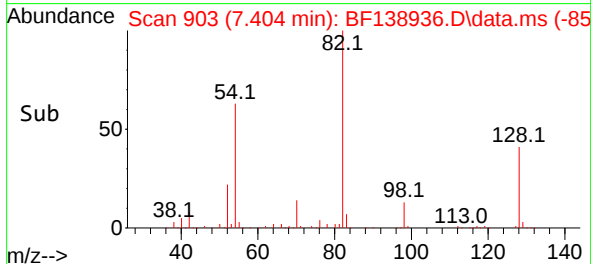
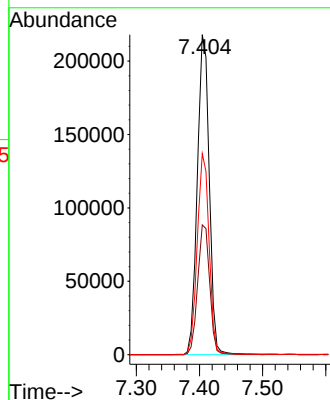
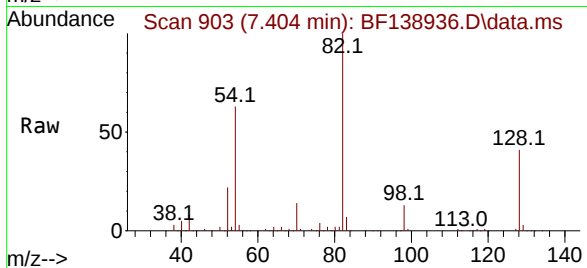
Tgt Ion: 82 Resp: 286422

Ion Ratio Lower Upper

82 100

128 40.6 32.8 49.2

54 62.9 48.3 72.5



#25

Isophorone

Concen: 49.584 ng

RT: 7.404 min Scan# 903

Delta R.T. -0.265 min

Lab File: BF138936.D

Acq: 12 Aug 2024 16:16

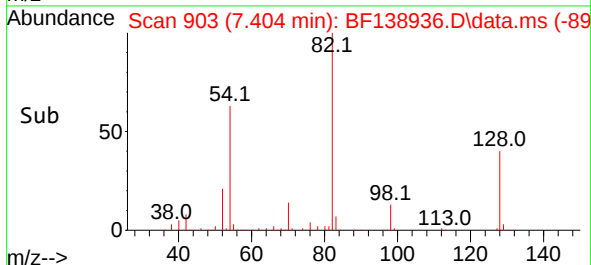
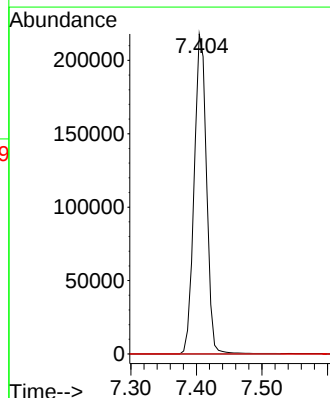
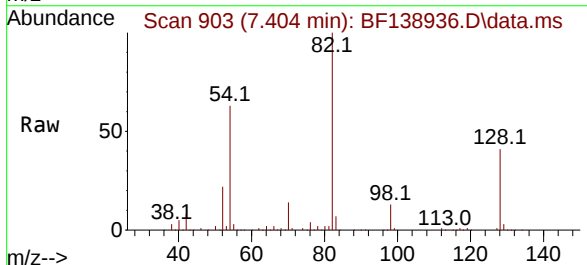
Tgt Ion: 82 Resp: 286420

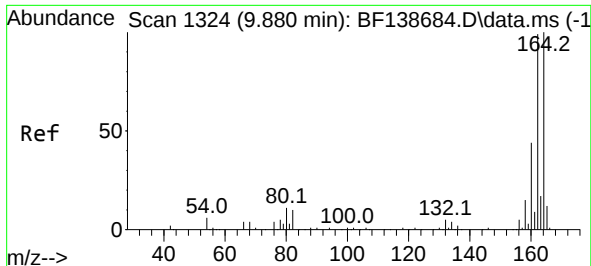
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 13.7 20.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.869 min Scan# 1

Delta R.T. -0.011 min

Lab File: BF138936.D

Acq: 12 Aug 2024 16:16

Instrument :

BNA_F

ClientSampleId :

B-105-SB02RE

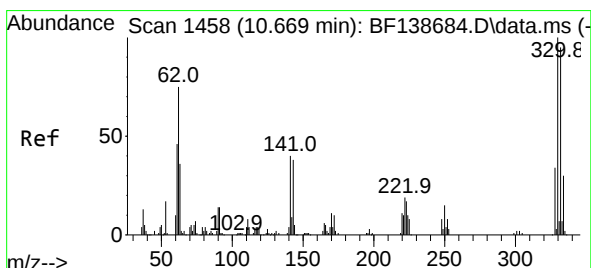
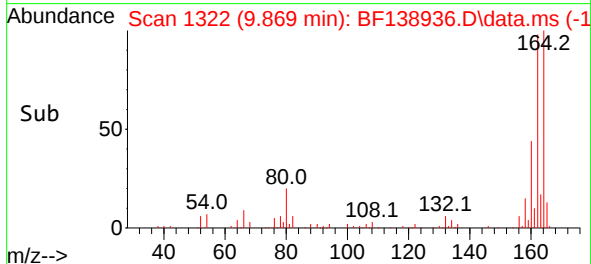
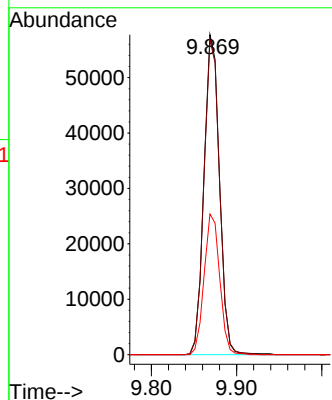
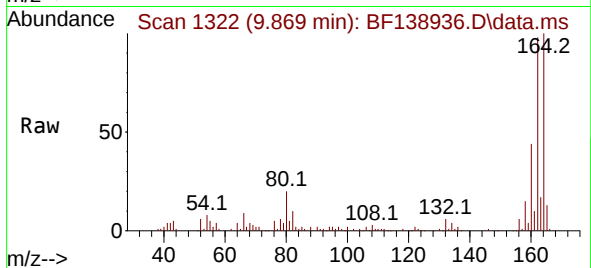
Tgt Ion:164 Resp: 72842

Ion Ratio Lower Upper

164 100

162 98.4 79.4 119.0

160 44.0 35.1 52.7



#42

2,4,6-Tribromophenol

Concen: 99.428 ng

RT: 10.663 min Scan# 1457

Delta R.T. -0.006 min

Lab File: BF138936.D

Acq: 12 Aug 2024 16:16

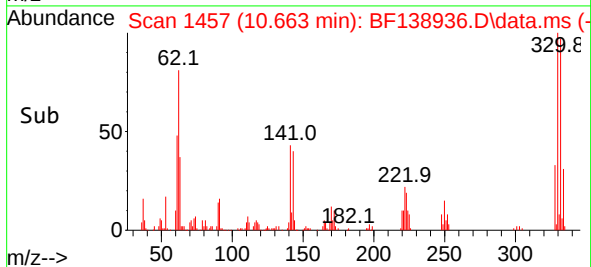
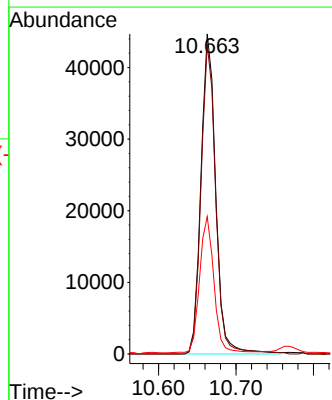
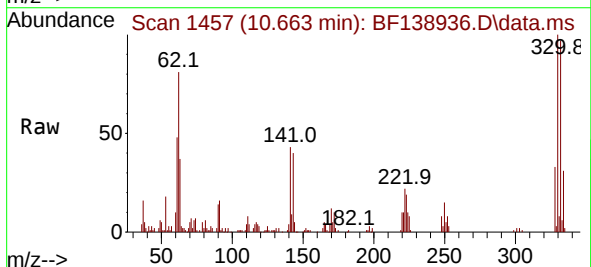
Tgt Ion:330 Resp: 59326

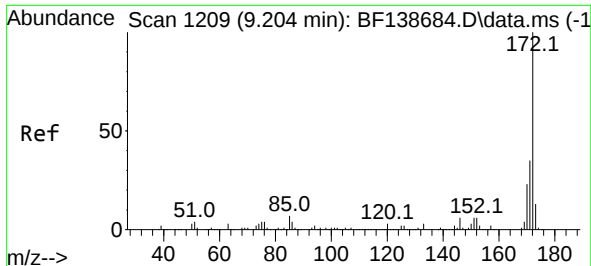
Ion Ratio Lower Upper

330 100

332 95.7 76.4 114.6

141 41.0 31.1 46.7





#45

2-Fluorobiphenyl

Concen: 94.368 ng

RT: 9.192 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF138936.D

Acq: 12 Aug 2024 16:16

Instrument :

BNA_F

ClientSampleId :

B-105-SB02RE

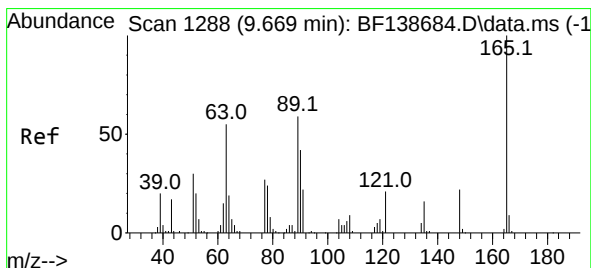
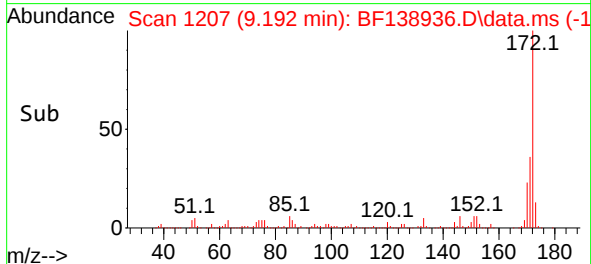
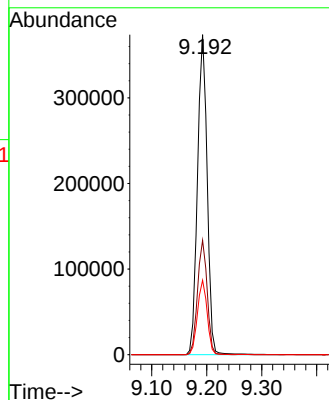
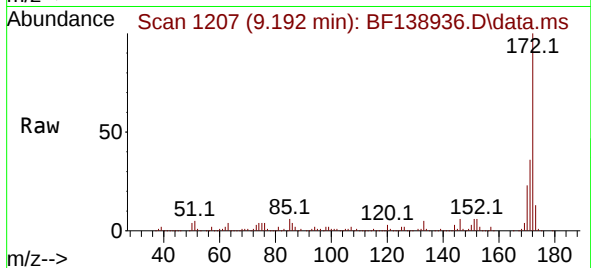
Tgt Ion:172 Resp: 457501

Ion Ratio Lower Upper

172 100

171 35.8 28.3 42.5

170 23.2 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 8.972 ng

RT: 9.869 min Scan# 1322

Delta R.T. 0.200 min

Lab File: BF138936.D

Acq: 12 Aug 2024 16:16

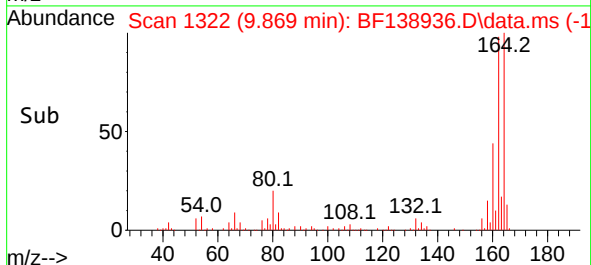
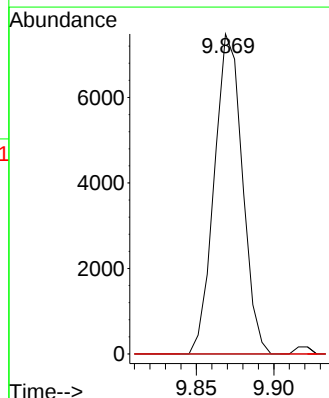
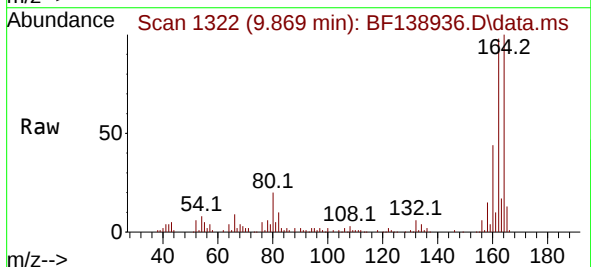
Tgt Ion:165 Resp: 9431

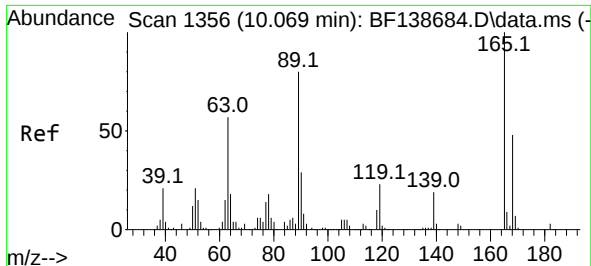
Ion Ratio Lower Upper

165 100

63 0.0 52.0 78.0#

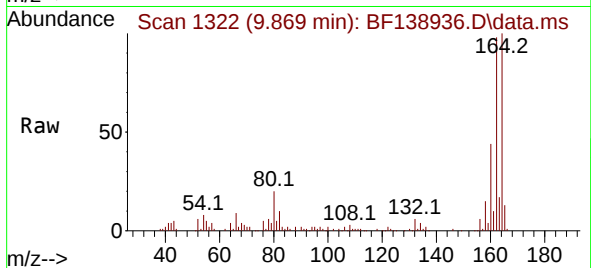
89 0.0 47.0 70.6#



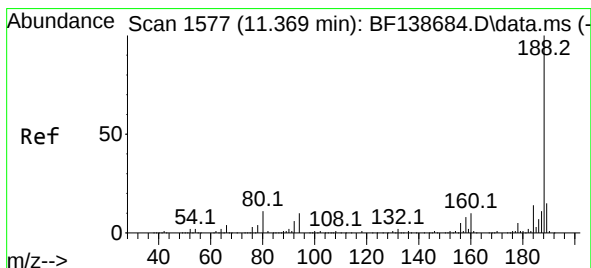
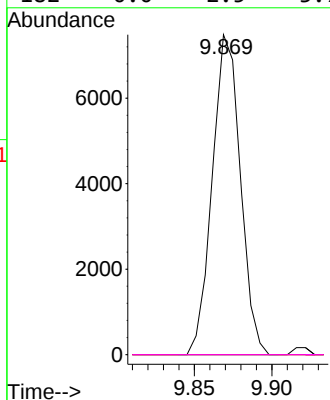
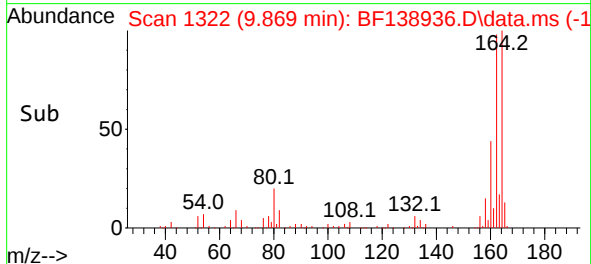


#57
2,4-Dinitrotoluene
Concen: 7.032 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF138936.D
Acq: 12 Aug 2024 16:16

Instrument :
BNA_F
ClientSampleId :
B-105-SB02RE

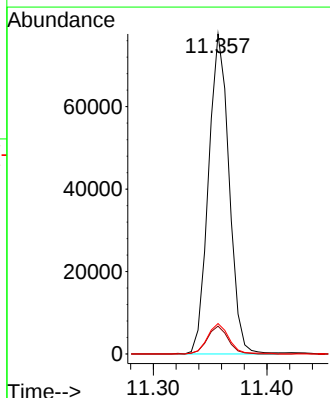
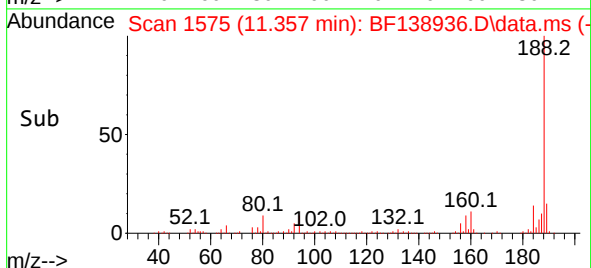
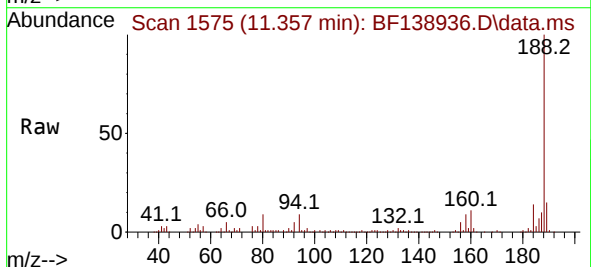


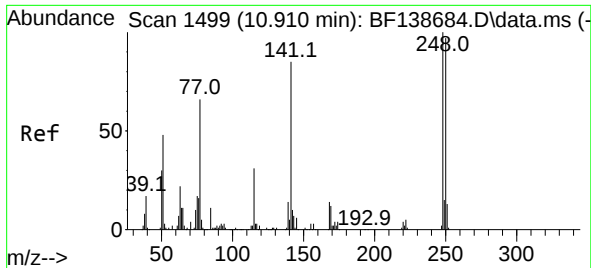
Tgt Ion:165	Resp:	9431
Ion	Ratio	Lower Upper
165	100	
63	0.0	46.3 69.5#
89	0.0	64.2 96.4#
182	0.0	2.5 3.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF138936.D
Acq: 12 Aug 2024 16:16

Tgt Ion:188	Resp:	97716
Ion	Ratio	Lower Upper
188	100	
94	8.7	7.6 11.4
80	9.5	8.6 12.8

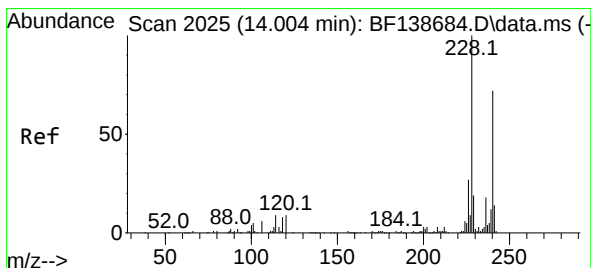
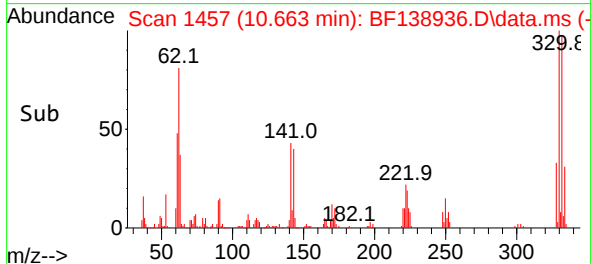
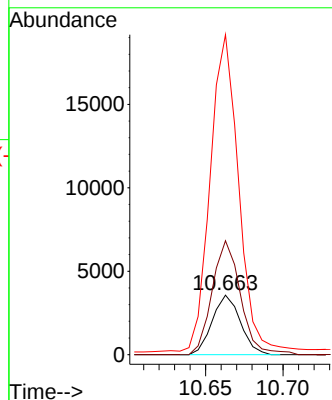
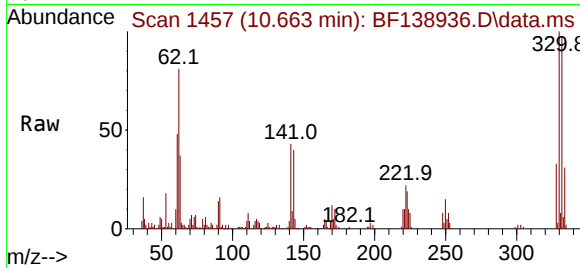




#67
4-Bromophenyl-phenylether
Concen: 4.259 ng
RT: 10.663 min Scan# 1499
Delta R.T. -0.247 min
Lab File: BF138936.D
Acq: 12 Aug 2024 16:16

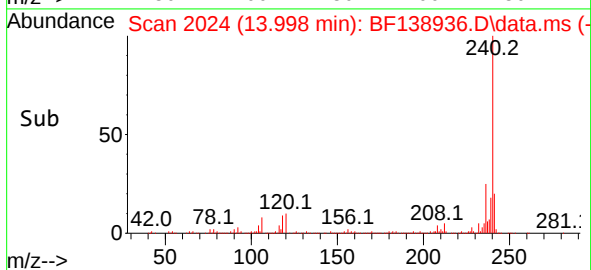
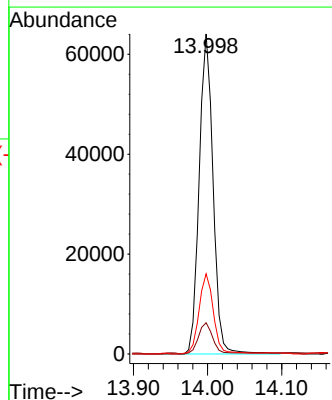
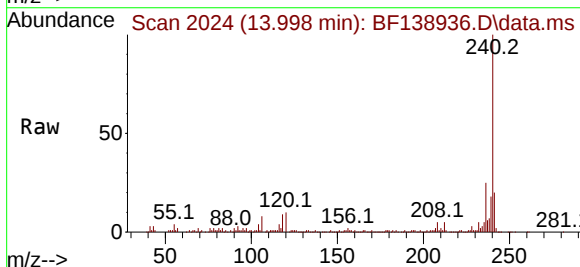
Instrument :
BNA_F
ClientSampleId :
B-105-SB02RE

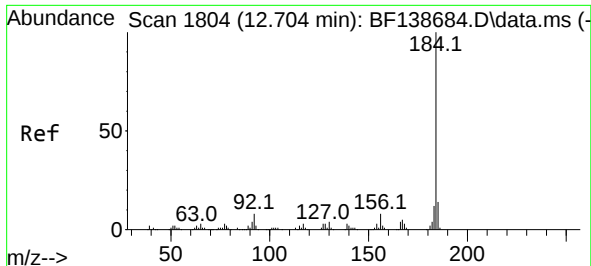
Tgt Ion:248 Resp: 4506
Ion Ratio Lower Upper
248 100
250 191.4 77.7 116.5#
141 537.9 68.0 102.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF138936.D
Acq: 12 Aug 2024 16:16

Tgt Ion:240 Resp: 83335
Ion Ratio Lower Upper
240 100
120 9.7 10.2 15.4#
236 25.1 19.8 29.8

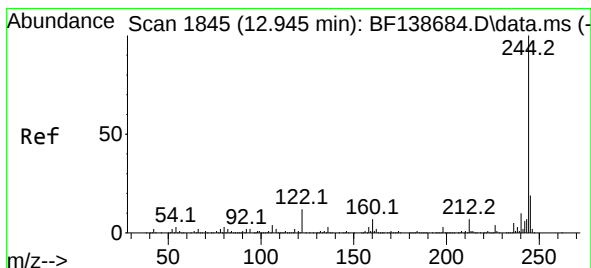
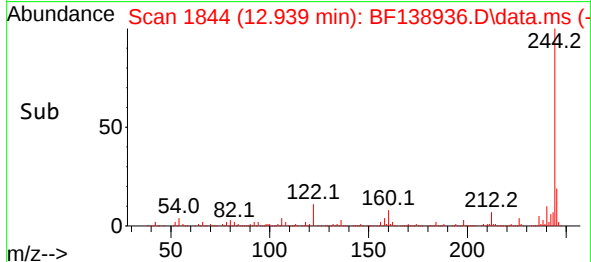
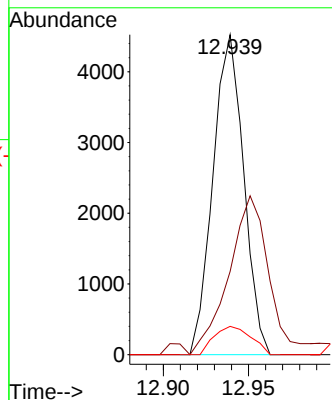
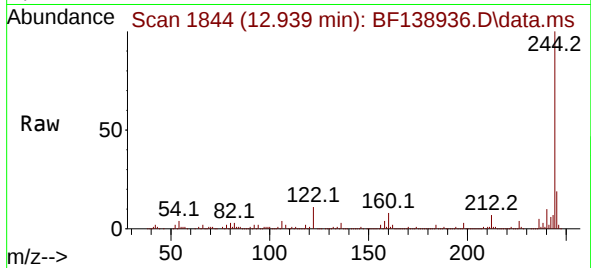




#77
Benzidine
Concen: 2.844 ng
RT: 12.939 min Scan# 1844
Delta R.T. 0.235 min
Lab File: BF138936.D
Acq: 12 Aug 2024 16:16

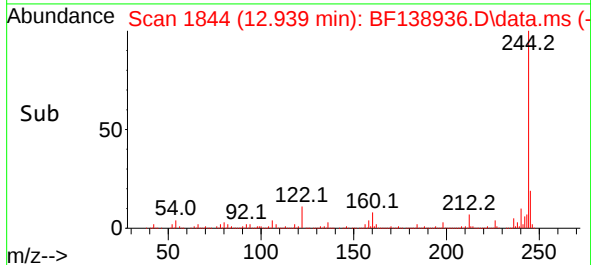
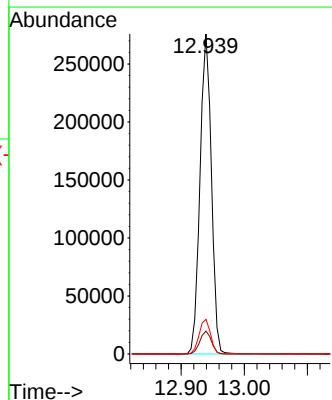
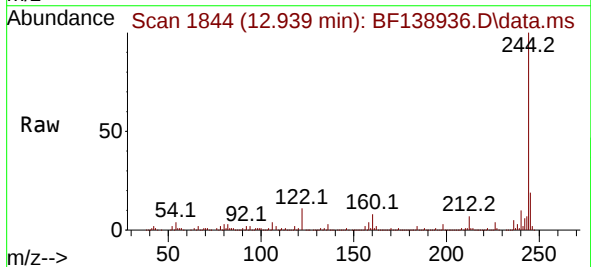
Instrument :
BNA_F
ClientSampleId :
B-105-SB02RE

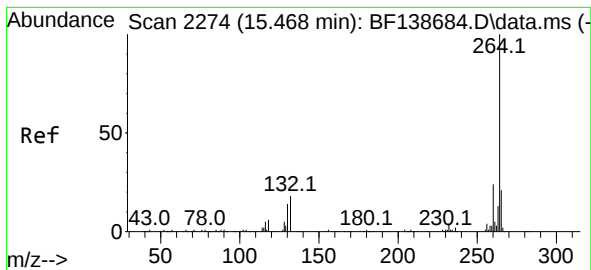
Tgt Ion:184 Resp: 5668
Ion Ratio Lower Upper
184 100
185 26.0 11.1 16.7#
183 8.9 9.6 14.4#



#79
Terphenyl-d14
Concen: 69.172 ng
RT: 12.939 min Scan# 1844
Delta R.T. -0.006 min
Lab File: BF138936.D
Acq: 12 Aug 2024 16:16

Tgt Ion:244 Resp: 344295
Ion Ratio Lower Upper
244 100
212 7.1 5.4 8.2
122 10.8 9.6 14.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.463 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF138936.D
 Acq: 12 Aug 2024 16:16

Instrument :
 BNA_F
 ClientSampleId :
 B-105-SB02RE

Tgt Ion:264	Resp:	63063
Ion Ratio	Lower	Upper
264	100	
260	24.6	19.0 28.6
265	22.2	17.0 25.6

