

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091525\
 Data File : BF143762.D
 Acq On : 15 Sep 2025 20:26
 Operator : RC/JU
 Sample : Q3082-10
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-33

Quant Time: Sep 16 01:10:08 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)

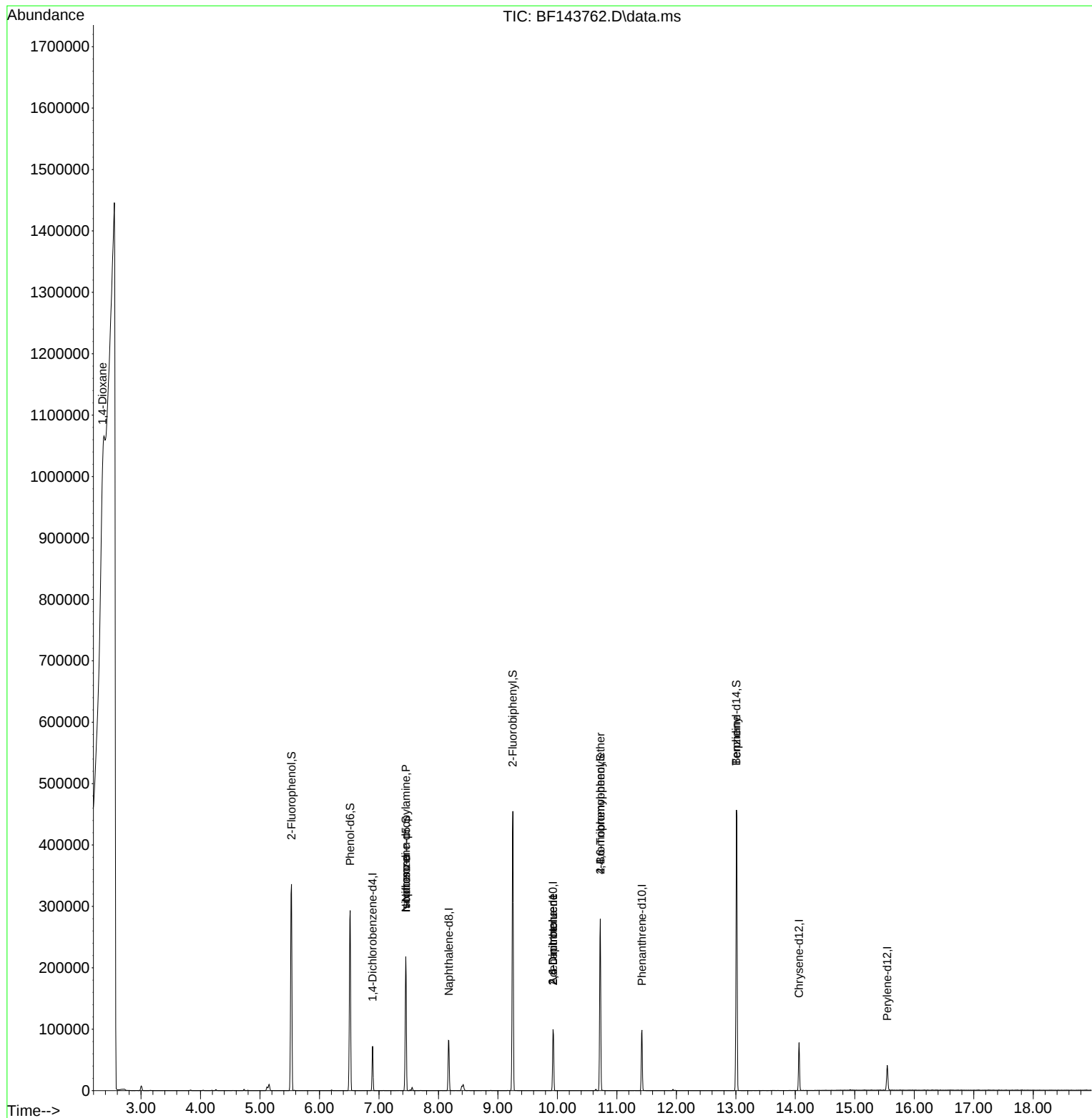
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	15993	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	57356	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	32849	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	53724	20.000	ng	0.01
76) Chrysene-d12	14.063	240	40216	20.000	ng	0.02
86) Perylene-d12	15.545	264	25943	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	142819	152.360	ng	0.03
7) Phenol-d6	6.516	99	163625	143.361	ng	0.01
23) Nitrobenzene-d5	7.451	82	103806	112.574	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	55151	166.597	ng	0.01
45) 2-Fluorobiphenyl	9.251	172	226153	104.000	ng	0.00
79) Terphenyl-d14	13.010	244	247634	99.785	ng	0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	2.352	88	2857	6.833	ng	# 21
19) n-Nitroso-di-n-propyla...	7.451	70	13272	18.934	ng	# 78
25) Isophorone	7.451	82	103553	58.564	ng	# 64
51) 2,6-Dinitrotoluene	9.928	165	4449	10.887	ng	# 27
57) 2,4-Dinitrotoluene	9.928	165	4449	7.999	ng	# 27
67) 4-Bromophenyl-phenylether	10.722	248	3672	5.668	ng	# 1
77) Benzidine	13.010	184	2825	2.154	ng	95

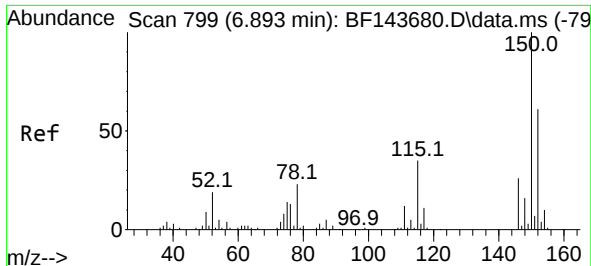
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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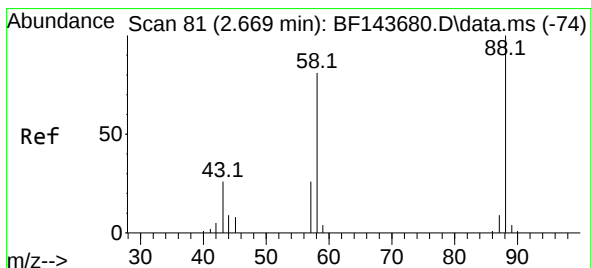
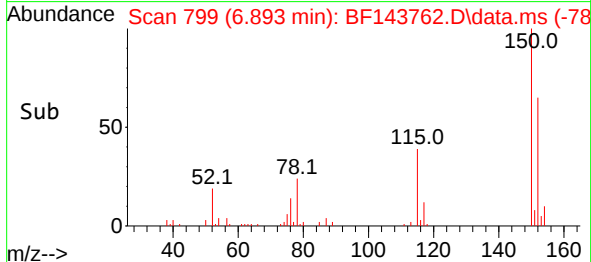
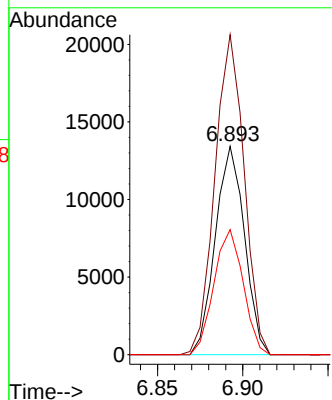
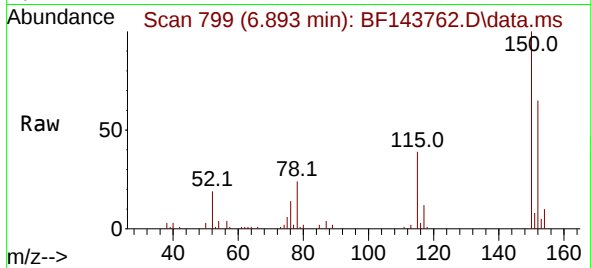




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.893 min Scan# 79
 Delta R.T. -0.000 min
 Lab File: BF143762.D
 Acq: 15 Sep 2025 20:26

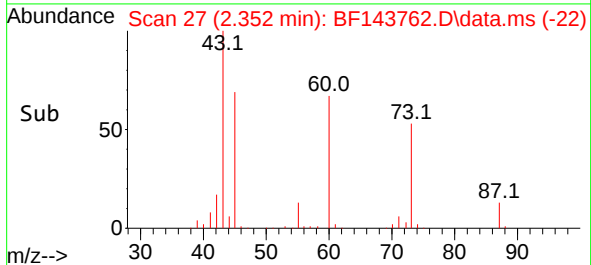
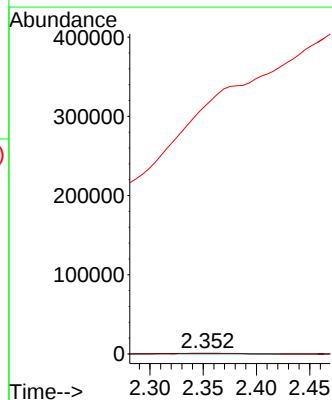
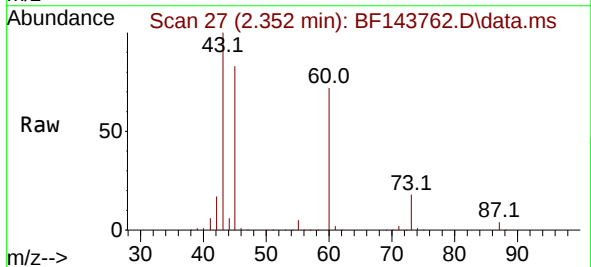
Instrument :
 BNA_F
 ClientSampleId :
 WC-33

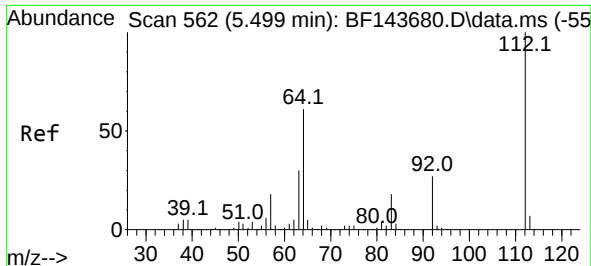
Tgt Ion:152 Resp: 15993
 Ion Ratio Lower Upper
 152 100
 150 153.6 130.7 196.1
 115 60.0 45.9 68.9



#2
 1,4-Dioxane
 Concen: 6.833 ng
 RT: 2.352 min Scan# 27
 Delta R.T. -0.318 min
 Lab File: BF143762.D
 Acq: 15 Sep 2025 20:26

Tgt Ion: 88 Resp: 2857
 Ion Ratio Lower Upper
 88 100
 58 3.6 65.8 98.6#
 43 0.0 20.6 31.0#

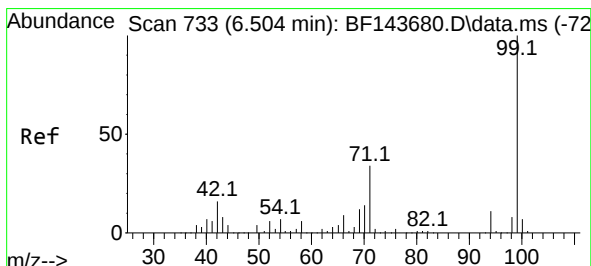
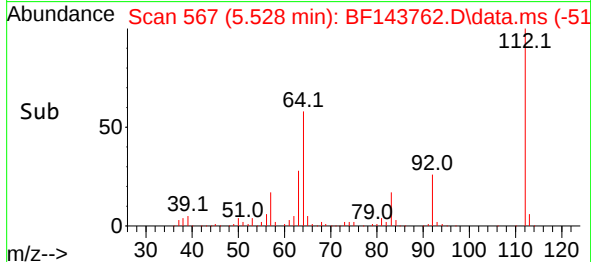
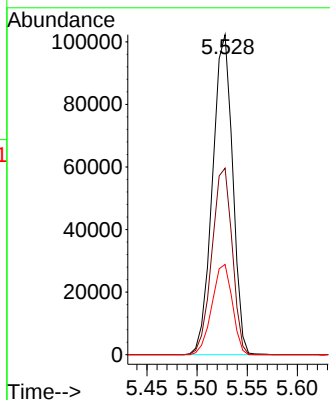
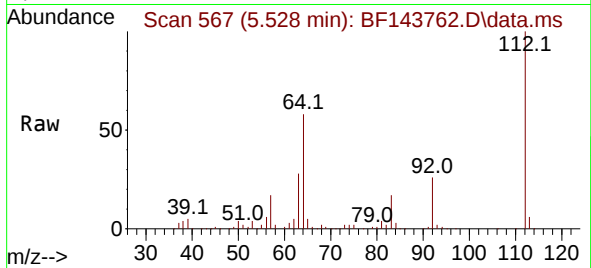




#5
2-Fluorophenol
Concen: 152.360 ng
RT: 5.528 min Scan# 51
Delta R.T. 0.029 min
Lab File: BF143762.D
Acq: 15 Sep 2025 20:26

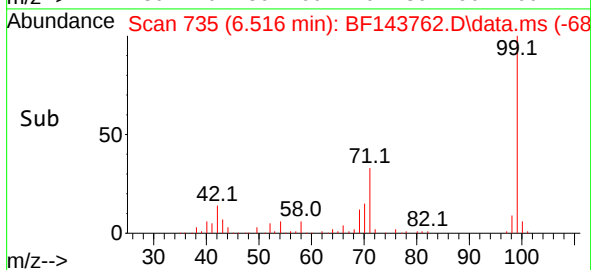
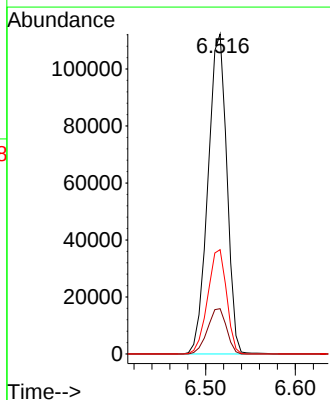
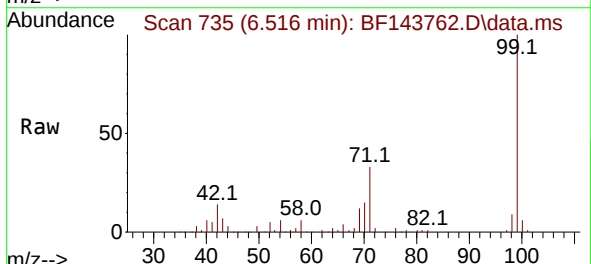
Instrument :
BNA_F
ClientSampleId :
WC-33

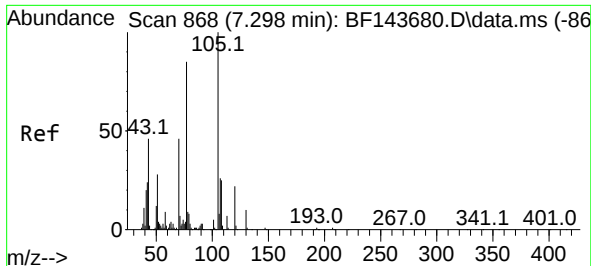
Tgt Ion:112 Resp: 142819
Ion Ratio Lower Upper
112 100
64 58.3 49.0 73.4
63 28.2 24.3 36.5



#7
Phenol-d6
Concen: 143.361 ng
RT: 6.516 min Scan# 735
Delta R.T. 0.012 min
Lab File: BF143762.D
Acq: 15 Sep 2025 20:26

Tgt Ion: 99 Resp: 163625
Ion Ratio Lower Upper
99 100
42 14.2 13.0 19.4
71 32.6 27.4 41.2

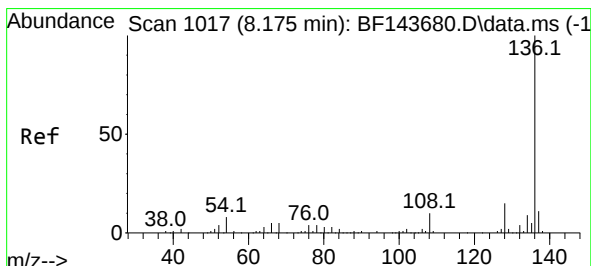
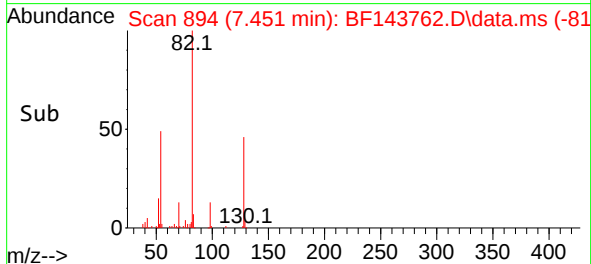
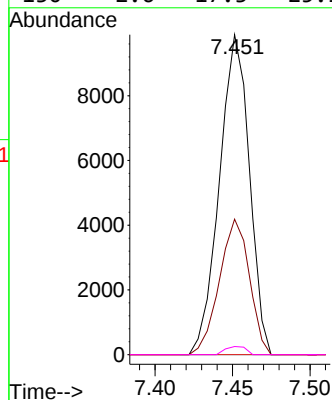
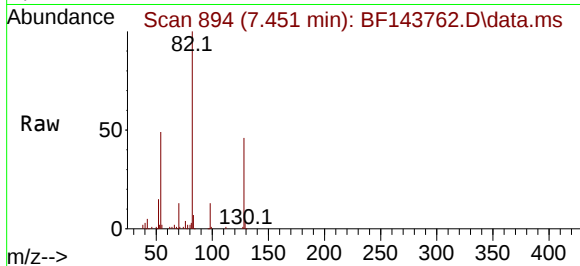




#19
n-Nitroso-di-n-propylamine
Concen: 18.934 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.153 min
Lab File: BF143762.D
Acq: 15 Sep 2025 20:26

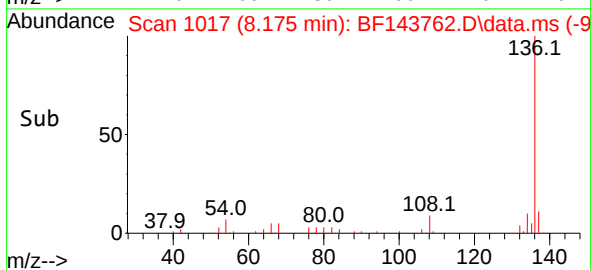
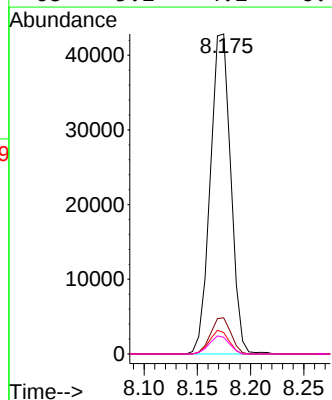
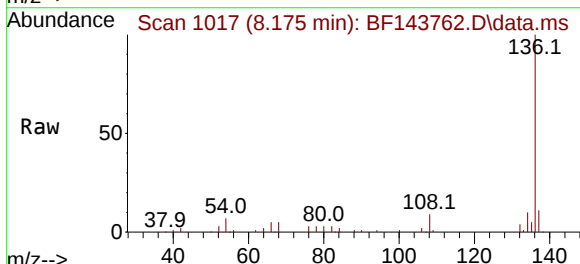
Instrument :
BNA_F
ClientSampleId :
WC-33

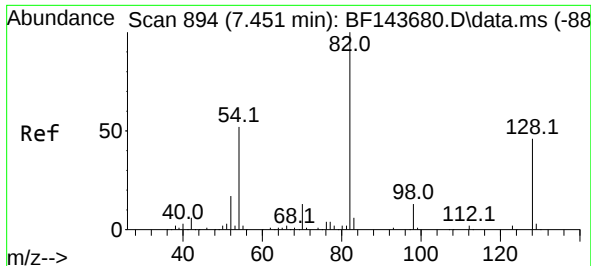
Tgt Ion:	70	Resp:	13272
Ion	Ratio	Lower	Upper
70	100		
42	42.3	41.4	62.2
101	0.0	8.1	12.1#
130	2.6	17.3	25.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.000 min
Lab File: BF143762.D
Acq: 15 Sep 2025 20:26

Tgt Ion:	136	Resp:	57356
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.7	13.1
54	6.7	6.2	9.2
68	5.2	4.2	6.4





#23

Nitrobenzene-d5

Concen: 112.574 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.000 min

Lab File: BF143762.D

Acq: 15 Sep 2025 20:26

Instrument :

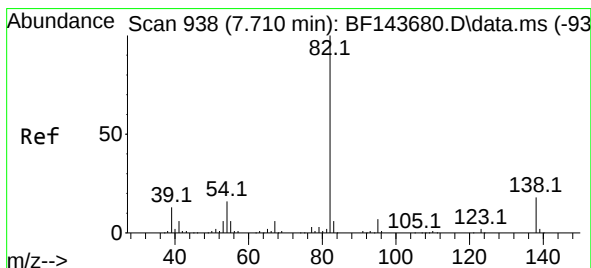
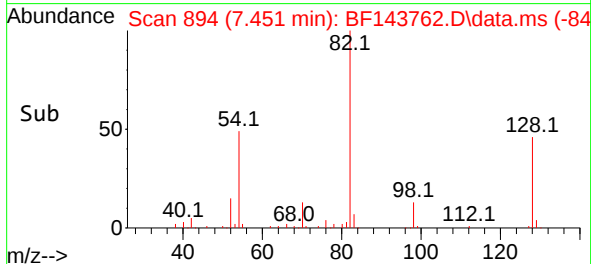
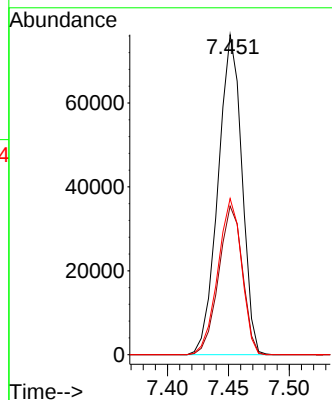
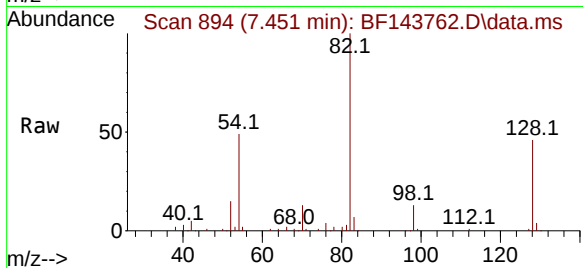
BNA_F

ClientSampleId :

WC-33

Tgt Ion: 82 Resp: 103806

Ion	Ratio	Lower	Upper
82	100		
128	46.4	37.0	55.4
54	48.8	41.8	62.8



#25

Isophorone

Concen: 58.564 ng

RT: 7.451 min Scan# 894

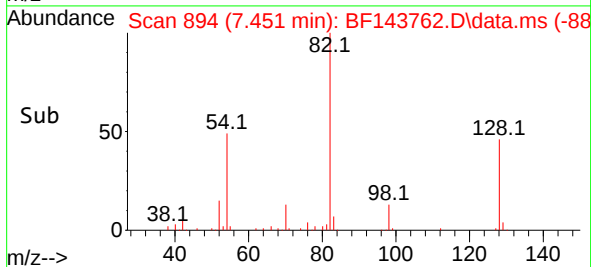
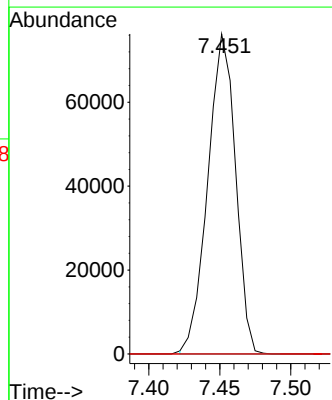
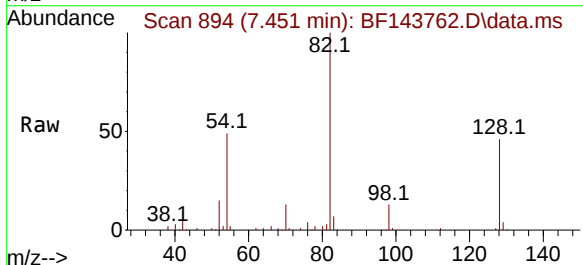
Delta R.T. -0.259 min

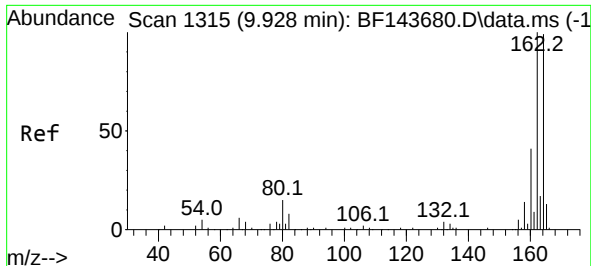
Lab File: BF143762.D

Acq: 15 Sep 2025 20:26

Tgt Ion: 82 Resp: 103553

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# 1

Delta R.T. -0.000 min

Lab File: BF143762.D

Acq: 15 Sep 2025 20:26

Instrument :

BNA_F

ClientSampleId :

WC-33

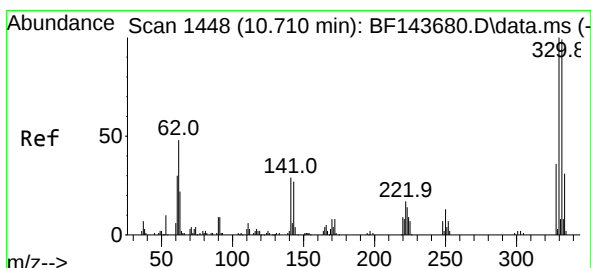
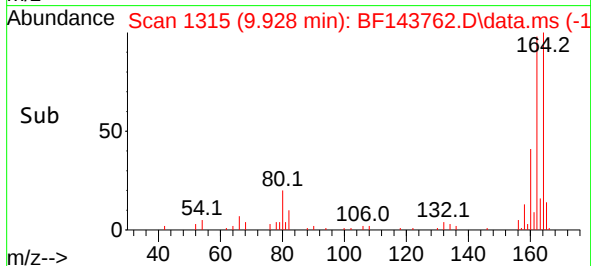
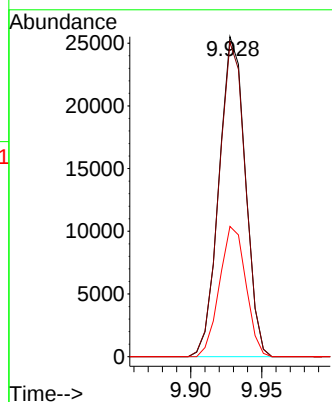
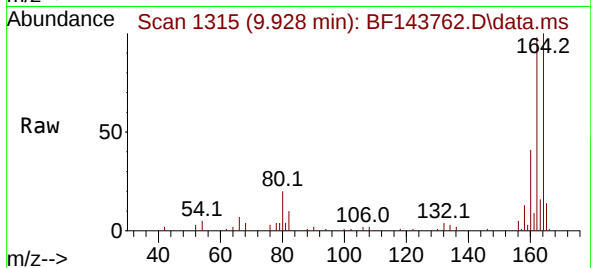
Tgt Ion:164 Resp: 32849

Ion Ratio Lower Upper

164 100

162 98.2 80.6 121.0

160 40.7 33.0 49.4



#42

2,4,6-Tribromophenol

Concen: 166.597 ng

RT: 10.722 min Scan# 1450

Delta R.T. 0.012 min

Lab File: BF143762.D

Acq: 15 Sep 2025 20:26

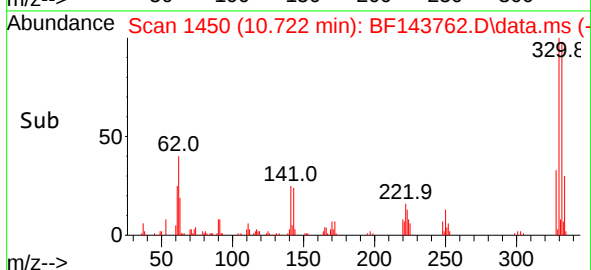
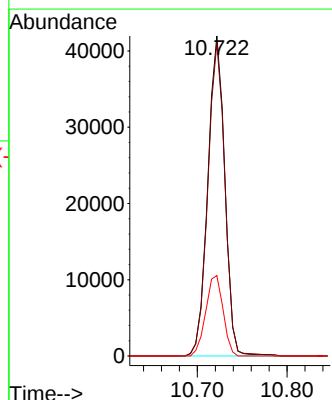
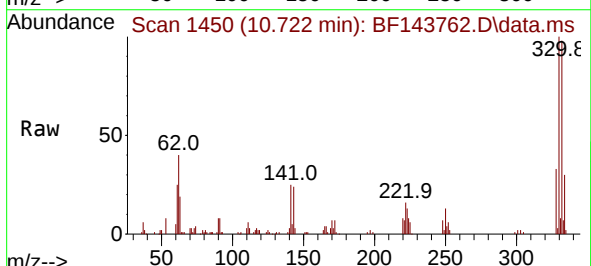
Tgt Ion:330 Resp: 55151

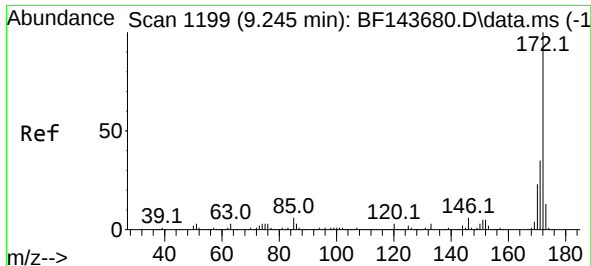
Ion Ratio Lower Upper

330 100

332 98.0 79.2 118.8

141 25.6 22.2 33.4

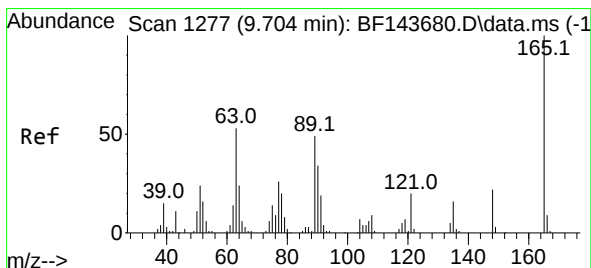
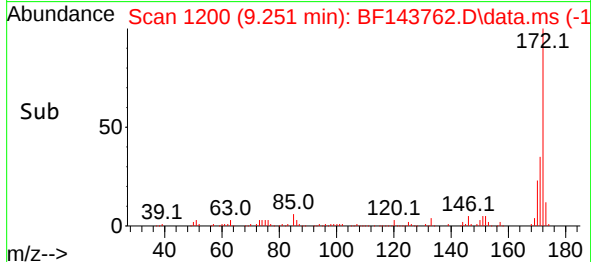
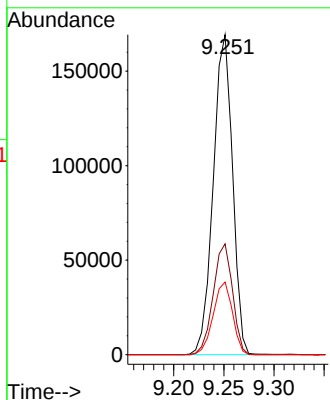
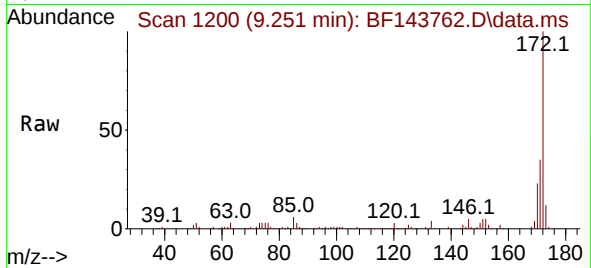




#45
2-Fluorobiphenyl
Concen: 104.000 ng
RT: 9.251 min Scan# 1199
Delta R.T. 0.006 min
Lab File: BF143762.D
Acq: 15 Sep 2025 20:26

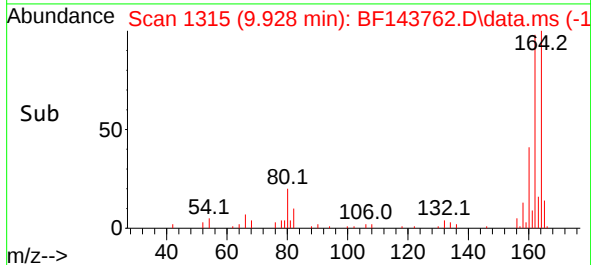
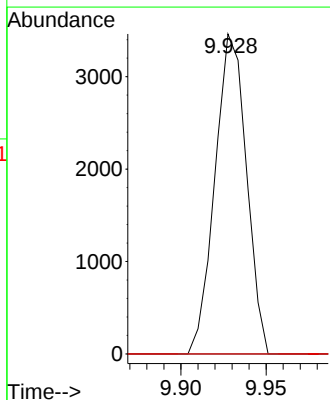
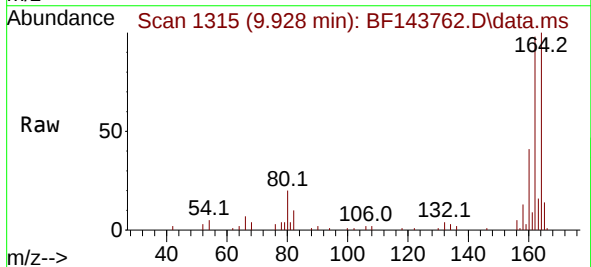
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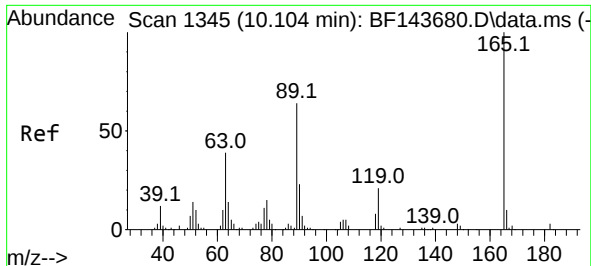
Tgt Ion:172 Resp: 226153
Ion Ratio Lower Upper
172 100
171 34.6 27.9 41.9
170 22.7 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 10.887 ng
RT: 9.928 min Scan# 1315
Delta R.T. 0.223 min
Lab File: BF143762.D
Acq: 15 Sep 2025 20:26

Tgt Ion:165 Resp: 4449
Ion Ratio Lower Upper
165 100
63 0.0 42.2 63.4#
89 0.0 39.3 58.9#

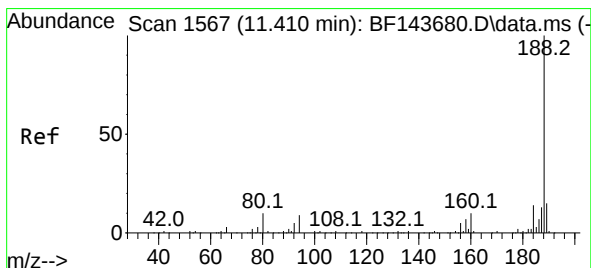
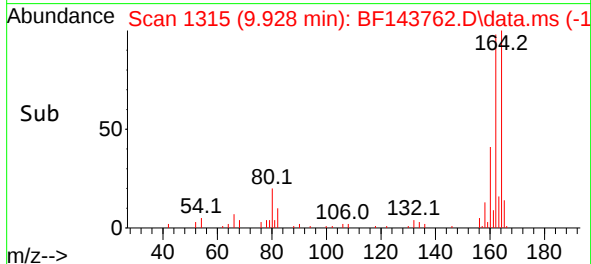
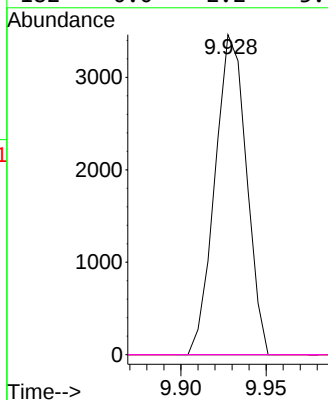
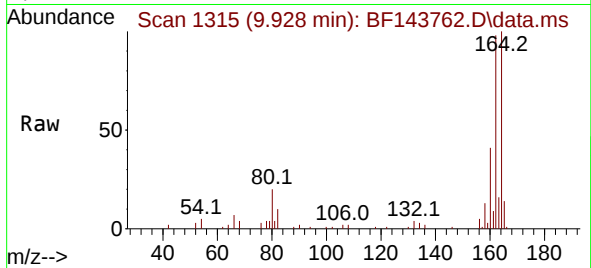




#57
2,4-Dinitrotoluene
Concen: 7.999 ng
RT: 9.928 min Scan# 11
Delta R.T. -0.177 min
Lab File: BF143762.D
Acq: 15 Sep 2025 20:26

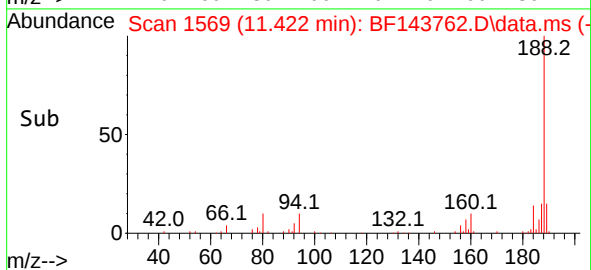
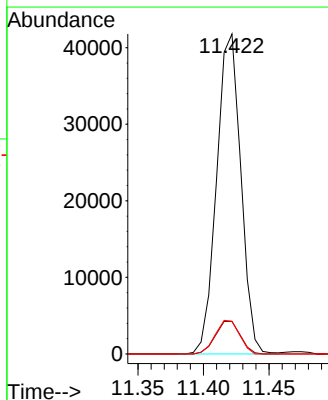
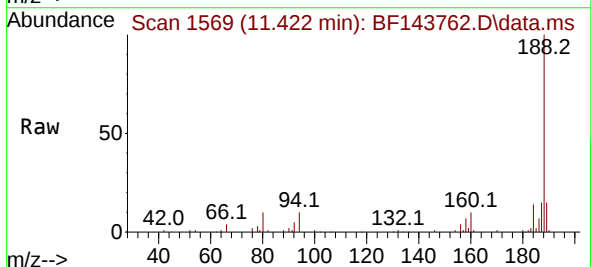
Instrument :
BNA_F
ClientSampleId :
WC-33

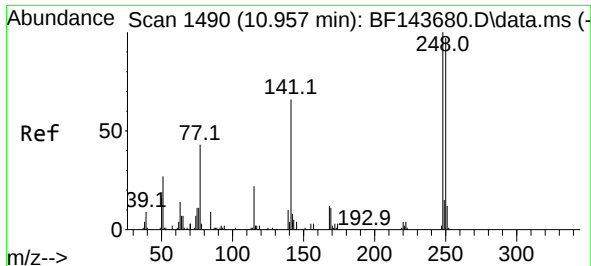
Tgt Ion:165 Resp: 4449
Ion Ratio Lower Upper
165 100
63 0.0 31.5 47.3#
89 0.0 51.3 76.9#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. 0.012 min
Lab File: BF143762.D
Acq: 15 Sep 2025 20:26

Tgt Ion:188 Resp: 53724
Ion Ratio Lower Upper
188 100
94 10.2 7.4 11.0
80 10.3 7.7 11.5





#67

4-Bromophenyl-phenylether

Concen: 5.668 ng

RT: 10.722 min Scan# 14

Delta R.T. -0.235 min

Lab File: BF143762.D

Acq: 15 Sep 2025 20:26

Instrument :

BNA_F

ClientSampleId :

WC-33

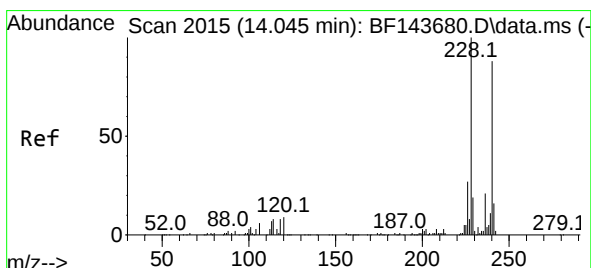
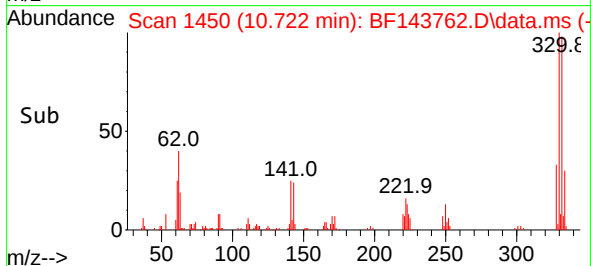
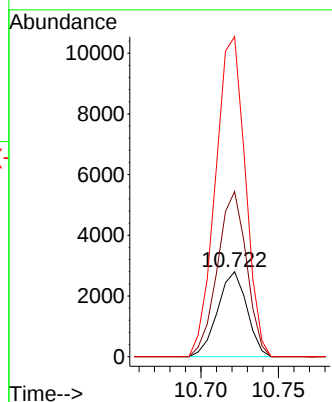
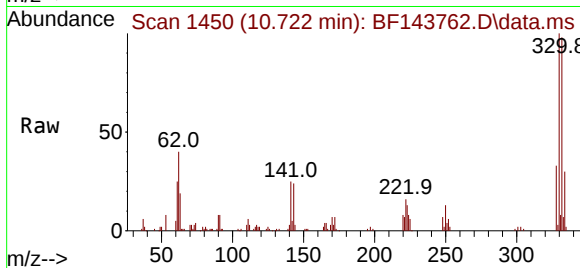
Tgt Ion:248 Resp: 3672

Ion Ratio Lower Upper

248 100

250 194.2 77.5 116.3#

141 376.5 52.6 79.0#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2018

Delta R.T. 0.018 min

Lab File: BF143762.D

Acq: 15 Sep 2025 20:26

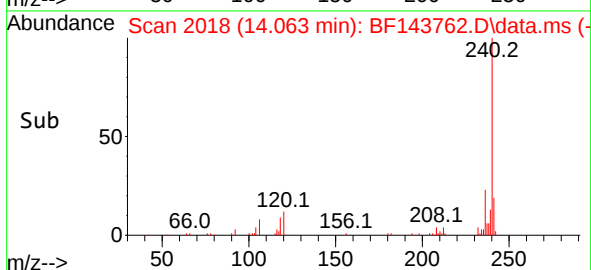
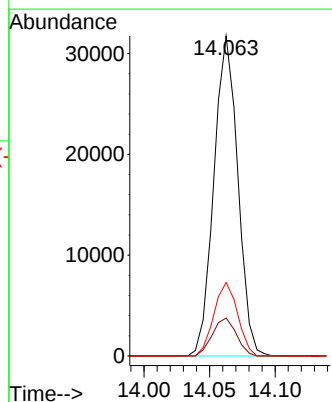
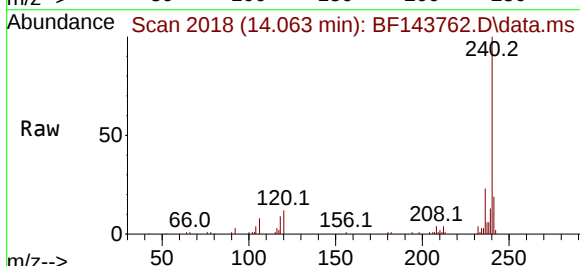
Tgt Ion:240 Resp: 40216

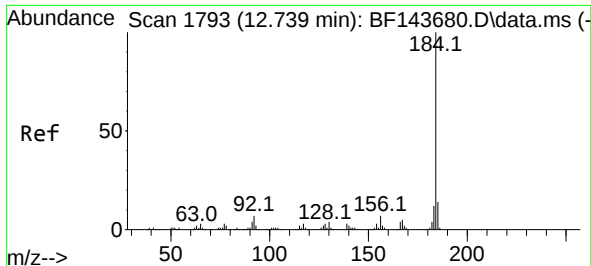
Ion Ratio Lower Upper

240 100

120 11.8 8.4 12.6

236 22.9 18.6 28.0

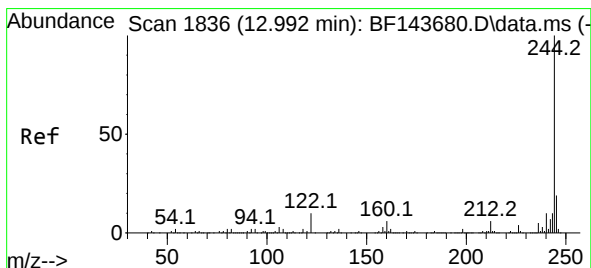
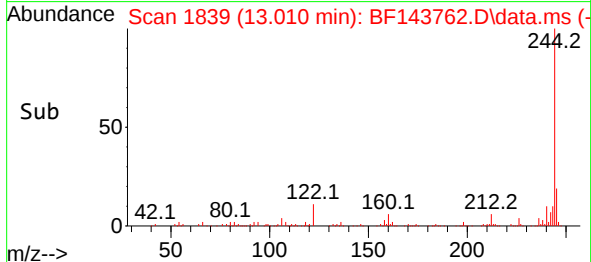
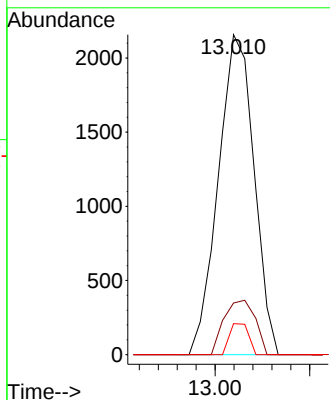
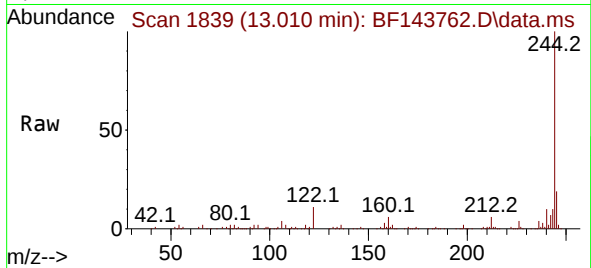




#77
Benzidine
Concen: 2.154 ng
RT: 13.010 min Scan# 1839
Delta R.T. 0.271 min
Lab File: BF143762.D
Acq: 15 Sep 2025 20:26

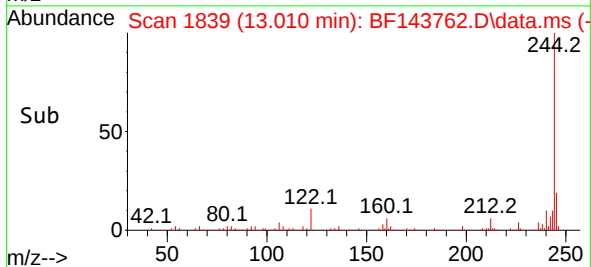
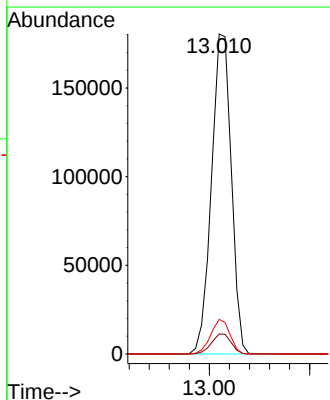
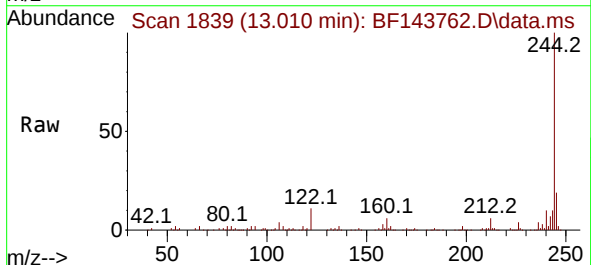
Instrument :
BNA_F
ClientSampleId :
WC-33

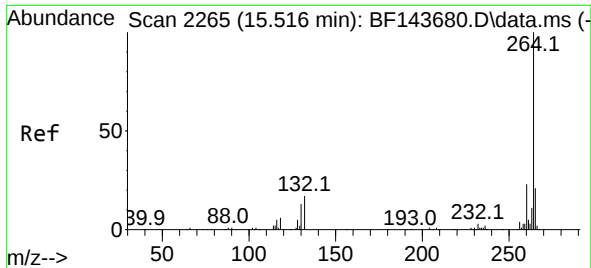
Tgt Ion:184 Resp: 2825
Ion Ratio Lower Upper
184 100
185 16.1 11.5 17.3
183 9.7 9.4 14.2



#79
Terphenyl-d14
Concen: 99.785 ng
RT: 13.010 min Scan# 1839
Delta R.T. 0.018 min
Lab File: BF143762.D
Acq: 15 Sep 2025 20:26

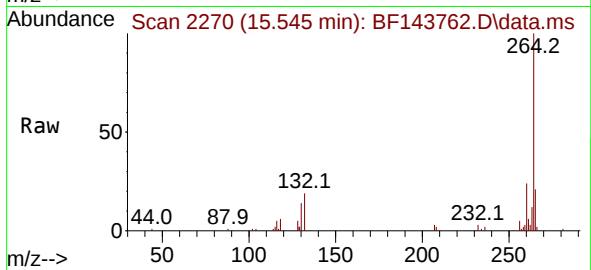
Tgt Ion:244 Resp: 247634
Ion Ratio Lower Upper
244 100
212 6.2 5.0 7.6
122 10.8 7.9 11.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 21
Delta R.T. 0.029 min
Lab File: BF143762.D
Acq: 15 Sep 2025 20:26

Instrument :
BNA_F
ClientSampleId :
WC-33



Tgt Ion:	264	Resp:	25943
Ion Ratio	Lower	Upper	
264	100		
260	24.2	18.4	27.6
265	20.9	17.1	25.7

