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 Data File : BF143582.D
 Acq On : 22 Aug 2025 19:50
 Operator : RC/JU
 Sample : Q2924-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-2B-082025

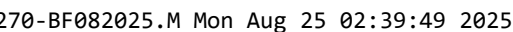
Quant Time: Aug 25 02:39:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 21 06:12:21 2025
 Response via : Initial Calibration

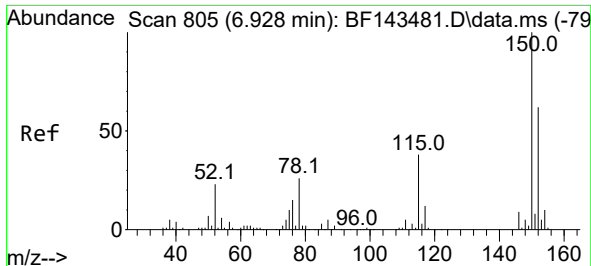
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	97960	20.000	ng	0.00
21) Naphthalene-d8	8.228	136	310044	20.000	ng	0.02
39) Acenaphthene-d10	9.963	164	220938	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	347033	20.000	ng	0.00
76) Chrysene-d12	14.092	240	201002	20.000	ng	-0.01
86) Perylene-d12	15.592	264	183367	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	412450	73.520	ng	0.00
7) Phenol-d6	6.563	99	370154	53.450	ng	-0.01
23) Nitrobenzene-d5	7.487	82	625228	117.677	ng	-0.01
42) 2,4,6-Tribromophenol	10.757	330	289789	140.906	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	1169319	87.468	ng	0.00
79) Terphenyl-d14	13.039	244	1167501	101.359	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.481	77	22673	4.044	ng	# 1
10) Phenol	6.575	94	38915	4.878	ng	92
15) Benzyl Alcohol	7.134	79	23979	4.625	ng	# 1
18) Hexachloroethane	7.492	117	293992	123.814	ng	# 3
19) n-Nitroso-di-n-propyla...	7.487	70	89080	21.045	ng	# 82
27) 2,4-Dimethylphenol	7.875	122	8569	2.052	ng	98
31) Naphthalene	8.269	128	13284387	892.455	ng	94
32) Benzoic acid	8.010	122	8688	8.764	ng	# 1
33) 4-Chloroaniline	8.269	127	2027205	383.713	ng	# 35
35) Caprolactam	8.928	113	40453	37.802	ng	# 1
37) 2-Methylnaphthalene	8.928	142	1558649	156.780	ng	99
38) 1-Methylnaphthalene	9.034	142	2229071	234.401	ng	98
46) 1,1'-Biphenyl	9.381	154	191371	12.203	ng	99
52) Acenaphthene	9.998	154	703227	58.789	ng	98
54) 2,4-Dinitrophenol	10.110	184	1114	5.999	ng	# 38
55) Dibenzofuran	10.169	168	42620	2.499	ng	# 93
58) Fluorene	10.510	166	164405	12.525	ng	99
67) 4-Bromophenyl-phenylether	10.757	248	19723	4.763	ng	# 1
71) Phenanthrene	11.475	178	307631	16.553	ng	100
72) Anthracene	11.528	178	47571	2.527	ng	98
73) Carbazole	11.680	167	86024	5.576	ng	99
77) Benzidine	13.039	184	15745	3.216	ng	95

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

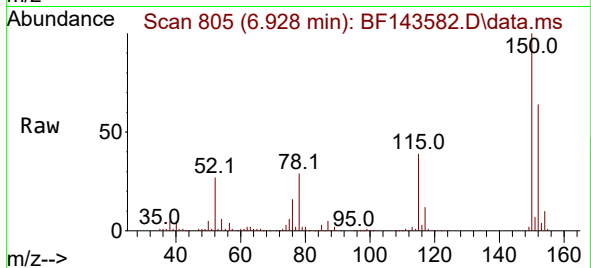
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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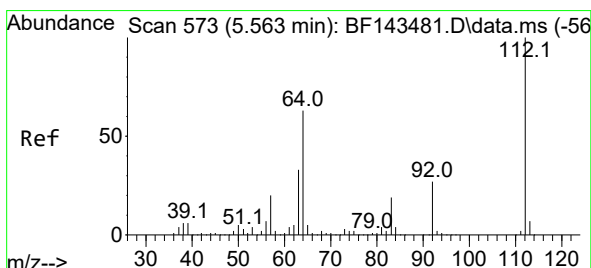
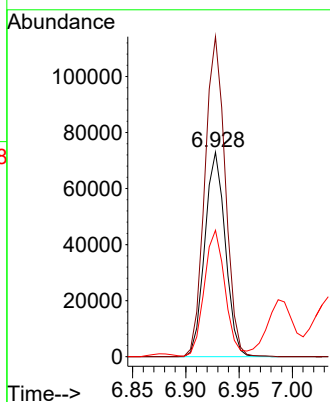
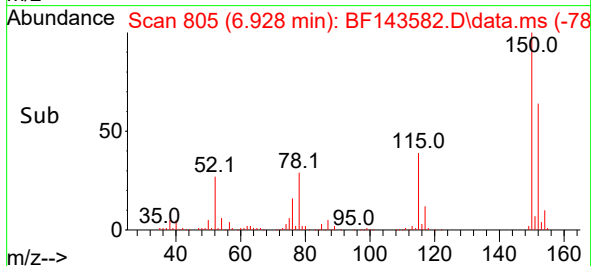


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143582.D
Acq: 22 Aug 2025 19:50

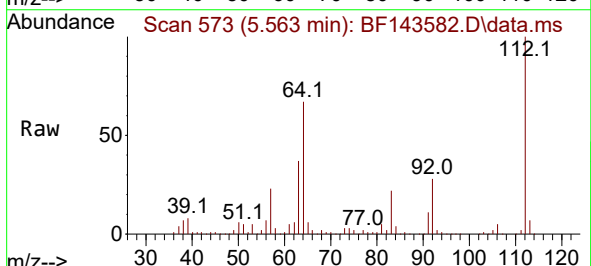
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ClientSampleId :
MW-2B-082025



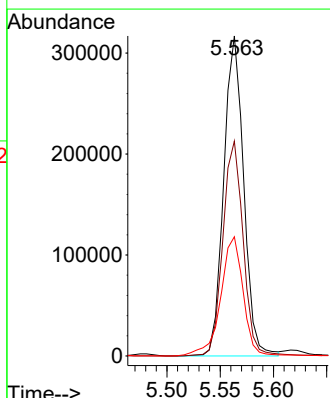
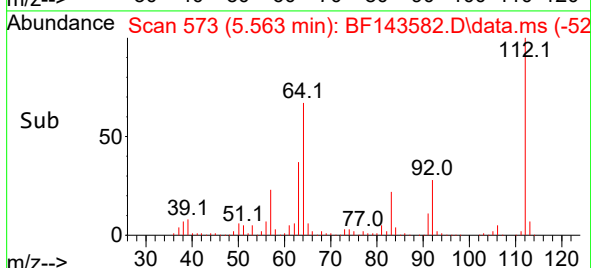
Tgt Ion:152 Resp: 97960
Ion Ratio Lower Upper
152 100
150 156.4 128.9 193.3
115 61.8 49.2 73.8

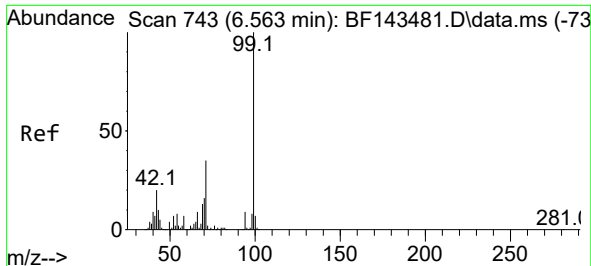


#5
2-Fluorophenol
Concen: 73.520 ng
RT: 5.563 min Scan# 573
Delta R.T. 0.000 min
Lab File: BF143582.D
Acq: 22 Aug 2025 19:50



Tgt Ion:112 Resp: 412450
Ion Ratio Lower Upper
112 100
64 67.2 50.4 75.6
63 37.3 26.4 39.6

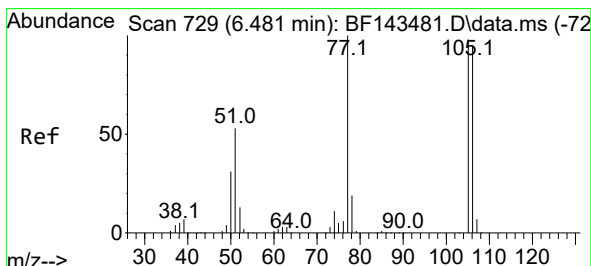
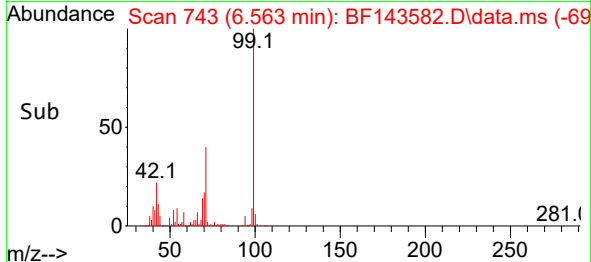
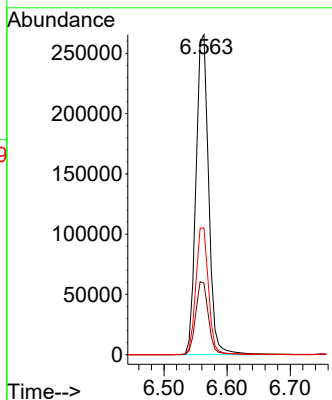
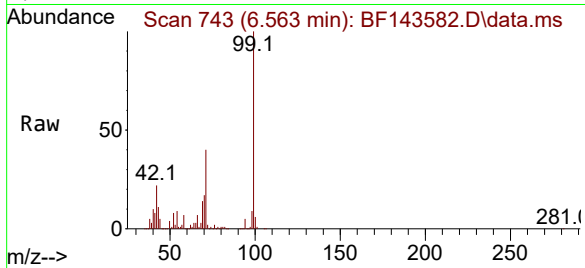




#7
Phenol-d6
Concen: 53.450 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.012 min
Lab File: BF143582.D
Acq: 22 Aug 2025 19:50

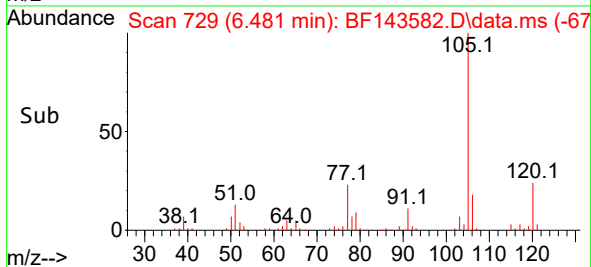
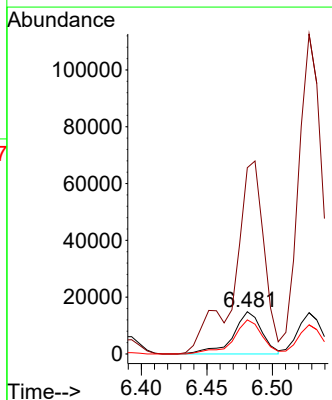
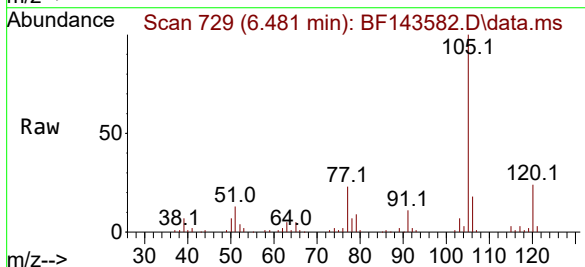
Instrument :
BNA_F
ClientSampleId :
MW-2B-082025

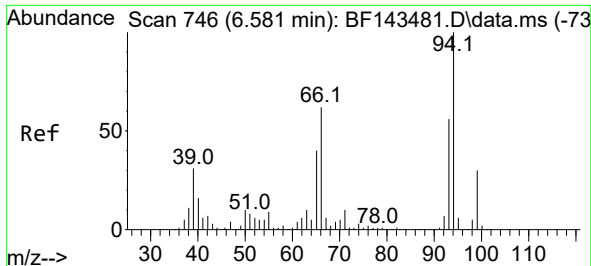
Tgt Ion: 99 Resp: 370154
Ion Ratio Lower Upper
99 100
42 22.4 16.3 24.5
71 39.6 28.2 42.2



#9
Benzaldehyde
Concen: 4.044 ng
RT: 6.481 min Scan# 729
Delta R.T. -0.000 min
Lab File: BF143582.D
Acq: 22 Aug 2025 19:50

Tgt Ion: 77 Resp: 22673
Ion Ratio Lower Upper
77 100
105 441.4 78.1 118.1#
106 80.7 74.9 114.9

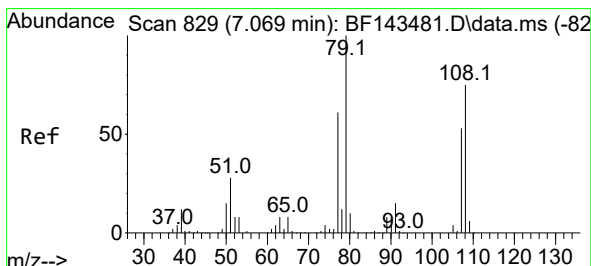
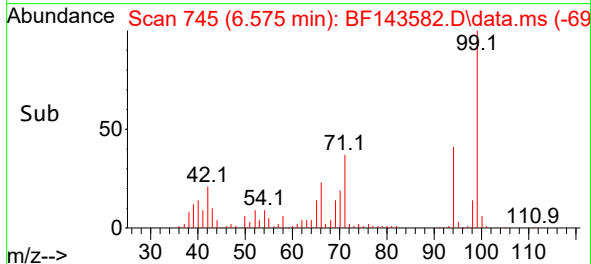
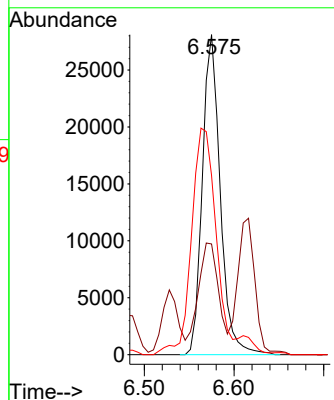
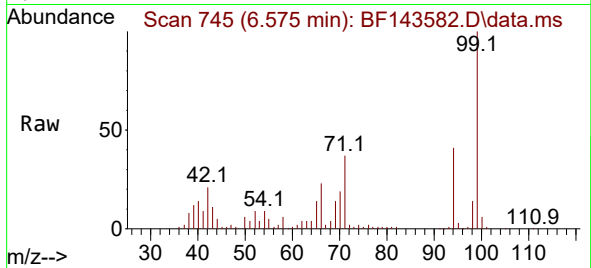




#10
Phenol
Concen: 4.878 ng
RT: 6.575 min Scan# 746
Delta R.T. -0.012 min
Lab File: BF143582.D
Acq: 22 Aug 2025 19:50

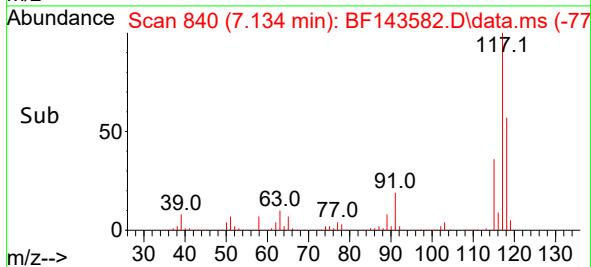
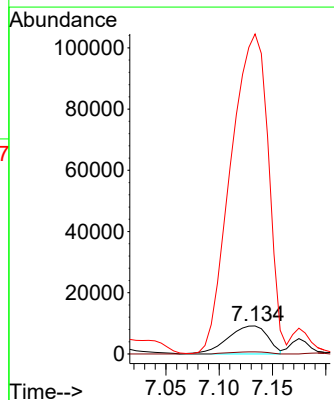
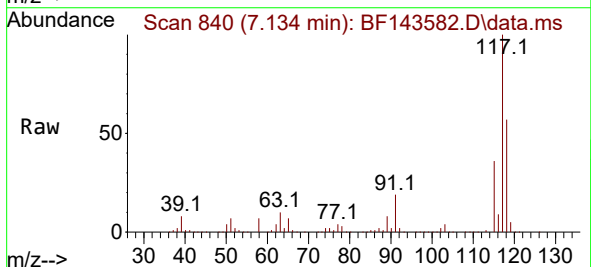
Instrument :
BNA_F
ClientSampleId :
MW-2B-082025

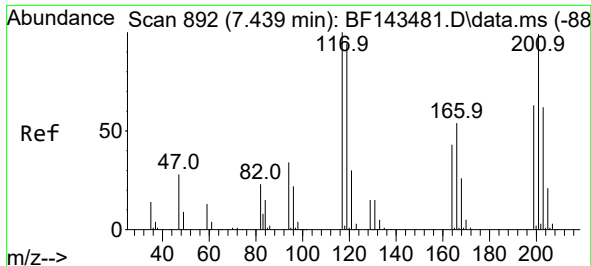
Tgt Ion: 94 Resp: 38915
Ion Ratio Lower Upper
94 100
65 34.6 19.5 59.5
66 56.0 42.5 82.5



#15
Benzyl Alcohol
Concen: 4.625 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.059 min
Lab File: BF143582.D
Acq: 22 Aug 2025 19:50

Tgt Ion: 79 Resp: 23979
Ion Ratio Lower Upper
79 100
108 7.4 59.8 89.6#
77 1142.8 49.0 73.4#

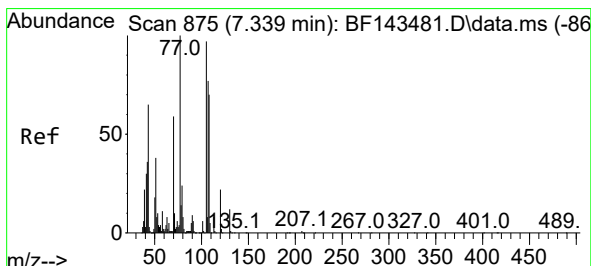
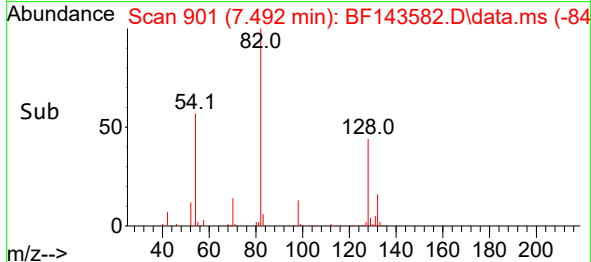
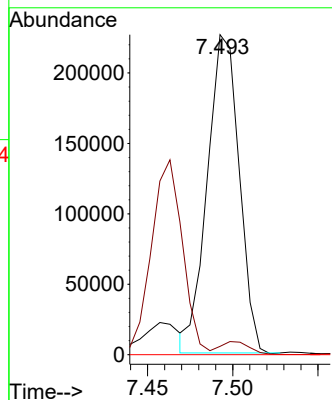
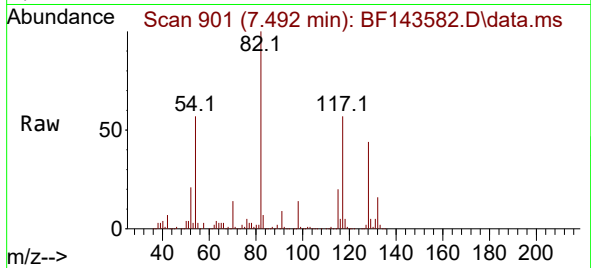




#18
Hexachloroethane
Concen: 123.814 ng
RT: 7.492 min Scan# 900
Delta R.T. 0.047 min
Lab File: BF143582.D
Acq: 22 Aug 2025 19:50

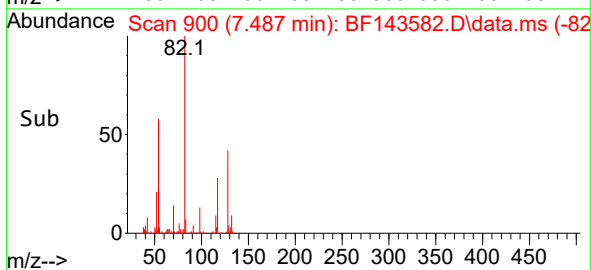
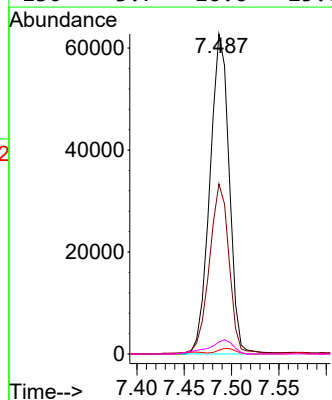
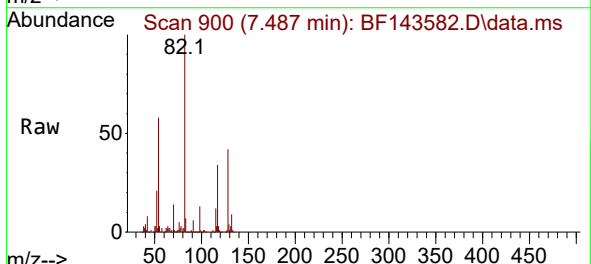
Instrument :
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ClientSampleId :
MW-2B-082025

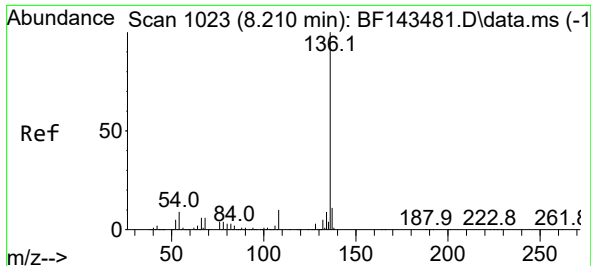
Tgt Ion:117 Resp: 293992
Ion Ratio Lower Upper
117 100
119 2.6 75.4 113.0#
201 0.0 79.0 118.4#



#19
n-Nitroso-di-n-propylamine
Concen: 21.045 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.135 min
Lab File: BF143582.D
Acq: 22 Aug 2025 19:50

Tgt Ion: 70 Resp: 89080
Ion Ratio Lower Upper
70 100
42 53.1 49.3 73.9
101 1.1 7.8 11.8#
130 3.7 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.228 min Scan# 1

Delta R.T. 0.018 min

Lab File: BF143582.D

Acq: 22 Aug 2025 19:50

Instrument :

BNA_F

ClientSampleId :

MW-2B-082025

Tgt Ion:136 Resp: 310044

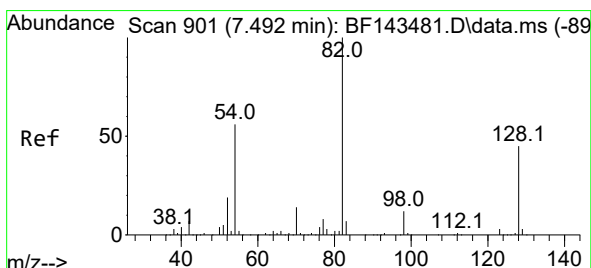
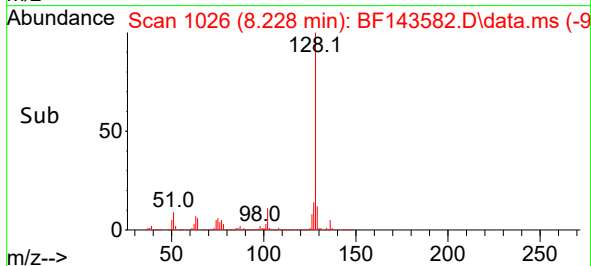
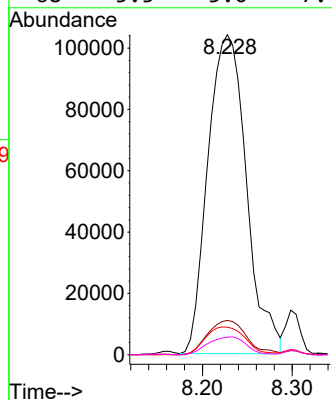
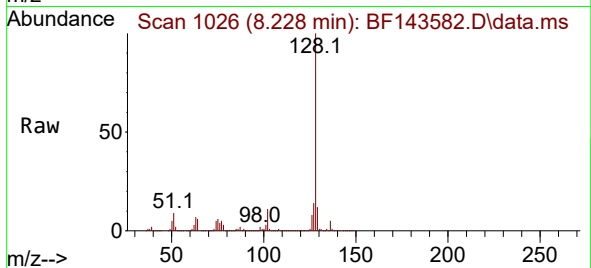
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.4

54 8.6 7.4 11.2

68 5.5 5.0 7.4



#23

Nitrobenzene-d5

Concen: 117.677 ng

RT: 7.487 min Scan# 900

Delta R.T. -0.012 min

Lab File: BF143582.D

Acq: 22 Aug 2025 19:50

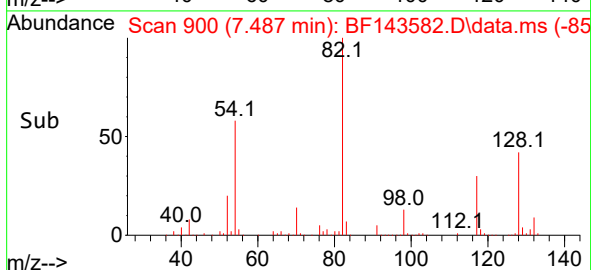
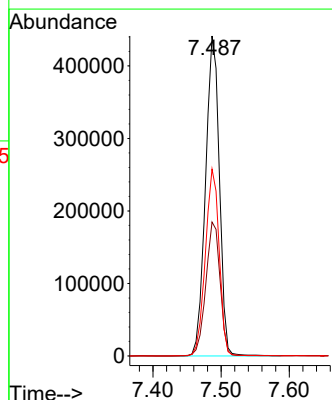
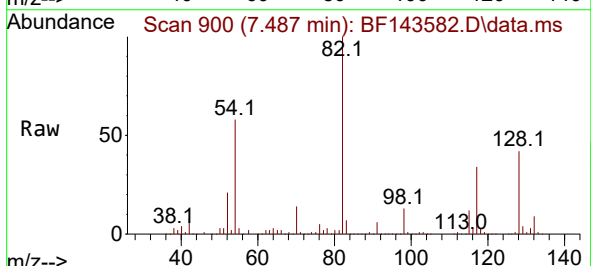
Tgt Ion: 82 Resp: 625228

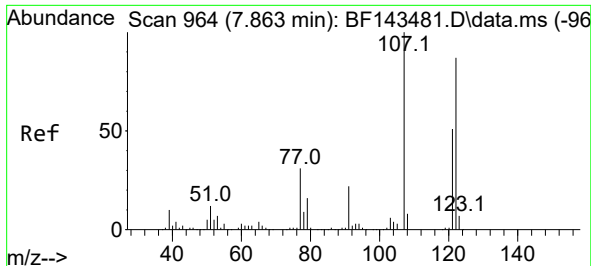
Ion Ratio Lower Upper

82 100

128 41.8 35.5 53.3

54 58.4 44.3 66.5

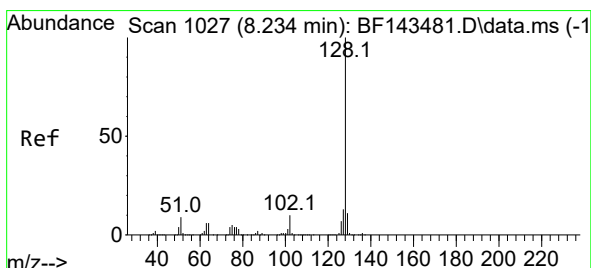
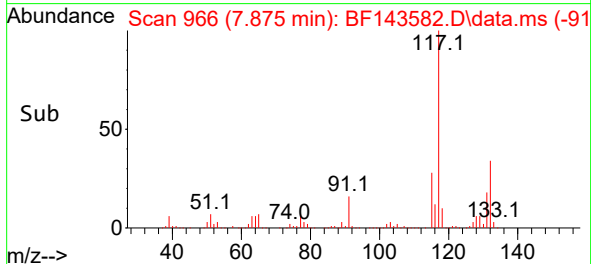
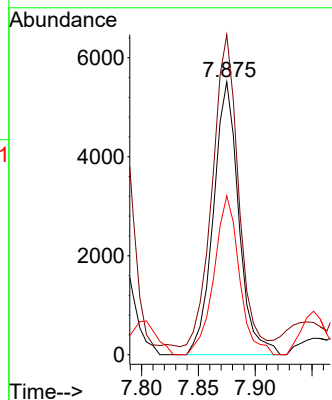
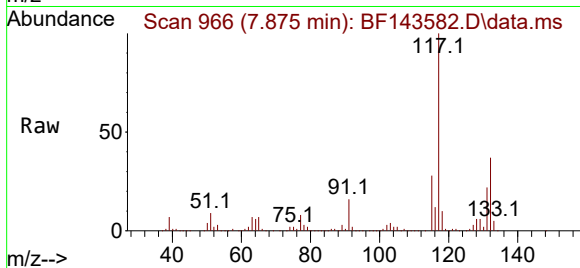




#27
2,4-Dimethylphenol
Concen: 2.052 ng
RT: 7.875 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF143582.D
Acq: 22 Aug 2025 19:50

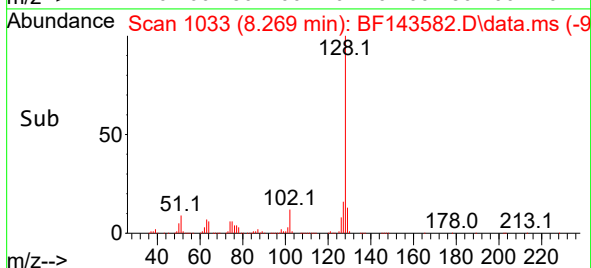
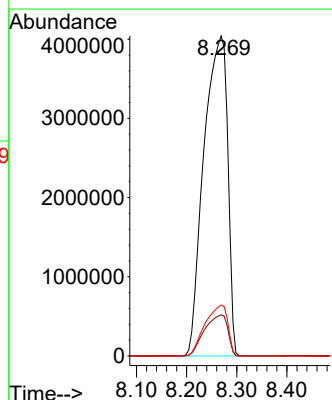
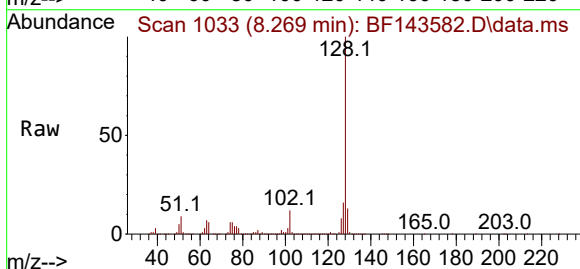
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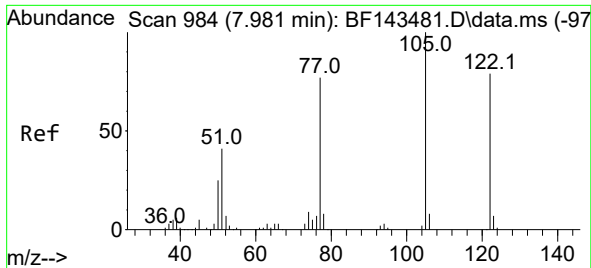
Tgt Ion:122 Resp: 8569
Ion Ratio Lower Upper
122 100
107 117.3 91.5 137.3
121 58.3 47.0 70.4



#31
Naphthalene
Concen: 892.455 ng
RT: 8.269 min Scan# 1033
Delta R.T. 0.035 min
Lab File: BF143582.D
Acq: 22 Aug 2025 19:50

Tgt Ion:128 Resp:13284387
Ion Ratio Lower Upper
128 100
129 12.8 8.8 13.2
127 15.9 10.6 16.0

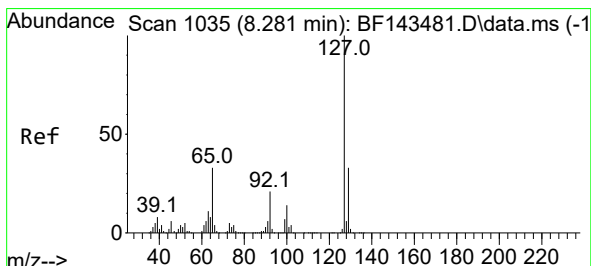
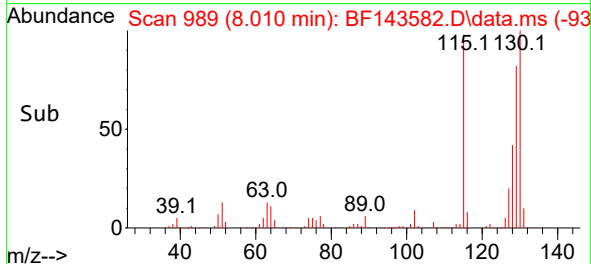
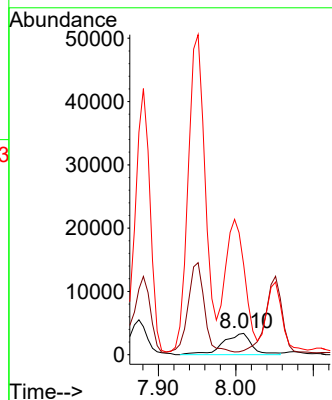
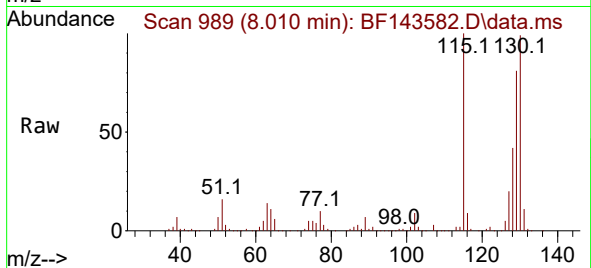




#32
Benzoic acid
Concen: 8.764 ng
RT: 8.010 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF143582.D
Acq: 22 Aug 2025 19:50

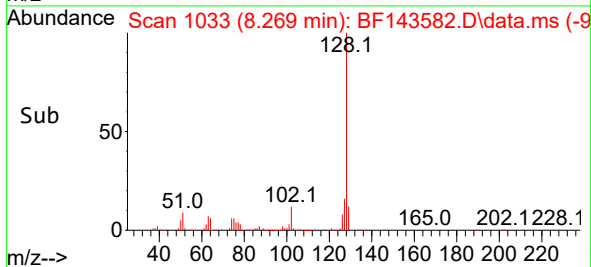
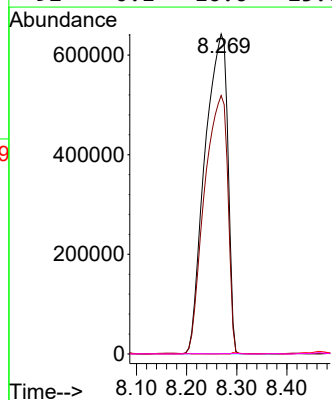
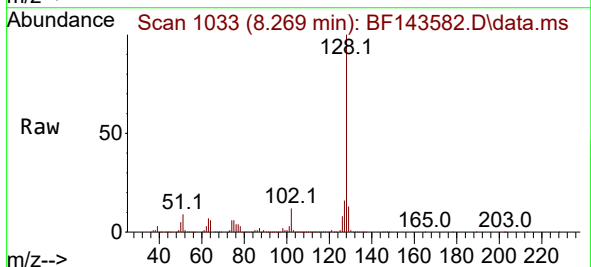
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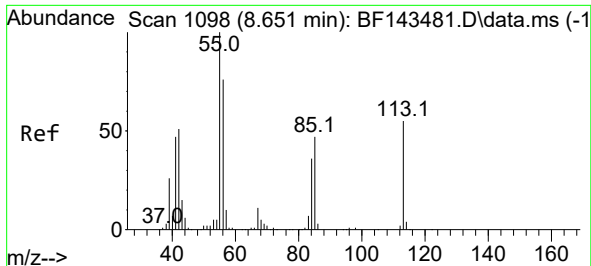
Tgt Ion:122 Resp: 8688
Ion Ratio Lower Upper
122 100
105 19.3 104.7 144.7#
77 420.7 77.3 117.3#



#33
4-Chloroaniline
Concen: 383.713 ng
RT: 8.269 min Scan# 1033
Delta R.T. -0.012 min
Lab File: BF143582.D
Acq: 22 Aug 2025 19:50

Tgt Ion:127 Resp: 2027205
Ion Ratio Lower Upper
127 100
129 80.8 26.1 39.1#
65 0.0 26.2 39.2#
92 0.1 16.6 25.0#

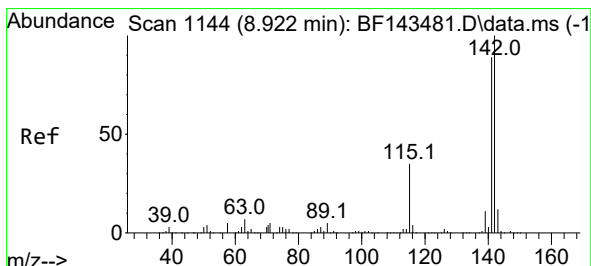
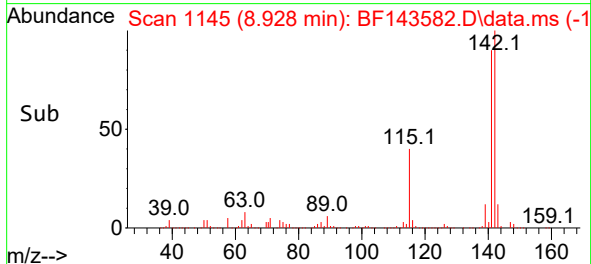
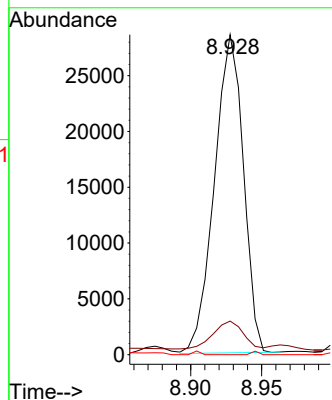
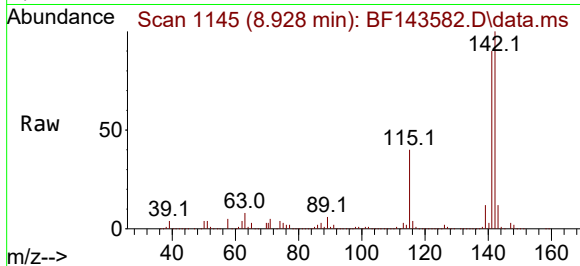




#35
 Caprolactam
 Concen: 37.802 ng
 RT: 8.928 min Scan# 1145
 Delta R.T. 0.253 min
 Lab File: BF143582.D
 Acq: 22 Aug 2025 19:50

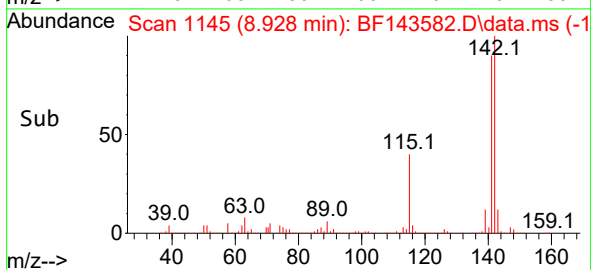
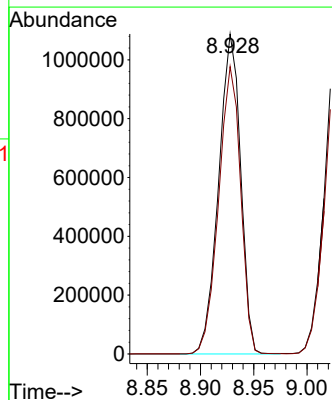
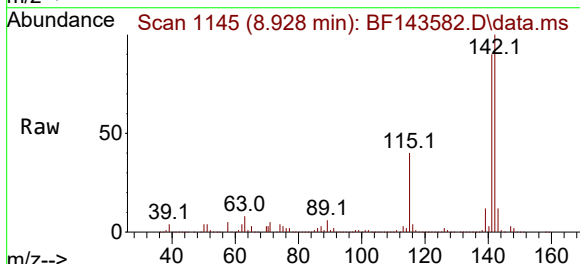
Instrument :
 BNA_F
 ClientSampleId :
 MW-2B-082025

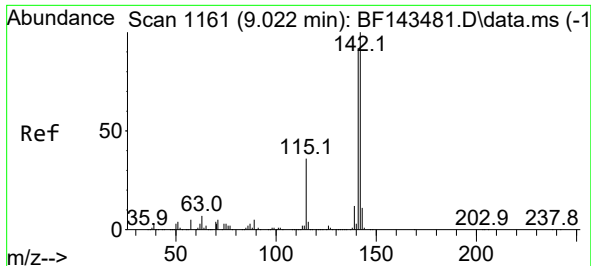
Tgt Ion:113 Resp: 40453
 Ion Ratio Lower Upper
 113 100
 55 10.5 162.8 202.8#
 56 0.0 118.1 158.1#



#37
 2-Methylnaphthalene
 Concen: 156.780 ng
 RT: 8.928 min Scan# 1145
 Delta R.T. 0.000 min
 Lab File: BF143582.D
 Acq: 22 Aug 2025 19:50

Tgt Ion:142 Resp: 1558649
 Ion Ratio Lower Upper
 142 100
 141 89.8 71.0 106.4





#38

1-Methylnaphthalene

Concen: 234.401 ng

RT: 9.034 min Scan# 1163

Delta R.T. 0.006 min

Lab File: BF143582.D

Acq: 22 Aug 2025 19:50

Instrument :

BNA_F

ClientSampleId :

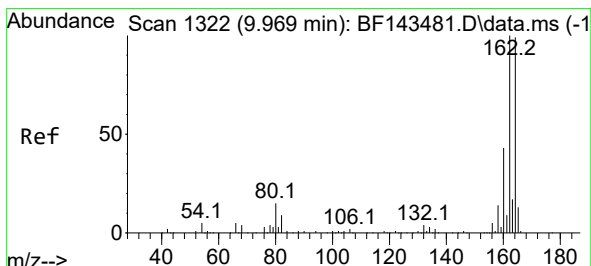
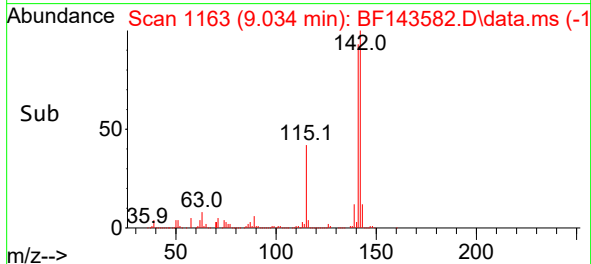
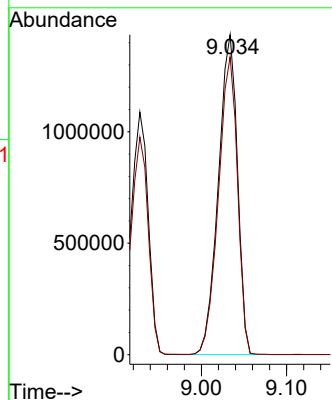
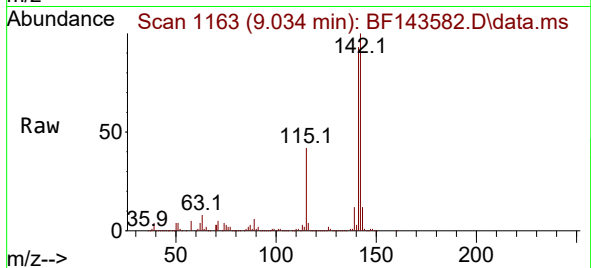
MW-2B-082025

Tgt Ion:142 Resp: 2229071

Ion Ratio Lower Upper

142 100

141 93.1 73.3 109.9



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.963 min Scan# 1321

Delta R.T. -0.006 min

Lab File: BF143582.D

Acq: 22 Aug 2025 19:50

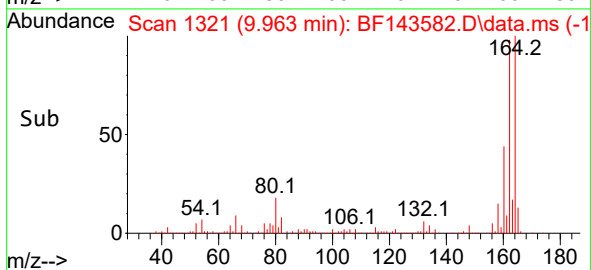
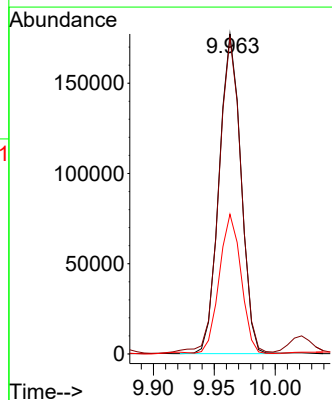
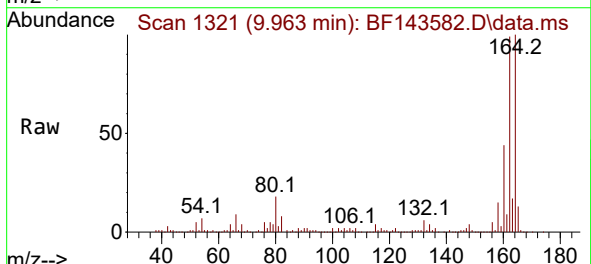
Tgt Ion:164 Resp: 220938

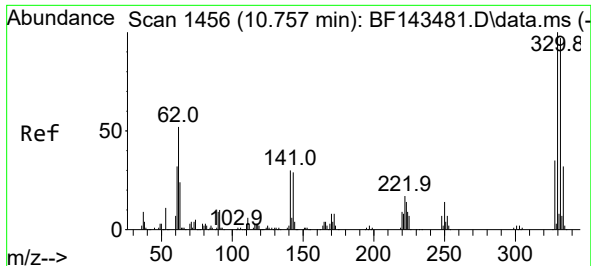
Ion Ratio Lower Upper

164 100

162 98.8 80.5 120.7

160 43.7 34.3 51.5





#42

2,4,6-Tribromophenol

Concen: 140.906 ng

RT: 10.757 min Scan# 1456

Delta R.T. -0.006 min

Lab File: BF143582.D

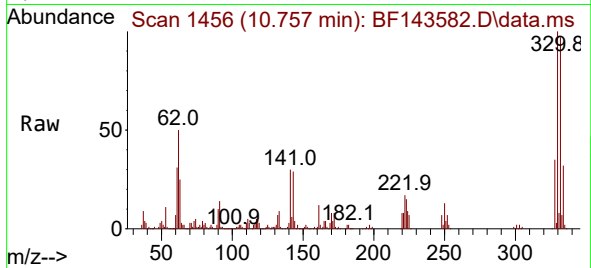
Acq: 22 Aug 2025 19:50

Instrument :

BNA_F

ClientSampleId :

MW-2B-082025



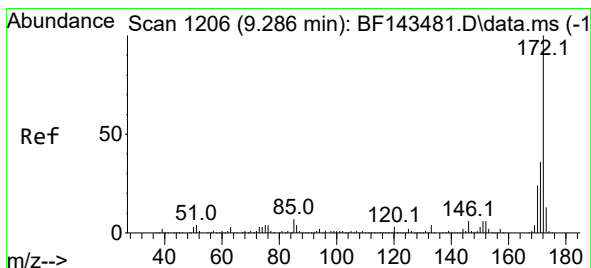
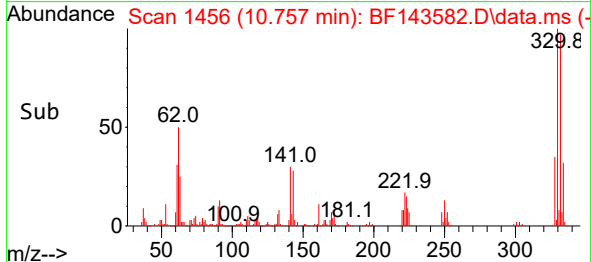
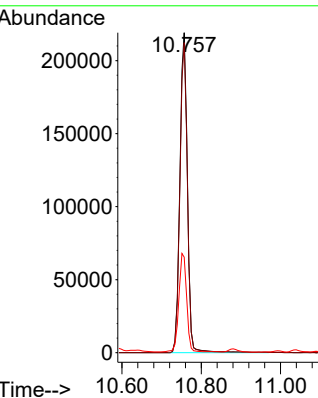
Tgt Ion:330 Resp: 289789

Ion Ratio Lower Upper

330 100

332 96.4 78.0 117.0

141 32.3 23.7 35.5



#45

2-Fluorobiphenyl

Concen: 87.468 ng

RT: 9.281 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF143582.D

Acq: 22 Aug 2025 19:50

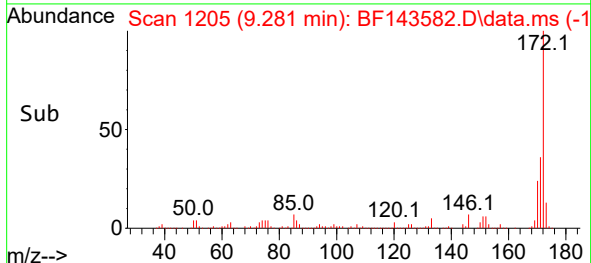
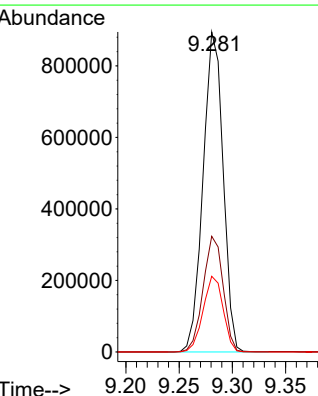
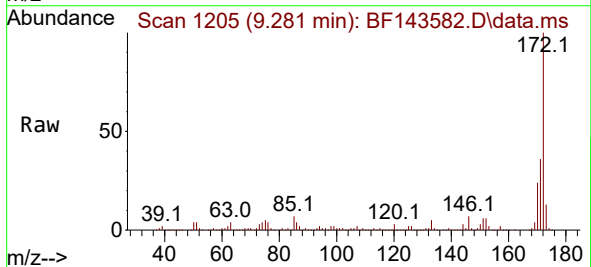
Tgt Ion:172 Resp: 1169319

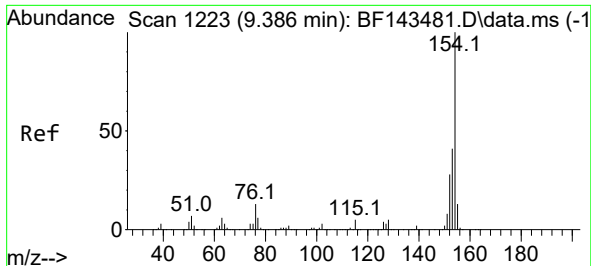
Ion Ratio Lower Upper

172 100

171 36.1 28.8 43.2

170 23.7 18.8 28.2

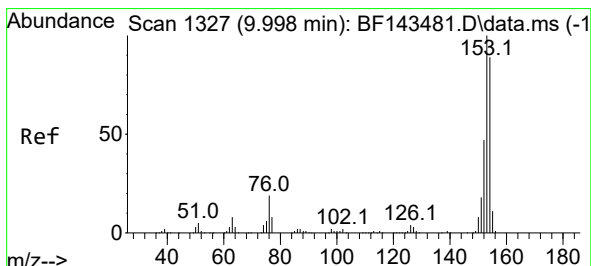
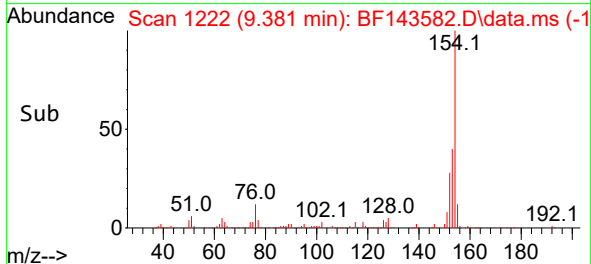
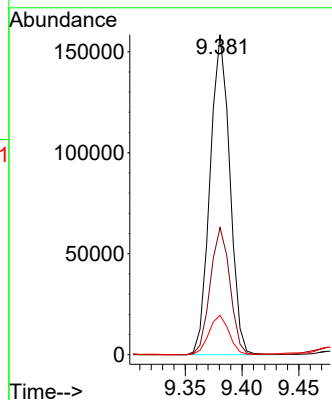
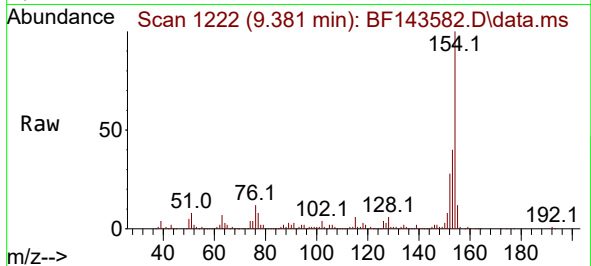




#46
1,1'-Biphenyl
Concen: 12.203 ng
RT: 9.381 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143582.D
Acq: 22 Aug 2025 19:50

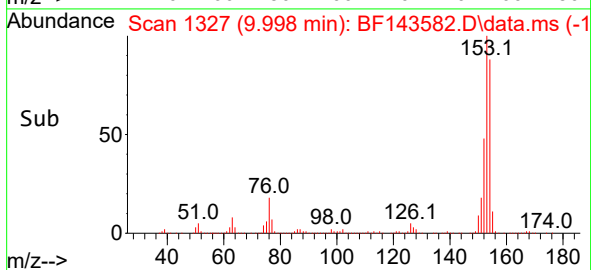
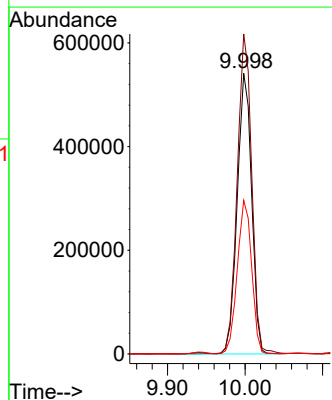
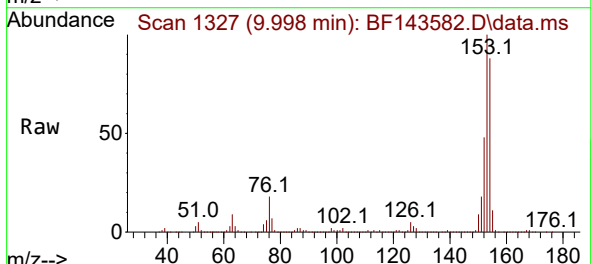
Instrument :
BNA_F
ClientSampleId :
MW-2B-082025

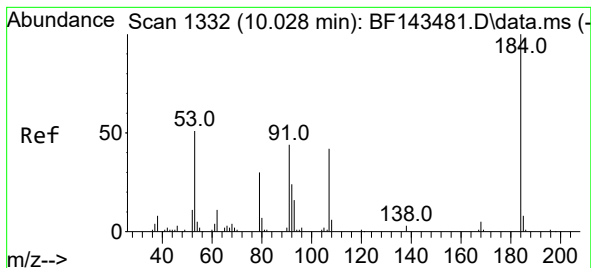
Tgt Ion:154 Resp: 191371
Ion Ratio Lower Upper
154 100
153 39.7 20.6 60.6
76 12.3 0.0 33.0



#52
Acenaphthene
Concen: 58.789 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF143582.D
Acq: 22 Aug 2025 19:50

Tgt Ion:154 Resp: 703227
Ion Ratio Lower Upper
154 100
153 114.0 89.5 134.3
152 54.7 42.5 63.7

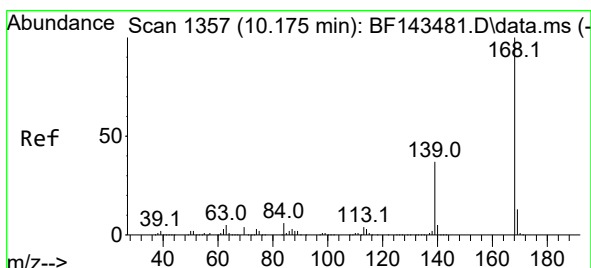
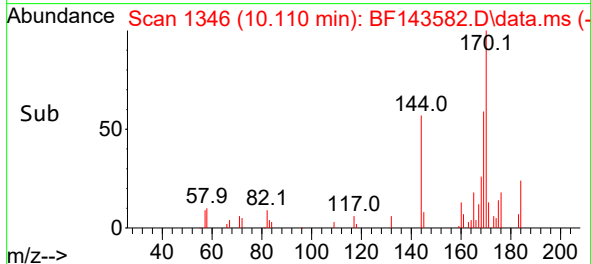
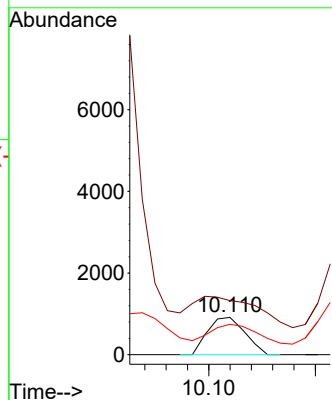
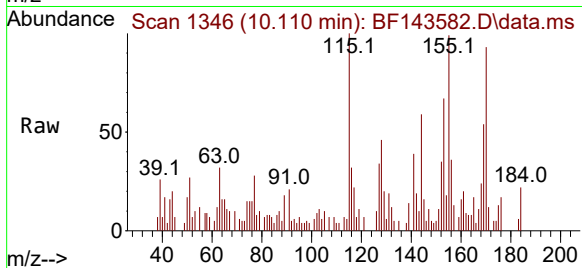




#54
2,4-Dinitrophenol
Concen: 5.999 ng
RT: 10.110 min Scan# 1114
Delta R.T. 0.082 min
Lab File: BF143582.D
Acq: 22 Aug 2025 19:50

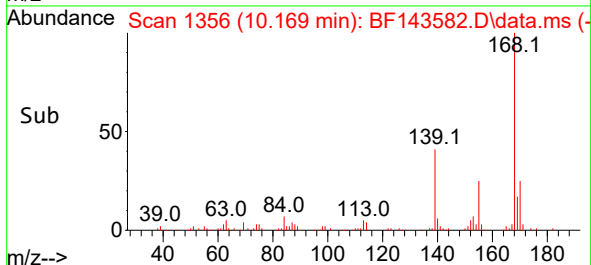
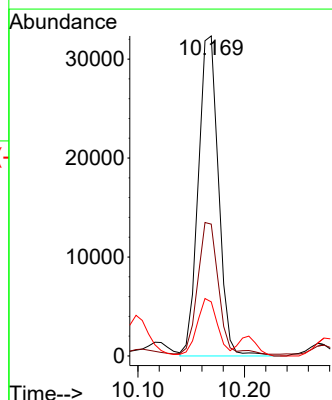
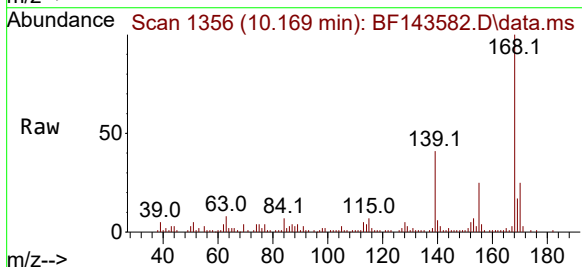
Instrument :
BNA_F
ClientSampleId :
MW-2B-082025

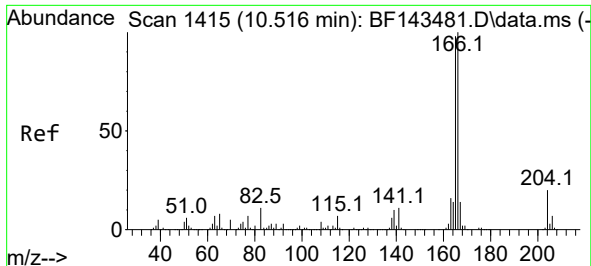
Tgt Ion:184 Resp: 1114
Ion Ratio Lower Upper
184 100
63 144.9 52.6 78.8#
154 81.3 51.0 76.4#



#55
Dibenzofuran
Concen: 2.499 ng
RT: 10.169 min Scan# 1356
Delta R.T. -0.006 min
Lab File: BF143582.D
Acq: 22 Aug 2025 19:50

Tgt Ion:168 Resp: 42620
Ion Ratio Lower Upper
168 100
139 41.2 29.8 44.6
169 16.9 10.8 16.2#

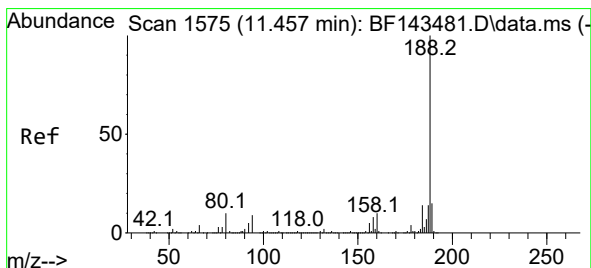
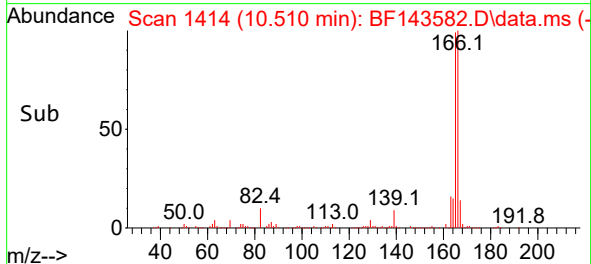
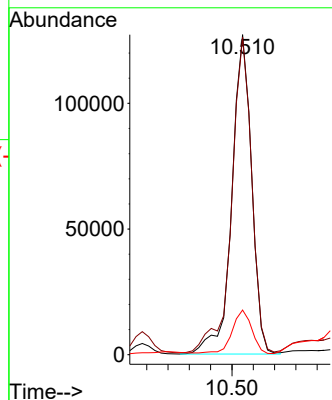
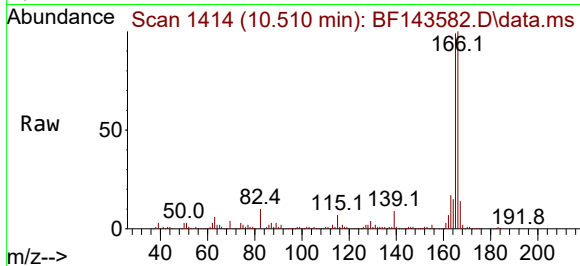




#58
Fluorene
Concen: 12.525 ng
RT: 10.510 min Scan# 1415
Delta R.T. -0.012 min
Lab File: BF143582.D
Acq: 22 Aug 2025 19:50

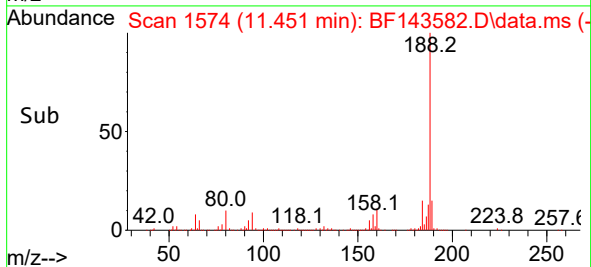
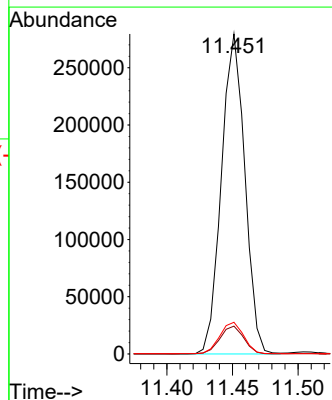
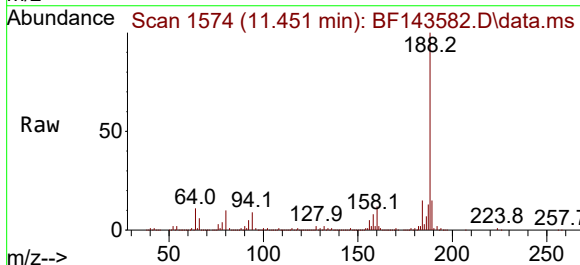
Instrument :
BNA_F
ClientSampleId :
MW-2B-082025

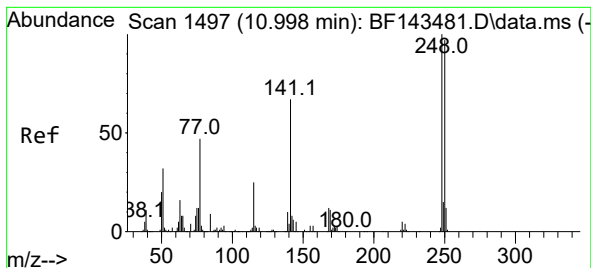
Tgt Ion:166 Resp: 164405
Ion Ratio Lower Upper
166 100
165 99.2 78.3 117.5
167 14.0 11.0 16.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF143582.D
Acq: 22 Aug 2025 19:50

Tgt Ion:188 Resp: 347033
Ion Ratio Lower Upper
188 100
94 8.7 7.4 11.2
80 9.9 8.2 12.4

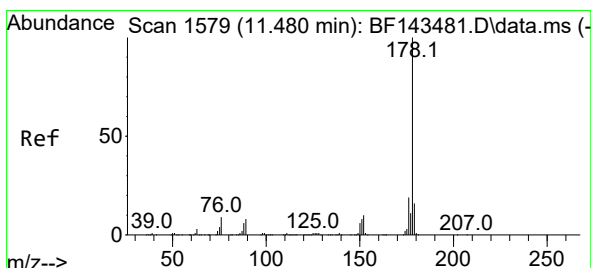
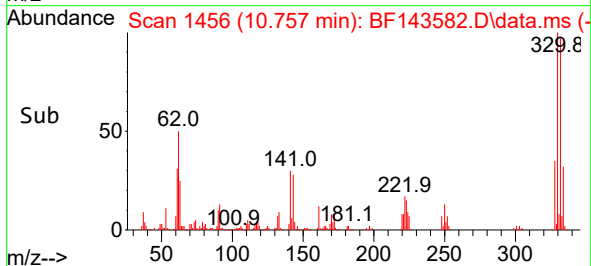
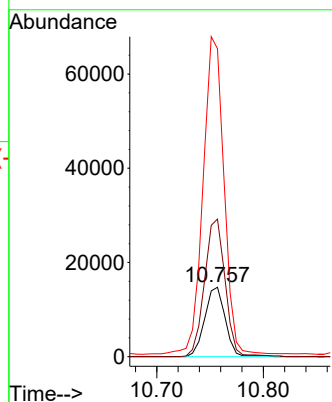
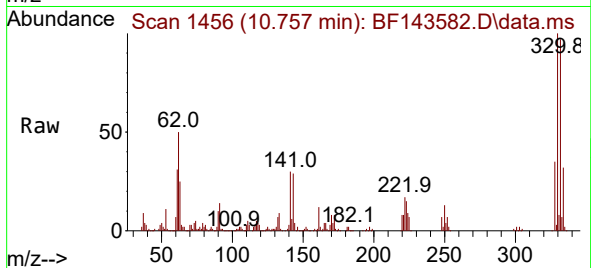




#67
4-Bromophenyl-phenylether
Concen: 4.763 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.241 min
Lab File: BF143582.D
Acq: 22 Aug 2025 19:50

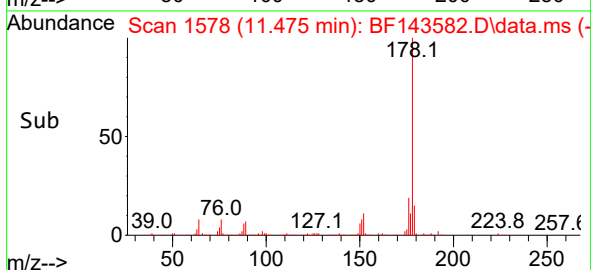
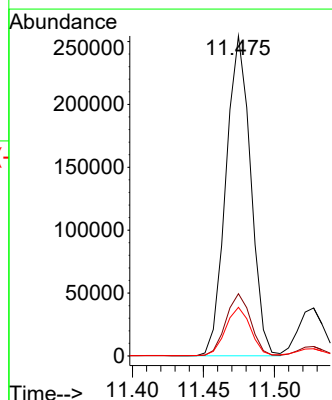
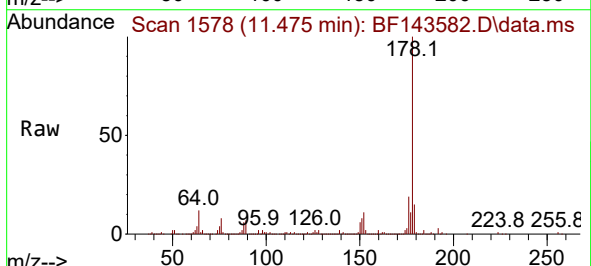
Instrument :
BNA_F
ClientSampleId :
MW-2B-082025

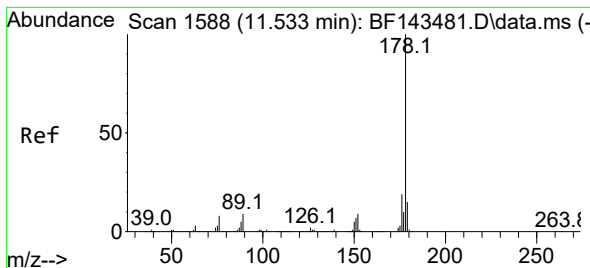
Tgt Ion:248 Resp: 19723
Ion Ratio Lower Upper
248 100
250 198.1 77.8 116.8#
141 443.3 54.0 81.0#



#71
Phenanthrene
Concen: 16.553 ng
RT: 11.475 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BF143582.D
Acq: 22 Aug 2025 19:50

Tgt Ion:178 Resp: 307631
Ion Ratio Lower Upper
178 100
176 19.5 15.5 23.3
179 15.2 12.5 18.7





#72

Anthracene

Concen: 2.527 ng

RT: 11.528 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143582.D

Acq: 22 Aug 2025 19:50

Instrument :

BNA_F

ClientSampleId :

MW-2B-082025

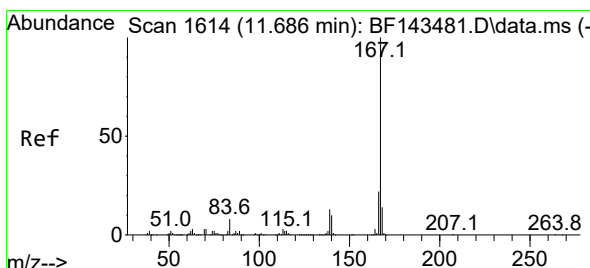
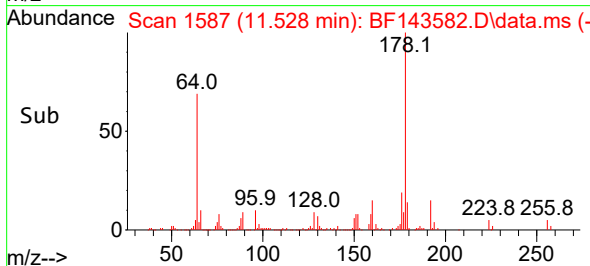
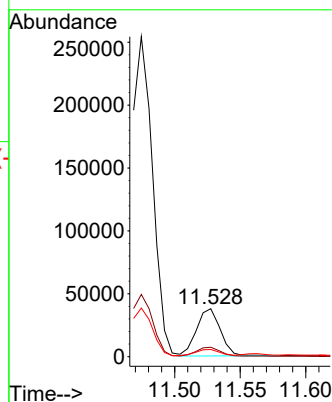
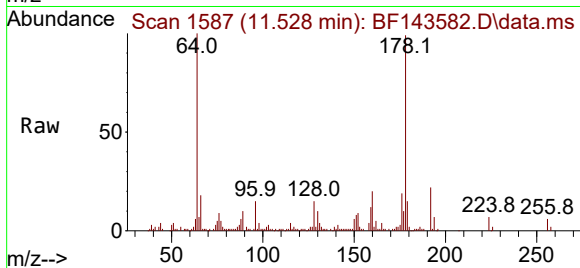
Tgt Ion:178 Resp: 47571

Ion Ratio Lower Upper

178 100

176 19.6 15.0 22.4

179 15.0 12.3 18.5



#73

Carbazole

Concen: 5.576 ng

RT: 11.680 min Scan# 1613

Delta R.T. -0.006 min

Lab File: BF143582.D

Acq: 22 Aug 2025 19:50

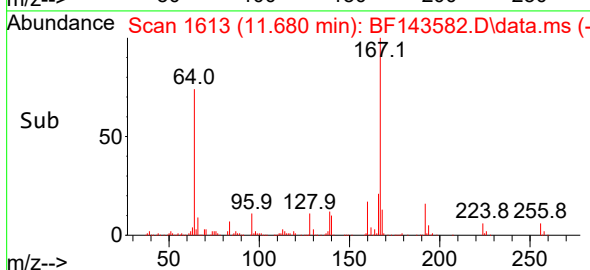
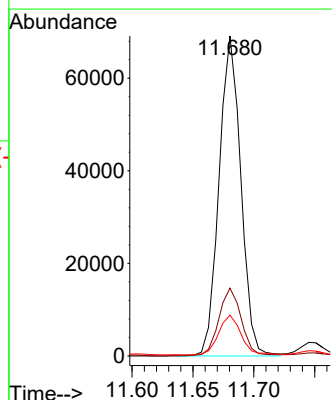
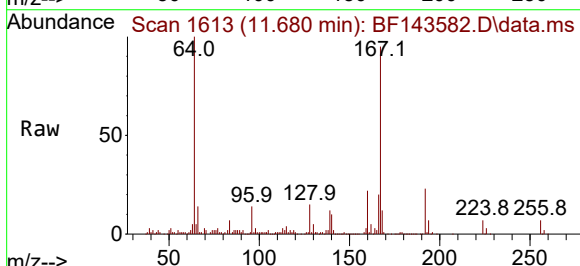
Tgt Ion:167 Resp: 86024

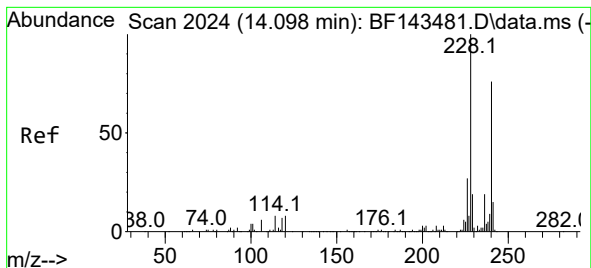
Ion Ratio Lower Upper

167 100

166 21.2 17.3 25.9

139 12.7 10.0 15.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.092 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF143582.D

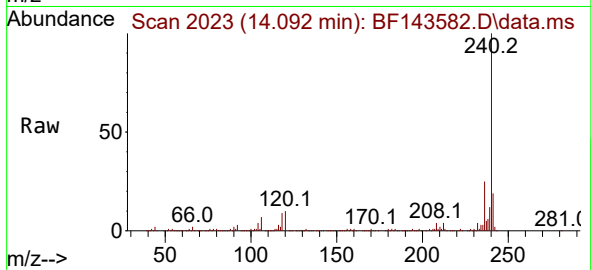
Acq: 22 Aug 2025 19:50

Instrument :

BNA_F

ClientSampleId :

MW-2B-082025



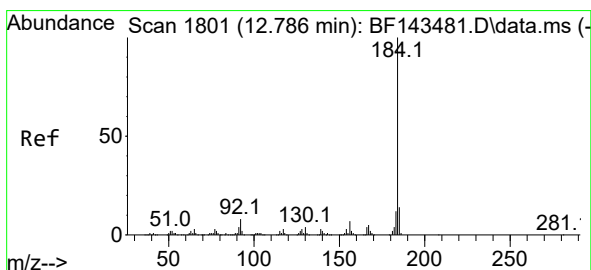
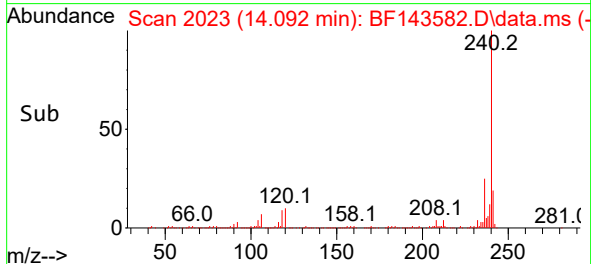
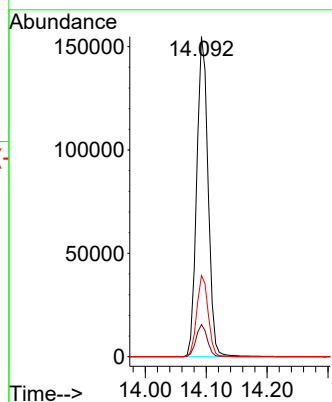
Tgt Ion:240 Resp: 201002

Ion Ratio Lower Upper

240 100

120 10.0 8.6 12.8

236 25.4 20.4 30.6



#77

Benzidine

Concen: 3.216 ng

RT: 13.039 min Scan# 1844

Delta R.T. 0.253 min

Lab File: BF143582.D

Acq: 22 Aug 2025 19:50

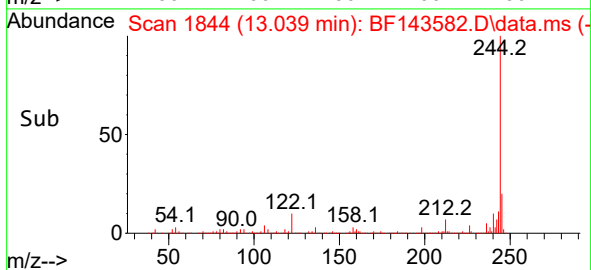
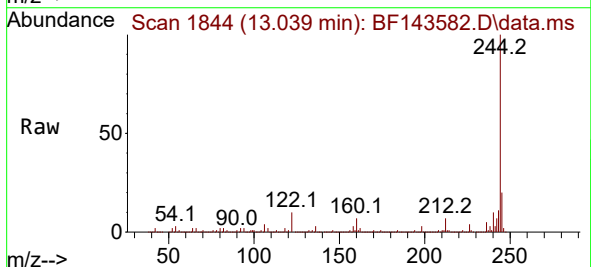
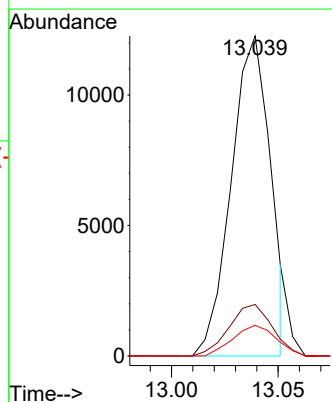
Tgt Ion:184 Resp: 15745

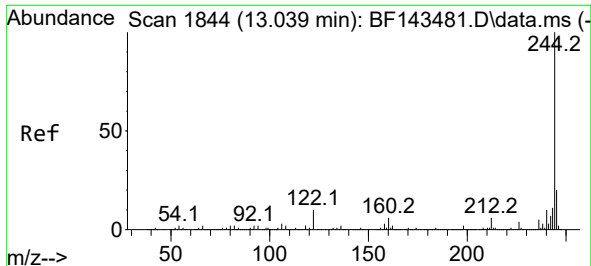
Ion Ratio Lower Upper

184 100

185 16.1 11.3 16.9

183 9.6 9.5 14.3

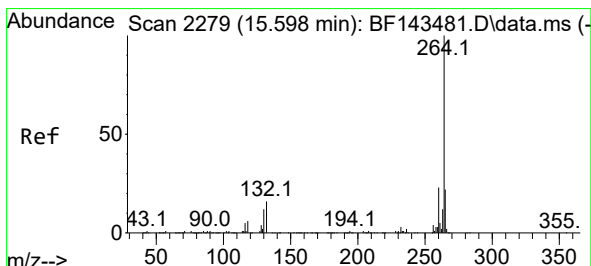
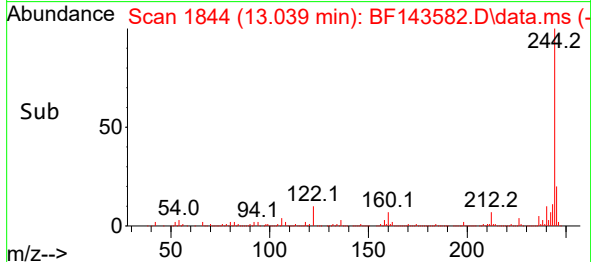
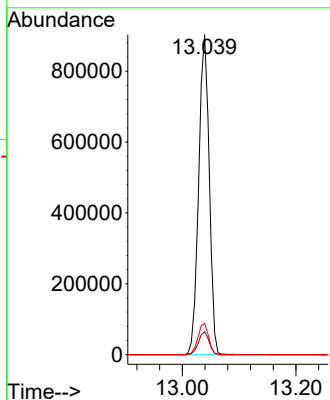
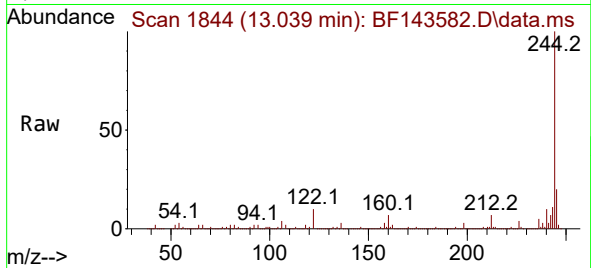




#79
 Terphenyl-d14
 Concen: 101.359 ng
 RT: 13.039 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF143582.D
 Acq: 22 Aug 2025 19:50

Instrument :
 BNA_F
 ClientSampleId :
 MW-2B-082025

Tgt Ion:244 Resp: 1167501
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.2 7.8
 122 9.8 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: BF143582.D
 Acq: 22 Aug 2025 19:50

Tgt Ion:264 Resp: 183367
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.7 28.1
 265 21.7 17.6 26.4

