

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143495.D
 Acq On : 20 Aug 2025 20:08
 Operator : RC/JU
 Sample : Q2900-07
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-11B-081825

Quant Time: Aug 21 02:05:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 20 15:07:46 2025
 Response via : Initial Calibration

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

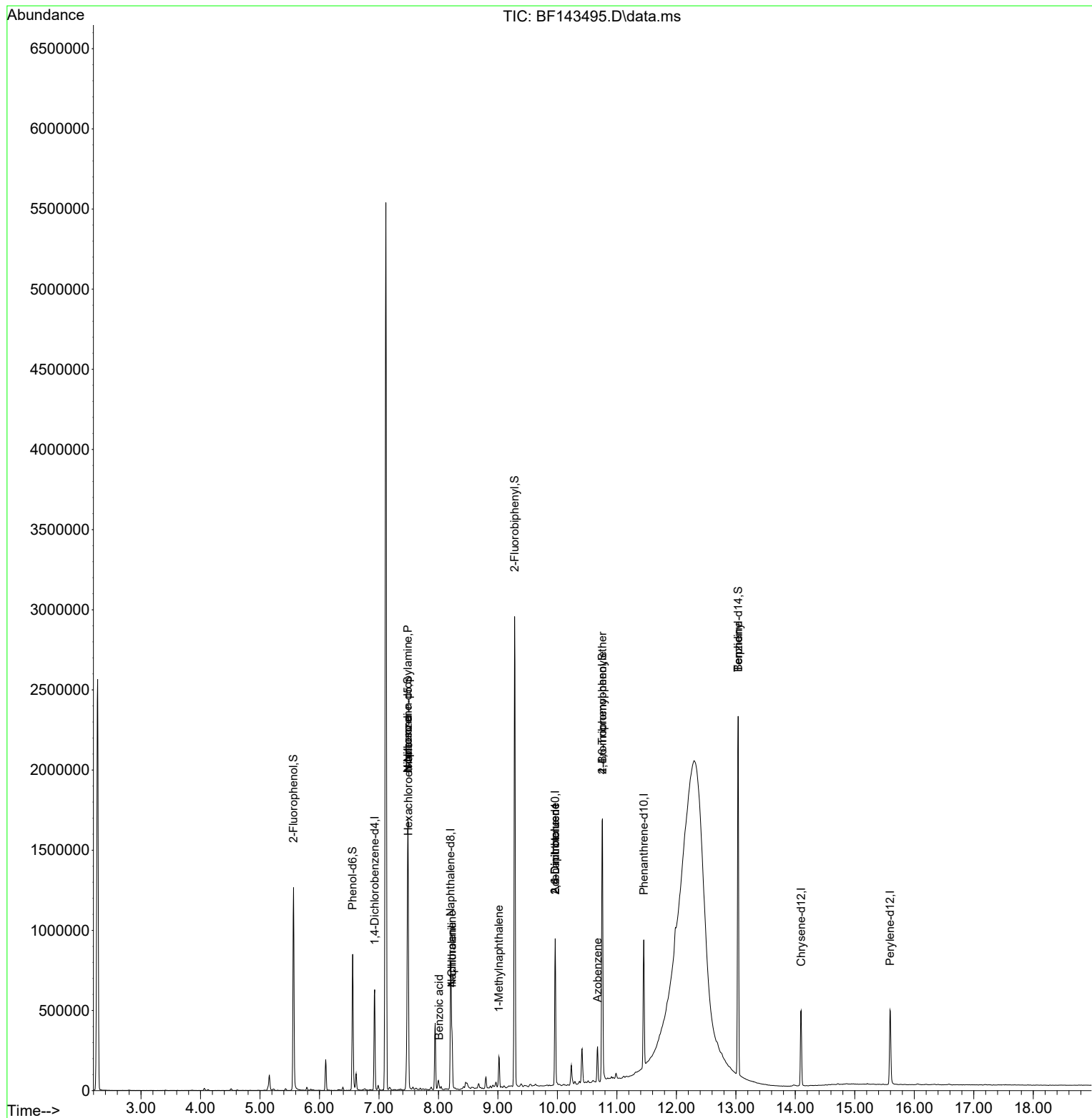
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	135207	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	510064	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	268416	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	401142	20.000	ng	0.00
76) Chrysene-d12	14.098	240	238389	20.000	ng	0.00
86) Perylene-d12	15.592	264	292027	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	464555	59.996	ng	0.00
7) Phenol-d6	6.557	99	385696	40.351	ng	-0.02
23) Nitrobenzene-d5	7.486	82	747991	85.575	ng	-0.01
42) 2,4,6-Tribromophenol	10.757	330	306015	122.477	ng	0.00
45) 2-Fluorobiphenyl	9.280	172	1309348	80.618	ng	0.00
79) Terphenyl-d14	13.039	244	1102840	80.729	ng	0.00
Target Compounds						
						Qvalue
18) Hexachloroethane	7.492	117	56822	17.338	ng	# 2
19) n-Nitroso-di-n-propyla...	7.486	70	99359	17.007	ng	# 79
25) Isophorone	7.486	82	726065	45.315	ng	# 65
31) Naphthalene	8.227	128	199663	8.153	ng	# 99
32) Benzoic acid	8.010	122	184	5.924	ng	# 1
33) 4-Chloroaniline	8.227	127	25613	2.947	ng	# 32
38) 1-Methylnaphthalene	9.016	142	69637	4.451	ng	# 100
51) 2,6-Dinitrotoluene	9.963	165	35398	10.565	ng	# 26
57) 2,4-Dinitrotoluene	9.963	165	35398	7.912	ng	# 27
63) Azobenzene	10.674	77	52270	3.478	ng	# 1
67) 4-Bromophenyl-phenylether	10.757	248	20074	4.194	ng	# 1
77) Benzidine	13.039	184	14164	2.439	ng	# 91

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

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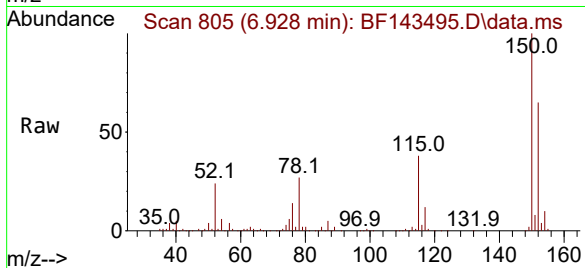
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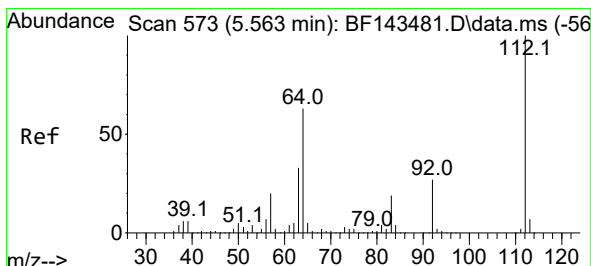
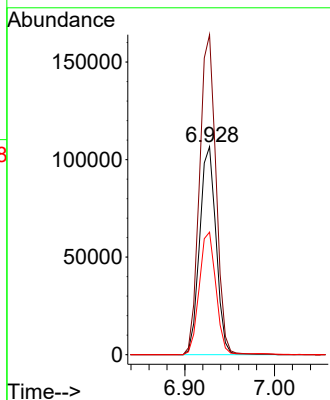
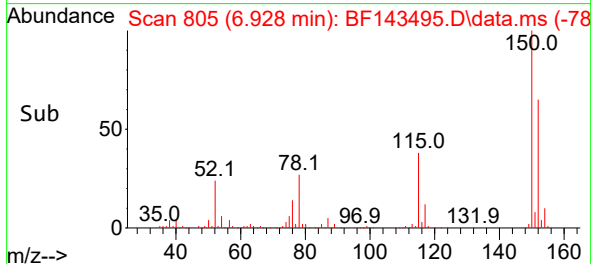


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 805
 Delta R.T. -0.000 min
 Lab File: BF143495.D
 Acq: 20 Aug 2025 20:08

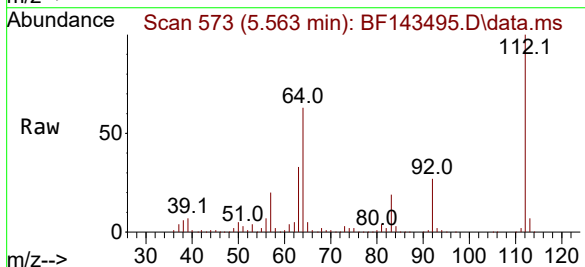
Instrument :
 BNA_F
 ClientSampleId :
 MW-11B-081825



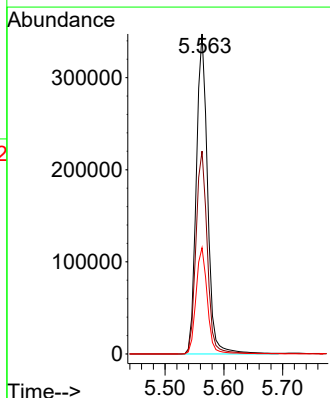
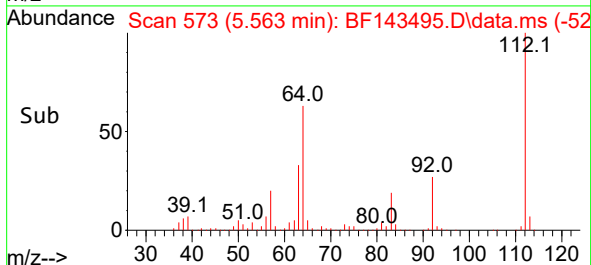
Tgt Ion:152 Resp: 135207
 Ion Ratio Lower Upper
 152 100
 150 153.8 128.9 193.3
 115 58.9 49.2 73.8



#5
 2-Fluorophenol
 Concen: 59.996 ng
 RT: 5.563 min Scan# 573
 Delta R.T. -0.000 min
 Lab File: BF143495.D
 Acq: 20 Aug 2025 20:08



Tgt Ion:112 Resp: 464555
 Ion Ratio Lower Upper
 112 100
 64 63.4 50.4 75.6
 63 33.2 26.4 39.6

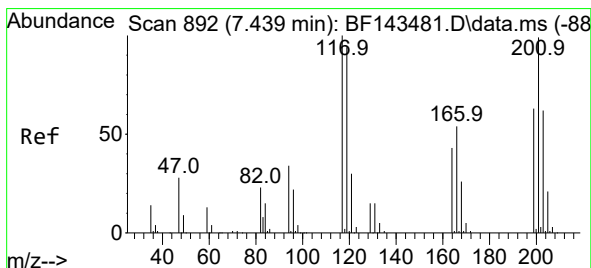
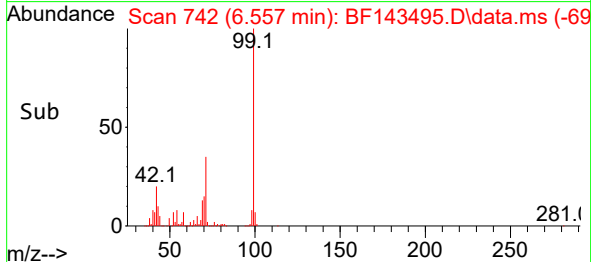
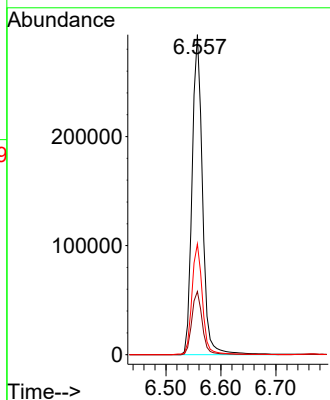
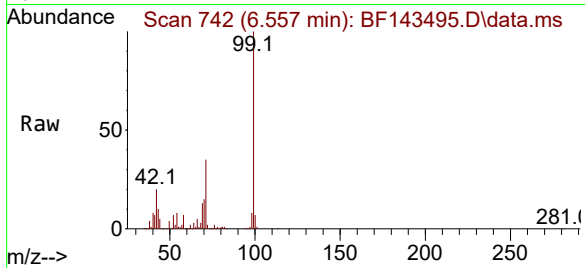




#7
Phenol-d6
Concen: 40.351 ng
RT: 6.557 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF143495.D
Acq: 20 Aug 2025 20:08

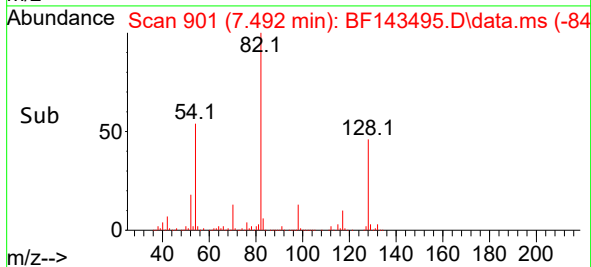
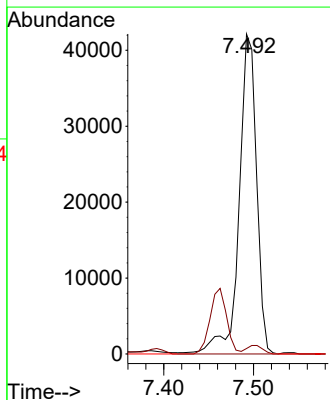
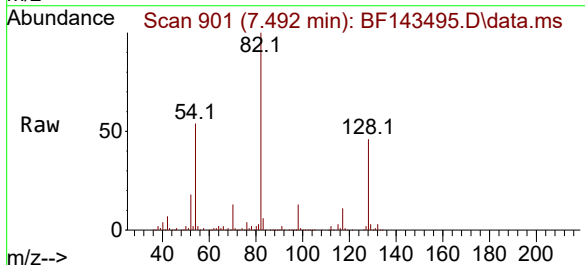
Instrument :
BNA_F
ClientSampleId :
MW-11B-081825

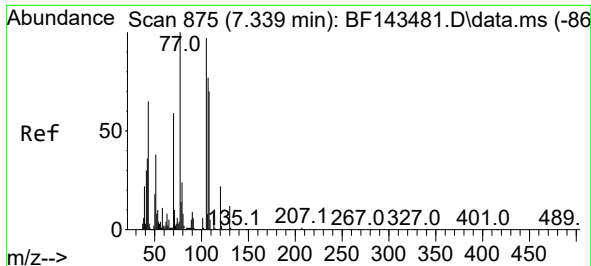
Tgt Ion: 99 Resp: 385696
Ion Ratio Lower Upper
99 100
42 19.8 16.3 24.5
71 34.6 28.2 42.2



#18
Hexachloroethane
Concen: 17.338 ng
RT: 7.492 min Scan# 901
Delta R.T. 0.047 min
Lab File: BF143495.D
Acq: 20 Aug 2025 20:08

Tgt Ion: 117 Resp: 56822
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: 17.007 ng

RT: 7.486 min Scan# 90

Delta R.T. 0.135 min

Lab File: BF143495.D

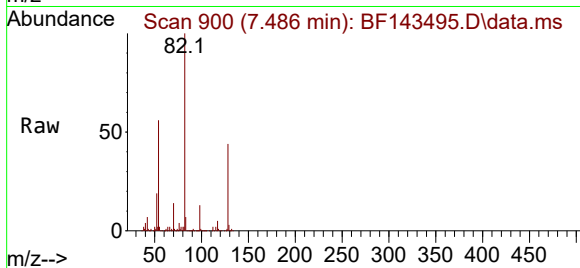
Acq: 20 Aug 2025 20:08

Instrument :

BNA_F

ClientSampleId :

MW-11B-081825



Tgt Ion: 70 Resp: 99359

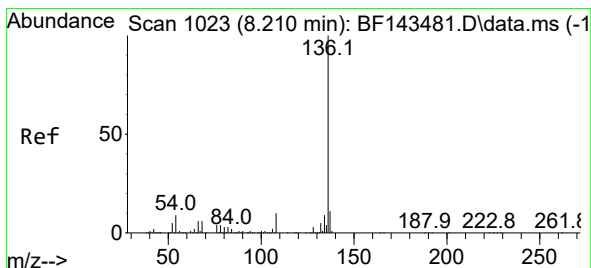
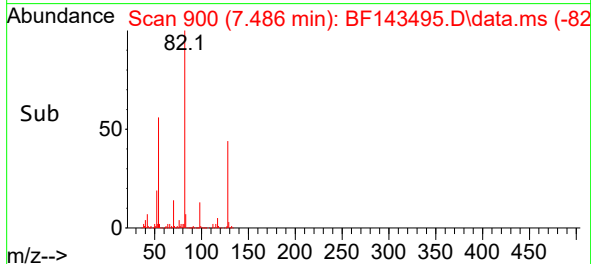
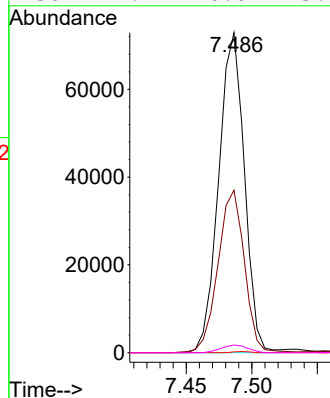
Ion Ratio Lower Upper

70 100

42 50.8 49.3 73.9

101 0.3 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: BF143495.D

Acq: 20 Aug 2025 20:08

Tgt Ion: 136 Resp: 510064

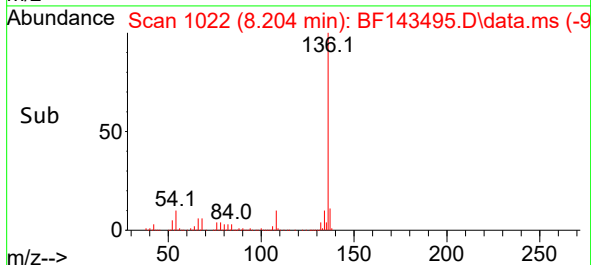
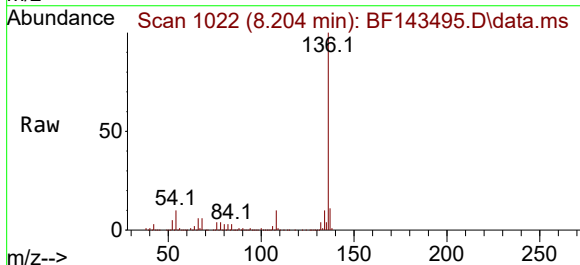
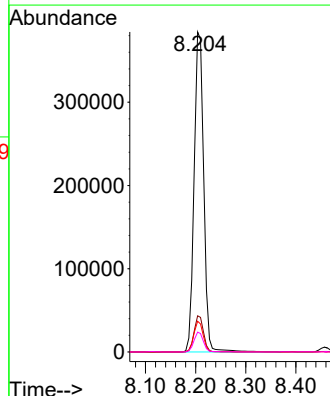
Ion Ratio Lower Upper

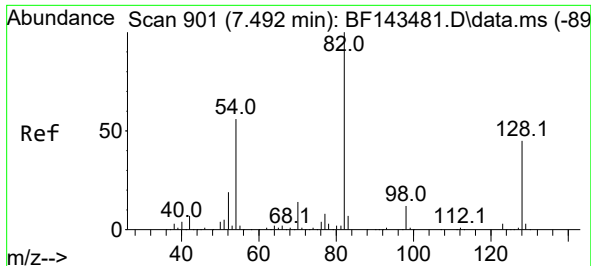
136 100

137 11.3 9.0 13.4

54 9.6 7.4 11.2

68 6.2 5.0 7.4





#23

Nitrobenzene-d5

Concen: 85.575 ng

RT: 7.486 min Scan# 900

Delta R.T. -0.012 min

Lab File: BF143495.D

Acq: 20 Aug 2025 20:08

Instrument :

BNA_F

ClientSampleId :

MW-11B-081825

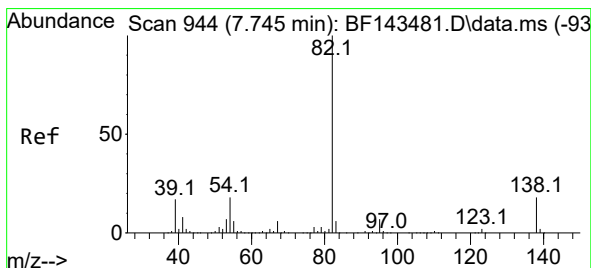
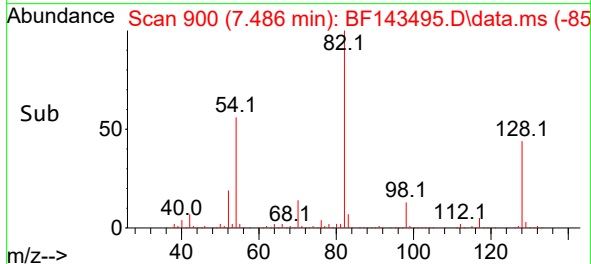
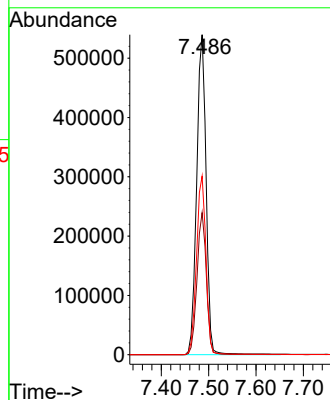
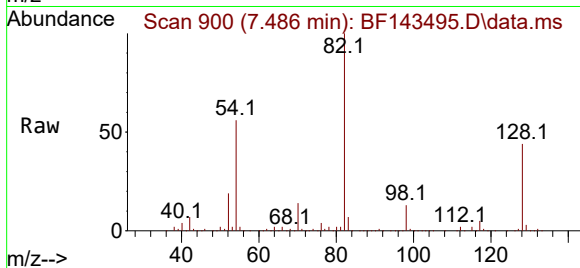
Tgt Ion: 82 Resp: 747991

Ion Ratio Lower Upper

82 100

128 44.4 35.5 53.3

54 55.8 44.3 66.5



#25

Isophorone

Concen: 45.315 ng

RT: 7.486 min Scan# 900

Delta R.T. -0.271 min

Lab File: BF143495.D

Acq: 20 Aug 2025 20:08

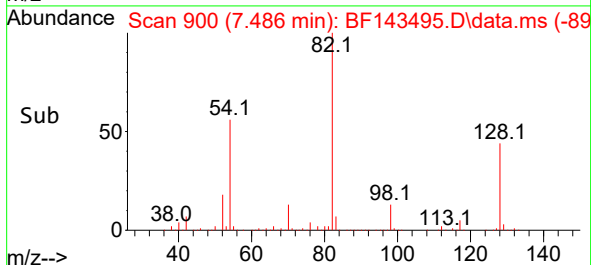
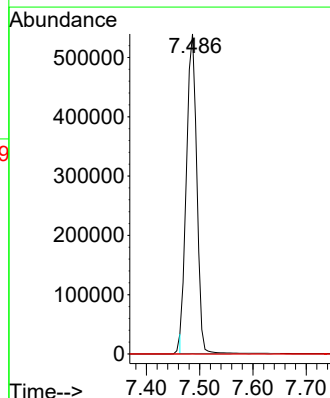
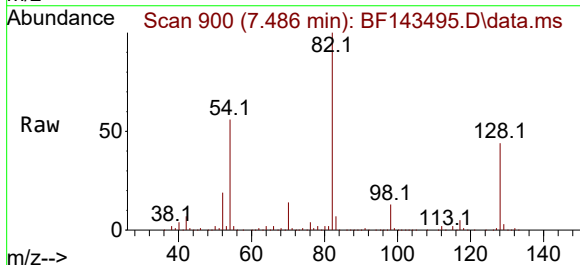
Tgt Ion: 82 Resp: 726065

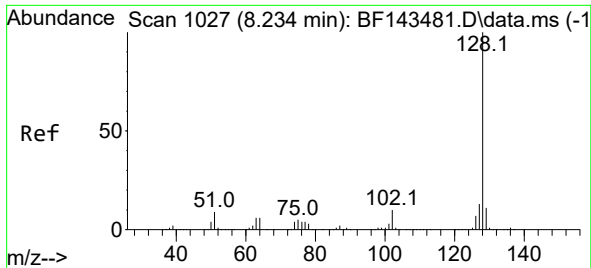
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 14.2 21.4#

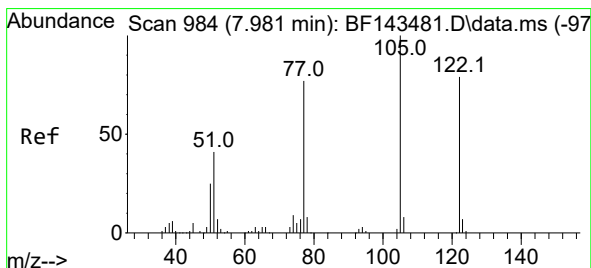
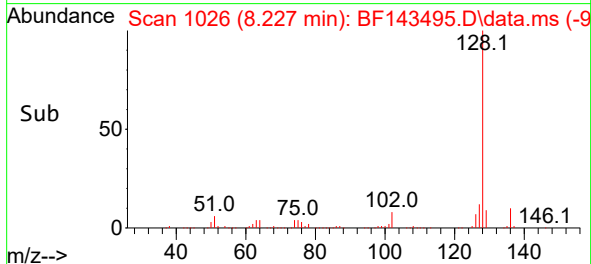
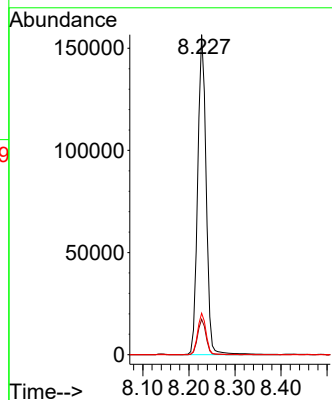
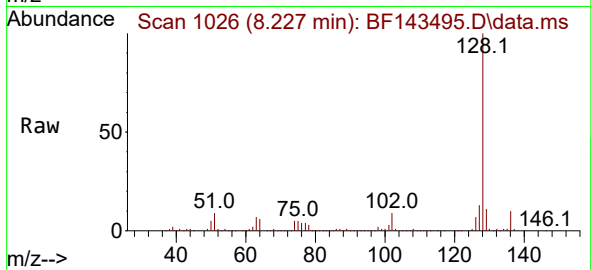




#31
Naphthalene
Concen: 8.153 ng
RT: 8.227 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF143495.D
Acq: 20 Aug 2025 20:08

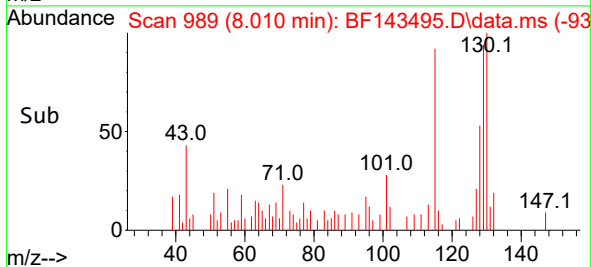
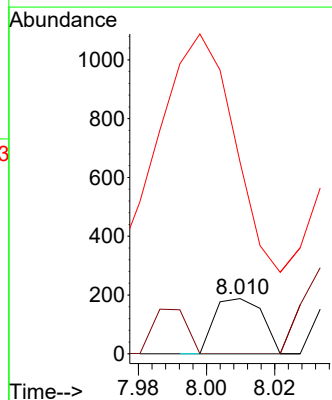
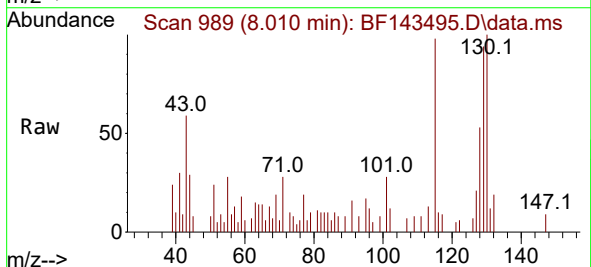
Instrument :
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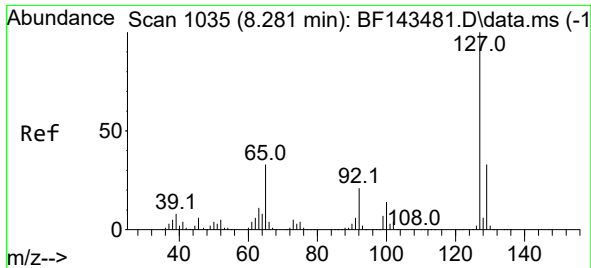
Tgt Ion:128 Resp: 199663
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 12.9 10.6 16.0



#32
Benzoic acid
Concen: 5.924 ng
RT: 8.010 min Scan# 989
Delta R.T. -0.000 min
Lab File: BF143495.D
Acq: 20 Aug 2025 20:08

Tgt Ion:122 Resp: 184
Ion Ratio Lower Upper
122 100
105 0.0 104.7 144.7#
77 346.8 77.3 117.3#

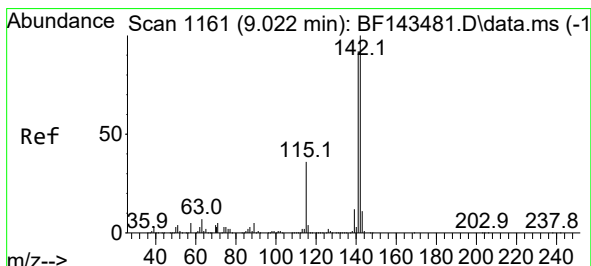
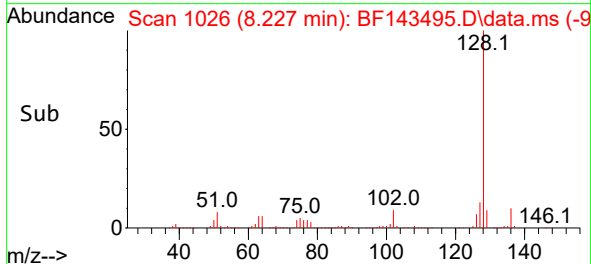
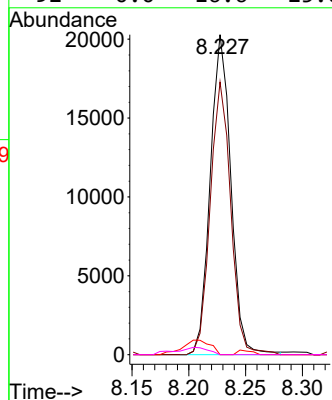
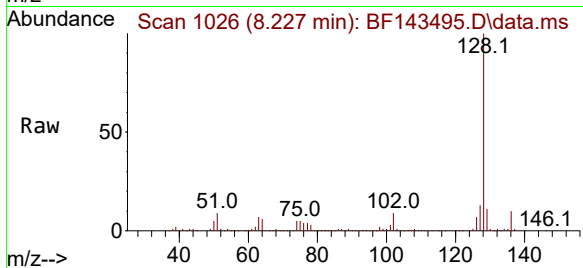




#33
4-Chloroaniline
Concen: 2.947 ng
RT: 8.227 min Scan# 1026
Delta R.T. -0.053 min
Lab File: BF143495.D
Acq: 20 Aug 2025 20:08

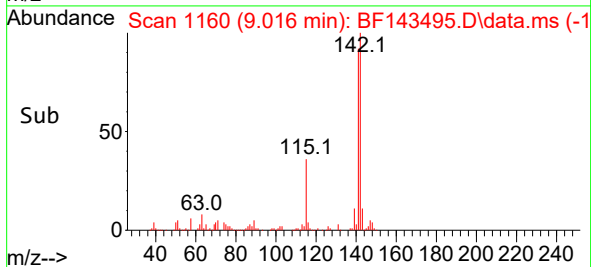
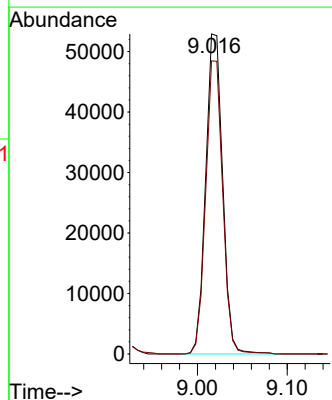
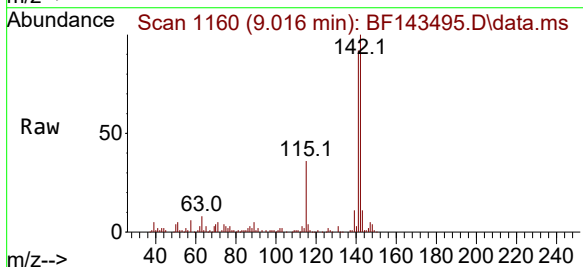
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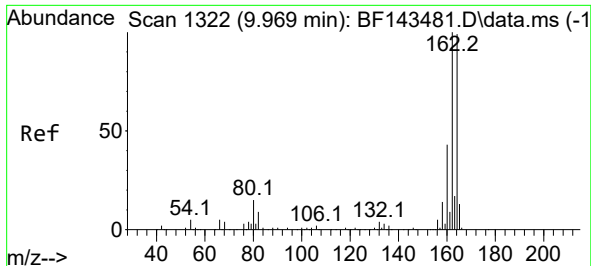
Tgt Ion:127	Resp:	25613
Ion	Ratio	Lower Upper
127	100	
129	85.2	26.1 39.1#
65	0.0	26.2 39.2#
92	0.0	16.6 25.0#



#38
1-Methylnaphthalene
Concen: 4.451 ng
RT: 9.016 min Scan# 1160
Delta R.T. -0.012 min
Lab File: BF143495.D
Acq: 20 Aug 2025 20:08

Tgt Ion:142	Resp:	69637
Ion	Ratio	Lower Upper
142	100	
141	91.6	73.3 109.9

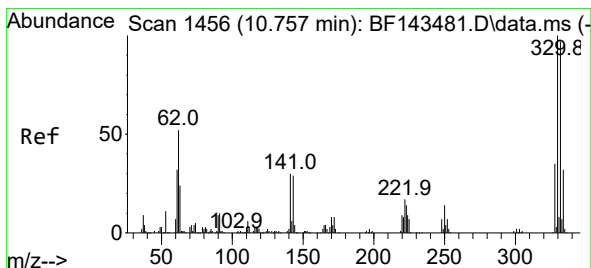
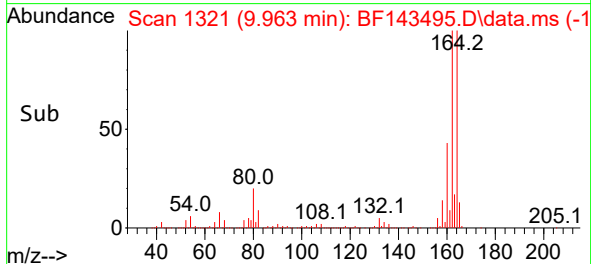
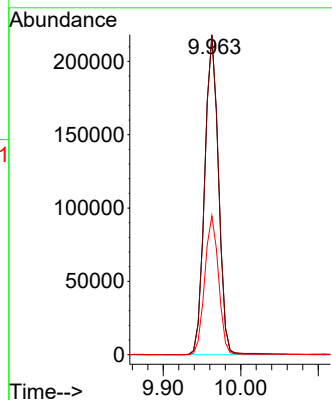
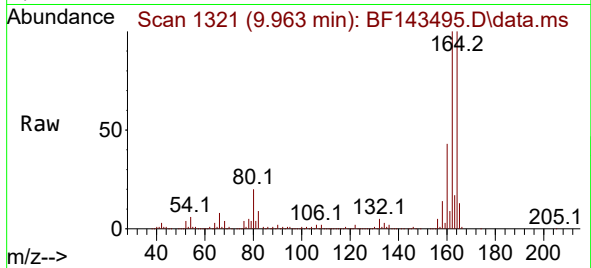




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143495.D
Acq: 20 Aug 2025 20:08

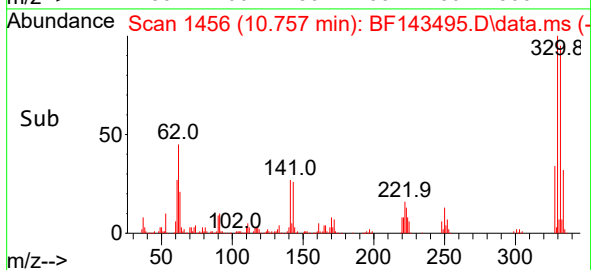
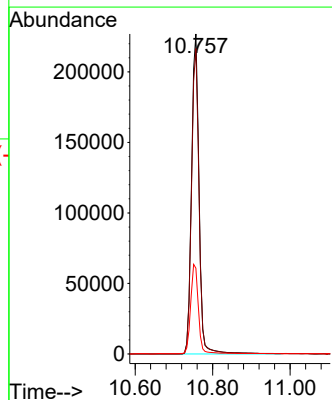
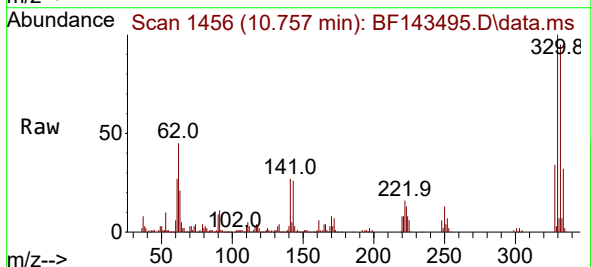
Instrument :
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MW-11B-081825

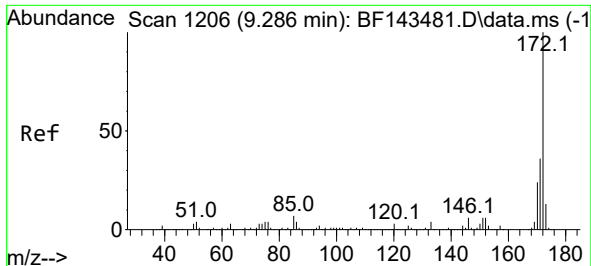
Tgt Ion:164 Resp: 268416
Ion Ratio Lower Upper
164 100
162 100.4 80.5 120.7
160 43.6 34.3 51.5



#42
2,4,6-Tribromophenol
Concen: 122.477 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF143495.D
Acq: 20 Aug 2025 20:08

Tgt Ion:330 Resp: 306015
Ion Ratio Lower Upper
330 100
332 95.8 78.0 117.0
141 28.5 23.7 35.5





#45

2-Fluorobiphenyl

Concen: 80.618 ng

RT: 9.280 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143495.D

Acq: 20 Aug 2025 20:08

Instrument :

BNA_F

ClientSampleId :

MW-11B-081825

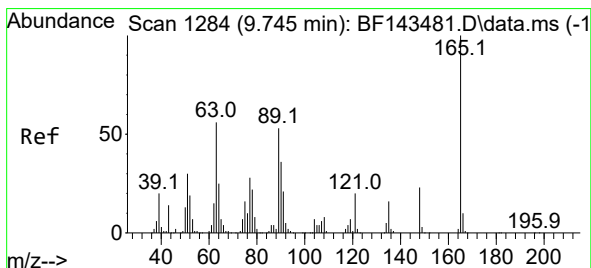
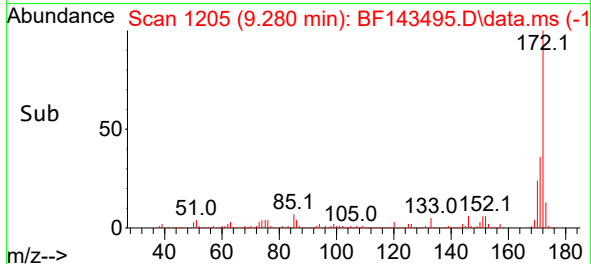
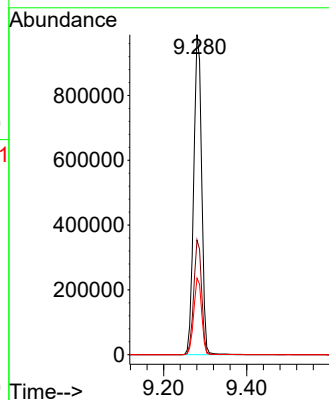
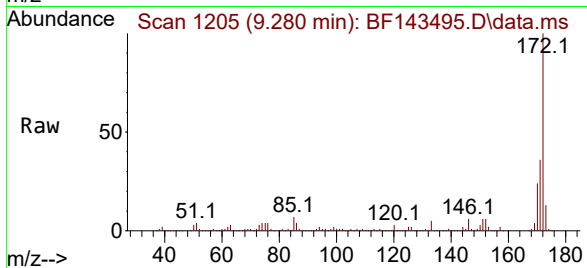
Tgt Ion:172 Resp: 1309348

Ion Ratio Lower Upper

172 100

171 35.9 28.8 43.2

170 23.9 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 10.565 ng

RT: 9.963 min Scan# 1321

Delta R.T. 0.211 min

Lab File: BF143495.D

Acq: 20 Aug 2025 20:08

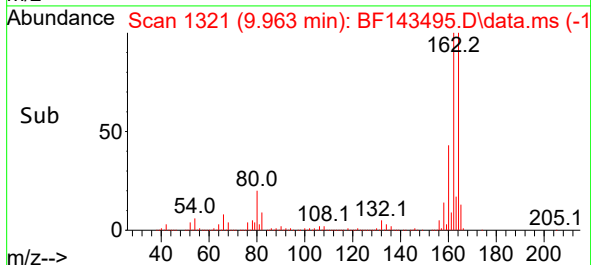
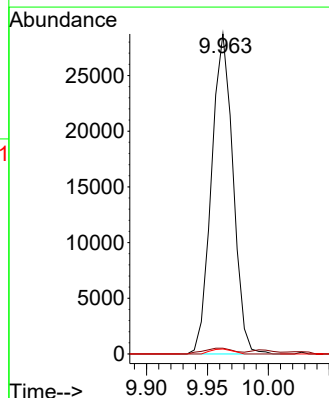
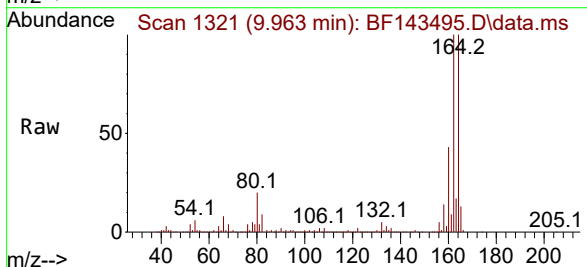
Tgt Ion:165 Resp: 35398

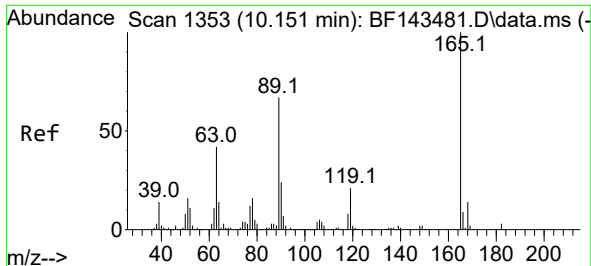
Ion Ratio Lower Upper

165 100

63 1.8 45.0 67.6#

89 1.6 42.5 63.7#

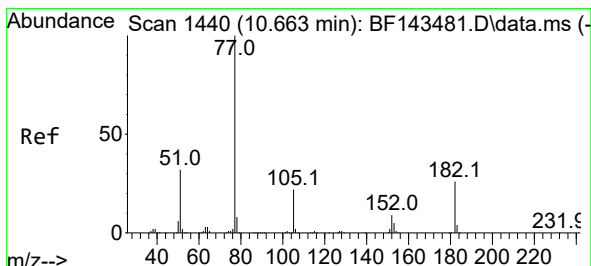
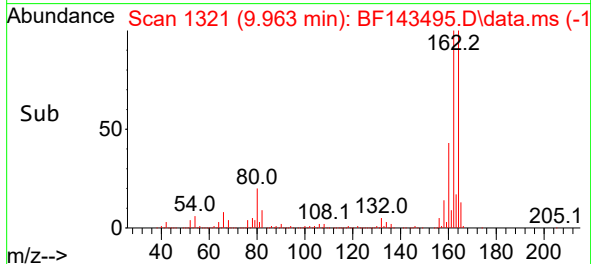
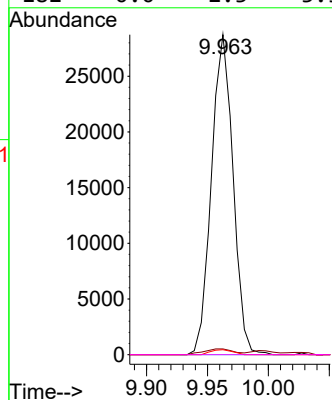
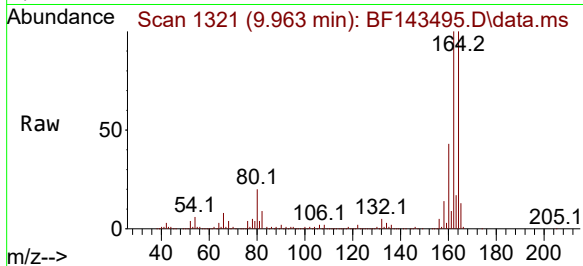




#57
2,4-Dinitrotoluene
Concen: 7.912 ng
RT: 9.963 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF143495.D
Acq: 20 Aug 2025 20:08

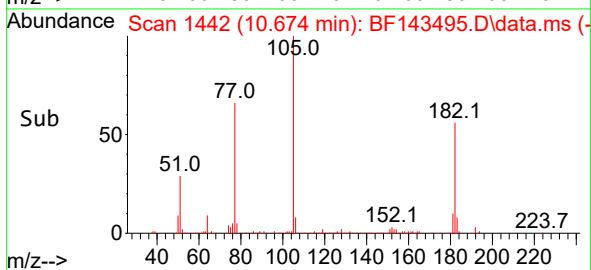
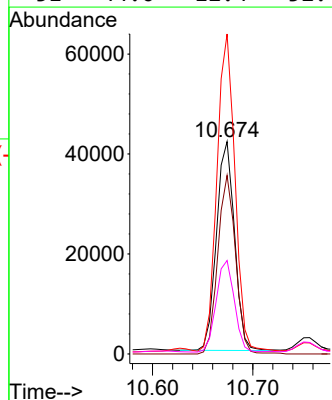
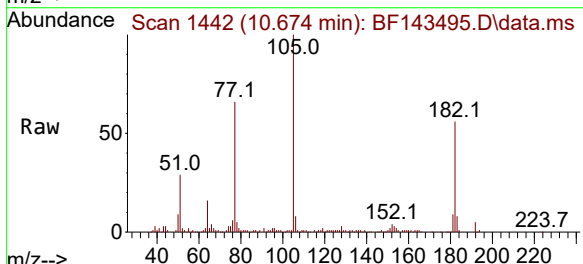
Instrument :
BNA_F
ClientSampleId :
MW-11B-081825

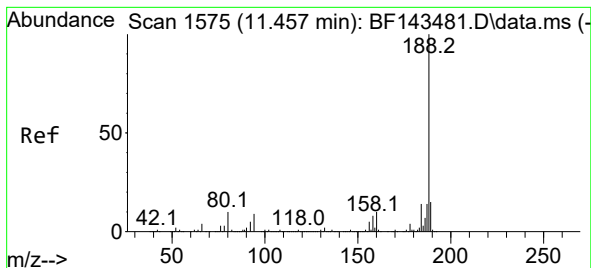
Tgt Ion:165	Resp:	35398
Ion Ratio	Lower	Upper
165	100	
63	1.8	34.9 52.3#
89	1.6	53.3 79.9#
182	0.0	2.3 3.5#



#63
Azobenzene
Concen: 3.478 ng
RT: 10.674 min Scan# 1442
Delta R.T. 0.006 min
Lab File: BF143495.D
Acq: 20 Aug 2025 20:08

Tgt Ion: 77	Resp:	52270
Ion Ratio	Lower	Upper
77	100	
182	84.1	6.2 46.2#
105	150.7	2.2 42.2#
51	44.0	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: BF143495.D

Acq: 20 Aug 2025 20:08

Instrument :

BNA_F

ClientSampleId :

MW-11B-081825

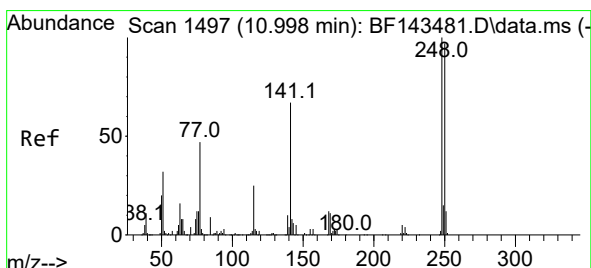
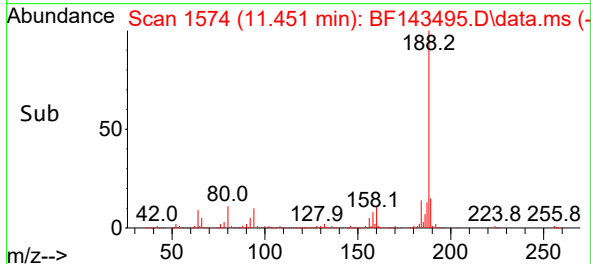
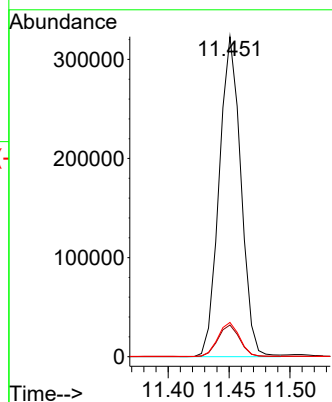
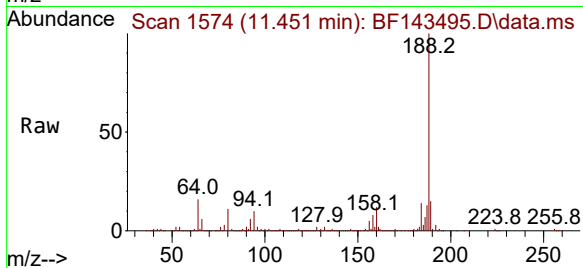
Tgt Ion:188 Resp: 401142

Ion Ratio Lower Upper

188 100

94 9.9 7.4 11.2

80 10.7 8.2 12.4



#67

4-Bromophenyl-phenylether

Concen: 4.194 ng

RT: 10.757 min Scan# 1456

Delta R.T. -0.241 min

Lab File: BF143495.D

Acq: 20 Aug 2025 20:08

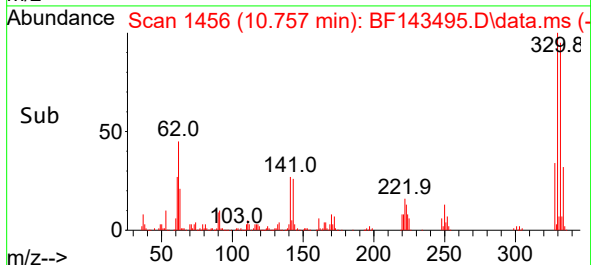
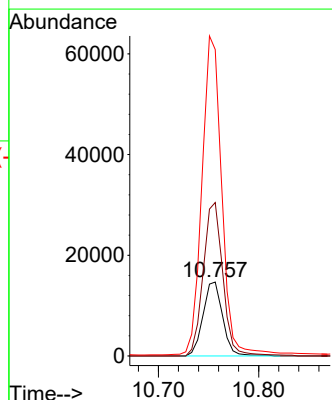
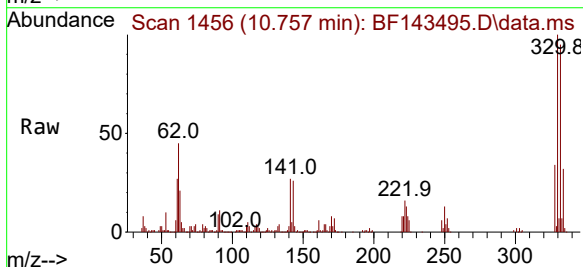
Tgt Ion:248 Resp: 20074

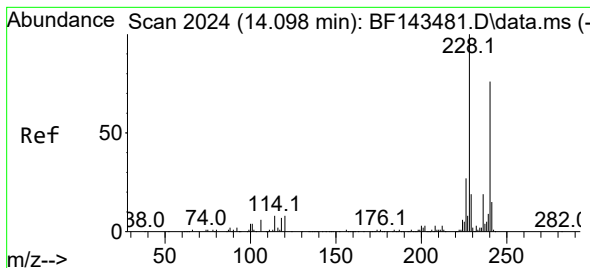
Ion Ratio Lower Upper

248 100

250 207.5 77.8 116.8#

141 414.2 54.0 81.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.098 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143495.D

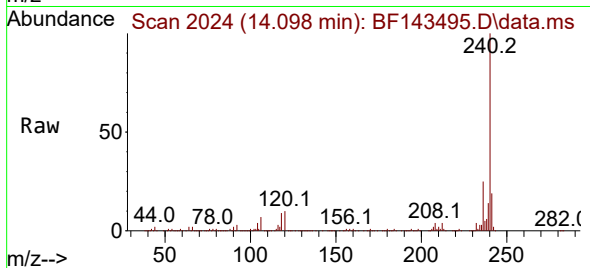
Acq: 20 Aug 2025 20:08

Instrument :

BNA_F

ClientSampleId :

MW-11B-081825



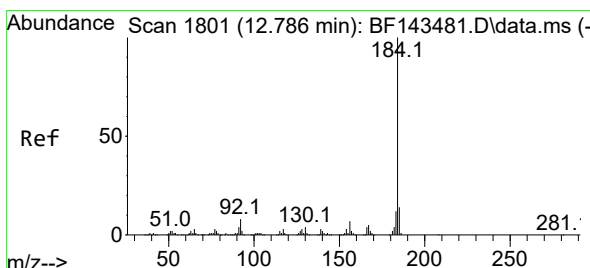
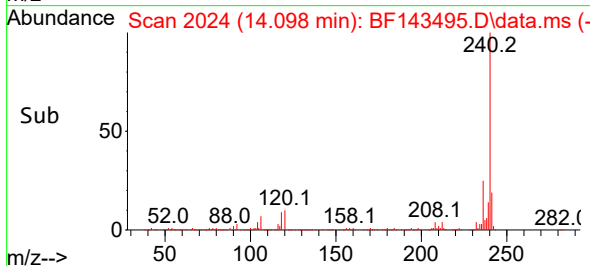
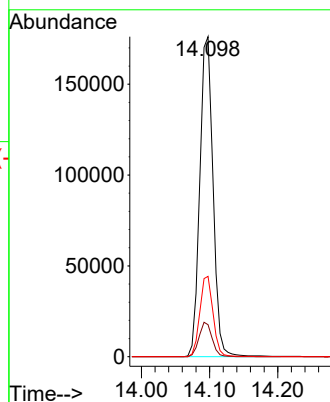
Tgt Ion:240 Resp: 238389

Ion Ratio Lower Upper

240 100

120 10.0 8.6 12.8

236 25.1 20.4 30.6



#77

Benidine

Concen: 2.439 ng

RT: 13.039 min Scan# 1844

Delta R.T. 0.253 min

Lab File: BF143495.D

Acq: 20 Aug 2025 20:08

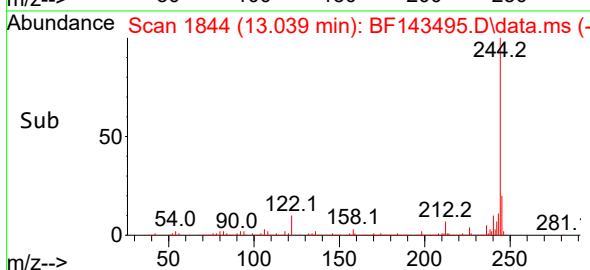
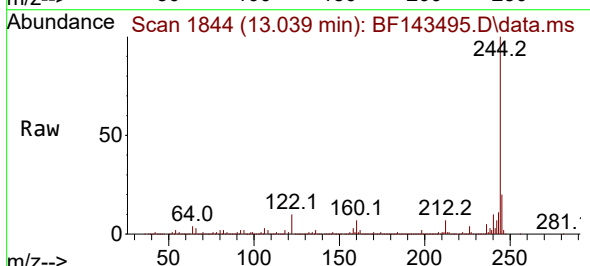
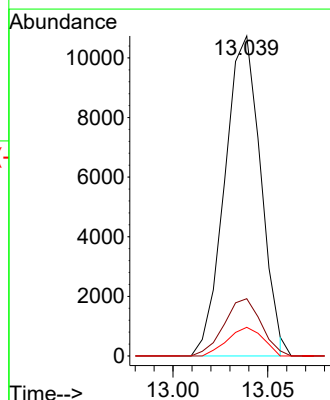
Tgt Ion:184 Resp: 14164

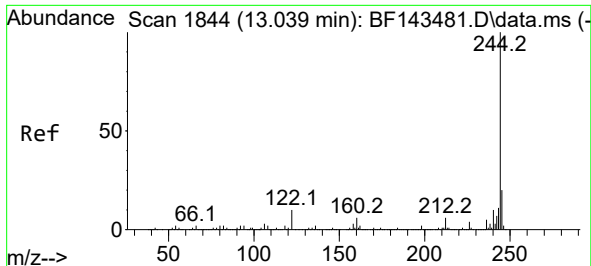
Ion Ratio Lower Upper

184 100

185 17.9 11.3 16.9#

183 9.0 9.5 14.3#

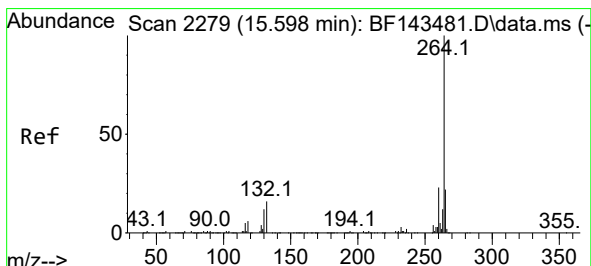
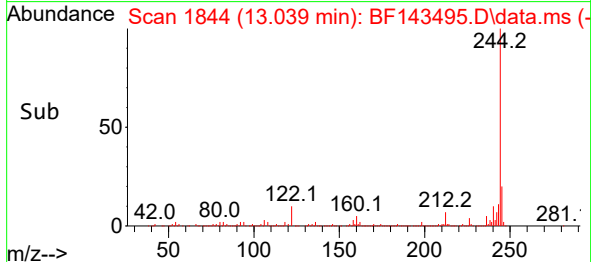
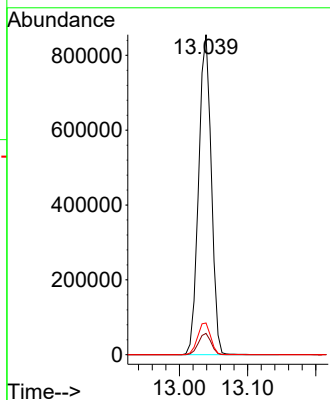
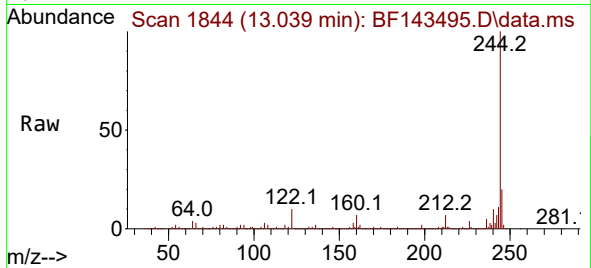




#79
 Terphenyl-d14
 Concen: 80.729 ng
 RT: 13.039 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF143495.D
 Acq: 20 Aug 2025 20:08

Instrument :
 BNA_F
 ClientSampleId :
 MW-11B-081825

Tgt Ion:244 Resp: 1102840
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.2 7.8
 122 9.9 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: BF143495.D
 Acq: 20 Aug 2025 20:08

Tgt Ion:264 Resp: 292027
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.7 28.1
 265 22.0 17.6 26.4

