

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082225\
 Data File : BF143572.D
 Acq On : 22 Aug 2025 14:56
 Operator : RC/JU
 Sample : Q2903-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-12B-081925

Quant Time: Aug 22 15:30:27 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)

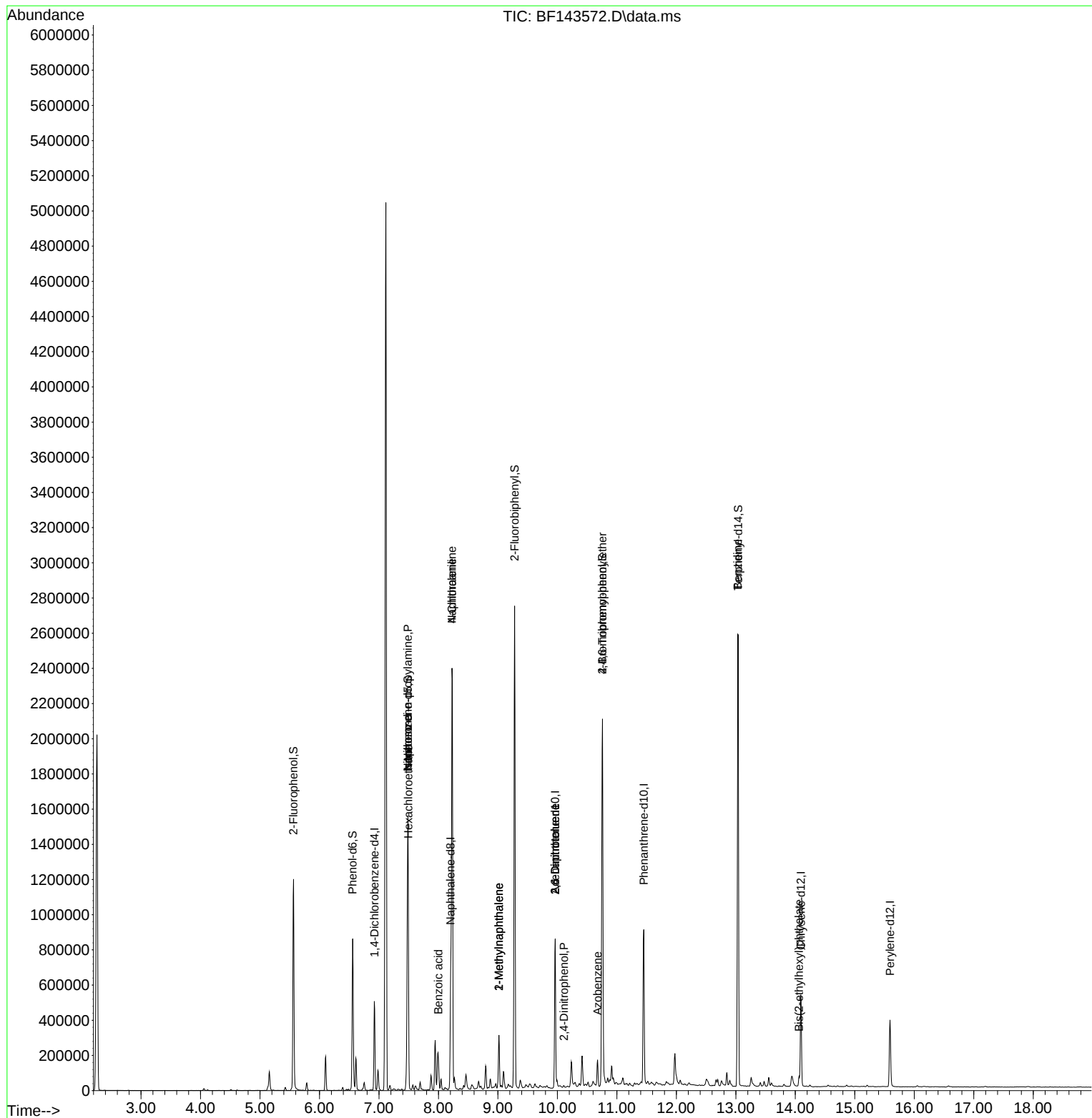
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	104645	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	412054	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	253705	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	438807	20.000	ng	0.00
76) Chrysene-d12	14.092	240	250826	20.000	ng	-0.01
86) Perylene-d12	15.592	264	225338	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	428537	71.508	ng	0.00
7) Phenol-d6	6.557	99	367464	49.672	ng	-0.02
23) Nitrobenzene-d5	7.487	82	658018	93.188	ng	-0.01
42) 2,4,6-Tribromophenol	10.757	330	364261	154.242	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	1203845	78.420	ng	0.00
79) Terphenyl-d14	13.039	244	1330303	92.551	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	7.492	117	88295	34.810	ng	# 2
19) n-Nitroso-di-n-propyla...	7.487	70	92931	20.552	ng	# 79
25) Isophorone	7.487	82	634163	48.994	ng	# 65
31) Naphthalene	8.228	128	1532300	77.456	ng	# 99
32) Benzoic acid	7.998	122	4724	6.848	ng	# 25
33) 4-Chloroaniline	8.228	127	209074	29.777	ng	# 33
37) 2-Methylnaphthalene	9.016	142	106263	8.043	ng	# 96
38) 1-Methylnaphthalene	9.016	142	106263	8.408	ng	# 99
51) 2,6-Dinitrotoluene	9.963	165	32120	10.143	ng	# 27
54) 2,4-Dinitrophenol	10.110	184	1429	6.081	ng	# 35
57) 2,4-Dinitrotoluene	9.963	165	32120	7.596	ng	# 27
63) Azobenzene	10.675	77	33653	2.369	ng	# 1
67) 4-Bromophenyl-phenylether	10.757	248	24630	4.704	ng	# 1
77) Benzidine	13.033	184	17037	2.788	ng	# 91
84) Bis(2-ethylhexyl)phtha...	14.063	149	19795	2.306	ng	# 99

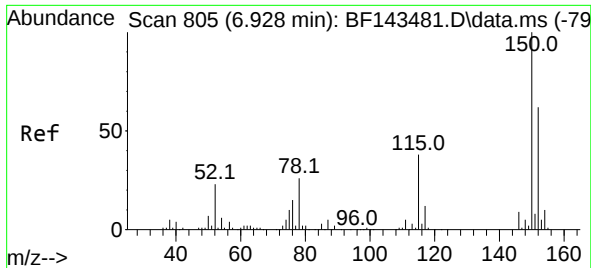
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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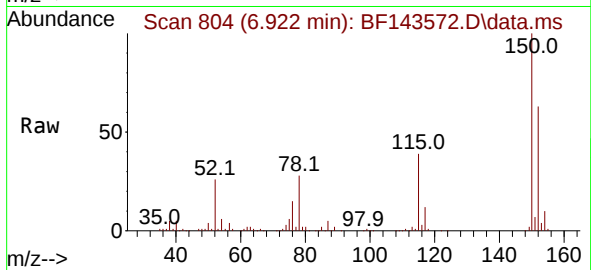
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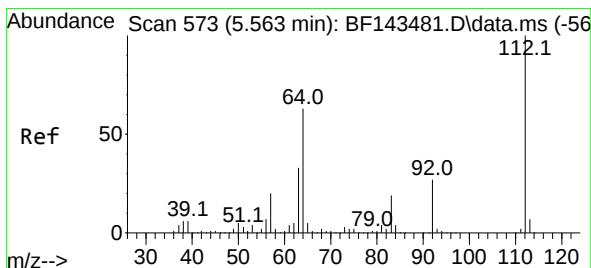
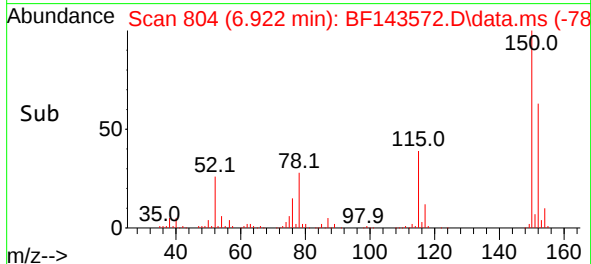
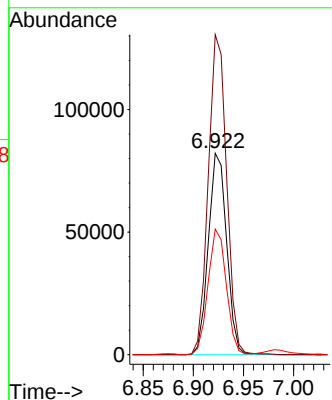


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF143572.D
Acq: 22 Aug 2025 14:56

Instrument :
BNA_F
ClientSampleId :
MW-12B-081925

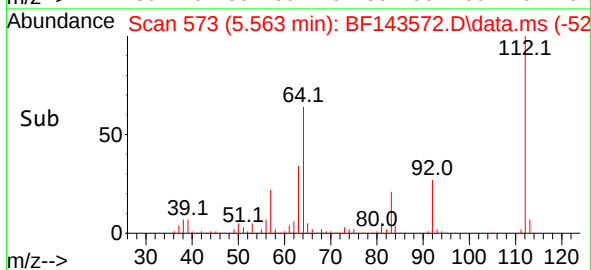
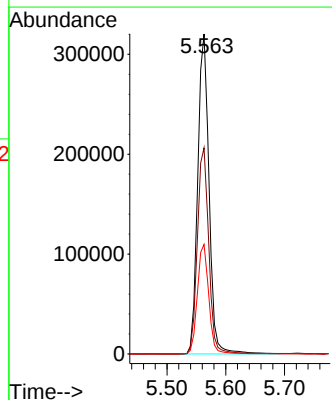
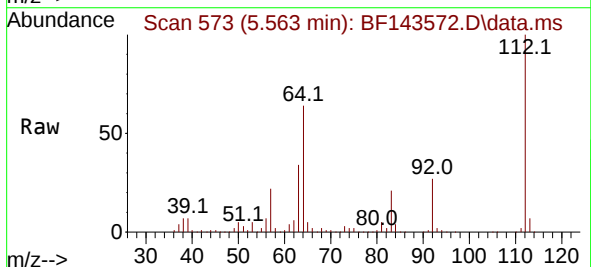


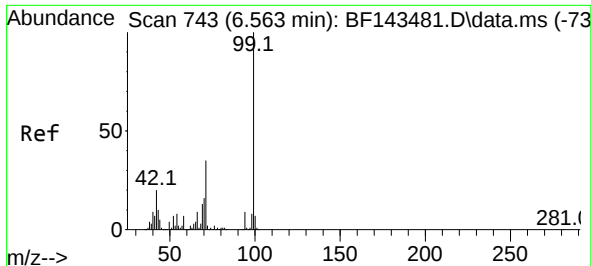
Tgt Ion:152 Resp: 104645
Ion Ratio Lower Upper
152 100
150 158.9 128.9 193.3
115 62.4 49.2 73.8



#5
2-Fluorophenol
Concen: 71.508 ng
RT: 5.563 min Scan# 573
Delta R.T. -0.000 min
Lab File: BF143572.D
Acq: 22 Aug 2025 14:56

Tgt Ion:112 Resp: 428537
Ion Ratio Lower Upper
112 100
64 64.4 50.4 75.6
63 34.3 26.4 39.6

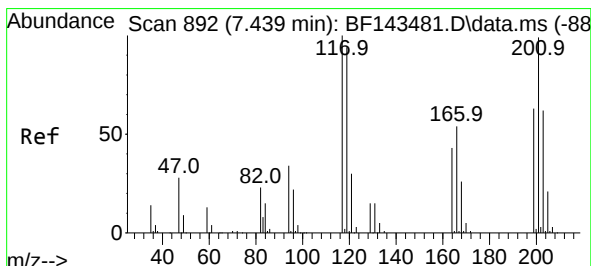
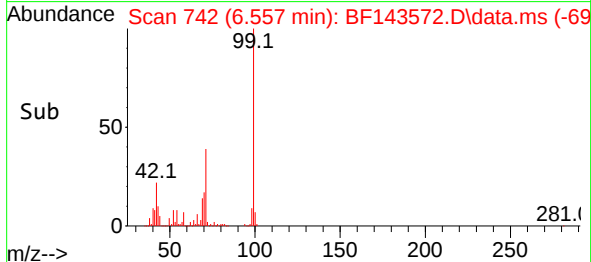
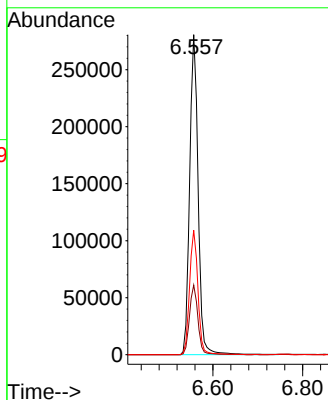
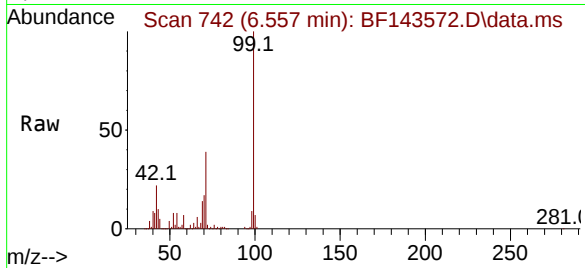




#7
Phenol-d6
Concen: 49.672 ng
RT: 6.557 min Scan# 743
Delta R.T. -0.018 min
Lab File: BF143572.D
Acq: 22 Aug 2025 14:56

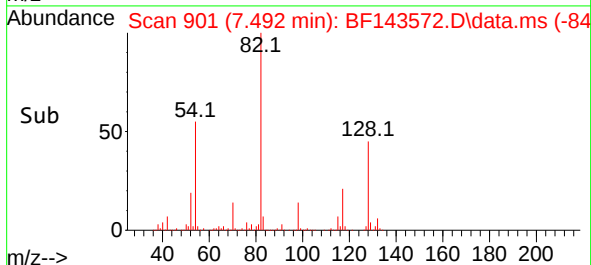
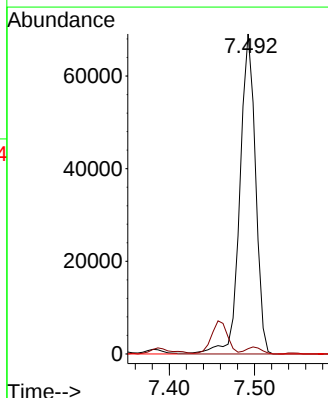
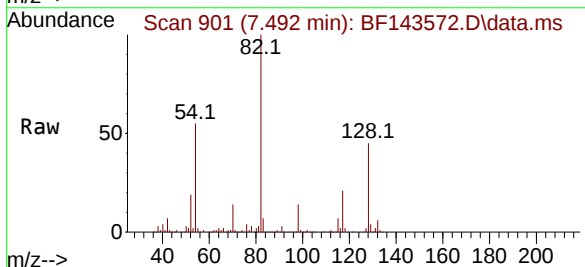
Instrument :
BNA_F
ClientSampleId :
MW-12B-081925

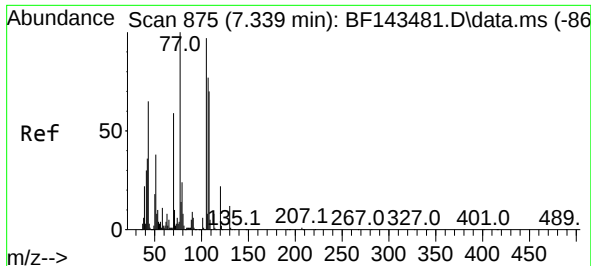
Tgt Ion: 99 Resp: 367464
Ion Ratio Lower Upper
99 100
42 21.7 16.3 24.5
71 38.9 28.2 42.2



#18
Hexachloroethane
Concen: 34.810 ng
RT: 7.492 min Scan# 901
Delta R.T. 0.047 min
Lab File: BF143572.D
Acq: 22 Aug 2025 14:56

Tgt Ion: 117 Resp: 88295
Ion Ratio Lower Upper
117 100
119 1.7 75.4 113.0#
201 0.0 79.0 118.4#



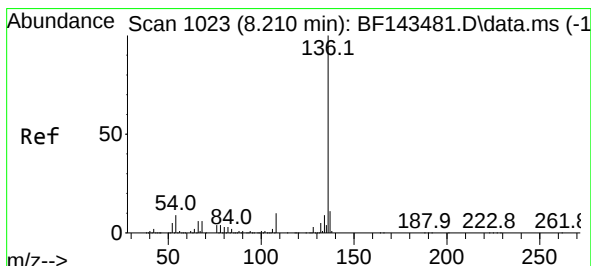
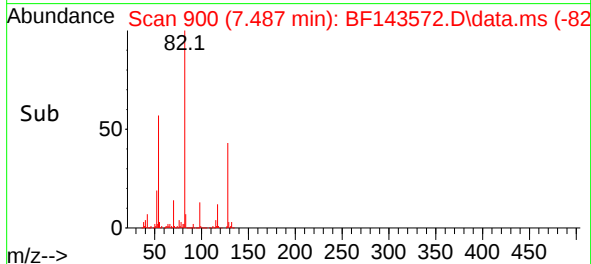
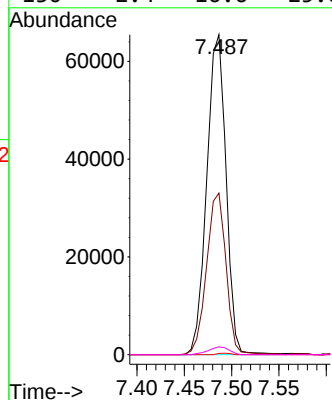
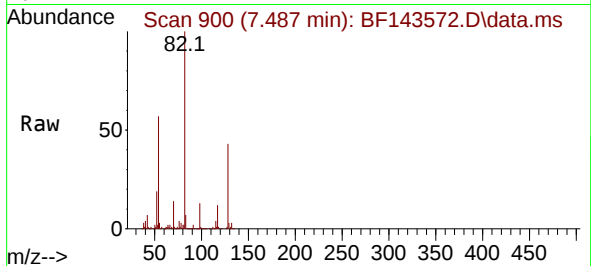


#19
n-Nitroso-di-n-propylamine
Concen: 20.552 ng
RT: 7.487 min Scan# 90
Delta R.T. 0.135 min
Lab File: BF143572.D
Acq: 22 Aug 2025 14:56

Instrument :
BNA_F
ClientSampleId :
MW-12B-081925

Tgt Ion: 70 Resp: 92931

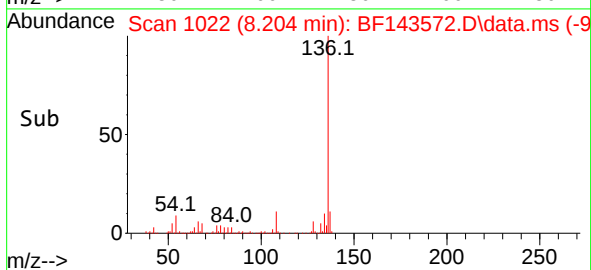
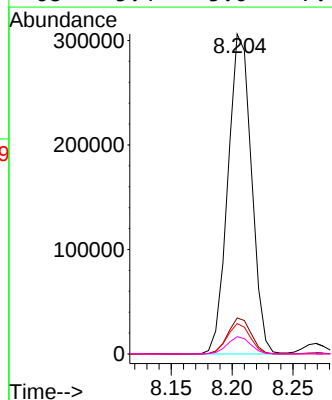
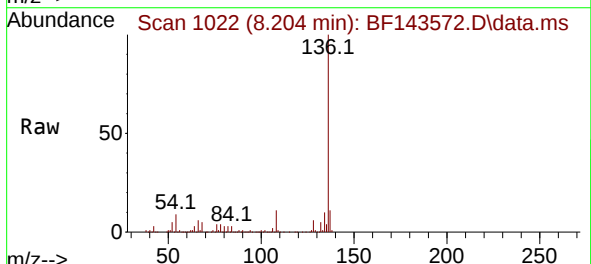
Ion	Ratio	Lower	Upper
70	100		
42	50.5	49.3	73.9
101	0.4	7.8	11.8#
130	2.4	16.6	25.0#

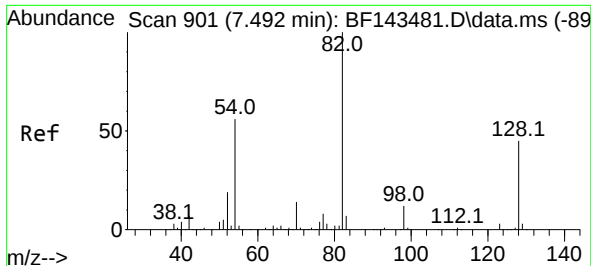


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF143572.D
Acq: 22 Aug 2025 14:56

Tgt Ion: 136 Resp: 412054

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	9.5	7.4	11.2
68	5.4	5.0	7.4





#23

Nitrobenzene-d5

Concen: 93.188 ng

RT: 7.487 min Scan# 900

Delta R.T. -0.012 min

Lab File: BF143572.D

Acq: 22 Aug 2025 14:56

Instrument :

BNA_F

ClientSampleId :

MW-12B-081925

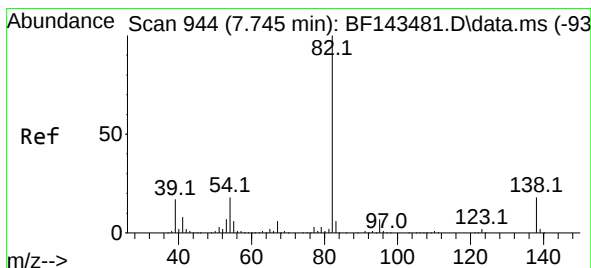
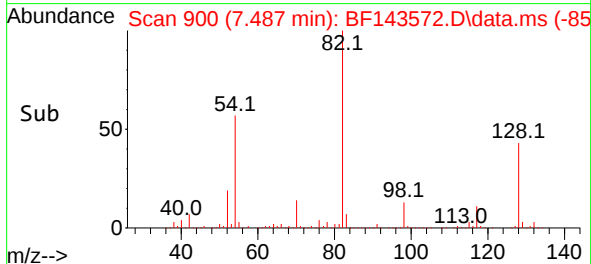
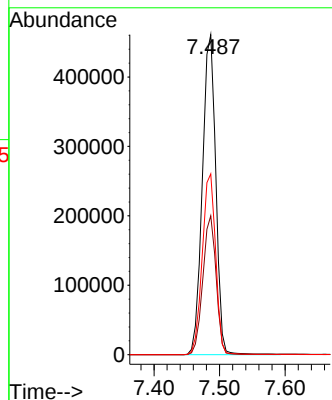
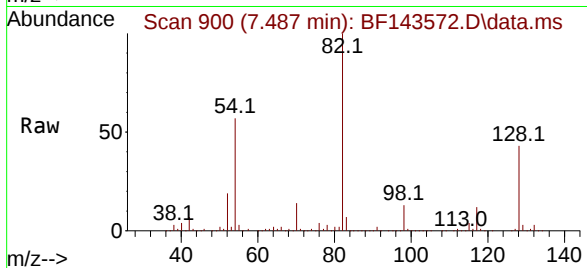
Tgt Ion: 82 Resp: 658018

Ion Ratio Lower Upper

82 100

128 43.4 35.5 53.3

54 56.5 44.3 66.5



#25

Isophorone

Concen: 48.994 ng

RT: 7.487 min Scan# 900

Delta R.T. -0.271 min

Lab File: BF143572.D

Acq: 22 Aug 2025 14:56

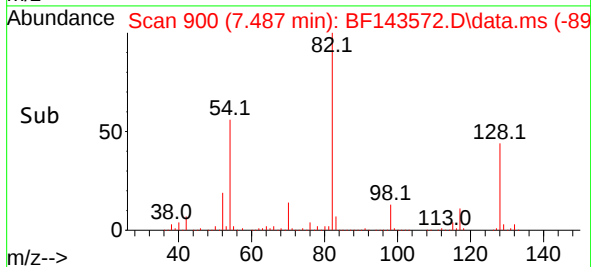
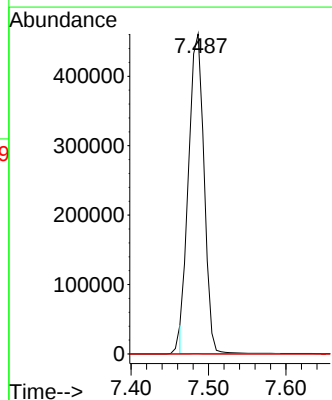
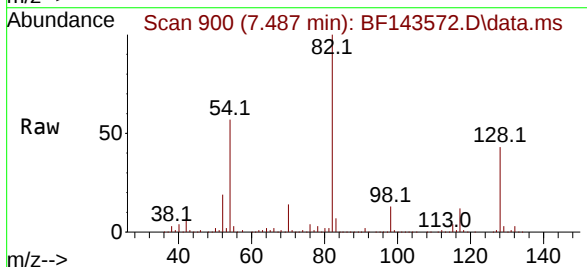
Tgt Ion: 82 Resp: 634163

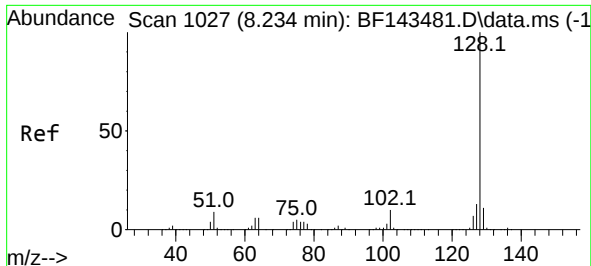
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 14.2 21.4#

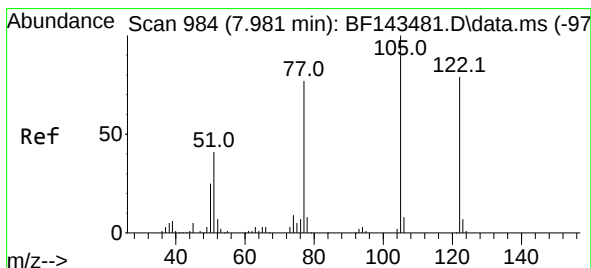
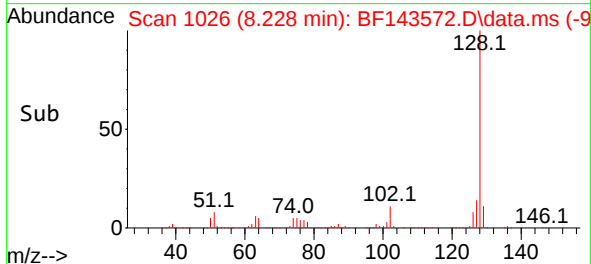
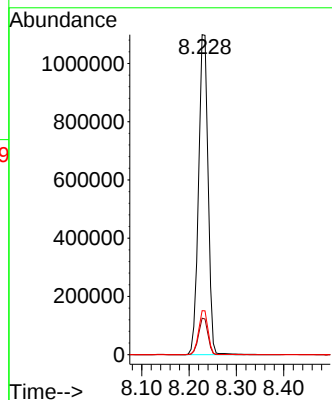
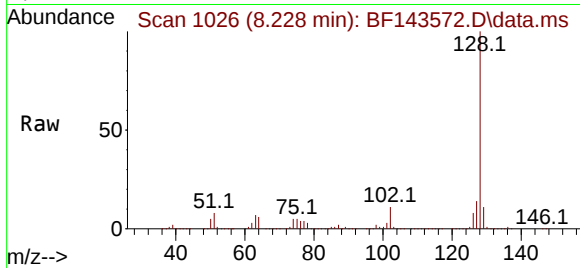




#31
Naphthalene
Concen: 77.456 ng
RT: 8.228 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF143572.D
Acq: 22 Aug 2025 14:56

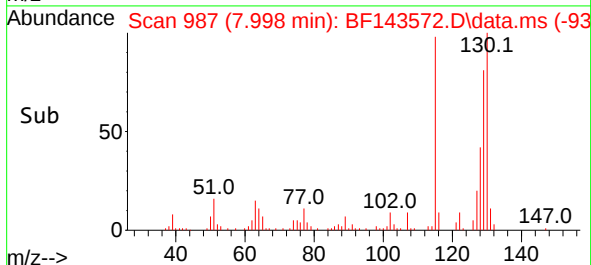
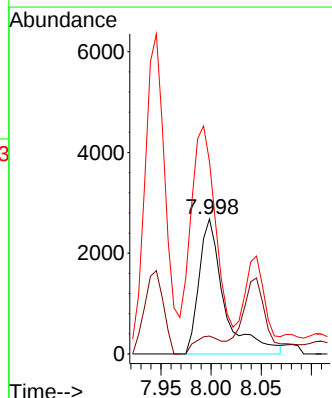
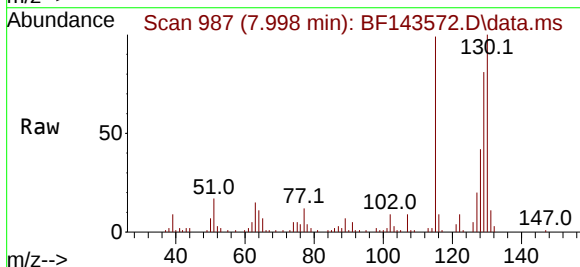
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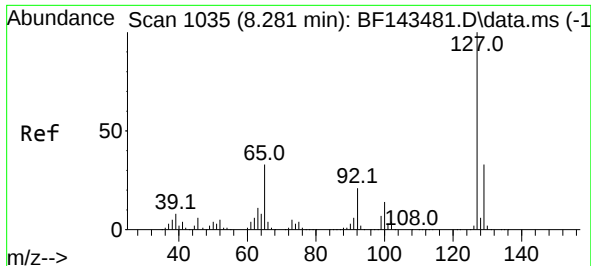
Tgt Ion:128 Resp: 1532300
Ion Ratio Lower Upper
128 100
129 11.4 8.8 13.2
127 13.7 10.6 16.0



#32
Benzoic acid
Concen: 6.848 ng
RT: 7.998 min Scan# 987
Delta R.T. -0.012 min
Lab File: BF143572.D
Acq: 22 Aug 2025 14:56

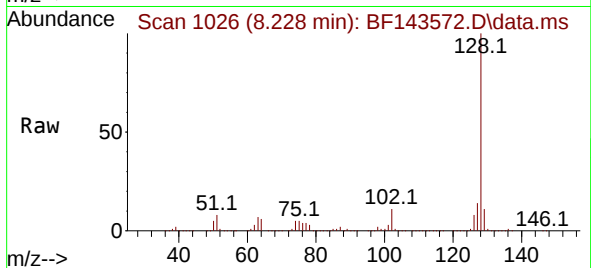
Tgt Ion:122 Resp: 4724
Ion Ratio Lower Upper
122 100
105 13.2 104.7 144.7#
77 142.6 77.3 117.3#



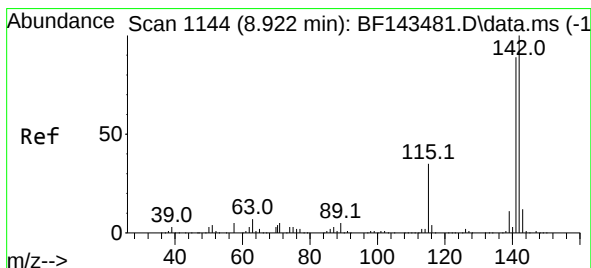
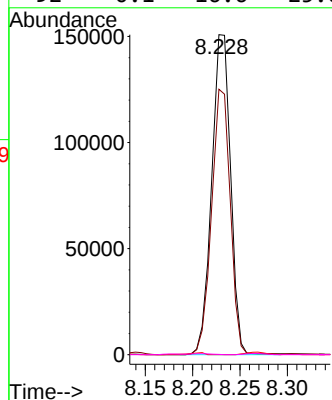
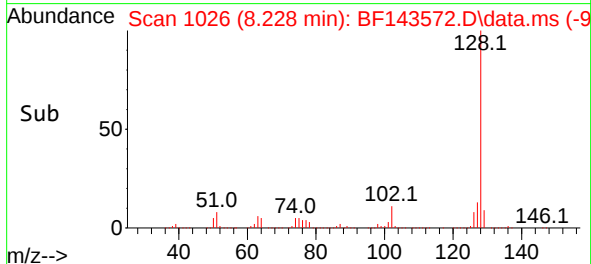


#33
4-Chloroaniline
Concen: 29.777 ng
RT: 8.228 min Scan# 1160
Delta R.T. -0.053 min
Lab File: BF143572.D
Acq: 22 Aug 2025 14:56

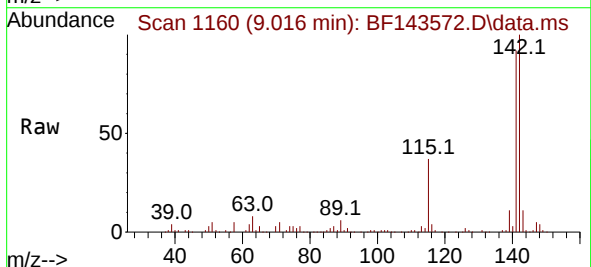
Instrument :
BNA_F
ClientSampleId :
MW-12B-081925



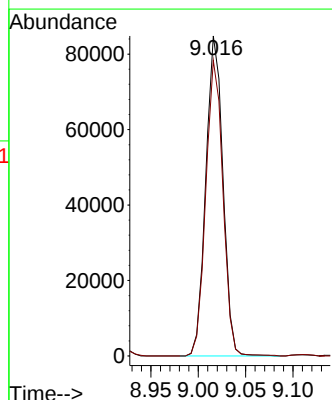
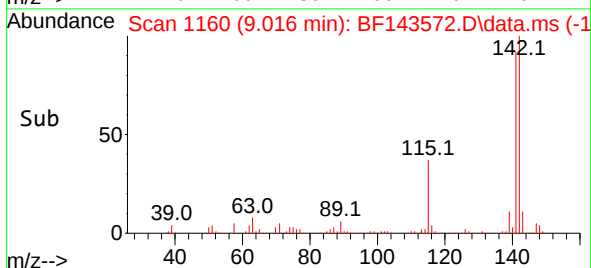
Tgt Ion:127	Resp:	209074	
Ion	Ratio	Lower	Upper
127	100		
129	83.0	26.1	39.1#
65	0.0	26.2	39.2#
92	0.1	16.6	25.0#

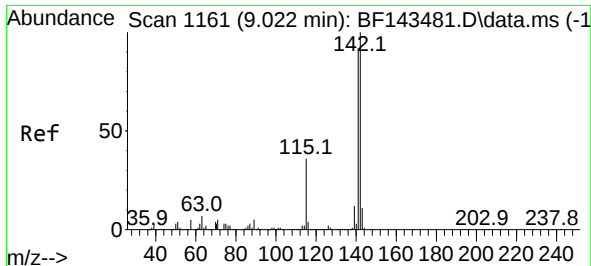


#37
2-Methylnaphthalene
Concen: 8.043 ng
RT: 9.016 min Scan# 1160
Delta R.T. 0.088 min
Lab File: BF143572.D
Acq: 22 Aug 2025 14:56



Tgt	Ion:142	Resp:	106263
Ion	Ratio	Lower	Upper
142	100		
141	92.3	71.0	106.4

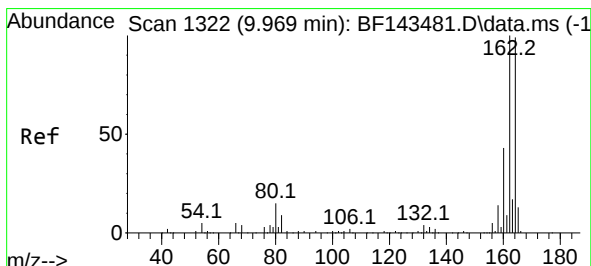
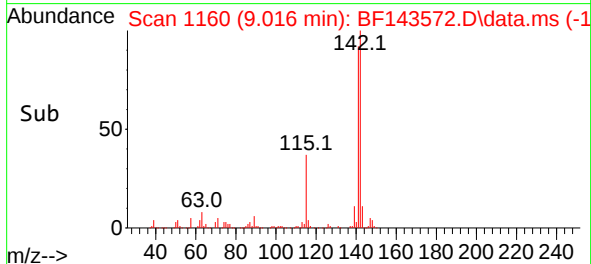
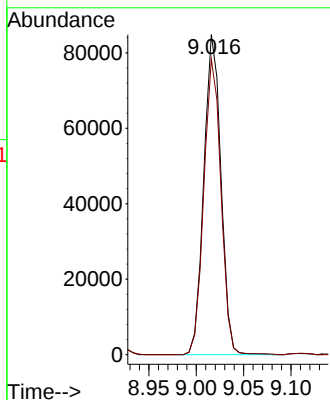
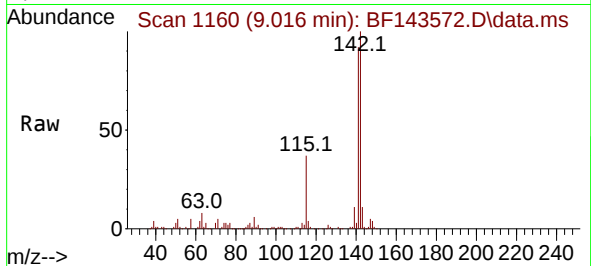




#38
1-Methylnaphthalene
Concen: 8.408 ng
RT: 9.016 min Scan# 1160
Delta R.T. -0.012 min
Lab File: BF143572.D
Acq: 22 Aug 2025 14:56

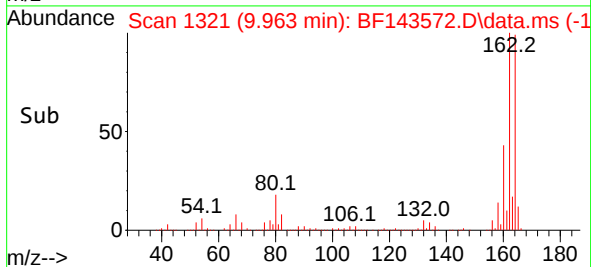
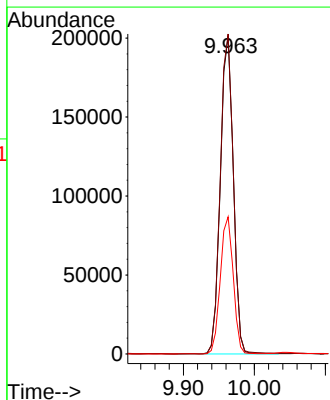
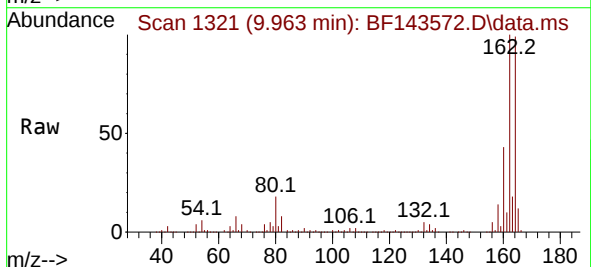
Instrument :
BNA_F
ClientSampleId :
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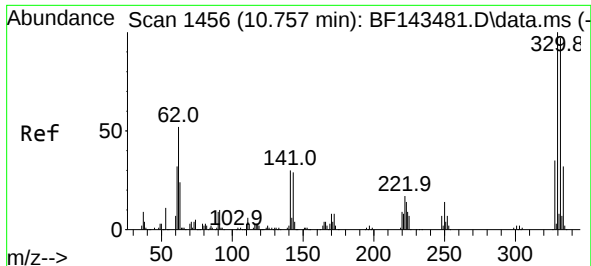
Tgt Ion:142 Resp: 106263
Ion Ratio Lower Upper
142 100
141 92.3 73.3 109.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF143572.D
Acq: 22 Aug 2025 14:56

Tgt Ion:164 Resp: 253705
Ion Ratio Lower Upper
164 100
162 100.7 80.5 120.7
160 43.2 34.3 51.5





#42

2,4,6-Tribromophenol

Concen: 154.242 ng

RT: 10.757 min Scan# 1456

Delta R.T. -0.006 min

Lab File: BF143572.D

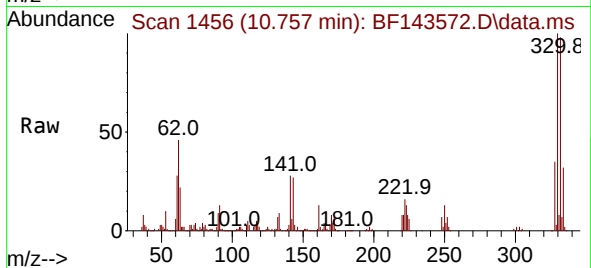
Acq: 22 Aug 2025 14:56

Instrument :

BNA_F

ClientSampleId :

MW-12B-081925



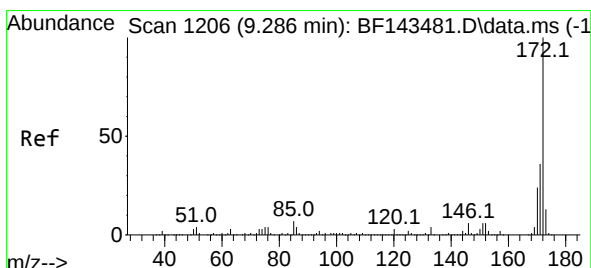
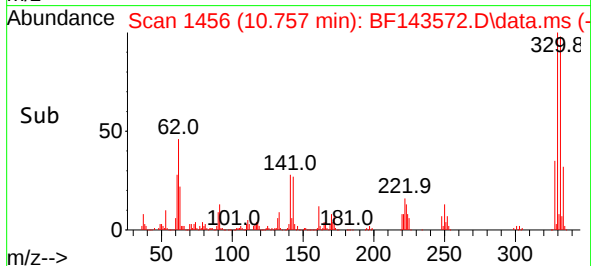
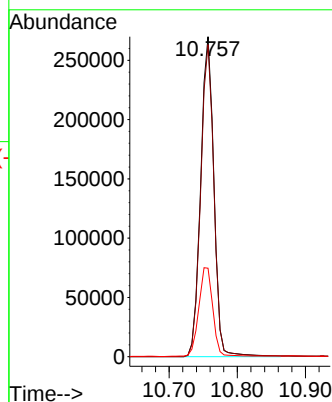
Tgt Ion:330 Resp: 364261

Ion Ratio Lower Upper

330 100

332 97.8 78.0 117.0

141 29.6 23.7 35.5



#45

2-Fluorobiphenyl

Concen: 78.420 ng

RT: 9.281 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF143572.D

Acq: 22 Aug 2025 14:56

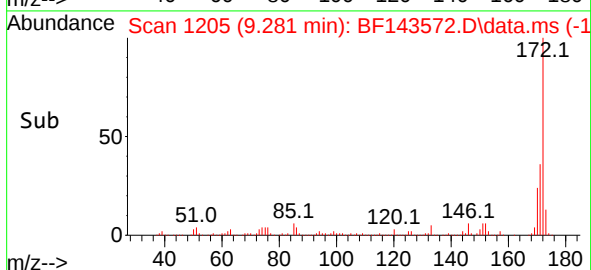
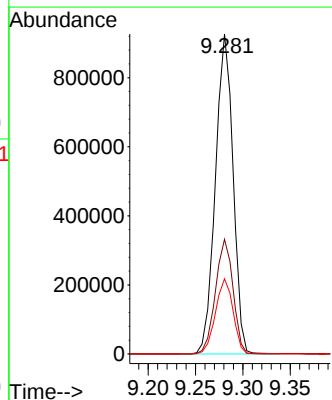
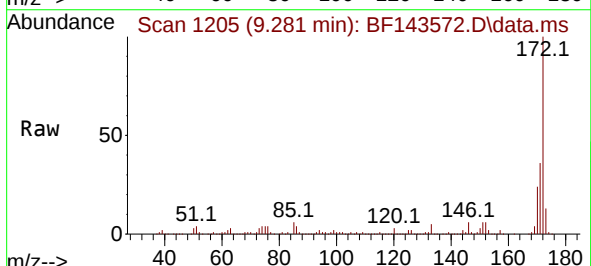
Tgt Ion:172 Resp: 1203845

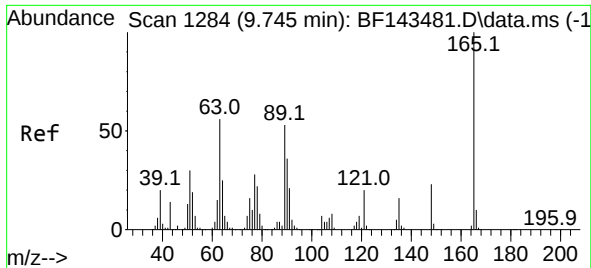
Ion Ratio Lower Upper

172 100

171 35.9 28.8 43.2

170 23.5 18.8 28.2

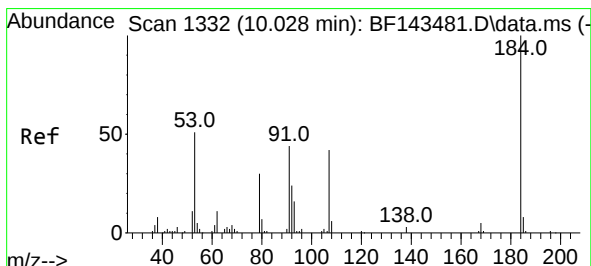
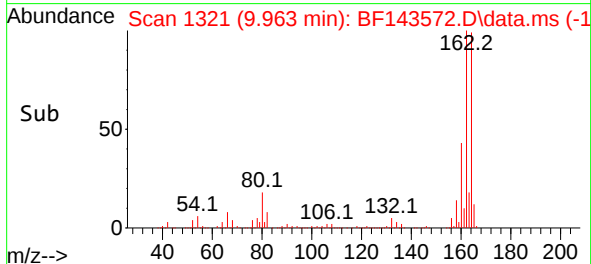
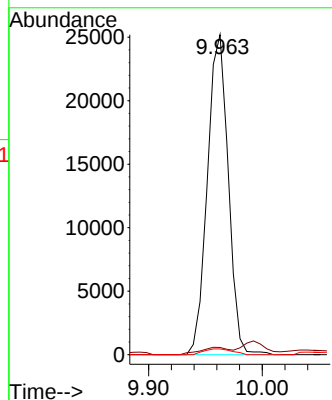
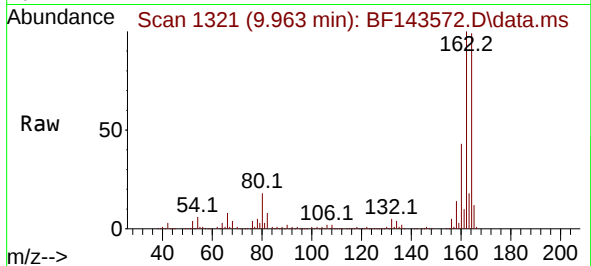




#51
2,6-Dinitrotoluene
Concen: 10.143 ng
RT: 9.963 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF143572.D
Acq: 22 Aug 2025 14:56

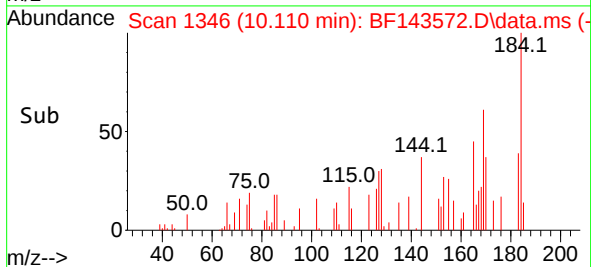
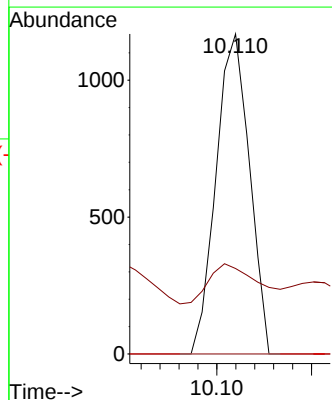
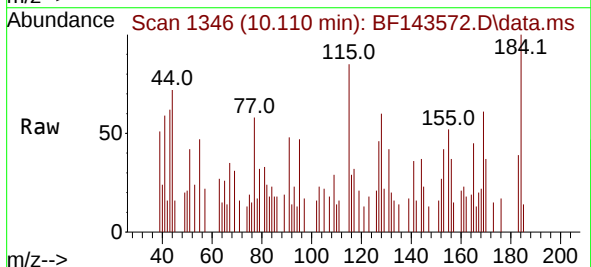
Instrument :
BNA_F
ClientSampleId :
MW-12B-081925

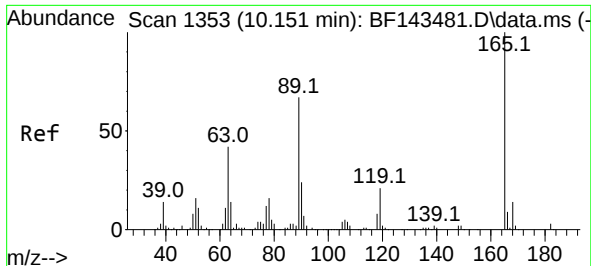
Tgt Ion:165 Resp: 32120
Ion Ratio Lower Upper
165 100
63 2.3 45.0 67.6#
89 1.8 42.5 63.7#



#54
2,4-Dinitrophenol
Concen: 6.081 ng
RT: 10.110 min Scan# 1346
Delta R.T. 0.082 min
Lab File: BF143572.D
Acq: 22 Aug 2025 14:56

Tgt Ion:184 Resp: 1429
Ion Ratio Lower Upper
184 100
63 26.7 52.6 78.8#
154 0.0 51.0 76.4#

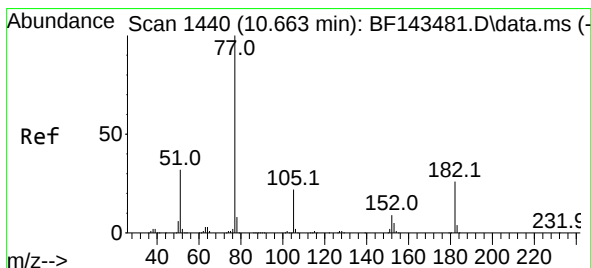
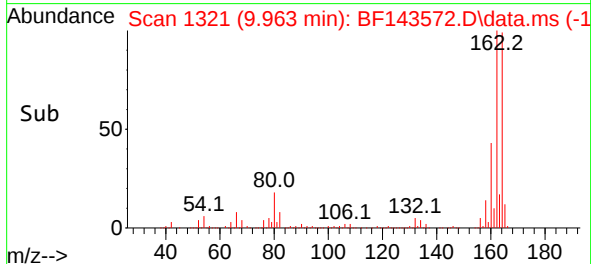
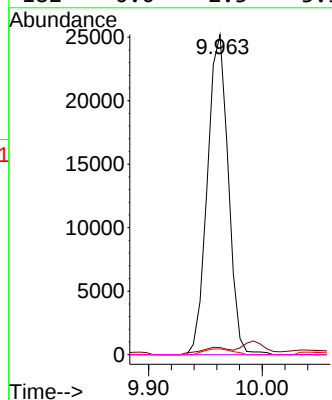
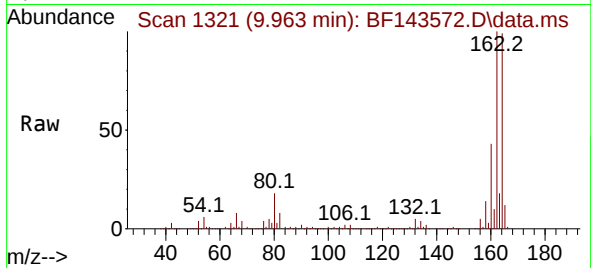




#57
2,4-Dinitrotoluene
Concen: 7.596 ng
RT: 9.963 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF143572.D
Acq: 22 Aug 2025 14:56

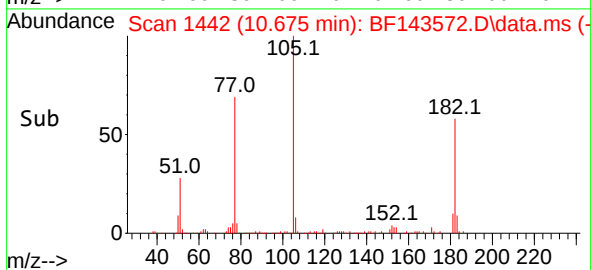
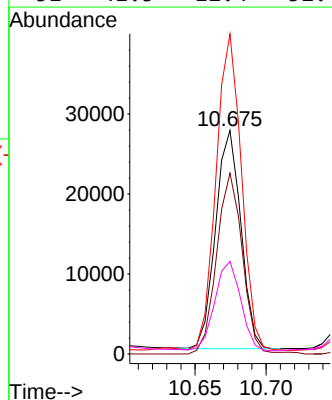
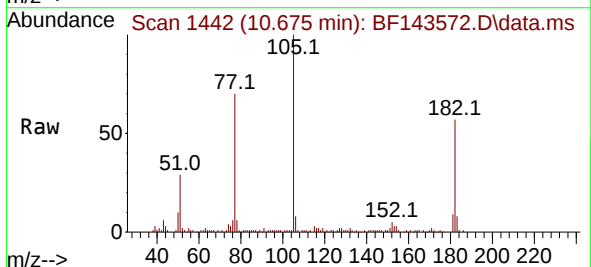
Instrument :
BNA_F
ClientSampleId :
MW-12B-081925

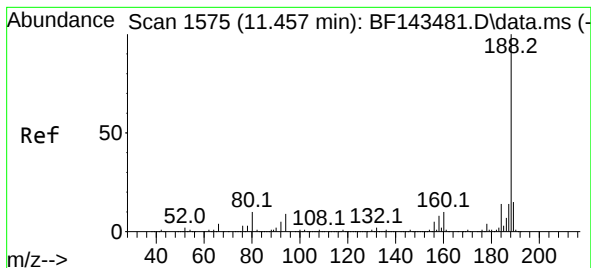
Tgt Ion:165 Resp: 32120
Ion Ratio Lower Upper
165 100
63 2.3 34.9 52.3#
89 1.8 53.3 79.9#
182 0.0 2.3 3.5#



#63
Azobenzene
Concen: 2.369 ng
RT: 10.675 min Scan# 1442
Delta R.T. 0.006 min
Lab File: BF143572.D
Acq: 22 Aug 2025 14:56

Tgt Ion: 77 Resp: 33653
Ion Ratio Lower Upper
77 100
182 80.9 6.2 46.2#
105 143.2 2.2 42.2#
51 41.5 12.4 52.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.451 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143572.D

Acq: 22 Aug 2025 14:56

Instrument :

BNA_F

ClientSampleId :

MW-12B-081925

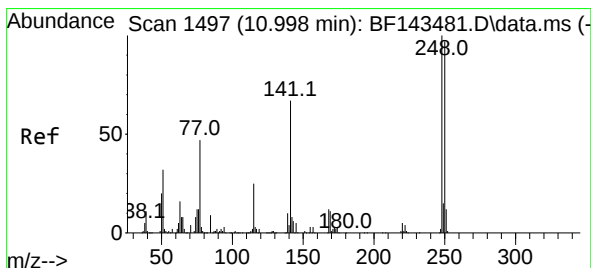
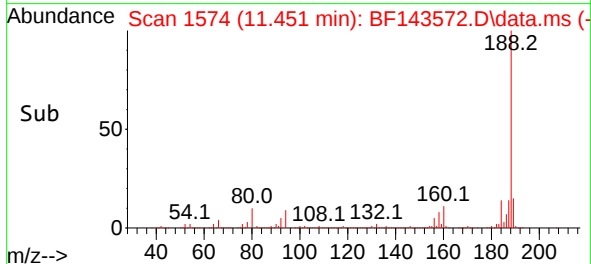
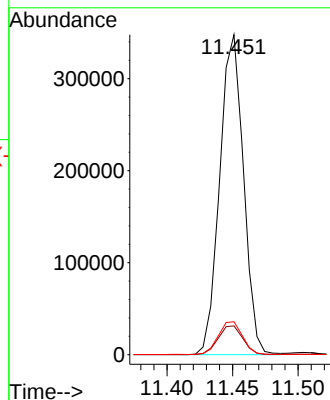
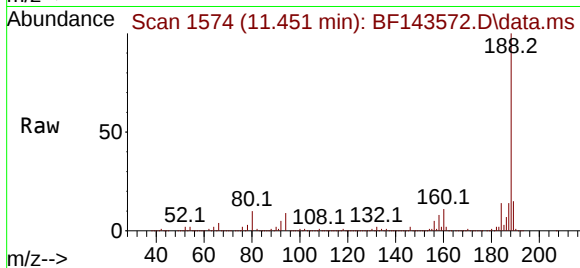
Tgt Ion:188 Resp: 438807

Ion Ratio Lower Upper

188 100

94 9.0 7.4 11.2

80 10.3 8.2 12.4



#67

4-Bromophenyl-phenylether

Concen: 4.704 ng

RT: 10.757 min Scan# 1456

Delta R.T. -0.241 min

Lab File: BF143572.D

Acq: 22 Aug 2025 14:56

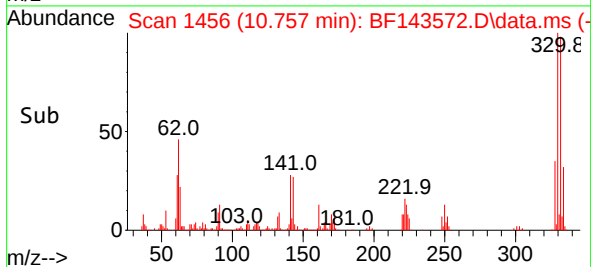
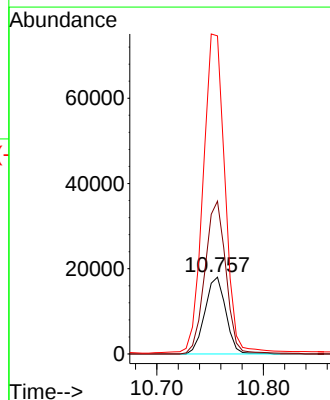
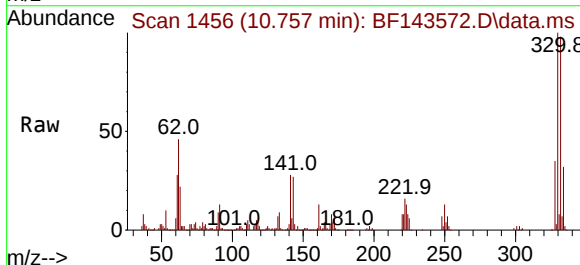
Tgt Ion:248 Resp: 24630

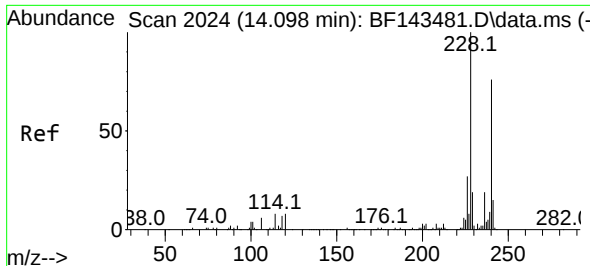
Ion Ratio Lower Upper

248 100

250 199.0 77.8 116.8#

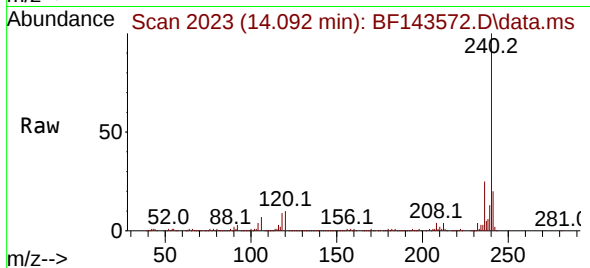
141 414.1 54.0 81.0#



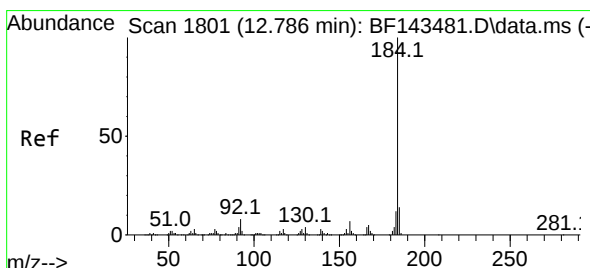
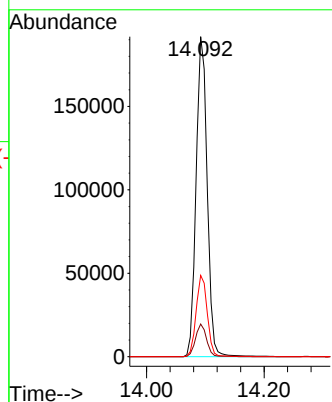
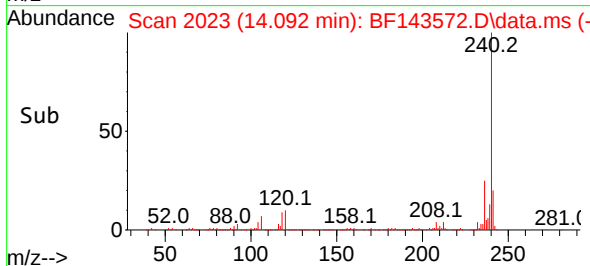


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF143572.D
Acq: 22 Aug 2025 14:56

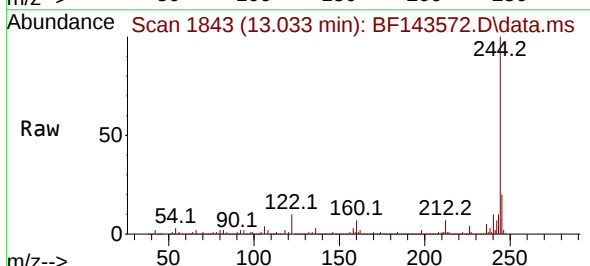
Instrument :
BNA_F
ClientSampleId :
MW-12B-081925



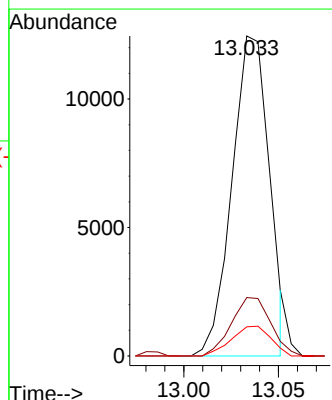
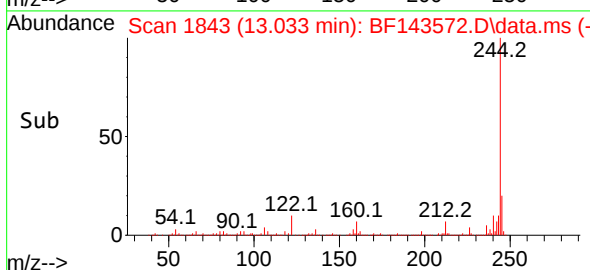
Tgt Ion:240 Resp: 250826
Ion Ratio Lower Upper
240 100
120 10.2 8.6 12.8
236 25.4 20.4 30.6

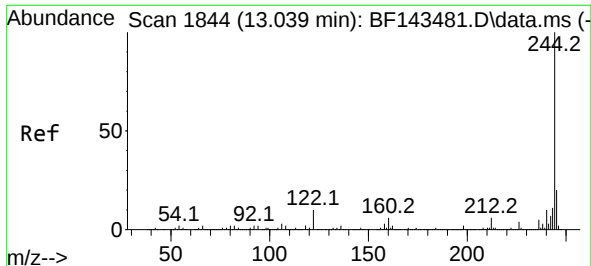


#77
Benzidine
Concen: 2.788 ng
RT: 13.033 min Scan# 1843
Delta R.T. 0.247 min
Lab File: BF143572.D
Acq: 22 Aug 2025 14:56



Tgt Ion:184 Resp: 17037
Ion Ratio Lower Upper
184 100
185 18.3 11.3 16.9#
183 9.1 9.5 14.3#

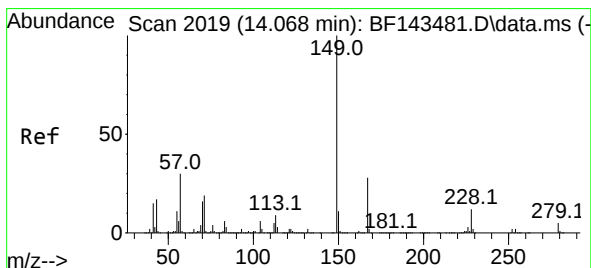
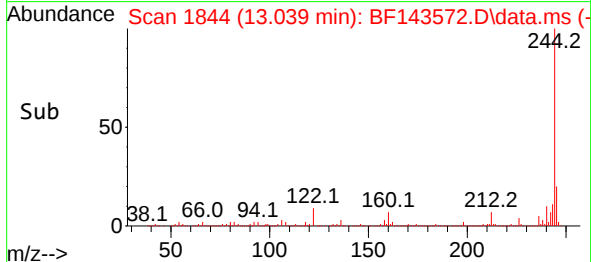
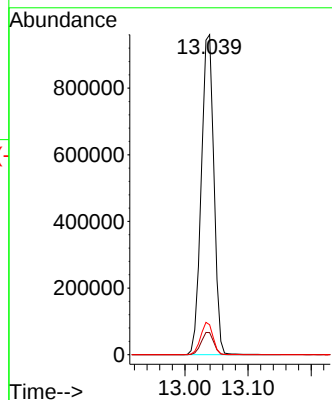
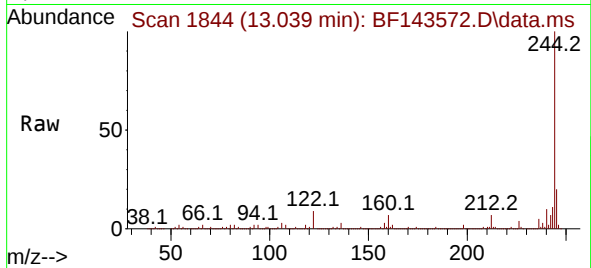




#79
 Terphenyl-d14
 Concen: 92.551 ng
 RT: 13.039 min Scan# 1844
 Delta R.T. -0.000 min
 Lab File: BF143572.D
 Acq: 22 Aug 2025 14:56

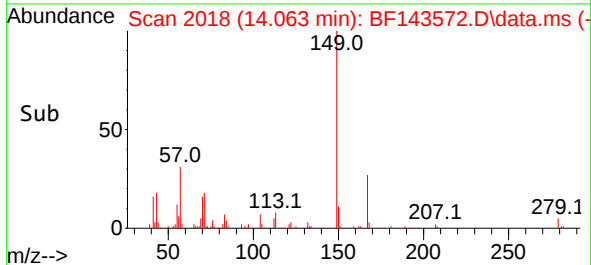
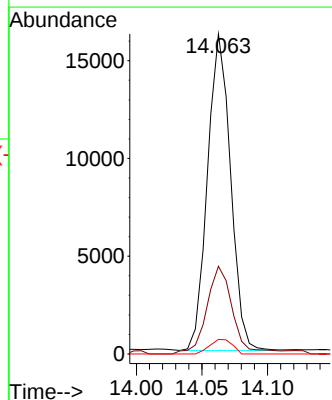
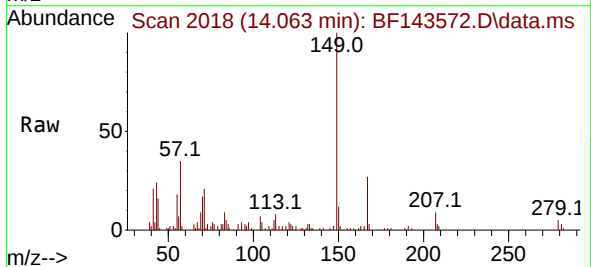
Instrument :
 BNA_F
 ClientSampleId :
 MW-12B-081925

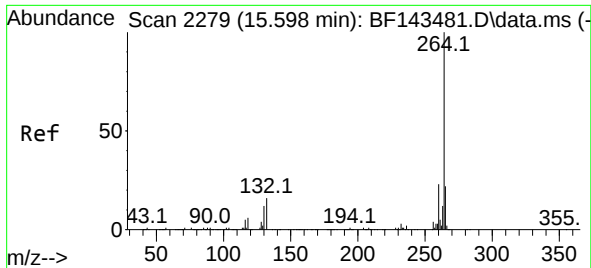
Tgt Ion:244 Resp: 1330303
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.2 7.8
 122 9.3 7.9 11.9



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.306 ng
 RT: 14.063 min Scan# 2018
 Delta R.T. -0.006 min
 Lab File: BF143572.D
 Acq: 22 Aug 2025 14:56

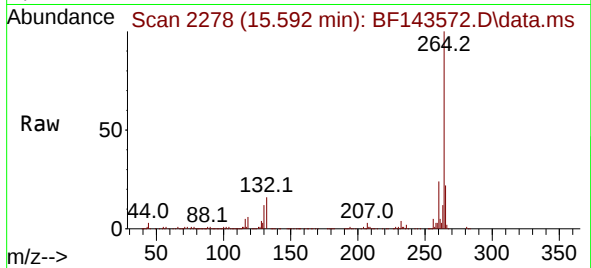
Tgt Ion:149 Resp: 19795
 Ion Ratio Lower Upper
 149 100
 167 27.4 22.2 33.2
 279 4.6 3.6 5.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.592 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF143572.D
 Acq: 22 Aug 2025 14:56

Instrument :
 BNA_F
 ClientSampleId :
 MW-12B-081925



Tgt Ion:264 Resp: 225338
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.7 28.1
 265 22.1 17.6 26.4

