

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
 Data File : BF142867.D
 Acq On : 26 Jun 2025 14:37
 Operator : RC/JU
 Sample : Q2399-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-13

Quant Time: Jun 26 14:58:53 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)

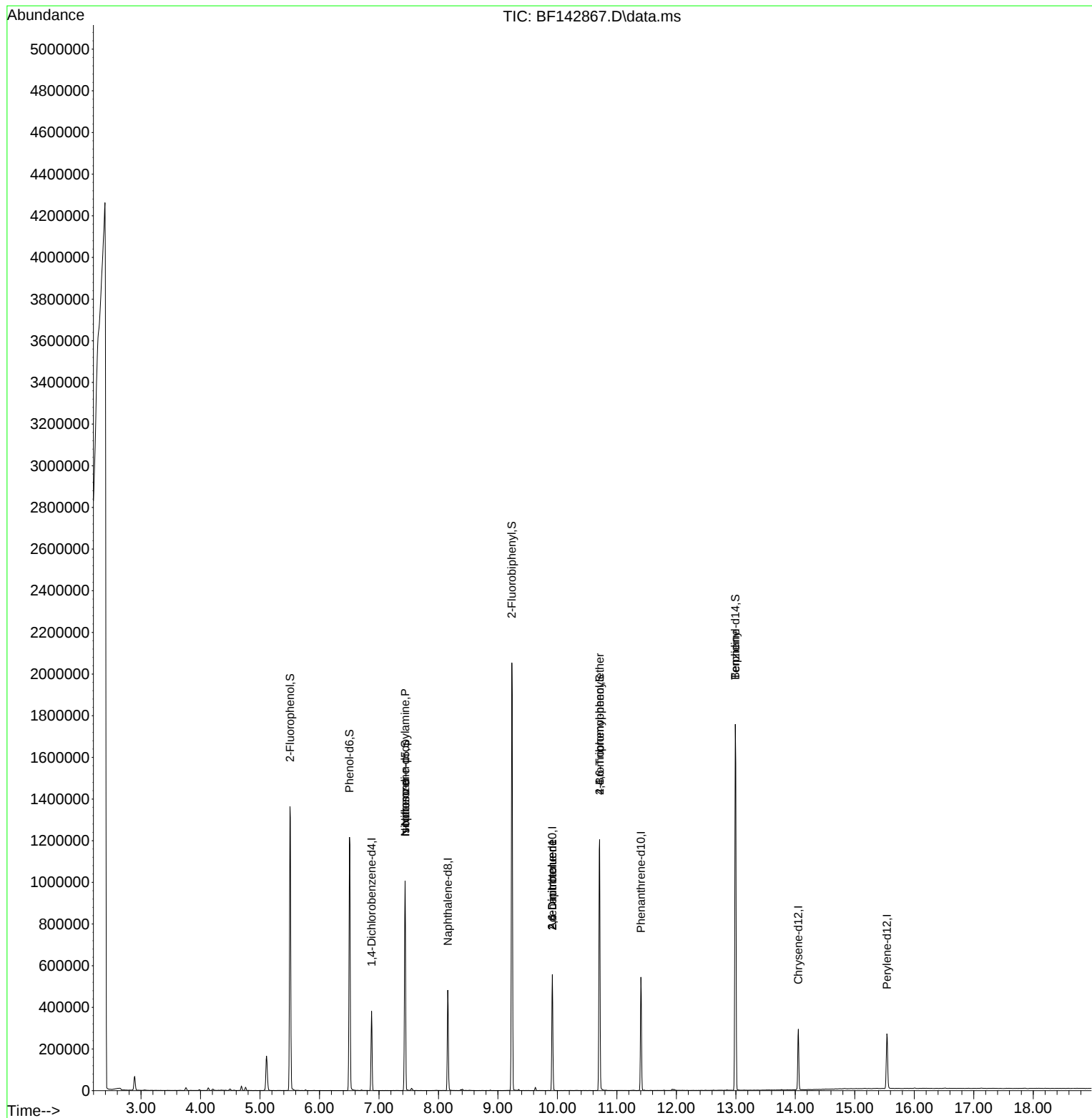
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	82162	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	312463	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	167417	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	284793	20.000	ng	0.00
76) Chrysene-d12	14.051	240	144672	20.000	ng	0.00
86) Perylene-d12	15.539	264	159435	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	539704	109.365	ng	0.01
7) Phenol-d6	6.504	99	597384	102.605	ng	0.00
23) Nitrobenzene-d5	7.439	82	442222	77.629	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	218652	126.914	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	948871	74.455	ng	-0.01
79) Terphenyl-d14	12.992	244	869884	83.079	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	60297	17.807	ng	# 75
25) Isophorone	7.439	82	442219	48.392	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	21139	8.882	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	21139	6.687	ng	# 27
67) 4-Bromophenyl-phenylether	10.710	248	13868	4.279	ng	# 1
77) Benzidine	12.992	184	10910	2.007	ng	# 95

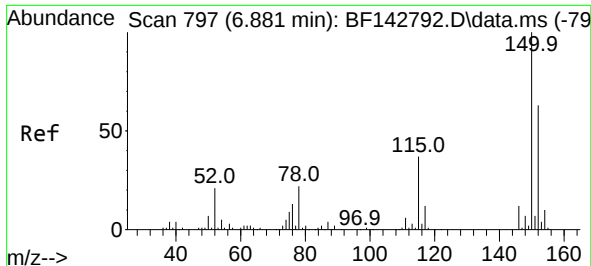
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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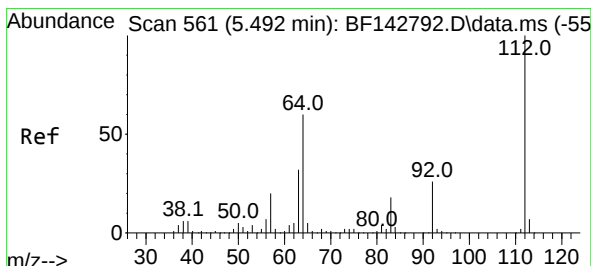
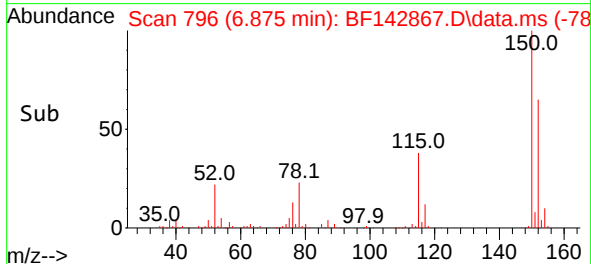
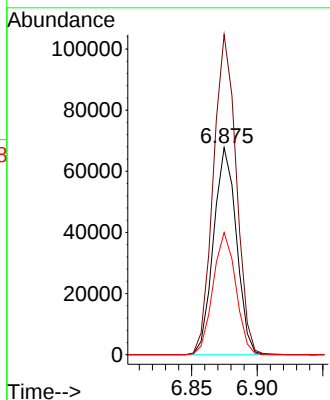
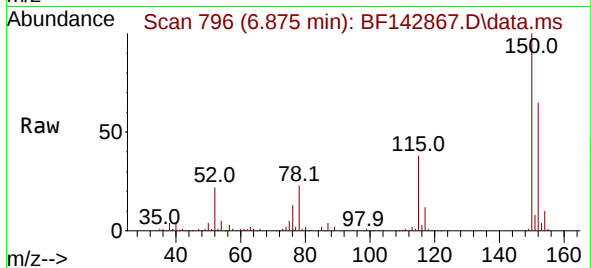




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF142867.D
Acq: 26 Jun 2025 14:37

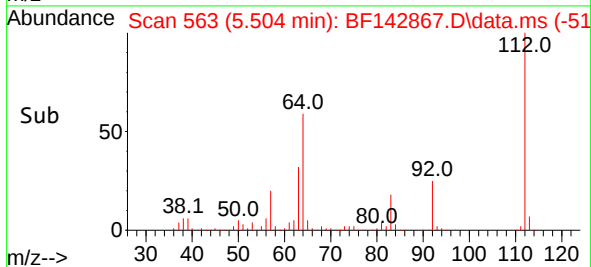
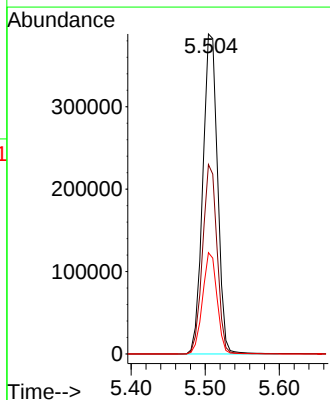
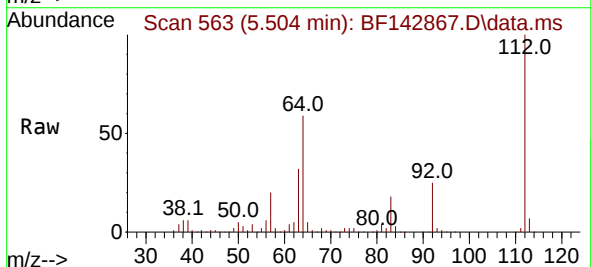
Instrument :
BNA_F
ClientSampleId :
TP-13

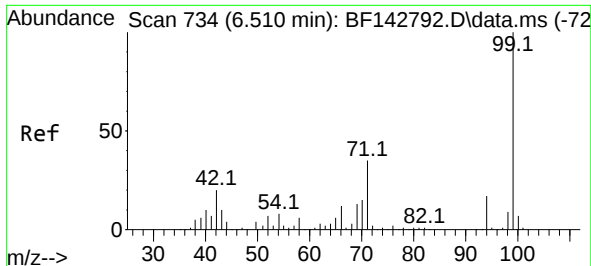
Tgt Ion:152 Resp: 82162
Ion Ratio Lower Upper
152 100
150 154.5 127.2 190.8
115 59.0 46.6 69.8



#5
2-Fluorophenol
Concen: 109.365 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF142867.D
Acq: 26 Jun 2025 14:37

Tgt Ion:112 Resp: 539704
Ion Ratio Lower Upper
112 100
64 59.2 48.2 72.2
63 31.7 25.7 38.5

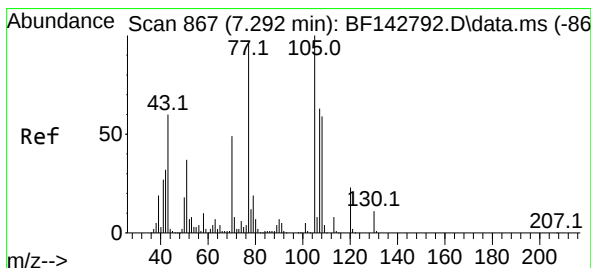
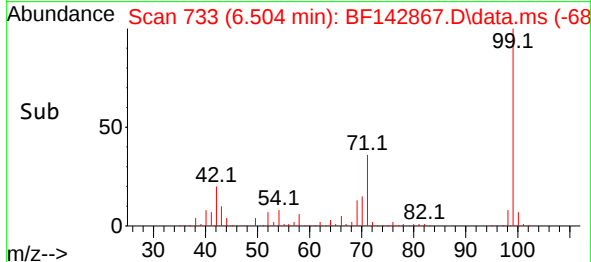
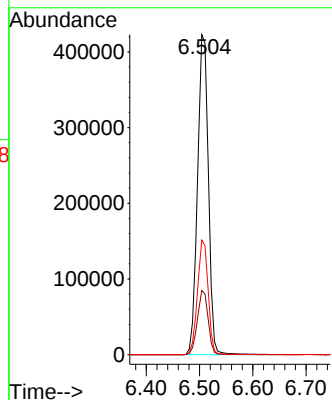
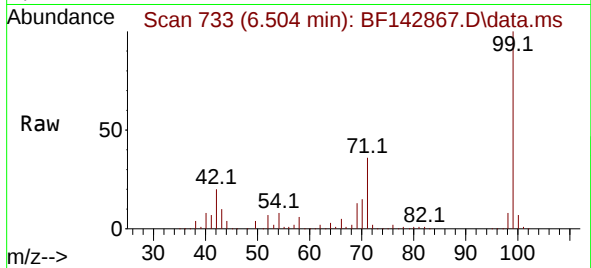




#7
Phenol-d6
Concen: 102.605 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142867.D
Acq: 26 Jun 2025 14:37

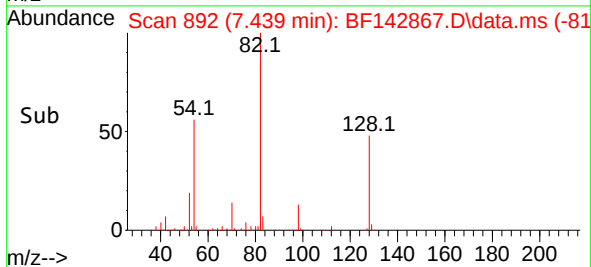
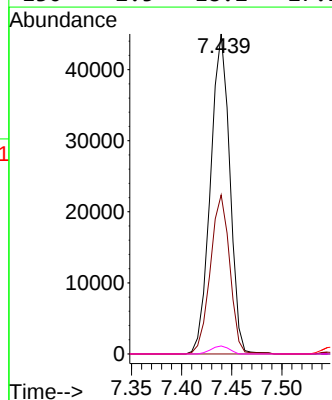
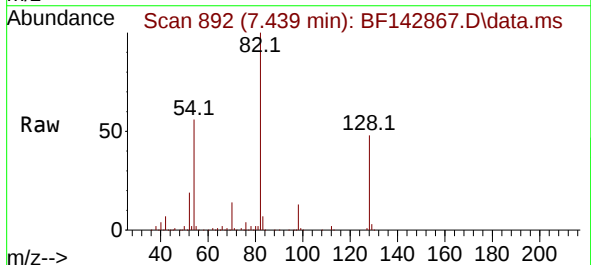
Instrument :
BNA_F
ClientSampleId :
TP-13

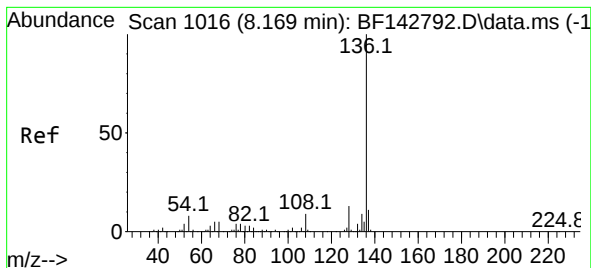
Tgt Ion: 99 Resp: 597384
Ion Ratio Lower Upper
99 100
42 20.1 15.9 23.9
71 35.8 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 17.807 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.147 min
Lab File: BF142867.D
Acq: 26 Jun 2025 14:37

Tgt Ion: 70 Resp: 60297
Ion Ratio Lower Upper
70 100
42 49.7 52.1 78.1#
101 0.0 8.2 12.2#
130 2.5 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: BF142867.D

Acq: 26 Jun 2025 14:37

Instrument :

BNA_F

ClientSampleId :

TP-13

Tgt Ion:136 Resp: 312463

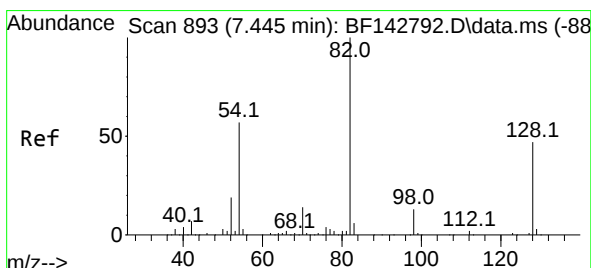
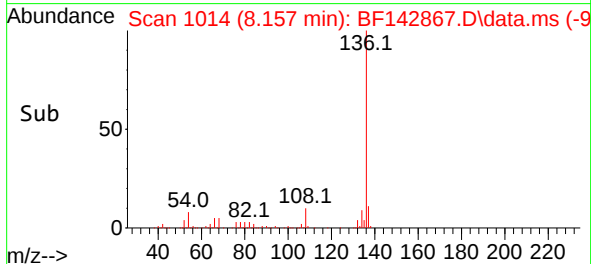
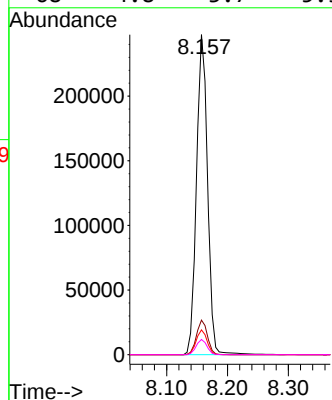
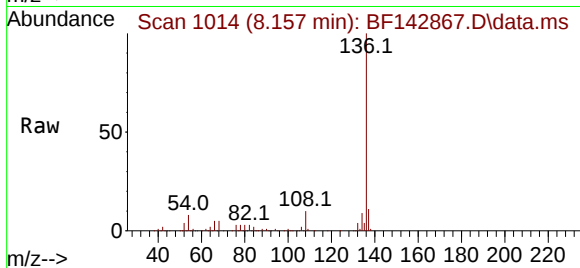
Ion Ratio Lower Upper

136 100

137 10.8 8.4 12.6

54 7.7 6.3 9.5

68 4.8 3.7 5.5



#23

Nitrobenzene-d5

Concen: 77.629 ng

RT: 7.439 min Scan# 892

Delta R.T. -0.006 min

Lab File: BF142867.D

Acq: 26 Jun 2025 14:37

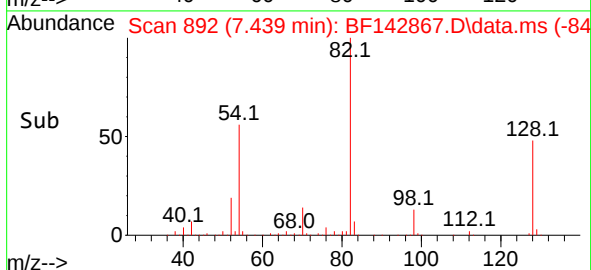
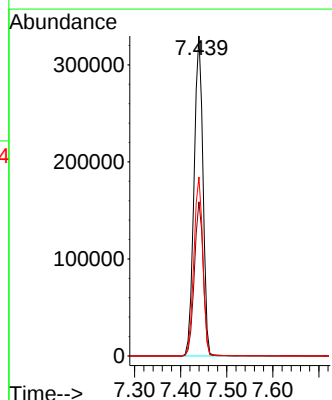
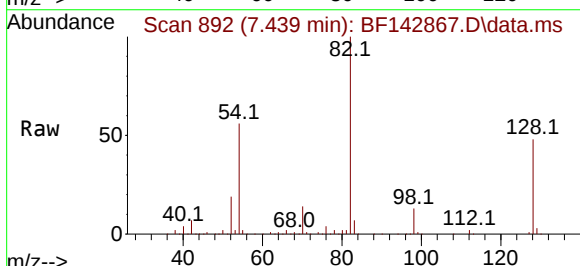
Tgt Ion: 82 Resp: 442222

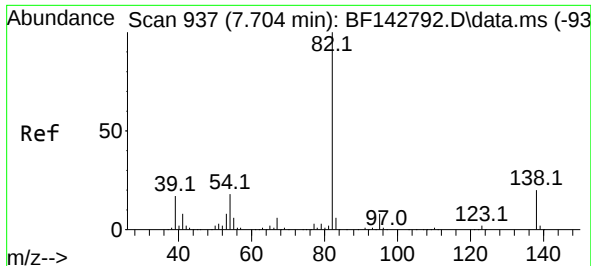
Ion Ratio Lower Upper

82 100

128 48.2 37.7 56.5

54 55.9 45.7 68.5

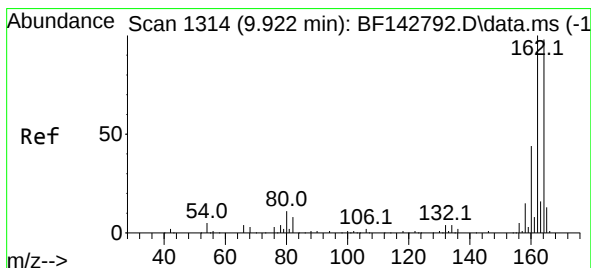
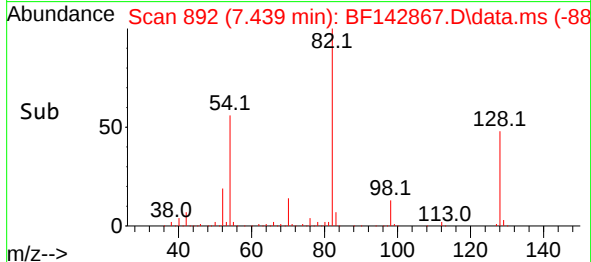
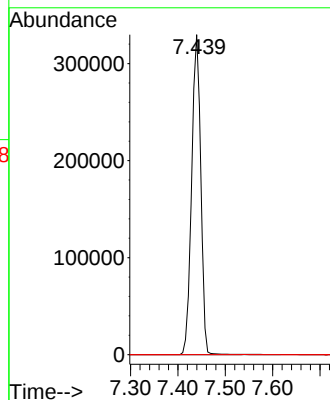
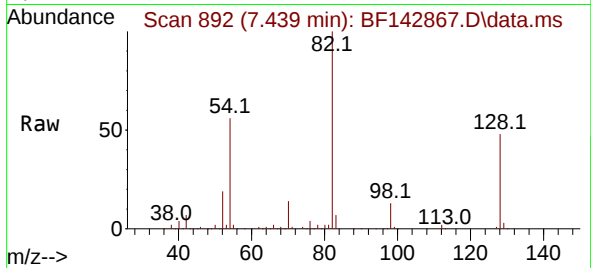




#25
Isophorone
Concen: 48.392 ng
RT: 7.439 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF142867.D
Acq: 26 Jun 2025 14:37

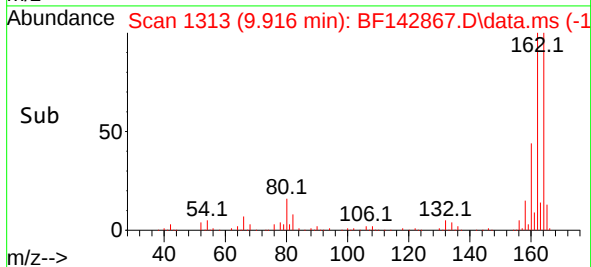
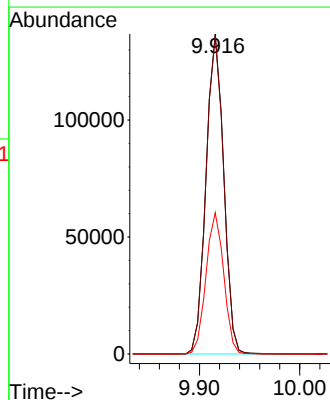
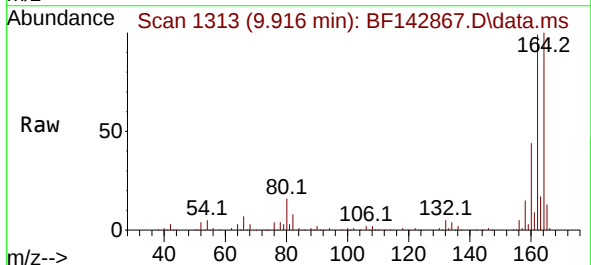
Instrument :
BNA_F
ClientSampleId :
TP-13

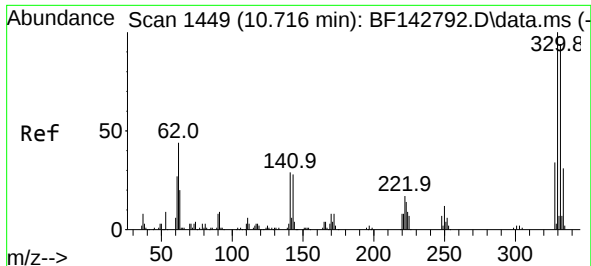
Tgt Ion: 82 Resp: 442219
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142867.D
Acq: 26 Jun 2025 14:37

Tgt Ion:164 Resp: 167417
Ion Ratio Lower Upper
164 100
162 99.3 81.8 122.8
160 44.2 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 126.914 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF142867.D

Acq: 26 Jun 2025 14:37

Instrument :

BNA_F

ClientSampleId :

TP-13

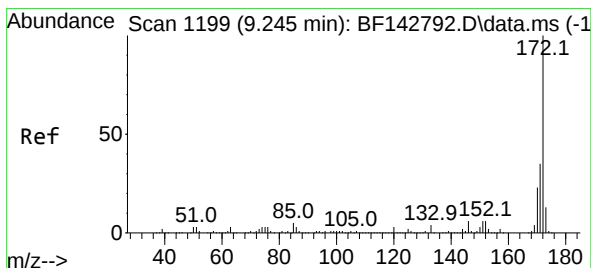
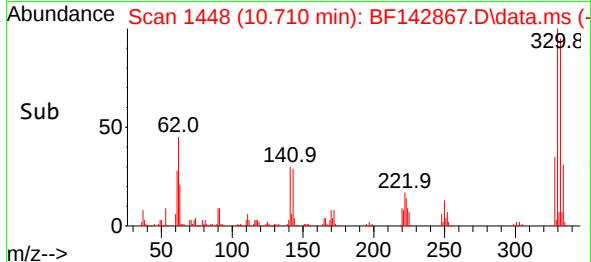
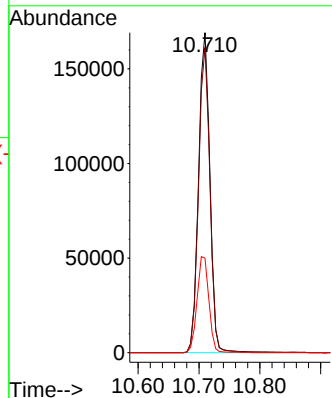
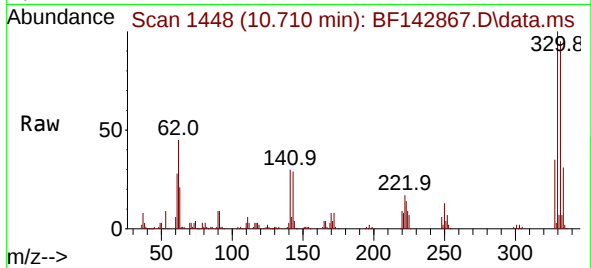
Tgt Ion:330 Resp: 218652

Ion Ratio Lower Upper

330 100

332 95.5 75.0 112.6

141 31.3 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 74.455 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF142867.D

Acq: 26 Jun 2025 14:37

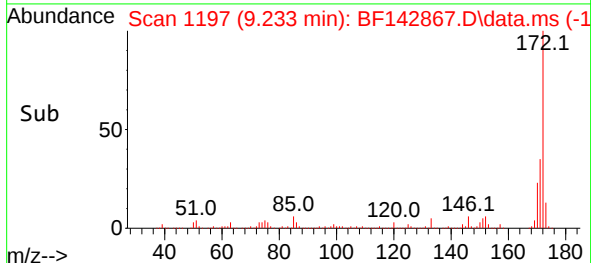
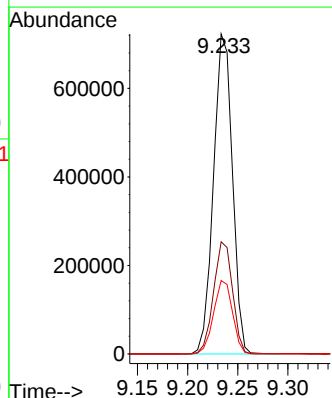
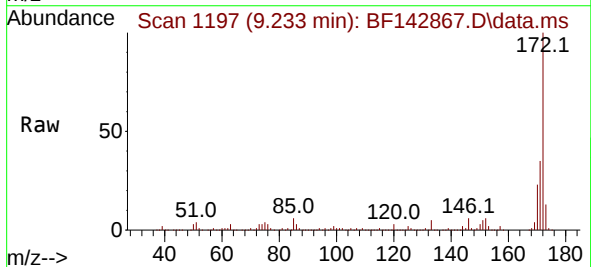
Tgt Ion:172 Resp: 948871

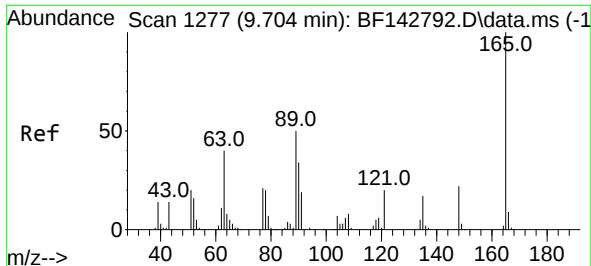
Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.4

170 23.0 18.5 27.7

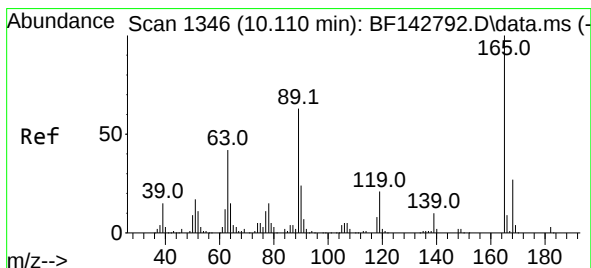
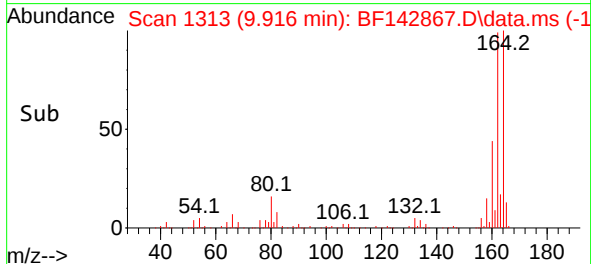
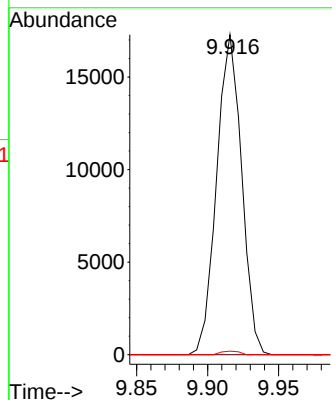
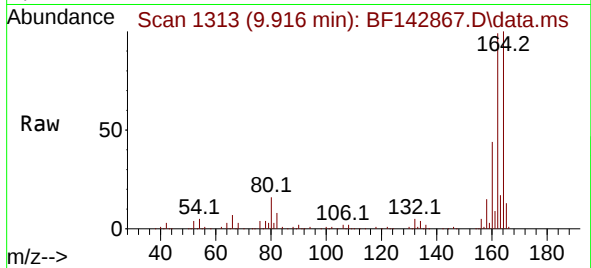




#51
2,6-Dinitrotoluene
Concen: 8.882 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142867.D
Acq: 26 Jun 2025 14:37

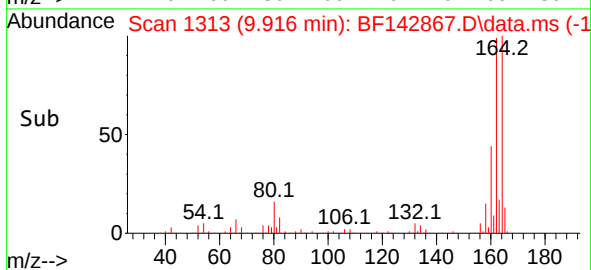
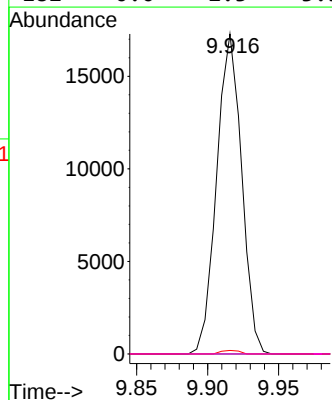
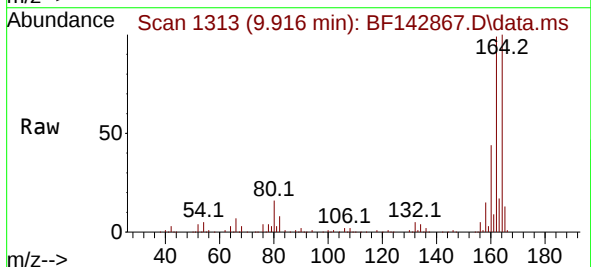
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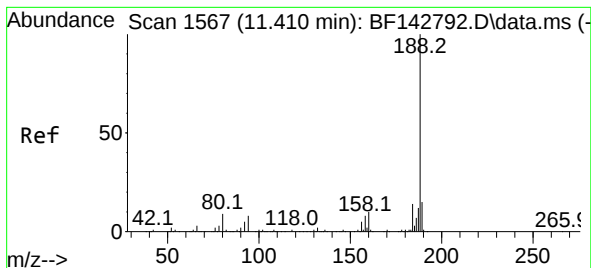
Tgt Ion:165 Resp: 21139
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 1.1 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.687 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.194 min
Lab File: BF142867.D
Acq: 26 Jun 2025 14:37

Tgt Ion:165 Resp: 21139
Ion Ratio Lower Upper
165 100
63 0.0 33.9 50.9#
89 1.1 50.6 75.8#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142867.D

Acq: 26 Jun 2025 14:37

Instrument :

BNA_F

ClientSampleId :

TP-13

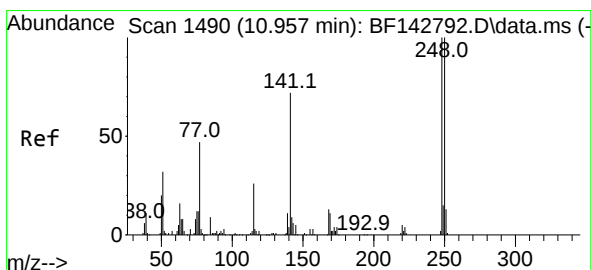
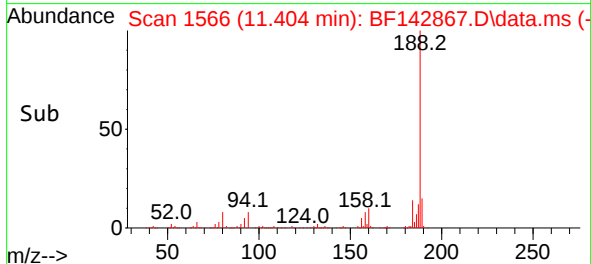
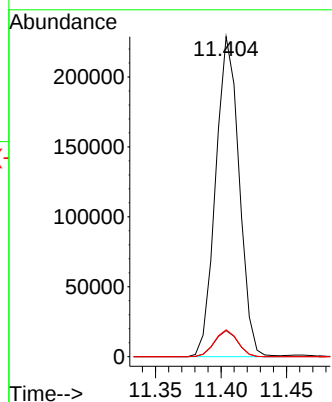
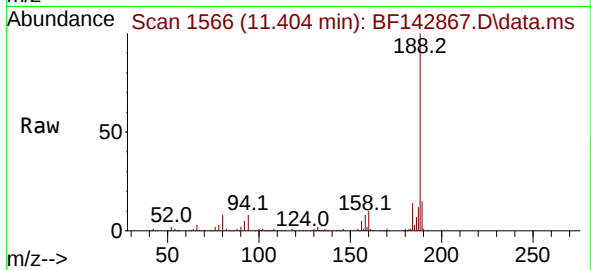
Tgt Ion:188 Resp: 284793

Ion Ratio Lower Upper

188 100

94 8.2 6.7 10.1

80 8.4 6.9 10.3



#67

4-Bromophenyl-phenylether

Concen: 4.279 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.247 min

Lab File: BF142867.D

Acq: 26 Jun 2025 14:37

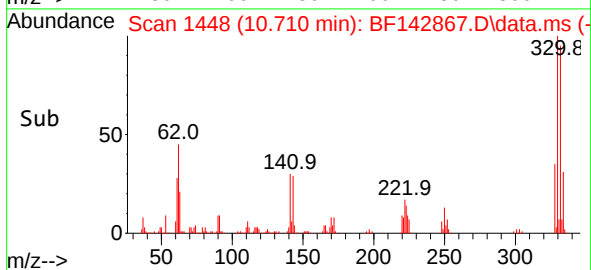
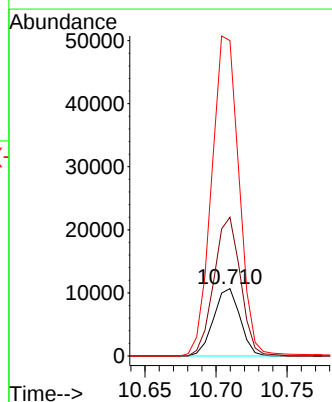
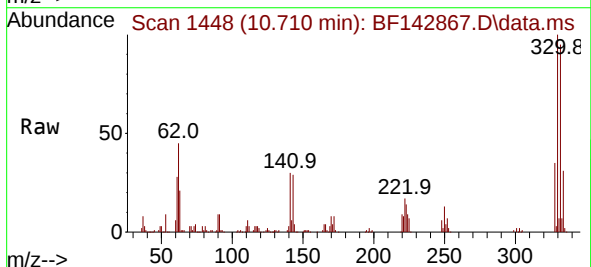
Tgt Ion:248 Resp: 13868

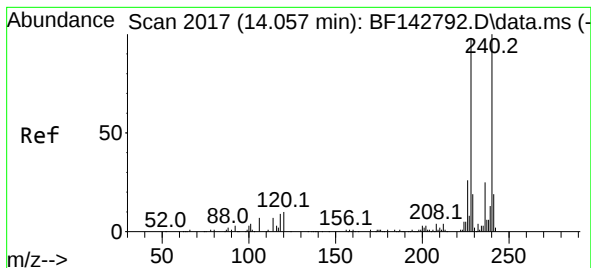
Ion Ratio Lower Upper

248 100

250 206.1 79.8 119.8#

141 468.4 57.8 86.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142867.D

Acq: 26 Jun 2025 14:37

Instrument :

BNA_F

ClientSampleId :

TP-13

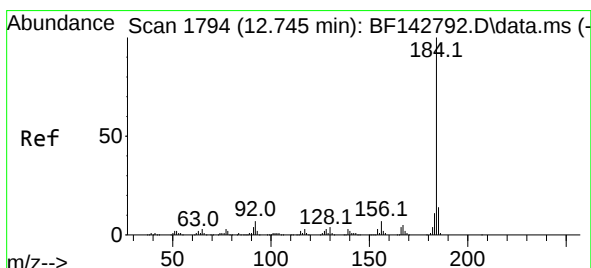
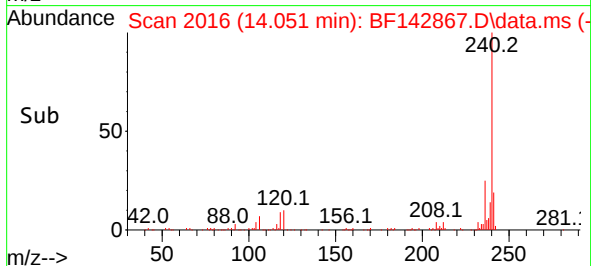
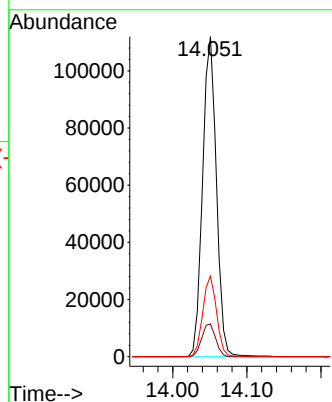
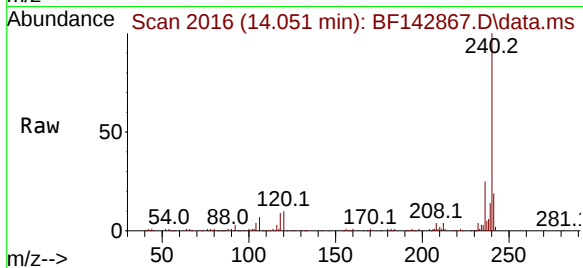
Tgt Ion:240 Resp: 144672

Ion Ratio Lower Upper

240 100

120 10.3 8.2 12.2

236 25.2 19.8 29.8



#77

Benzidine

Concen: 2.007 ng

RT: 12.992 min Scan# 1836

Delta R.T. 0.247 min

Lab File: BF142867.D

Acq: 26 Jun 2025 14:37

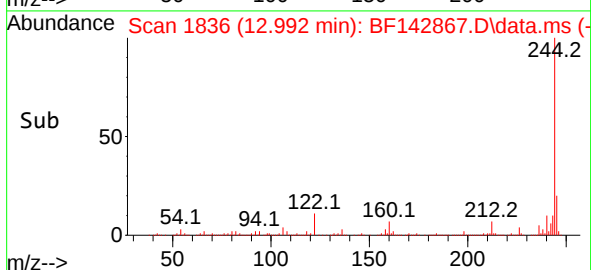
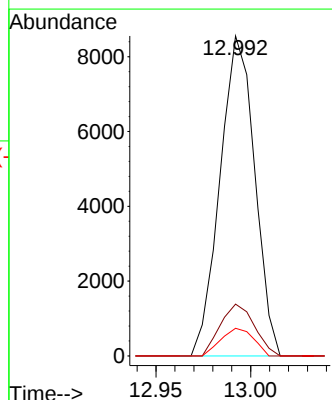
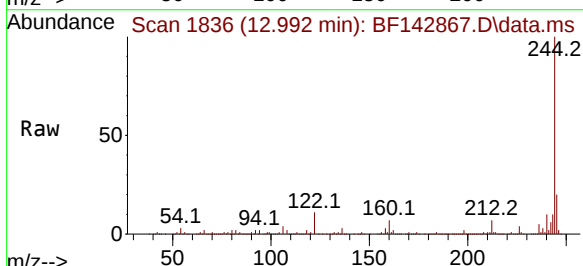
Tgt Ion:184 Resp: 10910

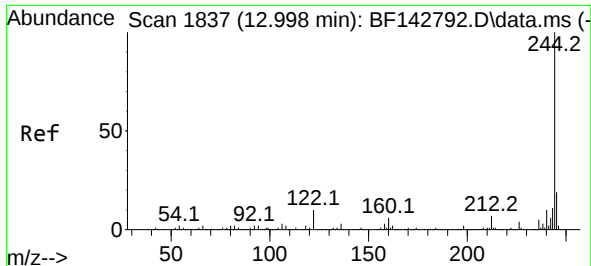
Ion Ratio Lower Upper

184 100

185 16.2 11.5 17.3

183 8.7 9.0 13.4#

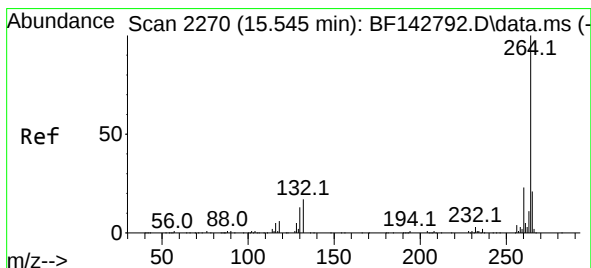
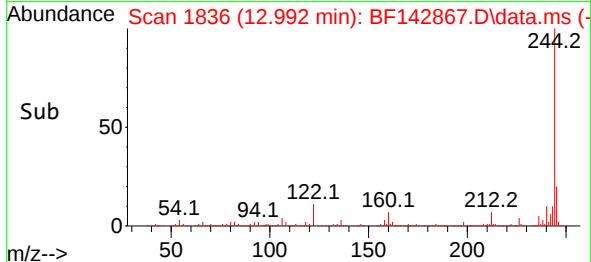
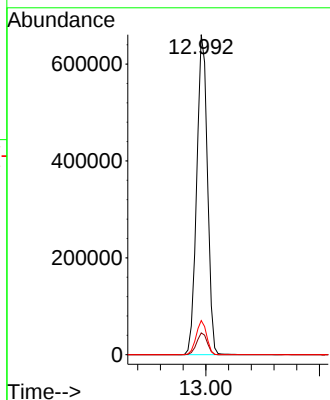
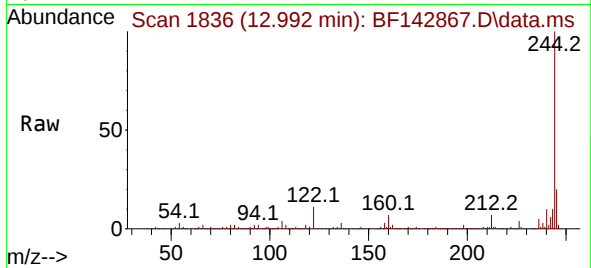




#79
 Terphenyl-d14
 Concen: 83.079 ng
 RT: 12.992 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF142867.D
 Acq: 26 Jun 2025 14:37

Instrument :
 BNA_F
 ClientSampleId :
 TP-13

Tgt Ion:244 Resp: 869884
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 10.6 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 2269
 Delta R.T. -0.006 min
 Lab File: BF142867.D
 Acq: 26 Jun 2025 14:37

Tgt Ion:264 Resp: 159435
 Ion Ratio Lower Upper
 264 100
 260 22.9 18.1 27.1
 265 21.9 16.6 25.0

