

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091525\
 Data File : BF143760.D
 Acq On : 15 Sep 2025 19:27
 Operator : RC/JU
 Sample : Q3082-06
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-31

Quant Time: Sep 16 01:09:12 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)

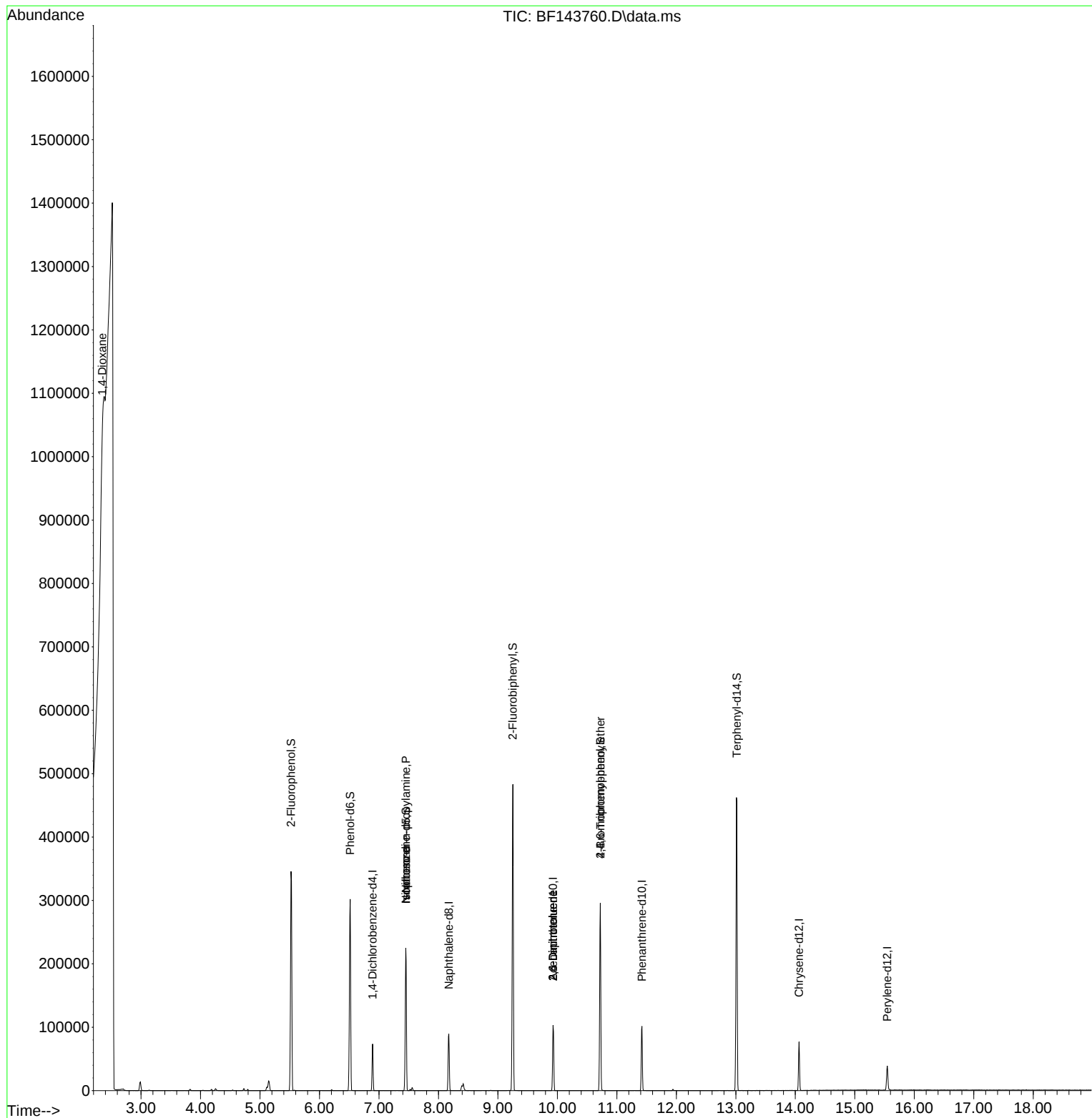
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	15919	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	61150	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	33392	20.000	ng	0.00
64) Phenanthrene-d10	11.421	188	56868	20.000	ng	0.01
76) Chrysene-d12	14.062	240	38752	20.000	ng	0.02
86) Perylene-d12	15.545	264	25248	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	145180	155.599	ng	0.02
7) Phenol-d6	6.516	99	168435	148.261	ng	0.01
23) Nitrobenzene-d5	7.451	82	110136	112.028	ng	0.00
42) 2,4,6-Tribromophenol	10.721	330	57849	171.905	ng	0.01
45) 2-Fluorobiphenyl	9.251	172	236810	107.130	ng	0.00
79) Terphenyl-d14	13.015	244	250069	104.573	ng	0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.345	88	2318	5.569	ng	# 18
19) n-Nitroso-di-n-propyla...	7.451	70	13785	19.757	ng	# 79
25) Isophorone	7.451	82	109926	58.311	ng	# 64
51) 2,6-Dinitrotoluene	9.927	165	4337	10.441	ng	# 27
57) 2,4-Dinitrotoluene	9.927	165	4337	7.671	ng	# 27
67) 4-Bromophenyl-phenylether	10.721	248	3539	5.161	ng	# 1

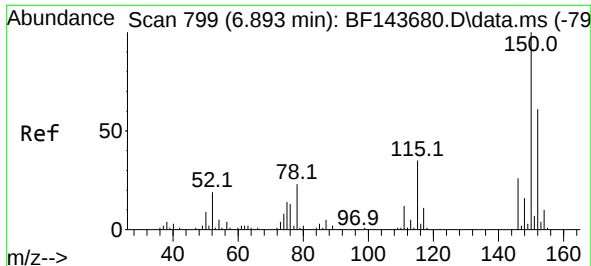
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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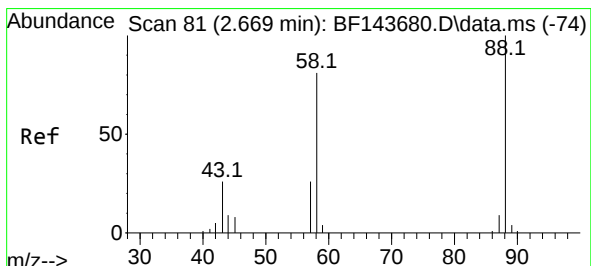
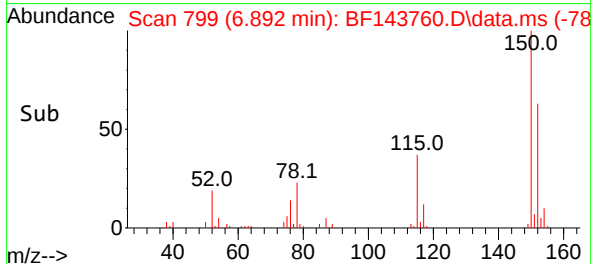
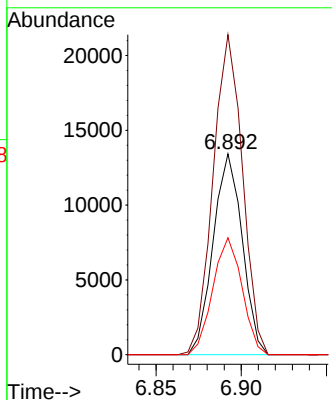
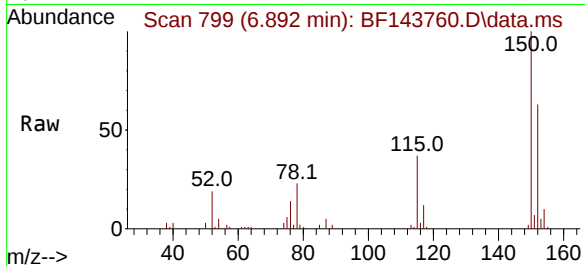




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.892 min Scan# 799
 Delta R.T. -0.001 min
 Lab File: BF143760.D
 Acq: 15 Sep 2025 19:27

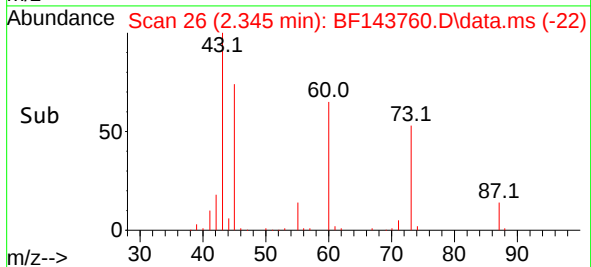
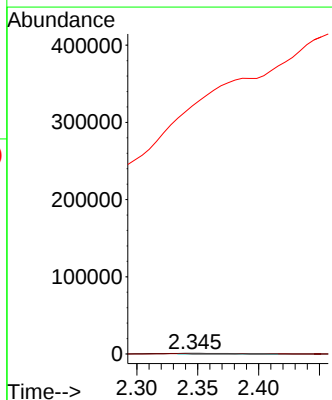
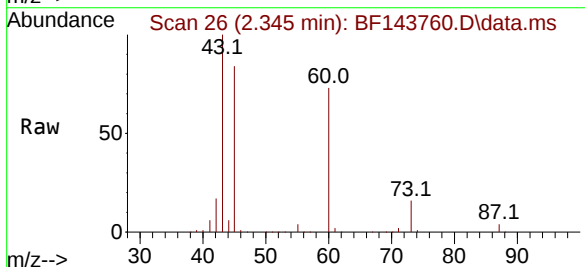
Instrument :
 BNA_F
 ClientSampleId :
 WC-31

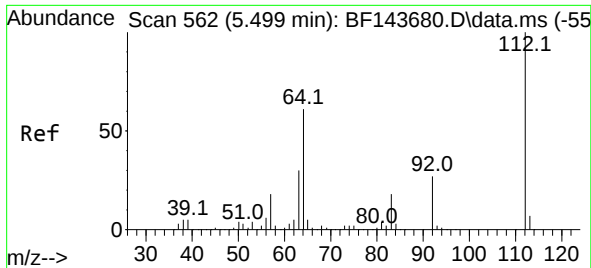
Tgt Ion:152 Resp: 15919
 Ion Ratio Lower Upper
 152 100
 150 159.3 130.7 196.1
 115 58.2 45.9 68.9



#2
 1,4-Dioxane
 Concen: 5.569 ng
 RT: 2.345 min Scan# 26
 Delta R.T. -0.324 min
 Lab File: BF143760.D
 Acq: 15 Sep 2025 19:27

Tgt Ion: 88 Resp: 2318
 Ion Ratio Lower Upper
 88 100
 58 0.0 65.8 98.6#
 43 0.0 20.6 31.0#

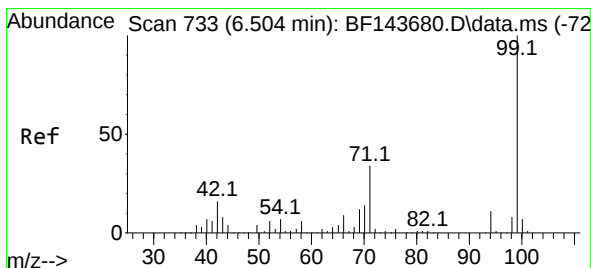
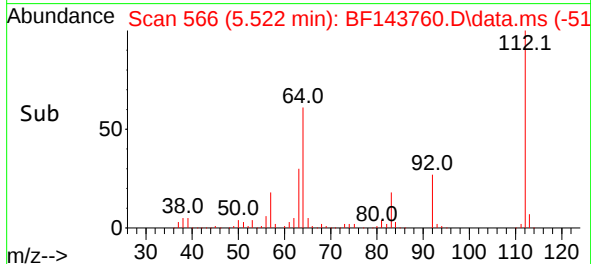
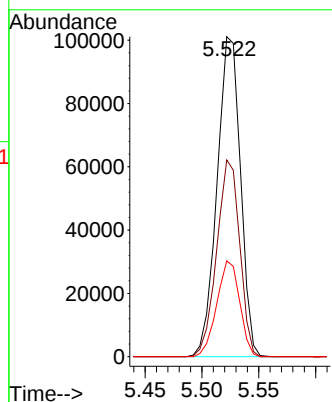
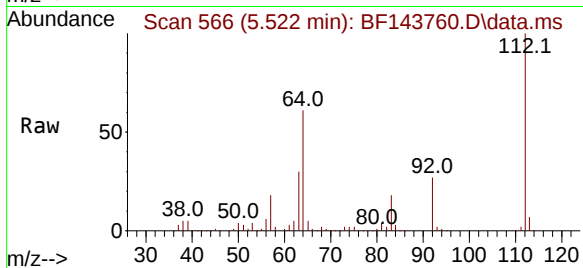




#5
2-Fluorophenol
Concen: 155.599 ng
RT: 5.522 min Scan# 50
Delta R.T. 0.023 min
Lab File: BF143760.D
Acq: 15 Sep 2025 19:27

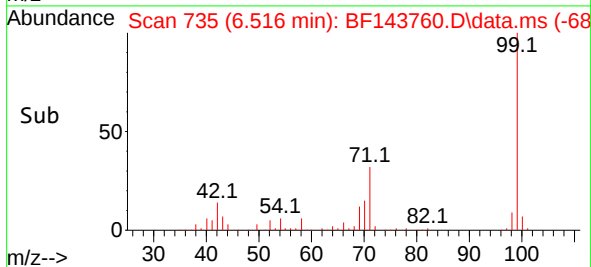
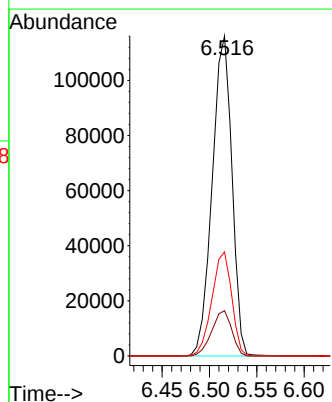
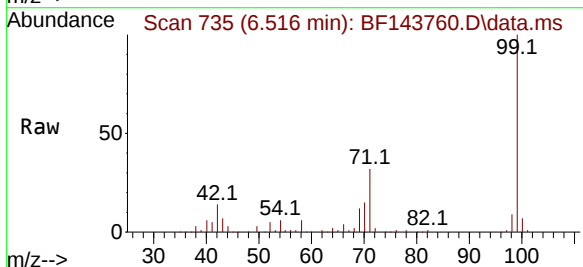
Instrument :
BNA_F
ClientSampleId :
WC-31

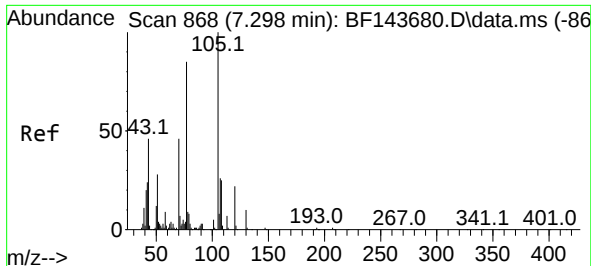
Tgt Ion:112 Resp: 145180
Ion Ratio Lower Upper
112 100
64 61.5 49.0 73.4
63 29.9 24.3 36.5



#7
Phenol-d6
Concen: 148.261 ng
RT: 6.516 min Scan# 735
Delta R.T. 0.011 min
Lab File: BF143760.D
Acq: 15 Sep 2025 19:27

Tgt Ion: 99 Resp: 168435
Ion Ratio Lower Upper
99 100
42 14.2 13.0 19.4
71 32.5 27.4 41.2

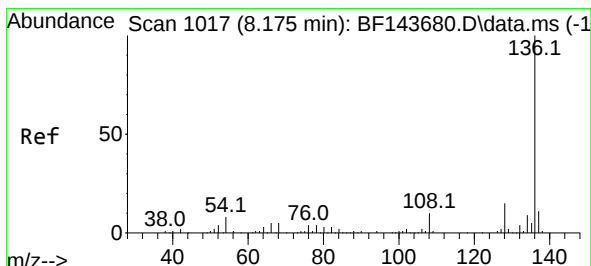
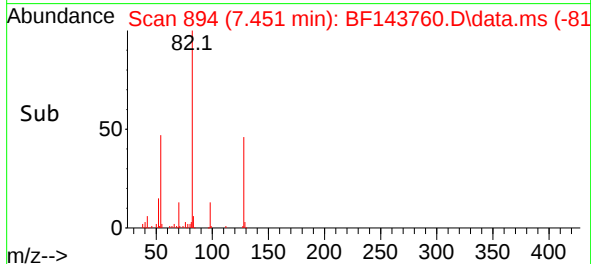
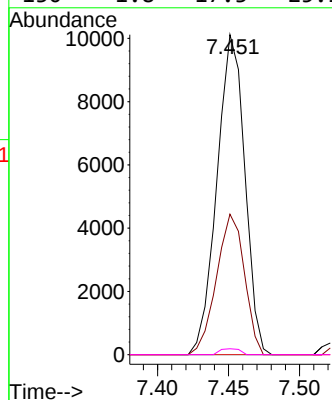
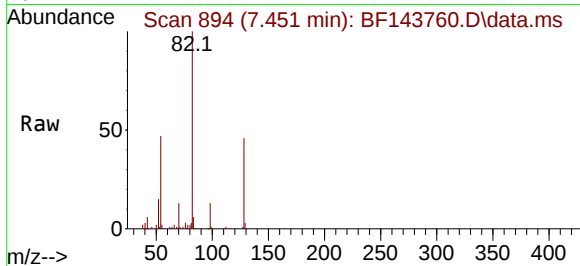




#19
n-Nitroso-di-n-propylamine
Concen: 19.757 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.153 min
Lab File: BF143760.D
Acq: 15 Sep 2025 19:27

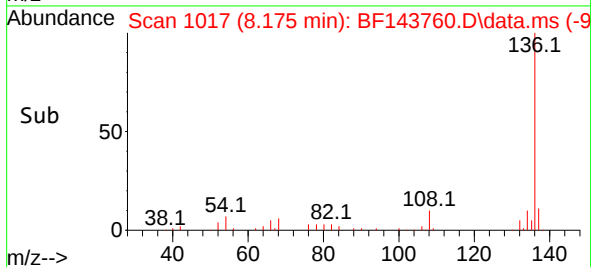
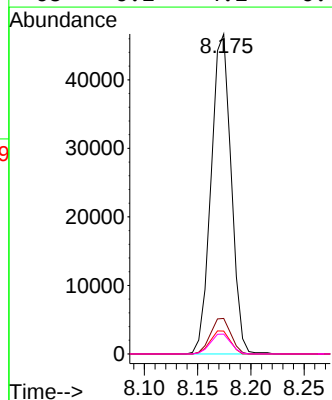
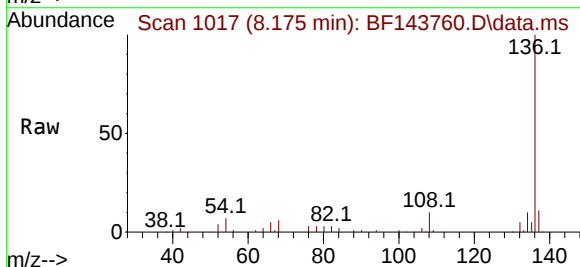
Instrument :
BNA_F
ClientSampleId :
WC-31

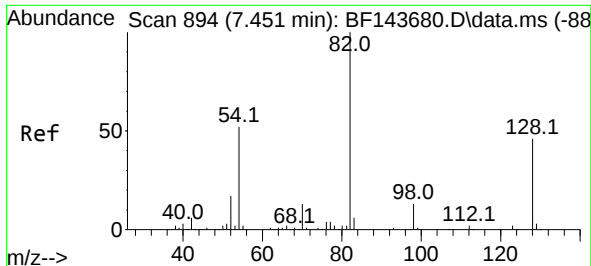
Tgt Ion:	70	Resp:	13785
Ion	Ratio	Lower	Upper
70	100		
42	43.9	41.4	62.2
101	0.0	8.1	12.1#
130	1.8	17.3	25.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.000 min
Lab File: BF143760.D
Acq: 15 Sep 2025 19:27

Tgt Ion:	136	Resp:	61150
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	7.1	6.2	9.2
68	6.2	4.2	6.4





#23

Nitrobenzene-d5

Concen: 112.028 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.000 min

Lab File: BF143760.D

Acq: 15 Sep 2025 19:27

Instrument :

BNA_F

ClientSampleId :

WC-31

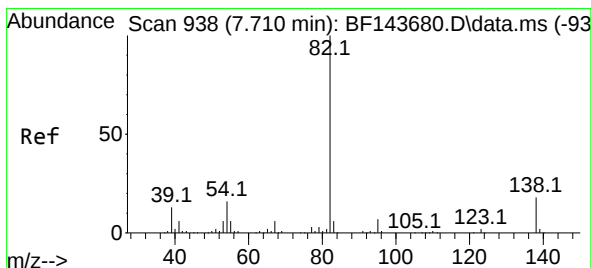
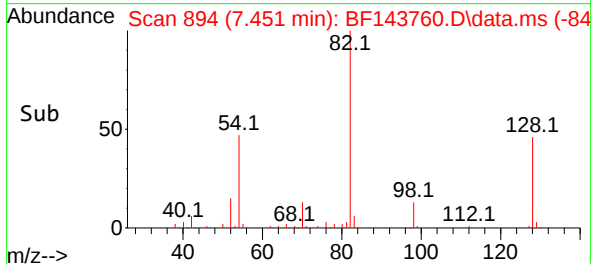
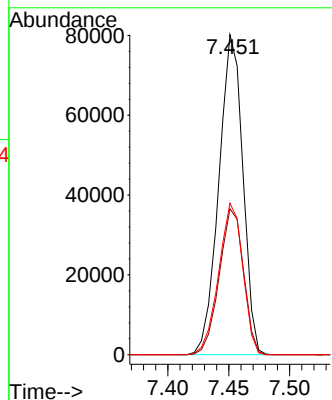
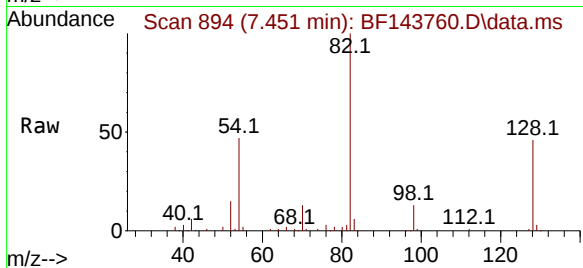
Tgt Ion: 82 Resp: 110136

Ion Ratio Lower Upper

82 100

128 45.6 37.0 55.4

54 47.3 41.8 62.8



#25

Isophorone

Concen: 58.311 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.259 min

Lab File: BF143760.D

Acq: 15 Sep 2025 19:27

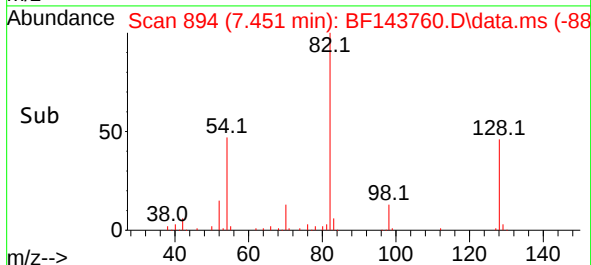
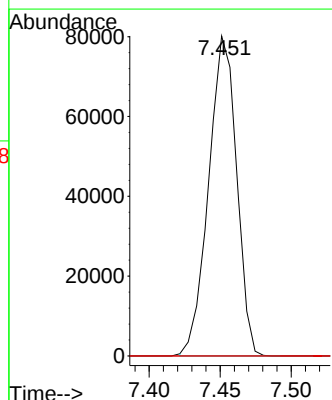
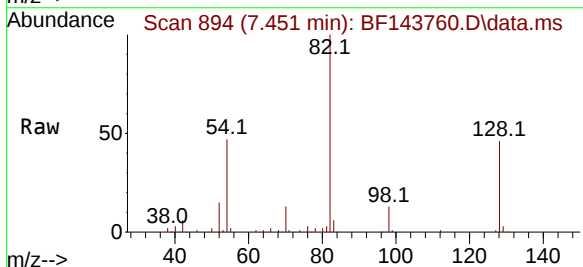
Tgt Ion: 82 Resp: 109926

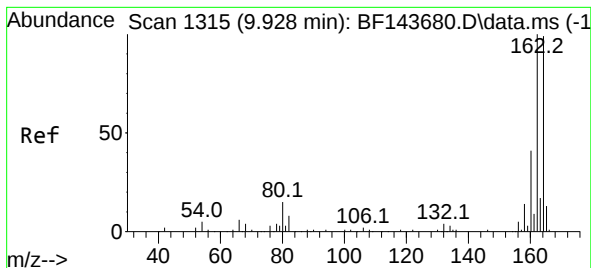
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.8 22.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.927 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143760.D

Acq: 15 Sep 2025 19:27

Instrument :

BNA_F

ClientSampleId :

WC-31

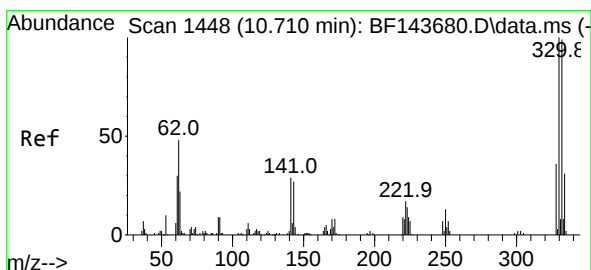
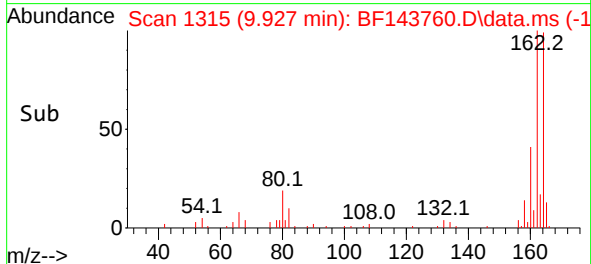
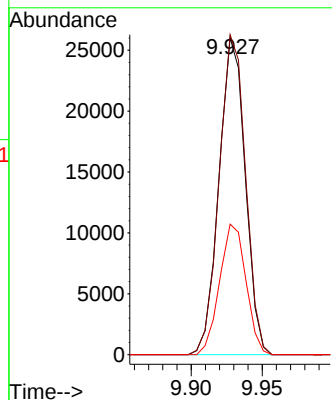
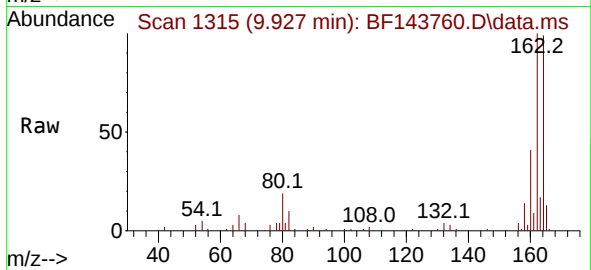
Tgt Ion:164 Resp: 33392

Ion Ratio Lower Upper

164 100

162 101.0 80.6 121.0

160 41.2 33.0 49.4



#42

2,4,6-Tribromophenol

Concen: 171.905 ng

RT: 10.721 min Scan# 1450

Delta R.T. 0.011 min

Lab File: BF143760.D

Acq: 15 Sep 2025 19:27

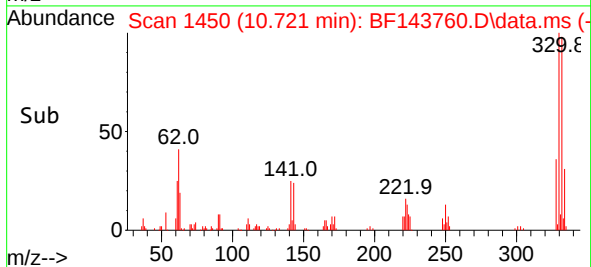
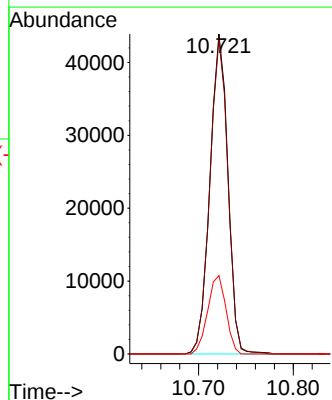
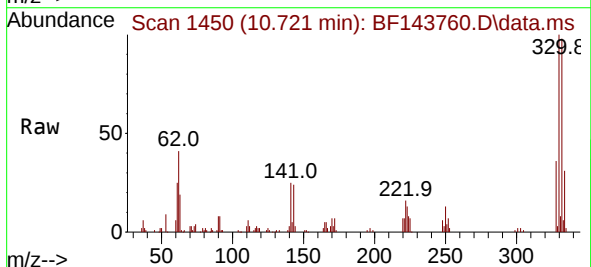
Tgt Ion:330 Resp: 57849

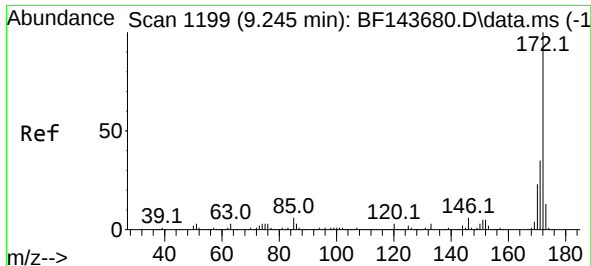
Ion Ratio Lower Upper

330 100

332 98.6 79.2 118.8

141 24.9 22.2 33.4

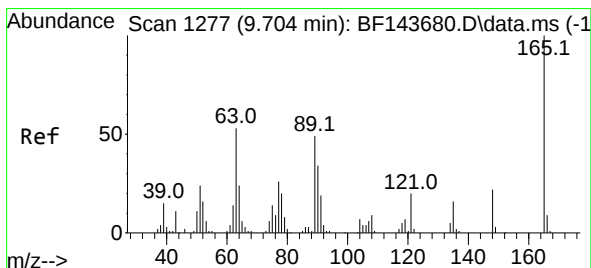
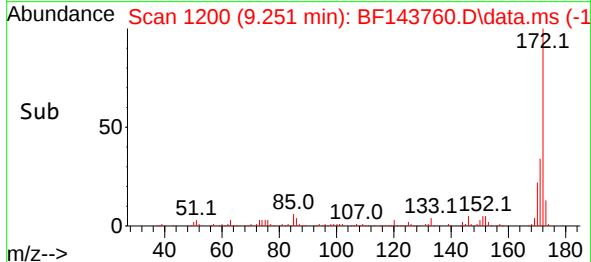
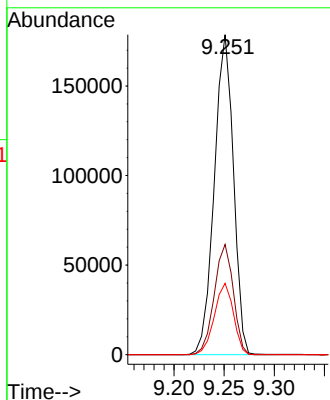
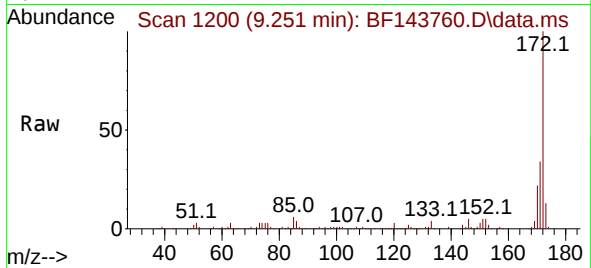




#45
2-Fluorobiphenyl
Concen: 107.130 ng
RT: 9.251 min Scan# 1199
Delta R.T. 0.005 min
Lab File: BF143760.D
Acq: 15 Sep 2025 19:27

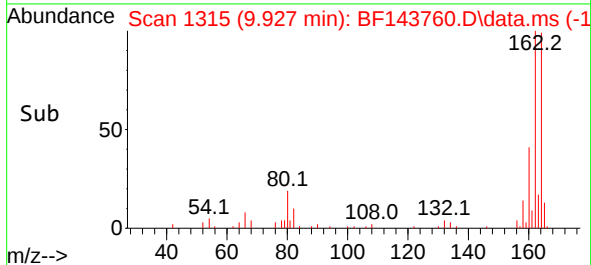
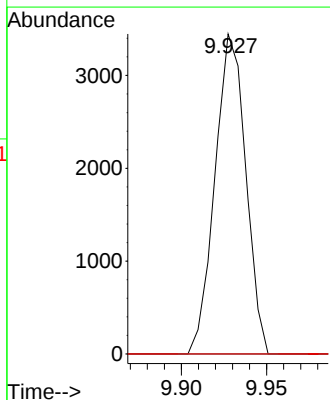
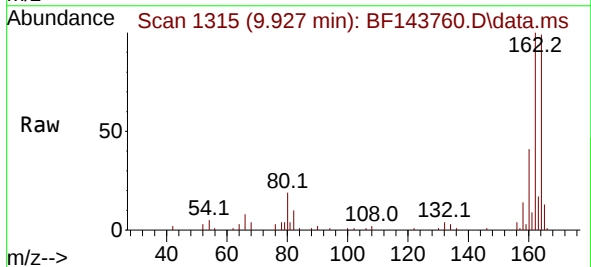
Instrument :
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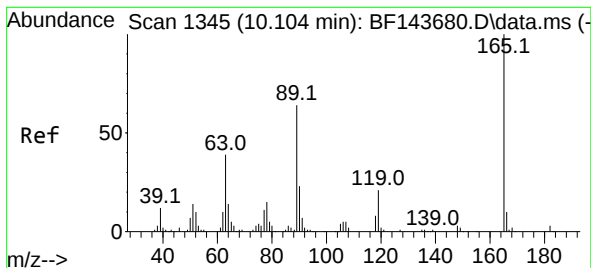
Tgt Ion:172 Resp: 236810
Ion Ratio Lower Upper
172 100
171 34.5 27.9 41.9
170 22.3 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 10.441 ng
RT: 9.927 min Scan# 1315
Delta R.T. 0.223 min
Lab File: BF143760.D
Acq: 15 Sep 2025 19:27

Tgt Ion:165 Resp: 4337
Ion Ratio Lower Upper
165 100
63 0.0 42.2 63.4#
89 0.0 39.3 58.9#

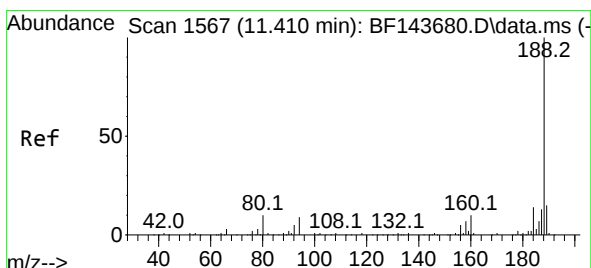
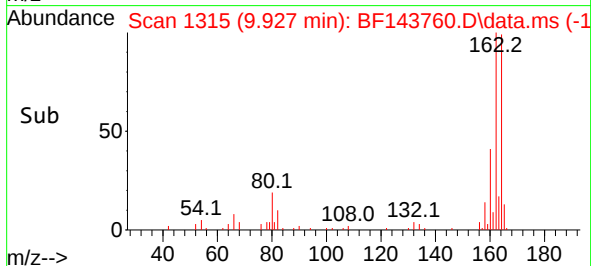
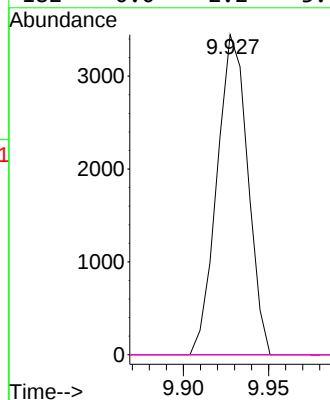
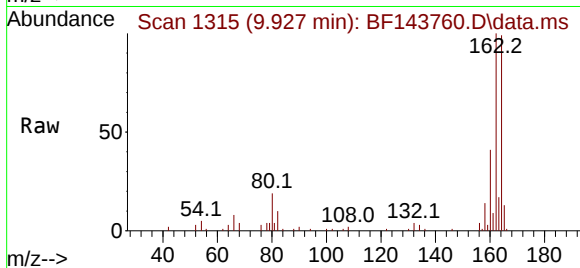




#57
2,4-Dinitrotoluene
Concen: 7.671 ng
RT: 9.927 min Scan# 11
Delta R.T. -0.177 min
Lab File: BF143760.D
Acq: 15 Sep 2025 19:27

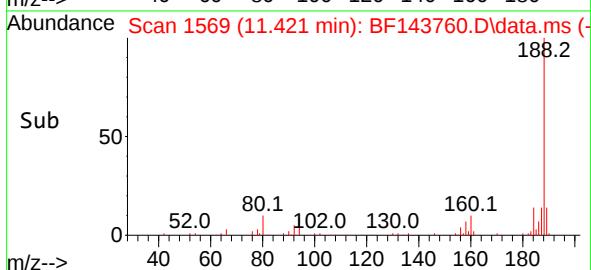
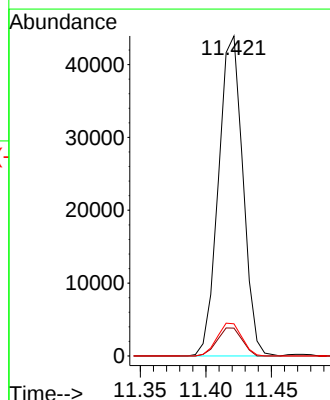
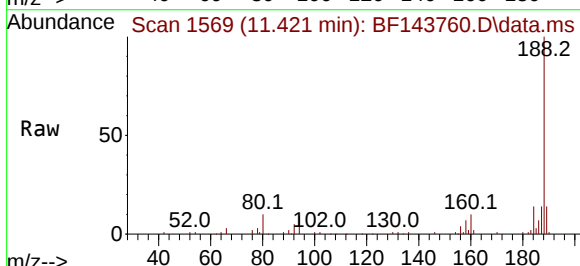
Instrument :
BNA_F
ClientSampleId :
WC-31

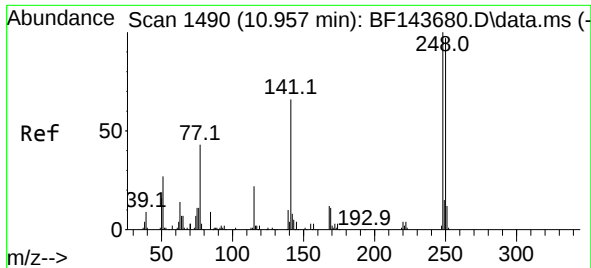
Tgt Ion:165	Resp:	4337
Ion Ratio	Lower	Upper
165	100	
63	0.0	31.5 47.3#
89	0.0	51.3 76.9#
182	0.0	2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.421 min Scan# 1569
Delta R.T. 0.011 min
Lab File: BF143760.D
Acq: 15 Sep 2025 19:27

Tgt Ion:188	Resp:	56868
Ion Ratio	Lower	Upper
188	100	
94	8.7	7.4 11.0
80	10.0	7.7 11.5

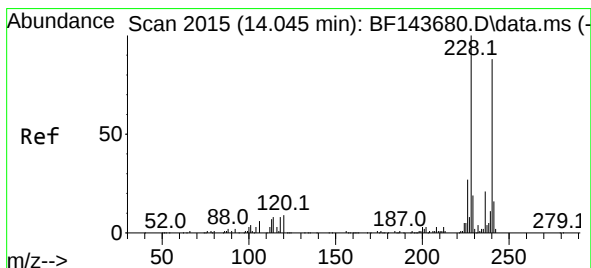
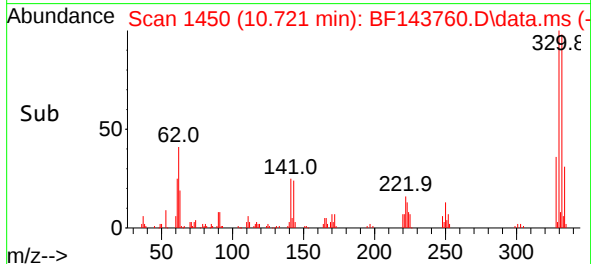
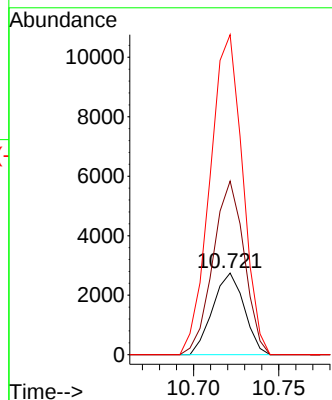
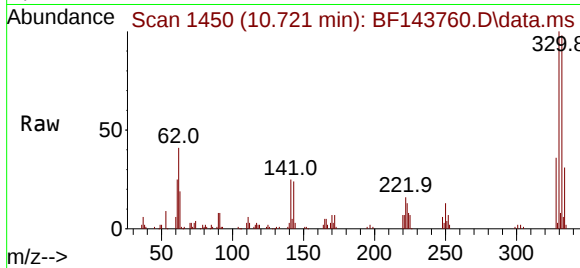




#67
4-Bromophenyl-phenylether
Concen: 5.161 ng
RT: 10.721 min Scan# 14
Delta R.T. -0.236 min
Lab File: BF143760.D
Acq: 15 Sep 2025 19:27

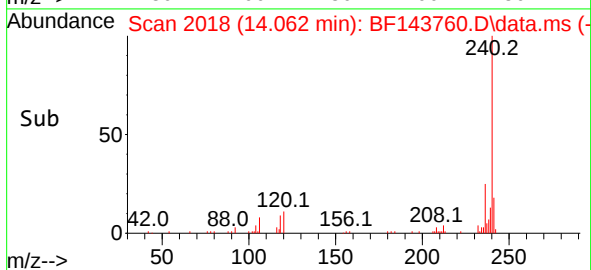
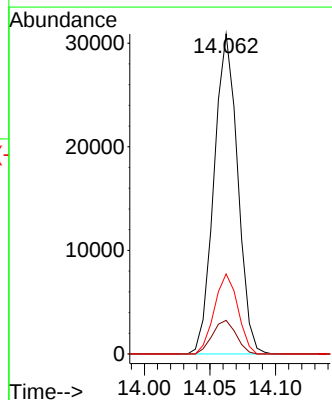
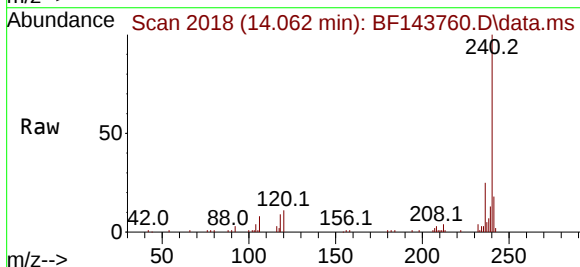
Instrument :
BNA_F
ClientSampleId :
WC-31

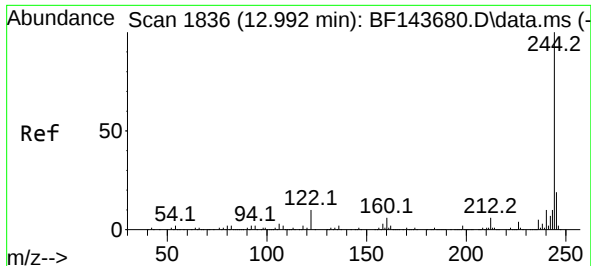
Tgt Ion:248 Resp: 3539
Ion Ratio Lower Upper
248 100
250 212.6 77.5 116.3#
141 392.0 52.6 79.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2018
Delta R.T. 0.017 min
Lab File: BF143760.D
Acq: 15 Sep 2025 19:27

Tgt Ion:240 Resp: 38752
Ion Ratio Lower Upper
240 100
120 10.5 8.4 12.6
236 25.0 18.6 28.0

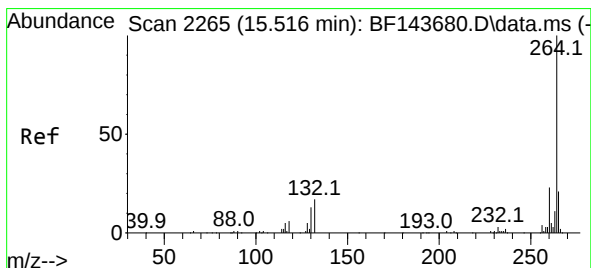
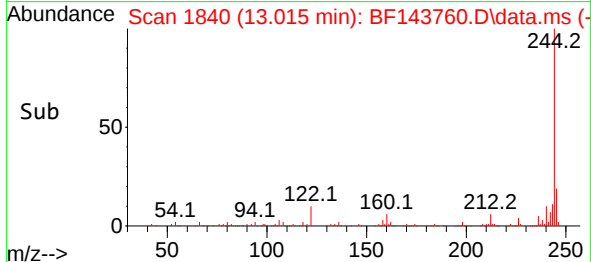
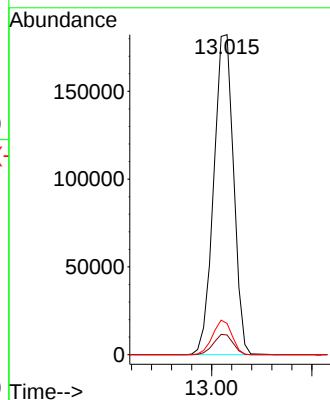
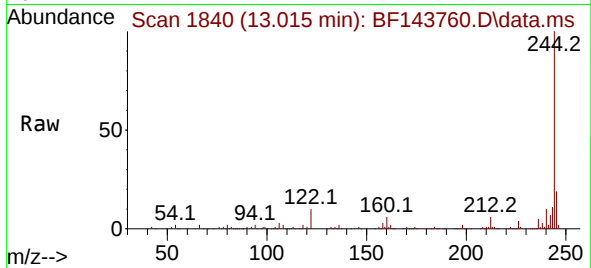




#79
 Terphenyl-d14
 Concen: 104.573 ng
 RT: 13.015 min Scan# 11
 Delta R.T. 0.023 min
 Lab File: BF143760.D
 Acq: 15 Sep 2025 19:27

Instrument :
 BNA_F
 ClientSampleId :
 WC-31

Tgt Ion:244 Resp: 250069
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.0 7.6
 122 9.8 7.9 11.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 2270
 Delta R.T. 0.029 min
 Lab File: BF143760.D
 Acq: 15 Sep 2025 19:27

Tgt Ion:264 Resp: 25248
 Ion Ratio Lower Upper
 264 100
 260 21.4 18.4 27.6
 265 21.3 17.1 25.7

