

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091525\
 Data File : BF143759.D
 Acq On : 15 Sep 2025 18:57
 Operator : RC/JU
 Sample : Q3082-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-30

Quant Time: Sep 15 19:19:27 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)

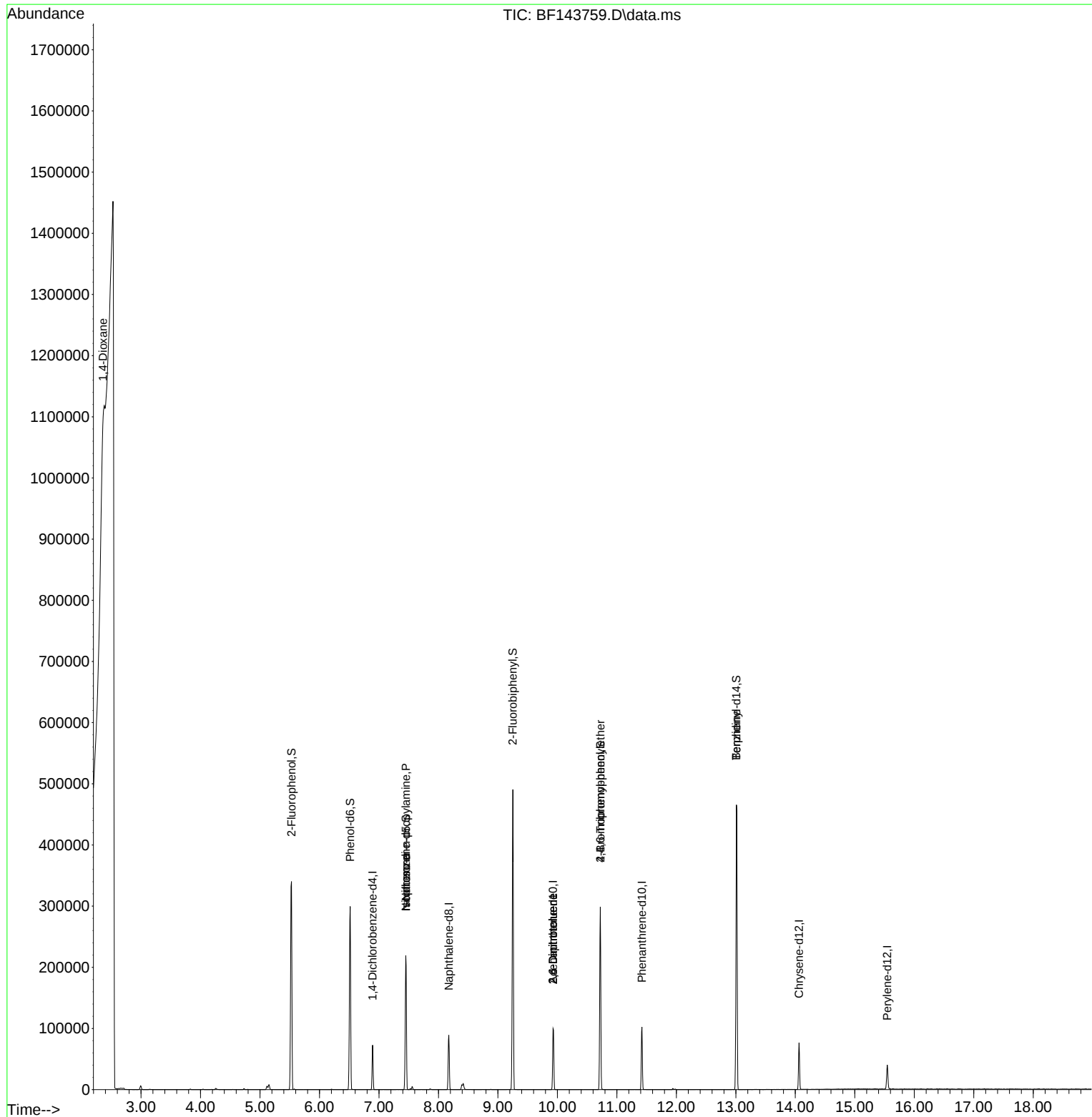
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	15863	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	59753	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	32307	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	54633	20.000	ng	0.01
76) Chrysene-d12	14.063	240	39064	20.000	ng	0.02
86) Perylene-d12	15.545	264	25194	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	143810	154.675	ng	0.03
7) Phenol-d6	6.516	99	165839	146.491	ng	0.01
23) Nitrobenzene-d5	7.451	82	107779	112.194	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	58092	178.425	ng	0.01
45) 2-Fluorobiphenyl	9.251	172	234455	109.627	ng	0.00
79) Terphenyl-d14	13.010	244	254974	105.773	ng	0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.357	88	2432	5.864	ng	# 25
19) n-Nitroso-di-n-propyla...	7.451	70	13914	20.012	ng	# 76
25) Isophorone	7.451	82	107613	58.419	ng	# 64
51) 2,6-Dinitrotoluene	9.928	165	4317	10.742	ng	# 27
57) 2,4-Dinitrotoluene	9.928	165	4317	7.892	ng	# 27
67) 4-Bromophenyl-phenylether	10.722	248	3714	5.637	ng	# 1
77) Benzidine	13.010	184	2648	2.079	ng	# 94

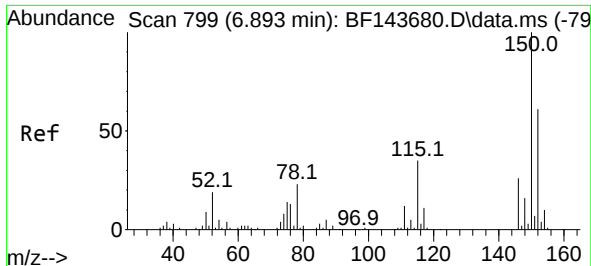
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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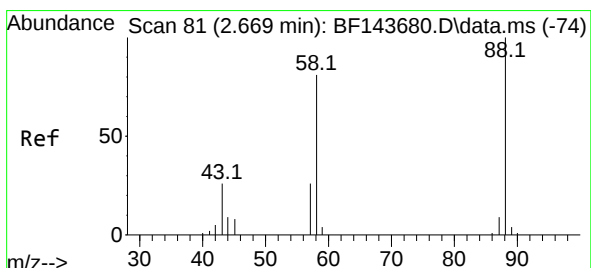
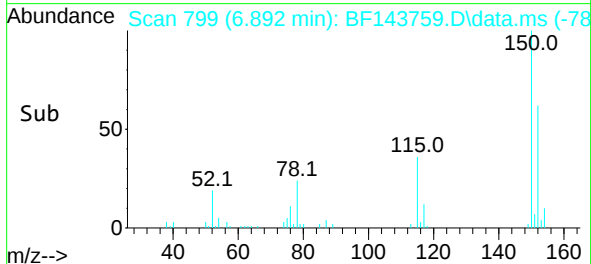
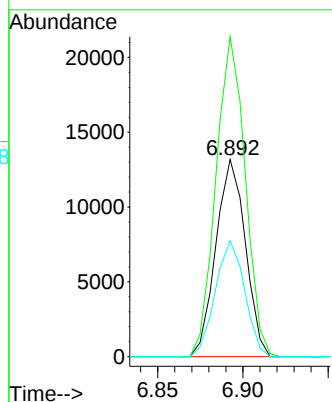
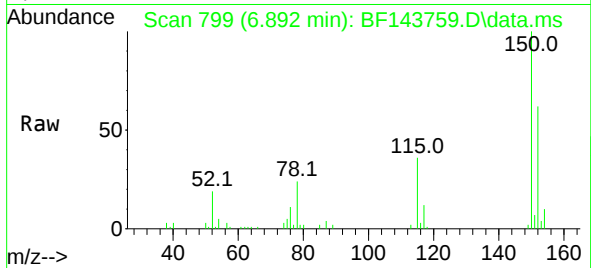




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.892 min Scan# 79
 Delta R.T. -0.001 min
 Lab File: BF143759.D
 Acq: 15 Sep 2025 18:57

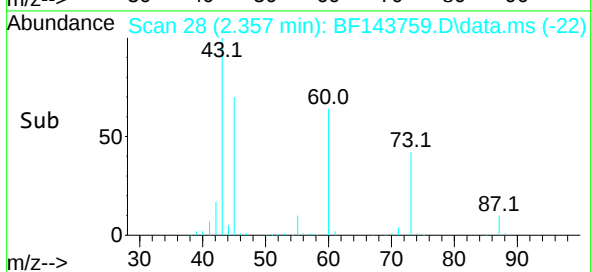
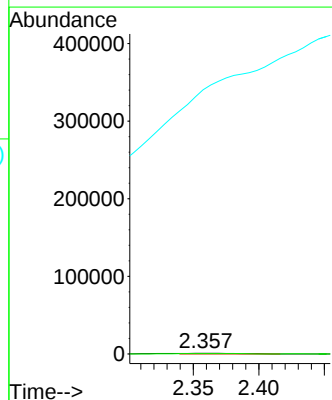
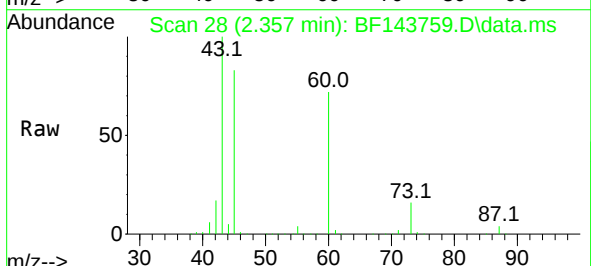
Instrument :
 BNA_F
 ClientSampleId :
 WC-30

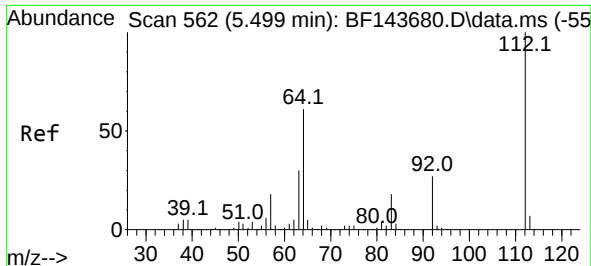
Tgt Ion:152 Resp: 15863
 Ion Ratio Lower Upper
 152 100
 150 162.3 130.7 196.1
 115 58.8 45.9 68.9



#2
 1,4-Dioxane
 Concen: 5.864 ng
 RT: 2.357 min Scan# 28
 Delta R.T. -0.312 min
 Lab File: BF143759.D
 Acq: 15 Sep 2025 18:57

Tgt Ion: 88 Resp: 2432
 Ion Ratio Lower Upper
 88 100
 58 7.7 65.8 98.6#
 43 0.0 20.6 31.0#

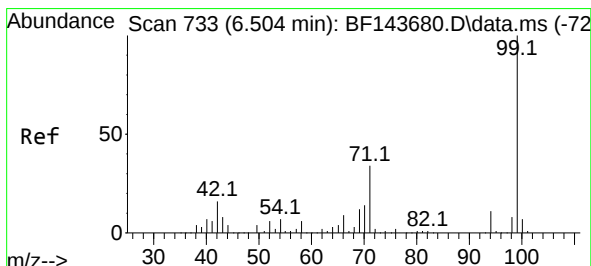
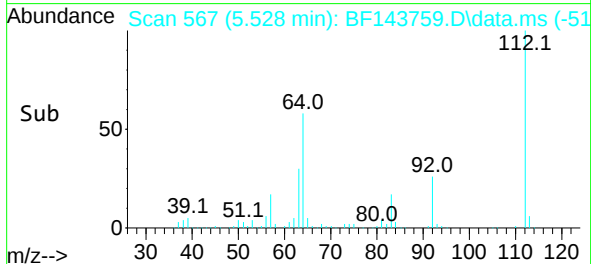
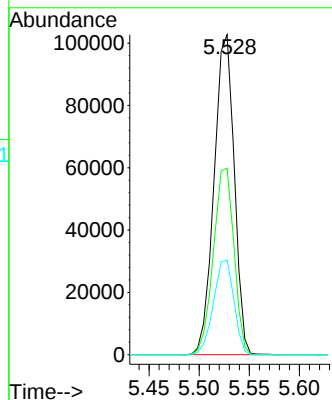
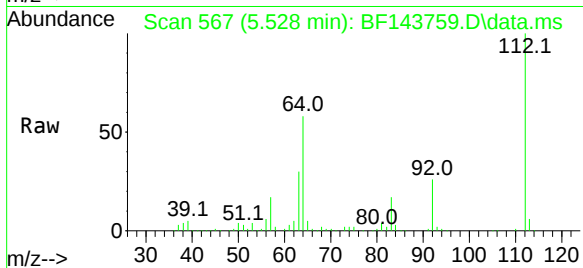




#5
2-Fluorophenol
Concen: 154.675 ng
RT: 5.528 min Scan# 51
Delta R.T. 0.029 min
Lab File: BF143759.D
Acq: 15 Sep 2025 18:57

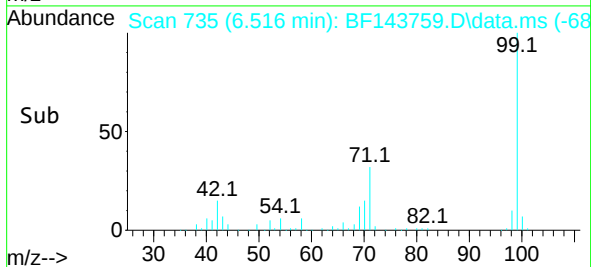
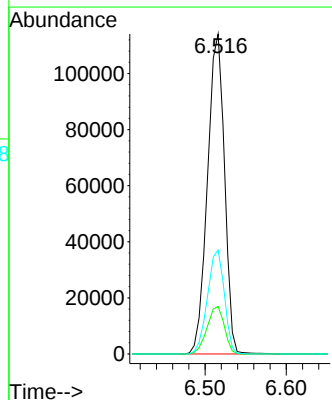
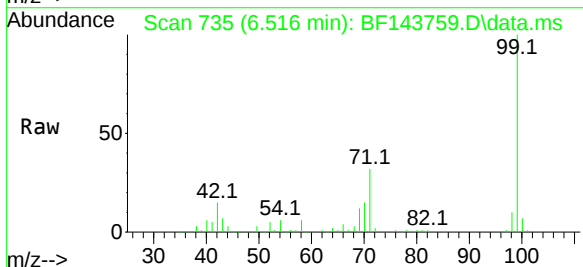
Instrument :
BNA_F
ClientSampleId :
WC-30

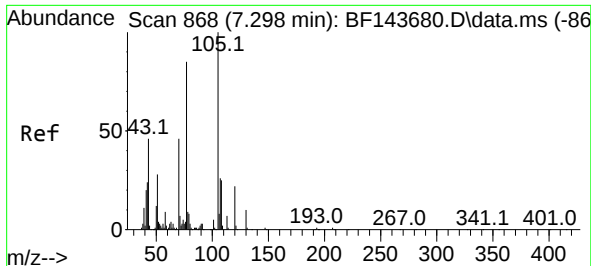
Tgt Ion:112 Resp: 143810
Ion Ratio Lower Upper
112 100
64 58.3 49.0 73.4
63 29.6 24.3 36.5



#7
Phenol-d6
Concen: 146.491 ng
RT: 6.516 min Scan# 735
Delta R.T. 0.012 min
Lab File: BF143759.D
Acq: 15 Sep 2025 18:57

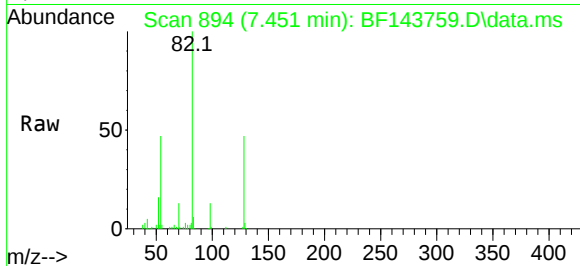
Tgt Ion: 99 Resp: 165839
Ion Ratio Lower Upper
99 100
42 14.9 13.0 19.4
71 32.5 27.4 41.2



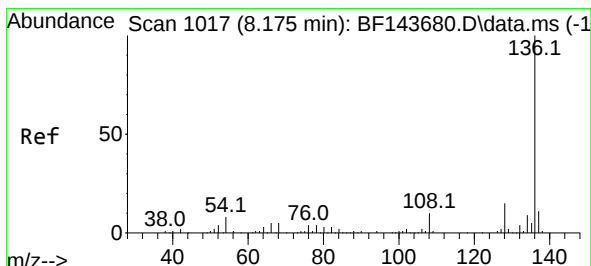
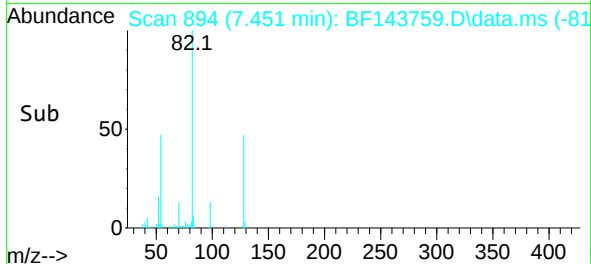
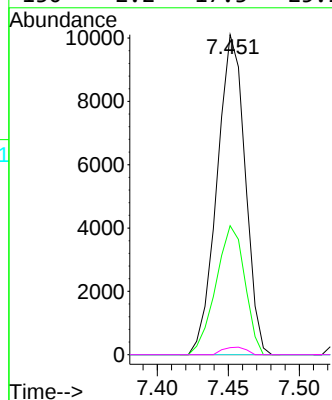


#19
n-Nitroso-di-n-propylamine
Concen: 20.012 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.153 min
Lab File: BF143759.D
Acq: 15 Sep 2025 18:57

Instrument :
BNA_F
ClientSampleId :
WC-30

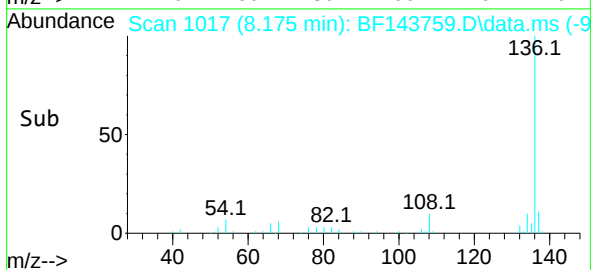
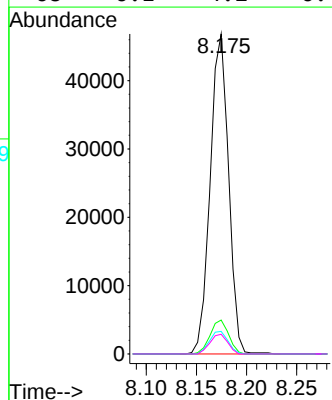
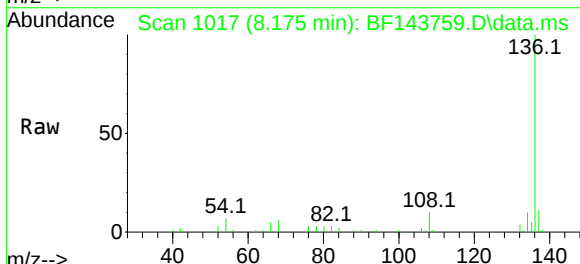


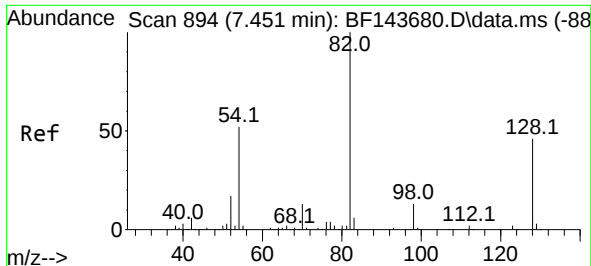
Tgt Ion: 70	Resp: 13914
Ion Ratio	Lower Upper
70 100	
42 40.3	41.4 62.2#
101 0.0	8.1 12.1#
130 2.2	17.3 25.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.000 min
Lab File: BF143759.D
Acq: 15 Sep 2025 18:57

Tgt	Ion:136	Resp:	59753
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.7	13.1
54	7.1	6.2	9.2
68	6.1	4.2	6.4





#23

Nitrobenzene-d5

Concen: 112.194 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.000 min

Lab File: BF143759.D

Acq: 15 Sep 2025 18:57

Instrument :

BNA_F

ClientSampleId :

WC-30

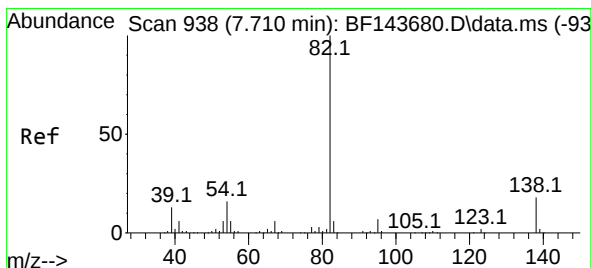
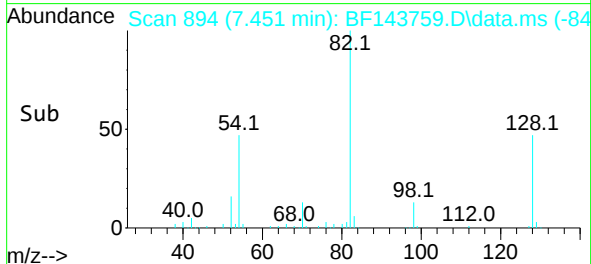
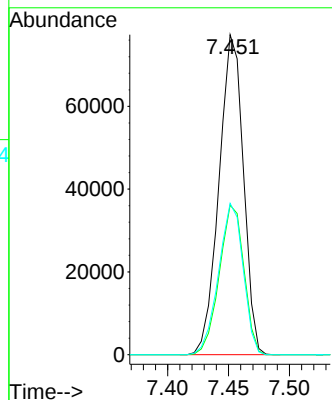
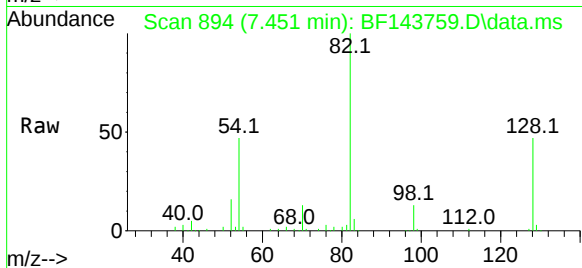
Tgt Ion: 82 Resp: 107779

Ion Ratio Lower Upper

82 100

128 46.8 37.0 55.4

54 47.3 41.8 62.8



#25

Isophorone

Concen: 58.419 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.259 min

Lab File: BF143759.D

Acq: 15 Sep 2025 18:57

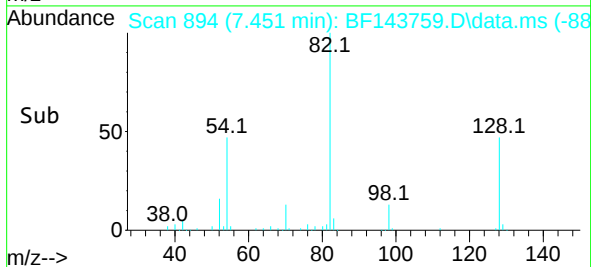
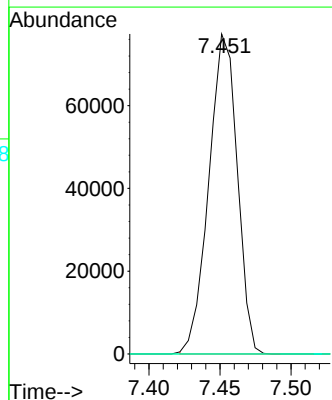
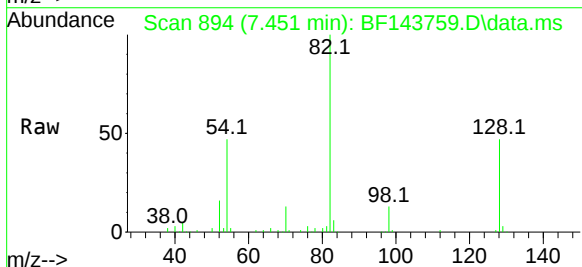
Tgt Ion: 82 Resp: 107613

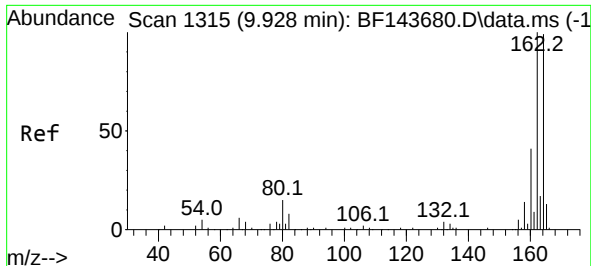
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

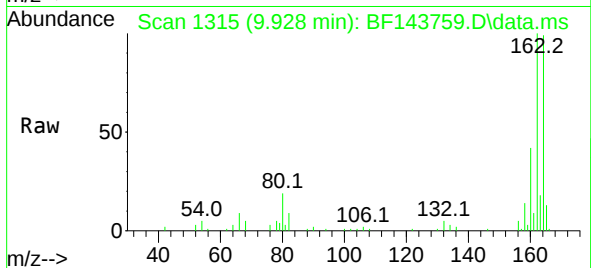
138 0.0 14.8 22.2#



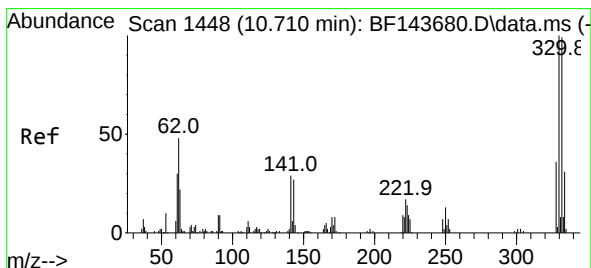
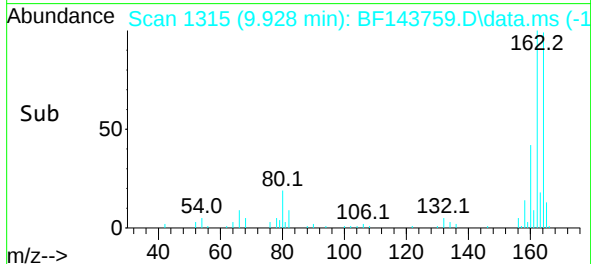
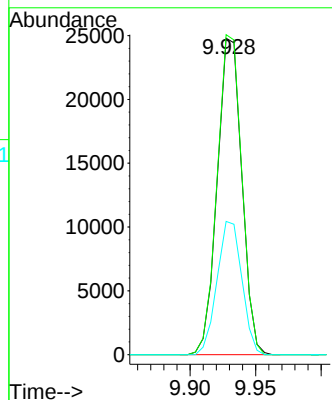


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143759.D
Acq: 15 Sep 2025 18:57

Instrument :
BNA_F
ClientSampleId :
WC-30

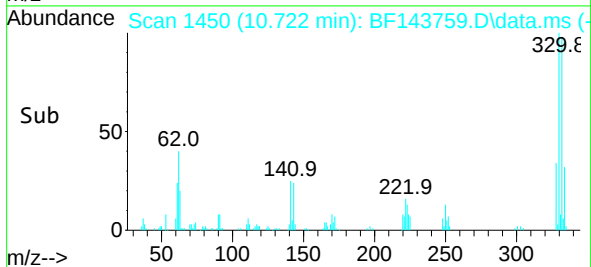
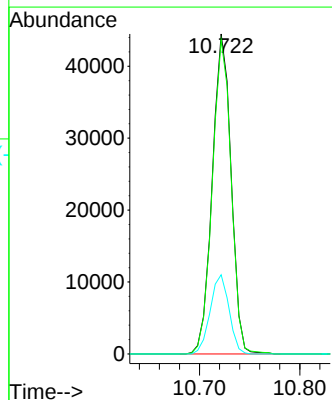
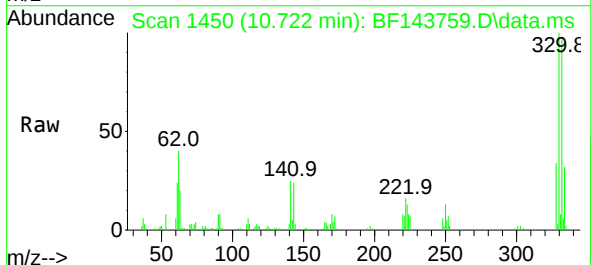


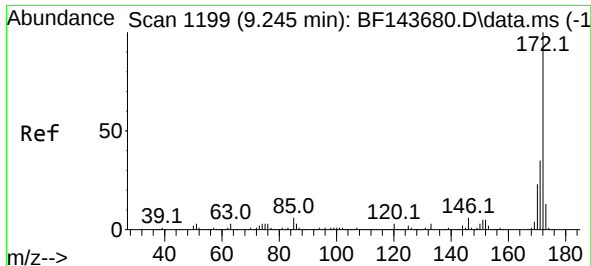
Tgt Ion:164 Resp: 32307
Ion Ratio Lower Upper
164 100
162 101.1 80.6 121.0
160 42.1 33.0 49.4



#42
2,4,6-Tribromophenol
Concen: 178.425 ng
RT: 10.722 min Scan# 1450
Delta R.T. 0.012 min
Lab File: BF143759.D
Acq: 15 Sep 2025 18:57

Tgt Ion:330 Resp: 58092
Ion Ratio Lower Upper
330 100
332 98.1 79.2 118.8
141 24.7 22.2 33.4





#45

2-Fluorobiphenyl

Concen: 109.627 ng

RT: 9.251 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF143759.D

Acq: 15 Sep 2025 18:57

Instrument :

BNA_F

ClientSampleId :

WC-30

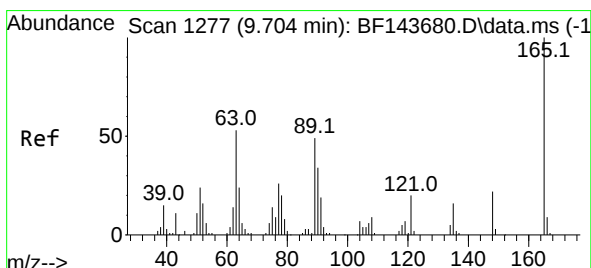
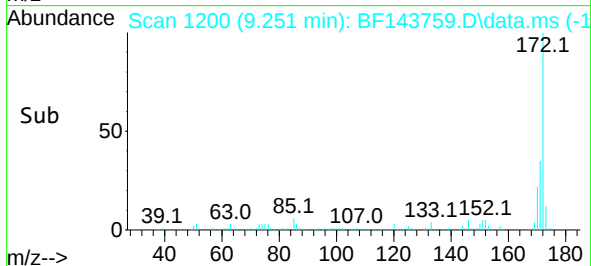
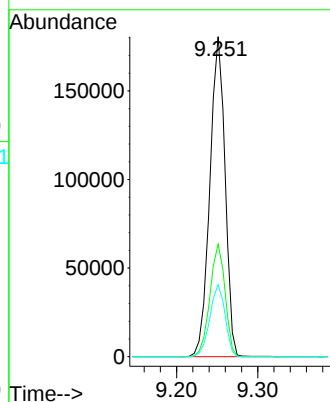
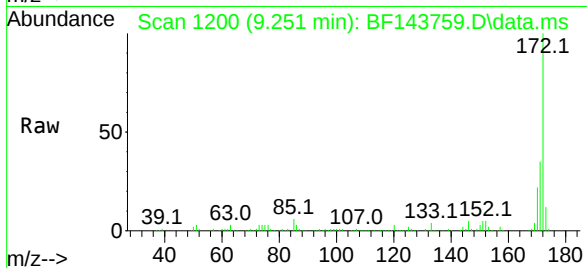
Tgt Ion:172 Resp: 234455

Ion Ratio Lower Upper

172 100

171 35.1 27.9 41.9

170 22.5 18.6 27.8



#51

2,6-Dinitrotoluene

Concen: 10.742 ng

RT: 9.928 min Scan# 1315

Delta R.T. 0.223 min

Lab File: BF143759.D

Acq: 15 Sep 2025 18:57

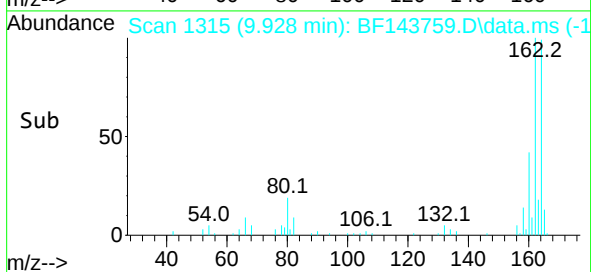
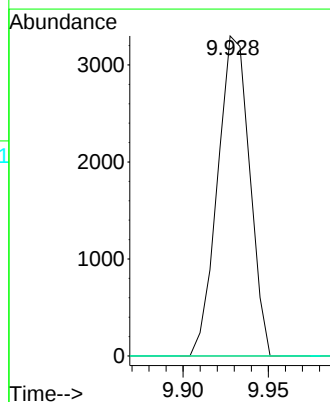
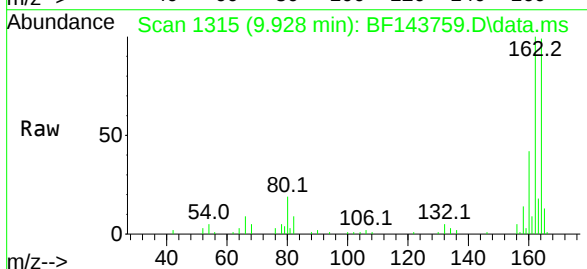
Tgt Ion:165 Resp: 4317

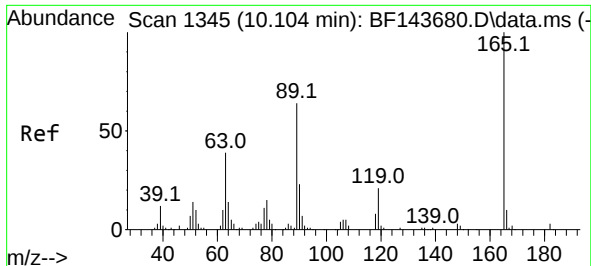
Ion Ratio Lower Upper

165 100

63 0.0 42.2 63.4#

89 0.0 39.3 58.9#

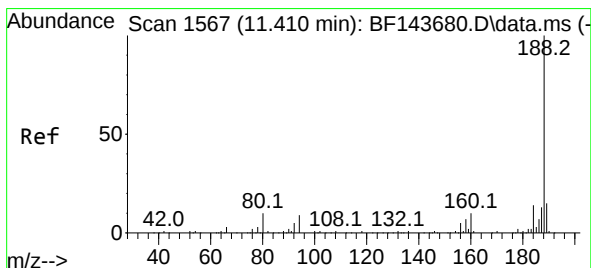
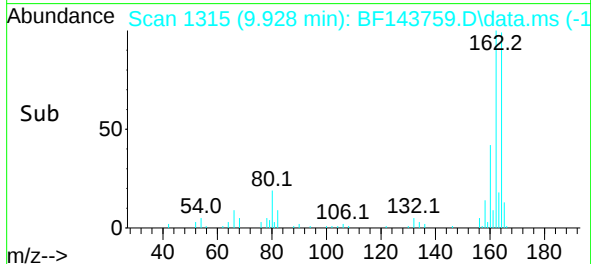
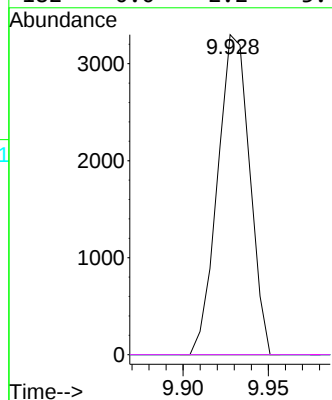
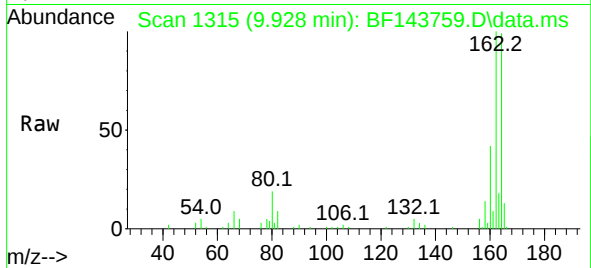




#57
2,4-Dinitrotoluene
Concen: 7.892 ng
RT: 9.928 min Scan# 11
Delta R.T. -0.177 min
Lab File: BF143759.D
Acq: 15 Sep 2025 18:57

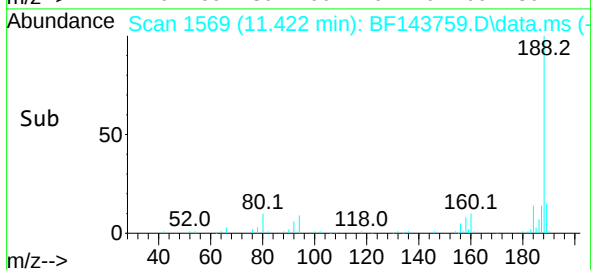
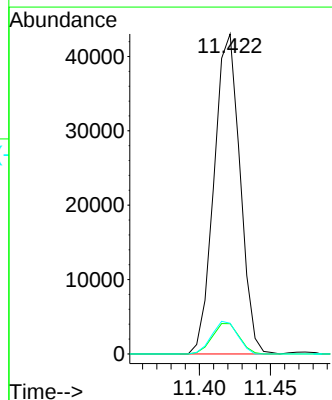
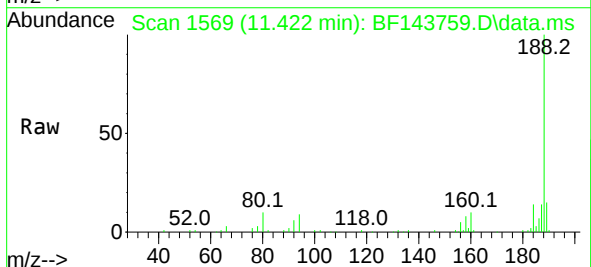
Instrument :
BNA_F
ClientSampleId :
WC-30

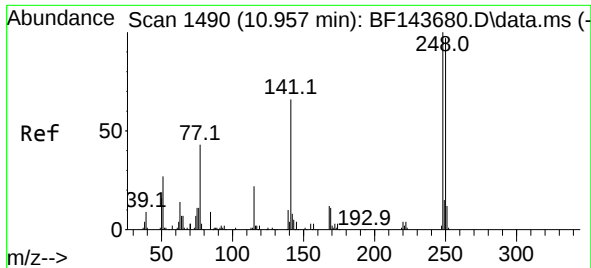
Tgt Ion:165 Resp: 4317
Ion Ratio Lower Upper
165 100
63 0.0 31.5 47.3#
89 0.0 51.3 76.9#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. 0.012 min
Lab File: BF143759.D
Acq: 15 Sep 2025 18:57

Tgt Ion:188 Resp: 54633
Ion Ratio Lower Upper
188 100
94 9.5 7.4 11.0
80 9.6 7.7 11.5

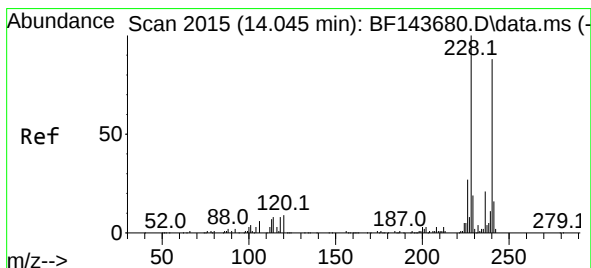
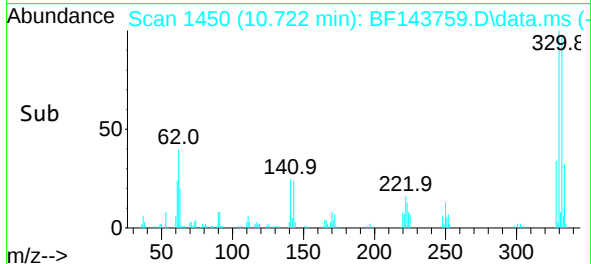
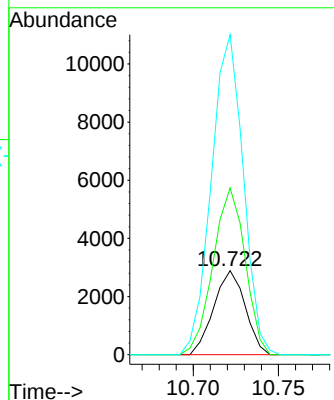
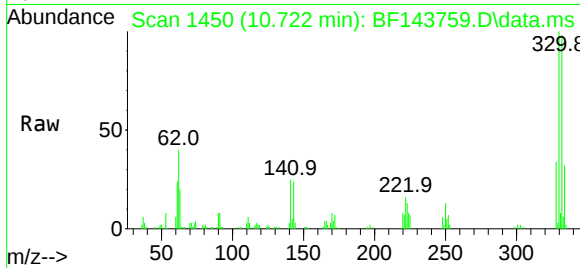




#67
4-Bromophenyl-phenylether
Concen: 5.637 ng
RT: 10.722 min Scan# 14
Delta R.T. -0.235 min
Lab File: BF143759.D
Acq: 15 Sep 2025 18:57

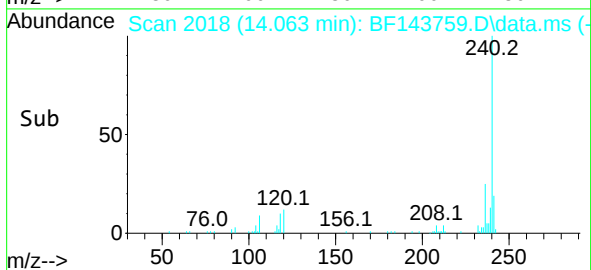
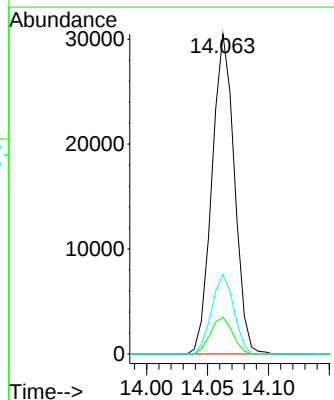
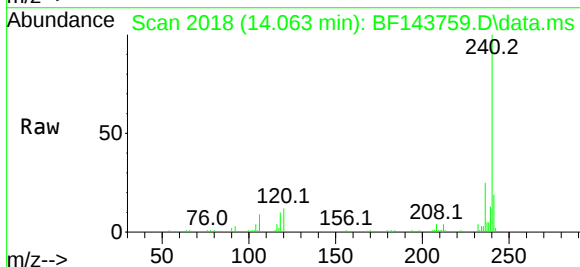
Instrument :
BNA_F
ClientSampleId :
WC-30

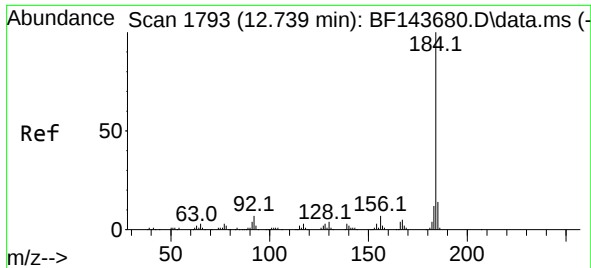
Tgt Ion:248 Resp: 3714
Ion Ratio Lower Upper
248 100
250 198.5 77.5 116.3#
141 380.9 52.6 79.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. 0.017 min
Lab File: BF143759.D
Acq: 15 Sep 2025 18:57

Tgt Ion:240 Resp: 39064
Ion Ratio Lower Upper
240 100
120 11.6 8.4 12.6
236 24.8 18.6 28.0

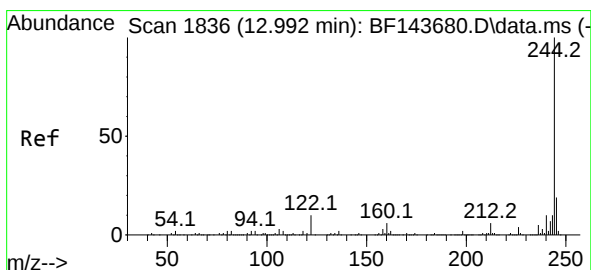
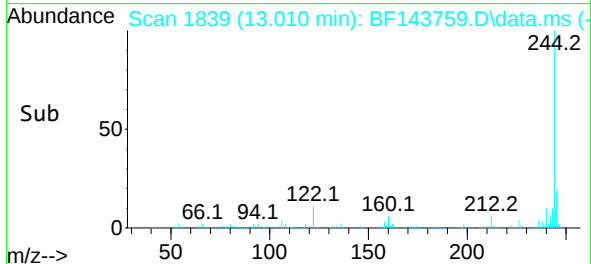
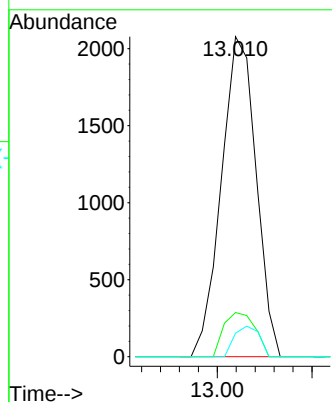
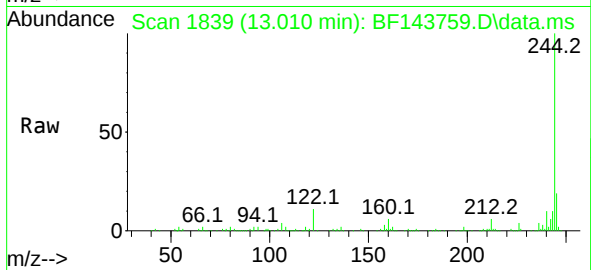




#77
Benzidine
Concen: 2.079 ng
RT: 13.010 min Scan# 1839
Delta R.T. 0.270 min
Lab File: BF143759.D
Acq: 15 Sep 2025 18:57

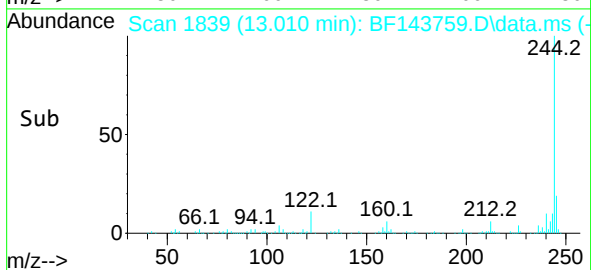
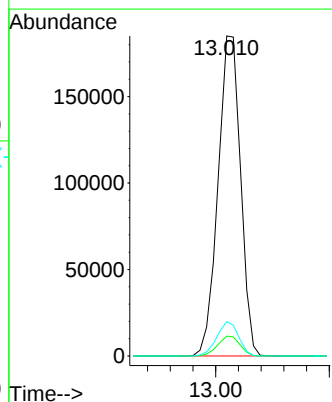
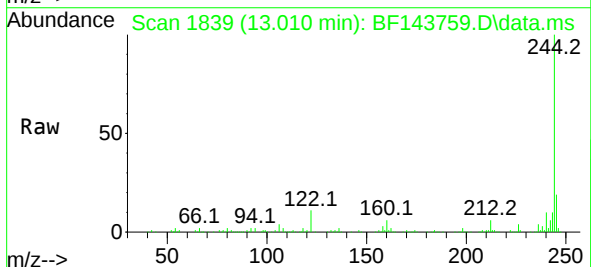
Instrument :
BNA_F
ClientSampleId :
WC-30

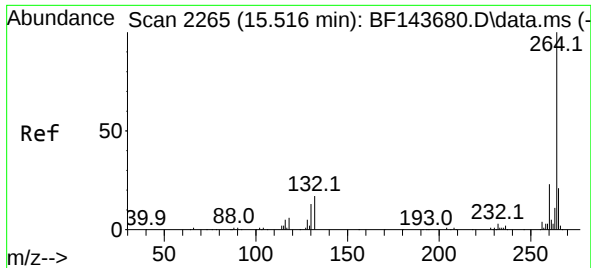
Tgt Ion:184 Resp: 2648
Ion Ratio Lower Upper
184 100
185 13.8 11.5 17.3
183 7.4 9.4 14.2#



#79
Terphenyl-d14
Concen: 105.773 ng
RT: 13.010 min Scan# 1839
Delta R.T. 0.017 min
Lab File: BF143759.D
Acq: 15 Sep 2025 18:57

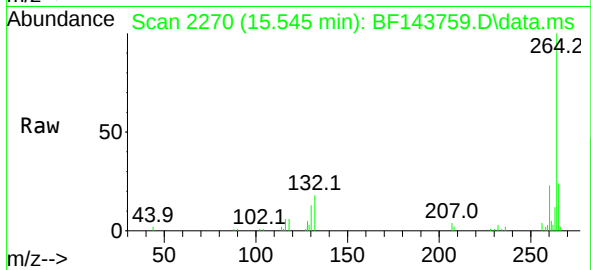
Tgt Ion:244 Resp: 254974
Ion Ratio Lower Upper
244 100
212 6.2 5.0 7.6
122 10.7 7.9 11.9





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 21
 Delta R.T. 0.029 min
 Lab File: BF143759.D
 Acq: 15 Sep 2025 18:57

Instrument :
 BNA_F
 ClientSampleId :
 WC-30



Tgt Ion:	264	Resp:	25194
Ion Ratio	Lower	Upper	
264	100		
260	23.4	18.4	27.6
265	23.5	17.1	25.7

