

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143496.D
 Acq On : 20 Aug 2025 20:37
 Operator : RC/JU
 Sample : Q2900-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-17B-081825

Quant Time: Aug 21 02:06:15 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)

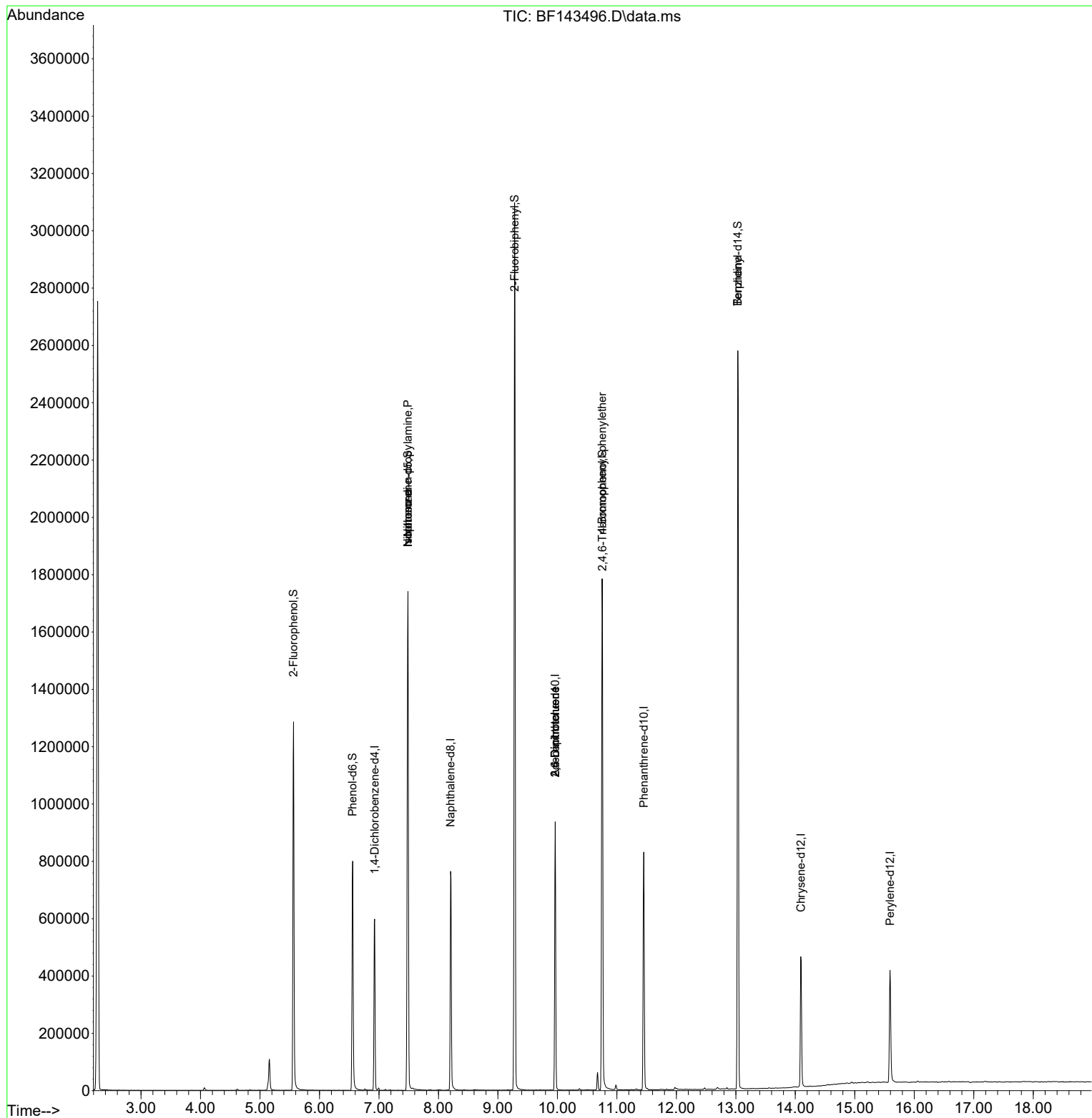
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	131839	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	507504	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	273837	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	429631	20.000	ng	0.00
76) Chrysene-d12	14.092	240	242165	20.000	ng	-0.01
86) Perylene-d12	15.592	264	249186	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	477249	63.210	ng	0.00
7) Phenol-d6	6.557	99	372176	39.932	ng	-0.02
23) Nitrobenzene-d5	7.487	82	813301	93.517	ng	-0.01
42) 2,4,6-Tribromophenol	10.757	330	327046	128.303	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	1391261	83.966	ng	0.00
79) Terphenyl-d14	13.033	244	1274725	91.857	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.487	70	109935	19.298	ng	# 79
25) Isophorone	7.487	82	792930	49.738	ng	# 65
51) 2,6-Dinitrotoluene	9.963	165	35574	10.407	ng	# 26
57) 2,4-Dinitrotoluene	9.963	165	35574	7.794	ng	# 26
67) 4-Bromophenyl-phenylether	10.751	248	21626	4.219	ng	# 1
77) Benzidine	13.033	184	15267	2.588	ng	# 92

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

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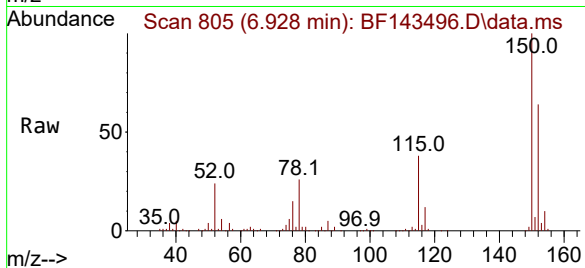
Quant Time: Aug 21 02:06:15 2025
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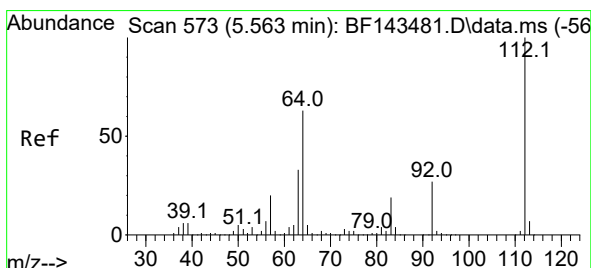
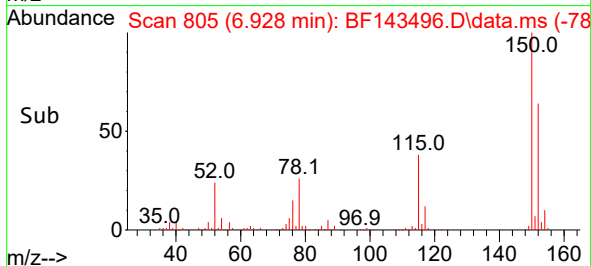
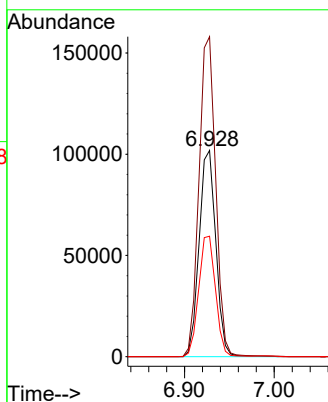


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143496.D
Acq: 20 Aug 2025 20:37

Instrument :
BNA_F
ClientSampleId :
MW-17B-081825

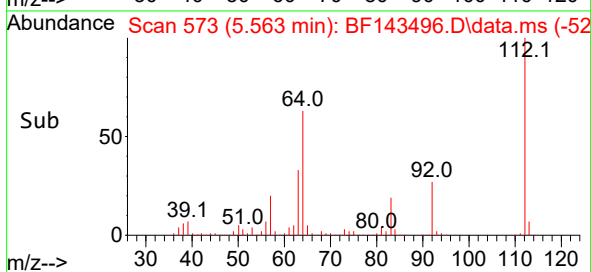
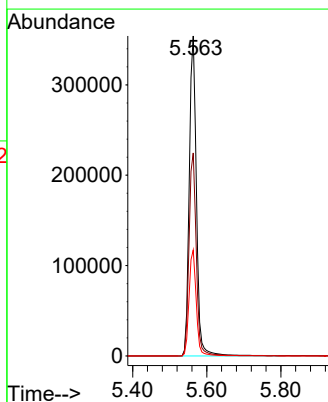
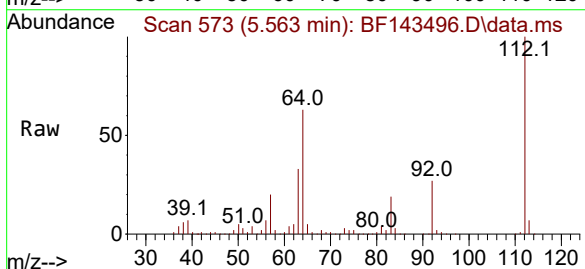


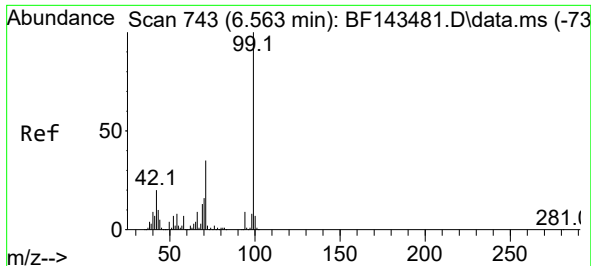
Tgt Ion:152 Resp: 131839
Ion Ratio Lower Upper
152 100
150 155.2 128.9 193.3
115 58.5 49.2 73.8



#5
2-Fluorophenol
Concen: 63.210 ng
RT: 5.563 min Scan# 573
Delta R.T. 0.000 min
Lab File: BF143496.D
Acq: 20 Aug 2025 20:37

Tgt Ion:112 Resp: 477249
Ion Ratio Lower Upper
112 100
64 63.4 50.4 75.6
63 33.1 26.4 39.6

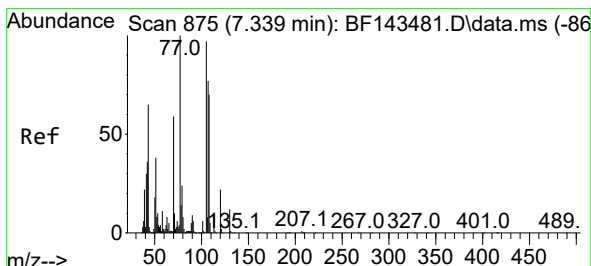
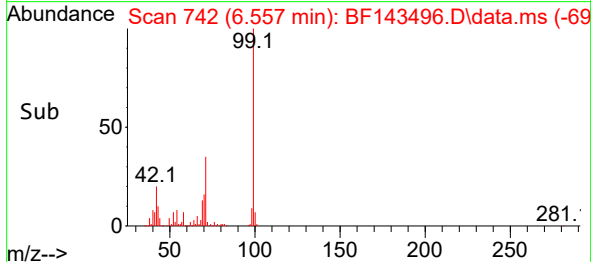
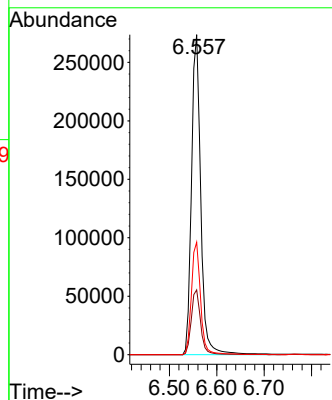
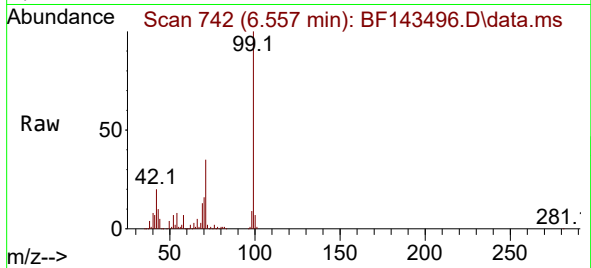




#7
Phenol-d6
Concen: 39.932 ng
RT: 6.557 min Scan# 743
Delta R.T. -0.018 min
Lab File: BF143496.D
Acq: 20 Aug 2025 20:37

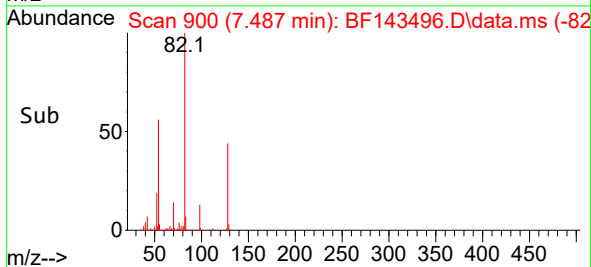
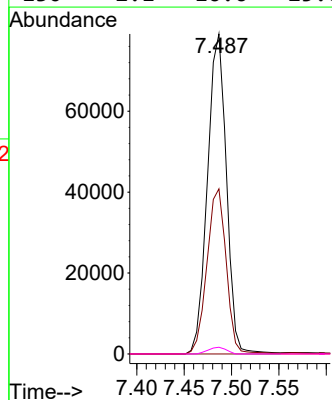
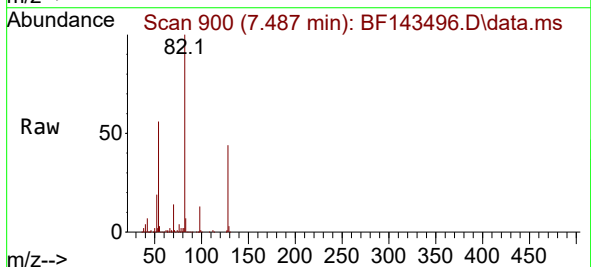
Instrument :
BNA_F
ClientSampleId :
MW-17B-081825

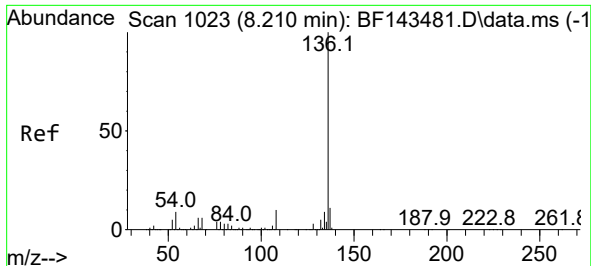
Tgt Ion: 99 Resp: 372176
Ion Ratio Lower Upper
99 100
42 20.3 16.3 24.5
71 35.2 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 19.298 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.135 min
Lab File: BF143496.D
Acq: 20 Aug 2025 20:37

Tgt Ion: 70 Resp: 109935
Ion Ratio Lower Upper
70 100
42 51.6 49.3 73.9
101 0.0 7.8 11.8#
130 2.1 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.204 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143496.D

Acq: 20 Aug 2025 20:37

Instrument :

BNA_F

ClientSampleId :

MW-17B-081825

Tgt Ion:136 Resp: 507504

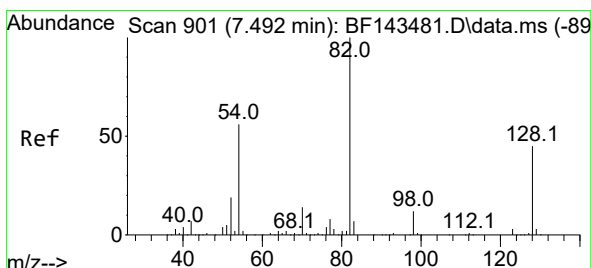
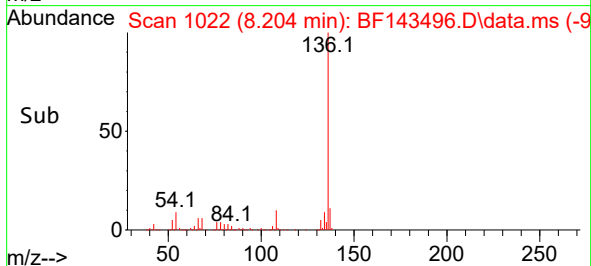
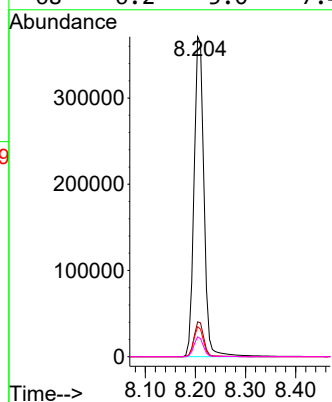
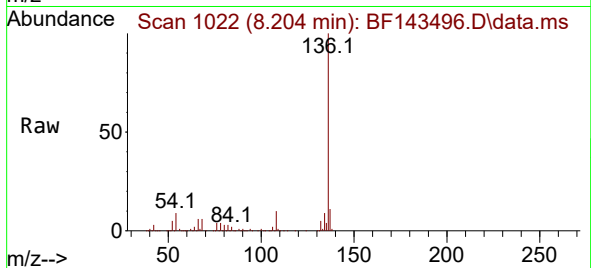
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 9.3 7.4 11.2

68 6.2 5.0 7.4



#23

Nitrobenzene-d5

Concen: 93.517 ng

RT: 7.487 min Scan# 900

Delta R.T. -0.012 min

Lab File: BF143496.D

Acq: 20 Aug 2025 20:37

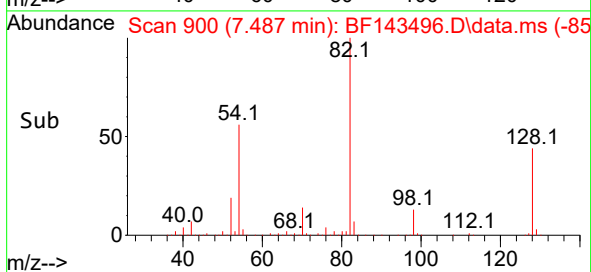
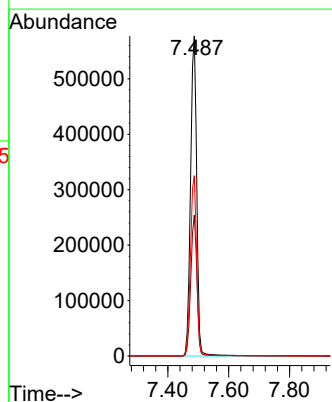
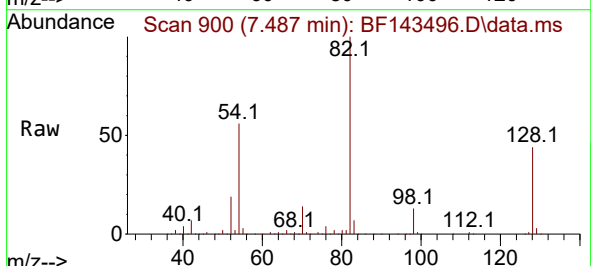
Tgt Ion: 82 Resp: 813301

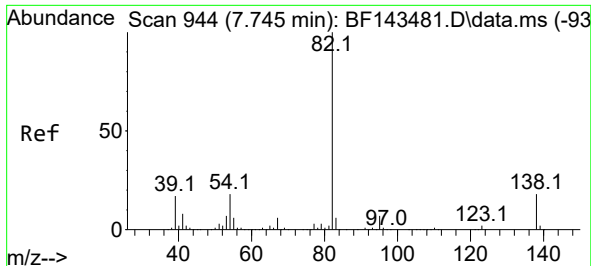
Ion Ratio Lower Upper

82 100

128 44.0 35.5 53.3

54 56.4 44.3 66.5

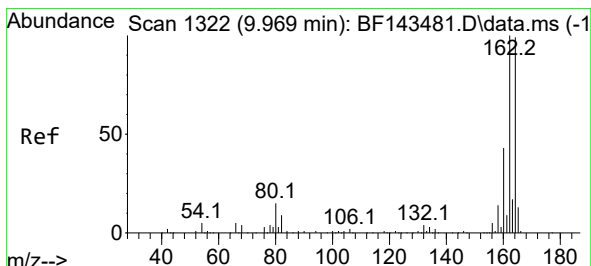
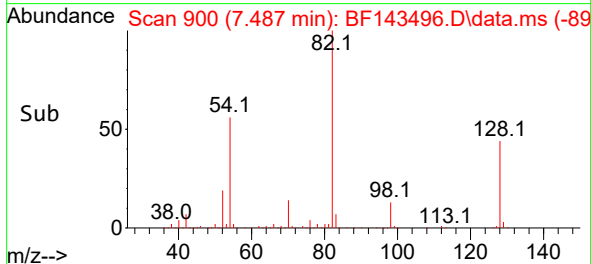
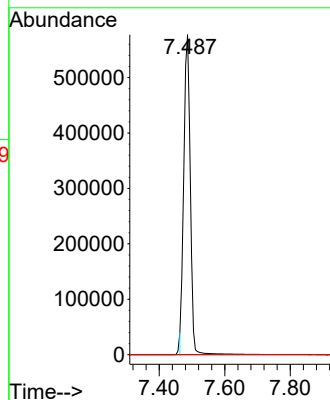
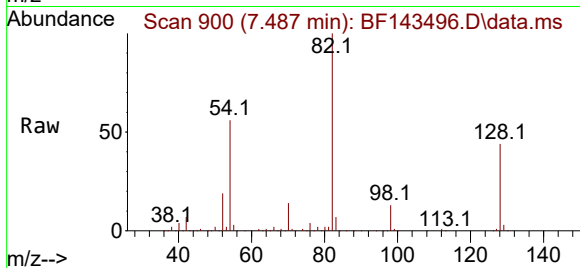




#25
Isophorone
Concen: 49.738 ng
RT: 7.487 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF143496.D
Acq: 20 Aug 2025 20:37

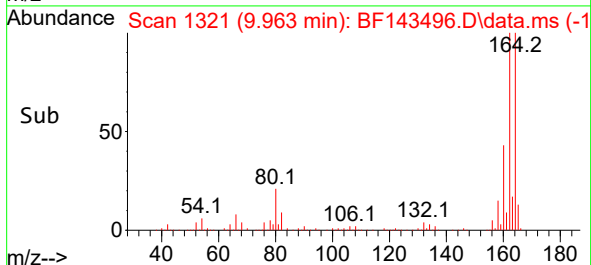
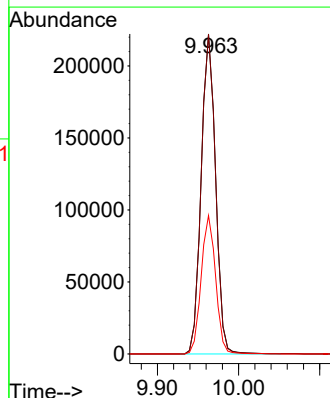
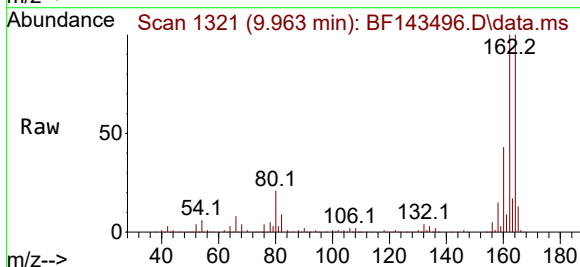
Instrument :
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ClientSampleId :
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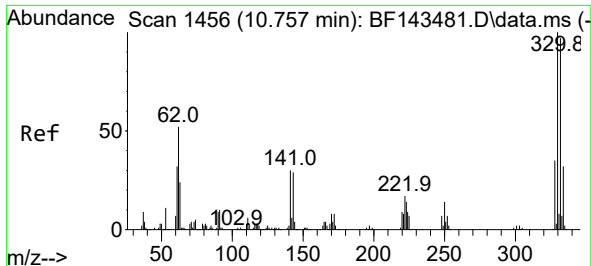
Tgt Ion: 82 Resp: 792930
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 14.2 21.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF143496.D
Acq: 20 Aug 2025 20:37

Tgt Ion:164 Resp: 273837
Ion Ratio Lower Upper
164 100
162 99.9 80.5 120.7
160 43.2 34.3 51.5





#42

2,4,6-Tribromophenol

Concen: 128.303 ng

RT: 10.757 min Scan# 1456

Delta R.T. -0.006 min

Lab File: BF143496.D

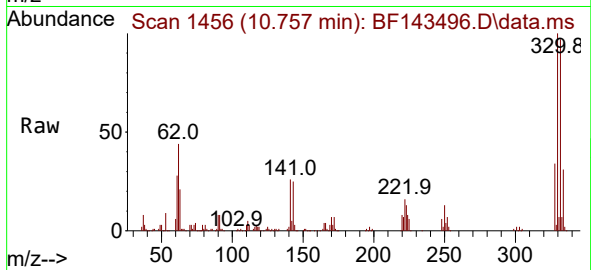
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Instrument :

BNA_F

ClientSampleId :

MW-17B-081825



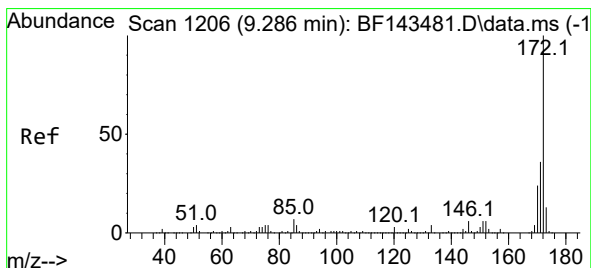
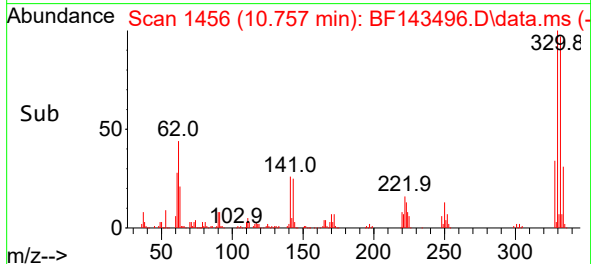
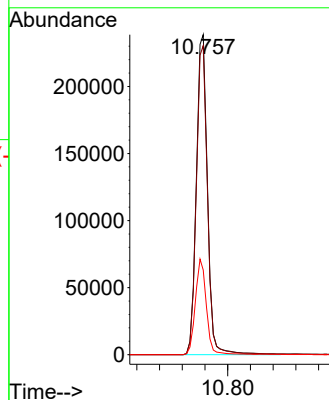
Tgt Ion:330 Resp: 327046

Ion Ratio Lower Upper

330 100

332 96.6 78.0 117.0

141 29.5 23.7 35.5



#45

2-Fluorobiphenyl

Concen: 83.966 ng

RT: 9.281 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF143496.D

Acq: 20 Aug 2025 20:37

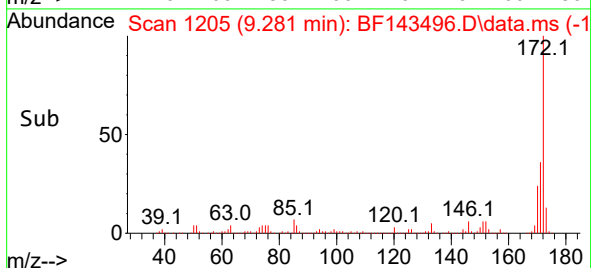
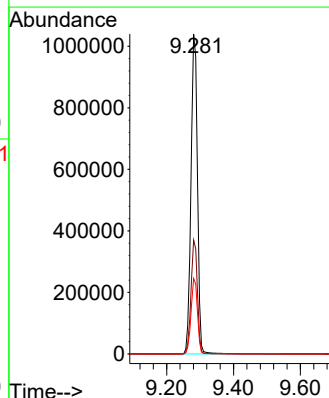
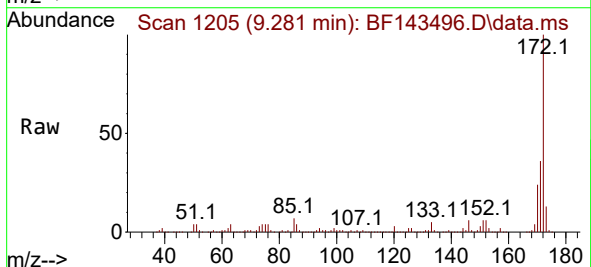
Tgt Ion:172 Resp: 1391261

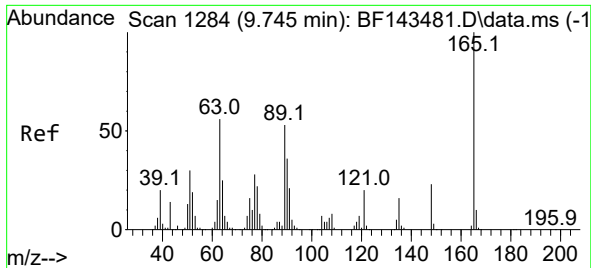
Ion Ratio Lower Upper

172 100

171 35.6 28.8 43.2

170 23.5 18.8 28.2

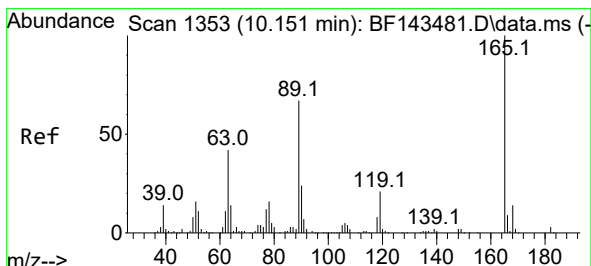
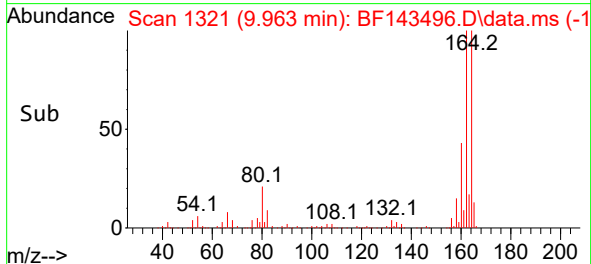
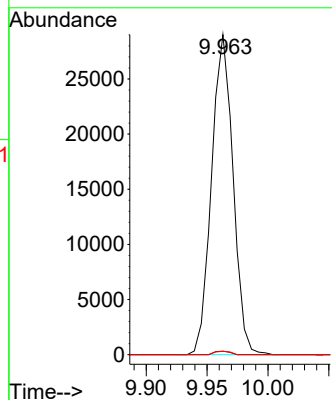
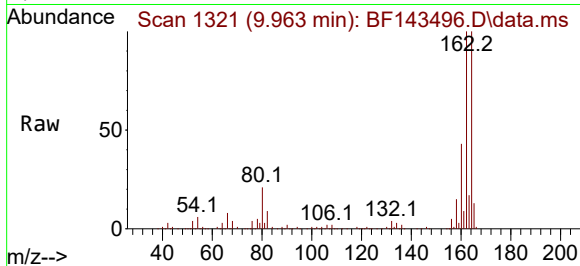




#51
2,6-Dinitrotoluene
Concen: 10.407 ng
RT: 9.963 min Scan# 1
Delta R.T. 0.212 min
Lab File: BF143496.D
Acq: 20 Aug 2025 20:37

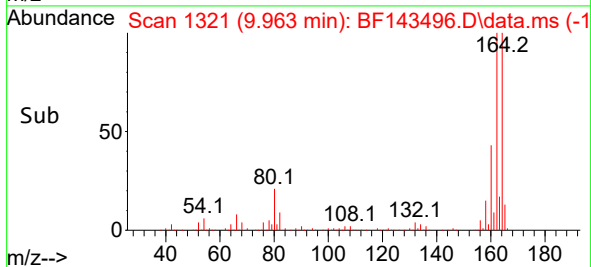
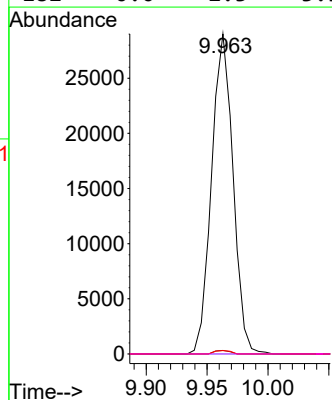
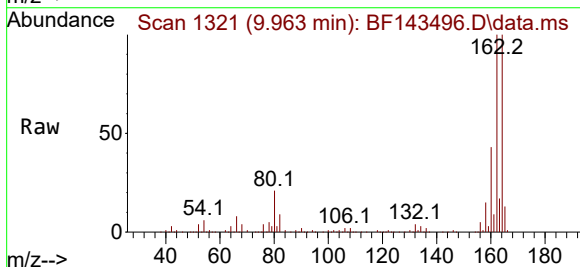
Instrument :
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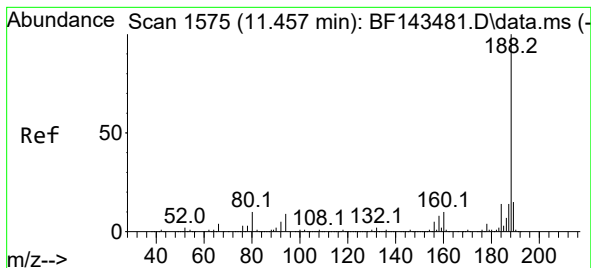
Tgt Ion:165 Resp: 35574
Ion Ratio Lower Upper
165 100
63 1.1 45.0 67.6#
89 1.1 42.5 63.7#



#57
2,4-Dinitrotoluene
Concen: 7.794 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.194 min
Lab File: BF143496.D
Acq: 20 Aug 2025 20:37

Tgt Ion:165 Resp: 35574
Ion Ratio Lower Upper
165 100
63 1.1 34.9 52.3#
89 1.1 53.3 79.9#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.451 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143496.D

Acq: 20 Aug 2025 20:37

Instrument :

BNA_F

ClientSampleId :

MW-17B-081825

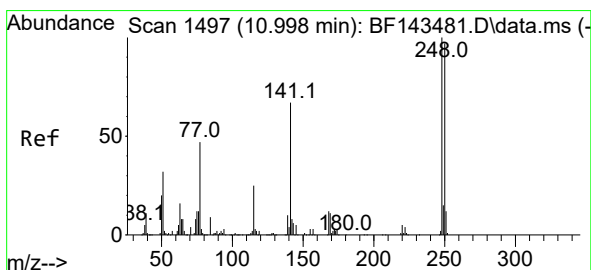
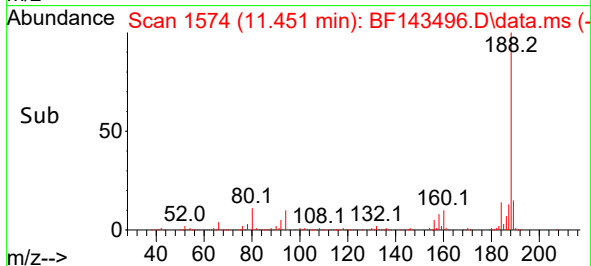
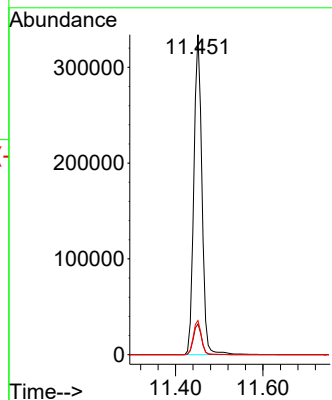
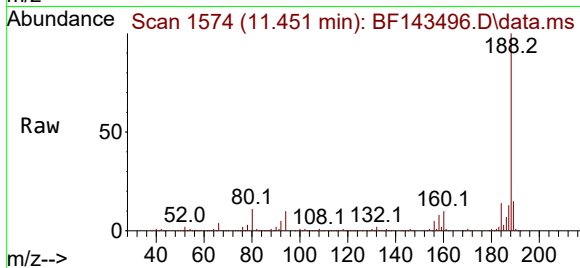
Tgt Ion:188 Resp: 429631

Ion Ratio Lower Upper

188 100

94 9.6 7.4 11.2

80 10.6 8.2 12.4



#67

4-Bromophenyl-phenylether

Concen: 4.219 ng

RT: 10.751 min Scan# 1455

Delta R.T. -0.247 min

Lab File: BF143496.D

Acq: 20 Aug 2025 20:37

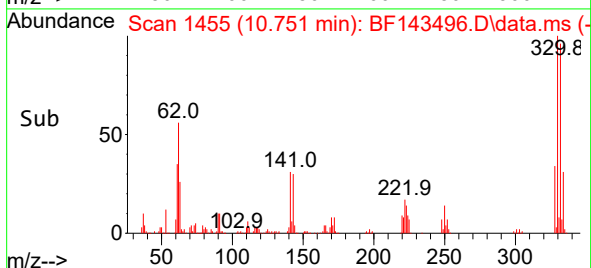
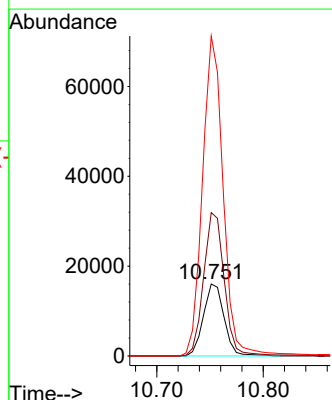
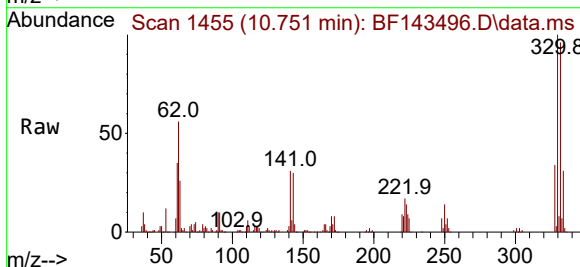
Tgt Ion:248 Resp: 21626

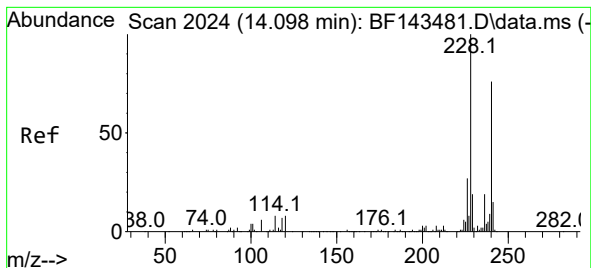
Ion Ratio Lower Upper

248 100

250 199.0 77.8 116.8#

141 444.2 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: BF143496.D

Acq: 20 Aug 2025 20:37

Instrument :

BNA_F

ClientSampleId :

MW-17B-081825

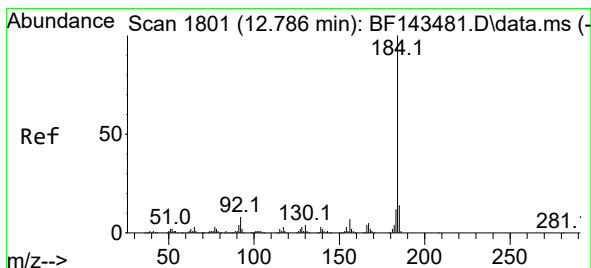
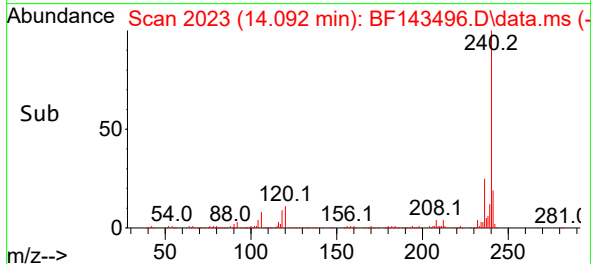
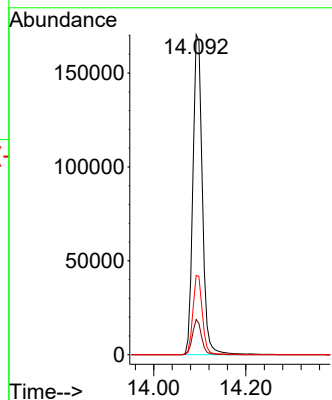
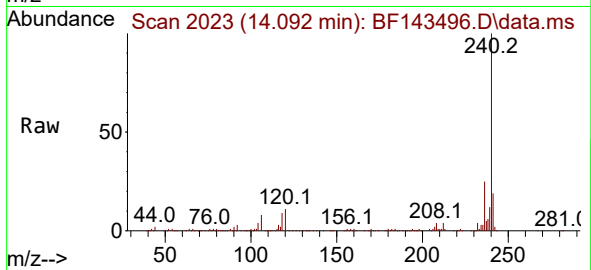
Tgt Ion:240 Resp: 242165

Ion Ratio Lower Upper

240 100

120 11.0 8.6 12.8

236 24.8 20.4 30.6



#77

Benidine

Concen: 2.588 ng

RT: 13.033 min Scan# 1843

Delta R.T. 0.247 min

Lab File: BF143496.D

Acq: 20 Aug 2025 20:37

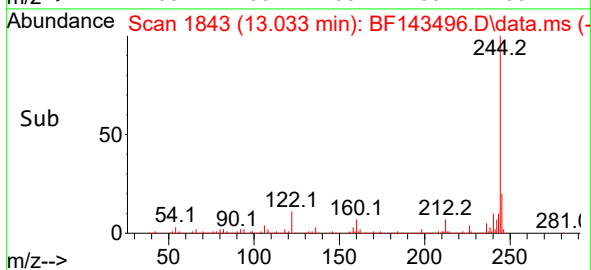
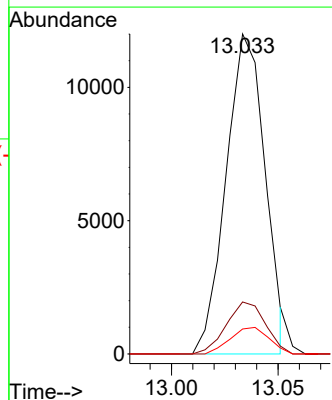
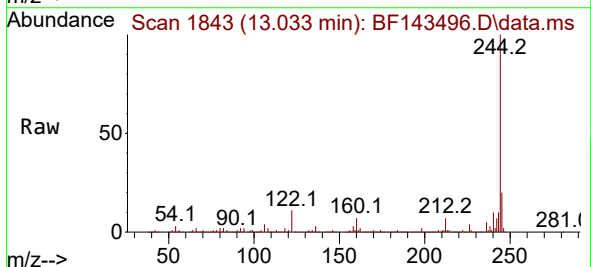
Tgt Ion:184 Resp: 15267

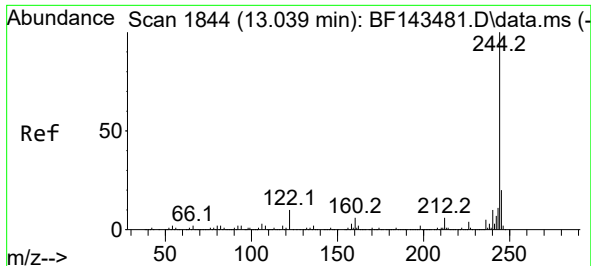
Ion Ratio Lower Upper

184 100

185 16.3 11.3 16.9

183 7.8 9.5 14.3#

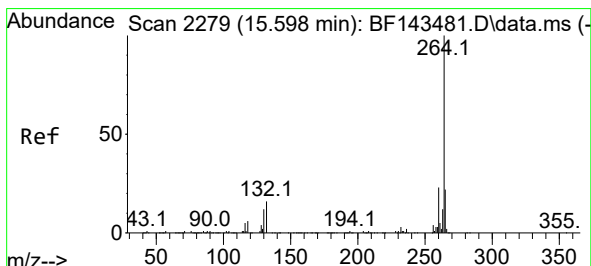
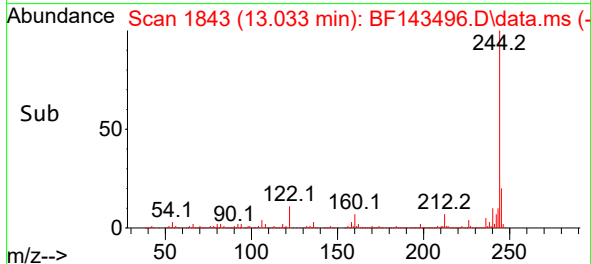
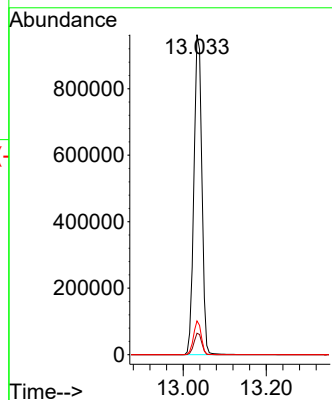
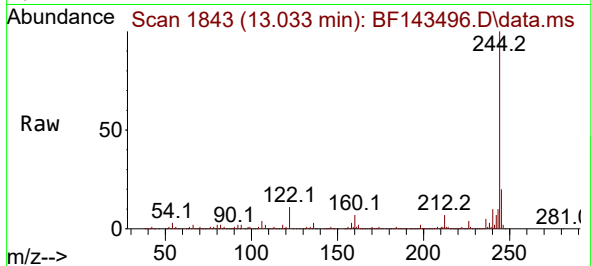




#79
 Terphenyl-d14
 Concen: 91.857 ng
 RT: 13.033 min Scan# 1844
 Delta R.T. -0.006 min
 Lab File: BF143496.D
 Acq: 20 Aug 2025 20:37

Instrument :
 BNA_F
 ClientSampleId :
 MW-17B-081825

Tgt Ion:244 Resp: 1274725
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.2 7.8
 122 10.6 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: BF143496.D
 Acq: 20 Aug 2025 20:37

Tgt Ion:264 Resp: 249186
 Ion Ratio Lower Upper
 264 100
 260 24.1 18.7 28.1
 265 21.7 17.6 26.4

