

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030525\
 Data File : BF141836.D
 Acq On : 05 Mar 2025 10:39
 Operator : RC/JU
 Sample : PB166970BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

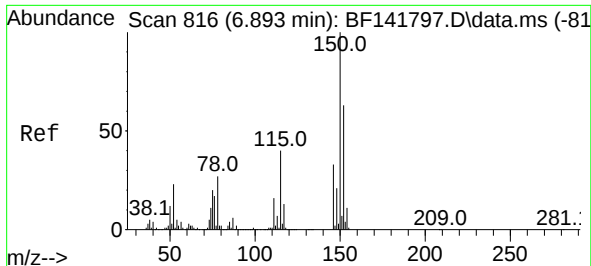
Instrument :
 BNA_F
 ClientSampleId :
 PB166970BL

Quant Time: Mar 05 11:28:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	244194	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	957285	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	526428	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	923842	20.000	ng	0.00
76) Chrysene-d12	14.039	240	795728	20.000	ng	-0.01
86) Perylene-d12	15.509	264	671509	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	2044304	133.694	ng	0.02
7) Phenol-d6	6.504	99	2565744	128.916	ng	0.00
23) Nitrobenzene-d5	7.439	82	1664657	111.153	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	803381	162.555	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	3037773	92.528	ng	0.00
79) Terphenyl-d14	12.992	244	3887334	79.039	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	231124	17.666	ng	# 79
25) Isophorone	7.439	82	1657654	51.521	ng	# 66
32) Benzoic acid	7.828	122	545	7.737	ng	# 74
48) 2-Nitroaniline	9.239	65	5259	4.930	ng	# 1
51) 2,6-Dinitrotoluene	9.916	165	67693	12.274	ng	# 21
57) 2,4-Dinitrotoluene	9.916	165	67693	11.139	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.704	198	1910	8.491	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	53921	4.997	ng	# 1

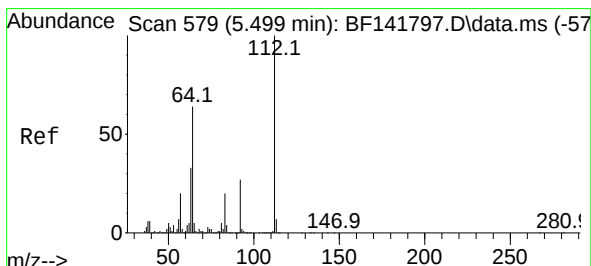
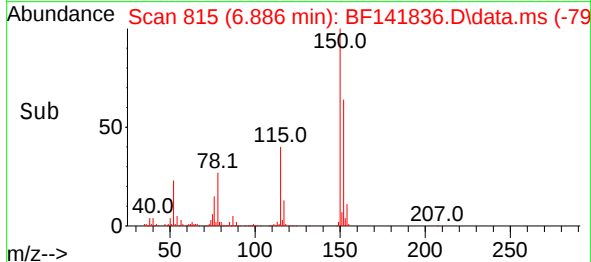
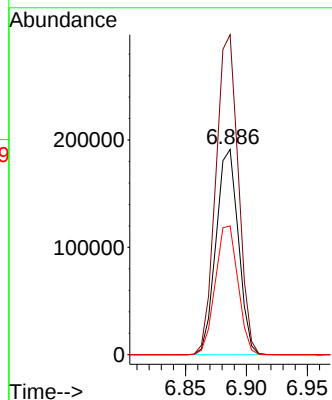
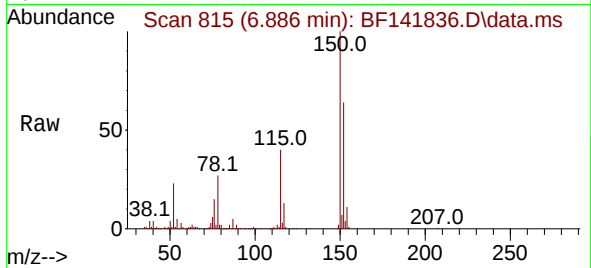
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.886 min Scan# 816
 Delta R.T. -0.007 min
 Lab File: BF141836.D
 Acq: 05 Mar 2025 10:39

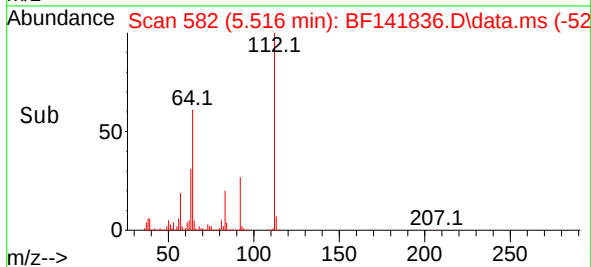
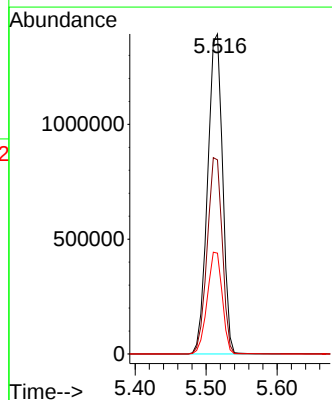
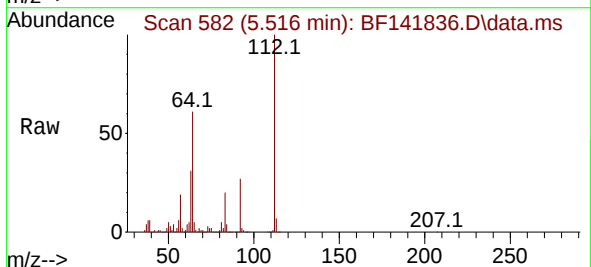
Instrument :
 BNA_F
 ClientSampleId :
 PB166970BL

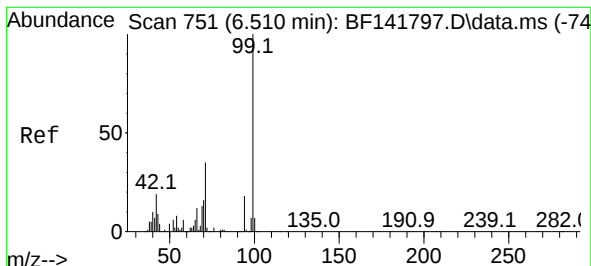
Tgt Ion:152 Resp: 244194
 Ion Ratio Lower Upper
 152 100
 150 155.8 127.5 191.3
 115 62.7 51.4 77.2



#5
 2-Fluorophenol
 Concen: 133.694 ng
 RT: 5.516 min Scan# 582
 Delta R.T. 0.017 min
 Lab File: BF141836.D
 Acq: 05 Mar 2025 10:39

Tgt Ion:112 Resp: 2044304
 Ion Ratio Lower Upper
 112 100
 64 60.6 51.3 76.9
 63 31.5 26.2 39.4





#7

Phenol-d6

Concen: 128.916 ng

RT: 6.504 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF141836.D

Acq: 05 Mar 2025 10:39

Instrument :

BNA_F

ClientSampleId :

PB166970BL

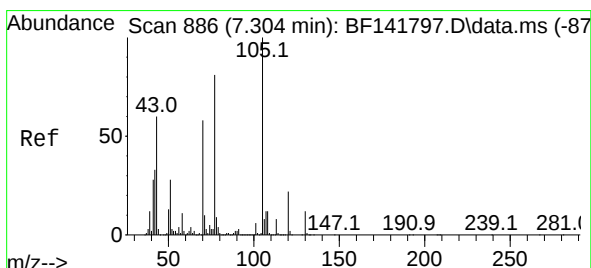
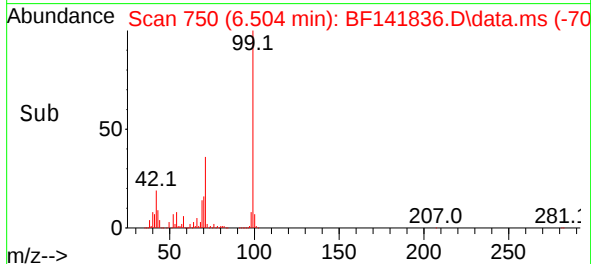
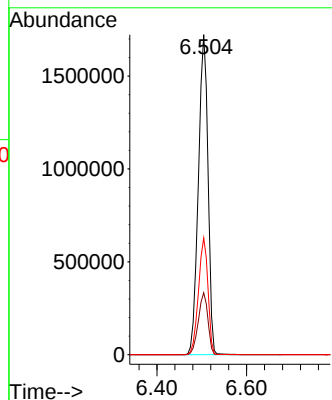
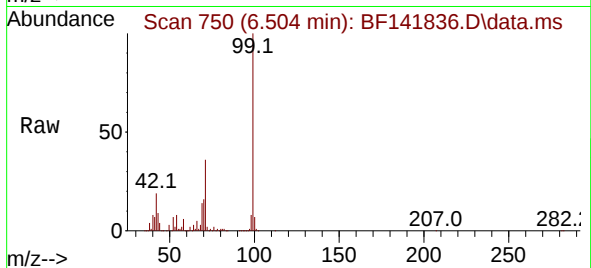
Tgt Ion: 99 Resp: 2565744

Ion Ratio Lower Upper

99 100

42 19.3 15.2 22.8

71 36.4 28.2 42.2



#19

n-Nitroso-di-n-propylamine

Concen: 17.666 ng

RT: 7.439 min Scan# 909

Delta R.T. 0.135 min

Lab File: BF141836.D

Acq: 05 Mar 2025 10:39

Tgt Ion: 70 Resp: 231124

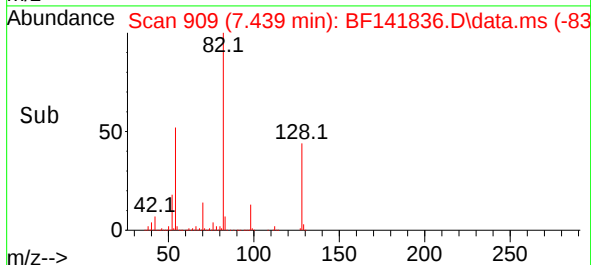
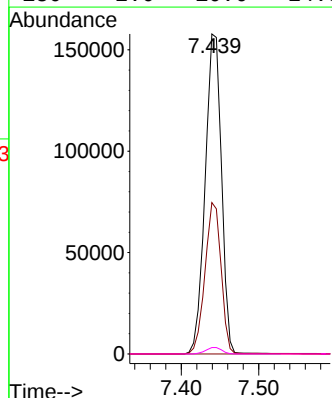
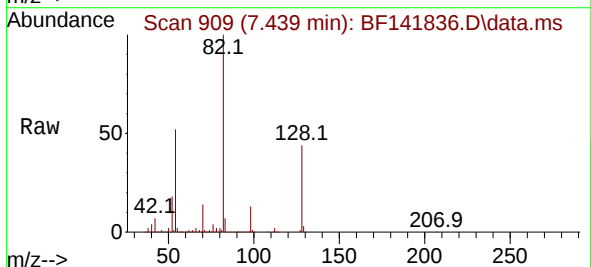
Ion Ratio Lower Upper

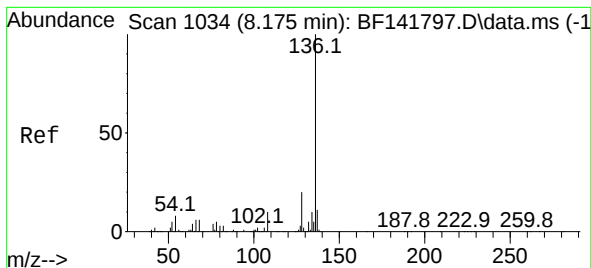
70 100

42 47.3 45.4 68.0

101 0.0 7.8 11.8#

130 2.0 16.6 24.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141836.D

Acq: 05 Mar 2025 10:39

Instrument :

BNA_F

ClientSampleId :

PB166970BL

Tgt Ion:136 Resp: 957285

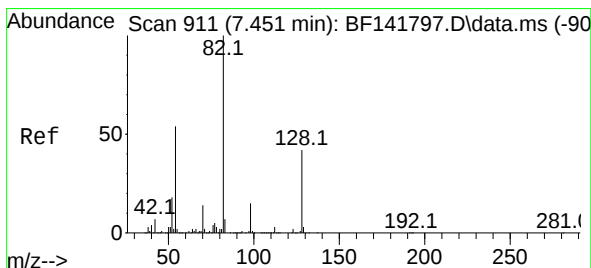
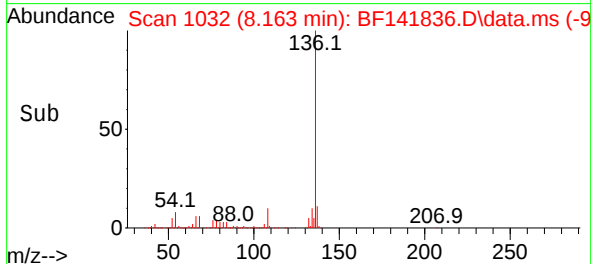
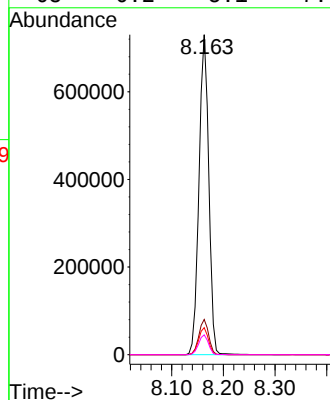
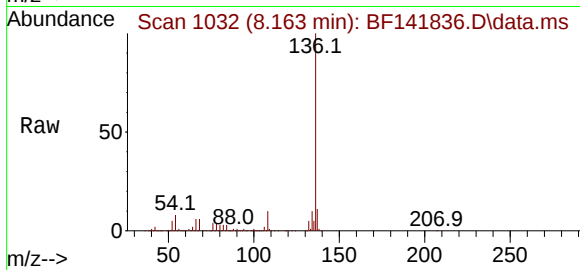
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.4 6.9 10.3

68 6.2 5.1 7.7



#23

Nitrobenzene-d5

Concen: 111.153 ng

RT: 7.439 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF141836.D

Acq: 05 Mar 2025 10:39

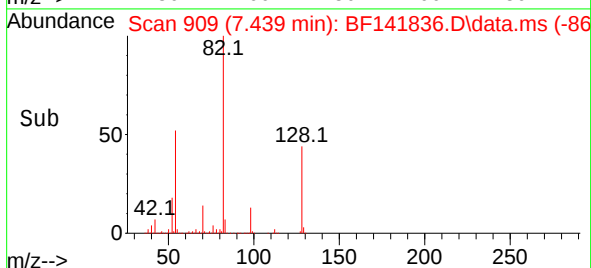
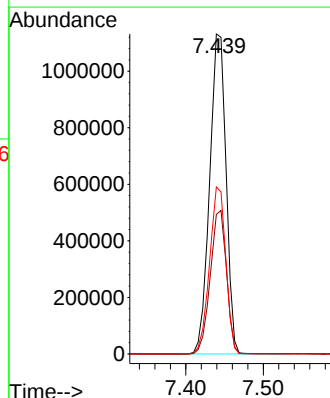
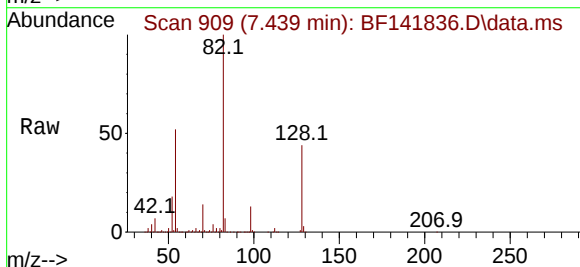
Tgt Ion: 82 Resp: 1664657

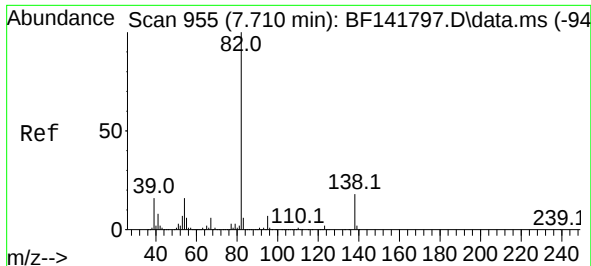
Ion Ratio Lower Upper

82 100

128 43.6 33.5 50.3

54 52.2 42.7 64.1

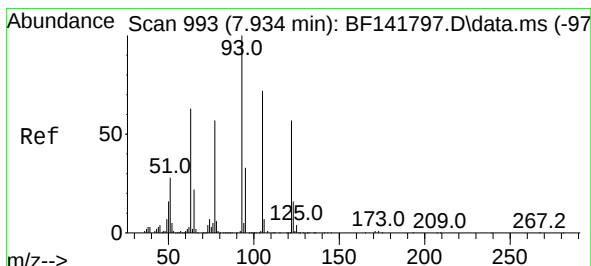
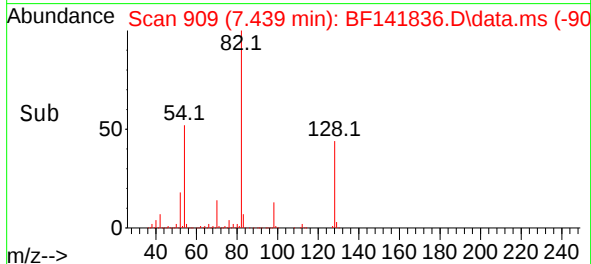
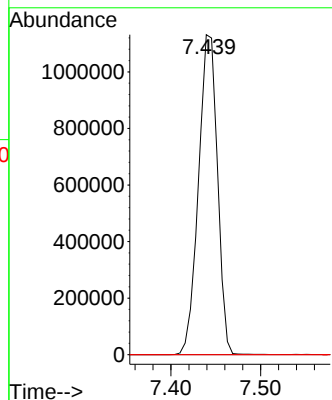
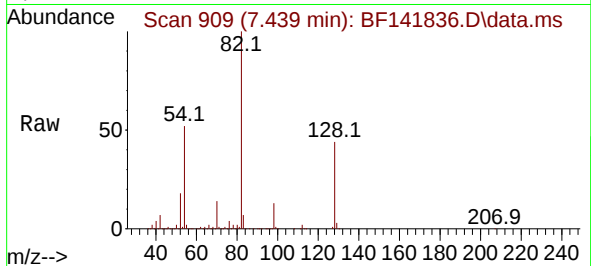




#25
Isophorone
Concen: 51.521 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.271 min
Lab File: BF141836.D
Acq: 05 Mar 2025 10:39

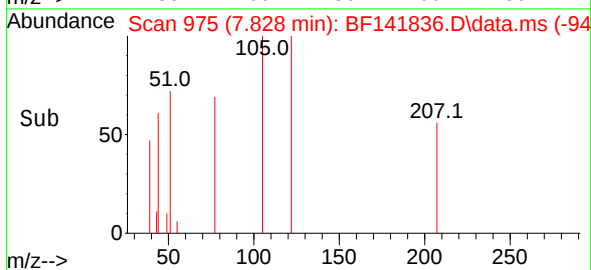
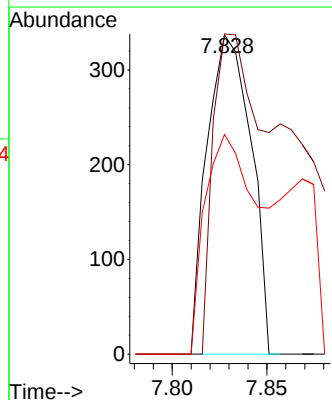
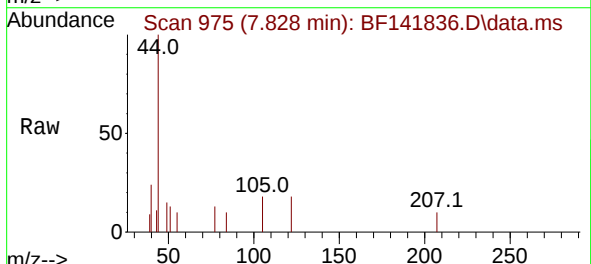
Instrument :
BNA_F
ClientSampleId :
PB166970BL

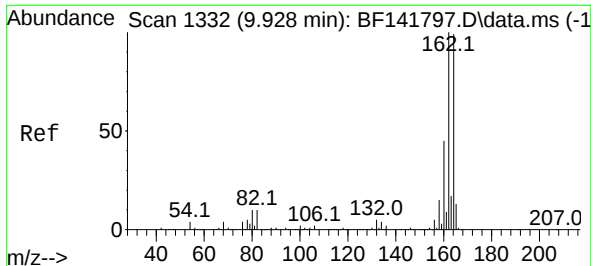
Tgt Ion: 82 Resp: 1657654
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 14.0 21.0#



#32
Benzoic acid
Concen: 7.737 ng
RT: 7.828 min Scan# 975
Delta R.T. -0.106 min
Lab File: BF141836.D
Acq: 05 Mar 2025 10:39

Tgt Ion:122 Resp: 545
Ion Ratio Lower Upper
122 100
105 100.3 105.8 145.8#
77 68.8 79.9 119.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 14

Delta R.T. -0.012 min

Lab File: BF141836.D

Acq: 05 Mar 2025 10:39

Instrument :

BNA_F

ClientSampleId :

PB166970BL

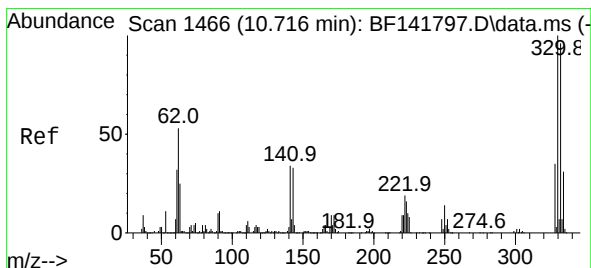
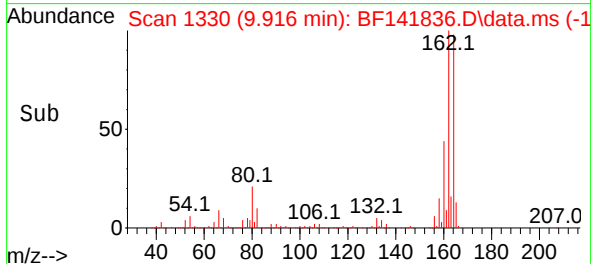
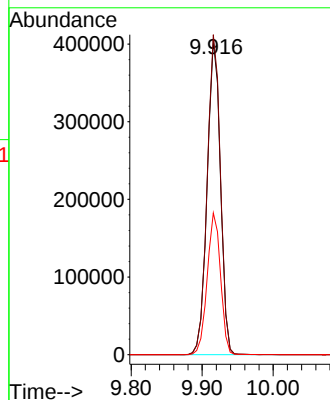
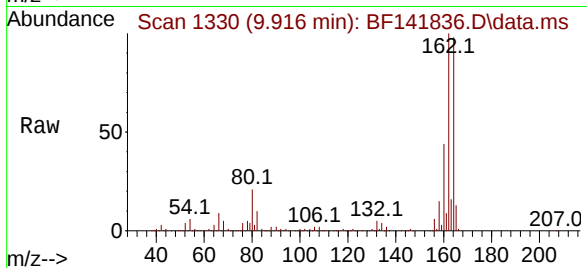
Tgt Ion:164 Resp: 526428

Ion Ratio Lower Upper

164 100

162 101.9 80.6 120.8

160 45.2 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 162.555 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.012 min

Lab File: BF141836.D

Acq: 05 Mar 2025 10:39

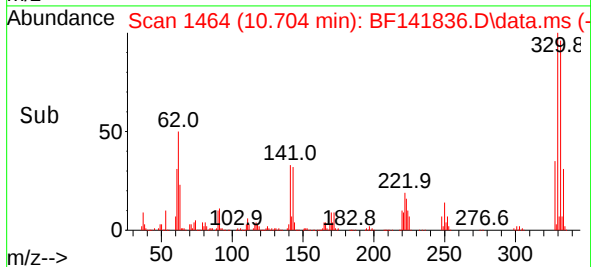
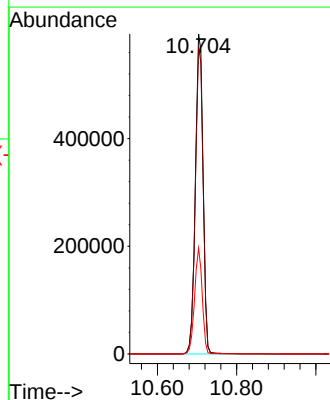
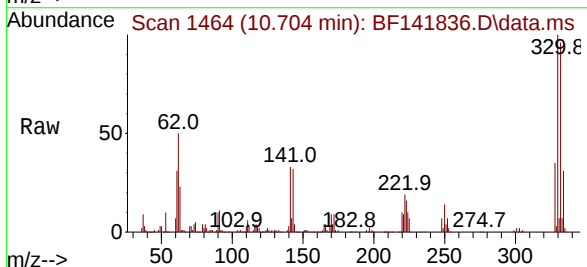
Tgt Ion:330 Resp: 803381

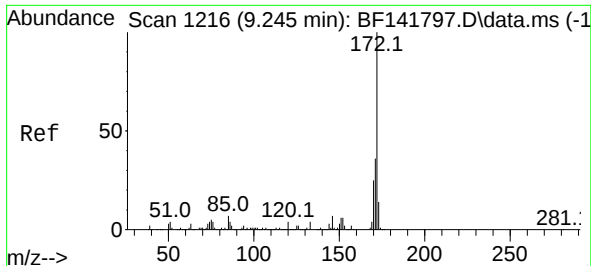
Ion Ratio Lower Upper

330 100

332 96.2 76.6 115.0

141 32.8 29.0 43.4





#45

2-Fluorobiphenyl

Concen: 92.528 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF141836.D

Acq: 05 Mar 2025 10:39

Instrument :

BNA_F

ClientSampleId :

PB166970BL

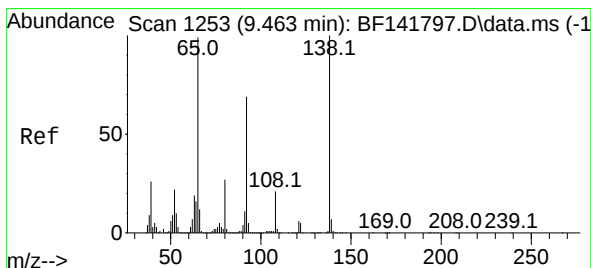
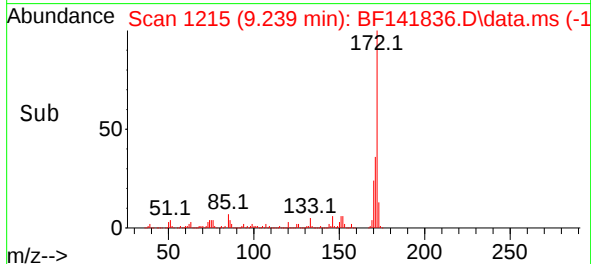
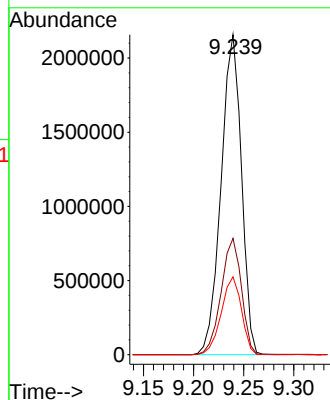
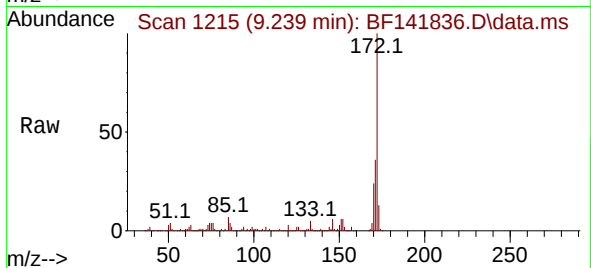
Tgt Ion:172 Resp: 3037773

Ion Ratio Lower Upper

172 100

171 36.4 29.2 43.8

170 24.3 19.7 29.5



#48

2-Nitroaniline

Concen: 4.930 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.224 min

Lab File: BF141836.D

Acq: 05 Mar 2025 10:39

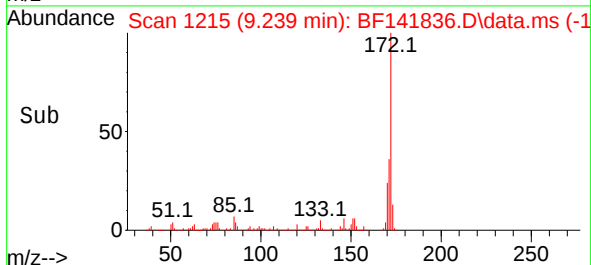
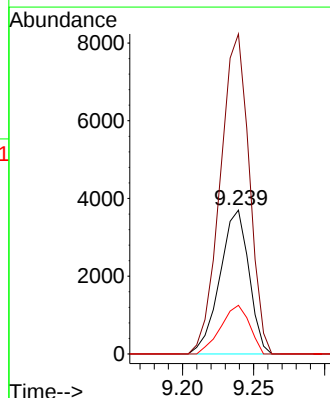
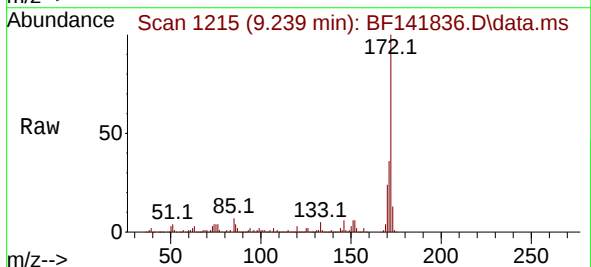
Tgt Ion: 65 Resp: 5259

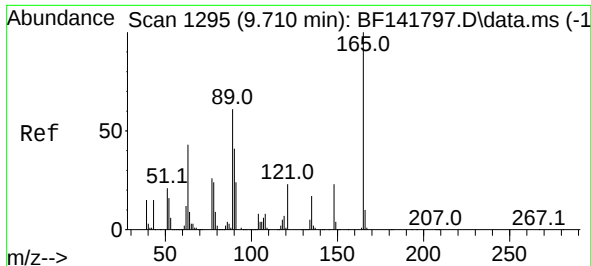
Ion Ratio Lower Upper

65 100

92 222.5 55.7 83.5#

138 33.9 80.6 121.0#





#51

2,6-Dinitrotoluene

Concen: 12.274 ng

RT: 9.916 min Scan# 1330

Delta R.T. 0.206 min

Lab File: BF141836.D

Acq: 05 Mar 2025 10:39

Instrument :

BNA_F

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PB166970BL

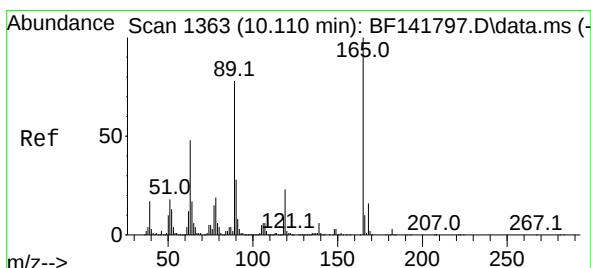
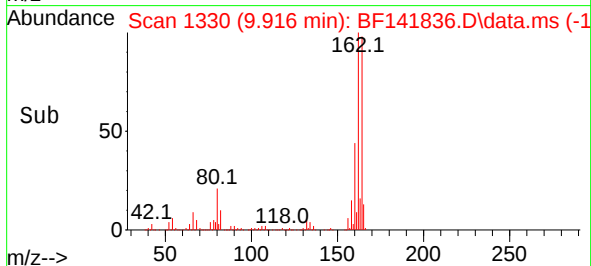
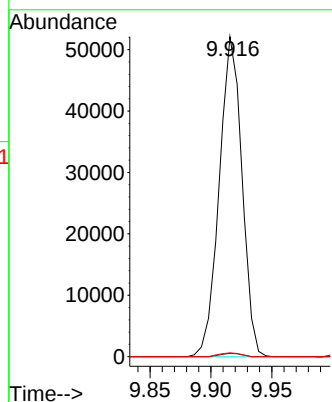
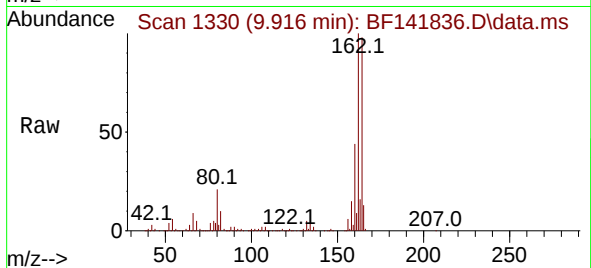
Tgt Ion:165 Resp: 67693

Ion Ratio Lower Upper

165 100

63 1.1 49.5 74.3#

89 1.2 49.0 73.4#



#57

2,4-Dinitrotoluene

Concen: 11.139 ng

RT: 9.916 min Scan# 1330

Delta R.T. -0.194 min

Lab File: BF141836.D

Acq: 05 Mar 2025 10:39

Tgt Ion:165 Resp: 67693

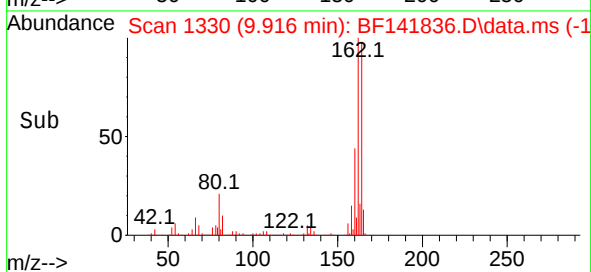
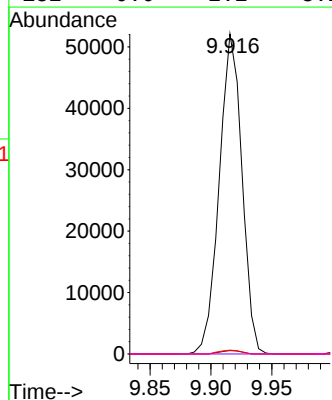
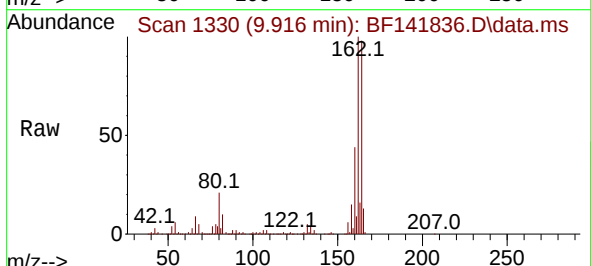
Ion Ratio Lower Upper

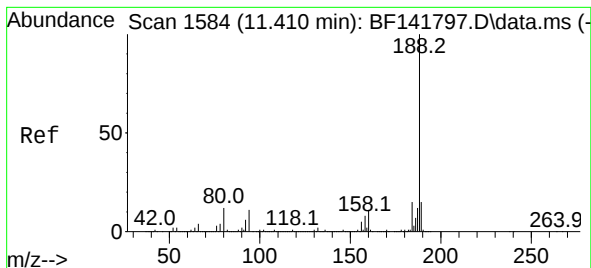
165 100

63 1.1 38.8 58.2#

89 1.2 62.6 94.0#

182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1464

Delta R.T. -0.006 min

Lab File: BF141836.D

Acq: 05 Mar 2025 10:39

Instrument :

BNA_F

ClientSampleId :

PB166970BL

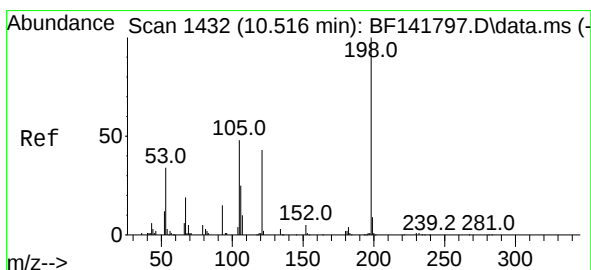
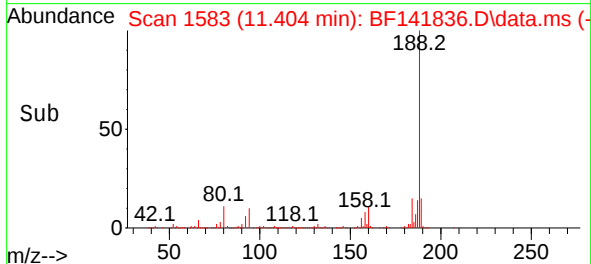
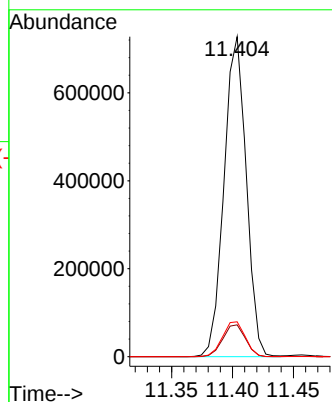
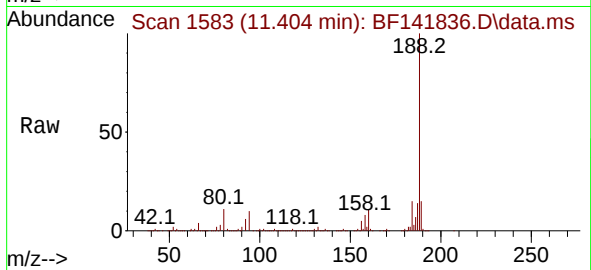
Tgt Ion:188 Resp: 923842

Ion Ratio Lower Upper

188 100

94 9.9 8.9 13.3

80 10.9 9.7 14.5



#65

4,6-Dinitro-2-methylphenol

Concen: 8.491 ng

RT: 10.704 min Scan# 1464

Delta R.T. 0.188 min

Lab File: BF141836.D

Acq: 05 Mar 2025 10:39

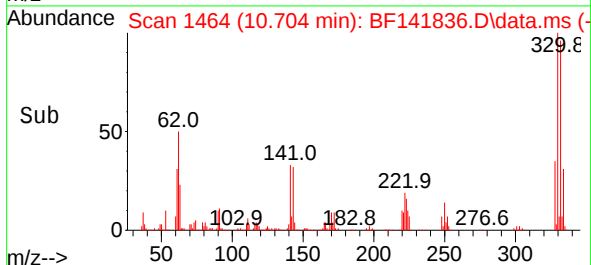
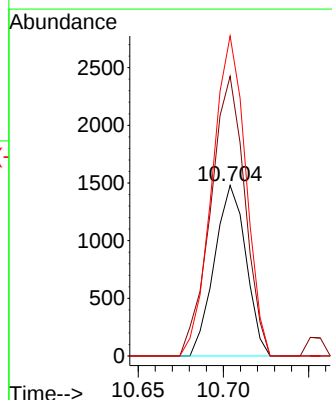
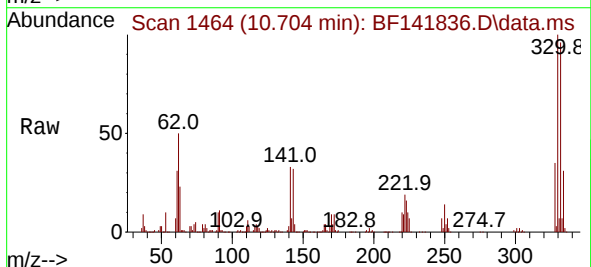
Tgt Ion:198 Resp: 1910

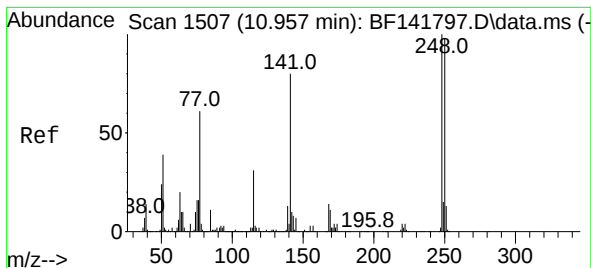
Ion Ratio Lower Upper

198 100

51 164.0 32.1 72.1#

105 187.6 28.5 68.5#

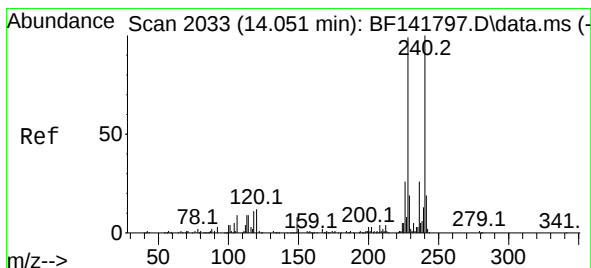
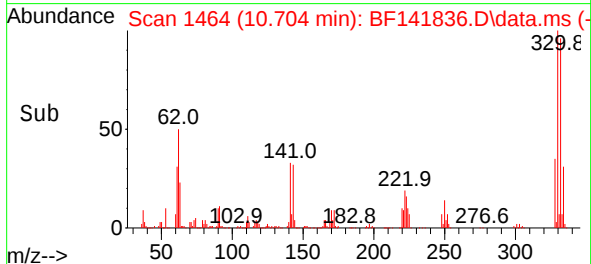
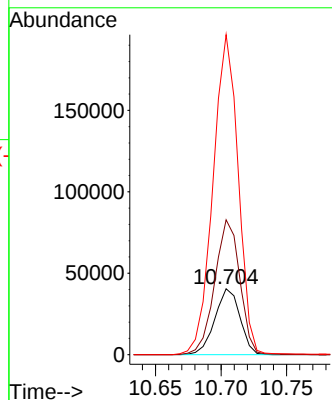
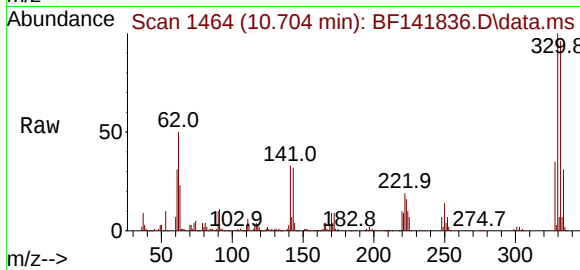




#67
4-Bromophenyl-phenylether
Concen: 4.997 ng
RT: 10.704 min Scan# 141
Delta R.T. -0.253 min
Lab File: BF141836.D
Acq: 05 Mar 2025 10:39

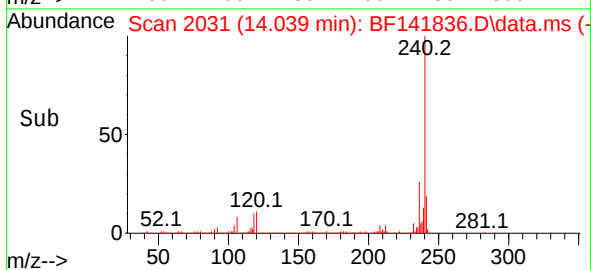
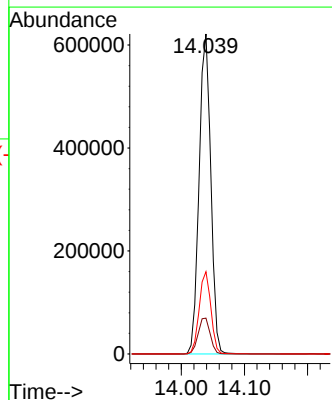
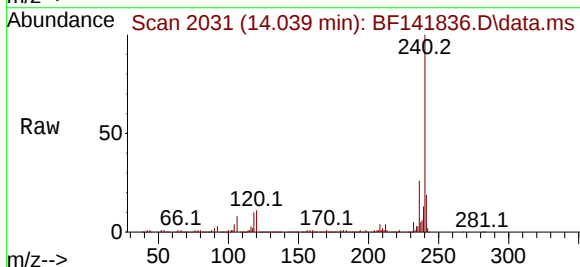
Instrument :
BNA_F
ClientSampleId :
PB166970BL

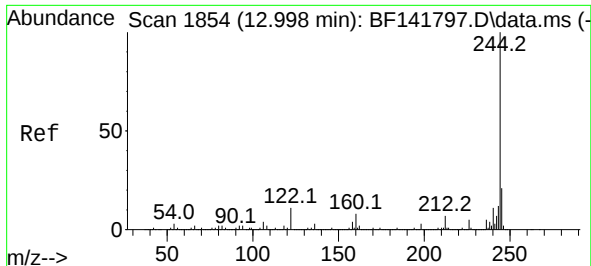
Tgt Ion:248 Resp: 53921
Ion Ratio Lower Upper
248 100
250 204.5 78.1 117.1#
141 485.4 64.3 96.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF141836.D
Acq: 05 Mar 2025 10:39

Tgt Ion:240 Resp: 795728
Ion Ratio Lower Upper
240 100
120 11.2 9.7 14.5
236 25.7 21.0 31.4





#79

Terphenyl-d14

Concen: 79.039 ng

RT: 12.992 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141836.D

Acq: 05 Mar 2025 10:39

Instrument :

BNA_F

ClientSampleId :

PB166970BL

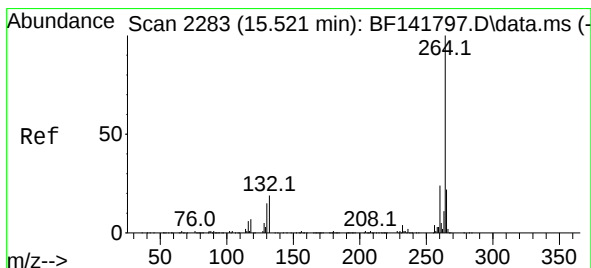
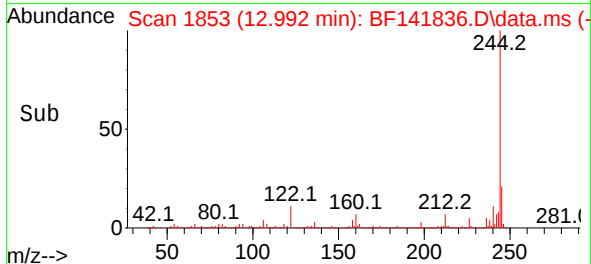
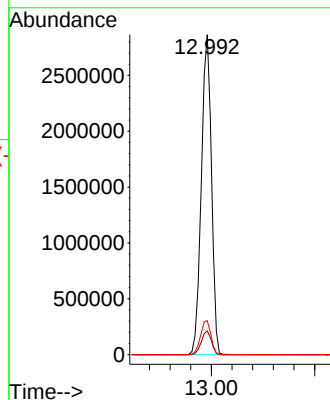
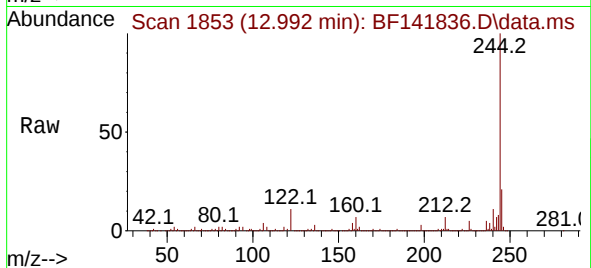
Tgt Ion:244 Resp: 3887334

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

122 10.7 9.0 13.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.509 min Scan# 2281

Delta R.T. -0.012 min

Lab File: BF141836.D

Acq: 05 Mar 2025 10:39

Tgt Ion:264 Resp: 671509

Ion Ratio Lower Upper

264 100

260 23.8 18.9 28.3

265 22.0 17.4 26.0

