

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082225\
 Data File : BF143575.D
 Acq On : 22 Aug 2025 16:24
 Operator : RC/JU
 Sample : Q2903-10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-17A-081925

Quant Time: Aug 22 16:58:52 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)

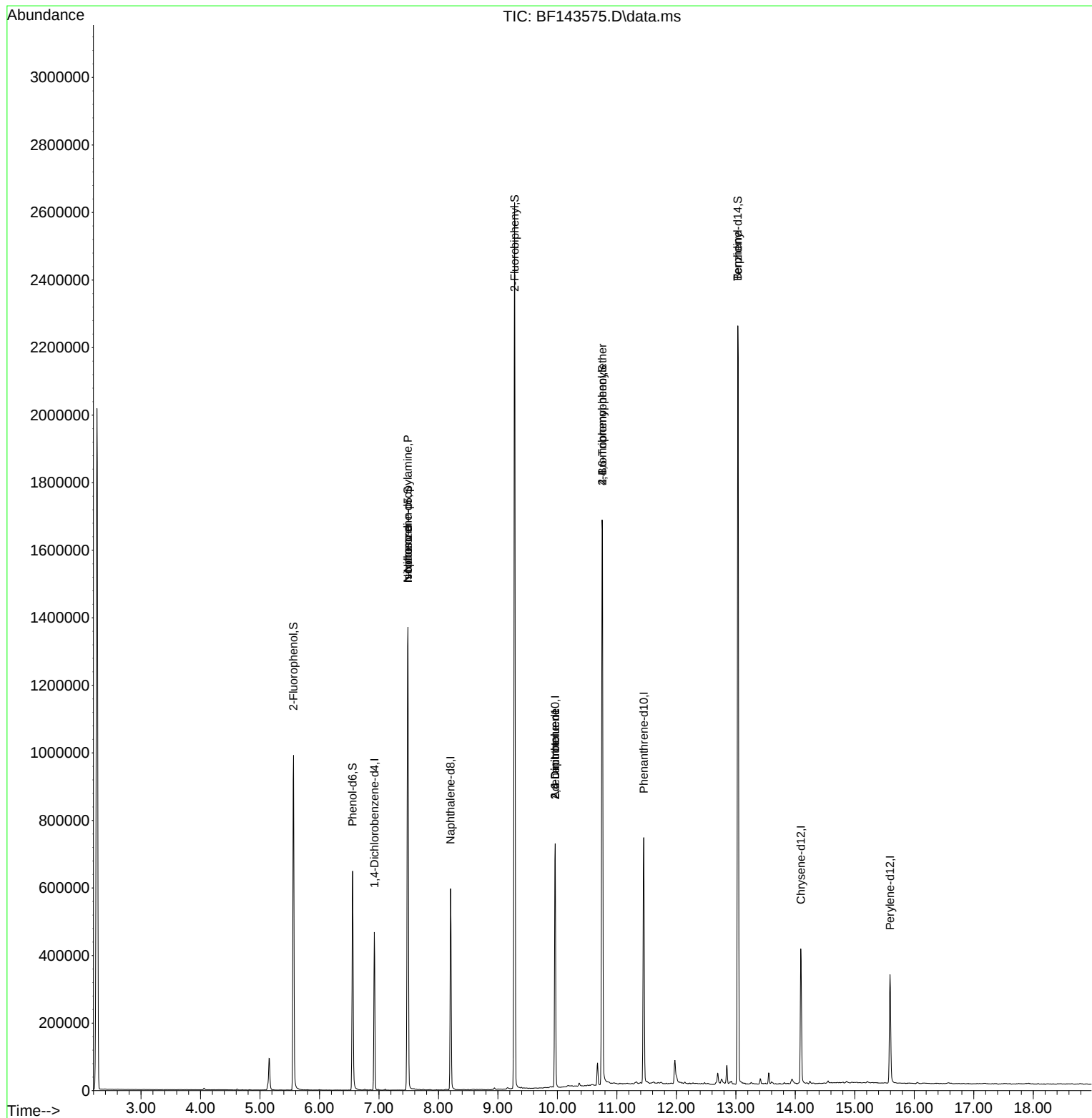
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	91723	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	366130	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	214850	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	364260	20.000	ng	0.00
76) Chrysene-d12	14.092	240	199085	20.000	ng	-0.01
86) Perylene-d12	15.592	264	192075	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	342952	65.289	ng	0.00
7) Phenol-d6	6.557	99	273706	42.210	ng	-0.02
23) Nitrobenzene-d5	7.487	82	635718	101.322	ng	-0.01
42) 2,4,6-Tribromophenol	10.757	330	292218	146.114	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	1123398	86.414	ng	0.00
79) Terphenyl-d14	13.033	244	1102057	96.599	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.487	70	89037	22.465	ng	# 81
25) Isophorone	7.487	82	614705	53.447	ng	# 65
51) 2,6-Dinitrotoluene	9.963	165	27463	10.240	ng	# 26
57) 2,4-Dinitrotoluene	9.963	165	27463	7.669	ng	# 26
67) 4-Bromophenyl-phenylether	10.757	248	20348	4.682	ng	# 1
77) Benzidine	13.033	184	14927	3.078	ng	# 93

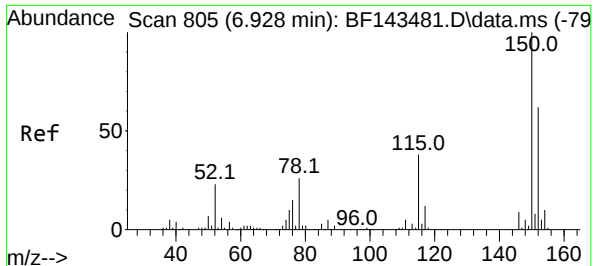
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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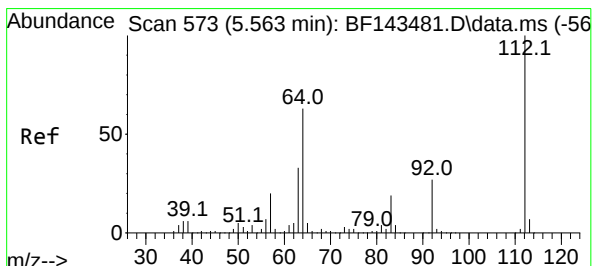
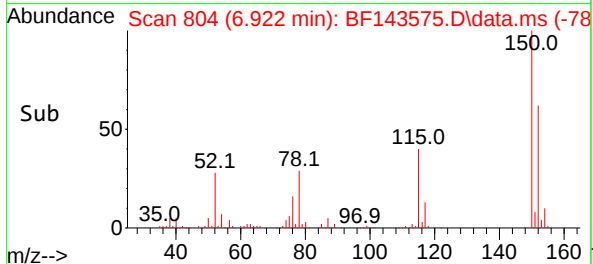
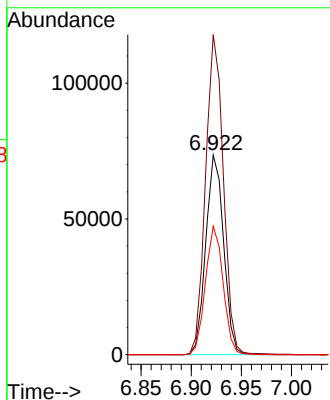
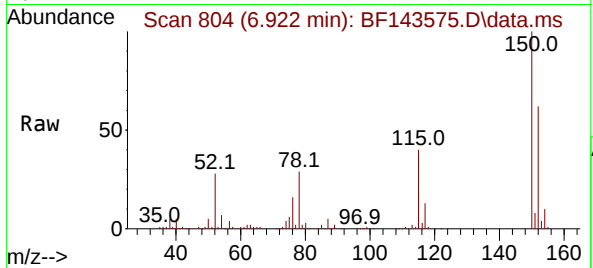




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF143575.D
Acq: 22 Aug 2025 16:24

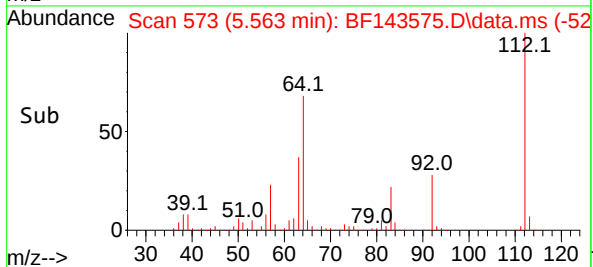
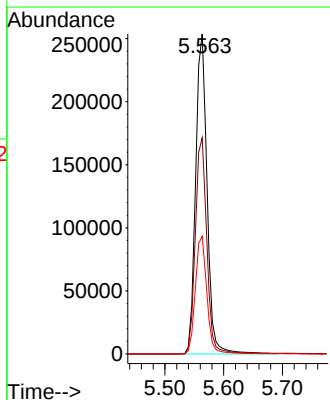
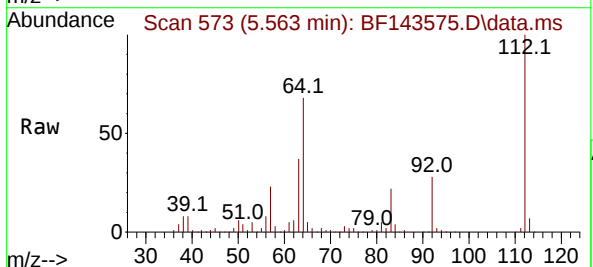
Instrument :
BNA_F
ClientSampleId :
MW-17A-081925

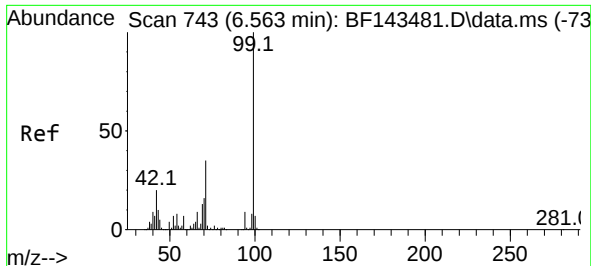
Tgt Ion:152 Resp: 91723
Ion Ratio Lower Upper
152 100
150 160.2 128.9 193.3
115 64.2 49.2 73.8



#5
2-Fluorophenol
Concen: 65.289 ng
RT: 5.563 min Scan# 573
Delta R.T. 0.000 min
Lab File: BF143575.D
Acq: 22 Aug 2025 16:24

Tgt Ion:112 Resp: 342952
Ion Ratio Lower Upper
112 100
64 67.5 50.4 75.6
63 36.8 26.4 39.6

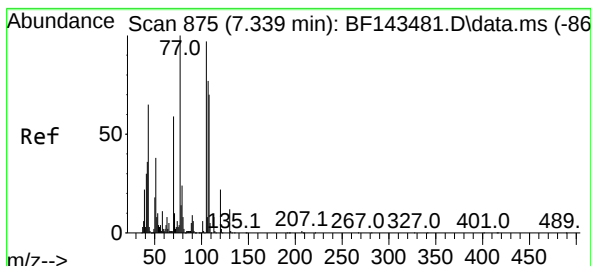
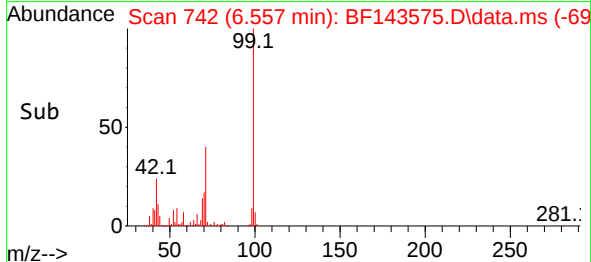
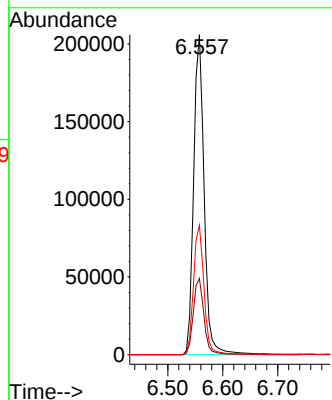
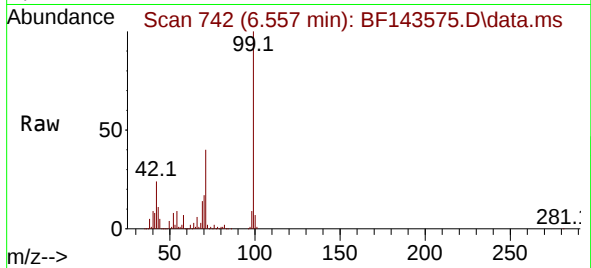




#7
Phenol-d6
Concen: 42.210 ng
RT: 6.557 min Scan# 743
Delta R.T. -0.018 min
Lab File: BF143575.D
Acq: 22 Aug 2025 16:24

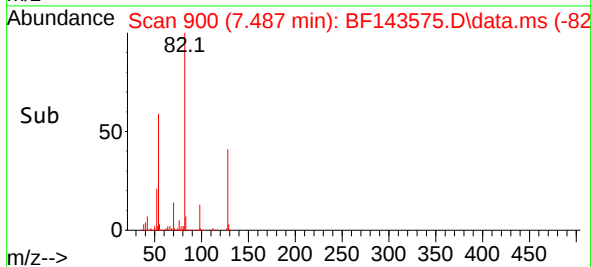
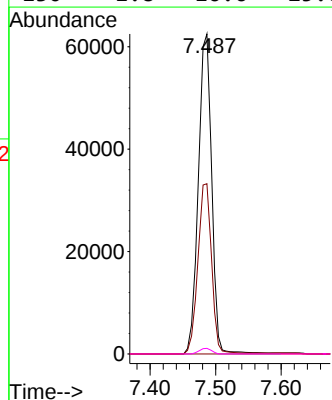
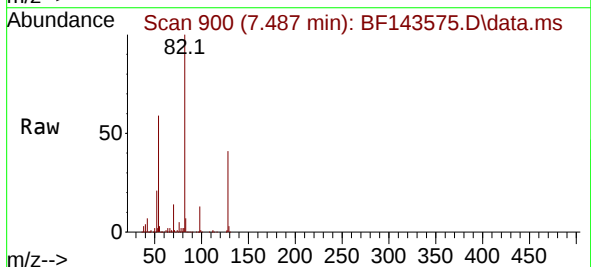
Instrument :
BNA_F
ClientSampleId :
MW-17A-081925

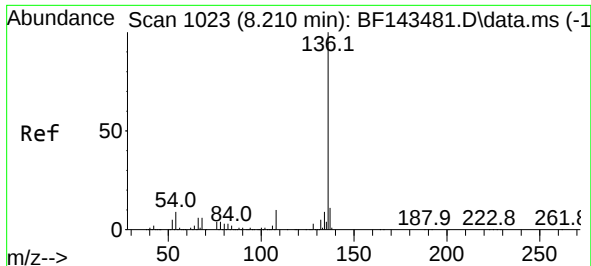
Tgt Ion: 99 Resp: 273706
Ion Ratio Lower Upper
99 100
42 23.8 16.3 24.5
71 40.4 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 22.465 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.135 min
Lab File: BF143575.D
Acq: 22 Aug 2025 16:24

Tgt Ion: 70 Resp: 89037
Ion Ratio Lower Upper
70 100
42 53.2 49.3 73.9
101 0.0 7.8 11.8#
130 1.8 16.6 25.0#



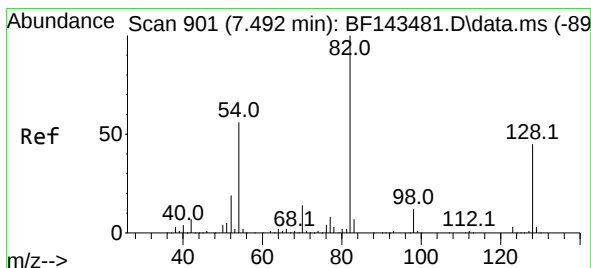
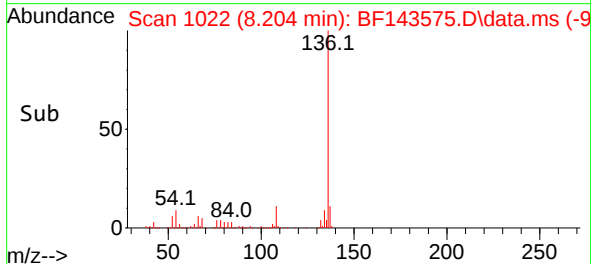
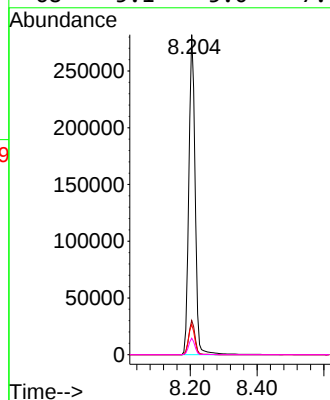
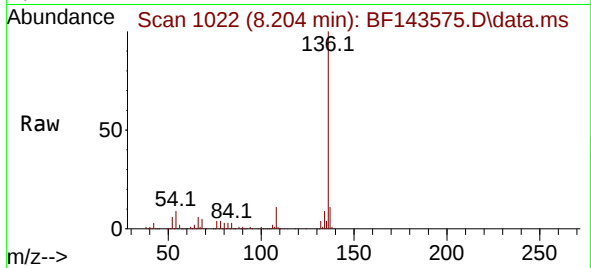


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF143575.D
Acq: 22 Aug 2025 16:24

Instrument :
BNA_F
ClientSampleId :
MW-17A-081925

Tgt Ion:136 Resp: 366130

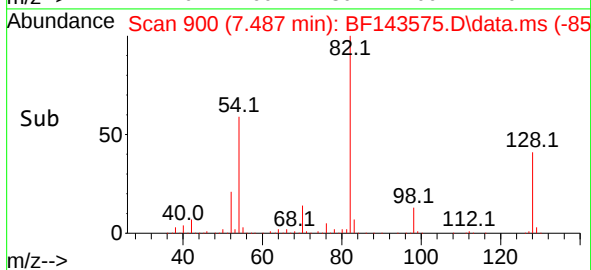
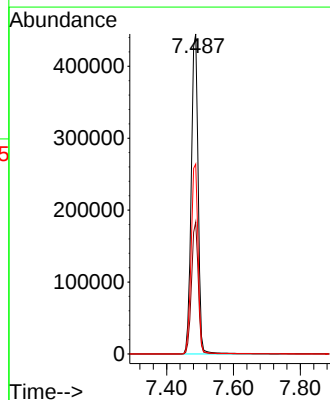
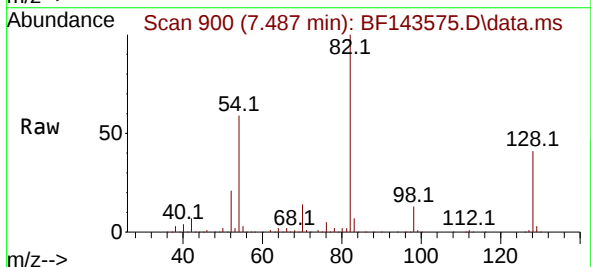
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.4
54	9.4	7.4	11.2
68	5.1	5.0	7.4

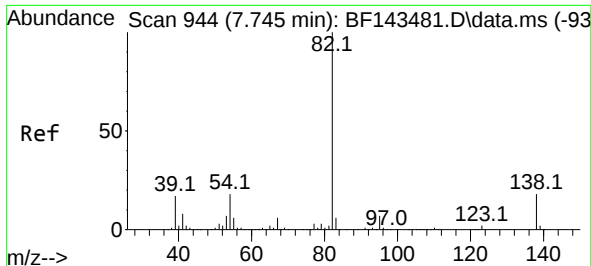


#23
Nitrobenzene-d5
Concen: 101.322 ng
RT: 7.487 min Scan# 900
Delta R.T. -0.012 min
Lab File: BF143575.D
Acq: 22 Aug 2025 16:24

Tgt Ion: 82 Resp: 635718

Ion	Ratio	Lower	Upper
82	100		
128	41.2	35.5	53.3
54	59.3	44.3	66.5

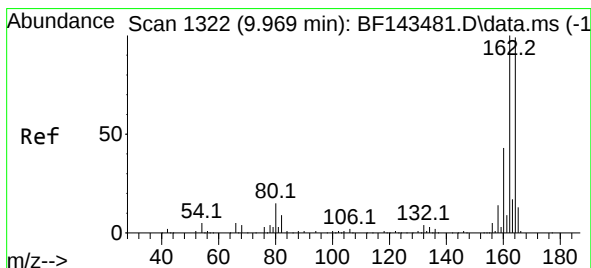
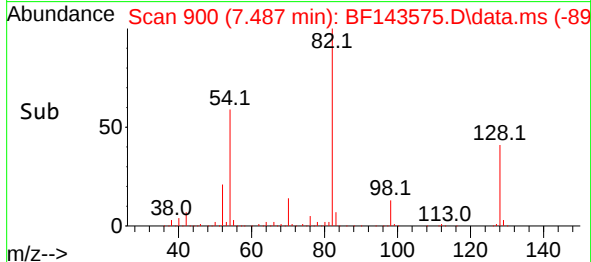
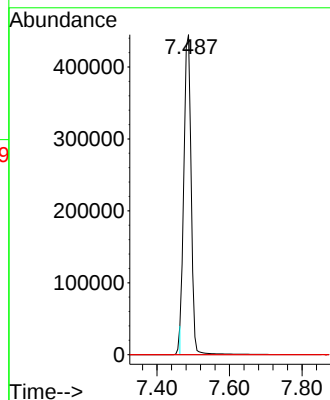
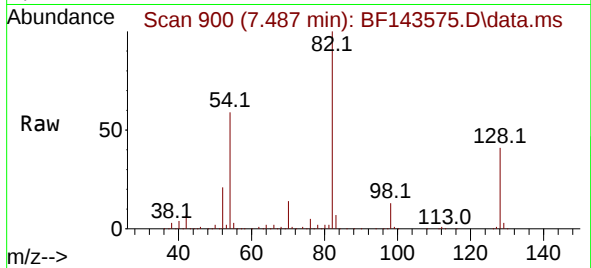




#25
Isophorone
Concen: 53.447 ng
RT: 7.487 min Scan# 90
Delta R.T. -0.270 min
Lab File: BF143575.D
Acq: 22 Aug 2025 16:24

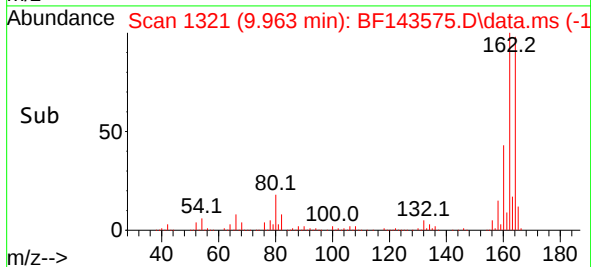
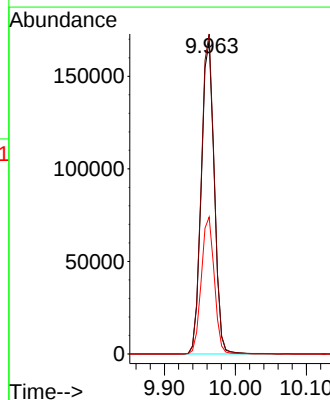
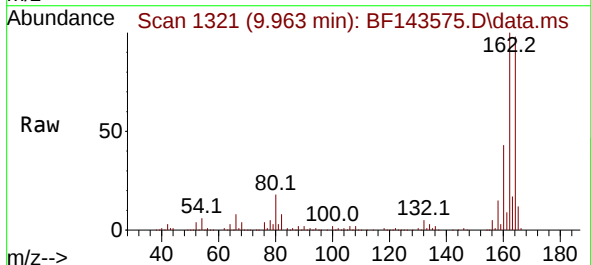
Instrument :
BNA_F
ClientSampleId :
MW-17A-081925

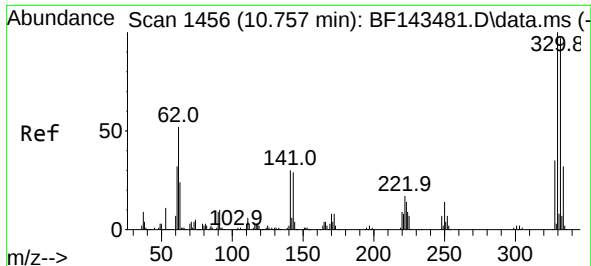
Tgt Ion: 82 Resp: 614705
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 14.2 21.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF143575.D
Acq: 22 Aug 2025 16:24

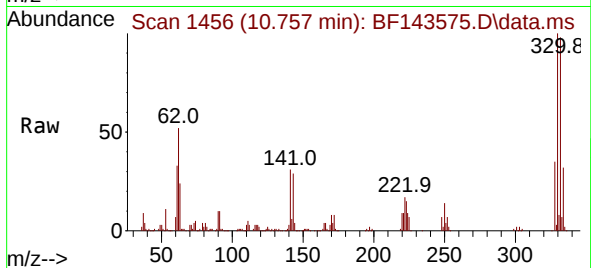
Tgt Ion:164 Resp: 214850
Ion Ratio Lower Upper
164 100
162 102.3 80.5 120.7
160 43.8 34.3 51.5



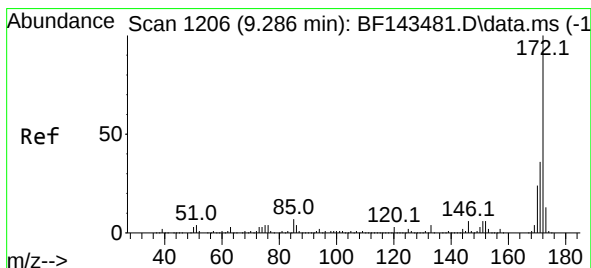
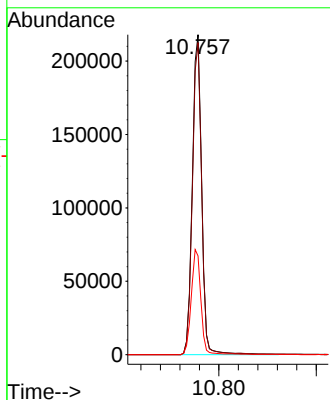
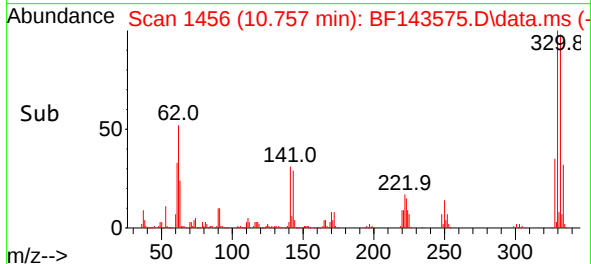


#42
2,4,6-Tribromophenol
Concen: 146.114 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF143575.D
Acq: 22 Aug 2025 16:24

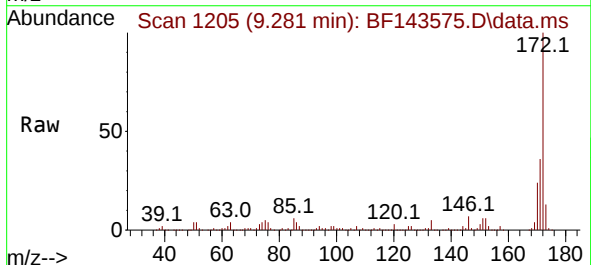
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ClientSampleId :
MW-17A-081925



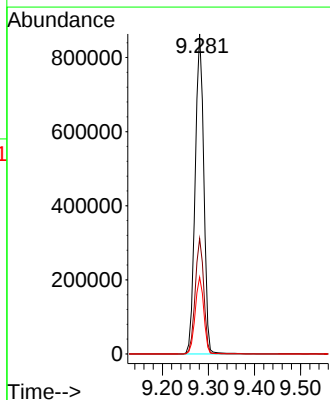
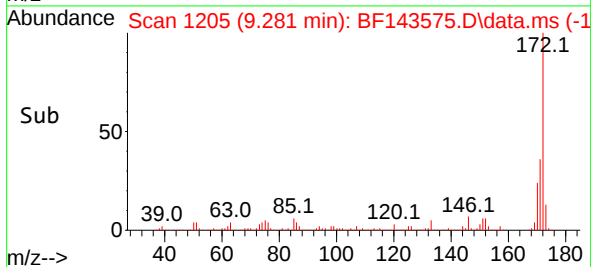
Tgt Ion:330 Resp: 292218
Ion Ratio Lower Upper
330 100
332 96.0 78.0 117.0
141 33.9 23.7 35.5

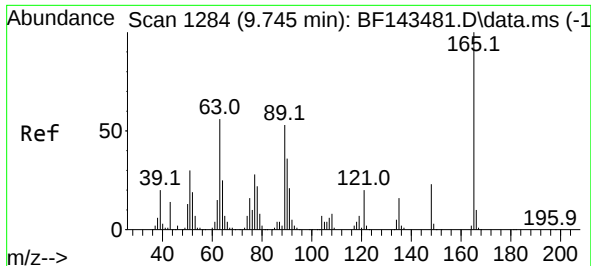


#45
2-Fluorobiphenyl
Concen: 86.414 ng
RT: 9.281 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF143575.D
Acq: 22 Aug 2025 16:24



Tgt Ion:172 Resp: 1123398
Ion Ratio Lower Upper
172 100
171 36.1 28.8 43.2
170 24.0 18.8 28.2





#51

2,6-Dinitrotoluene

Concen: 10.240 ng

RT: 9.963 min Scan# 1

Delta R.T. 0.212 min

Lab File: BF143575.D

Acq: 22 Aug 2025 16:24

Instrument :

BNA_F

ClientSampleId :

MW-17A-081925

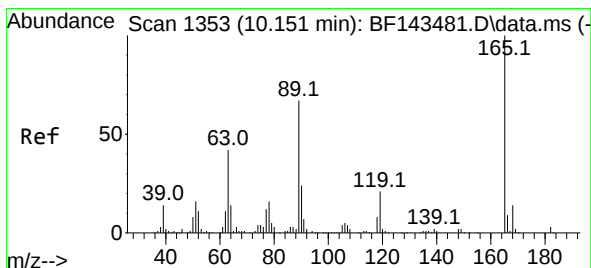
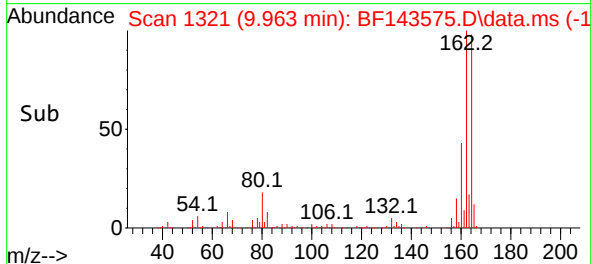
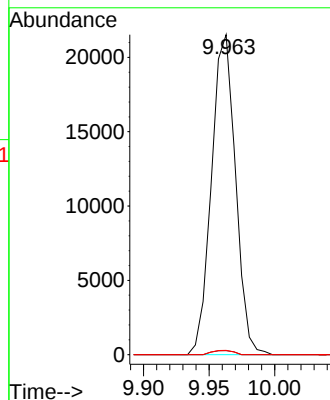
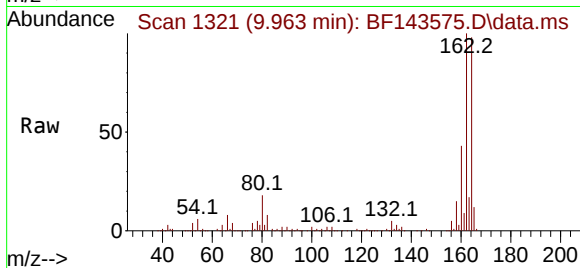
Tgt Ion:165 Resp: 27463

Ion Ratio Lower Upper

165 100

63 1.2 45.0 67.6#

89 1.4 42.5 63.7#



#57

2,4-Dinitrotoluene

Concen: 7.669 ng

RT: 9.963 min Scan# 1321

Delta R.T. -0.194 min

Lab File: BF143575.D

Acq: 22 Aug 2025 16:24

Tgt Ion:165 Resp: 27463

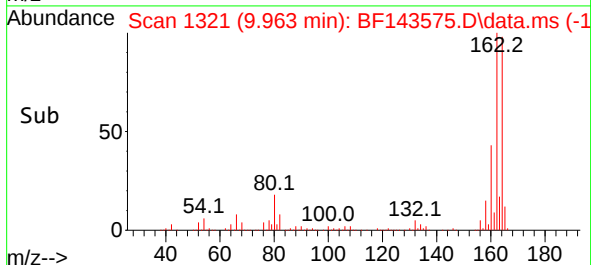
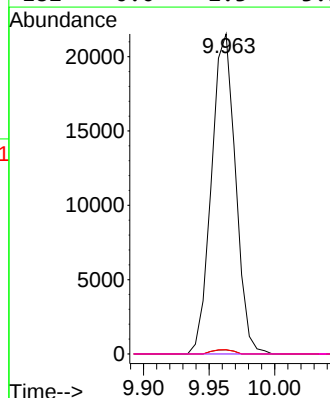
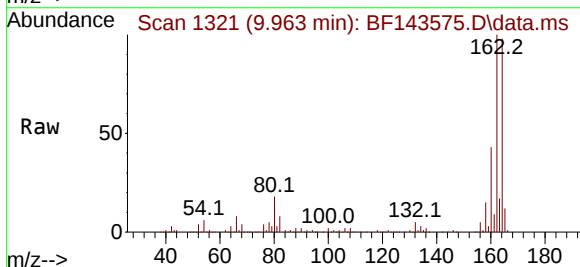
Ion Ratio Lower Upper

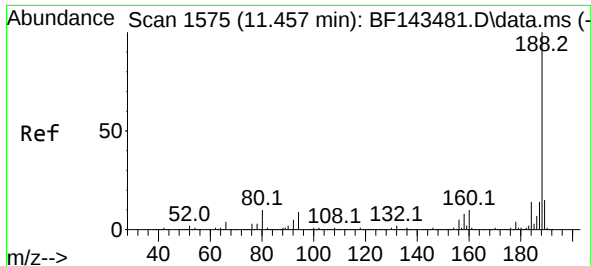
165 100

63 1.2 34.9 52.3#

89 1.4 53.3 79.9#

182 0.0 2.3 3.5#

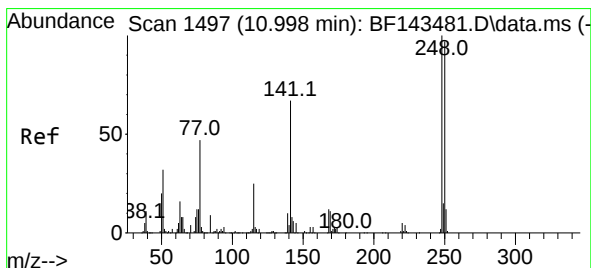
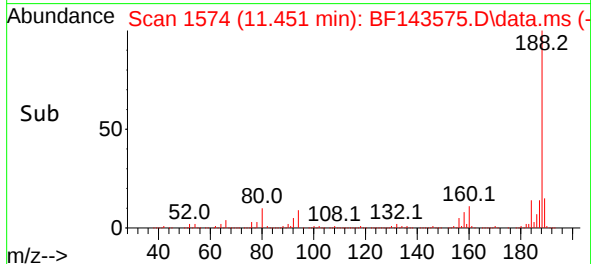
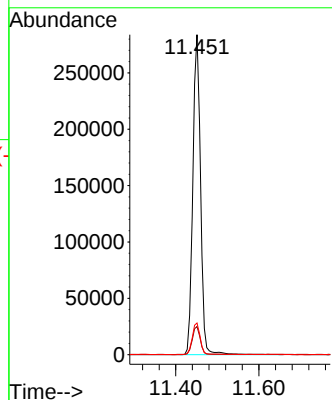
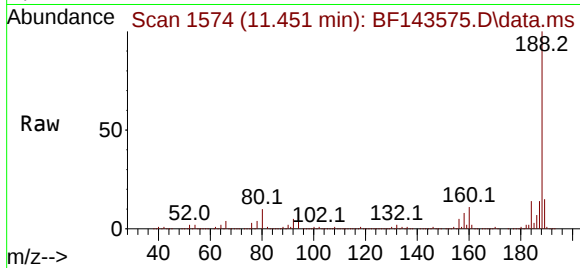




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143575.D
Acq: 22 Aug 2025 16:24

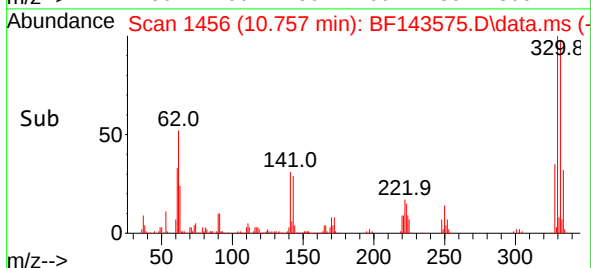
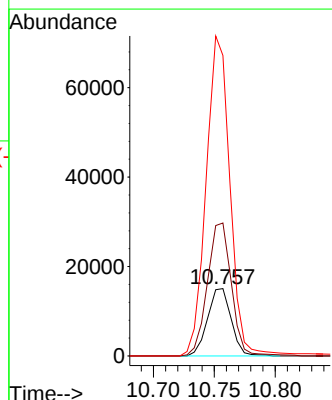
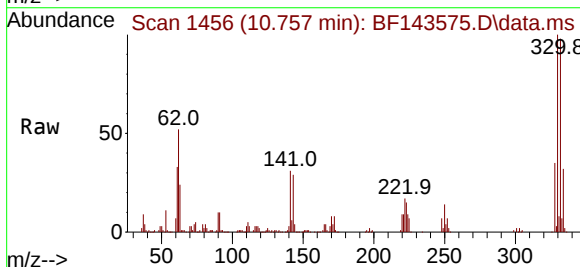
Instrument :
BNA_F
ClientSampleId :
MW-17A-081925

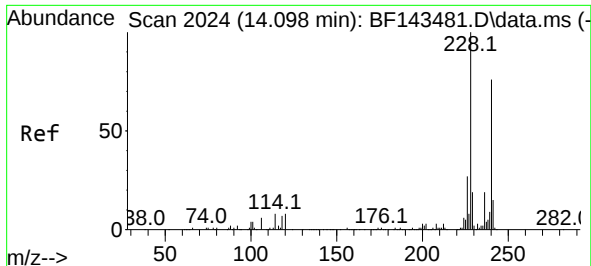
Tgt Ion:188 Resp: 364260
Ion Ratio Lower Upper
188 100
94 8.8 7.4 11.2
80 9.9 8.2 12.4



#67
4-Bromophenyl-phenylether
Concen: 4.682 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.241 min
Lab File: BF143575.D
Acq: 22 Aug 2025 16:24

Tgt Ion:248 Resp: 20348
Ion Ratio Lower Upper
248 100
250 197.4 77.8 116.8#
141 445.9 54.0 81.0#

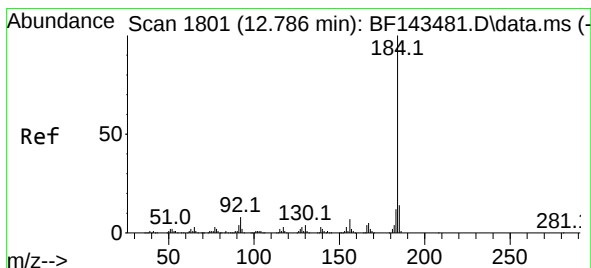
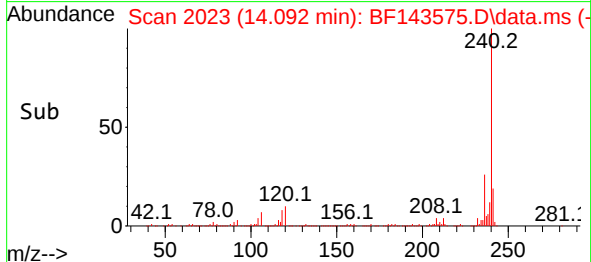
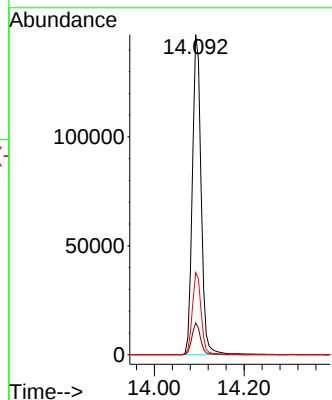
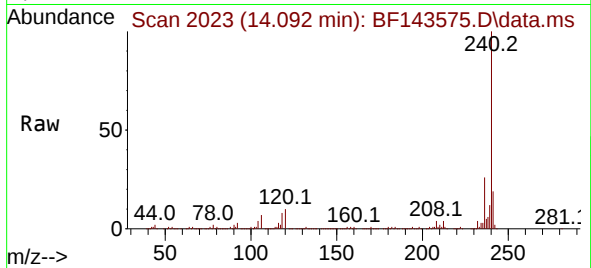




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF143575.D
Acq: 22 Aug 2025 16:24

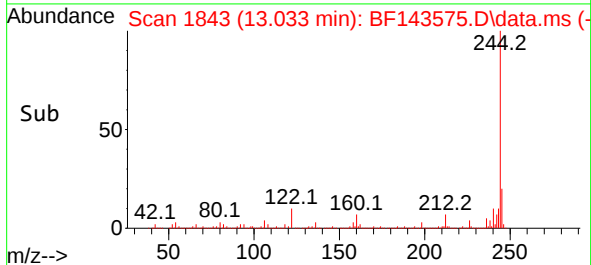
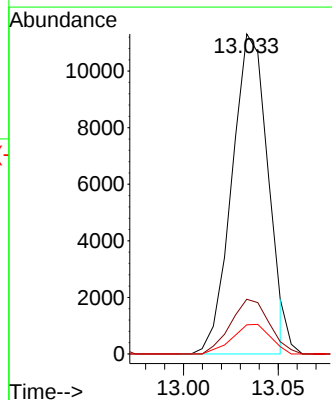
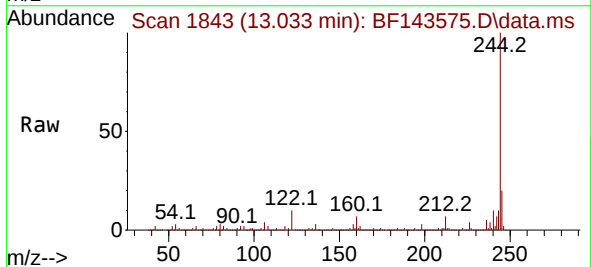
Instrument :
BNA_F
ClientSampleId :
MW-17A-081925

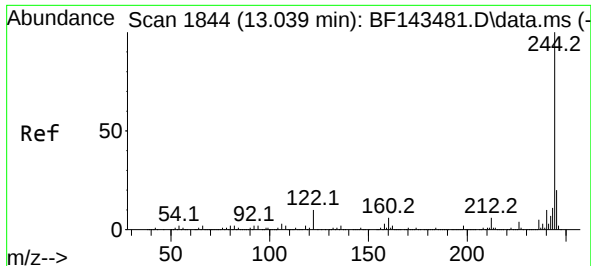
Tgt Ion:240 Resp: 199085
Ion Ratio Lower Upper
240 100
120 9.9 8.6 12.8
236 25.7 20.4 30.6



#77
Benzidine
Concen: 3.078 ng
RT: 13.033 min Scan# 1843
Delta R.T. 0.247 min
Lab File: BF143575.D
Acq: 22 Aug 2025 16:24

Tgt Ion:184 Resp: 14927
Ion Ratio Lower Upper
184 100
185 17.1 11.3 16.9#
183 9.1 9.5 14.3#

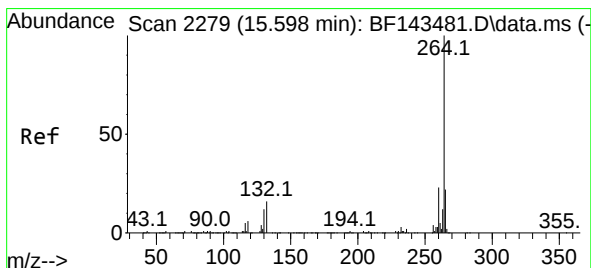
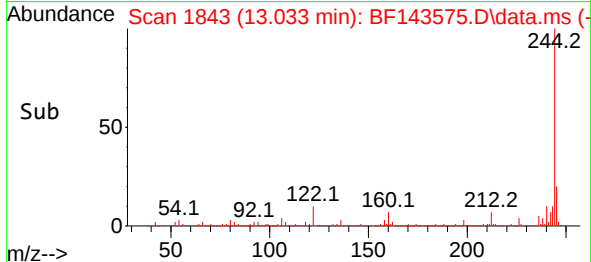
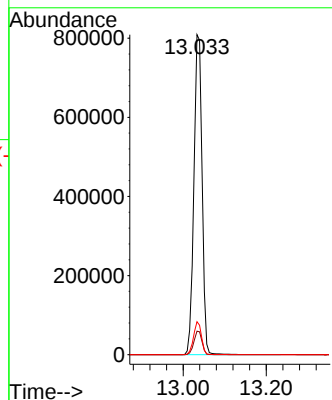
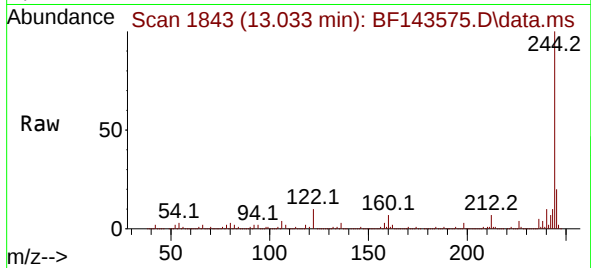




#79
 Terphenyl-d14
 Concen: 96.599 ng
 RT: 13.033 min Scan# 1844
 Delta R.T. -0.006 min
 Lab File: BF143575.D
 Acq: 22 Aug 2025 16:24

Instrument :
 BNA_F
 ClientSampleId :
 MW-17A-081925

Tgt Ion:244 Resp: 1102057
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.2 7.8
 122 10.3 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: BF143575.D
 Acq: 22 Aug 2025 16:24

Tgt Ion:264 Resp: 192075
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.7 28.1
 265 21.2 17.6 26.4

