

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082225\
 Data File : BF143567.D
 Acq On : 22 Aug 2025 12:31
 Operator : RC/JU
 Sample : Q2903-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-1C-081925

Quant Time: Aug 22 12:50:48 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)

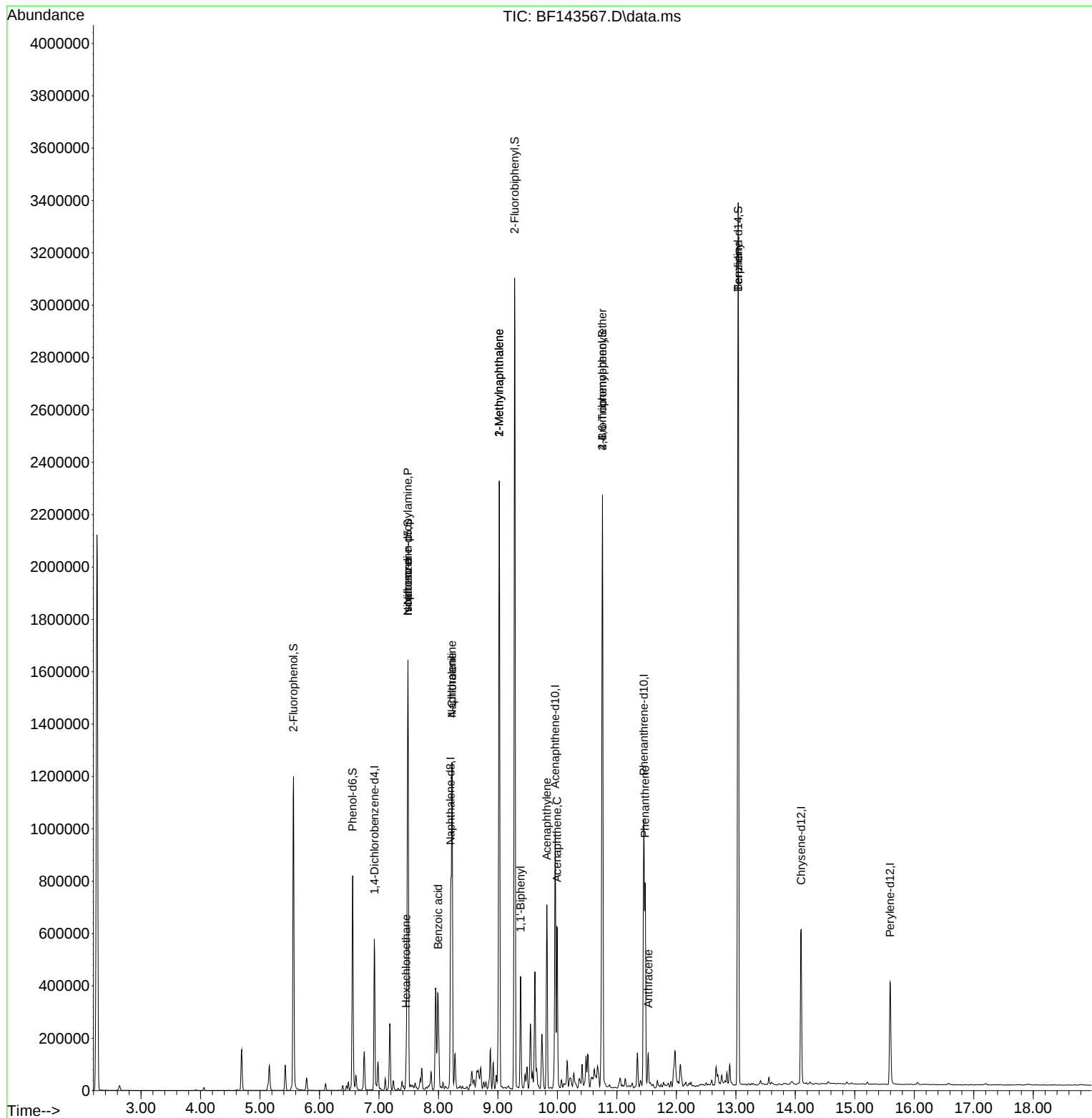
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	120005	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	465163	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	284812	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	508948	20.000	ng	0.00
76) Chrysene-d12	14.098	240	295318	20.000	ng	0.00
86) Perylene-d12	15.592	264	244662	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	428247	62.313	ng	0.00
7) Phenol-d6	6.557	99	353912	41.717	ng	-0.02
23) Nitrobenzene-d5	7.487	82	759783	95.315	ng	-0.01
42) 2,4,6-Tribromophenol	10.757	330	420651	158.665	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	1397297	81.081	ng	0.00
79) Terphenyl-d14	13.039	244	1715245	101.354	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	7.457	117	9288	3.193	ng	# 1
19) n-Nitroso-di-n-propyla...	7.487	70	106291	20.498	ng	# 78
25) Isophorone	7.487	82	736396	50.396	ng	# 65
31) Naphthalene	8.228	128	725356	32.480	ng	99
32) Benzoic acid	7.992	122	254	5.585	ng	# 1
33) 4-Chloroaniline	8.228	127	98223	12.392	ng	# 32
37) 2-Methylnaphthalene	9.022	142	859531	57.626	ng	97
38) 1-Methylnaphthalene	9.022	142	859531	60.244	ng	100
46) 1,1'-Biphenyl	9.381	154	180671	8.937	ng	99
49) Acenaphthylene	9.822	152	327928	14.439	ng	98
52) Acenaphthene	9.992	154	184032	11.935	ng	99
67) 4-Bromophenyl-phenylether	10.757	248	27984	4.608	ng	# 1
71) Phenanthrene	11.475	178	383797	14.082	ng	99
72) Anthracene	11.528	178	75345	2.729	ng	99
77) Benzidine	13.039	184	21450	2.982	ng	94

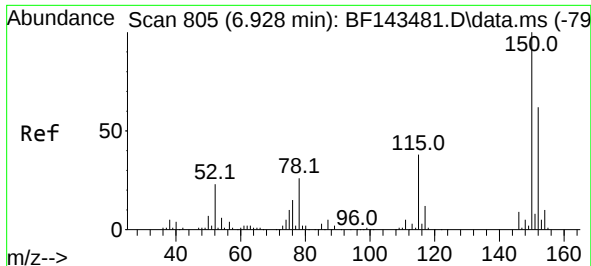
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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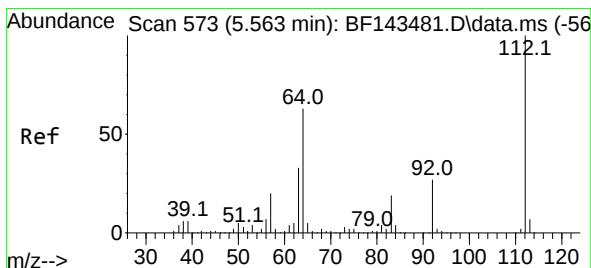
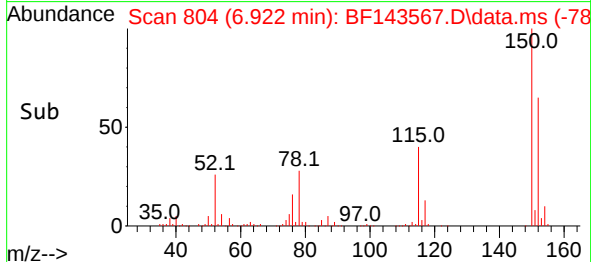
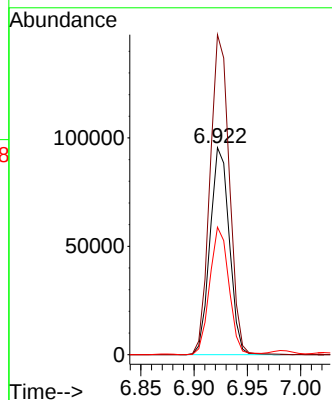
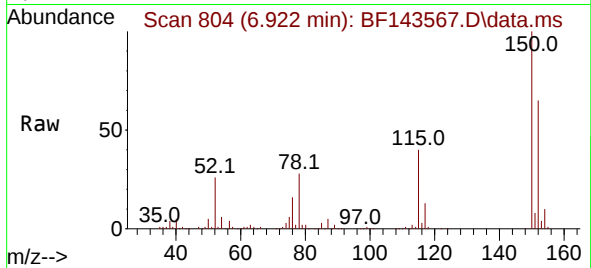




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF143567.D
Acq: 22 Aug 2025 12:31

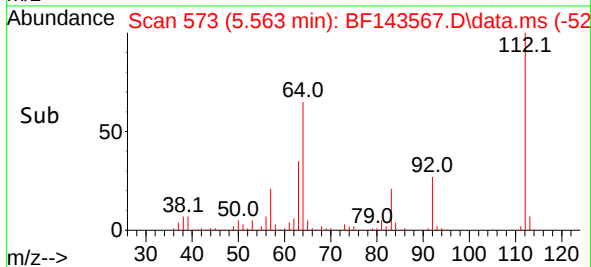
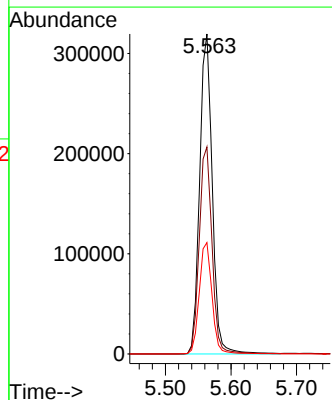
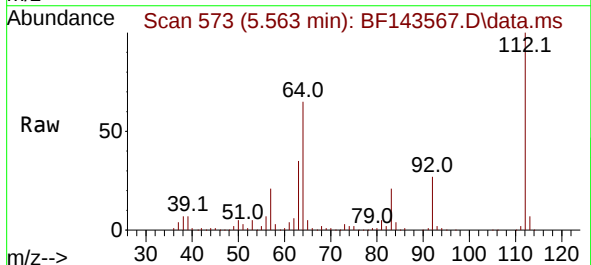
Instrument :
BNA_F
ClientSampleId :
MW-1C-081925

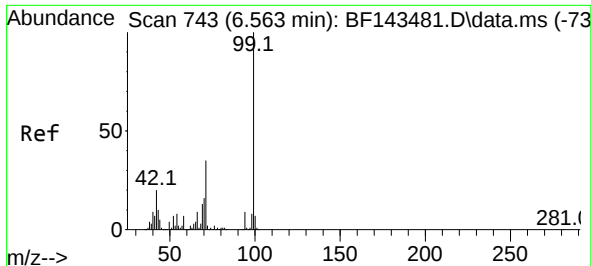
Tgt Ion:152 Resp: 120005
Ion Ratio Lower Upper
152 100
150 154.5 128.9 193.3
115 61.6 49.2 73.8



#5
2-Fluorophenol
Concen: 62.313 ng
RT: 5.563 min Scan# 573
Delta R.T. 0.000 min
Lab File: BF143567.D
Acq: 22 Aug 2025 12:31

Tgt Ion:112 Resp: 428247
Ion Ratio Lower Upper
112 100
64 64.7 50.4 75.6
63 34.8 26.4 39.6

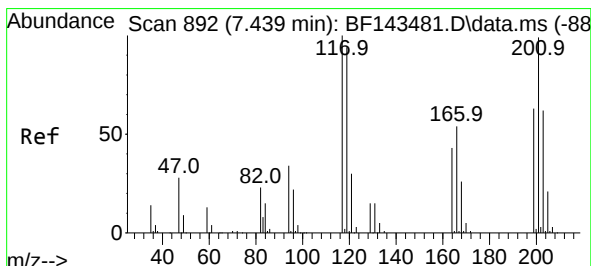
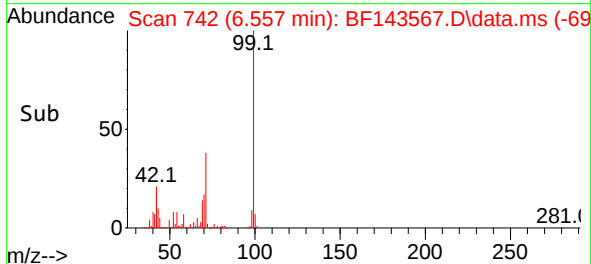
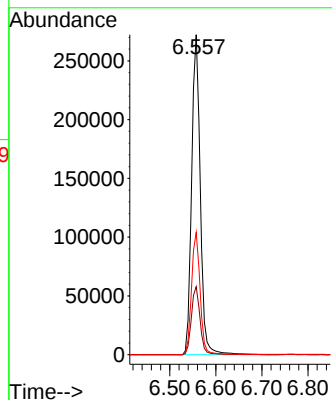
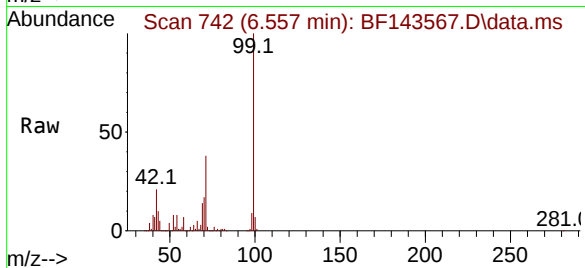




#7
Phenol-d6
Concen: 41.717 ng
RT: 6.557 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF143567.D
Acq: 22 Aug 2025 12:31

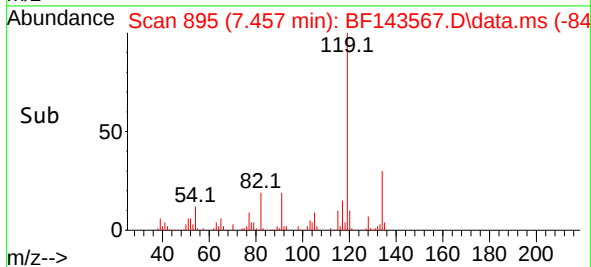
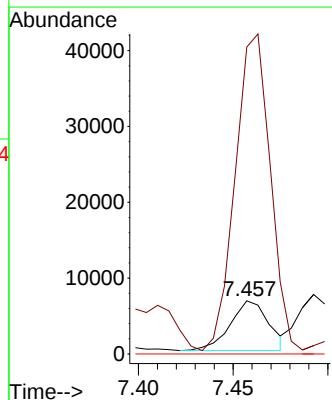
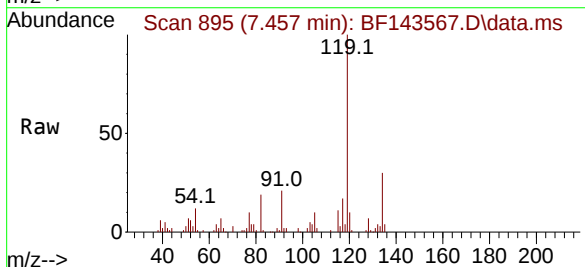
Instrument :
BNA_F
ClientSampleId :
MW-1C-081925

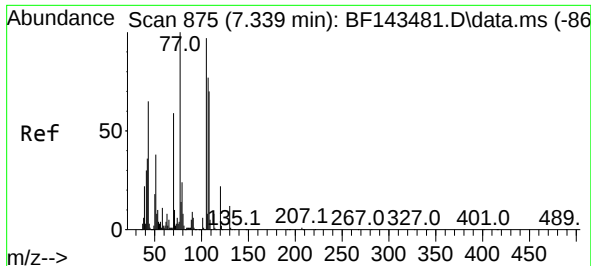
Tgt Ion: 99 Resp: 353912
Ion Ratio Lower Upper
99 100
42 21.3 16.3 24.5
71 38.2 28.2 42.2



#18
Hexachloroethane
Concen: 3.193 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.012 min
Lab File: BF143567.D
Acq: 22 Aug 2025 12:31

Tgt Ion: 117 Resp: 9288
Ion Ratio Lower Upper
117 100
119 577.7 75.4 113.0#
201 0.0 79.0 118.4#



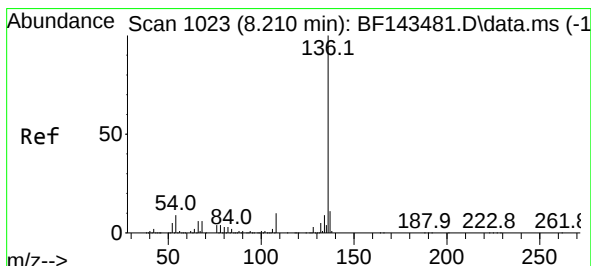
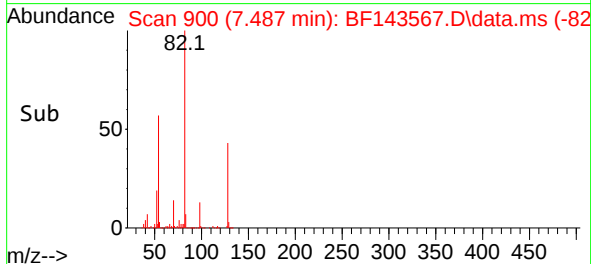
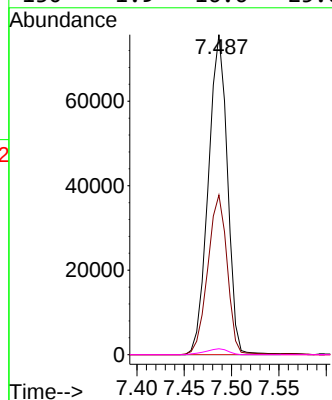
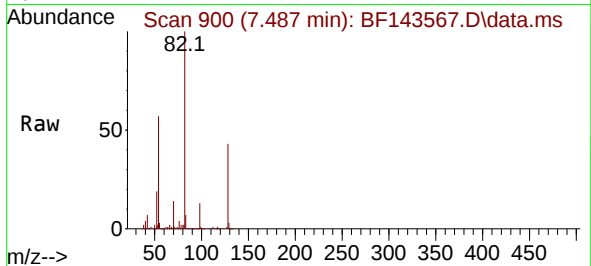


#19
n-Nitroso-di-n-propylamine
Concen: 20.498 ng
RT: 7.487 min Scan# 90
Delta R.T. 0.135 min
Lab File: BF143567.D
Acq: 22 Aug 2025 12:31

Instrument :
BNA_F
ClientSampleId :
MW-1C-081925

Tgt Ion: 70 Resp: 106291

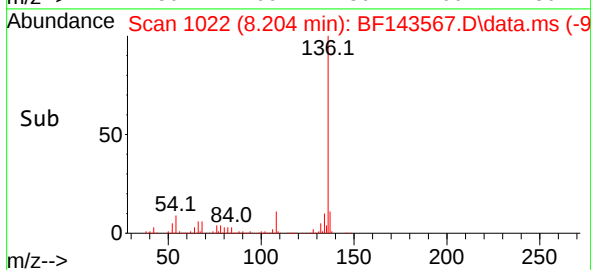
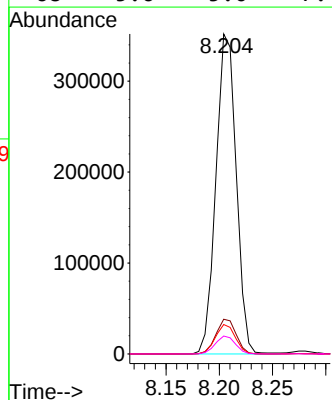
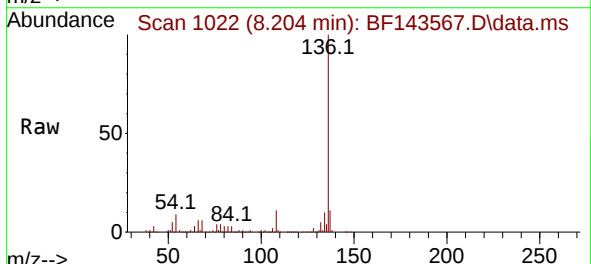
Ion	Ratio	Lower	Upper
70	100		
42	49.9	49.3	73.9
101	0.0	7.8	11.8#
130	1.9	16.6	25.0#

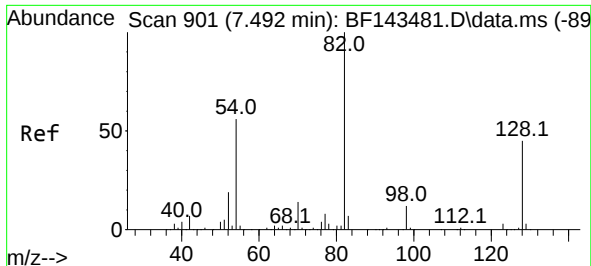


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF143567.D
Acq: 22 Aug 2025 12:31

Tgt Ion: 136 Resp: 465163

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	9.2	7.4	11.2
68	5.6	5.0	7.4

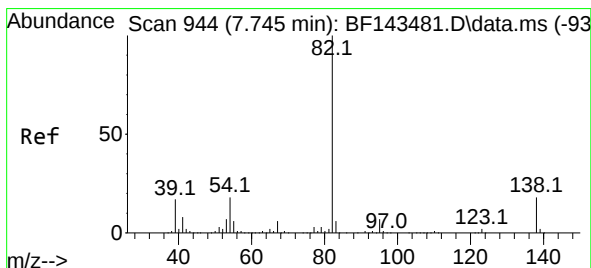
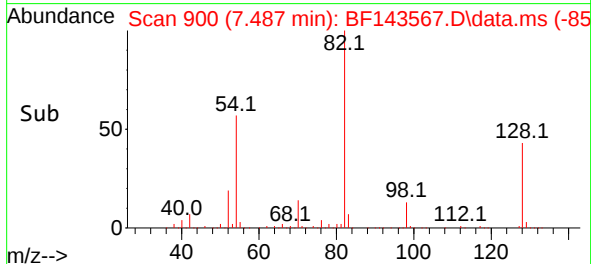
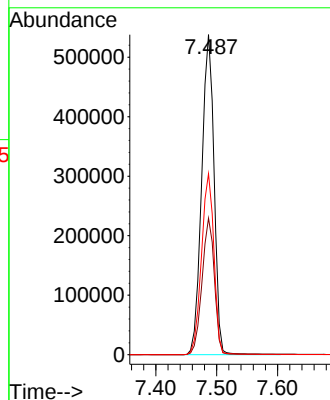
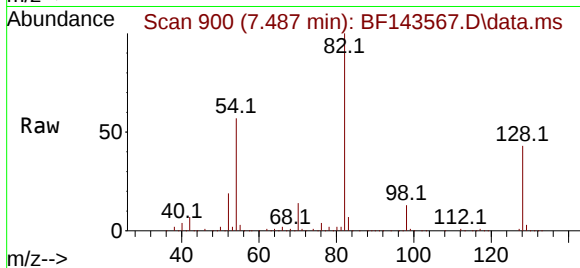




#23
Nitrobenzene-d5
Concen: 95.315 ng
RT: 7.487 min Scan# 900
Delta R.T. -0.012 min
Lab File: BF143567.D
Acq: 22 Aug 2025 12:31

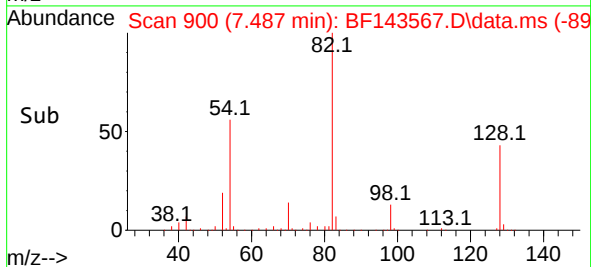
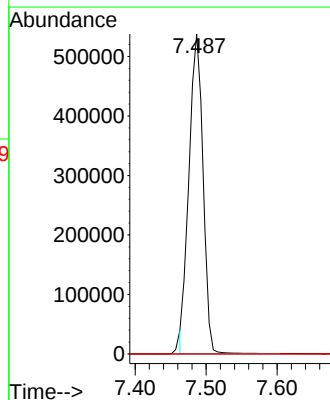
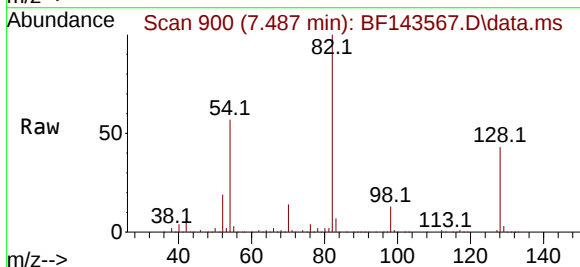
Instrument :
BNA_F
ClientSampleId :
MW-1C-081925

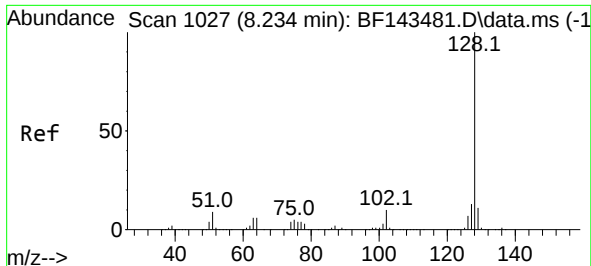
Tgt Ion: 82 Resp: 759783
Ion Ratio Lower Upper
82 100
128 42.7 35.5 53.3
54 56.5 44.3 66.5



#25
Isophorone
Concen: 50.396 ng
RT: 7.487 min Scan# 900
Delta R.T. -0.271 min
Lab File: BF143567.D
Acq: 22 Aug 2025 12:31

Tgt Ion: 82 Resp: 736396
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 14.2 21.4#

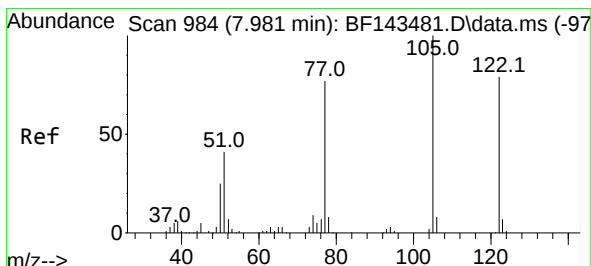
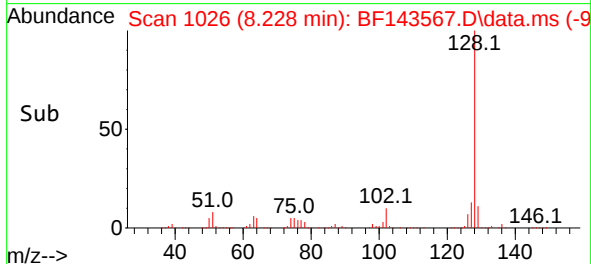
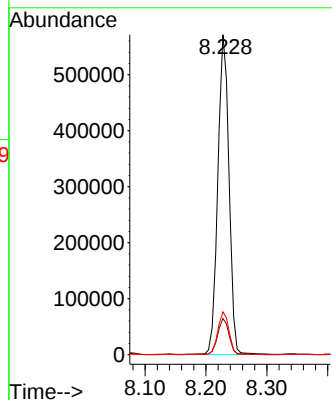
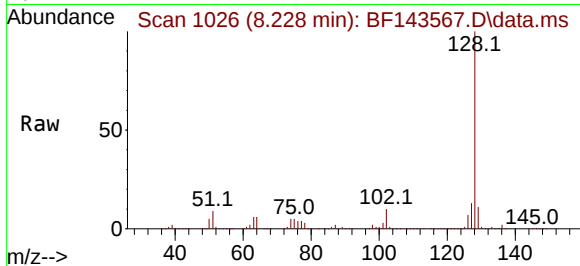




#31
Naphthalene
Concen: 32.480 ng
RT: 8.228 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF143567.D
Acq: 22 Aug 2025 12:31

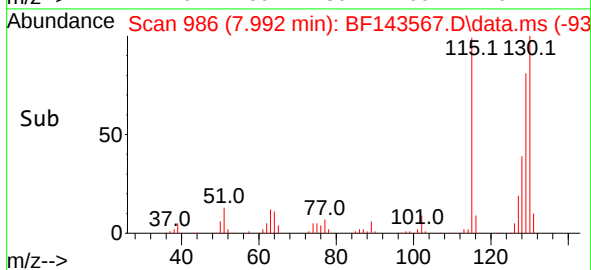
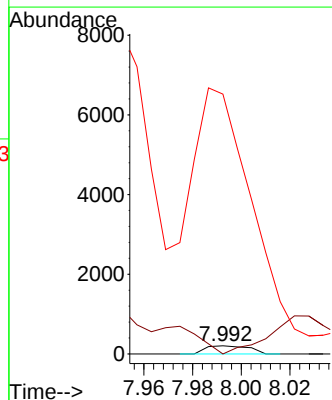
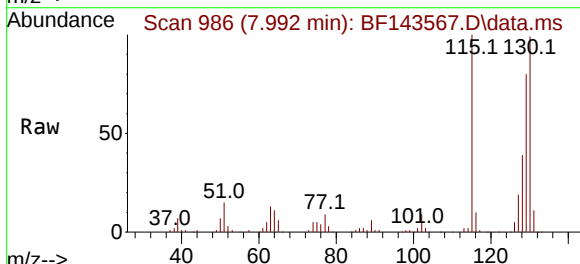
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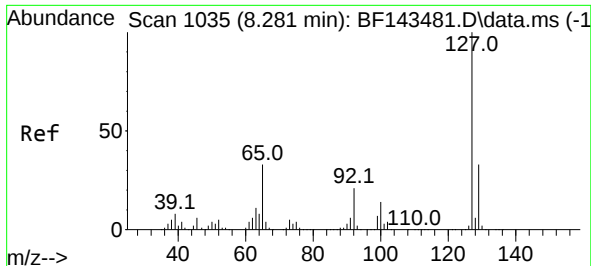
Tgt Ion:128 Resp: 725356
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 13.4 10.6 16.0



#32
Benzoic acid
Concen: 5.585 ng
RT: 7.992 min Scan# 986
Delta R.T. -0.018 min
Lab File: BF143567.D
Acq: 22 Aug 2025 12:31

Tgt Ion:122 Resp: 254
Ion Ratio Lower Upper
122 100
105 0.0 104.7 144.7#
77 3211.3 77.3 117.3#

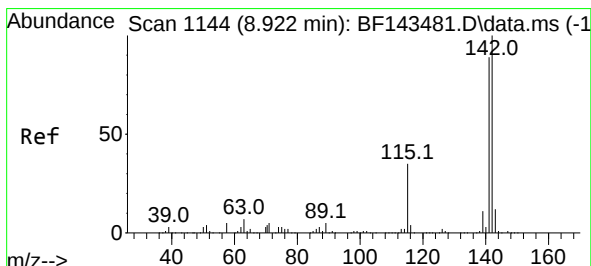
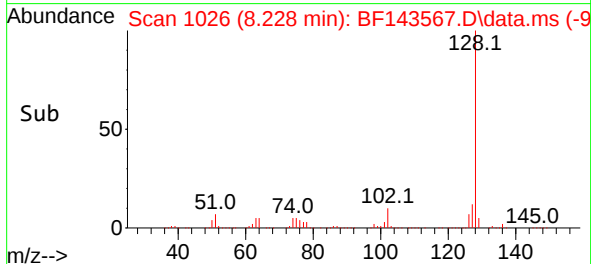
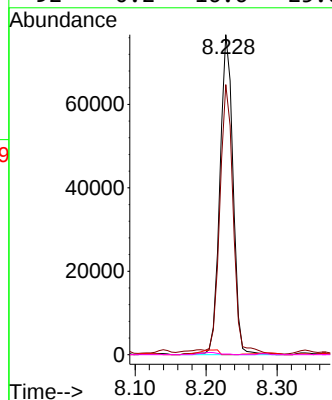
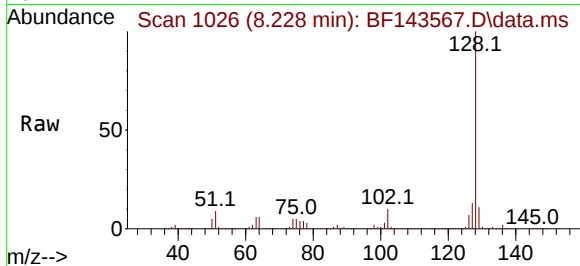




#33
4-Chloroaniline
Concen: 12.392 ng
RT: 8.228 min Scan# 1106
Delta R.T. -0.053 min
Lab File: BF143567.D
Acq: 22 Aug 2025 12:31

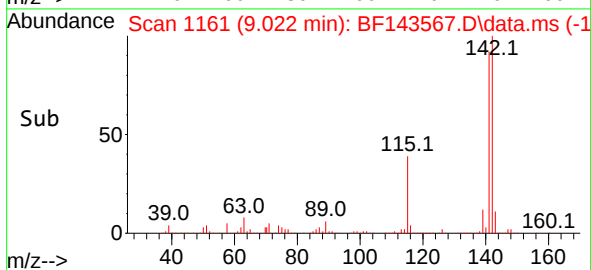
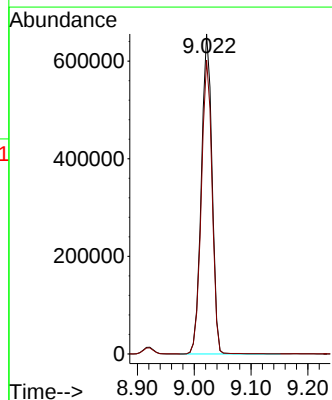
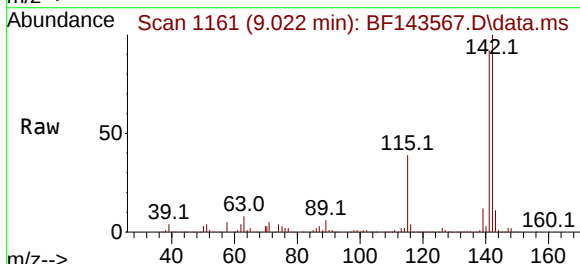
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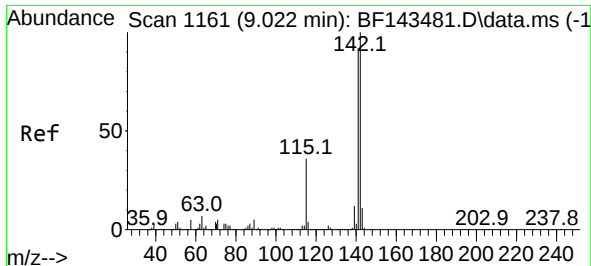
Tgt Ion:	127	Resp:	98223
Ion	Ratio	Lower	Upper
127	100		
129	84.4	26.1	39.1#
65	0.0	26.2	39.2#
92	0.2	16.6	25.0#



#37
2-Methylnaphthalene
Concen: 57.626 ng
RT: 9.022 min Scan# 1161
Delta R.T. 0.094 min
Lab File: BF143567.D
Acq: 22 Aug 2025 12:31

Tgt Ion:	142	Resp:	859531
Ion	Ratio	Lower	Upper
142	100		
141	91.8	71.0	106.4

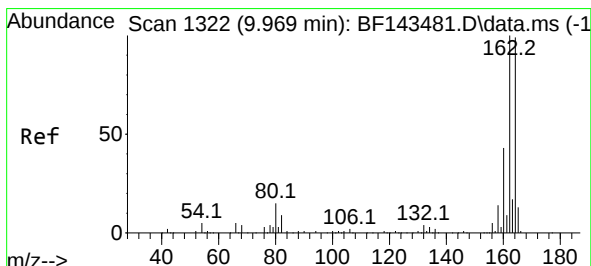
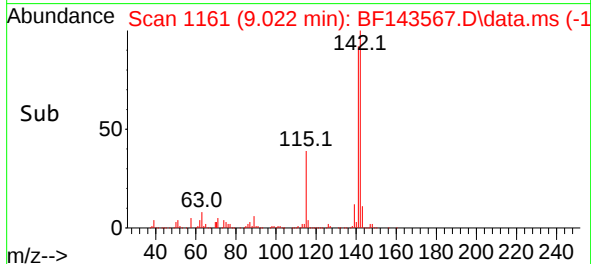
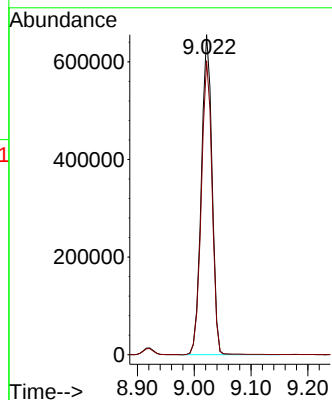
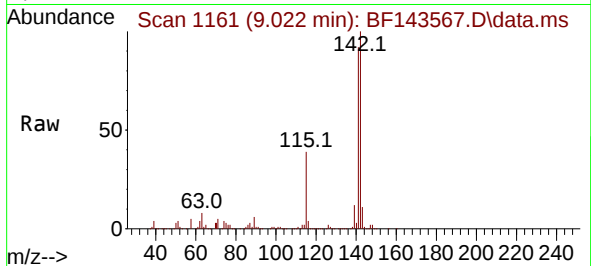




#38
1-Methylnaphthalene
Concen: 60.244 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BF143567.D
Acq: 22 Aug 2025 12:31

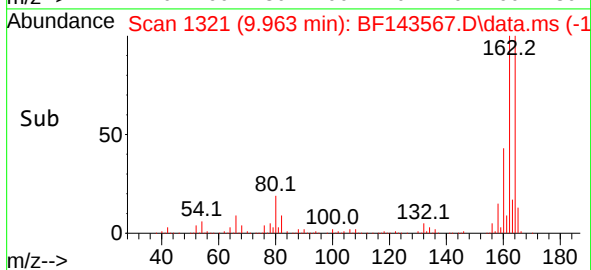
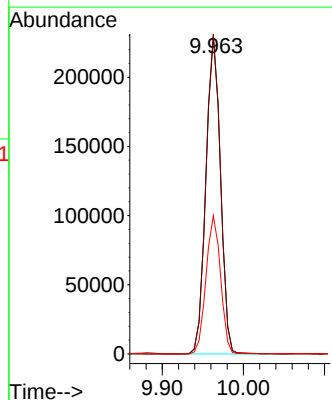
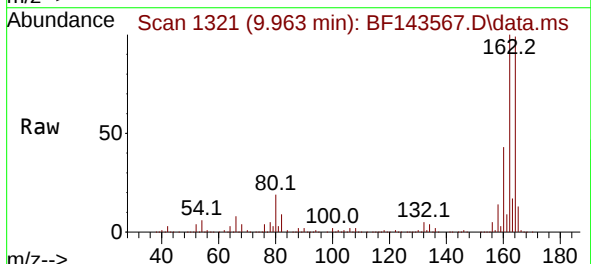
Instrument :
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MW-1C-081925

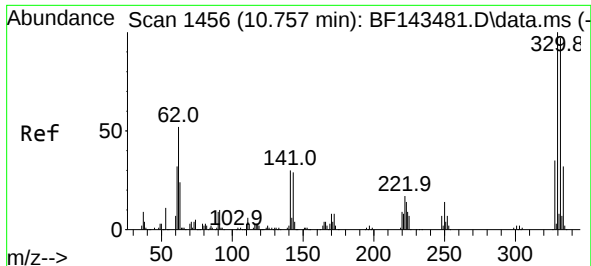
Tgt Ion:142 Resp: 859531
Ion Ratio Lower Upper
142 100
141 91.8 73.3 109.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF143567.D
Acq: 22 Aug 2025 12:31

Tgt Ion:164 Resp: 284812
Ion Ratio Lower Upper
164 100
162 100.8 80.5 120.7
160 43.6 34.3 51.5





#42

2,4,6-Tribromophenol

Concen: 158.665 ng

RT: 10.757 min Scan# 1456

Delta R.T. -0.006 min

Lab File: BF143567.D

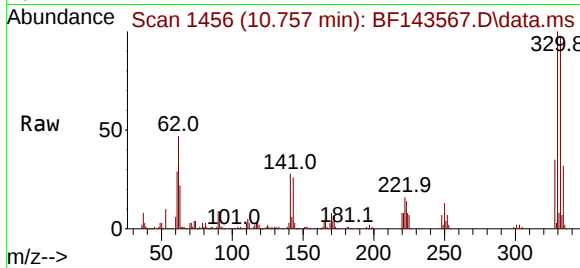
Acq: 22 Aug 2025 12:31

Instrument :

BNA_F

ClientSampleId :

MW-1C-081925



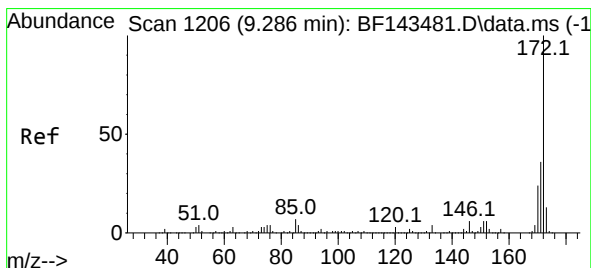
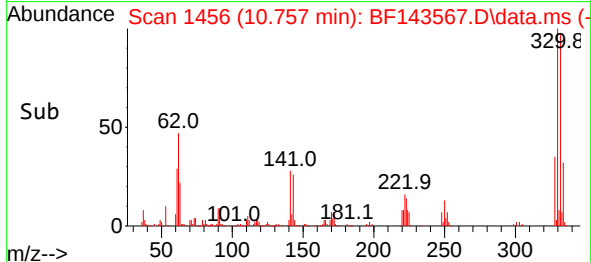
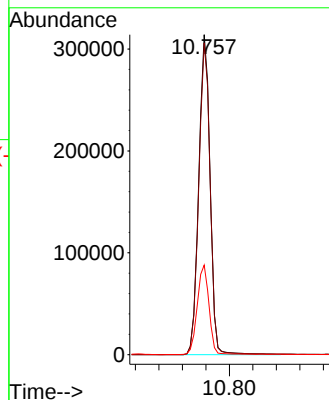
Tgt Ion:330 Resp: 420651

Ion Ratio Lower Upper

330 100

332 97.9 78.0 117.0

141 29.2 23.7 35.5



#45

2-Fluorobiphenyl

Concen: 81.081 ng

RT: 9.281 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF143567.D

Acq: 22 Aug 2025 12:31

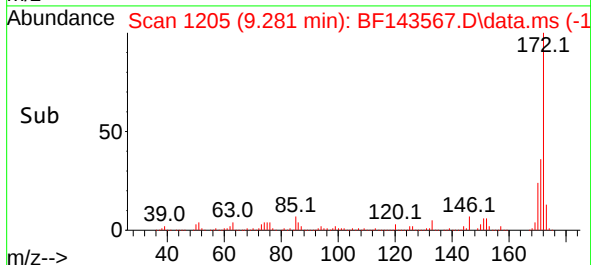
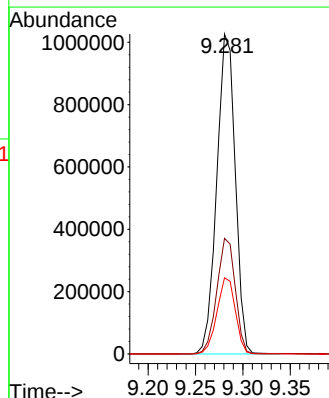
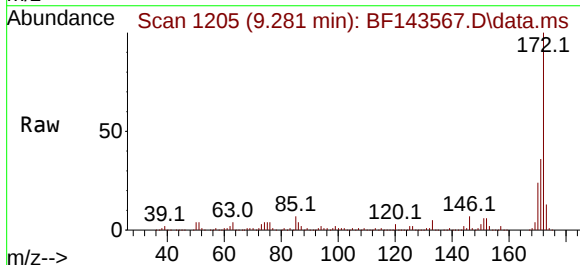
Tgt Ion:172 Resp: 1397297

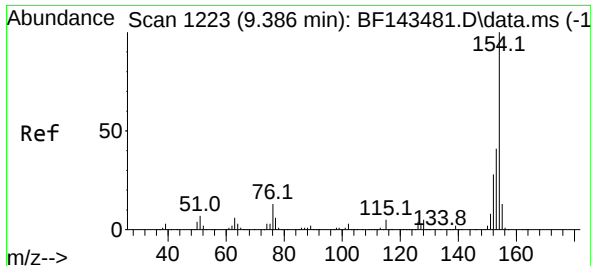
Ion Ratio Lower Upper

172 100

171 36.1 28.8 43.2

170 23.8 18.8 28.2

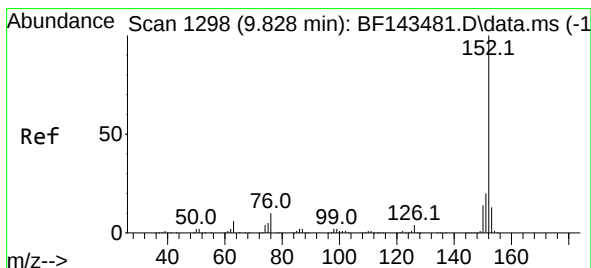
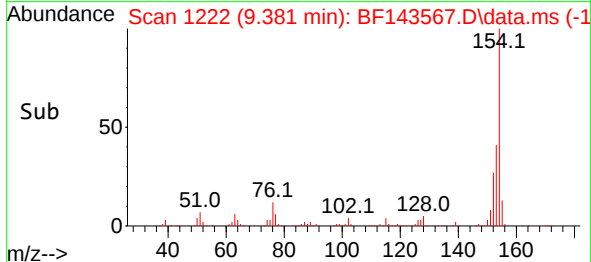
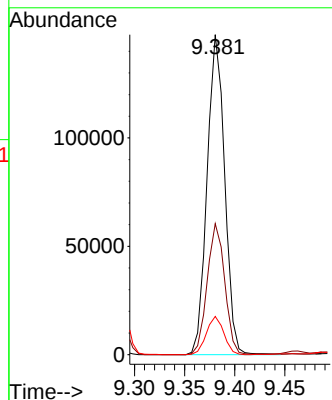
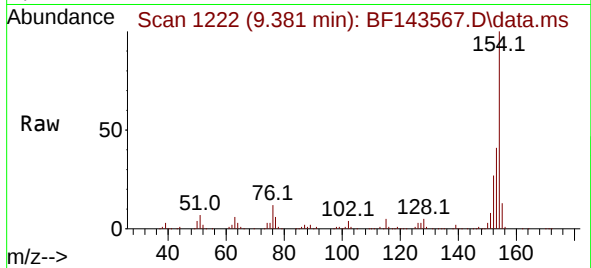




#46
1,1'-Biphenyl
Concen: 8.937 ng
RT: 9.381 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143567.D
Acq: 22 Aug 2025 12:31

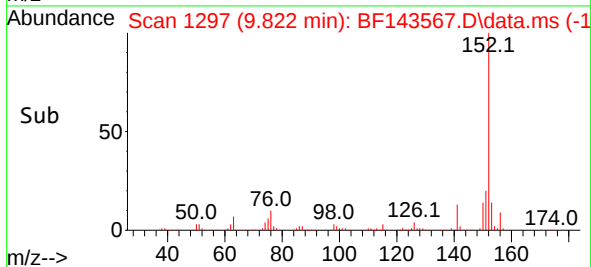
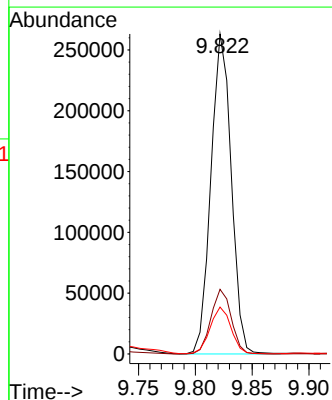
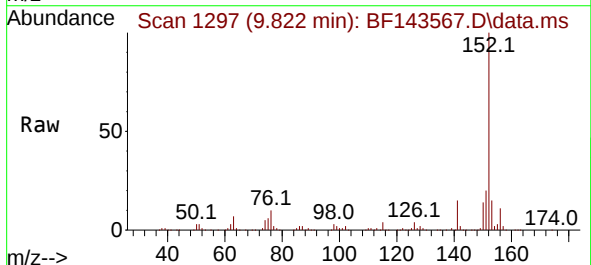
Instrument :
BNA_F
ClientSampleId :
MW-1C-081925

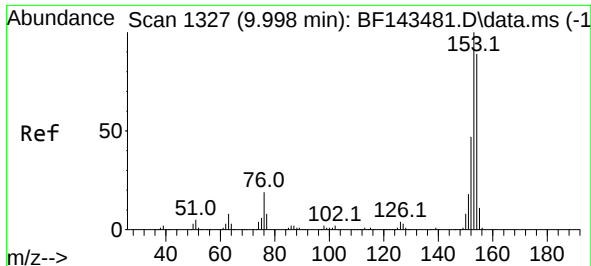
Tgt Ion:154 Resp: 180671
Ion Ratio Lower Upper
154 100
153 41.0 20.6 60.6
76 12.0 0.0 33.0



#49
Acenaphthylene
Concen: 14.439 ng
RT: 9.822 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BF143567.D
Acq: 22 Aug 2025 12:31

Tgt Ion:152 Resp: 327928
Ion Ratio Lower Upper
152 100
151 20.2 16.2 24.4
153 14.6 10.6 15.8

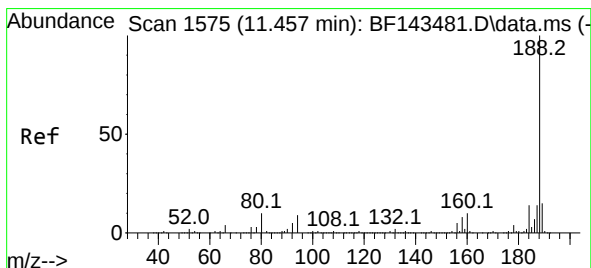
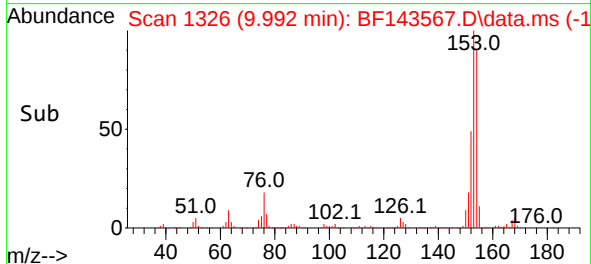
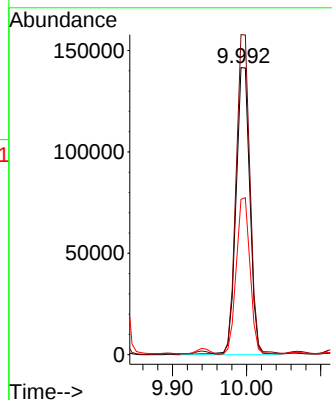
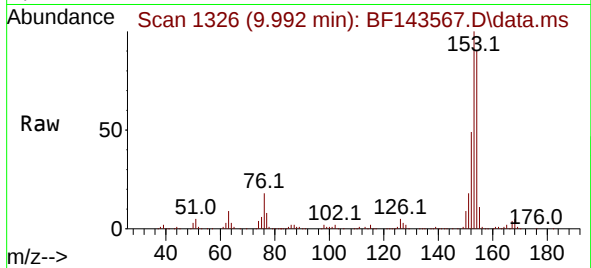




#52
Acenaphthene
Concen: 11.935 ng
RT: 9.992 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143567.D
Acq: 22 Aug 2025 12:31

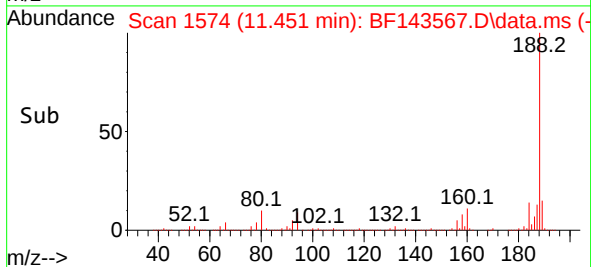
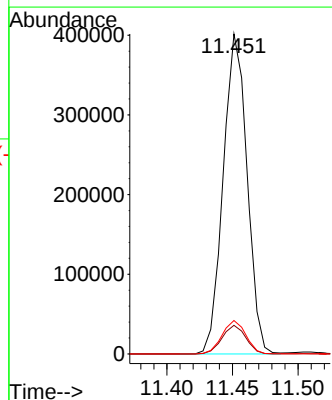
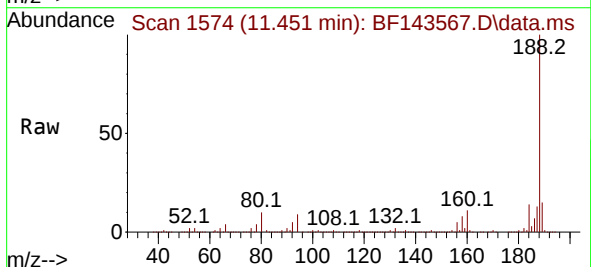
Instrument :
BNA_F
ClientSampleId :
MW-1C-081925

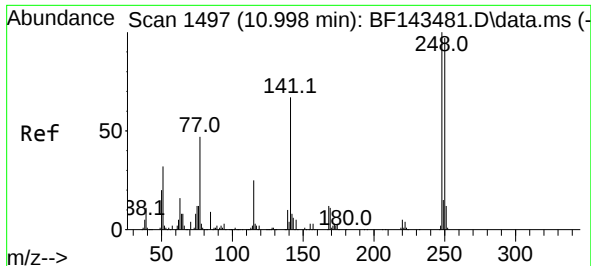
Tgt Ion:154 Resp: 184032
Ion Ratio Lower Upper
154 100
153 111.5 89.5 134.3
152 54.2 42.5 63.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF143567.D
Acq: 22 Aug 2025 12:31

Tgt Ion:188 Resp: 508948
Ion Ratio Lower Upper
188 100
94 9.0 7.4 11.2
80 10.4 8.2 12.4

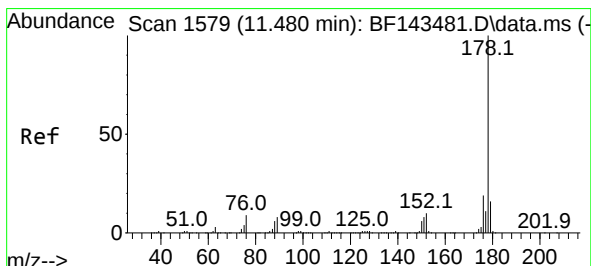
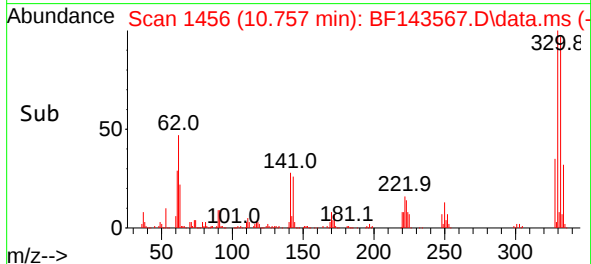
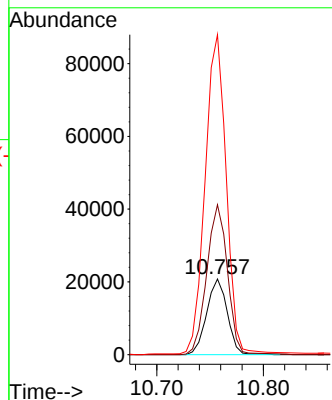
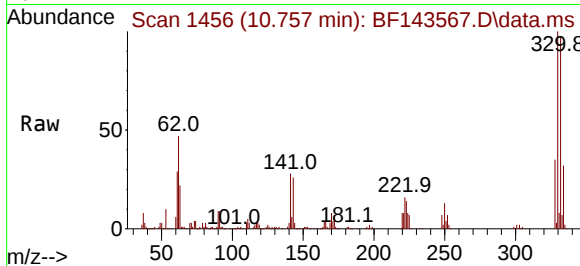




#67
4-Bromophenyl-phenylether
Concen: 4.608 ng
RT: 10.757 min Scan# 1497
Delta R.T. -0.241 min
Lab File: BF143567.D
Acq: 22 Aug 2025 12:31

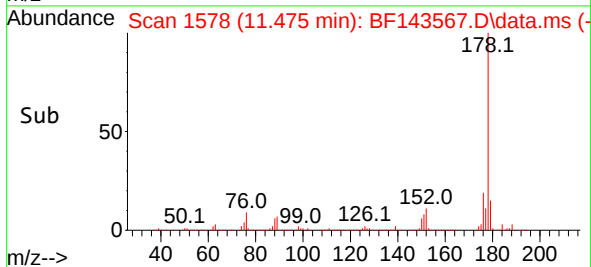
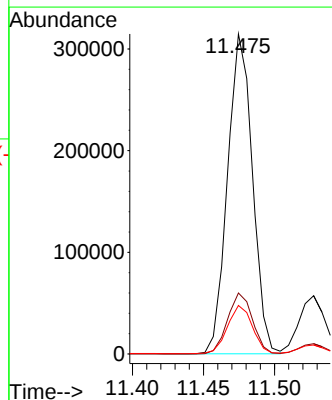
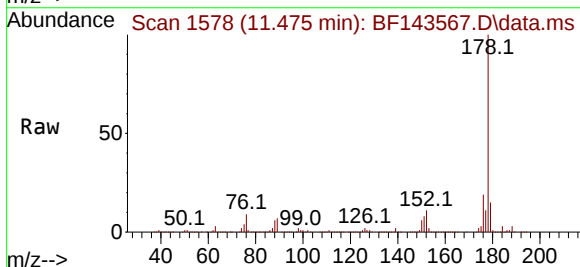
Instrument :
BNA_F
ClientSampleId :
MW-1C-081925

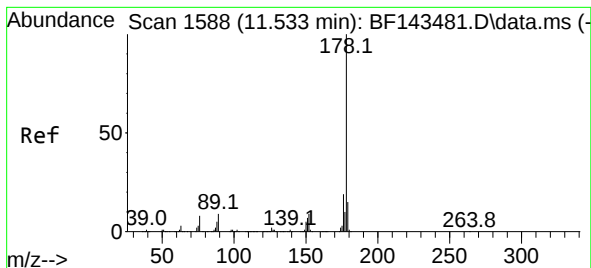
Tgt Ion:248 Resp: 27984
Ion Ratio Lower Upper
248 100
250 197.8 77.8 116.8#
141 422.4 54.0 81.0#



#71
Phenanthrene
Concen: 14.082 ng
RT: 11.475 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BF143567.D
Acq: 22 Aug 2025 12:31

Tgt Ion:178 Resp: 383797
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 15.1 12.5 18.7





#72

Anthracene

Concen: 2.729 ng

RT: 11.528 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143567.D

Acq: 22 Aug 2025 12:31

Instrument :

BNA_F

ClientSampleId :

MW-1C-081925

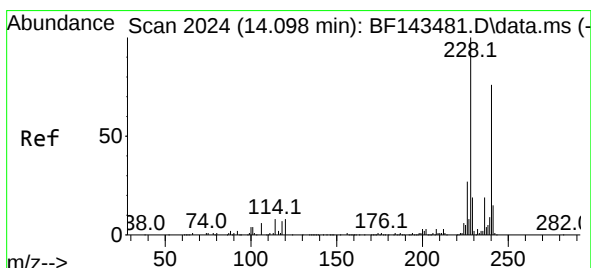
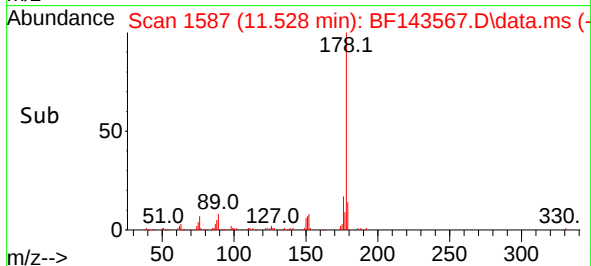
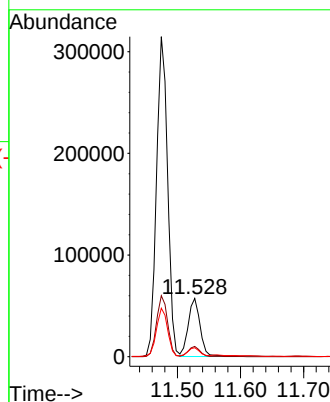
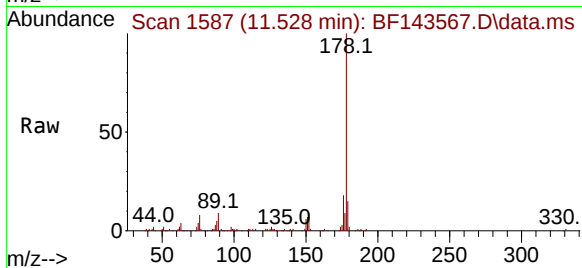
Tgt Ion:178 Resp: 75345

Ion Ratio Lower Upper

178 100

176 17.5 15.0 22.4

179 15.4 12.3 18.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.098 min Scan# 2024

Delta R.T. -0.006 min

Lab File: BF143567.D

Acq: 22 Aug 2025 12:31

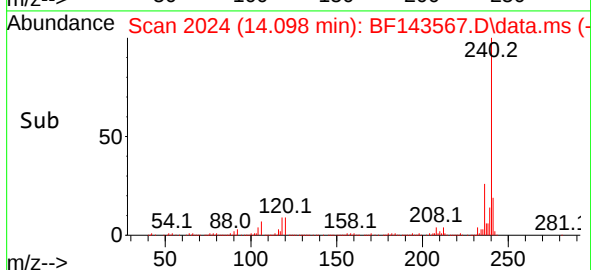
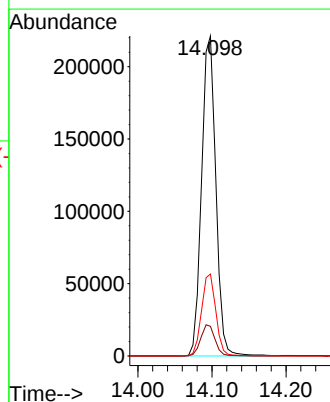
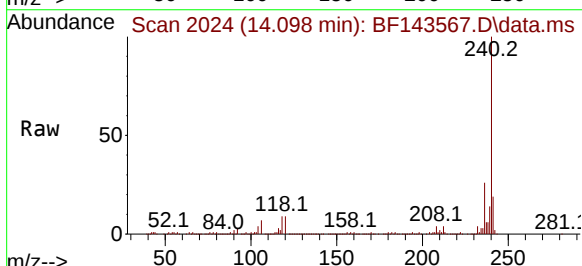
Tgt Ion:240 Resp: 295318

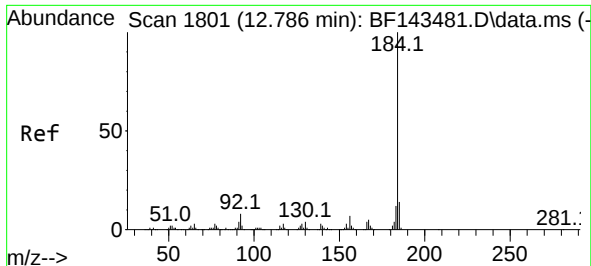
Ion Ratio Lower Upper

240 100

120 9.3 8.6 12.8

236 25.6 20.4 30.6

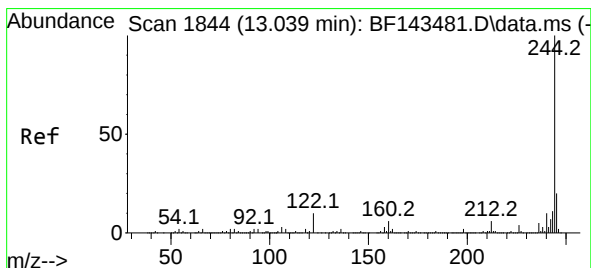
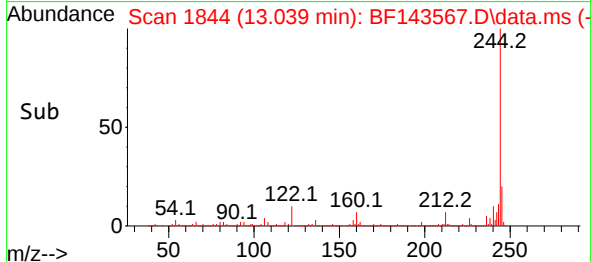
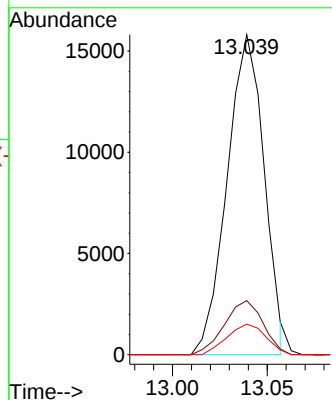
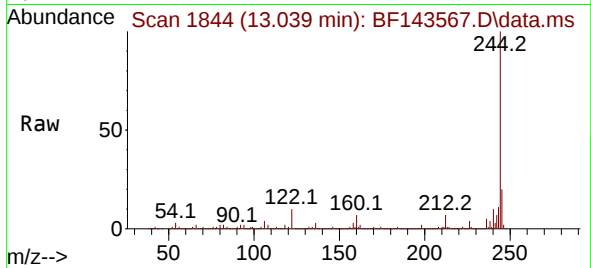




#77
Benzidine
Concen: 2.982 ng
RT: 13.039 min Scan# 1844
Delta R.T. 0.253 min
Lab File: BF143567.D
Acq: 22 Aug 2025 12:31

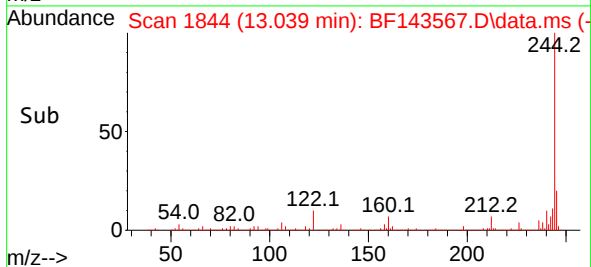
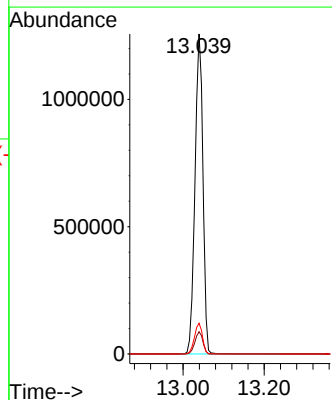
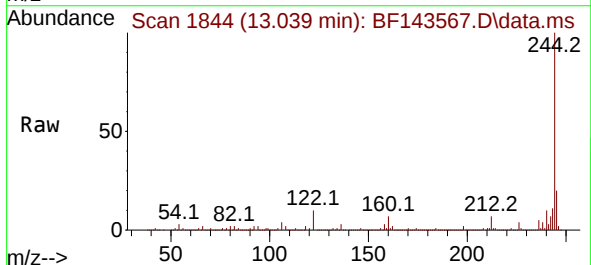
Instrument :
BNA_F
ClientSampleId :
MW-1C-081925

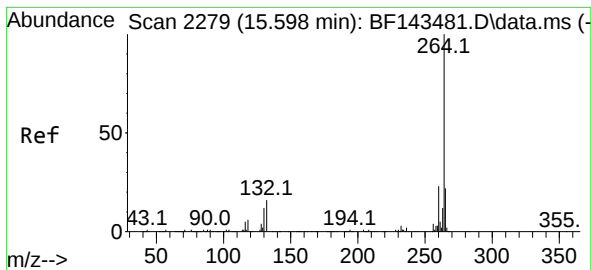
Tgt Ion:184 Resp: 21450
Ion Ratio Lower Upper
184 100
185 16.9 11.3 16.9
183 9.6 9.5 14.3



#79
Terphenyl-d14
Concen: 101.354 ng
RT: 13.039 min Scan# 1844
Delta R.T. 0.000 min
Lab File: BF143567.D
Acq: 22 Aug 2025 12:31

Tgt Ion:244 Resp: 1715245
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: 15.592 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF143567.D
 Acq: 22 Aug 2025 12:31

Instrument :
 BNA_F
 ClientSampleId :
 MW-1C-081925

Tgt Ion:264 Resp: 244662
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.7 28.1
 265 21.7 17.6 26.4

