

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082225\
 Data File : BF143581.D
 Acq On : 22 Aug 2025 19:21
 Operator : RC/JU
 Sample : Q2924-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-10C-082025

Quant Time: Aug 25 02:39:30 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 21 06:12:21 2025
 Response via : Initial Calibration

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

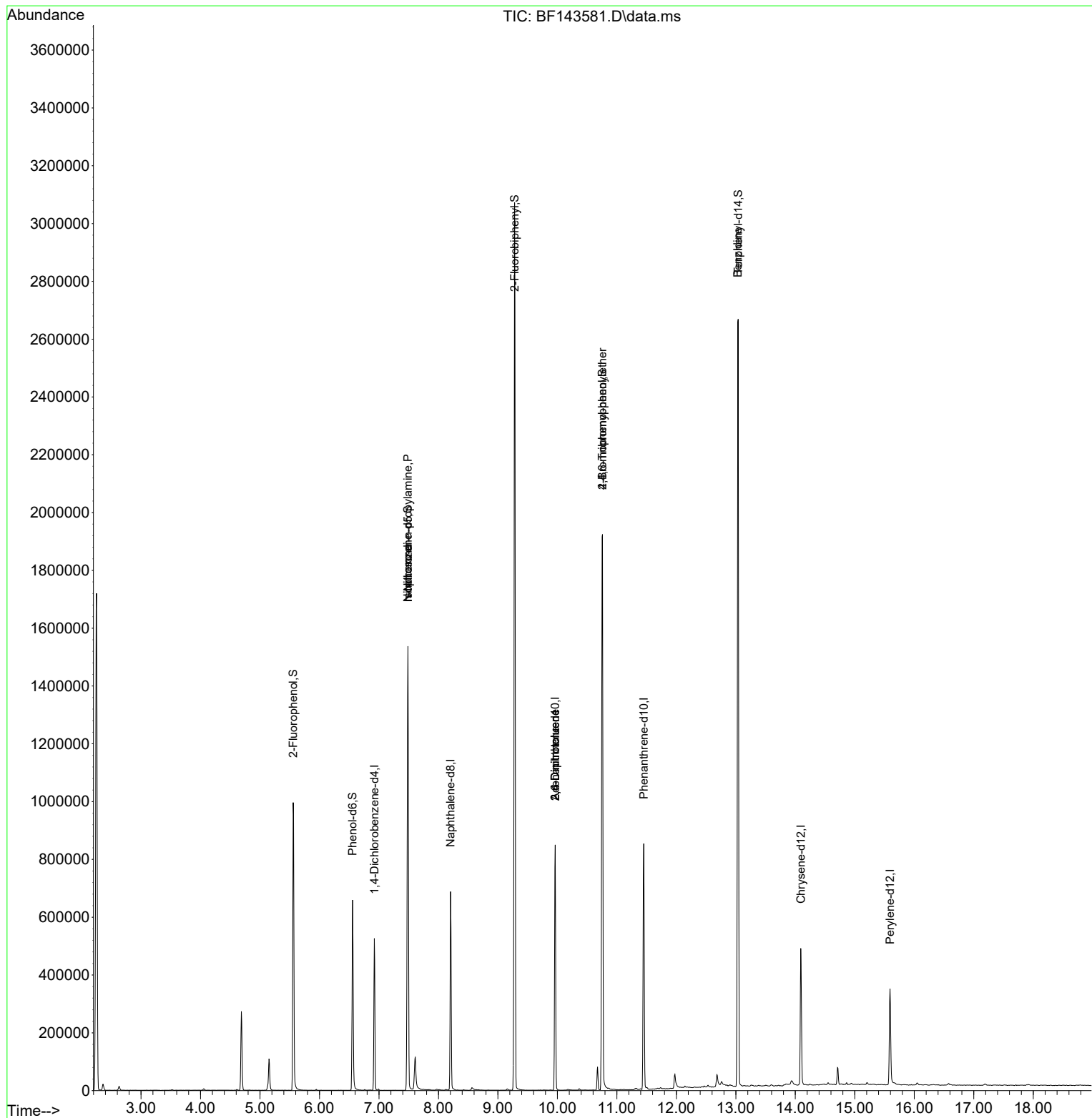
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	104622	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	416287	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	252150	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	422746	20.000	ng	0.00
76) Chrysene-d12	14.092	240	233264	20.000	ng	-0.01
86) Perylene-d12	15.592	264	203920	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	353831	59.055	ng	0.00
7) Phenol-d6	6.557	99	283631	38.348	ng	-0.02
23) Nitrobenzene-d5	7.486	82	712100	99.822	ng	-0.01
42) 2,4,6-Tribromophenol	10.757	330	354367	150.978	ng	0.00
45) 2-Fluorobiphenyl	9.280	172	1346585	88.260	ng	0.00
79) Terphenyl-d14	13.039	244	1358796	101.651	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.486	70	100960	22.333	ng	# 80
25) Isophorone	7.486	82	690524	52.805	ng	# 65
51) 2,6-Dinitrotoluene	9.963	165	31423	9.984	ng	# 26
57) 2,4-Dinitrotoluene	9.963	165	31423	7.477	ng	# 26
67) 4-Bromophenyl-phenylether	10.757	248	24081	4.774	ng	# 1
77) Benzidine	13.033	184	18733	3.297	ng	# 93

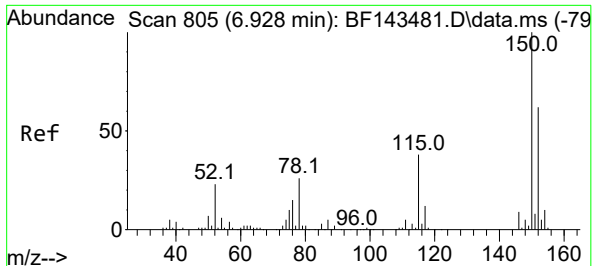
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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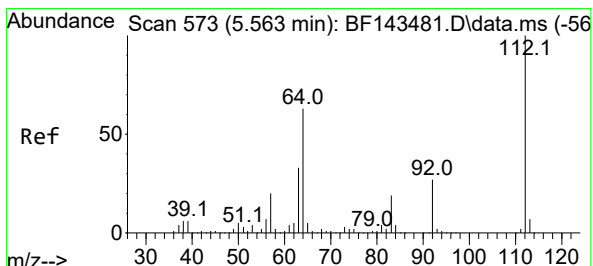
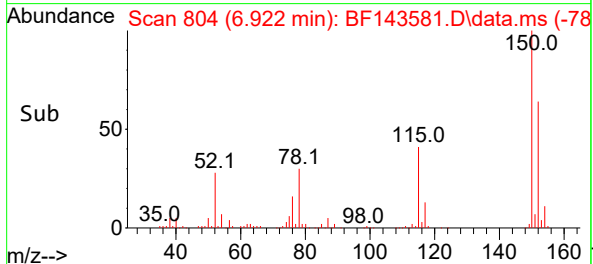
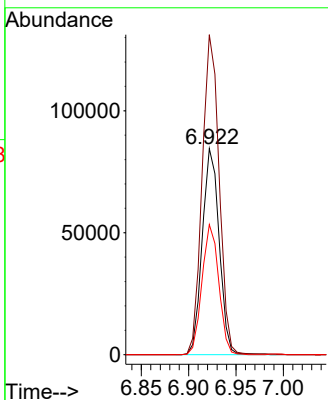
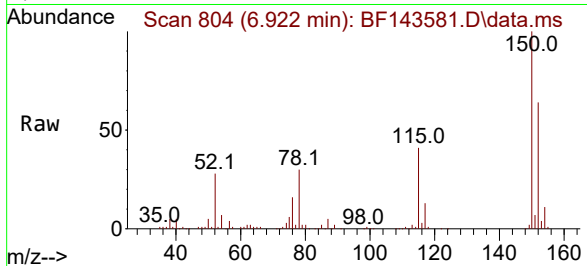




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF143581.D
Acq: 22 Aug 2025 19:21

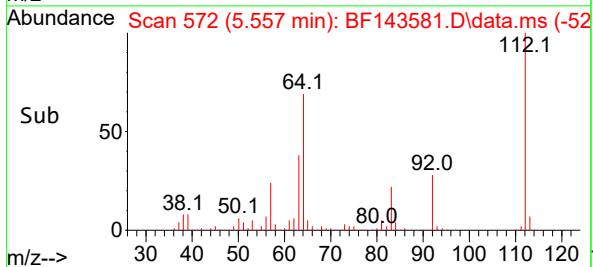
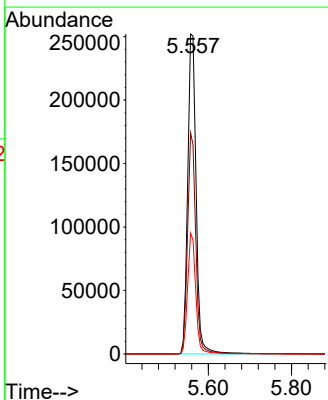
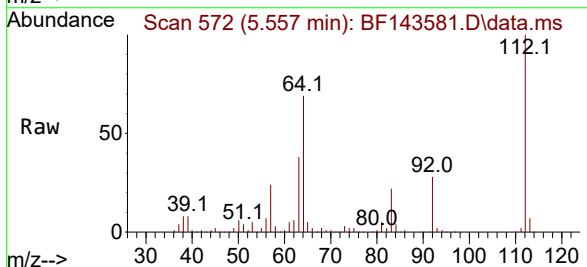
Instrument :
BNA_F
ClientSampleId :
MW-10C-082025

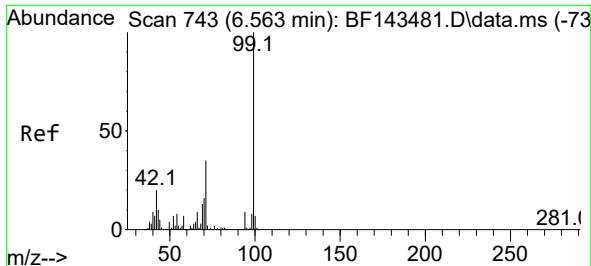
Tgt Ion:152 Resp: 104622
Ion Ratio Lower Upper
152 100
150 155.3 128.9 193.3
115 63.1 49.2 73.8



#5
2-Fluorophenol
Concen: 59.055 ng
RT: 5.557 min Scan# 572
Delta R.T. -0.006 min
Lab File: BF143581.D
Acq: 22 Aug 2025 19:21

Tgt Ion:112 Resp: 353831
Ion Ratio Lower Upper
112 100
64 69.0 50.4 75.6
63 37.7 26.4 39.6

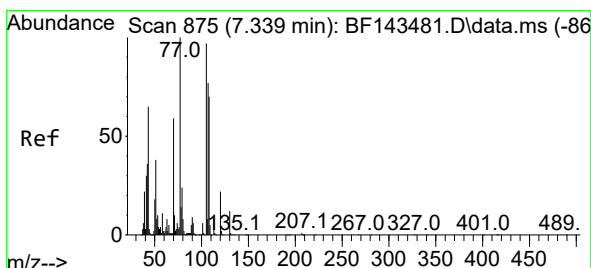
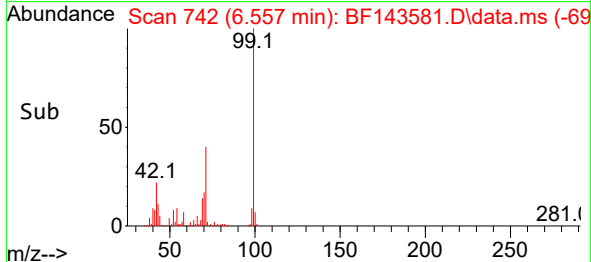
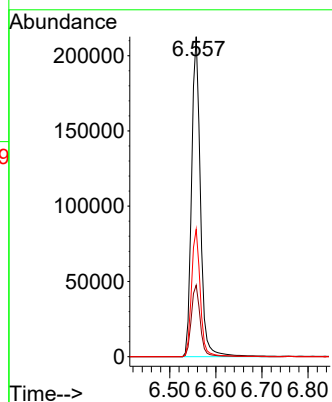
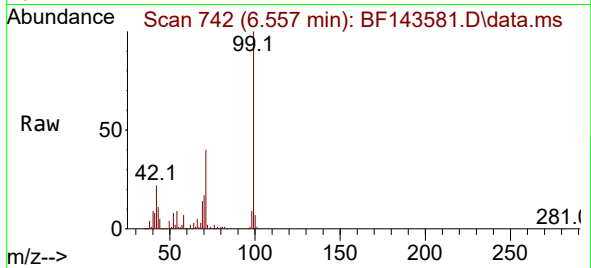




#7
Phenol-d6
Concen: 38.348 ng
RT: 6.557 min Scan# 743
Delta R.T. -0.018 min
Lab File: BF143581.D
Acq: 22 Aug 2025 19:21

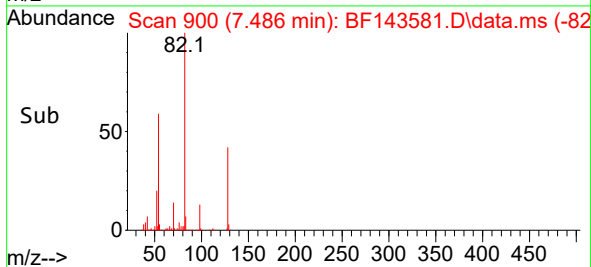
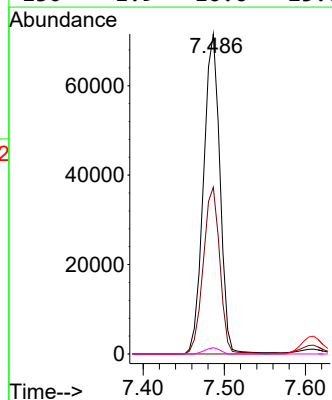
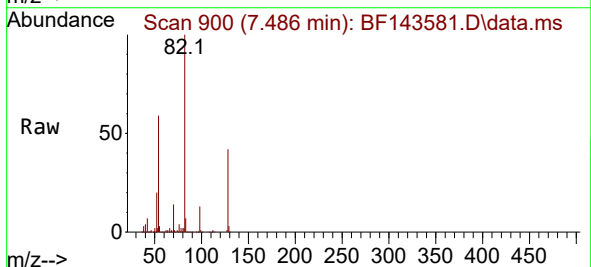
Instrument :
BNA_F
ClientSampleId :
MW-10C-082025

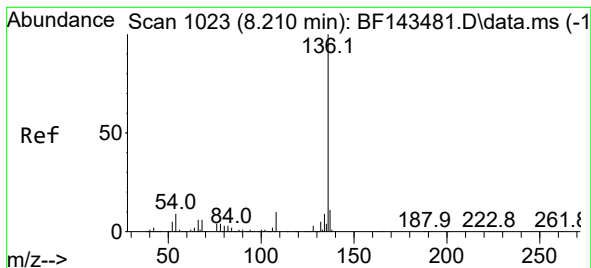
Tgt Ion: 99 Resp: 283631
Ion Ratio Lower Upper
99 100
42 22.3 16.3 24.5
71 39.8 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 22.333 ng
RT: 7.486 min Scan# 900
Delta R.T. 0.135 min
Lab File: BF143581.D
Acq: 22 Aug 2025 19:21

Tgt Ion: 70 Resp: 100960
Ion Ratio Lower Upper
70 100
42 52.1 49.3 73.9
101 0.0 7.8 11.8#
130 1.9 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.204 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143581.D

Acq: 22 Aug 2025 19:21

Instrument :

BNA_F

ClientSampleId :

MW-10C-082025

Tgt Ion:136 Resp: 416287

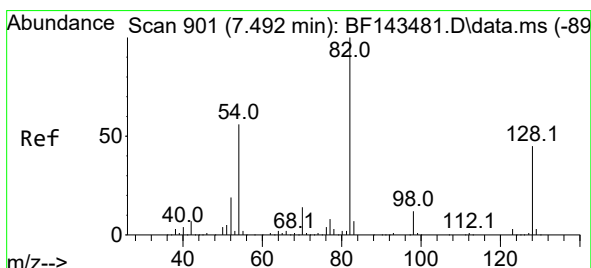
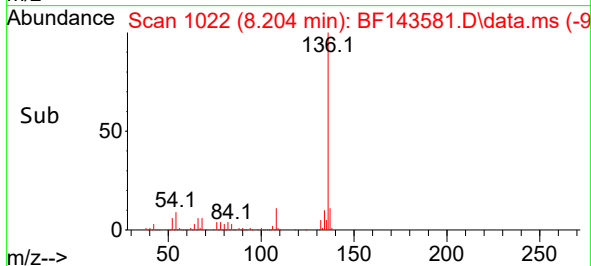
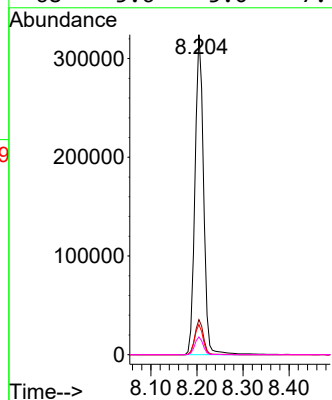
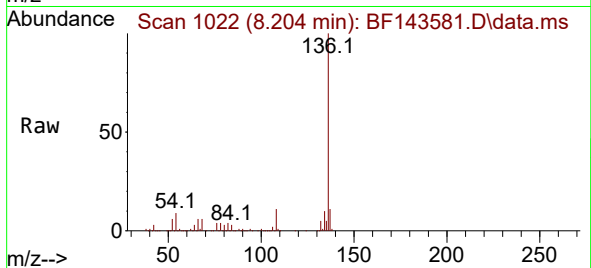
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 9.4 7.4 11.2

68 5.6 5.0 7.4



#23

Nitrobenzene-d5

Concen: 99.822 ng

RT: 7.486 min Scan# 900

Delta R.T. -0.012 min

Lab File: BF143581.D

Acq: 22 Aug 2025 19:21

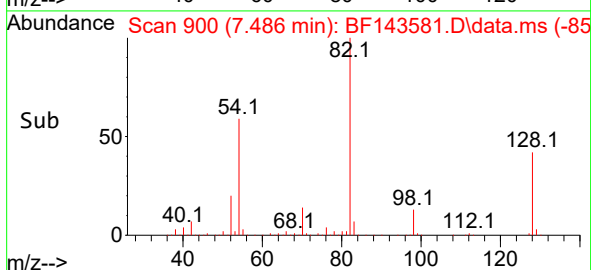
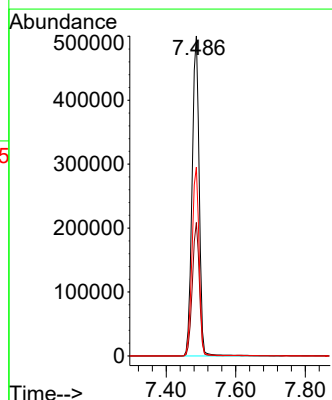
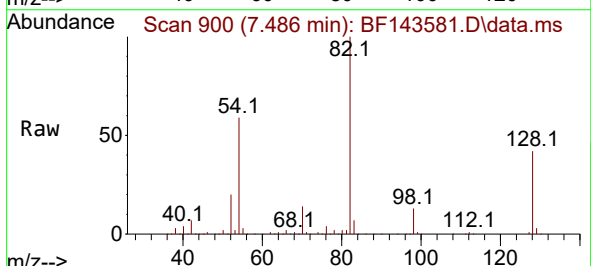
Tgt Ion: 82 Resp: 712100

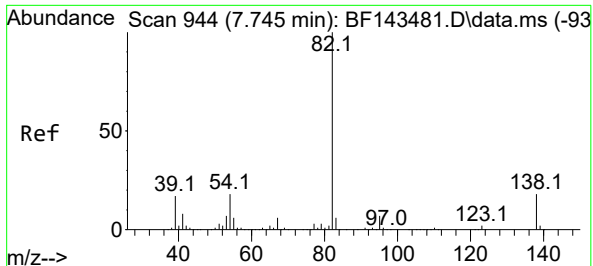
Ion Ratio Lower Upper

82 100

128 41.7 35.5 53.3

54 59.0 44.3 66.5

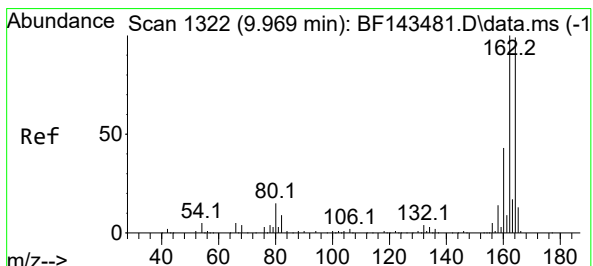
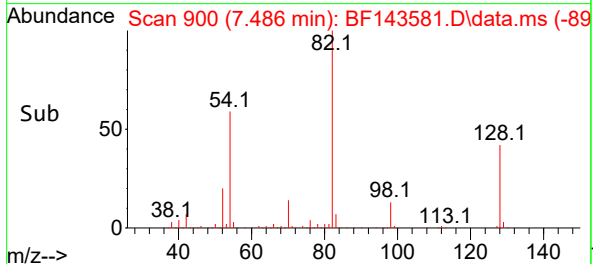
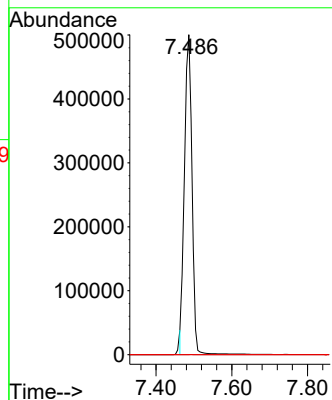
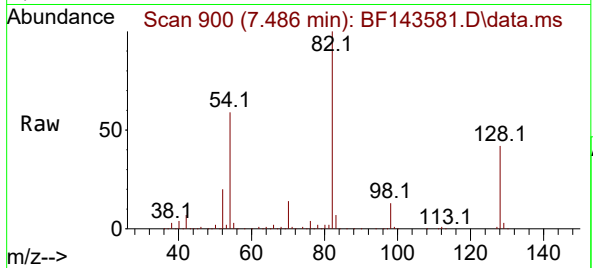




#25
Isophorone
Concen: 52.805 ng
RT: 7.486 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF143581.D
Acq: 22 Aug 2025 19:21

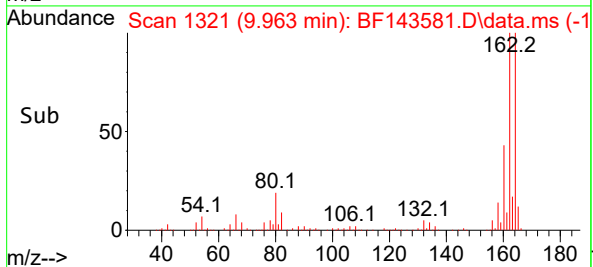
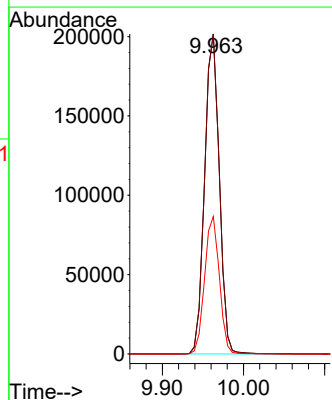
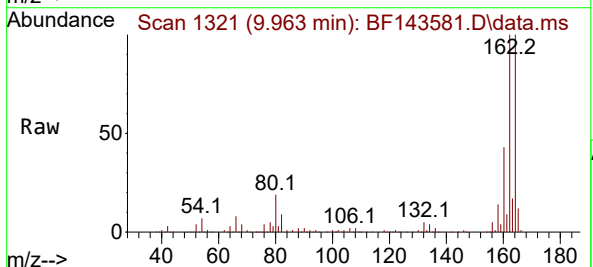
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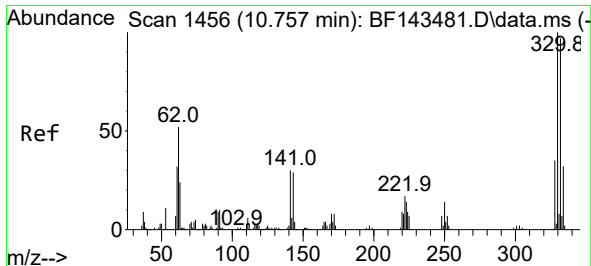
Tgt Ion: 82 Resp: 690524
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 14.2 21.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF143581.D
Acq: 22 Aug 2025 19:21

Tgt Ion: 164 Resp: 252150
Ion Ratio Lower Upper
164 100
162 100.0 80.5 120.7
160 43.0 34.3 51.5

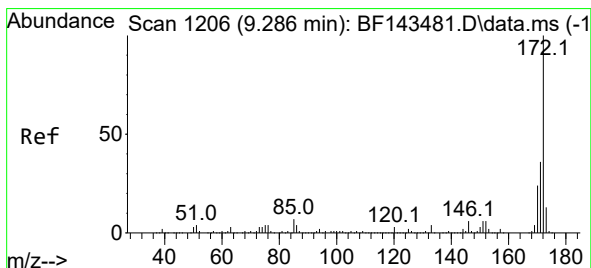
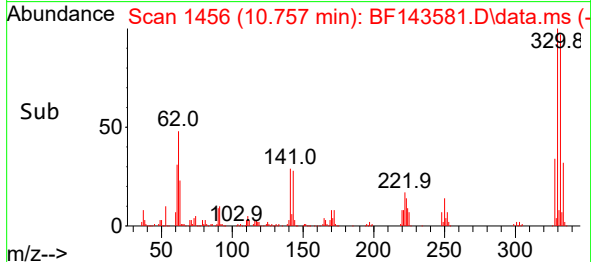
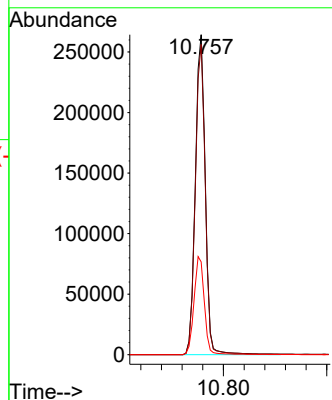
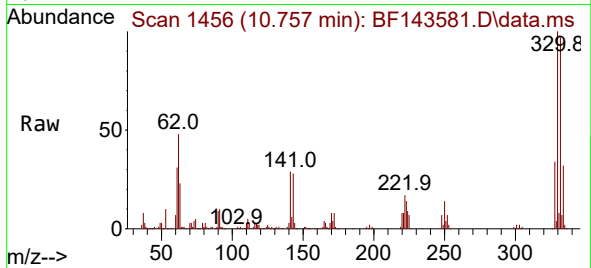




#42
 2,4,6-Tribromophenol
 Concen: 150.978 ng
 RT: 10.757 min Scan# 1456
 Delta R.T. -0.006 min
 Lab File: BF143581.D
 Acq: 22 Aug 2025 19:21

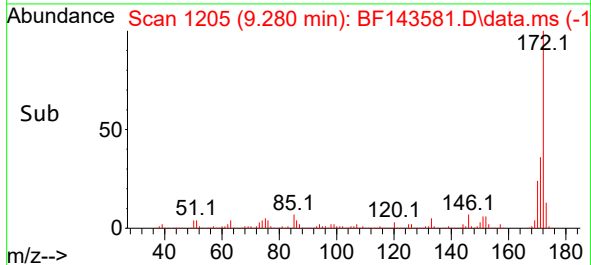
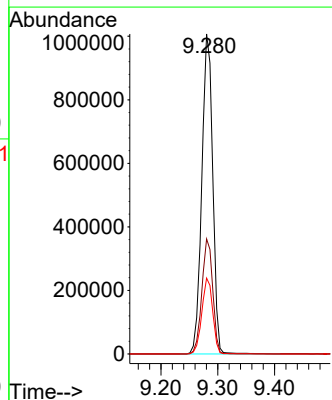
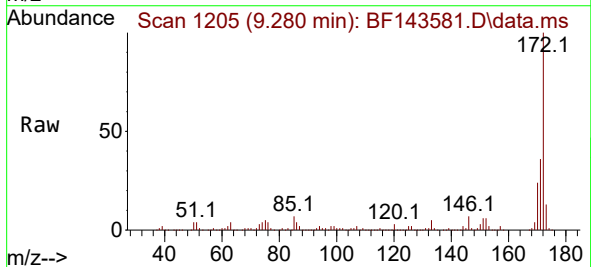
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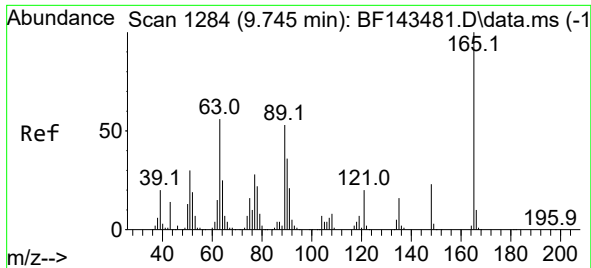
Tgt Ion: 330 Resp: 354367
 Ion Ratio Lower Upper
 330 100
 332 97.1 78.0 117.0
 141 31.8 23.7 35.5



#45
 2-Fluorobiphenyl
 Concen: 88.260 ng
 RT: 9.280 min Scan# 1205
 Delta R.T. -0.006 min
 Lab File: BF143581.D
 Acq: 22 Aug 2025 19:21

Tgt Ion: 172 Resp: 1346585
 Ion Ratio Lower Upper
 172 100
 171 36.0 28.8 43.2
 170 23.7 18.8 28.2

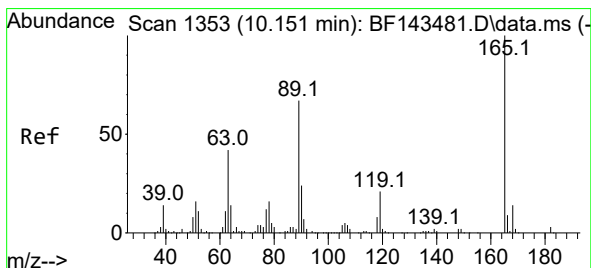
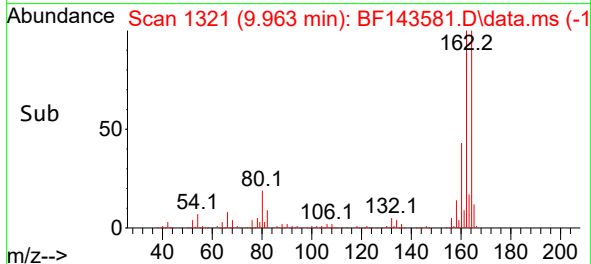
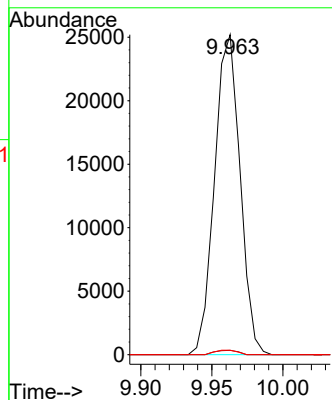
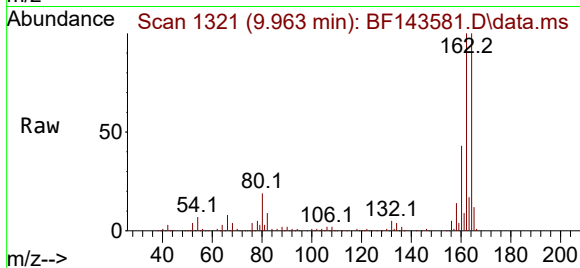




#51
2,6-Dinitrotoluene
Concen: 9.984 ng
RT: 9.963 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF143581.D
Acq: 22 Aug 2025 19:21

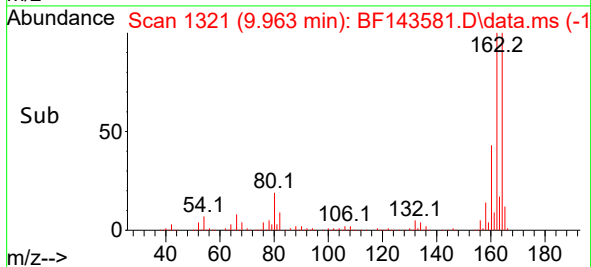
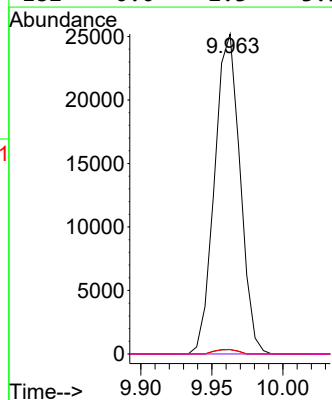
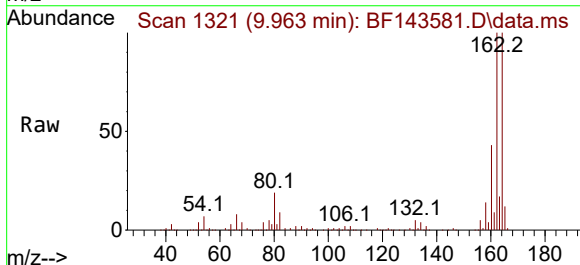
Instrument :
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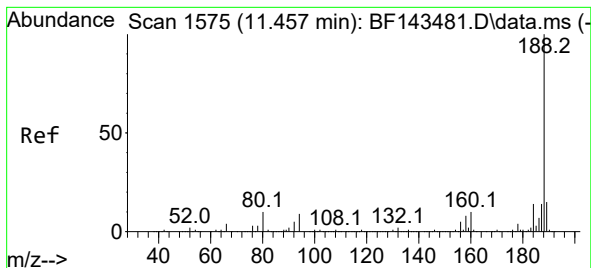
Tgt Ion:165 Resp: 31423
Ion Ratio Lower Upper
165 100
63 1.4 45.0 67.6#
89 1.4 42.5 63.7#



#57
2,4-Dinitrotoluene
Concen: 7.477 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.194 min
Lab File: BF143581.D
Acq: 22 Aug 2025 19:21

Tgt Ion:165 Resp: 31423
Ion Ratio Lower Upper
165 100
63 1.4 34.9 52.3#
89 1.4 53.3 79.9#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.451 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143581.D

Acq: 22 Aug 2025 19:21

Instrument :

BNA_F

ClientSampleId :

MW-10C-082025

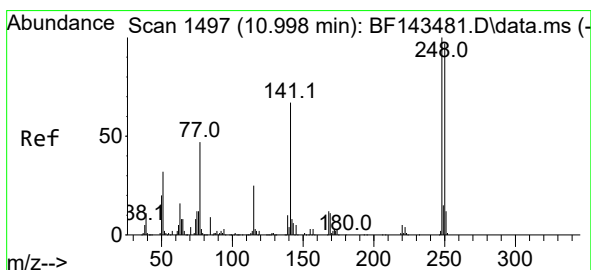
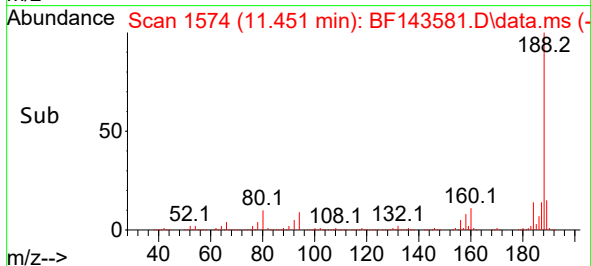
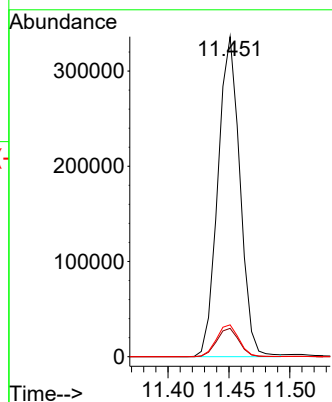
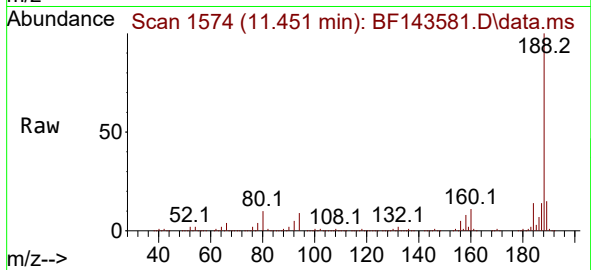
Tgt Ion:188 Resp: 422746

Ion Ratio Lower Upper

188 100

94 8.9 7.4 11.2

80 10.0 8.2 12.4



#67

4-Bromophenyl-phenylether

Concen: 4.774 ng

RT: 10.757 min Scan# 1456

Delta R.T. -0.241 min

Lab File: BF143581.D

Acq: 22 Aug 2025 19:21

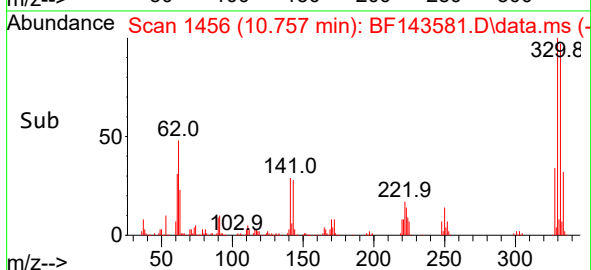
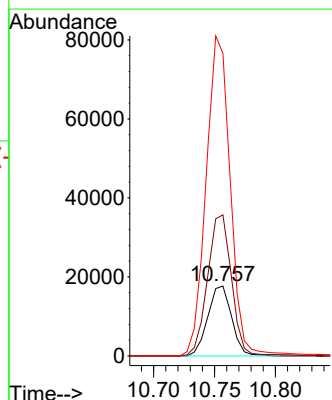
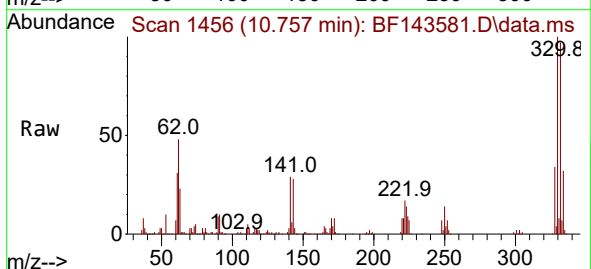
Tgt Ion:248 Resp: 24081

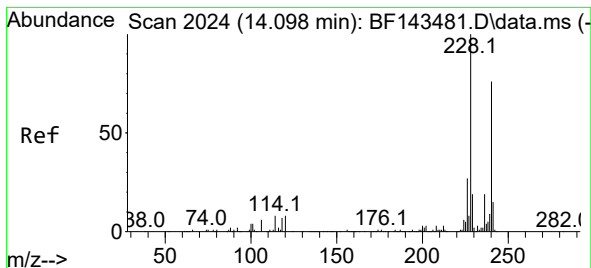
Ion Ratio Lower Upper

248 100

250 201.8 77.8 116.8#

141 433.0 54.0 81.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.092 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF143581.D

Acq: 22 Aug 2025 19:21

Instrument :

BNA_F

ClientSampleId :

MW-10C-082025

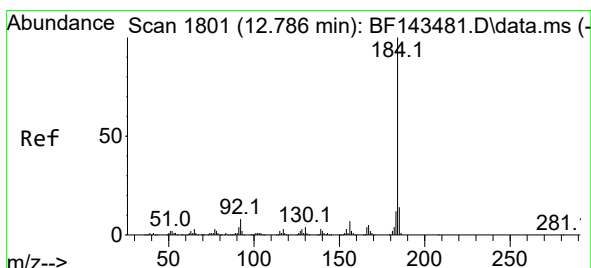
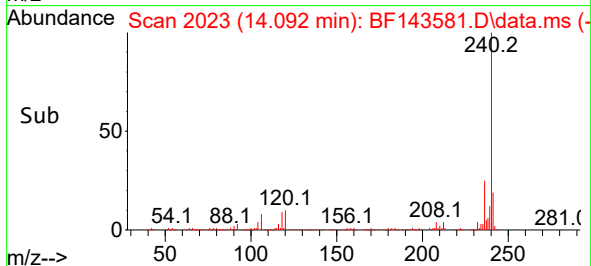
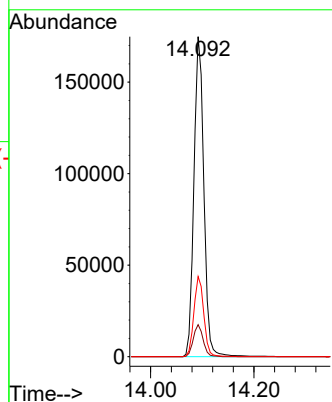
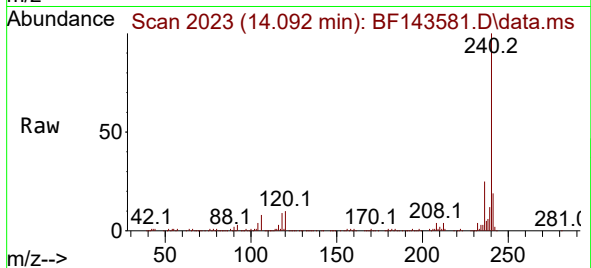
Tgt Ion:240 Resp: 233264

Ion Ratio Lower Upper

240 100

120 10.0 8.6 12.8

236 25.1 20.4 30.6



#77

Benzidine

Concen: 3.297 ng

RT: 13.033 min Scan# 1843

Delta R.T. 0.247 min

Lab File: BF143581.D

Acq: 22 Aug 2025 19:21

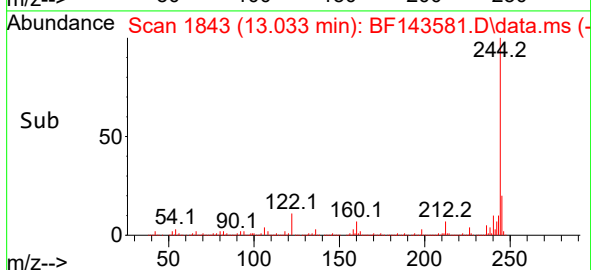
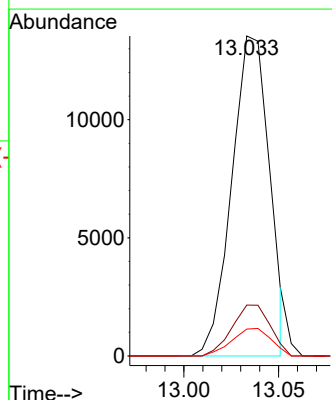
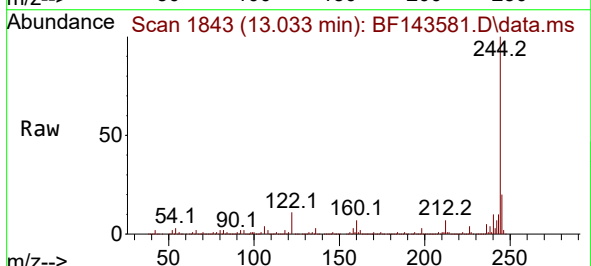
Tgt Ion:184 Resp: 18733

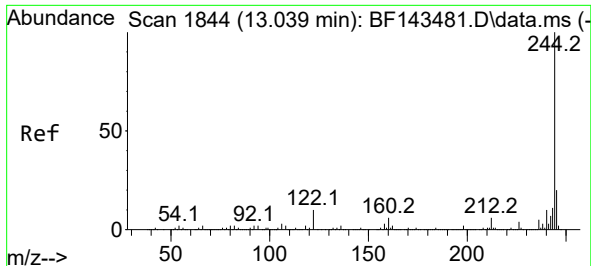
Ion Ratio Lower Upper

184 100

185 15.9 11.3 16.9

183 8.4 9.5 14.3#

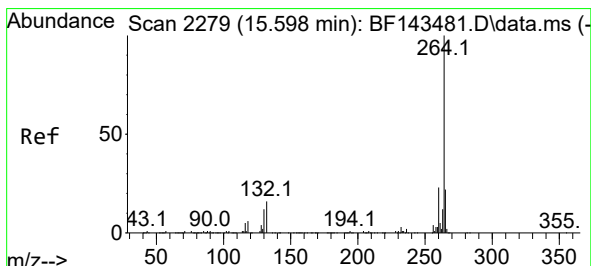
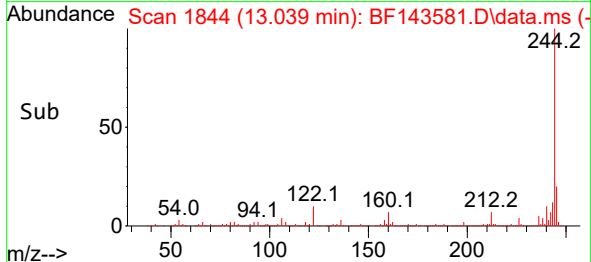
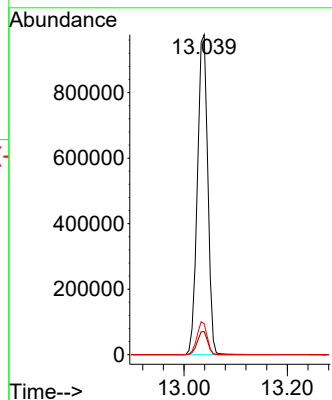
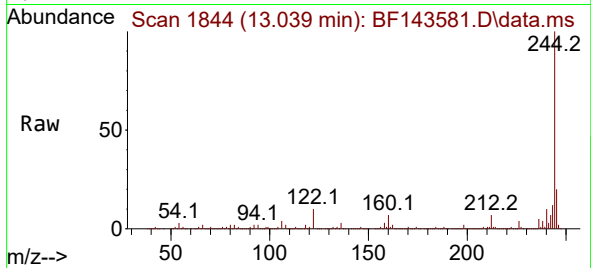




#79
 Terphenyl-d14
 Concen: 101.651 ng
 RT: 13.039 min Scan# 1844
 Delta R.T. -0.000 min
 Lab File: BF143581.D
 Acq: 22 Aug 2025 19:21

Instrument :
 BNA_F
 ClientSampleId :
 MW-10C-082025

Tgt Ion:244 Resp: 1358796
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.2 7.8
 122 9.7 7.9 11.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.592 min Scan# 2278
 Delta R.T. -0.006 min
 Lab File: BF143581.D
 Acq: 22 Aug 2025 19:21

Tgt Ion:264 Resp: 203920
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.7 28.1
 265 21.5 17.6 26.4

