

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090825\
 Data File : BF143660.D
 Acq On : 08 Sep 2025 09:50
 Operator : RC/JU
 Sample : PB169499BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 08 11:47:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 03 18:35:49 2025
 Response via : Initial Calibration

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

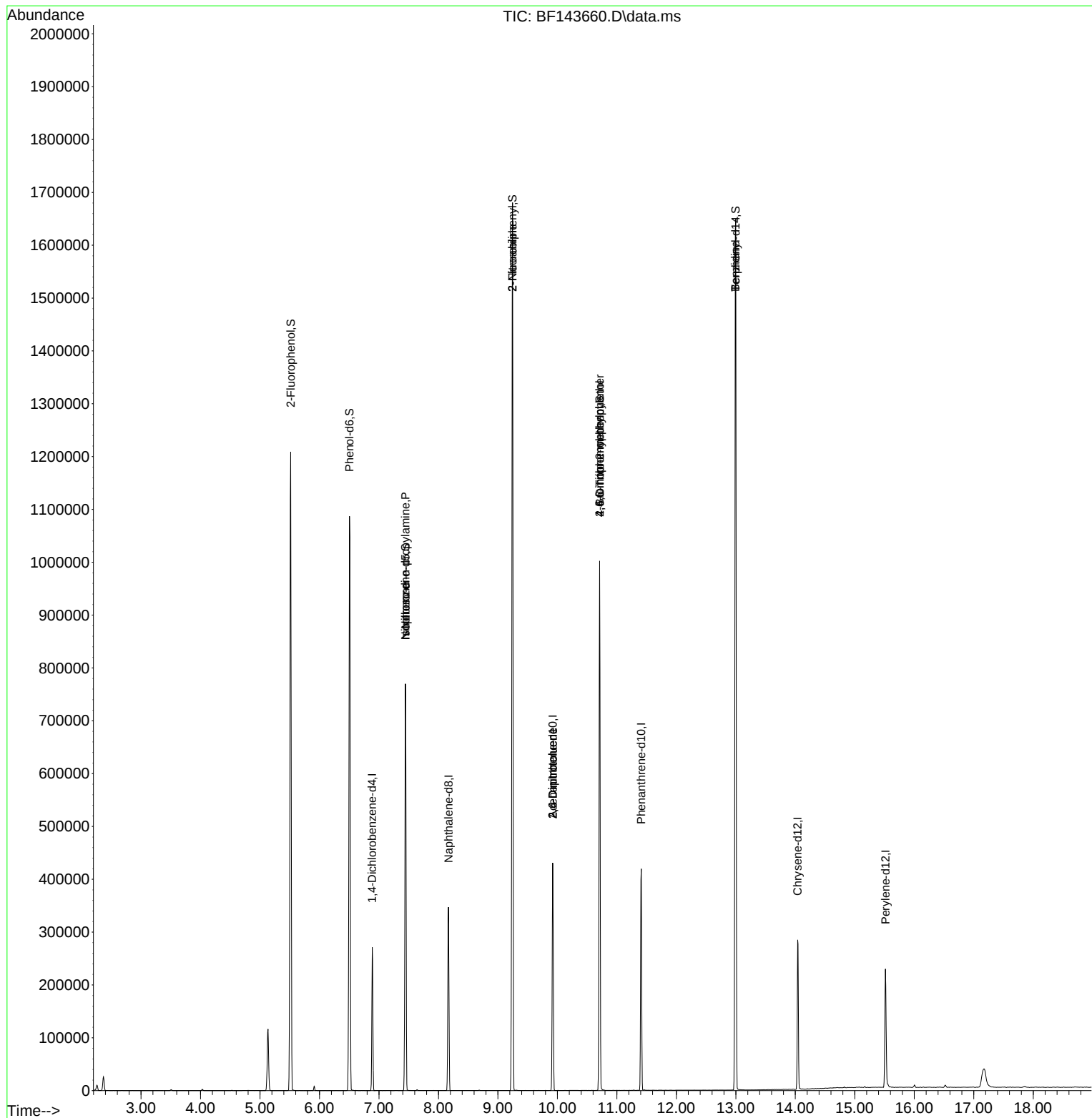
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	60517	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	231537	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	133580	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	225126	20.000	ng	0.00
76) Chrysene-d12	14.039	240	146701	20.000	ng	-0.01
86) Perylene-d12	15.515	264	134883	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	491883	143.993	ng	0.01
7) Phenol-d6	6.504	99	593609	140.009	ng	0.00
23) Nitrobenzene-d5	7.445	82	362621	110.075	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	182231	163.139	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	829709	99.236	ng	0.00
79) Terphenyl-d14	12.998	244	875849	99.479	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	47374	17.546	ng	# 76
25) Isophorone	7.445	82	362091	48.776	ng	# 65
48) 2-Nitroaniline	9.245	65	1295	3.775	ng	# 1
51) 2,6-Dinitrotoluene	9.922	165	16774	13.834	ng	# 25
57) 2,4-Dinitrotoluene	9.922	165	16774	11.274	ng	# 24
65) 4,6-Dinitro-2-methylph...	10.710	198	220	8.725	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	11797	4.518	ng	# 1
77) Benzidine	12.992	184	9954	2.966	ng	# 94

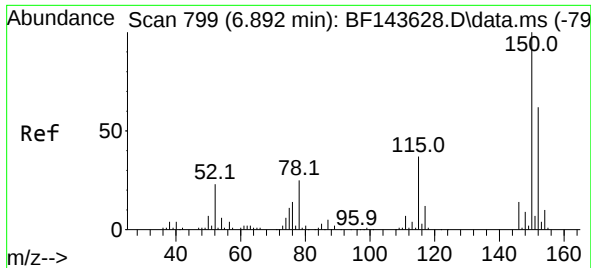
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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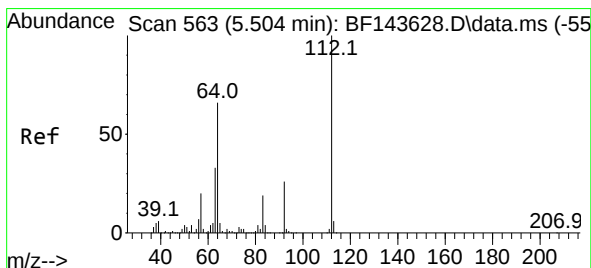
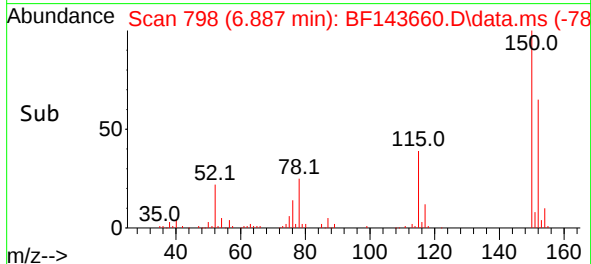
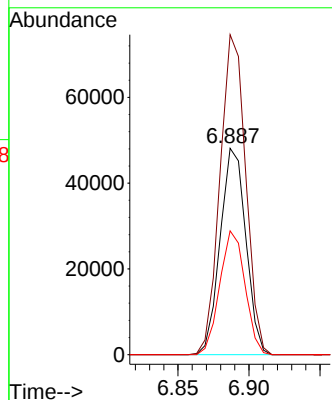
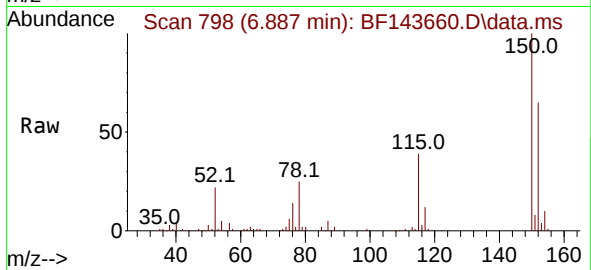




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 799
Delta R.T. -0.005 min
Lab File: BF143660.D
Acq: 08 Sep 2025 09:50

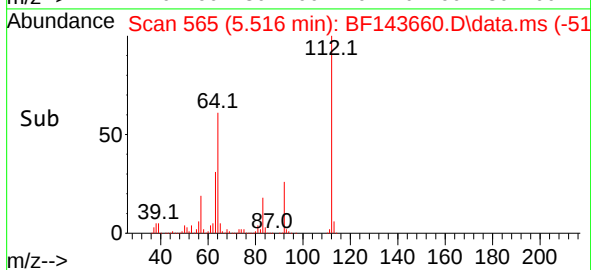
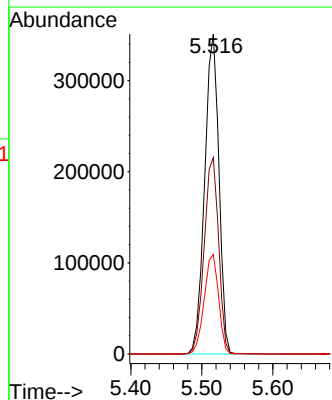
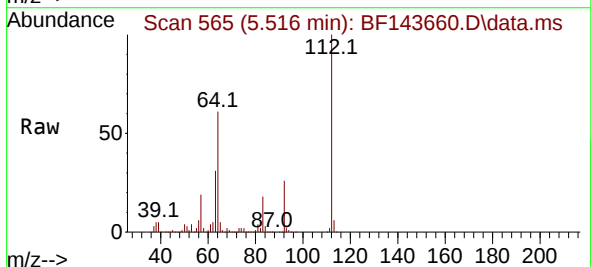
Instrument :
BNA_F
ClientSampleId :

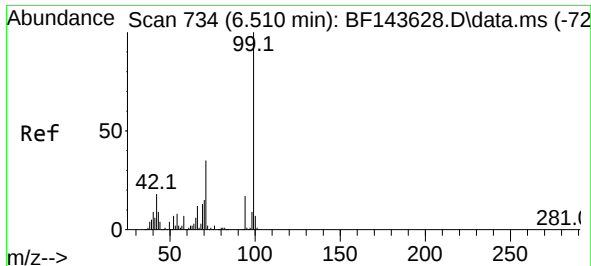
Tgt Ion:152 Resp: 60517
Ion Ratio Lower Upper
152 100
150 155.0 128.4 192.6
115 60.0 47.9 71.9



#5
2-Fluorophenol
Concen: 143.993 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.012 min
Lab File: BF143660.D
Acq: 08 Sep 2025 09:50

Tgt Ion:112 Resp: 491883
Ion Ratio Lower Upper
112 100
64 61.4 52.7 79.1
63 31.1 26.5 39.7

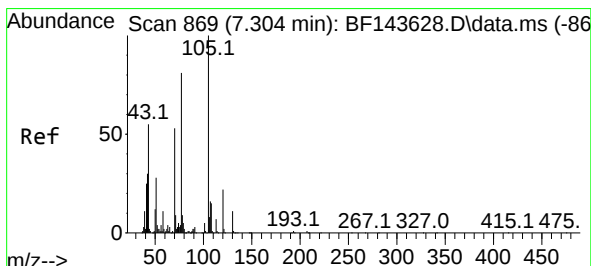
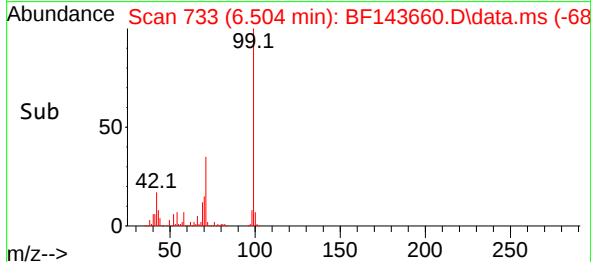
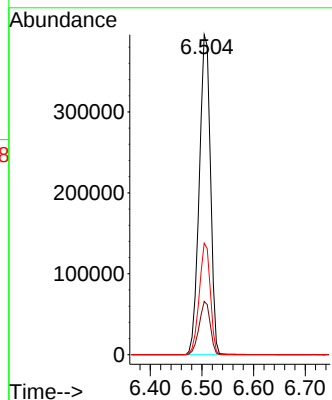
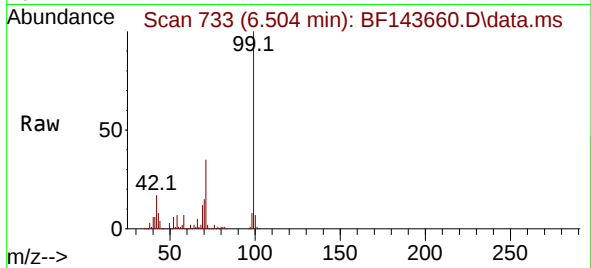




#7
Phenol-d6
Concen: 140.009 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143660.D
Acq: 08 Sep 2025 09:50

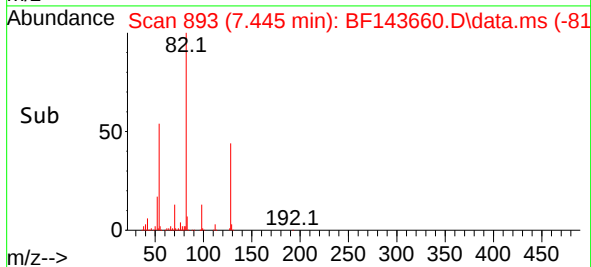
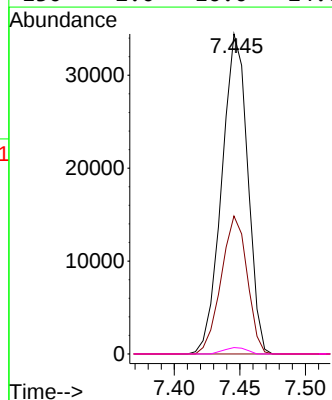
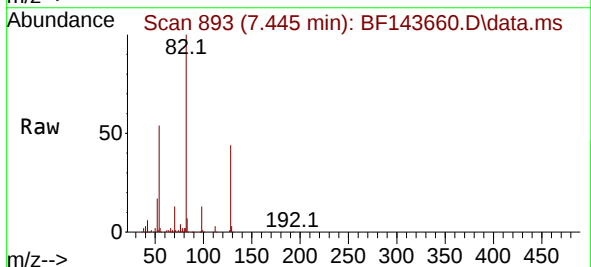
Instrument :
BNA_F
ClientSampleId :

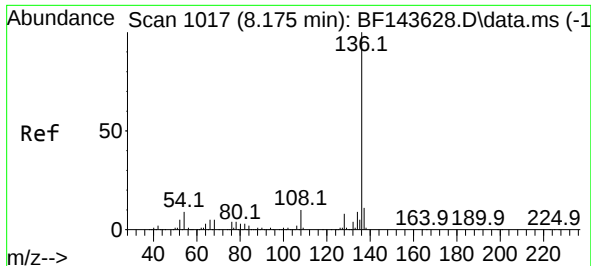
Tgt Ion: 99 Resp: 593609
Ion Ratio Lower Upper
99 100
42 16.7 14.6 22.0
71 34.9 28.0 42.0



#19
n-Nitroso-di-n-propylamine
Concen: 17.546 ng
RT: 7.445 min Scan# 893
Delta R.T. 0.141 min
Lab File: BF143660.D
Acq: 08 Sep 2025 09:50

Tgt Ion: 70 Resp: 47374
Ion Ratio Lower Upper
70 100
42 43.1 45.2 67.8#
101 0.0 7.6 11.4#
130 2.0 16.0 24.0#

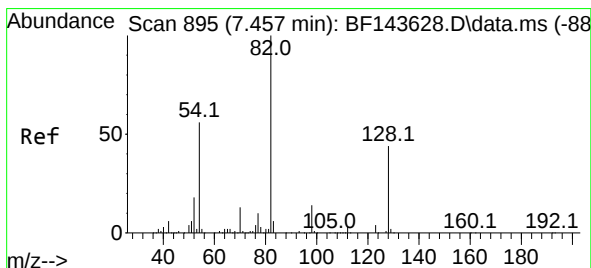
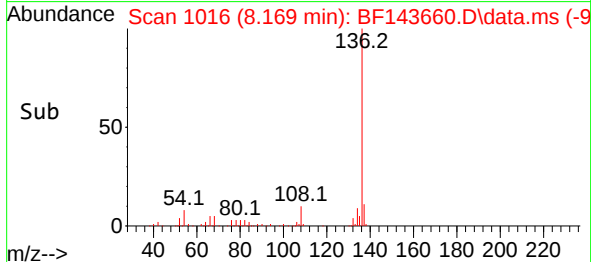
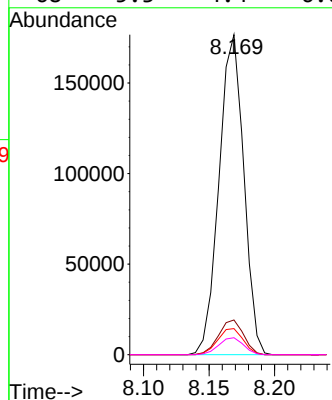
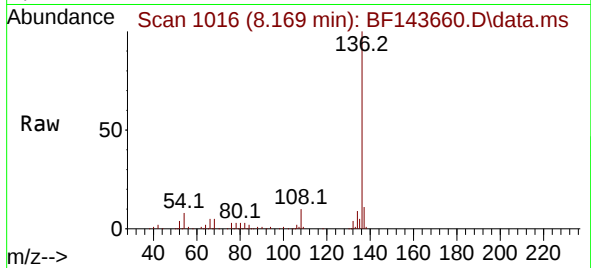




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143660.D
Acq: 08 Sep 2025 09:50

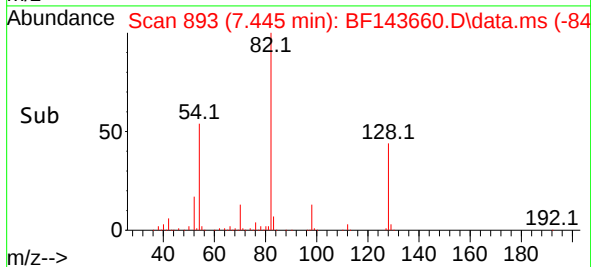
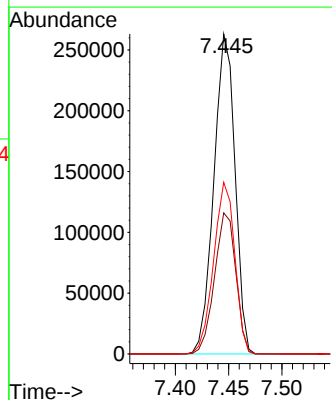
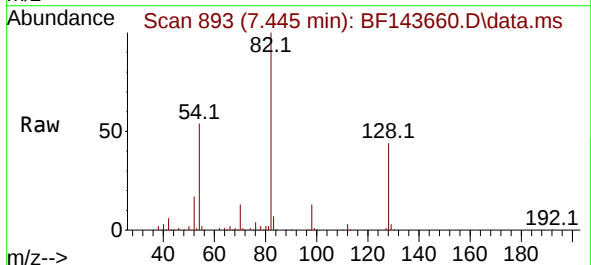
Instrument :
BNA_F
ClientSampleId :

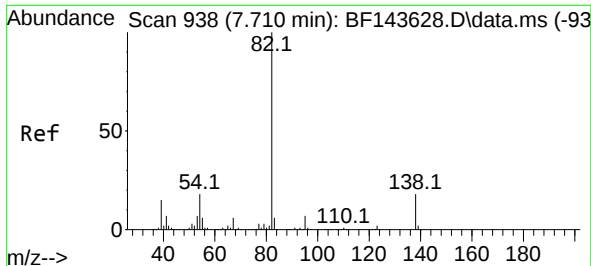
Tgt Ion:	136	Resp:	231537
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	8.1	7.3	10.9
68	5.3	4.4	6.6



#23
Nitrobenzene-d5
Concen: 110.075 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.012 min
Lab File: BF143660.D
Acq: 08 Sep 2025 09:50

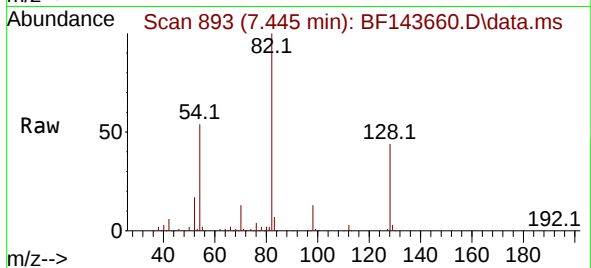
Tgt Ion:	82	Resp:	362621
Ion	Ratio	Lower	Upper
82	100		
128	44.1	34.7	52.1
54	53.6	44.8	67.2



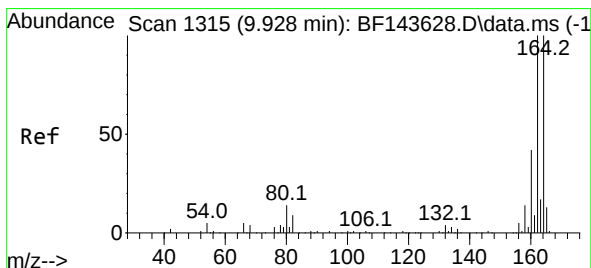
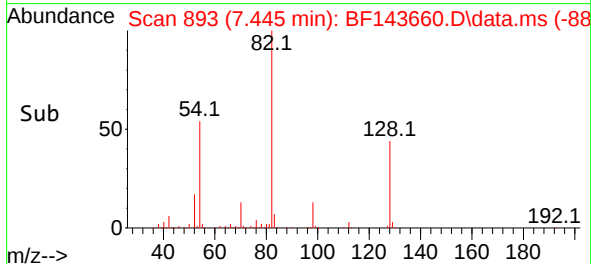
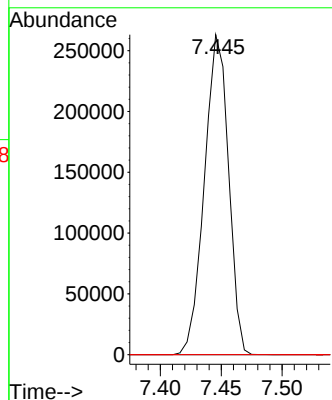


#25
Isophorone
Concen: 48.776 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.265 min
Lab File: BF143660.D
Acq: 08 Sep 2025 09:50

Instrument :
BNA_F
ClientSampleId :

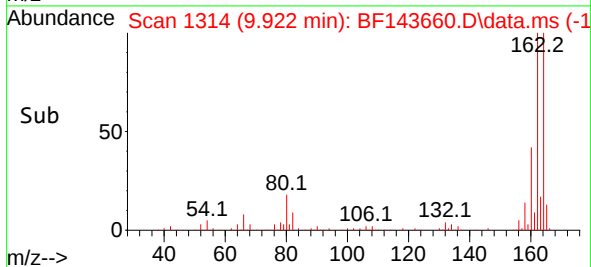
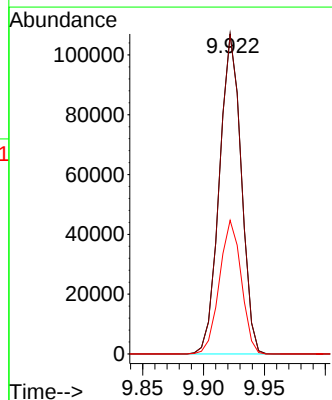
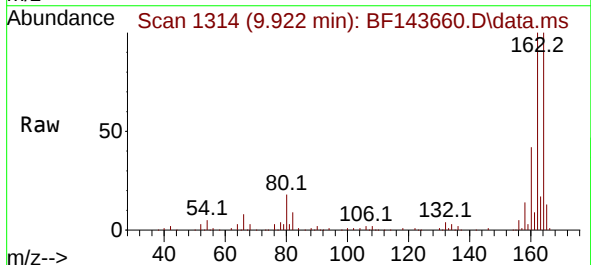


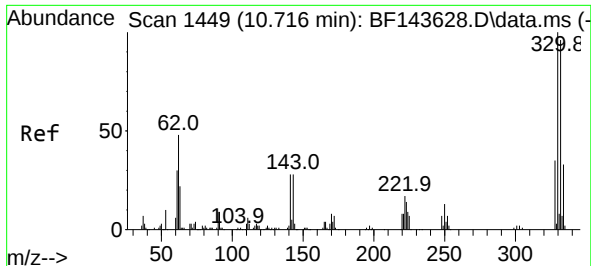
Tgt Ion: 82 Resp: 362091
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BF143660.D
Acq: 08 Sep 2025 09:50

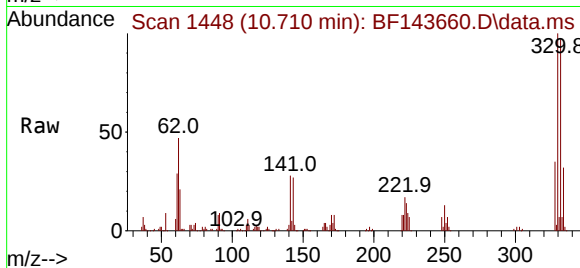
Tgt Ion: 164 Resp: 133580
Ion Ratio Lower Upper
164 100
162 99.7 80.3 120.5
160 41.7 34.0 51.0



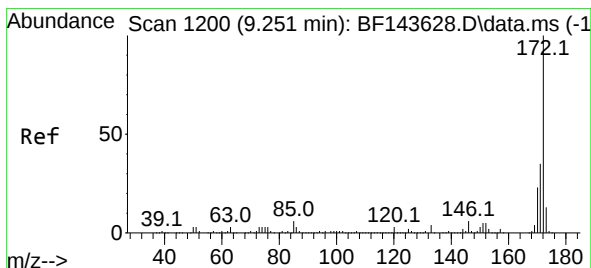
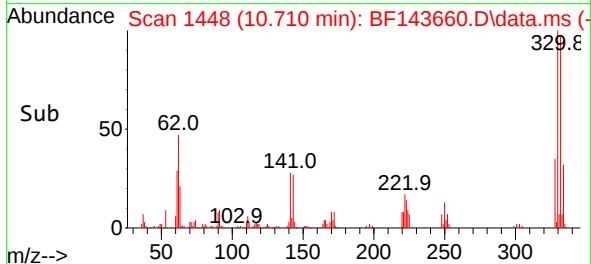
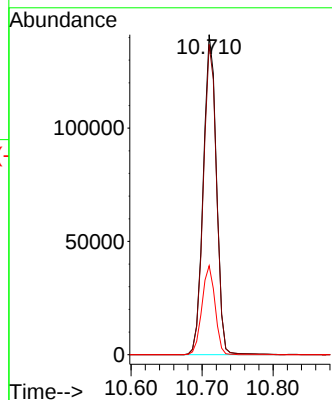


#42
2,4,6-Tribromophenol
Concen: 163.139 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF143660.D
Acq: 08 Sep 2025 09:50

Instrument :
BNA_F
ClientSampleId :

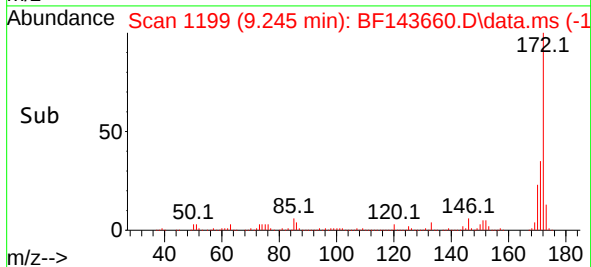
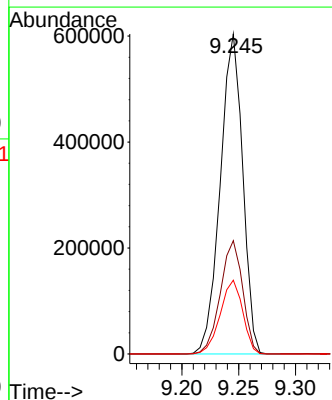
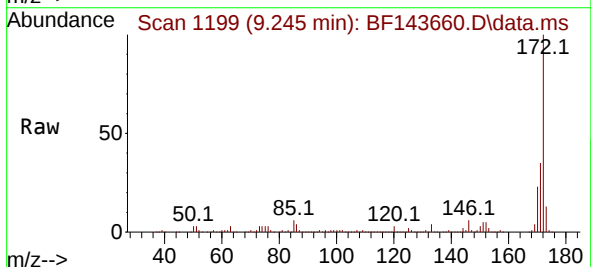


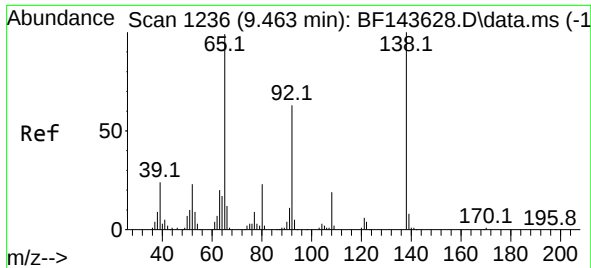
Tgt Ion:330 Resp: 182231
Ion Ratio Lower Upper
330 100
332 97.3 77.0 115.6
141 27.7 23.5 35.3



#45
2-Fluorobiphenyl
Concen: 99.236 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF143660.D
Acq: 08 Sep 2025 09:50

Tgt Ion:172 Resp: 829709
Ion Ratio Lower Upper
172 100
171 35.4 28.1 42.1
170 23.1 18.6 28.0

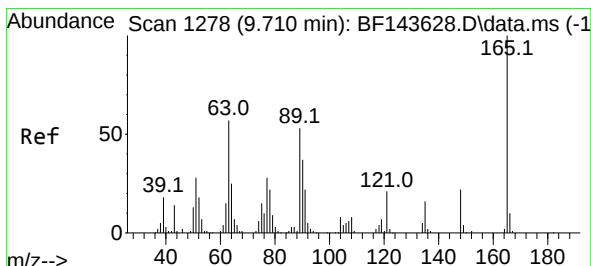
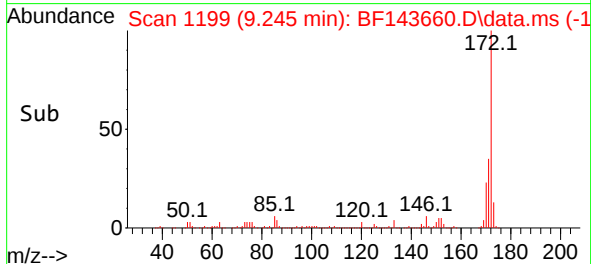
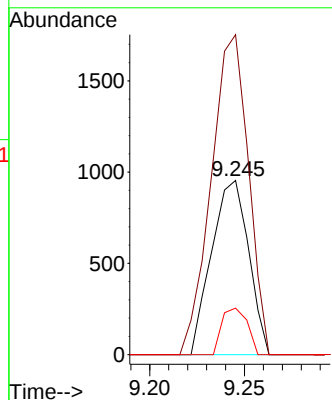
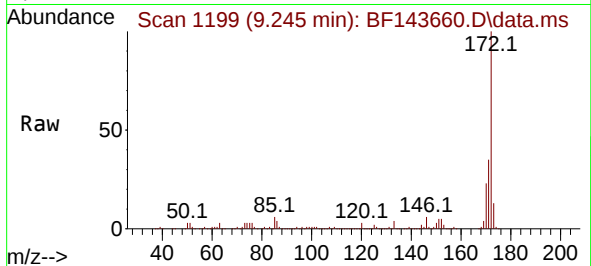




#48
2-Nitroaniline
Concen: 3.775 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.218 min
Lab File: BF143660.D
Acq: 08 Sep 2025 09:50

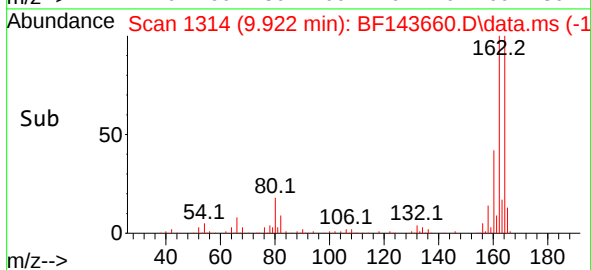
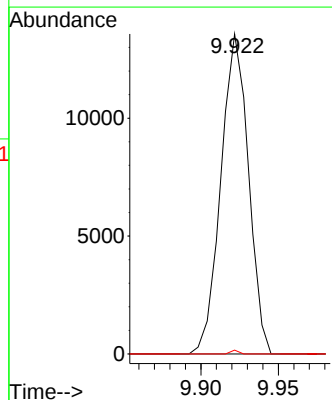
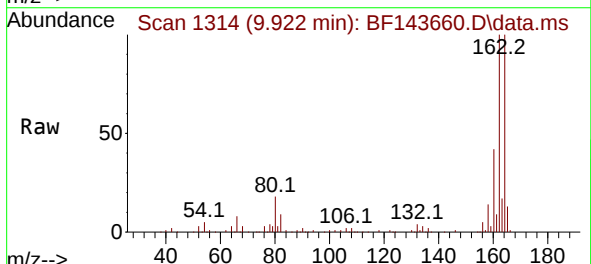
Instrument :
BNA_F
ClientSampleId :

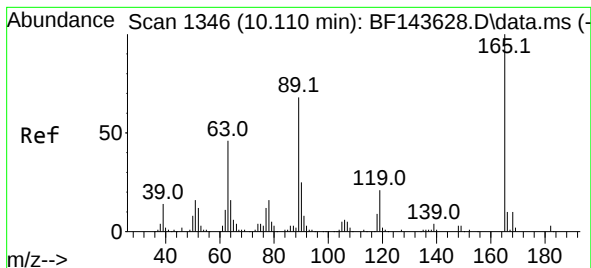
Tgt Ion: 65 Resp: 1295
Ion Ratio Lower Upper
65 100
92 183.8 50.9 76.3#
138 26.7 80.6 120.8#



#51
2,6-Dinitrotoluene
Concen: 13.834 ng
RT: 9.922 min Scan# 1314
Delta R.T. 0.212 min
Lab File: BF143660.D
Acq: 08 Sep 2025 09:50

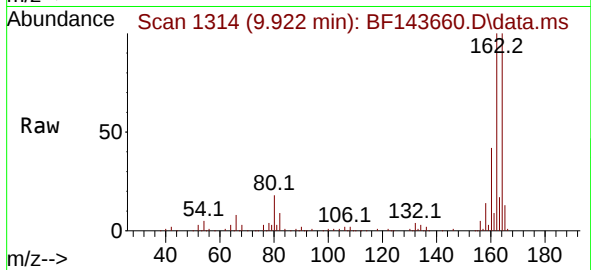
Tgt Ion:165 Resp: 16774
Ion Ratio Lower Upper
165 100
63 0.0 45.4 68.0#
89 1.2 42.1 63.1#



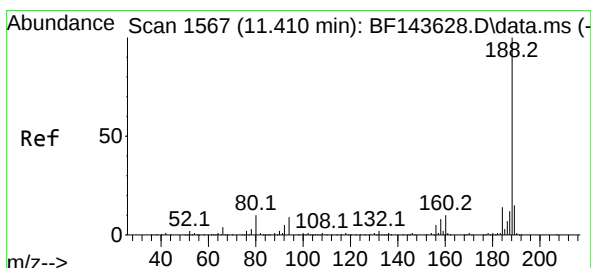
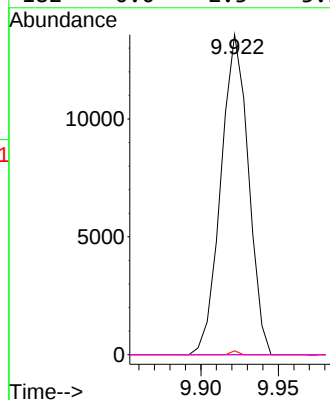
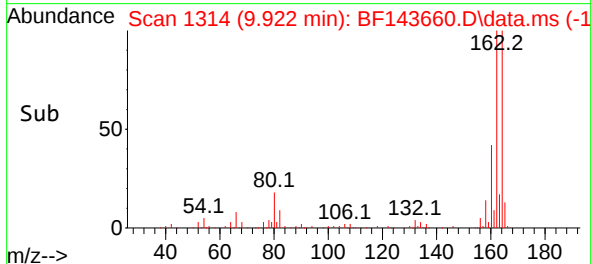


#57
2,4-Dinitrotoluene
Concen: 11.274 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF143660.D
Acq: 08 Sep 2025 09:50

Instrument :
BNA_F
ClientSampleId :

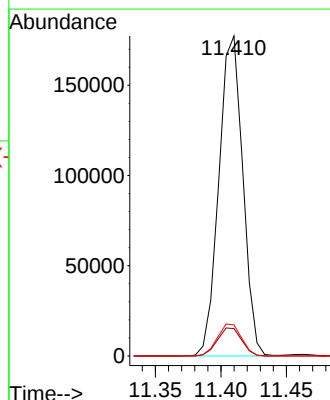
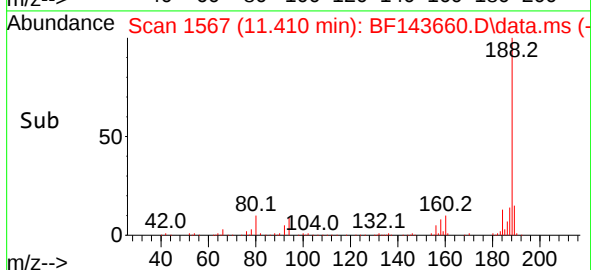
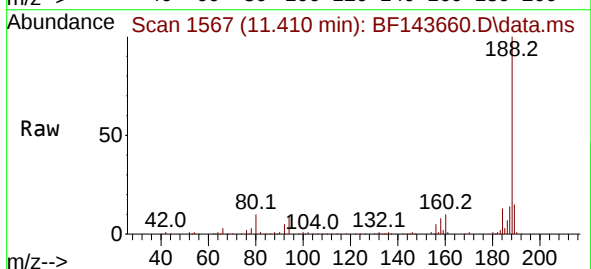


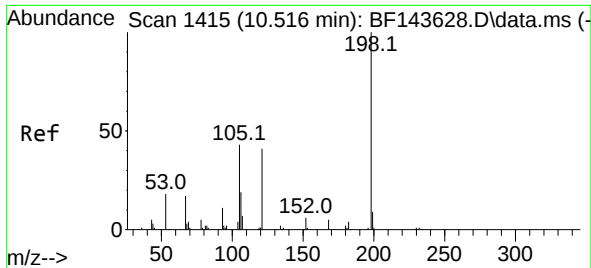
Tgt Ion:165 Resp: 16774
Ion Ratio Lower Upper
165 100
63 0.0 37.0 55.6#
89 1.2 54.1 81.1#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF143660.D
Acq: 08 Sep 2025 09:50

Tgt Ion:188 Resp: 225126
Ion Ratio Lower Upper
188 100
94 8.6 7.5 11.3
80 9.7 8.4 12.6

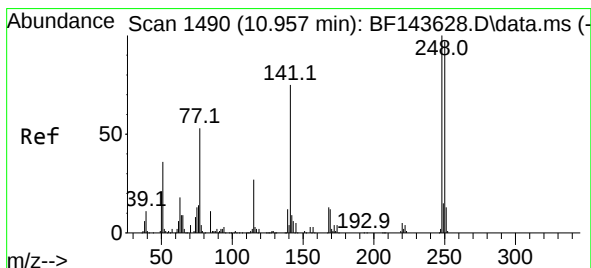
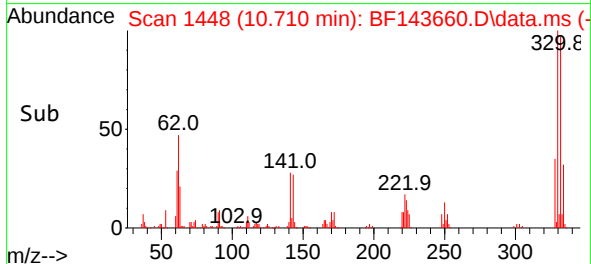
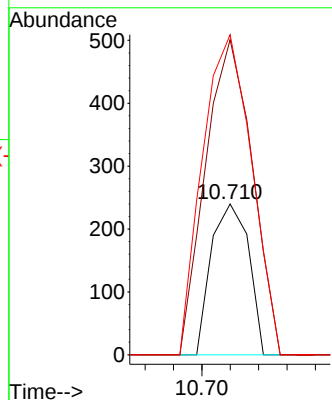
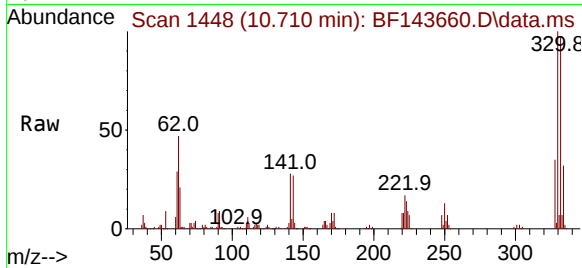




#65
4,6-Dinitro-2-methylphenol
Concen: 8.725 ng
RT: 10.710 min Scan# 1415
Delta R.T. 0.194 min
Lab File: BF143660.D
Acq: 08 Sep 2025 09:50

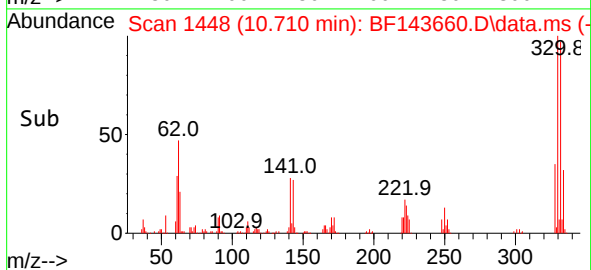
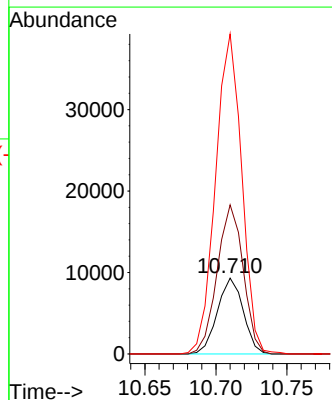
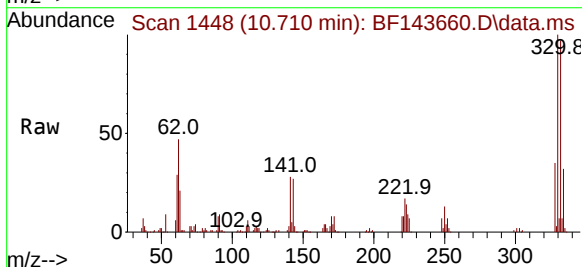
Instrument :
BNA_F
ClientSampleId :

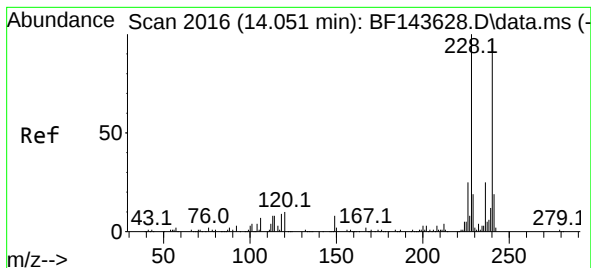
Tgt Ion:198 Resp: 220
Ion Ratio Lower Upper
198 100
51 208.8 30.7 70.7#
105 212.1 26.0 66.0#



#67
4-Bromophenyl-phenylether
Concen: 4.518 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.247 min
Lab File: BF143660.D
Acq: 08 Sep 2025 09:50

Tgt Ion:248 Resp: 11797
Ion Ratio Lower Upper
248 100
250 196.5 77.6 116.4#
141 421.6 60.1 90.1#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 20

Delta R.T. -0.012 min

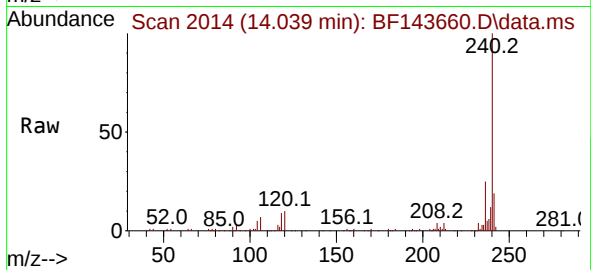
Lab File: BF143660.D

Acq: 08 Sep 2025 09:50

Instrument :

BNA_F

ClientSampleId :



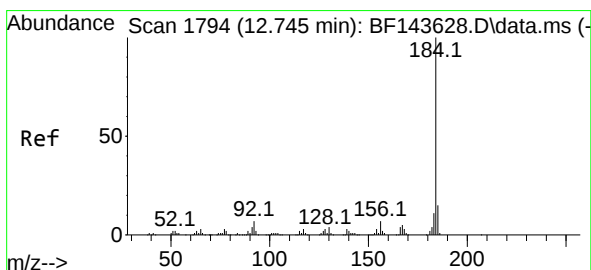
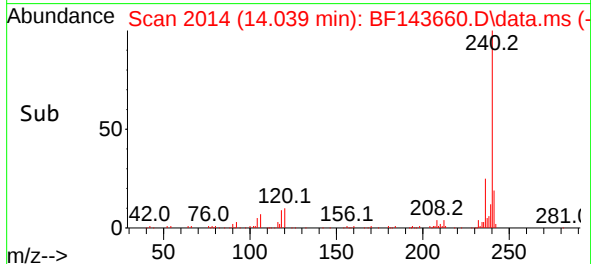
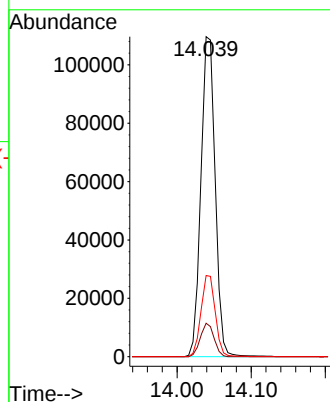
Tgt Ion:240 Resp: 146701

Ion Ratio Lower Upper

240 100

120 10.5 8.0 12.0

236 25.3 20.5 30.7



#77

Benzidine

Concen: 2.966 ng

RT: 12.992 min Scan# 1836

Delta R.T. 0.247 min

Lab File: BF143660.D

Acq: 08 Sep 2025 09:50

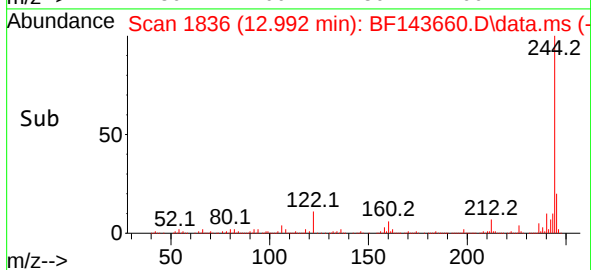
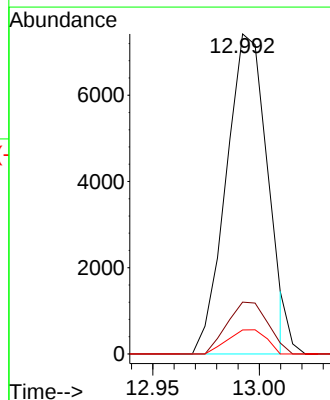
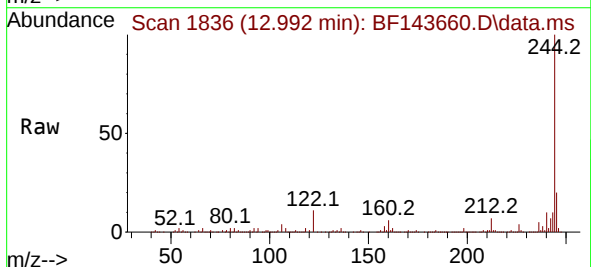
Tgt Ion:184 Resp: 9954

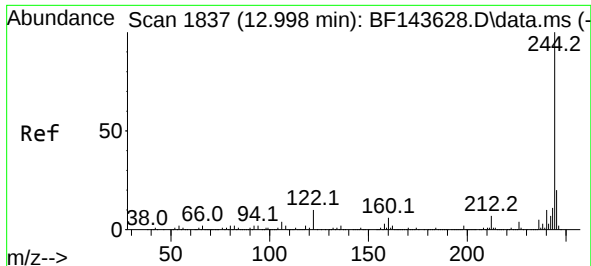
Ion Ratio Lower Upper

184 100

185 16.2 11.8 17.6

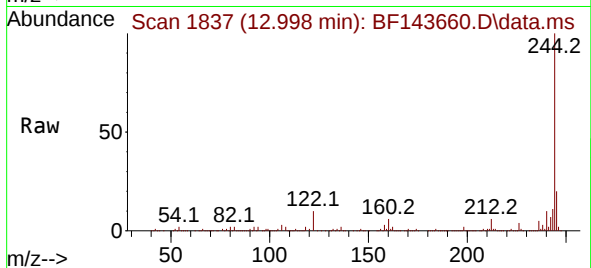
183 7.5 9.0 13.6#



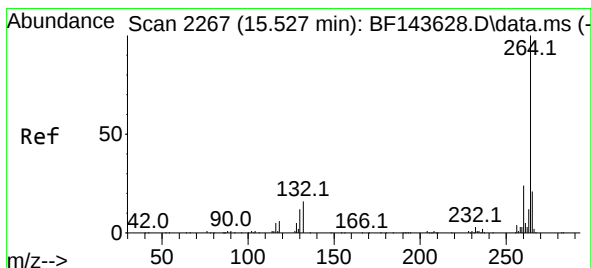
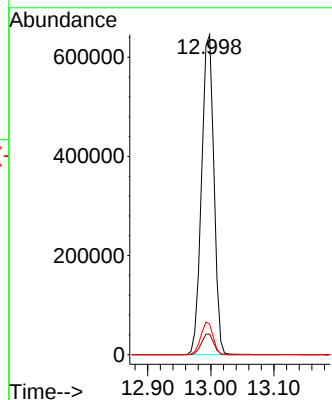
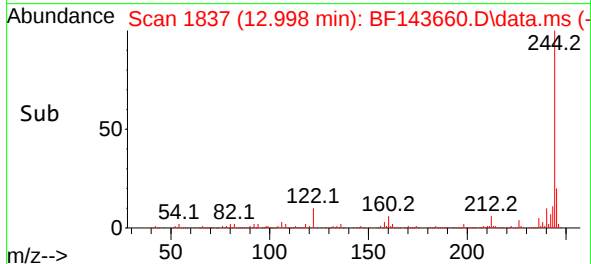


#79
 Terphenyl-d14
 Concen: 99.479 ng
 RT: 12.998 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF143660.D
 Acq: 08 Sep 2025 09:50

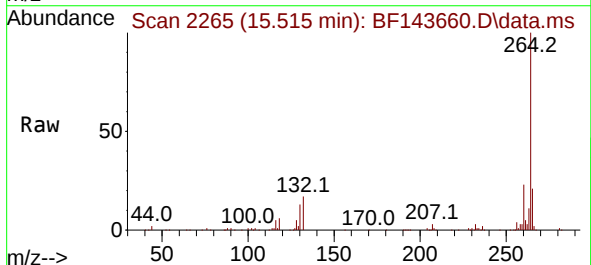
Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:244 Resp: 875849
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.3 7.9
 122 9.6 8.3 12.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.515 min Scan# 2265
 Delta R.T. -0.012 min
 Lab File: BF143660.D
 Acq: 08 Sep 2025 09:50



Tgt Ion:264 Resp: 134883
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.9 28.3
 265 21.0 17.1 25.7

