

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
 Data File : BF142863.D
 Acq On : 26 Jun 2025 12:39
 Operator : RC/JU
 Sample : Q2405-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-M/H

Quant Time: Jun 26 13:06:11 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

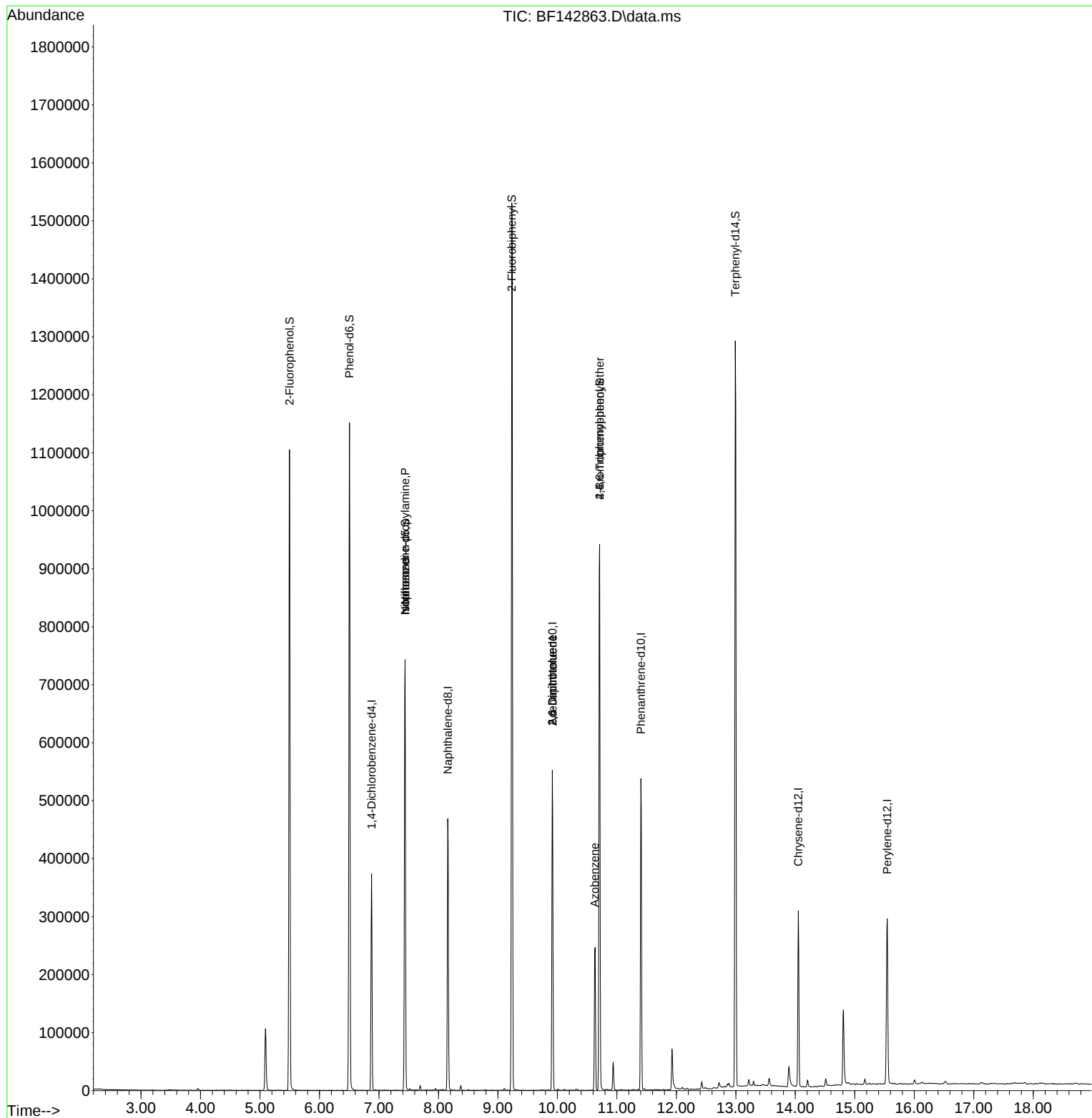
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	79948	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	305333	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	166232	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	281610	20.000	ng	0.00
76) Chrysene-d12	14.051	240	147222	20.000	ng	0.00
86) Perylene-d12	15.545	264	170519	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	443340	92.326	ng	0.00
7) Phenol-d6	6.504	99	538760	95.098	ng	0.00
23) Nitrobenzene-d5	7.439	82	323343	58.086	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	167330	97.817	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	696850	55.070	ng	-0.01
79) Terphenyl-d14	12.992	244	628752	59.009	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	44633	13.546	ng	# 74
25) Isophorone	7.439	82	323389	36.215	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	21653	9.163	ng	# 27
57) 2,4-Dinitrotoluene	9.916	165	21653	6.898	ng	# 28
63) Azobenzene	10.627	77	59167	6.275	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	11237	3.506	ng	# 1

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

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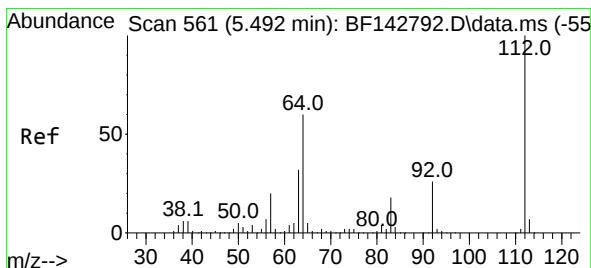
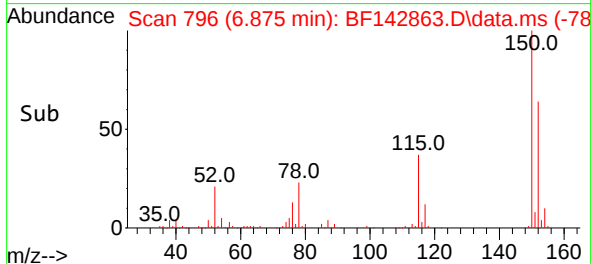
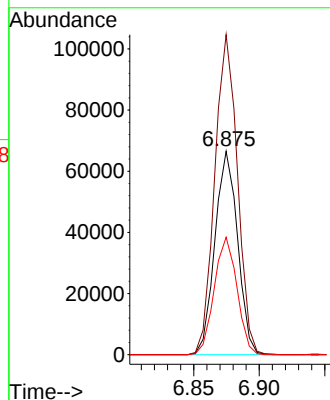
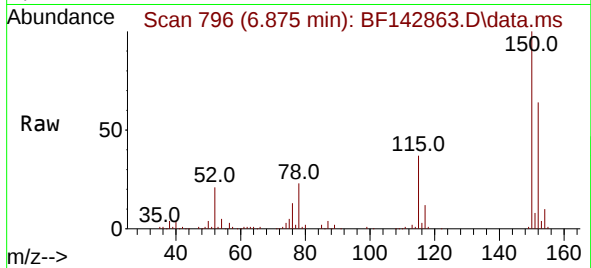




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 797
 Delta R.T. -0.006 min
 Lab File: BF142863.D
 Acq: 26 Jun 2025 12:39

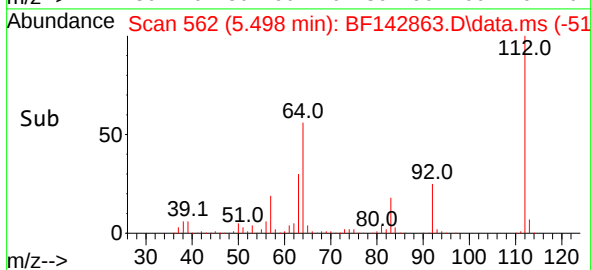
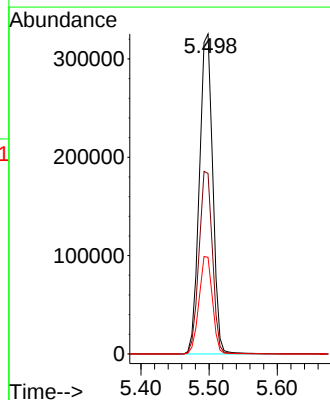
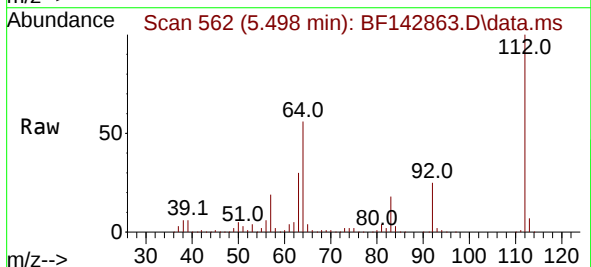
Instrument :
 BNA_F
 ClientSampleId :
 MH-M/H

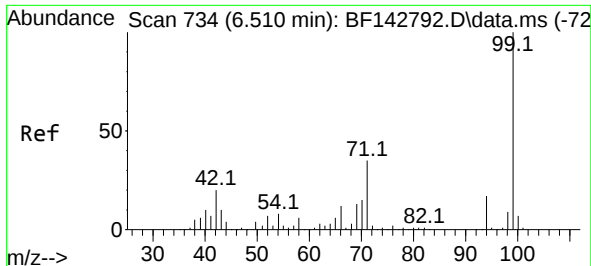
Tgt Ion:152 Resp: 79948
 Ion Ratio Lower Upper
 152 100
 150 157.3 127.2 190.8
 115 57.7 46.6 69.8



#5
 2-Fluorophenol
 Concen: 92.326 ng
 RT: 5.498 min Scan# 562
 Delta R.T. 0.006 min
 Lab File: BF142863.D
 Acq: 26 Jun 2025 12:39

Tgt Ion:112 Resp: 443340
 Ion Ratio Lower Upper
 112 100
 64 56.4 48.2 72.2
 63 30.2 25.7 38.5





#7

Phenol-d6

Concen: 95.098 ng

RT: 6.504 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF142863.D

Acq: 26 Jun 2025 12:39

Instrument :

BNA_F

ClientSampleId :

MH-M/H

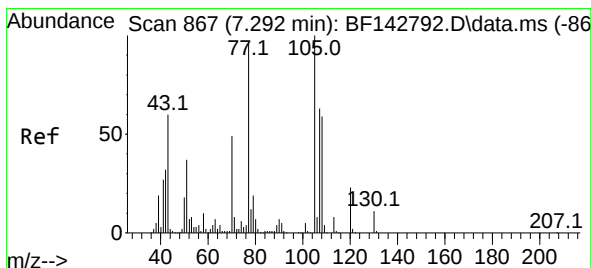
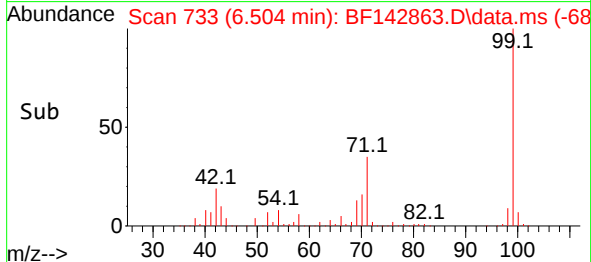
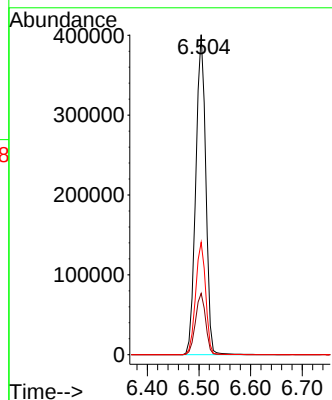
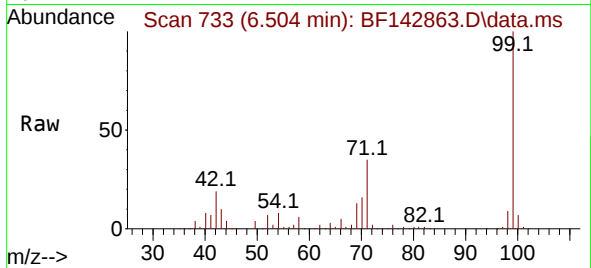
Tgt Ion: 99 Resp: 538760

Ion Ratio Lower Upper

99 100

42 19.2 15.9 23.9

71 35.1 27.8 41.8



#19

n-Nitroso-di-n-propylamine

Concen: 13.546 ng

RT: 7.439 min Scan# 892

Delta R.T. 0.147 min

Lab File: BF142863.D

Acq: 26 Jun 2025 12:39

Tgt Ion: 70 Resp: 44633

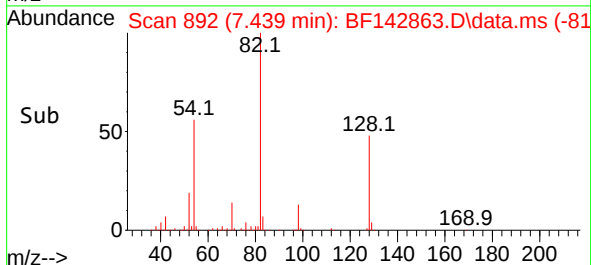
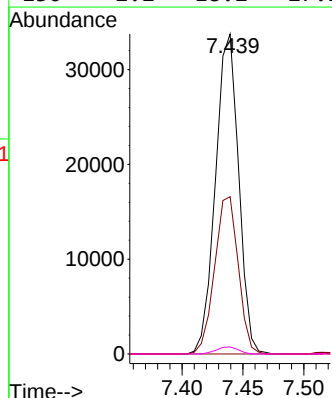
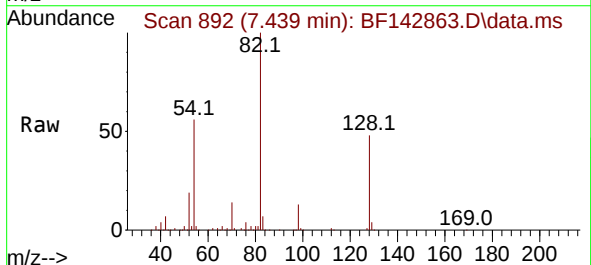
Ion Ratio Lower Upper

70 100

42 49.2 52.1 78.1#

101 0.0 8.2 12.2#

130 2.2 18.2 27.2#

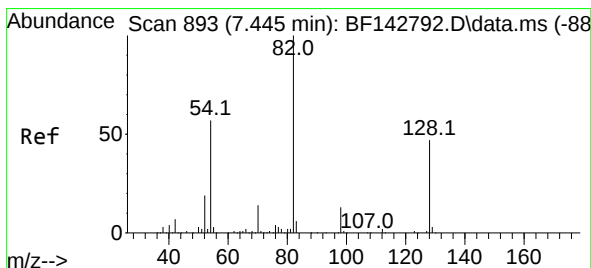
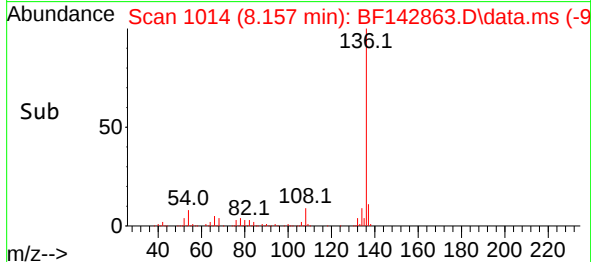
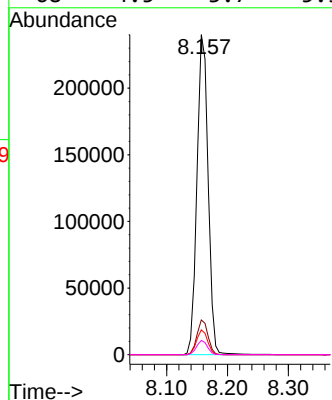
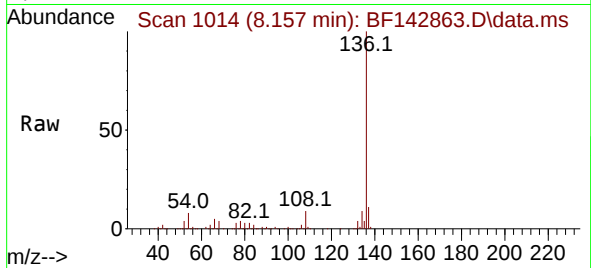




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142863.D
Acq: 26 Jun 2025 12:39

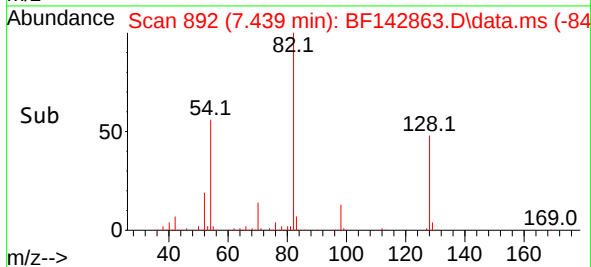
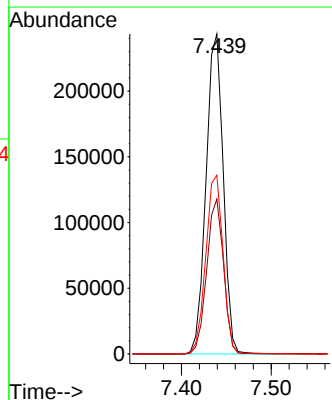
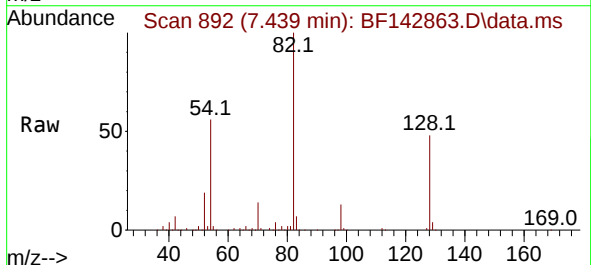
Instrument :
BNA_F
ClientSampleId :
MH-M/H

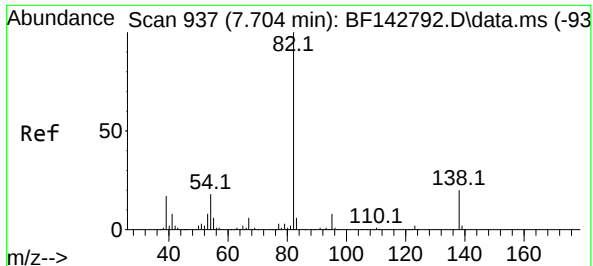
Tgt Ion:136 Resp: 305333
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 7.8 6.3 9.5
68 4.5 3.7 5.5



#23
Nitrobenzene-d5
Concen: 58.086 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF142863.D
Acq: 26 Jun 2025 12:39

Tgt Ion: 82 Resp: 323343
Ion Ratio Lower Upper
82 100
128 48.4 37.7 56.5
54 55.8 45.7 68.5

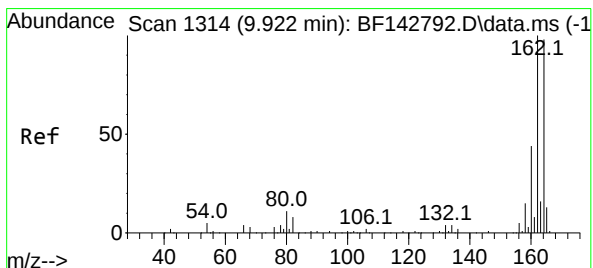
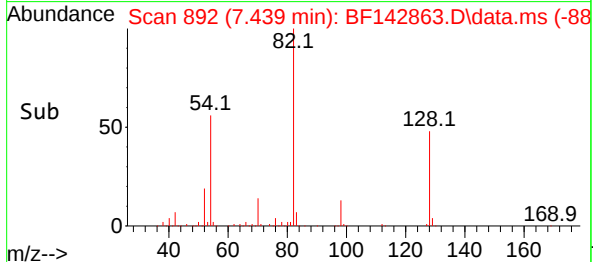
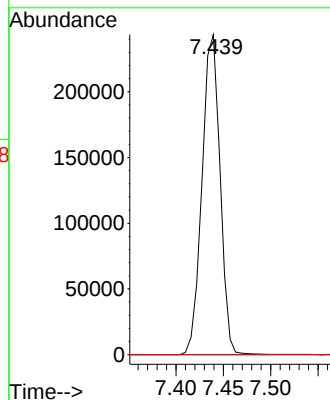
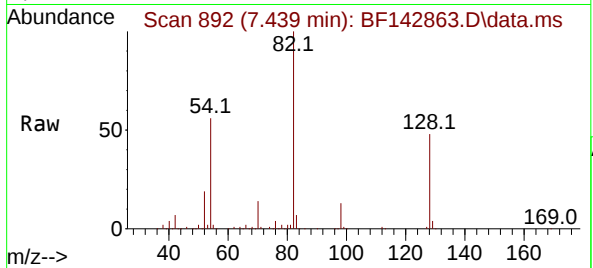




#25
Isophorone
Concen: 36.215 ng
RT: 7.439 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF142863.D
Acq: 26 Jun 2025 12:39

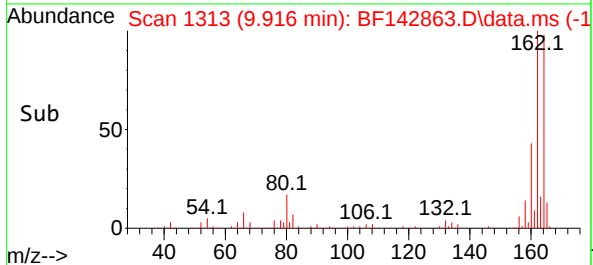
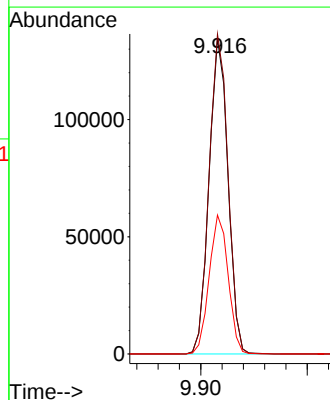
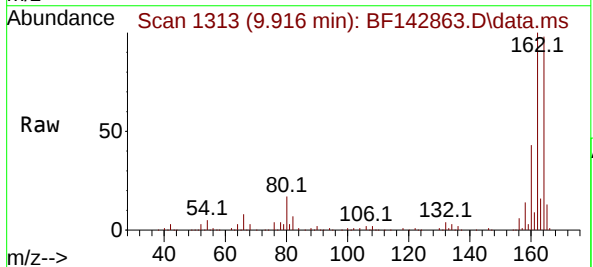
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ClientSampleId :
MH-M/H

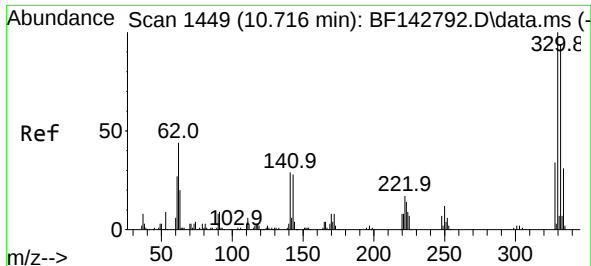
Tgt Ion: 82 Resp: 323389
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142863.D
Acq: 26 Jun 2025 12:39

Tgt Ion:164 Resp: 166232
Ion Ratio Lower Upper
164 100
162 101.6 81.8 122.8
160 44.1 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 97.817 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF142863.D

Acq: 26 Jun 2025 12:39

Instrument :

BNA_F

ClientSampleId :

MH-M/H

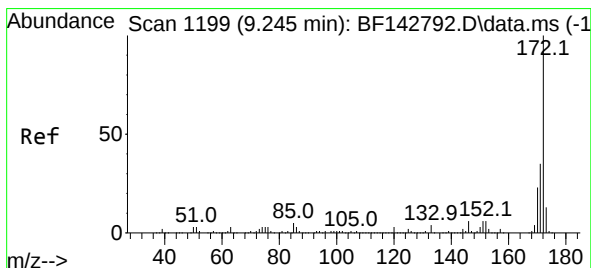
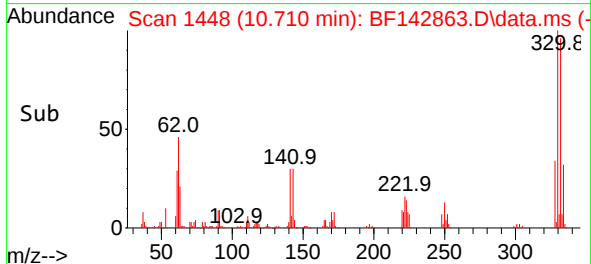
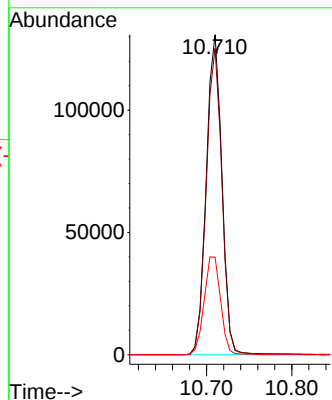
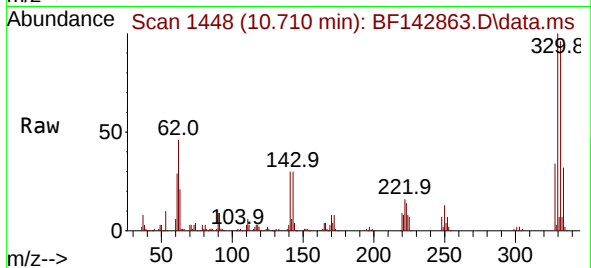
Tgt Ion:330 Resp: 167330

Ion Ratio Lower Upper

330 100

332 96.0 75.0 112.6

141 32.1 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 55.070 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF142863.D

Acq: 26 Jun 2025 12:39

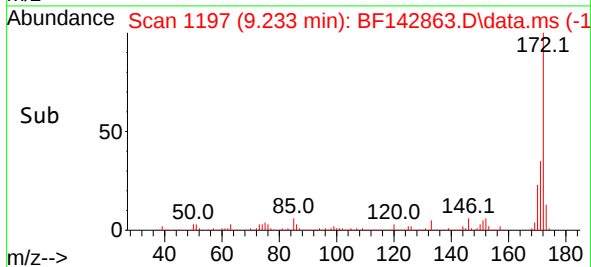
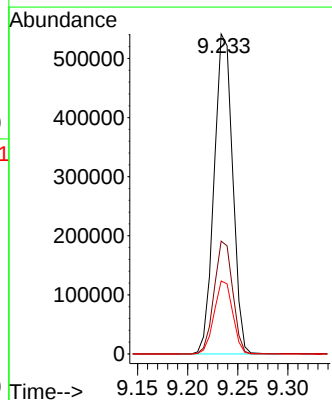
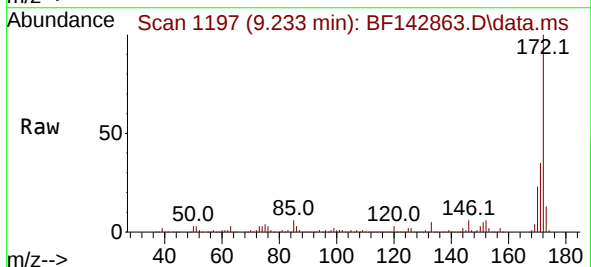
Tgt Ion:172 Resp: 696850

Ion Ratio Lower Upper

172 100

171 35.2 28.2 42.4

170 22.8 18.5 27.7

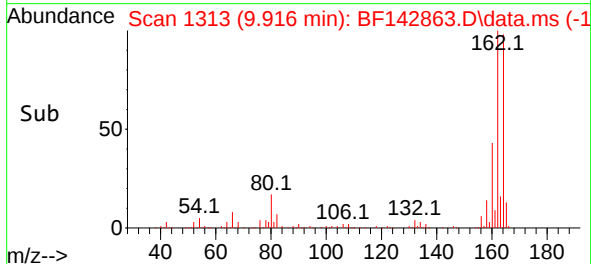
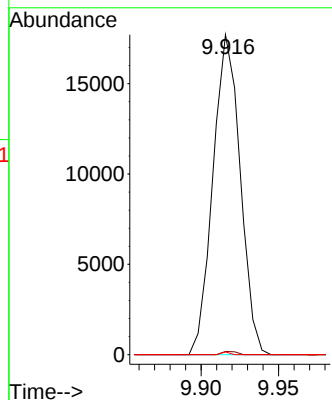
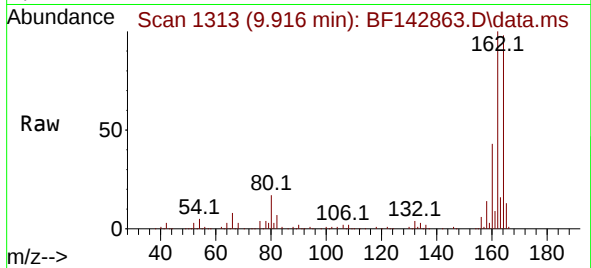




#51
2,6-Dinitrotoluene
Concen: 9.163 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142863.D
Acq: 26 Jun 2025 12:39

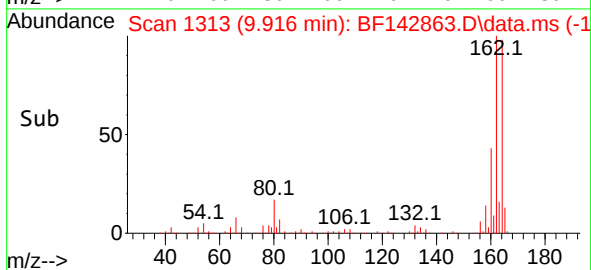
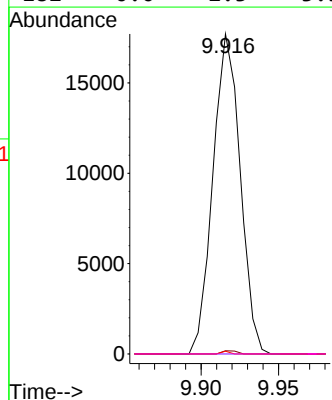
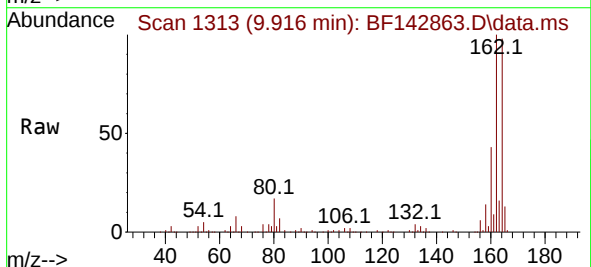
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BNA_F
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MH-M/H

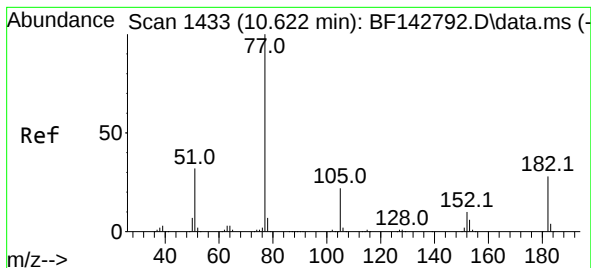
Tgt Ion:165 Resp: 21653
Ion Ratio Lower Upper
165 100
63 1.0 44.2 66.4#
89 0.9 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.898 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.194 min
Lab File: BF142863.D
Acq: 26 Jun 2025 12:39

Tgt Ion:165 Resp: 21653
Ion Ratio Lower Upper
165 100
63 1.0 33.9 50.9#
89 0.9 50.6 75.8#
182 0.0 2.3 3.5#





#63

Azobenzene

Concen: 6.275 ng

RT: 10.627 min Scan# 1433

Delta R.T. 0.006 min

Lab File: BF142863.D

Acq: 26 Jun 2025 12:39

Instrument :

BNA_F

ClientSampleId :

MH-M/H

Tgt Ion: 77 Resp: 59167

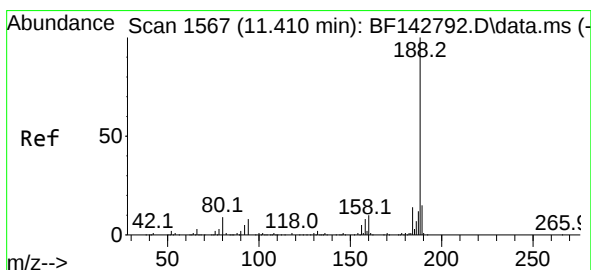
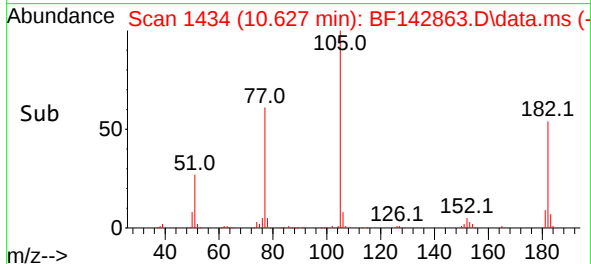
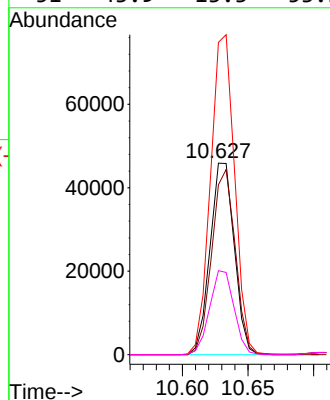
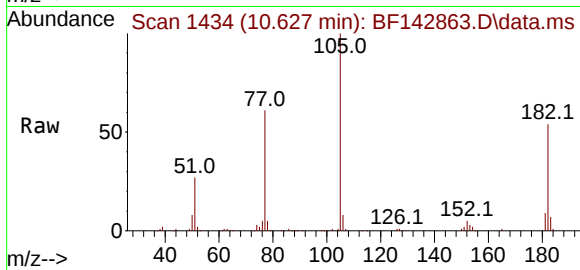
Ion Ratio Lower Upper

77 100

182 88.7 7.7 47.7#

105 163.1 1.9 41.9#

51 43.9 13.3 53.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1566

Delta R.T. -0.006 min

Lab File: BF142863.D

Acq: 26 Jun 2025 12:39

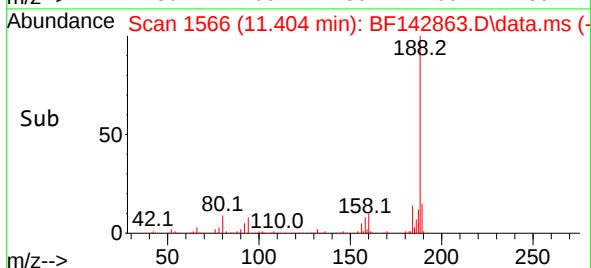
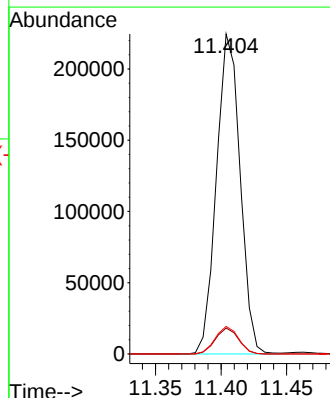
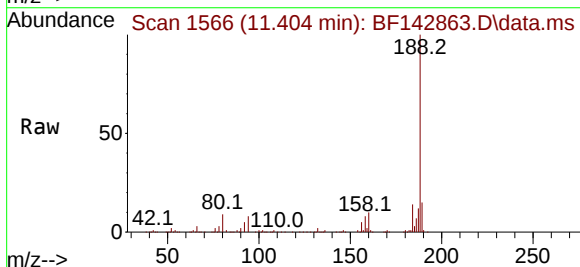
Tgt Ion: 188 Resp: 281610

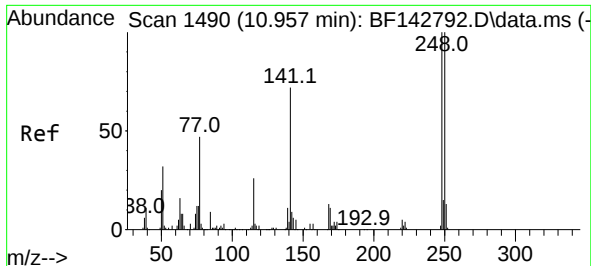
Ion Ratio Lower Upper

188 100

94 8.1 6.7 10.1

80 8.6 6.9 10.3

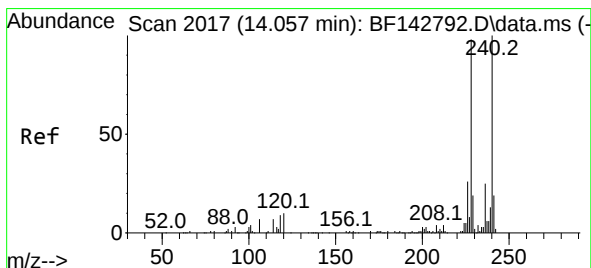
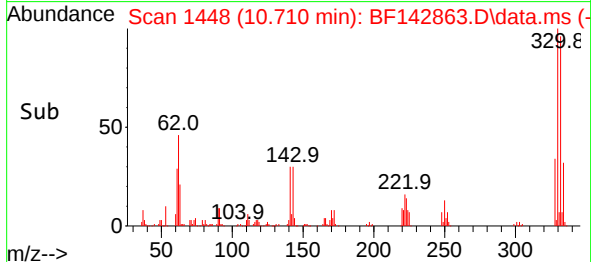
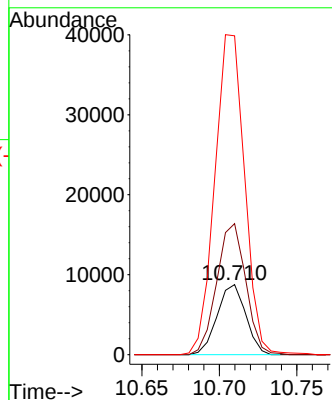
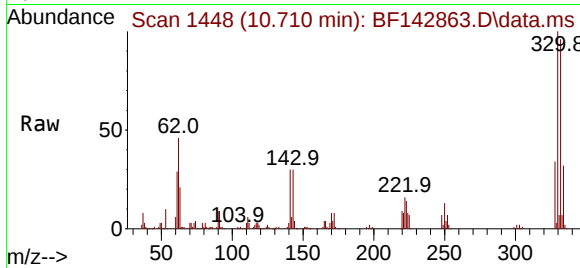




#67
4-Bromophenyl-phenylether
Concen: 3.506 ng
RT: 10.710 min Scan# 1490
Delta R.T. -0.247 min
Lab File: BF142863.D
Acq: 26 Jun 2025 12:39

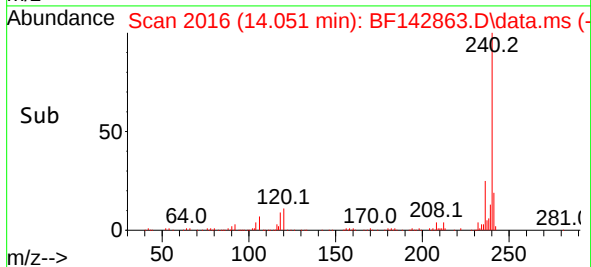
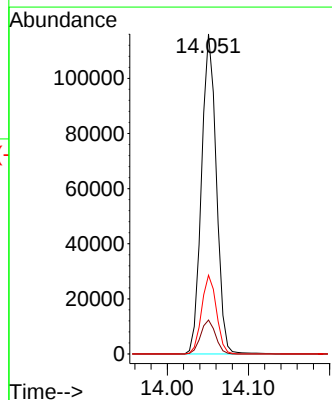
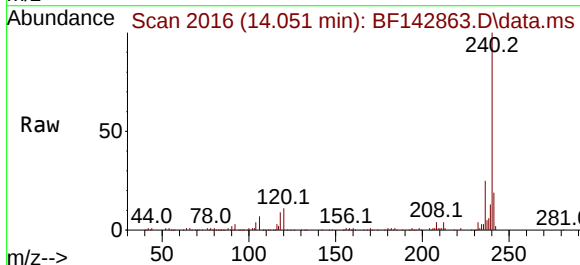
Instrument :
BNA_F
ClientSampleId :
MH-M/H

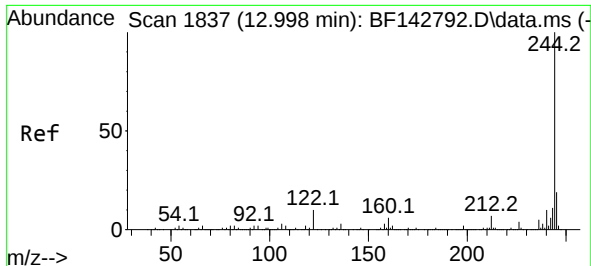
Tgt Ion:248 Resp: 11237
Ion Ratio Lower Upper
248 100
250 187.0 79.8 119.8#
141 455.0 57.8 86.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142863.D
Acq: 26 Jun 2025 12:39

Tgt Ion:240 Resp: 147222
Ion Ratio Lower Upper
240 100
120 10.6 8.2 12.2
236 24.6 19.8 29.8

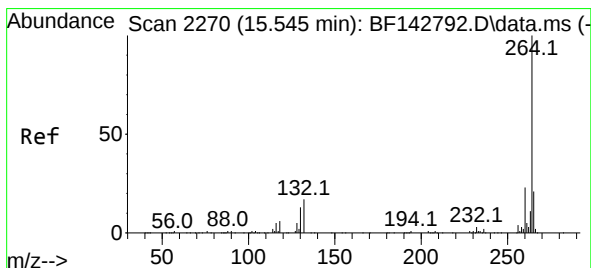
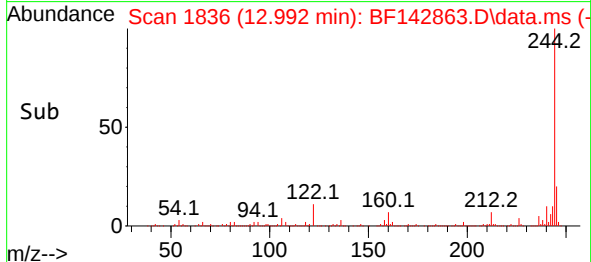
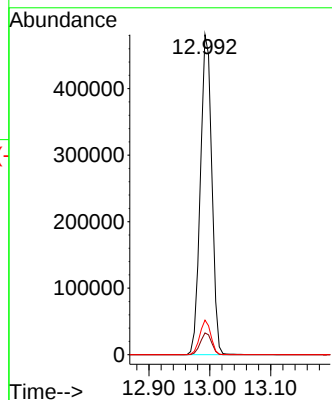
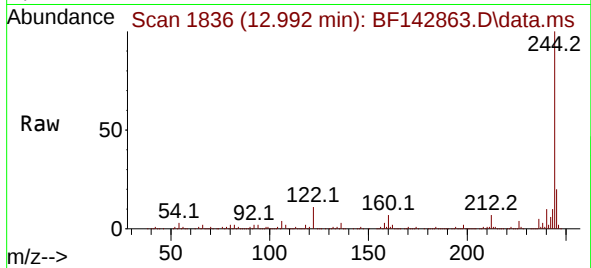




#79
 Terphenyl-d14
 Concen: 59.009 ng
 RT: 12.992 min Scan# 1836
 Delta R.T. -0.006 min
 Lab File: BF142863.D
 Acq: 26 Jun 2025 12:39

Instrument :
 BNA_F
 ClientSampleId :
 MH-M/H

Tgt Ion:244 Resp: 628752
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 10.8 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 2270
 Delta R.T. 0.000 min
 Lab File: BF142863.D
 Acq: 26 Jun 2025 12:39

Tgt Ion:264 Resp: 170519
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.1 27.1
 265 21.3 16.6 25.0

