

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082225\
 Data File : BF143564.D
 Acq On : 22 Aug 2025 10:58
 Operator : RC/JU
 Sample : PB169330BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB169330BL

Quant Time: Aug 22 11:31:00 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)

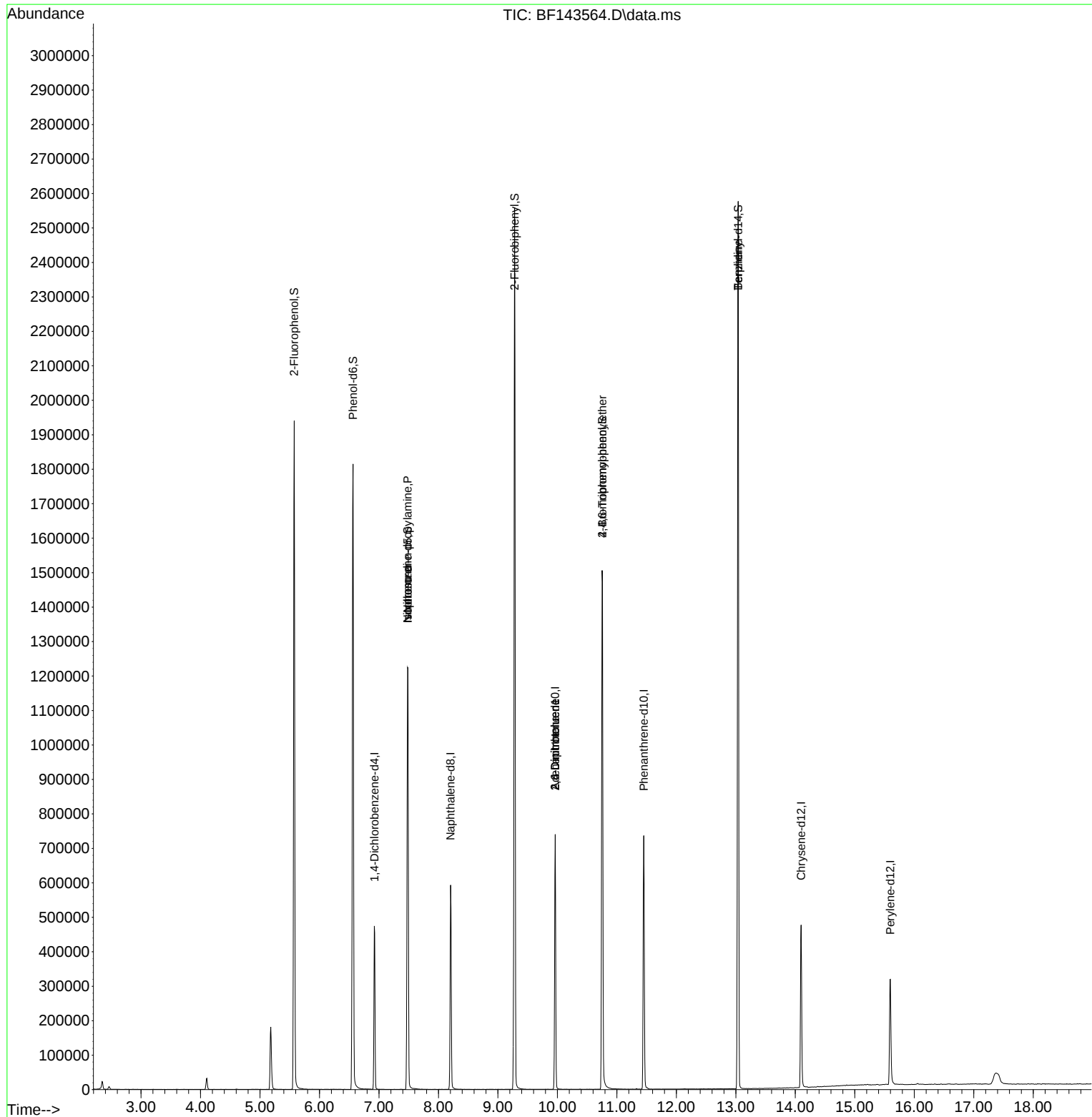
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	100068	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	390789	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	222590	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	383198	20.000	ng	0.00
76) Chrysene-d12	14.098	240	245973	20.000	ng	0.00
86) Perylene-d12	15.598	264	204292	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	699008	121.975	ng	0.01
7) Phenol-d6	6.563	99	870292	123.022	ng	-0.01
23) Nitrobenzene-d5	7.481	82	599491	89.519	ng	-0.02
42) 2,4,6-Tribromophenol	10.757	330	279585	134.936	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	1159431	86.085	ng	0.00
79) Terphenyl-d14	13.039	244	1286884	91.297	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.481	70	82789	19.147	ng	# 80
25) Isophorone	7.481	82	570908	46.507	ng	# 65
51) 2,6-Dinitrotoluene	9.963	165	29118	10.480	ng	# 26
57) 2,4-Dinitrotoluene	9.963	165	29118	7.849	ng	# 26
67) 4-Bromophenyl-phenylether	10.757	248	19103	4.178	ng	# 1
77) Benzidine	13.039	184	16421	2.741	ng	# 94

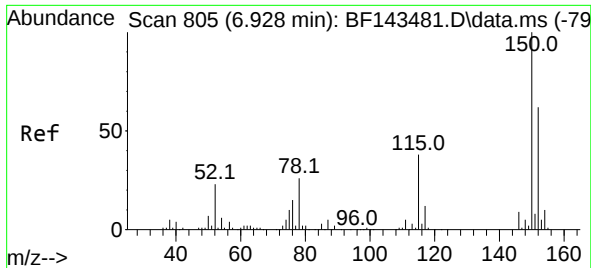
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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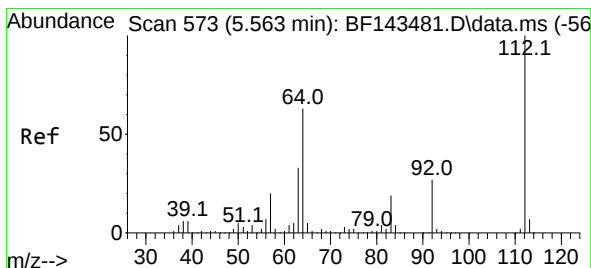
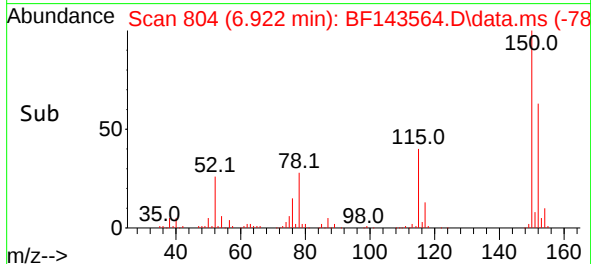
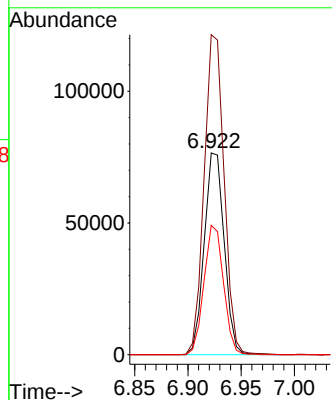
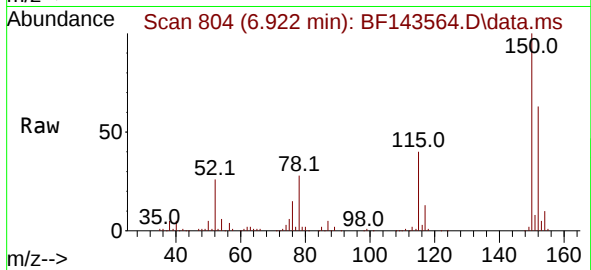




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF143564.D
Acq: 22 Aug 2025 10:58

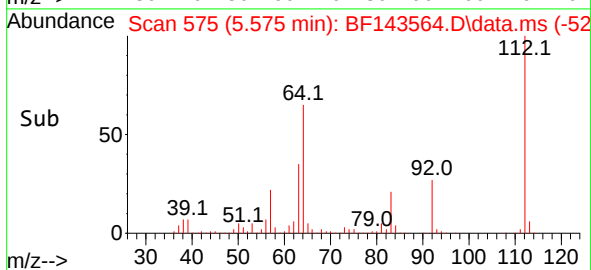
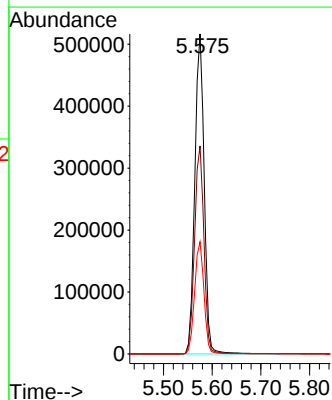
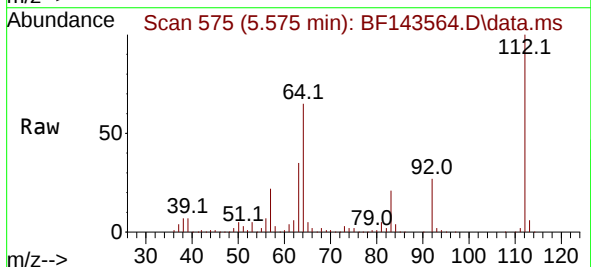
Instrument :
BNA_F
ClientSampleId :
PB169330BL

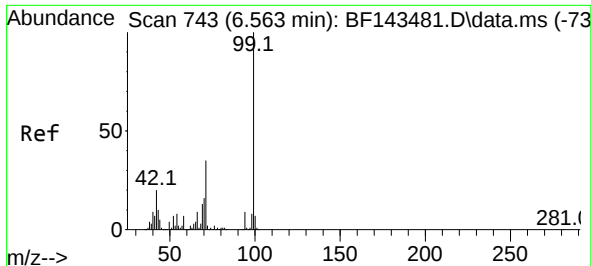
Tgt Ion:152 Resp: 100068
Ion Ratio Lower Upper
152 100
150 158.6 128.9 193.3
115 64.1 49.2 73.8



#5
2-Fluorophenol
Concen: 121.975 ng
RT: 5.575 min Scan# 575
Delta R.T. 0.012 min
Lab File: BF143564.D
Acq: 22 Aug 2025 10:58

Tgt Ion:112 Resp: 699008
Ion Ratio Lower Upper
112 100
64 65.0 50.4 75.6
63 35.0 26.4 39.6

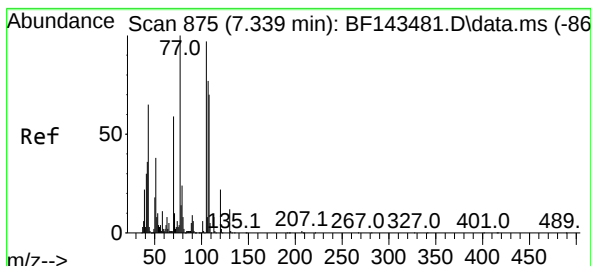
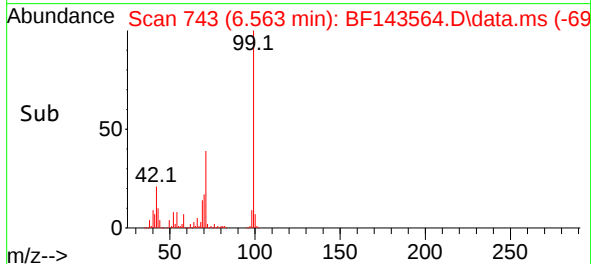
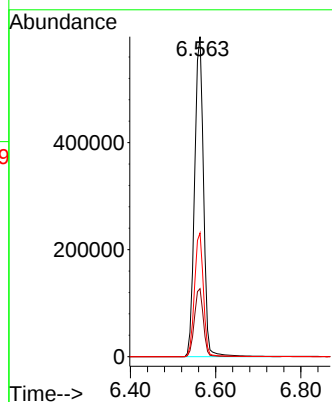
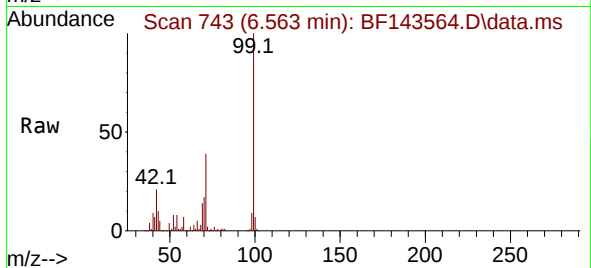




#7
Phenol-d6
Concen: 123.022 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.012 min
Lab File: BF143564.D
Acq: 22 Aug 2025 10:58

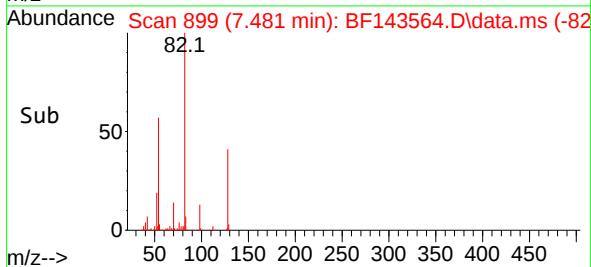
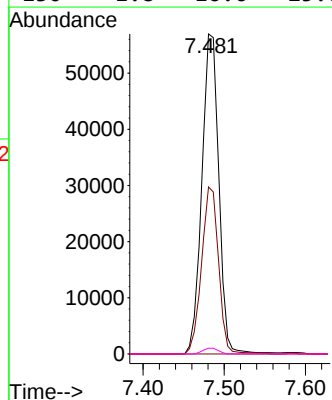
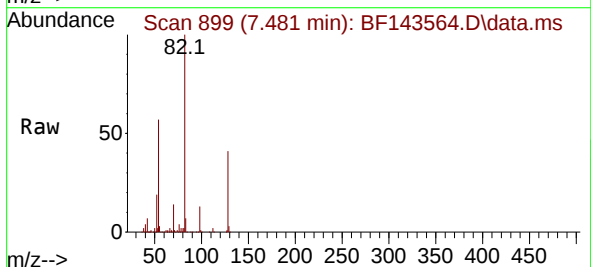
Instrument :
BNA_F
ClientSampleId :
PB169330BL

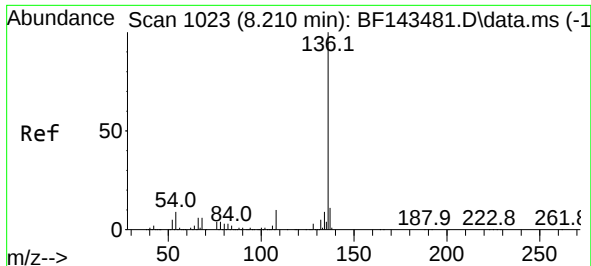
Tgt Ion: 99 Resp: 870292
Ion Ratio Lower Upper
99 100
42 21.2 16.3 24.5
71 38.7 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 19.147 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.129 min
Lab File: BF143564.D
Acq: 22 Aug 2025 10:58

Tgt Ion: 70 Resp: 82789
Ion Ratio Lower Upper
70 100
42 52.2 49.3 73.9
101 0.0 7.8 11.8#
130 1.8 16.6 25.0#



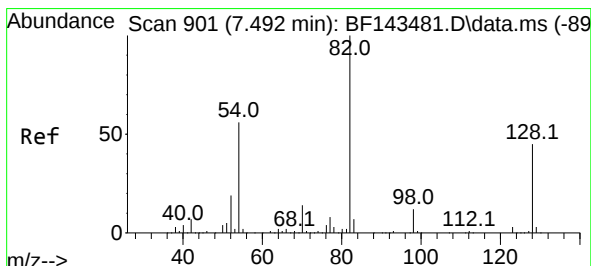
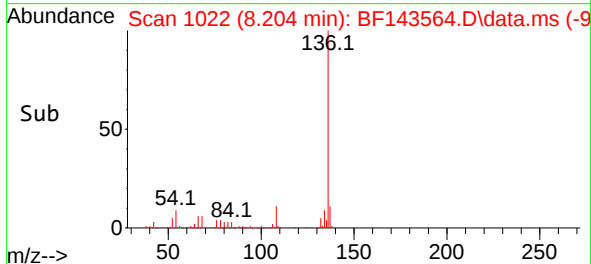
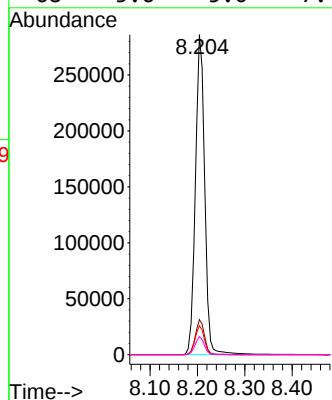
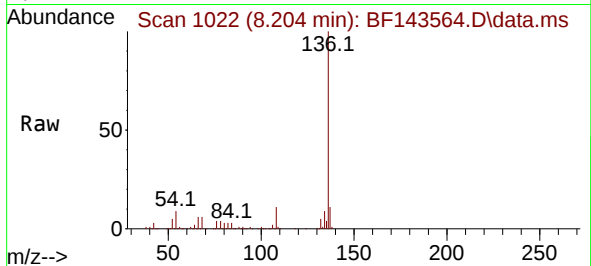


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF143564.D
Acq: 22 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169330BL

Tgt Ion:136 Resp: 390789

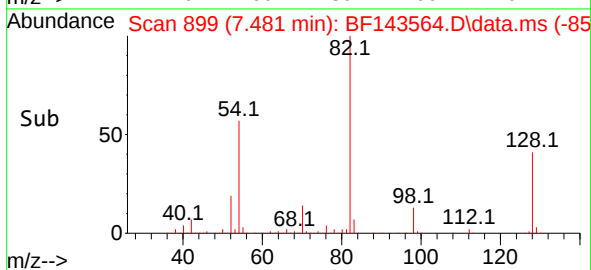
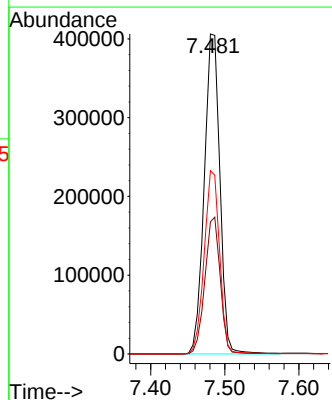
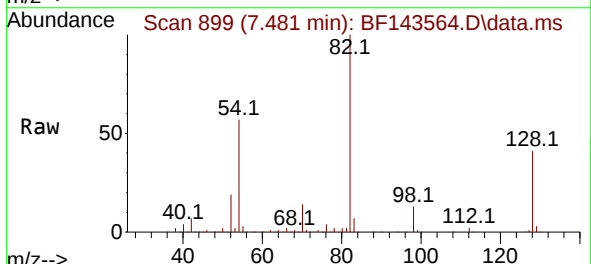
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	9.0	7.4	11.2
68	5.6	5.0	7.4

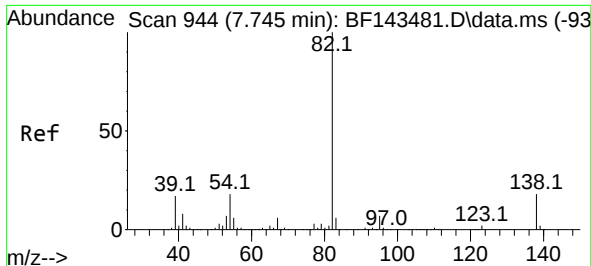


#23
Nitrobenzene-d5
Concen: 89.519 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.018 min
Lab File: BF143564.D
Acq: 22 Aug 2025 10:58

Tgt Ion: 82 Resp: 599491

Ion	Ratio	Lower	Upper
82	100		
128	41.3	35.5	53.3
54	57.3	44.3	66.5

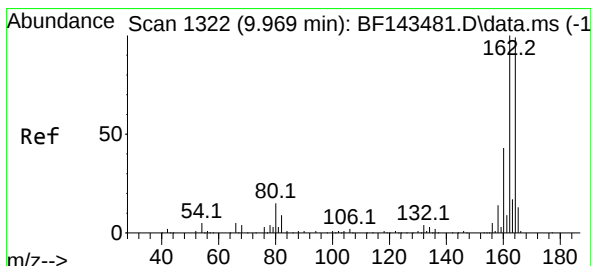
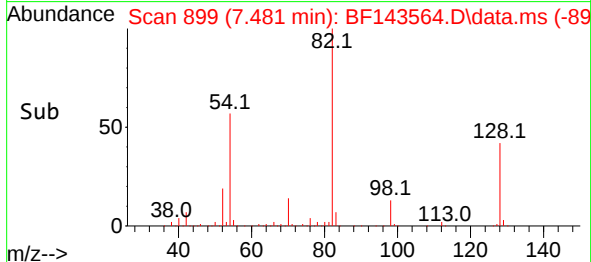
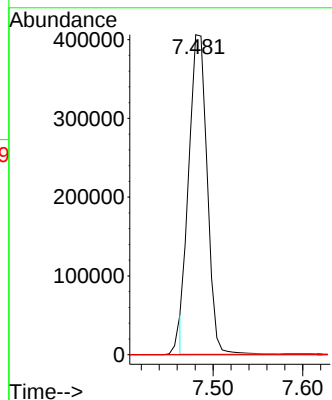
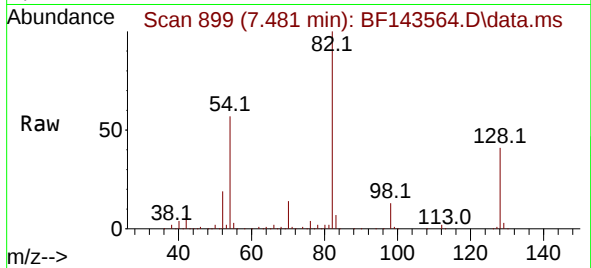




#25
Isophorone
Concen: 46.507 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.277 min
Lab File: BF143564.D
Acq: 22 Aug 2025 10:58

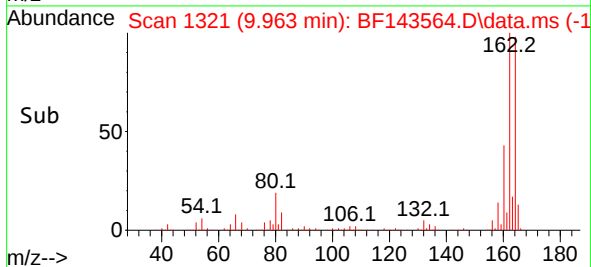
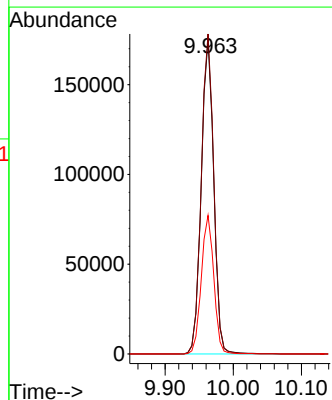
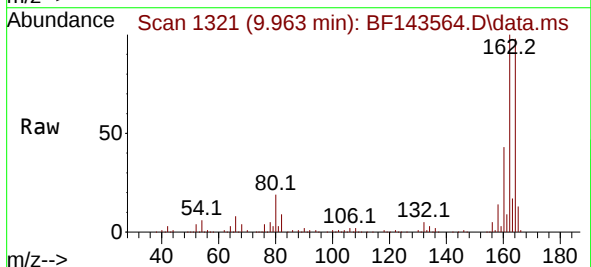
Instrument :
BNA_F
ClientSampleId :
PB169330BL

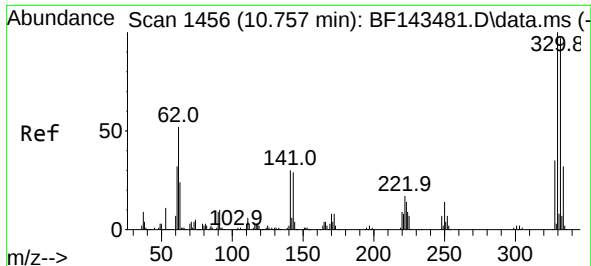
Tgt Ion: 82 Resp: 570908
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 14.2 21.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF143564.D
Acq: 22 Aug 2025 10:58

Tgt Ion:164 Resp: 222590
Ion Ratio Lower Upper
164 100
162 101.9 80.5 120.7
160 44.1 34.3 51.5





#42

2,4,6-Tribromophenol

Concen: 134.936 ng

RT: 10.757 min Scan# 1456

Delta R.T. -0.006 min

Lab File: BF143564.D

Acq: 22 Aug 2025 10:58

Instrument :

BNA_F

ClientSampleId :

PB169330BL

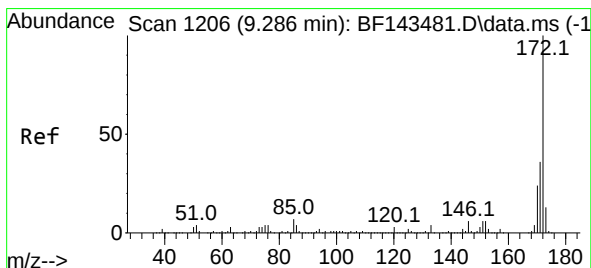
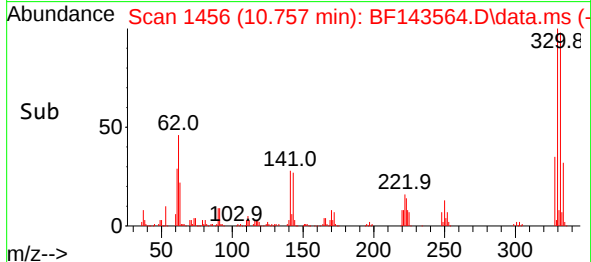
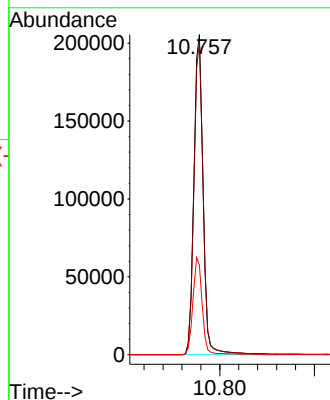
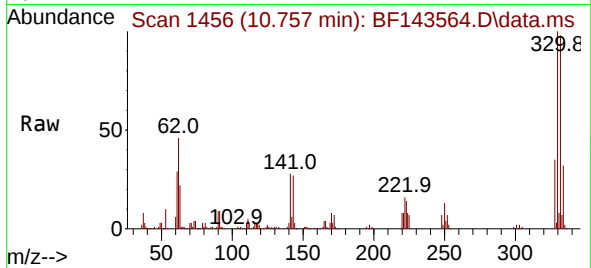
Tgt Ion:330 Resp: 279585

Ion Ratio Lower Upper

330 100

332 97.3 78.0 117.0

141 30.6 23.7 35.5



#45

2-Fluorobiphenyl

Concen: 86.085 ng

RT: 9.281 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF143564.D

Acq: 22 Aug 2025 10:58

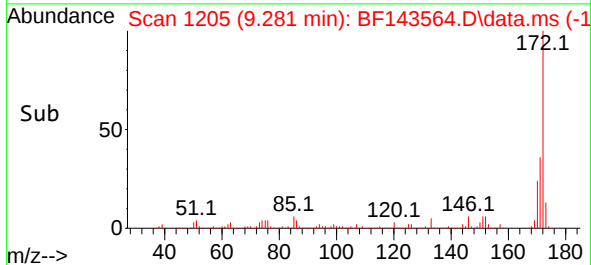
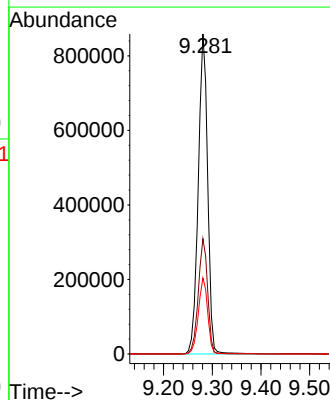
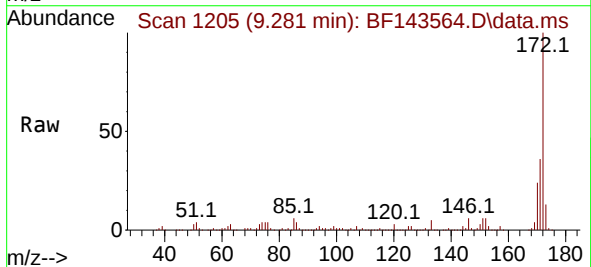
Tgt Ion:172 Resp: 1159431

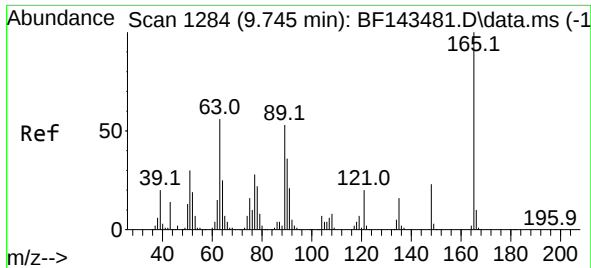
Ion Ratio Lower Upper

172 100

171 36.0 28.8 43.2

170 23.8 18.8 28.2

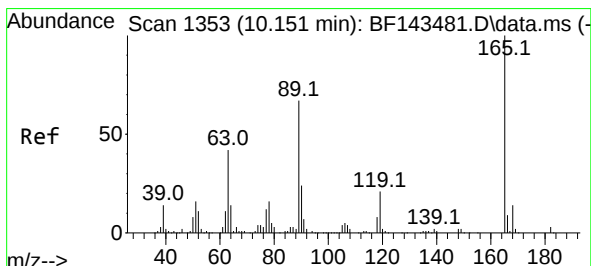
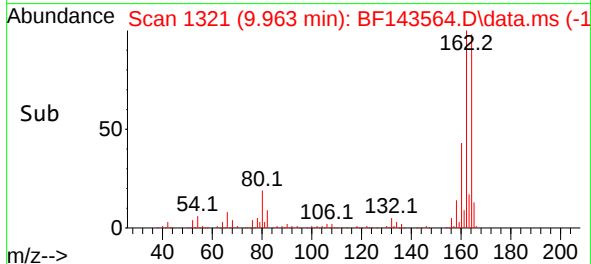
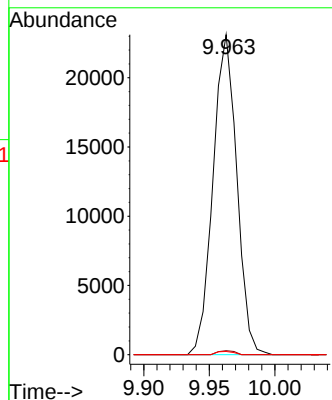
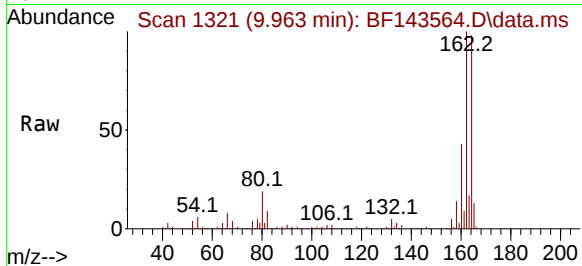




#51
2,6-Dinitrotoluene
Concen: 10.480 ng
RT: 9.963 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF143564.D
Acq: 22 Aug 2025 10:58

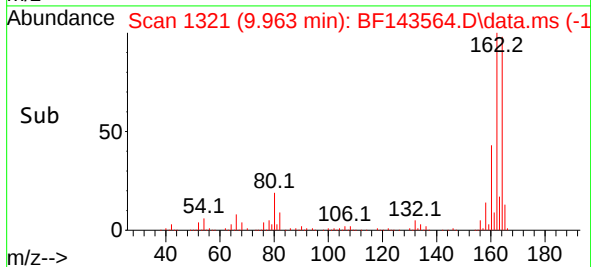
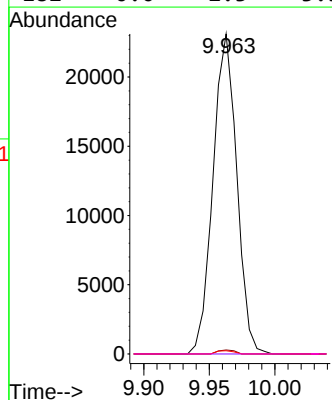
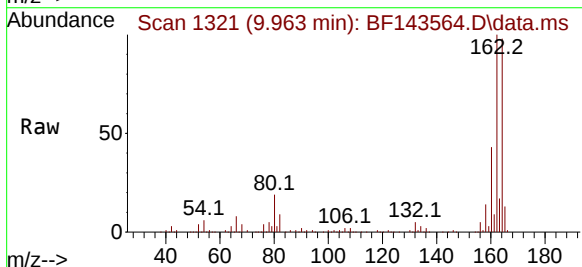
Instrument :
BNA_F
ClientSampleId :
PB169330BL

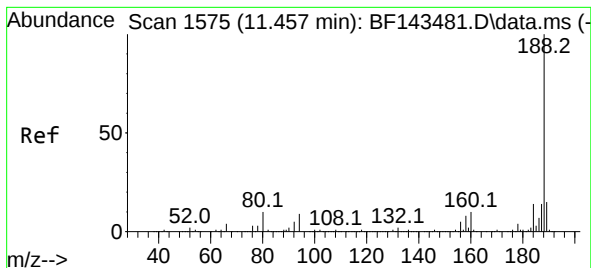
Tgt Ion:165 Resp: 29118
Ion Ratio Lower Upper
165 100
63 1.2 45.0 67.6#
89 1.0 42.5 63.7#



#57
2,4-Dinitrotoluene
Concen: 7.849 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.194 min
Lab File: BF143564.D
Acq: 22 Aug 2025 10:58

Tgt Ion:165 Resp: 29118
Ion Ratio Lower Upper
165 100
63 1.2 34.9 52.3#
89 1.0 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: BF143564.D

Acq: 22 Aug 2025 10:58

Instrument :

BNA_F

ClientSampleId :

PB169330BL

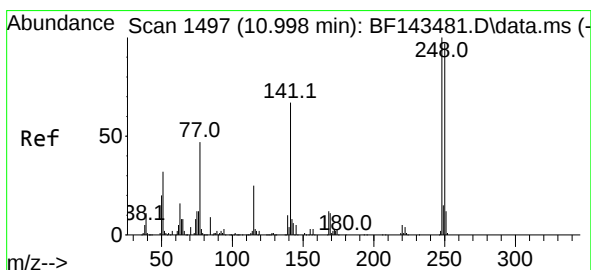
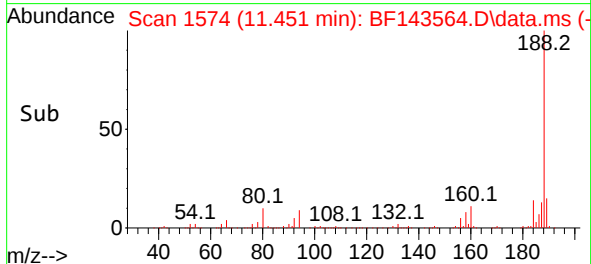
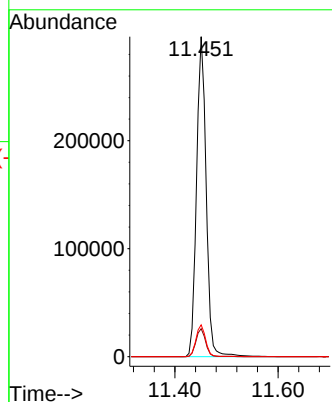
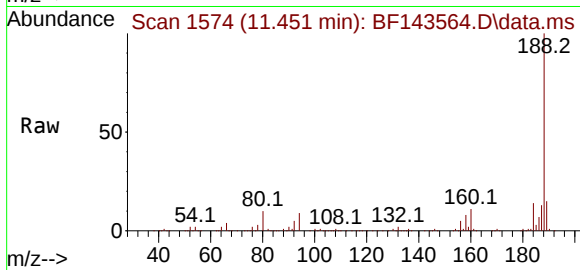
Tgt Ion:188 Resp: 383198

Ion Ratio Lower Upper

188 100

94 8.7 7.4 11.2

80 10.0 8.2 12.4



#67

4-Bromophenyl-phenylether

Concen: 4.178 ng

RT: 10.757 min Scan# 1456

Delta R.T. -0.241 min

Lab File: BF143564.D

Acq: 22 Aug 2025 10:58

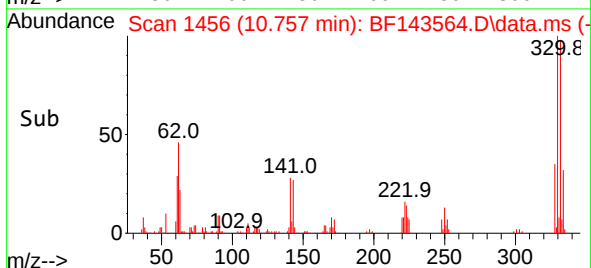
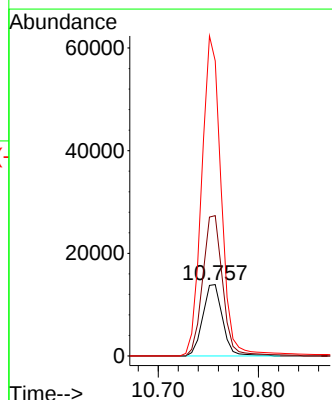
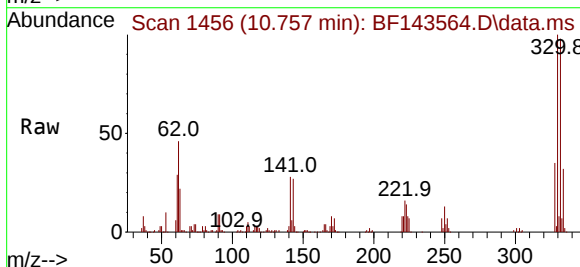
Tgt Ion:248 Resp: 19103

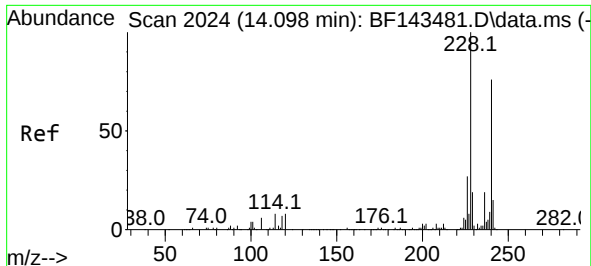
Ion Ratio Lower Upper

248 100

250 196.6 77.8 116.8#

141 413.4 54.0 81.0#

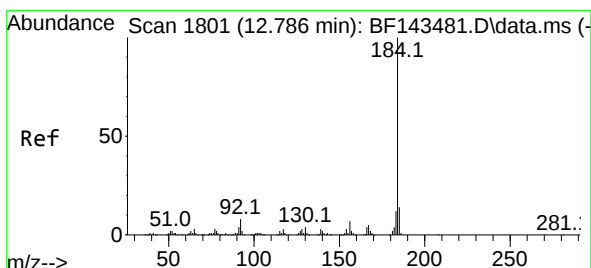
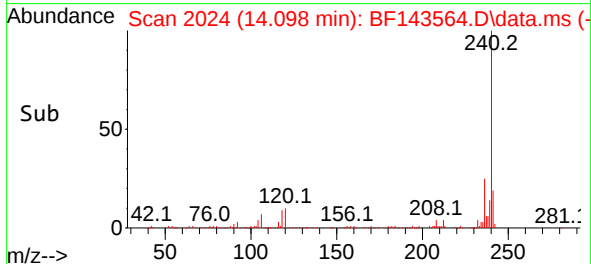
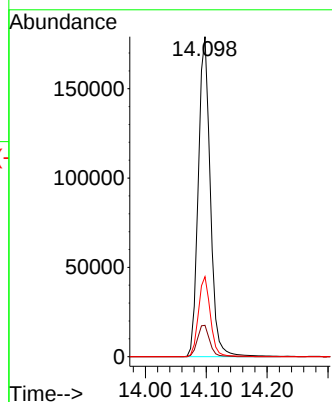
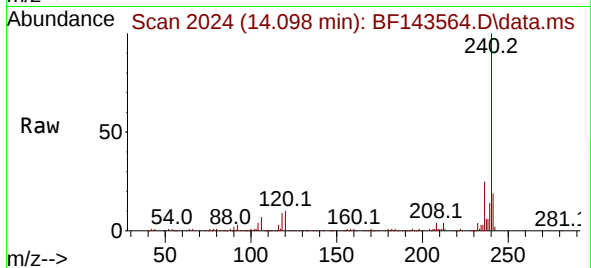




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143564.D
Acq: 22 Aug 2025 10:58

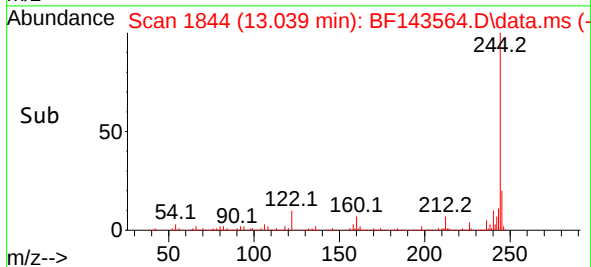
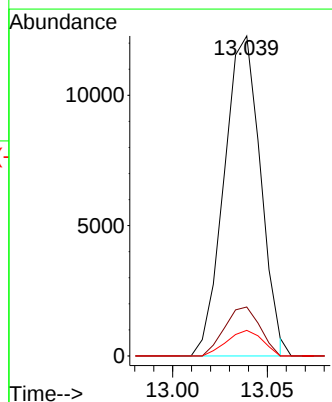
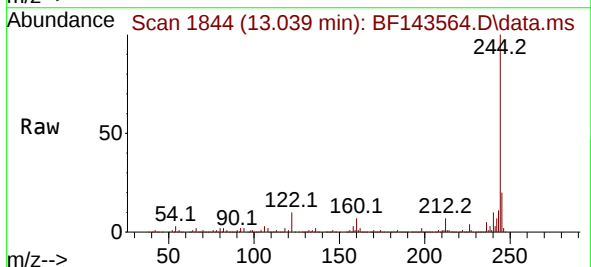
Instrument :
BNA_F
ClientSampleId :
PB169330BL

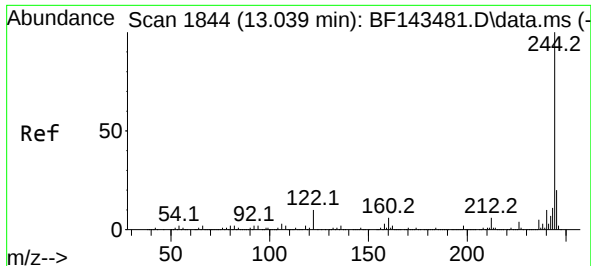
Tgt Ion:240 Resp: 245973
Ion Ratio Lower Upper
240 100
120 9.8 8.6 12.8
236 25.0 20.4 30.6



#77
Benzidine
Concen: 2.741 ng
RT: 13.039 min Scan# 1844
Delta R.T. 0.253 min
Lab File: BF143564.D
Acq: 22 Aug 2025 10:58

Tgt Ion:184 Resp: 16421
Ion Ratio Lower Upper
184 100
185 15.3 11.3 16.9
183 8.0 9.5 14.3#

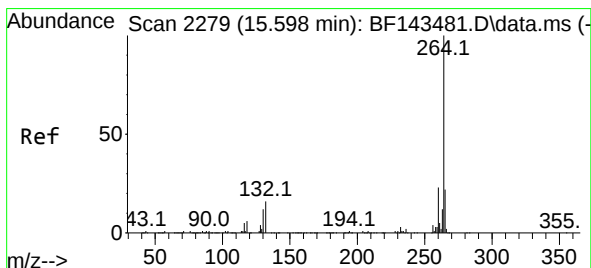
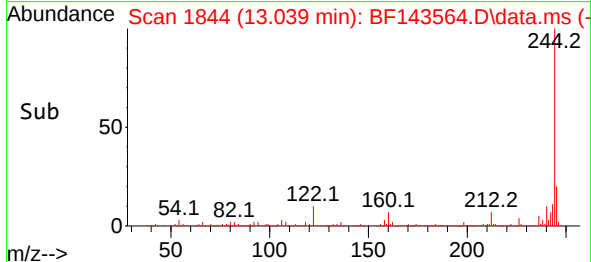
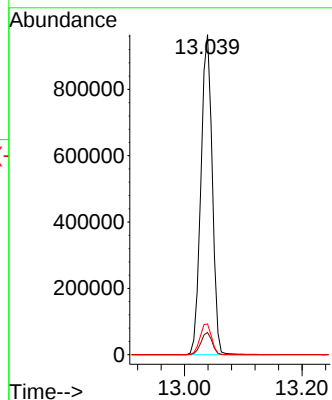
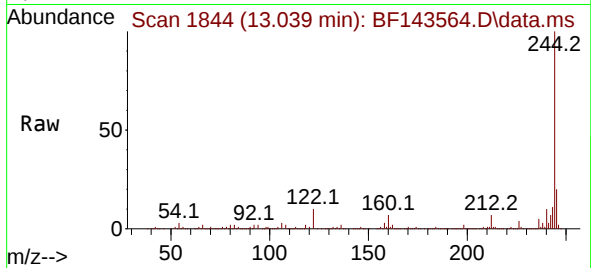




#79
 Terphenyl-d14
 Concen: 91.297 ng
 RT: 13.039 min Scan# 1844
 Delta R.T. -0.000 min
 Lab File: BF143564.D
 Acq: 22 Aug 2025 10:58

Instrument :
 BNA_F
 ClientSampleId :
 PB169330BL

Tgt Ion:244 Resp: 1286884
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.2 7.8
 122 9.6 7.9 11.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.598 min Scan# 2279
 Delta R.T. -0.000 min
 Lab File: BF143564.D
 Acq: 22 Aug 2025 10:58

Tgt Ion:264 Resp: 204292
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.7 28.1
 265 21.7 17.6 26.4

