

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110625\
 Data File : BF144195.D
 Acq On : 06 Nov 2025 18:53
 Operator : RC/JU
 Sample : Q3532-08
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Quant Time: Nov 07 00:02:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

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

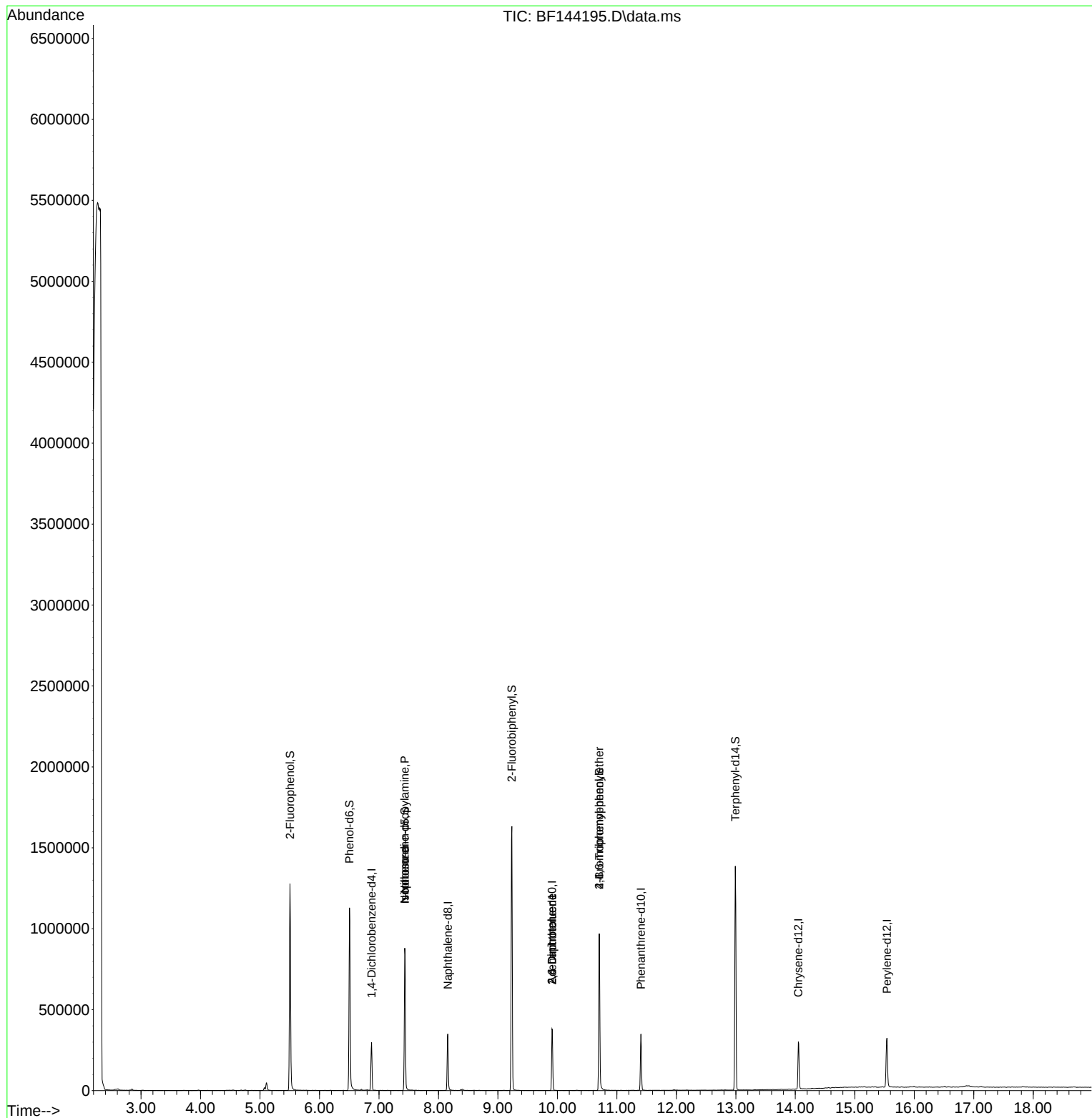
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	63921	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	234822	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	123308	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	195880	20.000	ng	0.00
76) Chrysene-d12	14.051	240	159923	20.000	ng	0.00
86) Perylene-d12	15.539	264	203860	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	487872	119.438	ng	0.01
7) Phenol-d6	6.504	99	514000	111.055	ng	0.00
23) Nitrobenzene-d5	7.434	82	379302	93.290	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	203573	131.560	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	789597	94.575	ng	0.00
79) Terphenyl-d14	12.992	244	738226	73.323	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	57223	18.781	ng	# 79
25) Isophorone	7.434	82	379297	49.320	ng	# 66
51) 2,6-Dinitrotoluene	9.910	165	16183	9.786	ng	# 28
57) 2,4-Dinitrotoluene	9.910	165	16183	7.310	ng	# 28
67) 4-Bromophenyl-phenylether	10.704	248	11145	4.458	ng	# 1

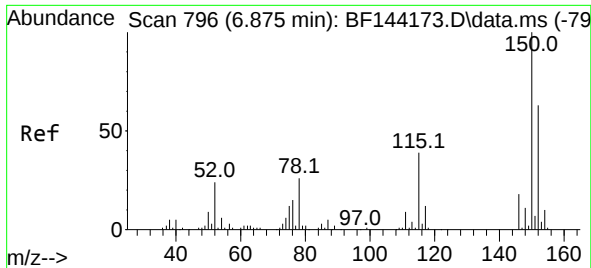
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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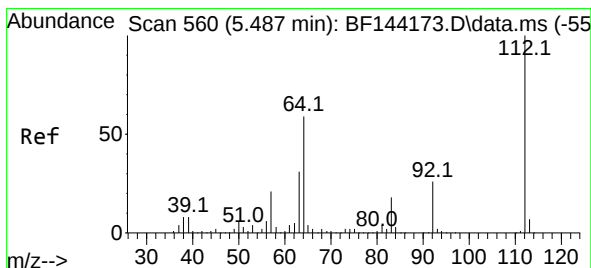
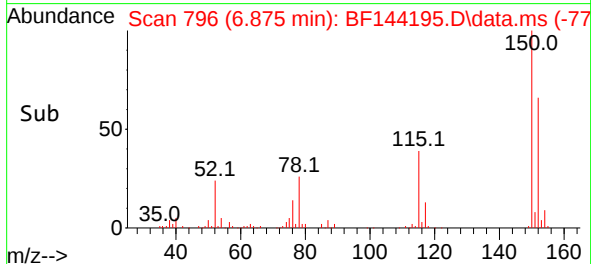
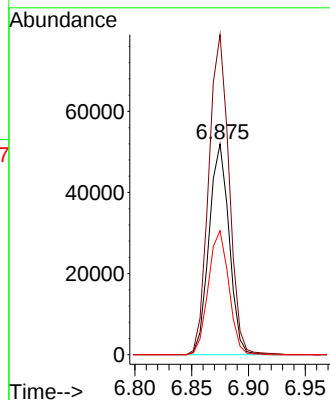
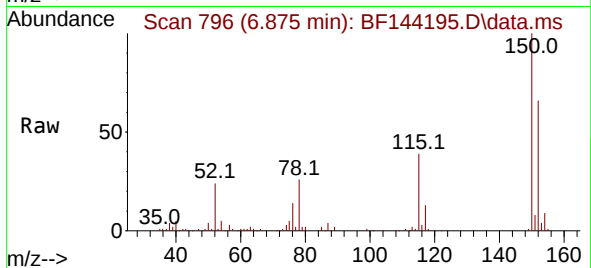




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 796
 Delta R.T. -0.000 min
 Lab File: BF144195.D
 Acq: 06 Nov 2025 18:53

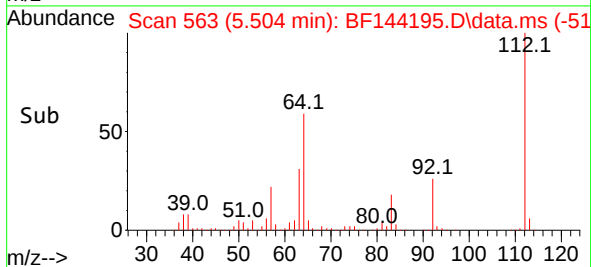
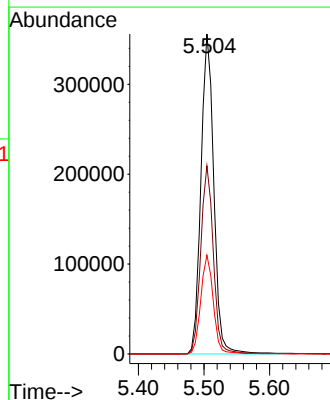
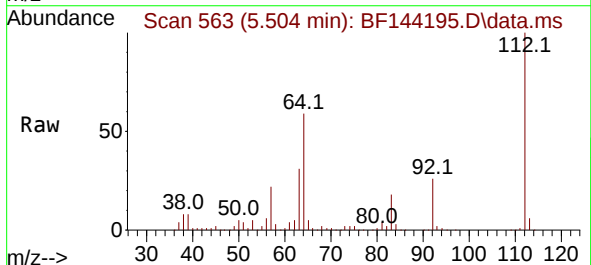
Instrument :
 BNA_F
 ClientSampleId :
 TP-2

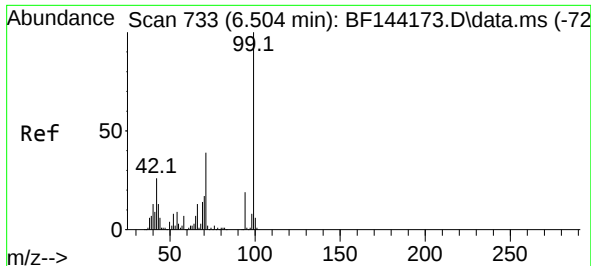
Tgt Ion:152 Resp: 63921
 Ion Ratio Lower Upper
 152 100
 150 151.8 127.4 191.0
 115 58.8 49.5 74.3



#5
 2-Fluorophenol
 Concen: 119.438 ng
 RT: 5.504 min Scan# 563
 Delta R.T. 0.012 min
 Lab File: BF144195.D
 Acq: 06 Nov 2025 18:53

Tgt Ion:112 Resp: 487872
 Ion Ratio Lower Upper
 112 100
 64 58.8 47.2 70.8
 63 30.9 24.4 36.6

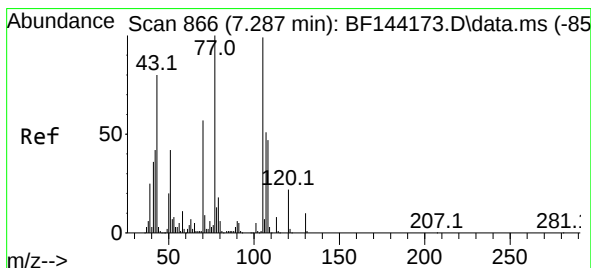
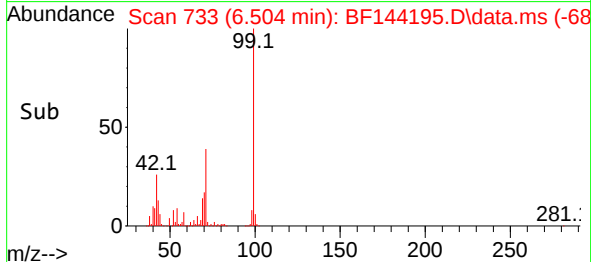
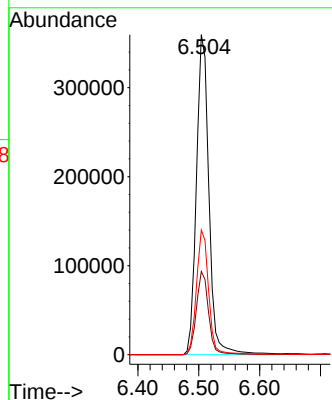
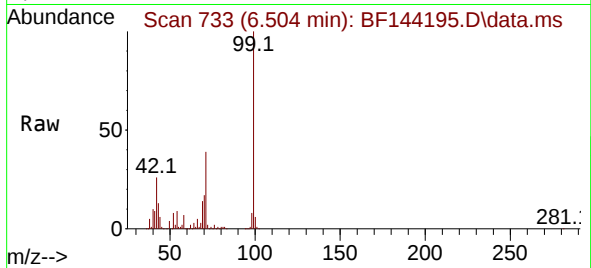




#7
Phenol-d6
Concen: 111.055 ng
RT: 6.504 min Scan# 714
Delta R.T. 0.006 min
Lab File: BF144195.D
Acq: 06 Nov 2025 18:53

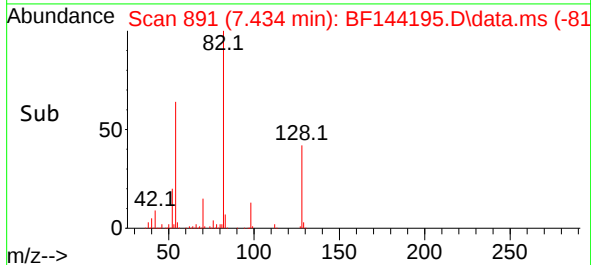
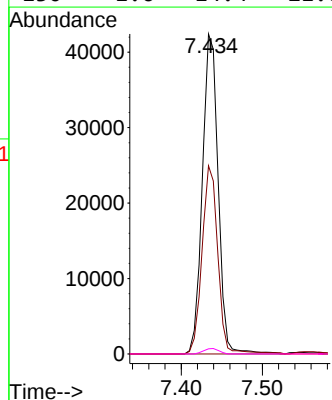
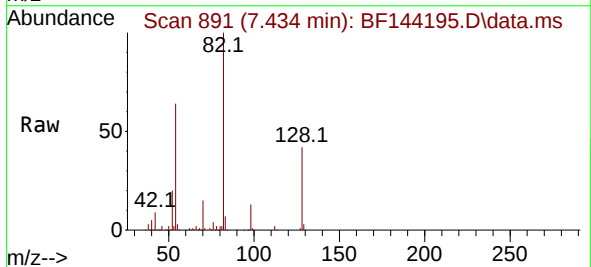
Instrument :
BNA_F
ClientSampleId :
TP-2

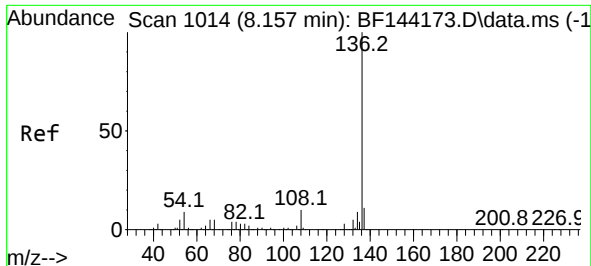
Tgt Ion: 99 Resp: 514000
Ion Ratio Lower Upper
99 100
42 26.0 20.9 31.3
71 39.0 31.4 47.2



#19
n-Nitroso-di-n-propylamine
Concen: 18.781 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.159 min
Lab File: BF144195.D
Acq: 06 Nov 2025 18:53

Tgt Ion: 70 Resp: 57223
Ion Ratio Lower Upper
70 100
42 58.8 58.3 87.5
101 0.0 7.0 10.6#
130 1.6 14.4 21.6#



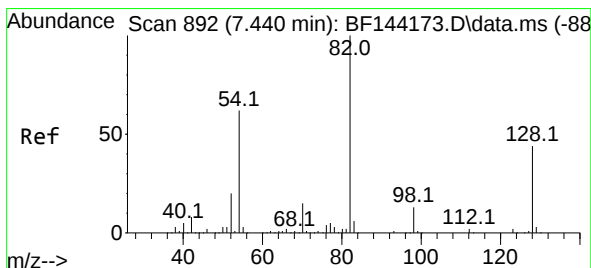
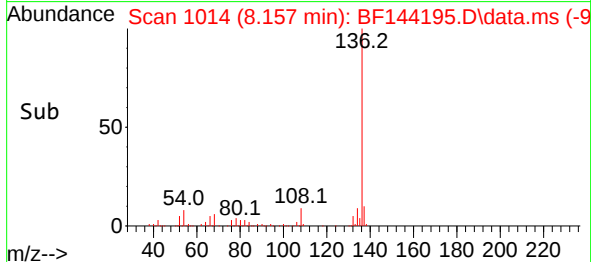
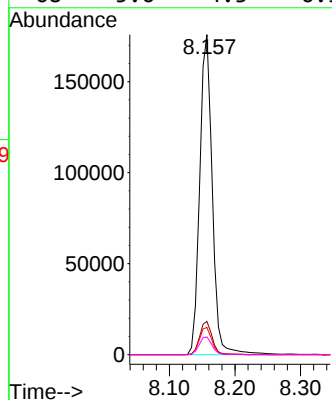
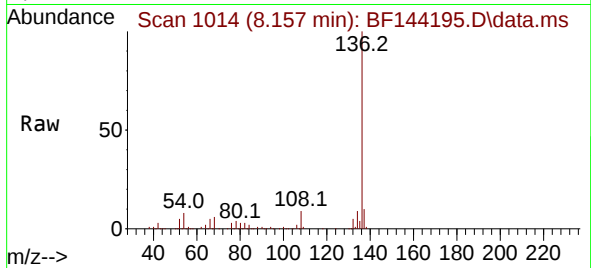


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.000 min
Lab File: BF144195.D
Acq: 06 Nov 2025 18:53

Instrument :
BNA_F
ClientSampleId :
TP-2

Tgt Ion:136 Resp: 234822

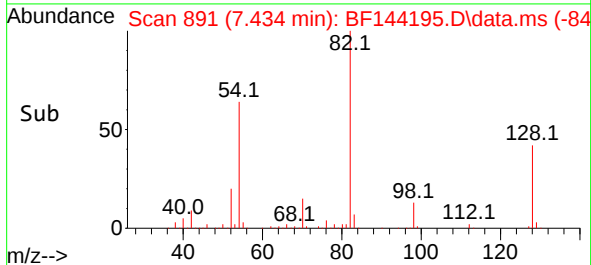
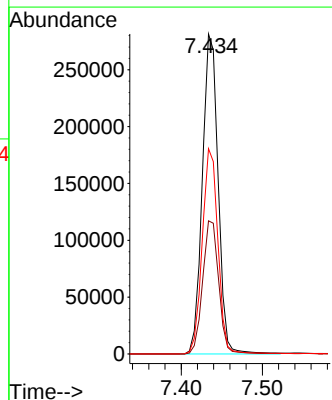
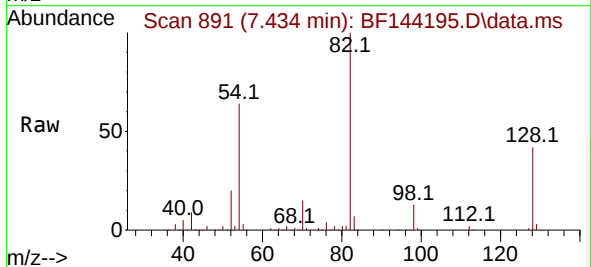
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.6	13.0
54	8.5	7.0	10.6
68	5.6	4.3	6.5

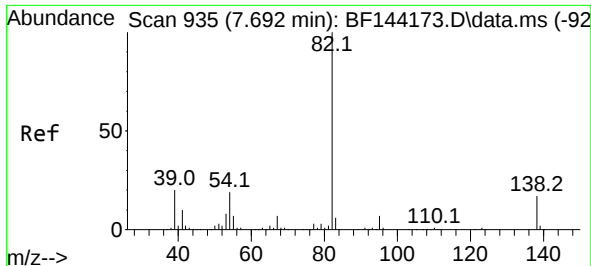


#23
Nitrobenzene-d5
Concen: 93.290 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.000 min
Lab File: BF144195.D
Acq: 06 Nov 2025 18:53

Tgt Ion: 82 Resp: 379302

Ion	Ratio	Lower	Upper
82	100		
128	41.6	34.7	52.1
54	64.1	49.5	74.3

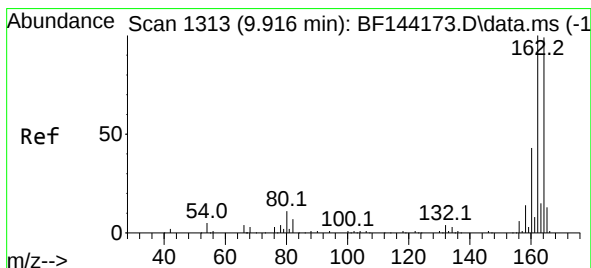
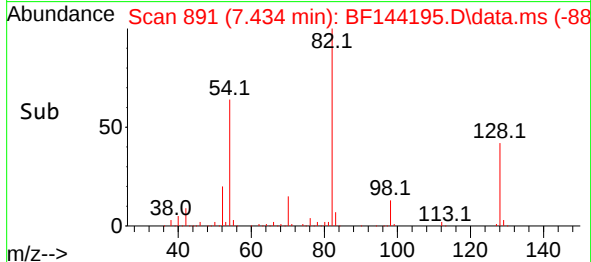
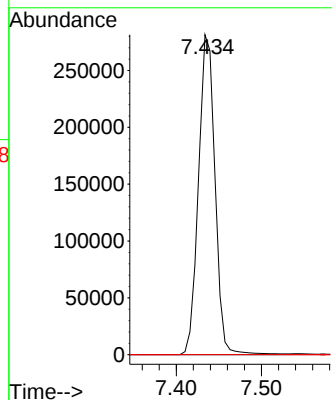
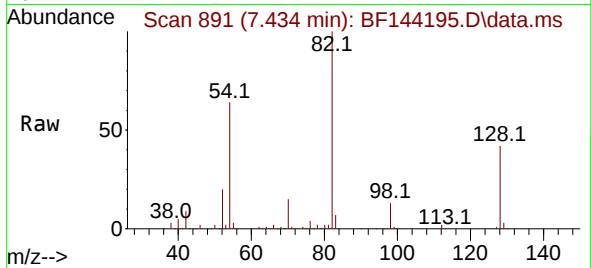




#25
Isophorone
Concen: 49.320 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.253 min
Lab File: BF144195.D
Acq: 06 Nov 2025 18:53

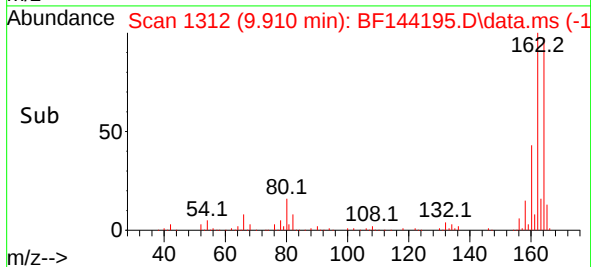
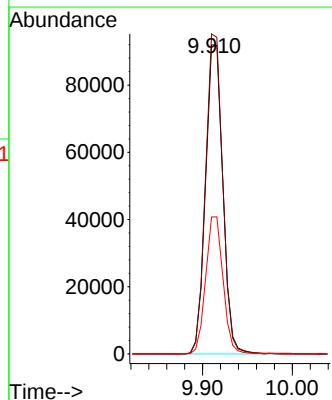
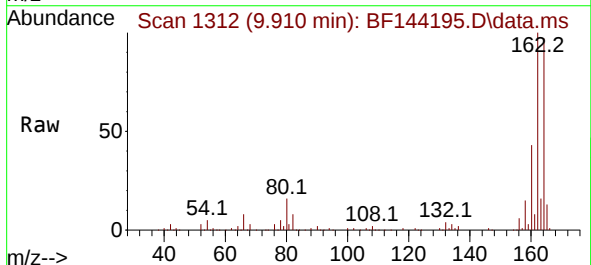
Instrument :
BNA_F
ClientSampleId :
TP-2

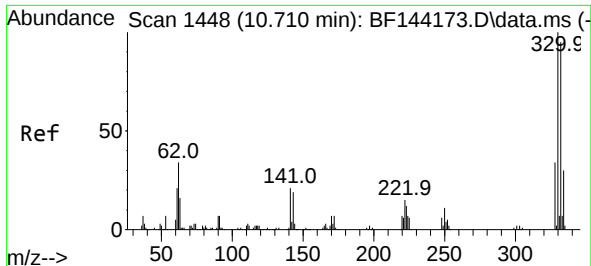
Tgt Ion: 82 Resp: 379297
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.006 min
Lab File: BF144195.D
Acq: 06 Nov 2025 18:53

Tgt Ion:164 Resp: 123308
Ion Ratio Lower Upper
164 100
162 103.5 81.1 121.7
160 44.3 34.5 51.7

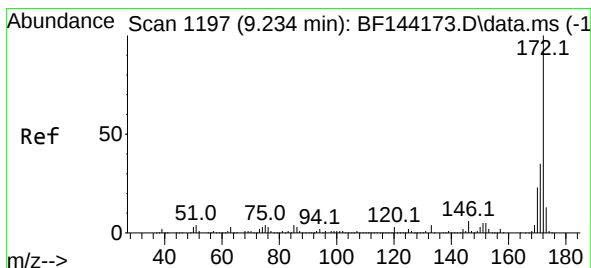
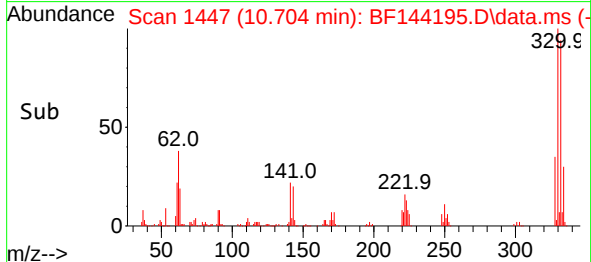
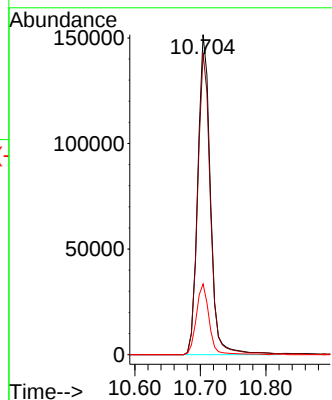
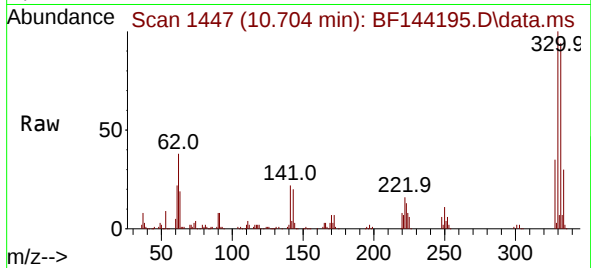




#42
2,4,6-Tribromophenol
Concen: 131.560 ng
RT: 10.704 min Scan# 1448
Delta R.T. -0.000 min
Lab File: BF144195.D
Acq: 06 Nov 2025 18:53

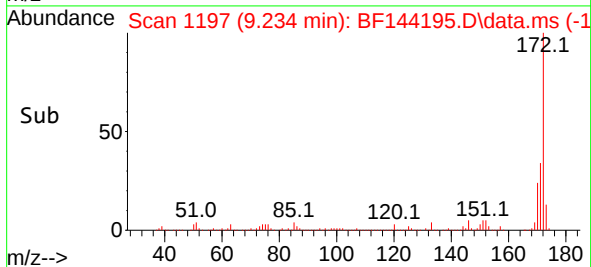
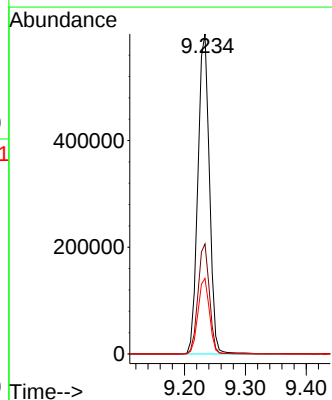
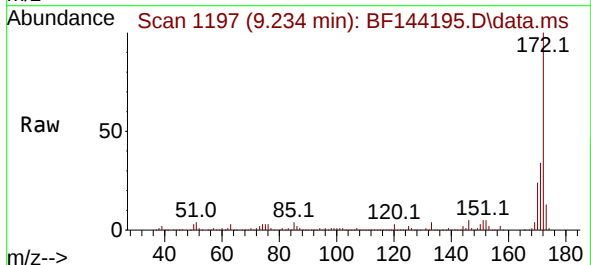
Instrument :
BNA_F
ClientSampleId :
TP-2

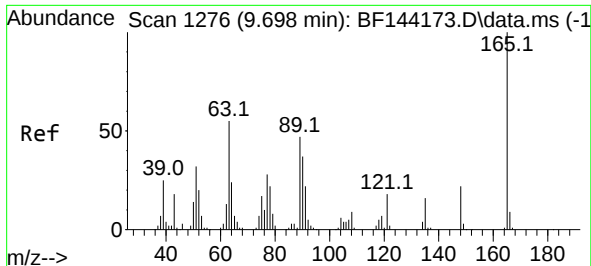
Tgt Ion: 330 Resp: 203573
Ion Ratio Lower Upper
330 100
332 95.0 76.7 115.1
141 22.3 17.8 26.8



#45
2-Fluorobiphenyl
Concen: 94.575 ng
RT: 9.234 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BF144195.D
Acq: 06 Nov 2025 18:53

Tgt Ion: 172 Resp: 789597
Ion Ratio Lower Upper
172 100
171 34.4 28.1 42.1
170 23.6 18.6 28.0

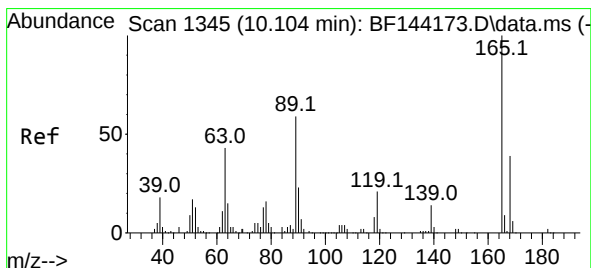
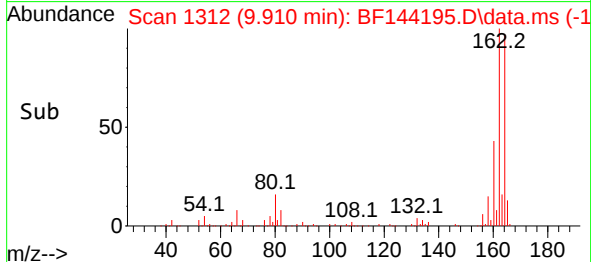
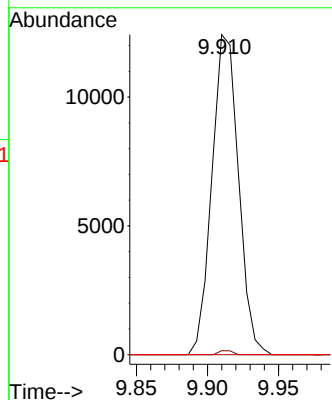
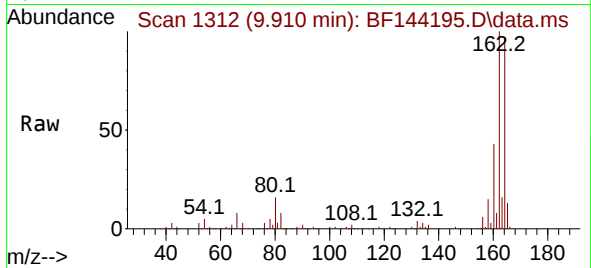




#51
2,6-Dinitrotoluene
Concen: 9.786 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF144195.D
Acq: 06 Nov 2025 18:53

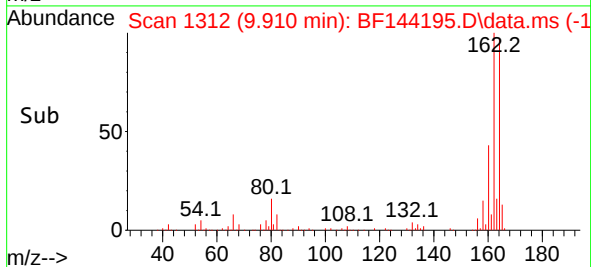
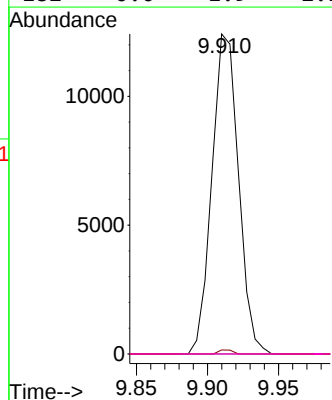
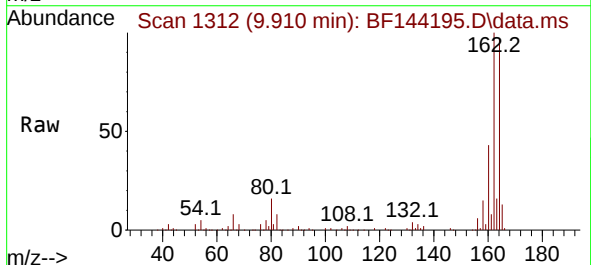
Instrument :
BNA_F
ClientSampleId :
TP-2

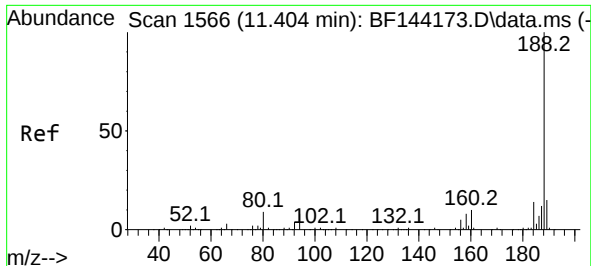
Tgt Ion:165 Resp: 16183
Ion Ratio Lower Upper
165 100
63 1.3 43.8 65.8#
89 0.0 37.5 56.3#



#57
2,4-Dinitrotoluene
Concen: 7.310 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.188 min
Lab File: BF144195.D
Acq: 06 Nov 2025 18:53

Tgt Ion:165 Resp: 16183
Ion Ratio Lower Upper
165 100
63 1.3 35.5 53.3#
89 0.0 47.4 71.2#
182 0.0 1.9 2.9#

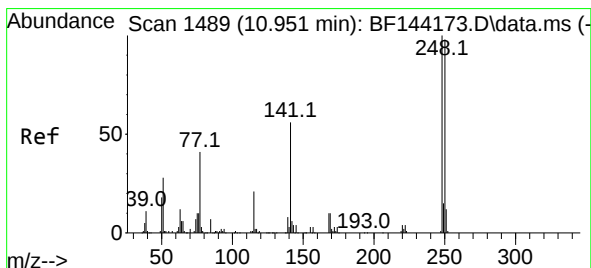
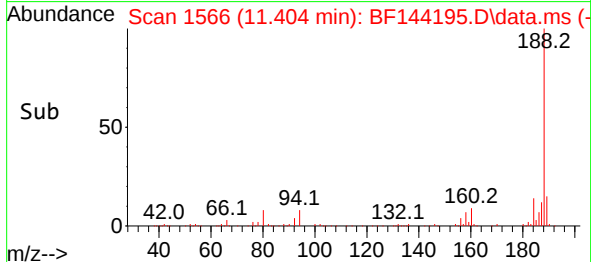
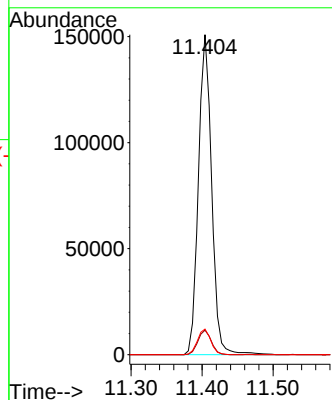
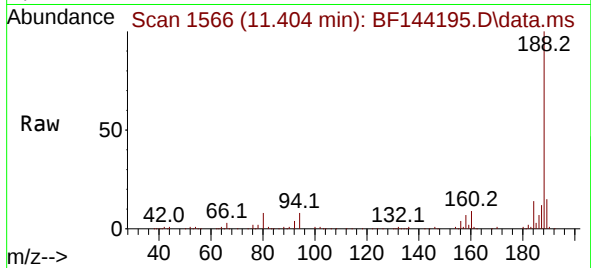




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144195.D
Acq: 06 Nov 2025 18:53

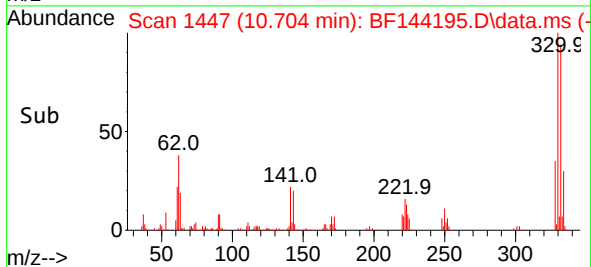
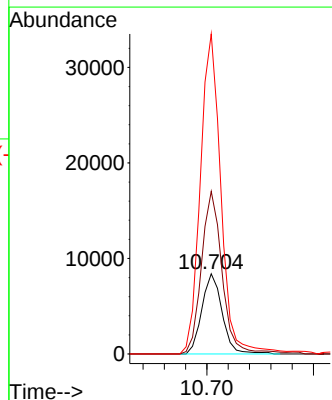
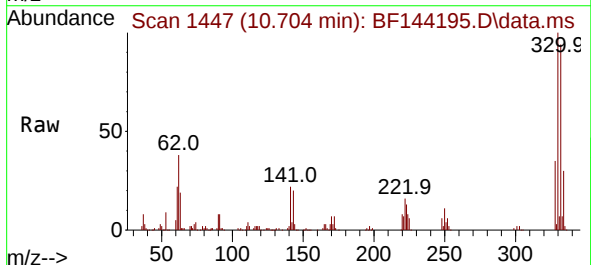
Instrument :
BNA_F
ClientSampleId :
TP-2

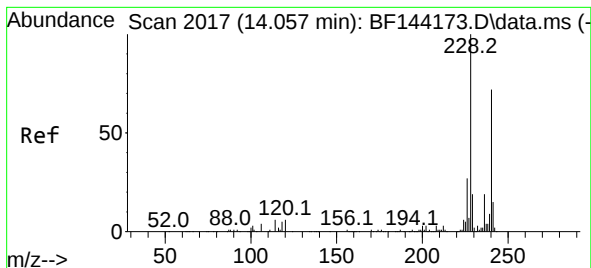
Tgt Ion:188 Resp: 195880
Ion Ratio Lower Upper
188 100
94 7.7 6.2 9.2
80 8.0 6.9 10.3



#67
4-Bromophenyl-phenylether
Concen: 4.458 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.241 min
Lab File: BF144195.D
Acq: 06 Nov 2025 18:53

Tgt Ion:248 Resp: 11145
Ion Ratio Lower Upper
248 100
250 202.8 78.4 117.6#
141 399.3 45.1 67.7#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF144195.D

Acq: 06 Nov 2025 18:53

Instrument :

BNA_F

ClientSampleId :

TP-2

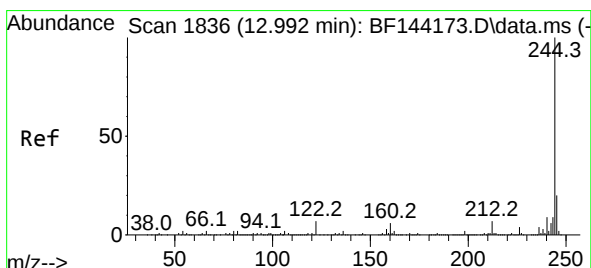
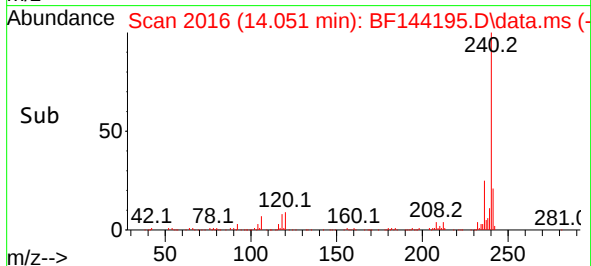
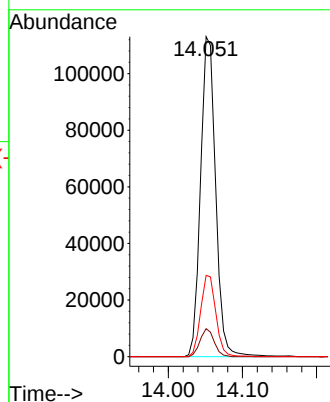
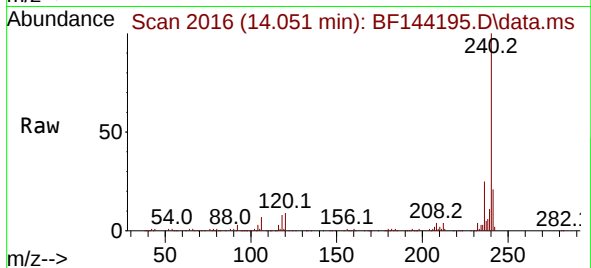
Tgt Ion:240 Resp: 159923

Ion Ratio Lower Upper

240 100

120 8.8 6.6 10.0

236 25.4 21.4 32.2



#79

Terphenyl-d14

Concen: 73.323 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.000 min

Lab File: BF144195.D

Acq: 06 Nov 2025 18:53

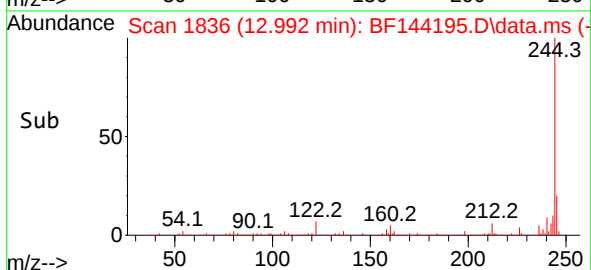
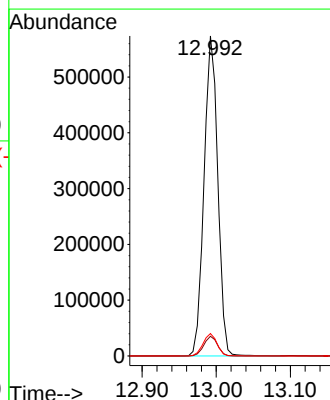
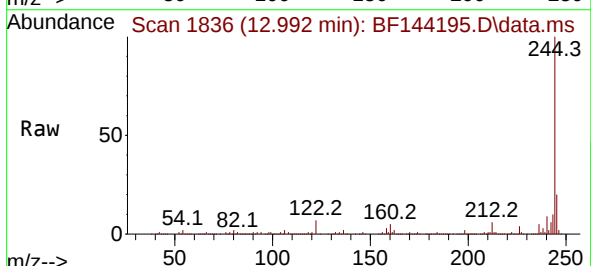
Tgt Ion:244 Resp: 738226

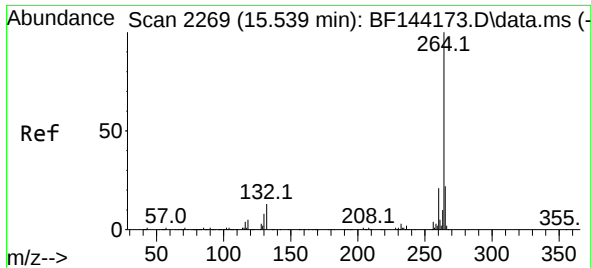
Ion Ratio Lower Upper

244 100

212 6.2 5.3 7.9

122 7.0 5.6 8.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BF144195.D
 Acq: 06 Nov 2025 18:53

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Tgt Ion:264 Resp: 203860
 Ion Ratio Lower Upper
 264 100
 260 21.8 17.1 25.7
 265 22.2 17.4 26.0

