

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091025\
 Data File : BF143690.D
 Acq On : 09 Sep 2025 17:58
 Operator : RC/JU
 Sample : PB169499BL
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 09 18:50:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 09 15:20:16 2025
 Response via : Initial Calibration

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

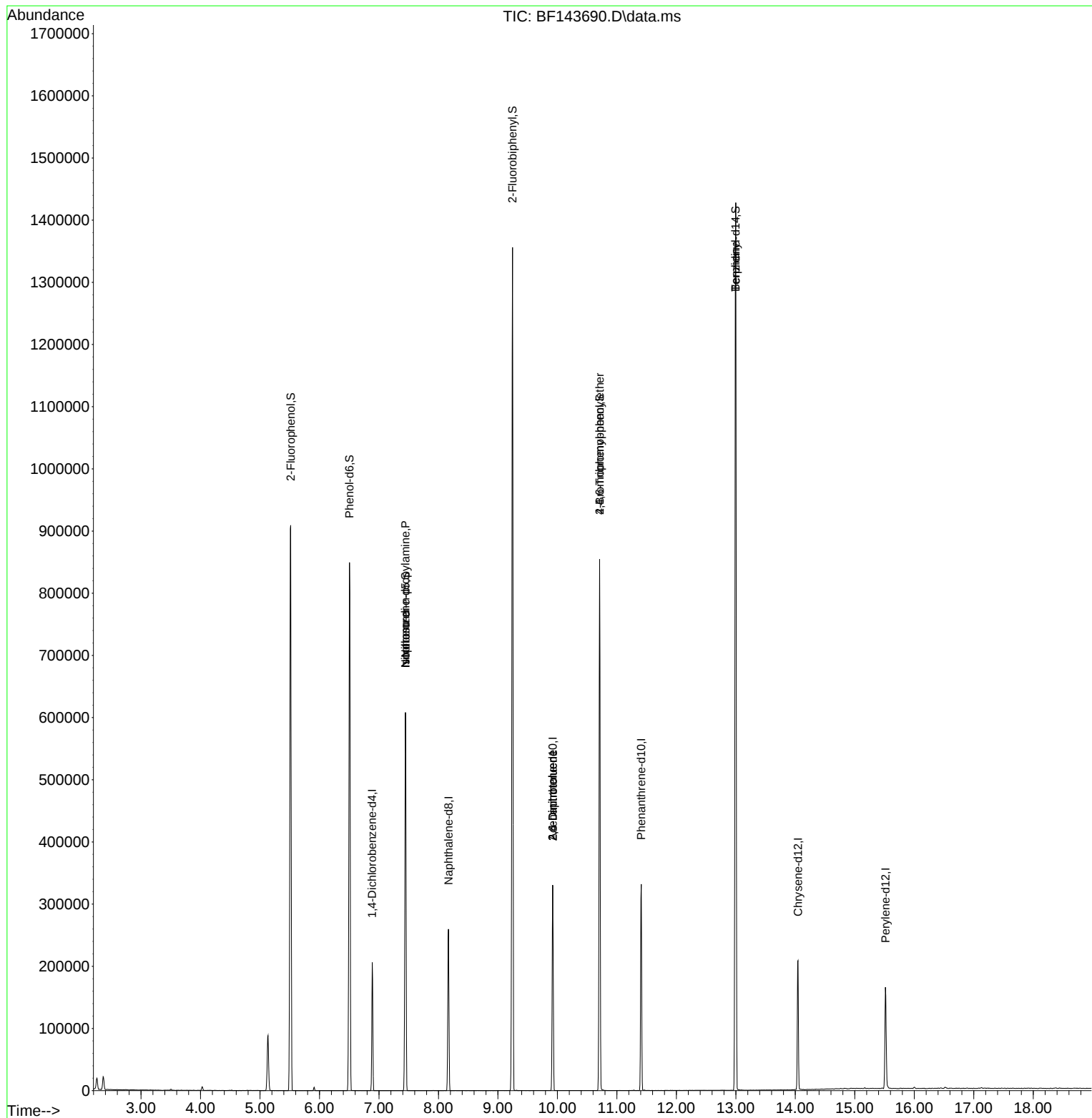
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	45248	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	175656	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	103818	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	177943	20.000	ng	0.00
76) Chrysene-d12	14.045	240	109006	20.000	ng	0.00
86) Perylene-d12	15.515	264	101319	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	392424	147.969	ng	0.02
7) Phenol-d6	6.504	99	472670	146.376	ng	0.00
23) Nitrobenzene-d5	7.445	82	294793	104.388	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	160633	153.532	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	672233	97.814	ng	0.00
79) Terphenyl-d14	12.998	244	757777	112.654	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	38416	19.370	ng	# 81
25) Isophorone	7.445	82	294026	54.297	ng	# 64
51) 2,6-Dinitrotoluene	9.922	165	13123	10.161	ng	# 27
57) 2,4-Dinitrotoluene	9.922	165	13123	7.466	ng	# 27
67) 4-Bromophenyl-phenylether	10.710	248	10329	4.814	ng	# 1
77) Benzidine	12.998	184	8210	2.310	ng	# 91

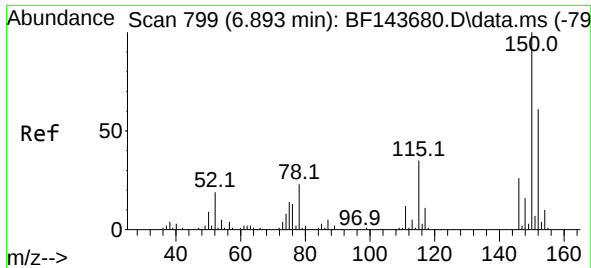
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091025\
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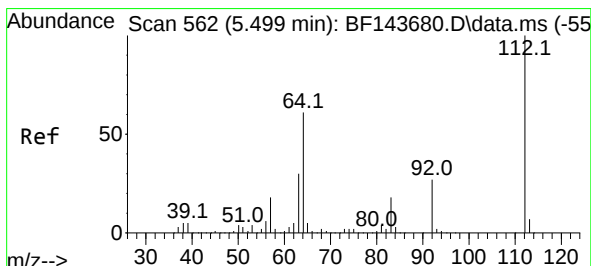
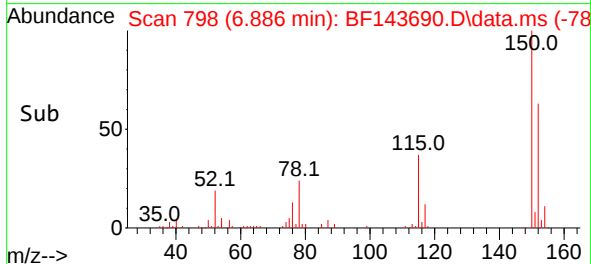
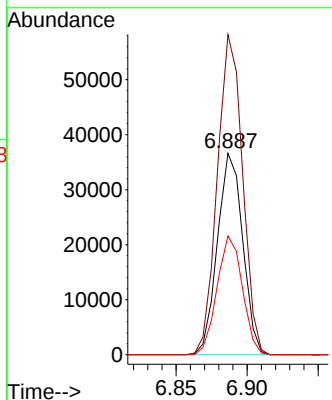
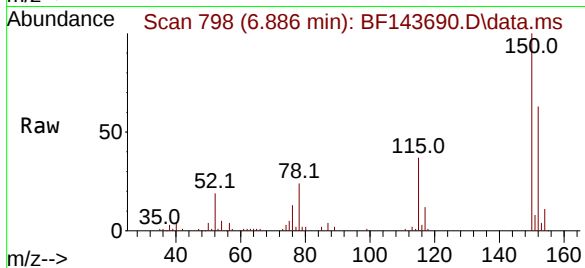




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.886 min Scan# 799
 Delta R.T. -0.006 min
 Lab File: BF143690.D
 Acq: 09 Sep 2025 17:58

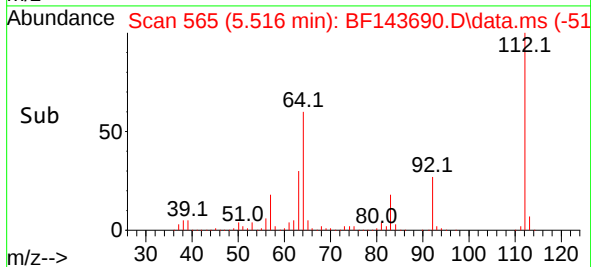
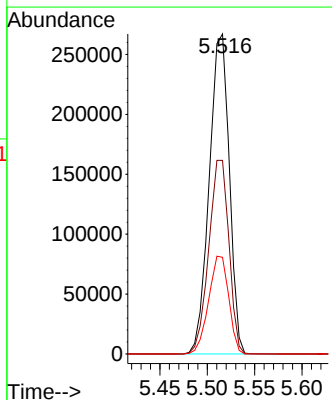
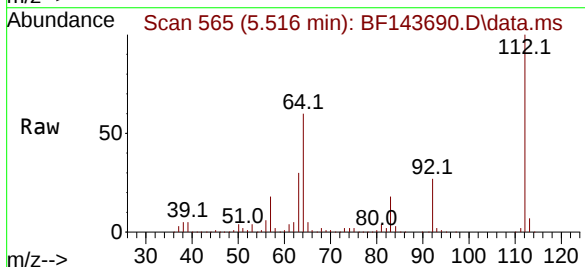
Instrument :
 BNA_F
 ClientSampleId :

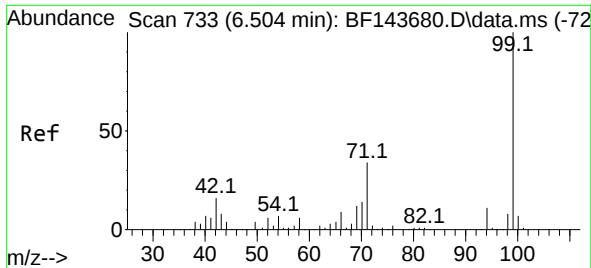
Tgt Ion:152 Resp: 45248
 Ion Ratio Lower Upper
 152 100
 150 158.9 130.7 196.1
 115 59.0 45.9 68.9



#5
 2-Fluorophenol
 Concen: 147.969 ng
 RT: 5.516 min Scan# 565
 Delta R.T. 0.017 min
 Lab File: BF143690.D
 Acq: 09 Sep 2025 17:58

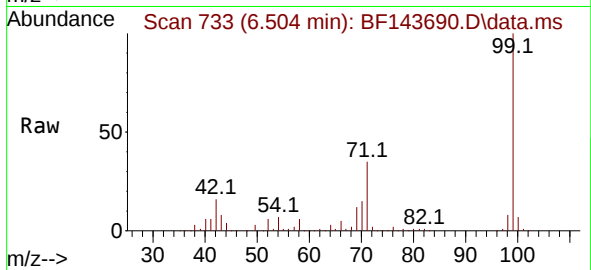
Tgt Ion:112 Resp: 392424
 Ion Ratio Lower Upper
 112 100
 64 60.5 49.0 73.4
 63 30.2 24.3 36.5



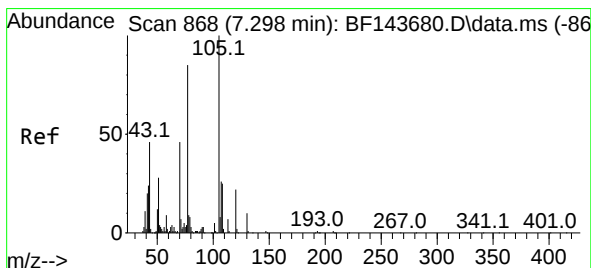
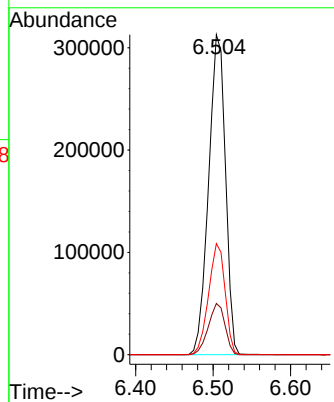
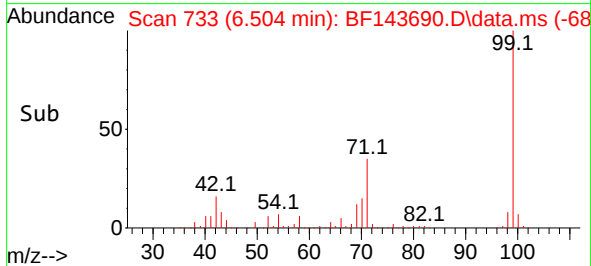


#7
Phenol-d6
Concen: 146.376 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF143690.D
Acq: 09 Sep 2025 17:58

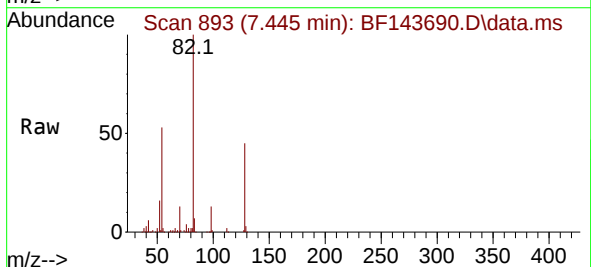
Instrument :
BNA_F
ClientSampleId :



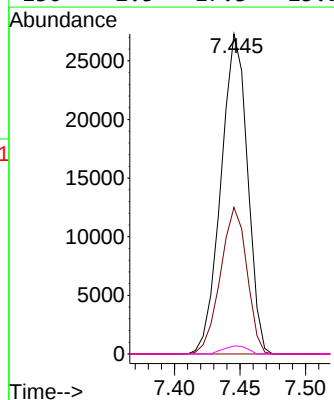
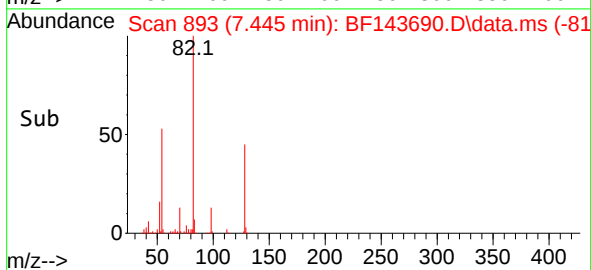
Tgt Ion: 99 Resp: 472670
Ion Ratio Lower Upper
99 100
42 16.0 13.0 19.4
71 34.7 27.4 41.2

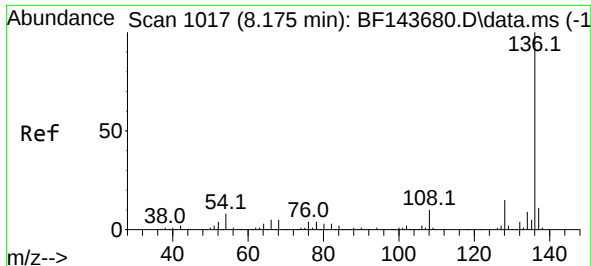


#19
n-Nitroso-di-n-propylamine
Concen: 19.370 ng
RT: 7.445 min Scan# 893
Delta R.T. 0.147 min
Lab File: BF143690.D
Acq: 09 Sep 2025 17:58



Tgt Ion: 70 Resp: 38416
Ion Ratio Lower Upper
70 100
42 45.8 41.4 62.2
101 0.0 8.1 12.1#
130 2.5 17.3 25.9#

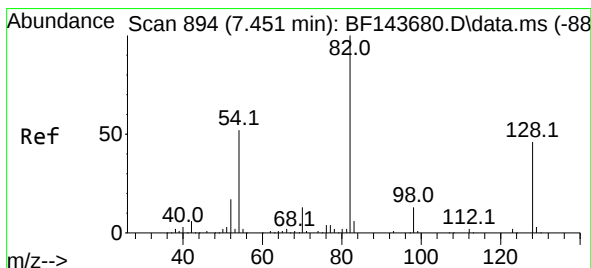
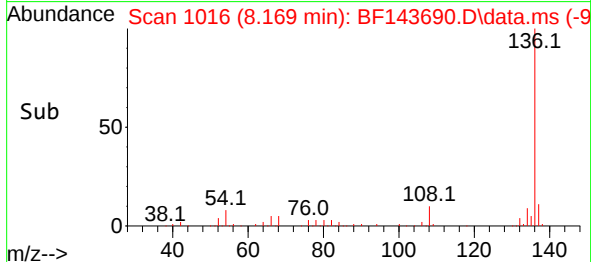
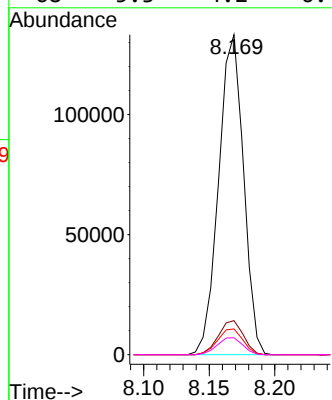
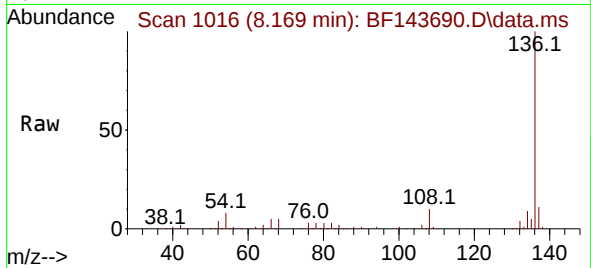




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143690.D
Acq: 09 Sep 2025 17:58

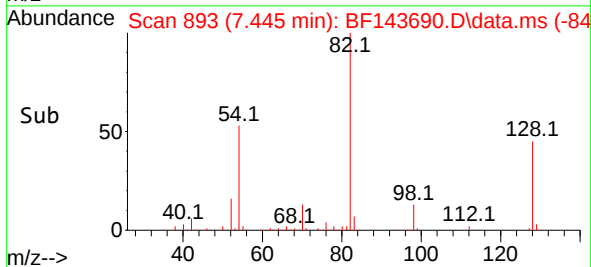
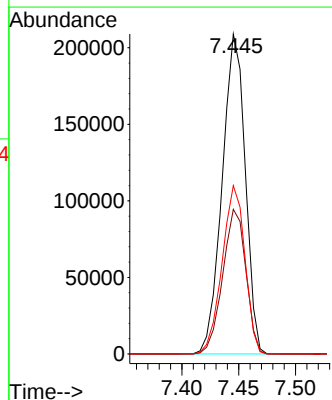
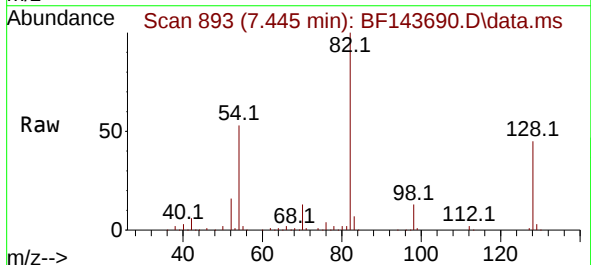
Instrument :
BNA_F
ClientSampleId :

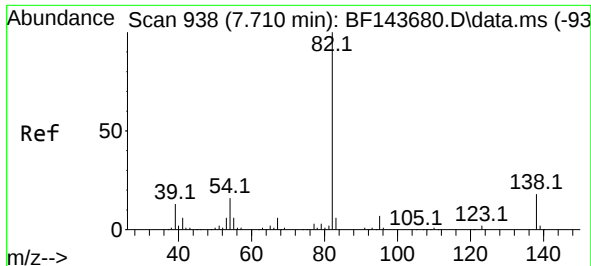
Tgt	Ion:136	Resp:	175656
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	8.0	6.2	9.2
68	5.3	4.2	6.4



#23
Nitrobenzene-d5
Concen: 104.388 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.006 min
Lab File: BF143690.D
Acq: 09 Sep 2025 17:58

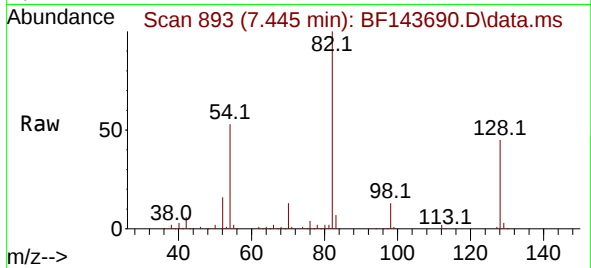
Tgt Ion: 82	Resp: 294793
Ion Ratio	Lower Upper
82 100	
128 45.2	37.0 55.4
54 52.6	41.8 62.8



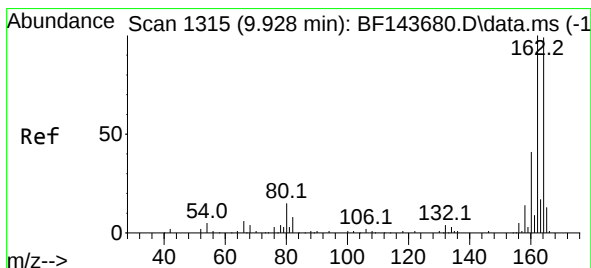
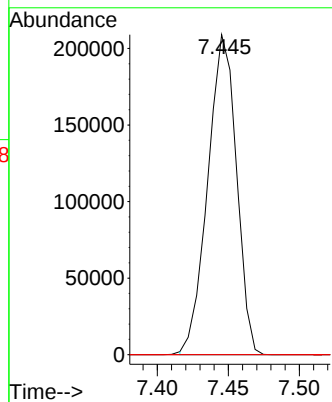
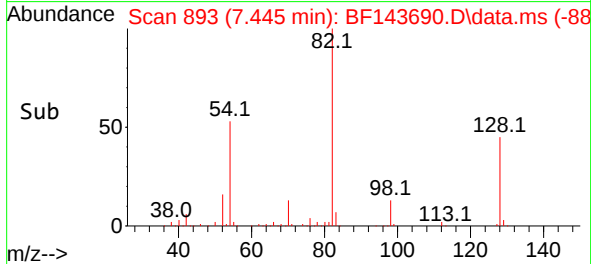


#25
Isophorone
Concen: 54.297 ng
RT: 7.445 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF143690.D
Acq: 09 Sep 2025 17:58

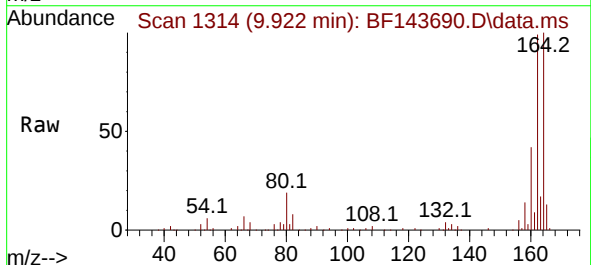
Instrument :
BNA_F
ClientSampleId :



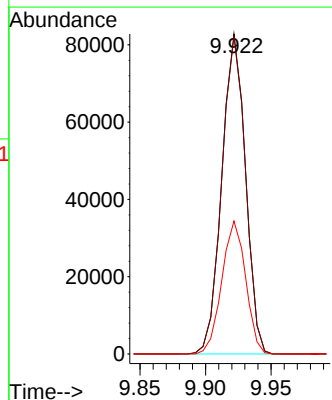
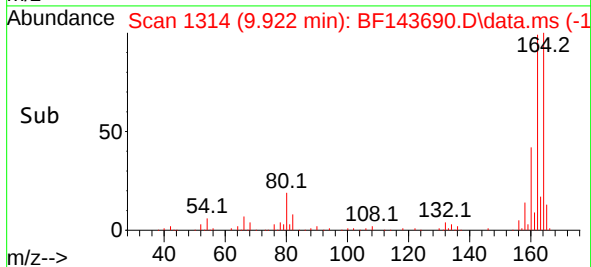
Tgt Ion: 82 Resp: 294026
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.8 22.2#

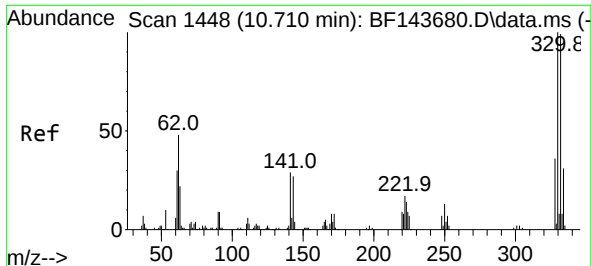


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BF143690.D
Acq: 09 Sep 2025 17:58



Tgt Ion: 164 Resp: 103818
Ion Ratio Lower Upper
164 100
162 99.3 80.6 121.0
160 41.6 33.0 49.4





#42

2,4,6-Tribromophenol

Concen: 153.532 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.000 min

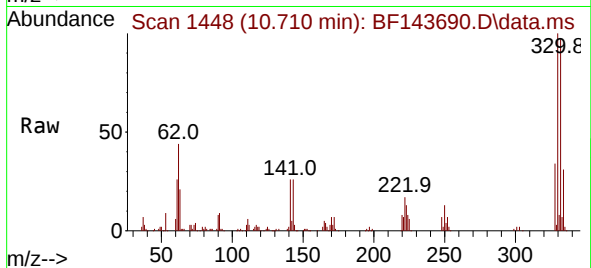
Lab File: BF143690.D

Acq: 09 Sep 2025 17:58

Instrument :

BNA_F

ClientSampleId :



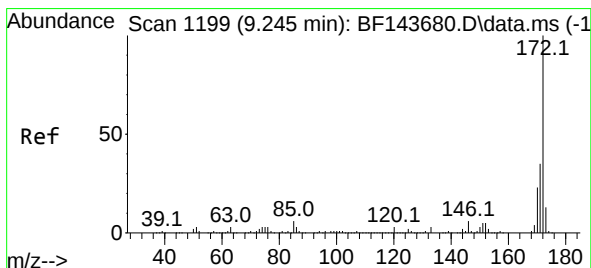
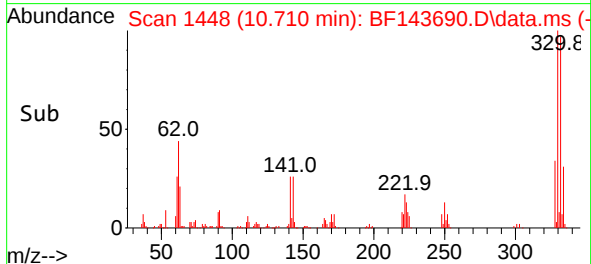
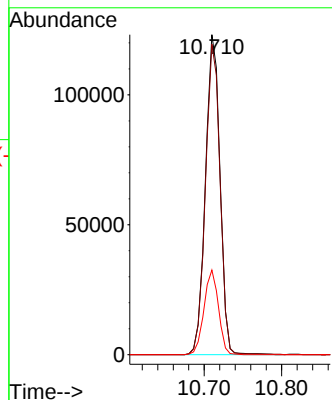
Tgt Ion:330 Resp: 160633

Ion Ratio Lower Upper

330 100

332 97.3 79.2 118.8

141 26.2 22.2 33.4



#45

2-Fluorobiphenyl

Concen: 97.814 ng

RT: 9.245 min Scan# 1199

Delta R.T. -0.000 min

Lab File: BF143690.D

Acq: 09 Sep 2025 17:58

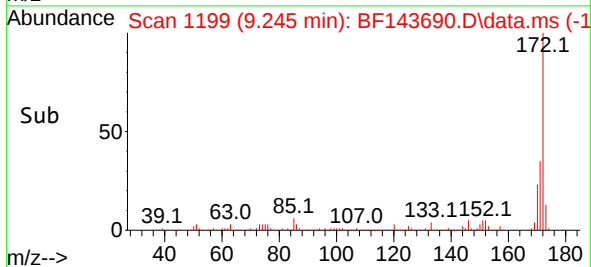
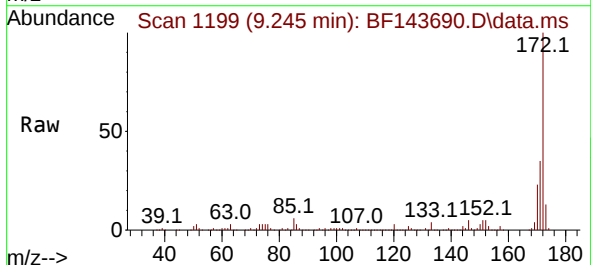
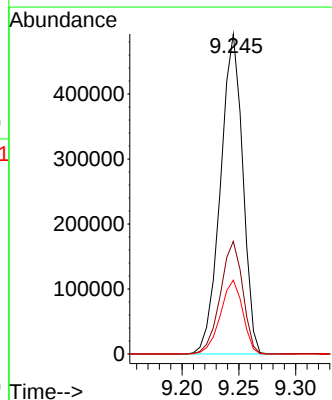
Tgt Ion:172 Resp: 672233

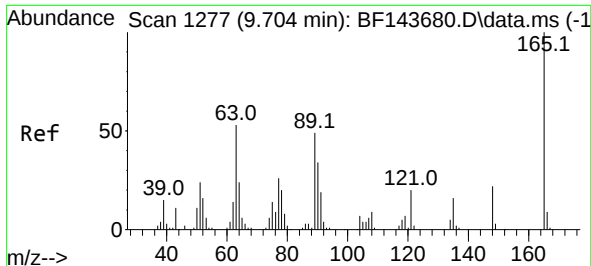
Ion Ratio Lower Upper

172 100

171 35.2 27.9 41.9

170 23.1 18.6 27.8





#51

2,6-Dinitrotoluene

Concen: 10.161 ng

RT: 9.922 min Scan# 1314

Delta R.T. 0.217 min

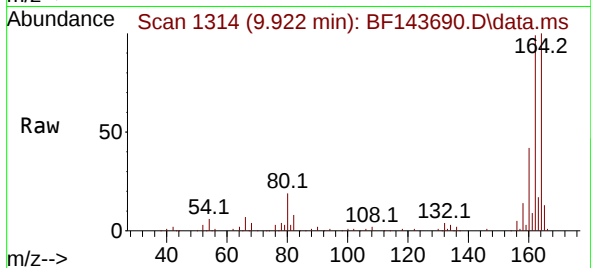
Lab File: BF143690.D

Acq: 09 Sep 2025 17:58

Instrument :

BNA_F

ClientSampleId :



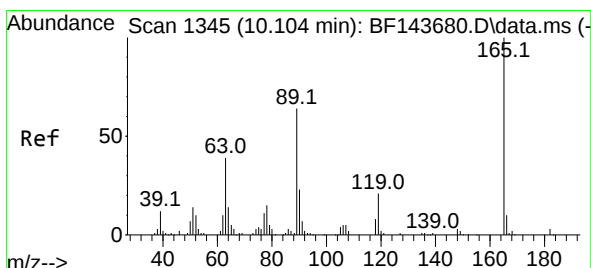
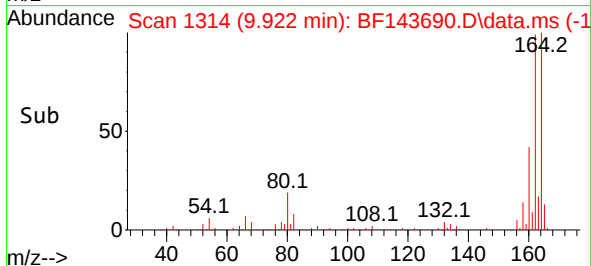
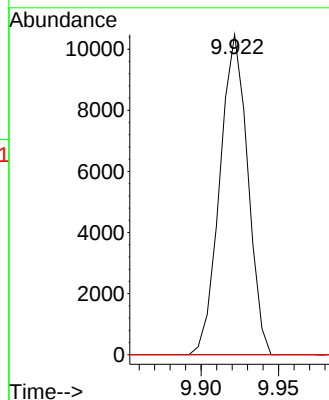
Tgt Ion:165 Resp: 13123

Ion Ratio Lower Upper

165 100

63 0.0 42.2 63.4#

89 0.0 39.3 58.9#



#57

2,4-Dinitrotoluene

Concen: 7.466 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.183 min

Lab File: BF143690.D

Acq: 09 Sep 2025 17:58

Tgt Ion:165 Resp: 13123

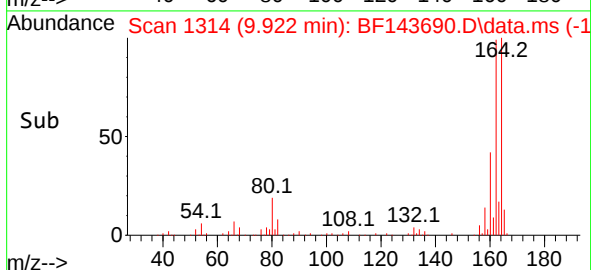
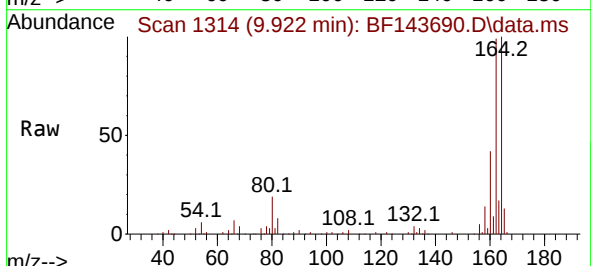
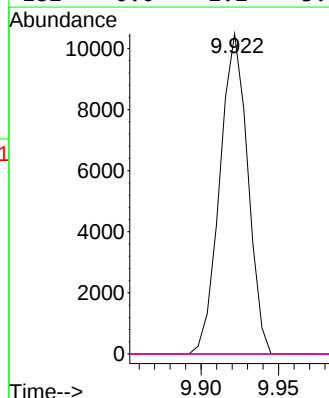
Ion Ratio Lower Upper

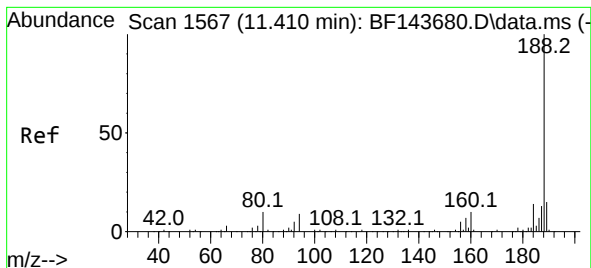
165 100

63 0.0 31.5 47.3#

89 0.0 51.3 76.9#

182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143690.D

Acq: 09 Sep 2025 17:58

Instrument :

BNA_F

ClientSampleId :

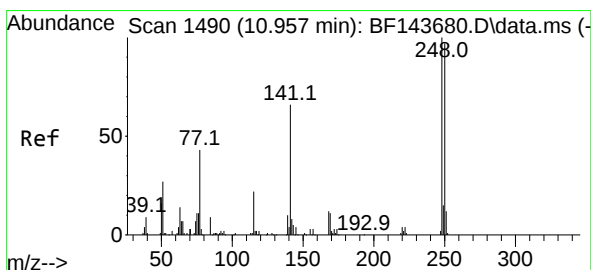
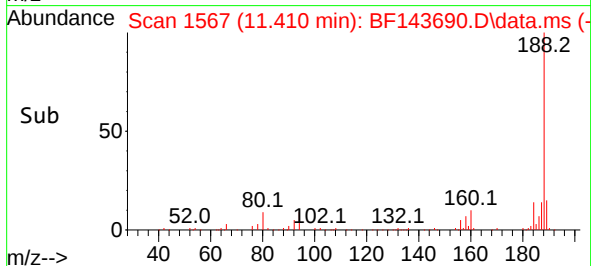
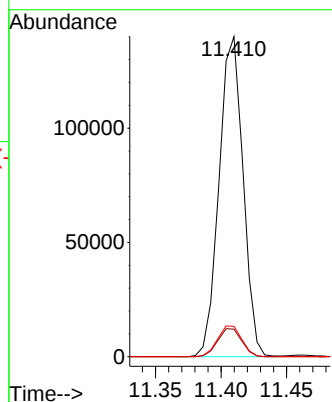
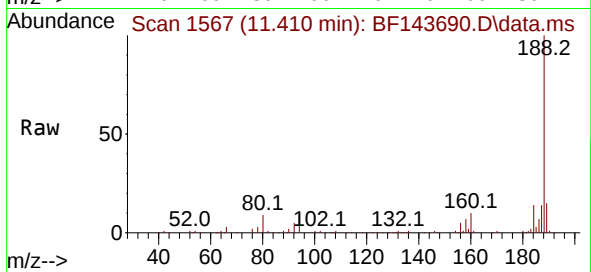
Tgt Ion:188 Resp: 177943

Ion Ratio Lower Upper

188 100

94 8.6 7.4 11.0

80 9.5 7.7 11.5



#67

4-Bromophenyl-phenylether

Concen: 4.814 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.247 min

Lab File: BF143690.D

Acq: 09 Sep 2025 17:58

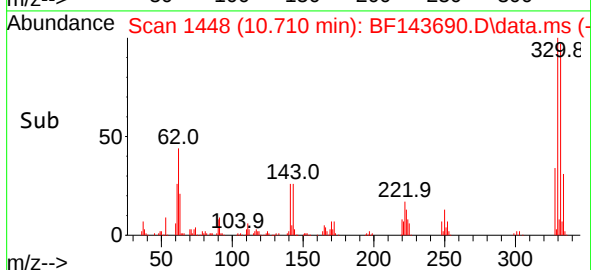
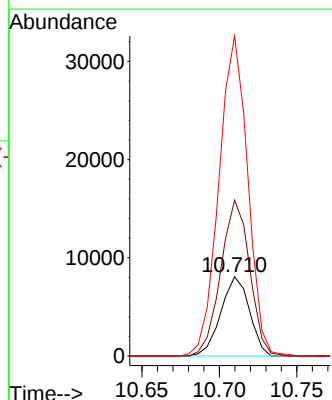
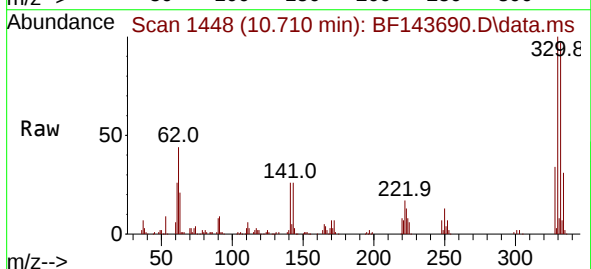
Tgt Ion:248 Resp: 10329

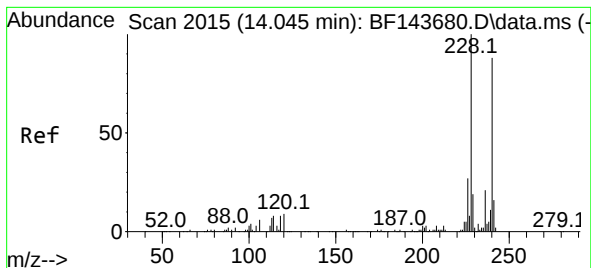
Ion Ratio Lower Upper

248 100

250 196.6 77.5 116.3#

141 403.8 52.6 79.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 20

Delta R.T. -0.000 min

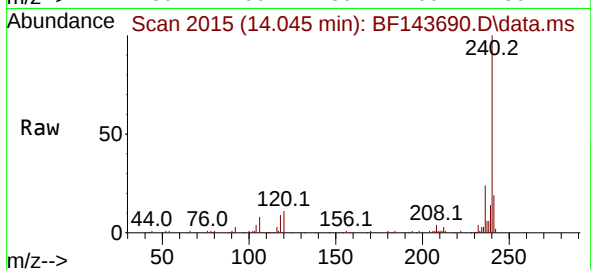
Lab File: BF143690.D

Acq: 09 Sep 2025 17:58

Instrument :

BNA_F

ClientSampleId :



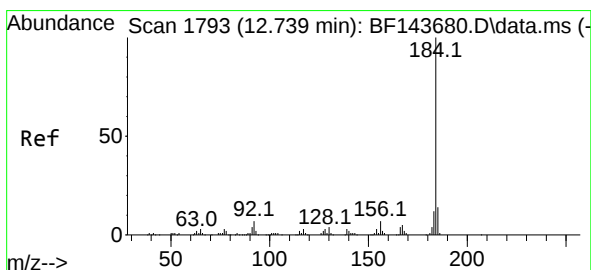
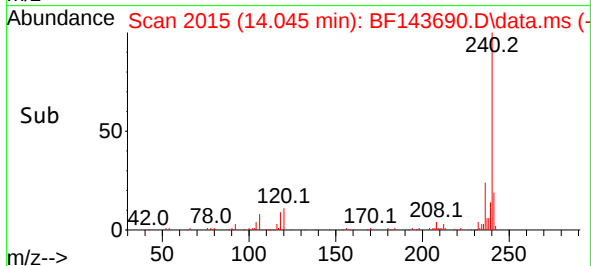
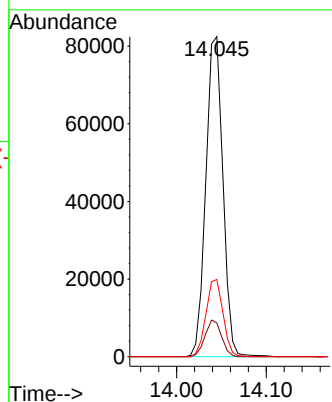
Tgt Ion:240 Resp: 109006

Ion Ratio Lower Upper

240 100

120 10.6 8.4 12.6

236 24.1 18.6 28.0



#77

Benzidine

Concen: 2.310 ng

RT: 12.998 min Scan# 1837

Delta R.T. 0.259 min

Lab File: BF143690.D

Acq: 09 Sep 2025 17:58

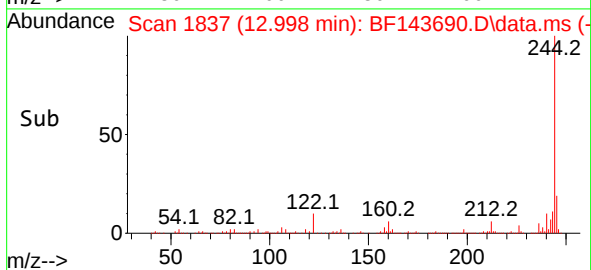
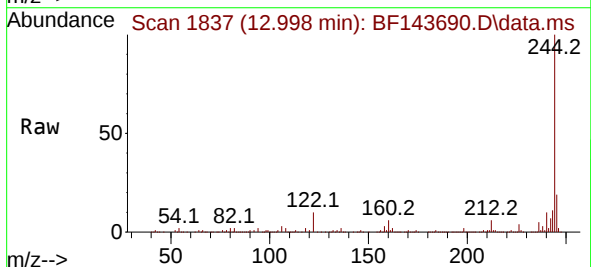
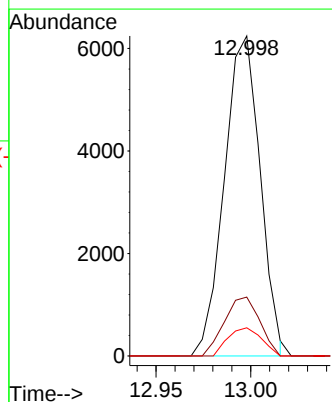
Tgt Ion:184 Resp: 8210

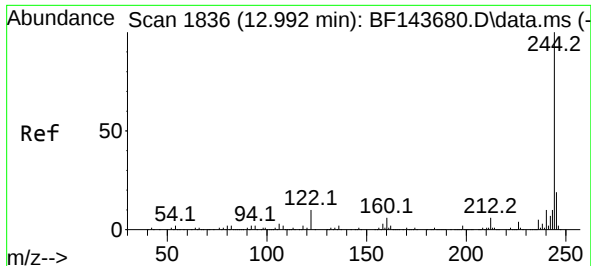
Ion Ratio Lower Upper

184 100

185 18.4 11.5 17.3#

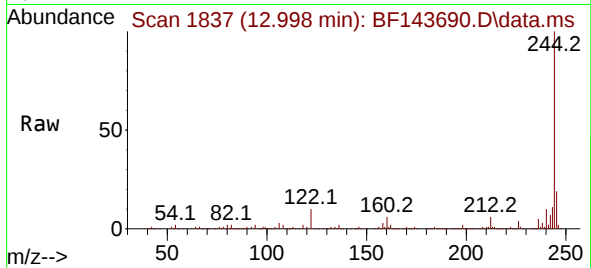
183 8.8 9.4 14.2#



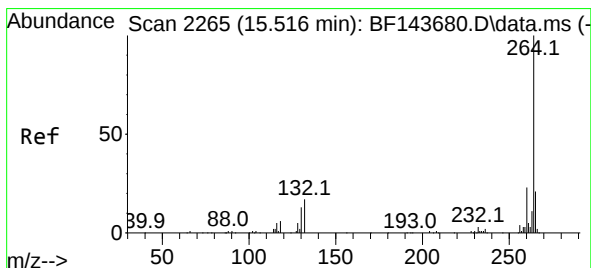
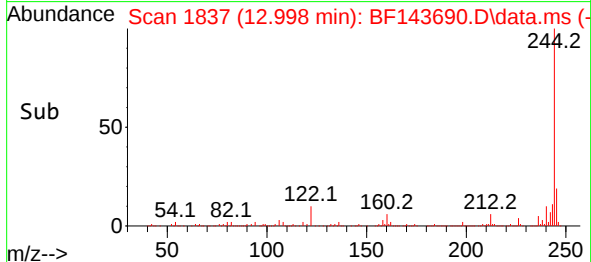
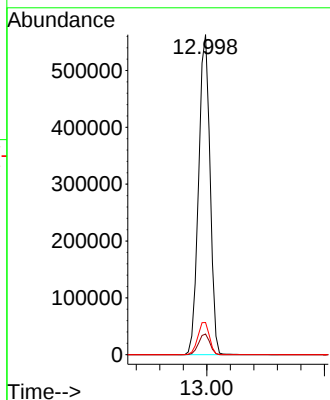


#79
 Terphenyl-d14
 Concen: 112.654 ng
 RT: 12.998 min Scan# 1837
 Delta R.T. 0.006 min
 Lab File: BF143690.D
 Acq: 09 Sep 2025 17:58

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:244 Resp: 757777
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.0 7.6
 122 10.1 7.9 11.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.515 min Scan# 2265
 Delta R.T. -0.000 min
 Lab File: BF143690.D
 Acq: 09 Sep 2025 17:58

Tgt Ion:264 Resp: 101319
 Ion Ratio Lower Upper
 264 100
 260 22.7 18.4 27.6
 265 20.7 17.1 25.7

