

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110625\
 Data File : BF144191.D
 Acq On : 06 Nov 2025 16:54
 Operator : RC/JU
 Sample : Q3534-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-1

Quant Time: Nov 06 17:27:48 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)

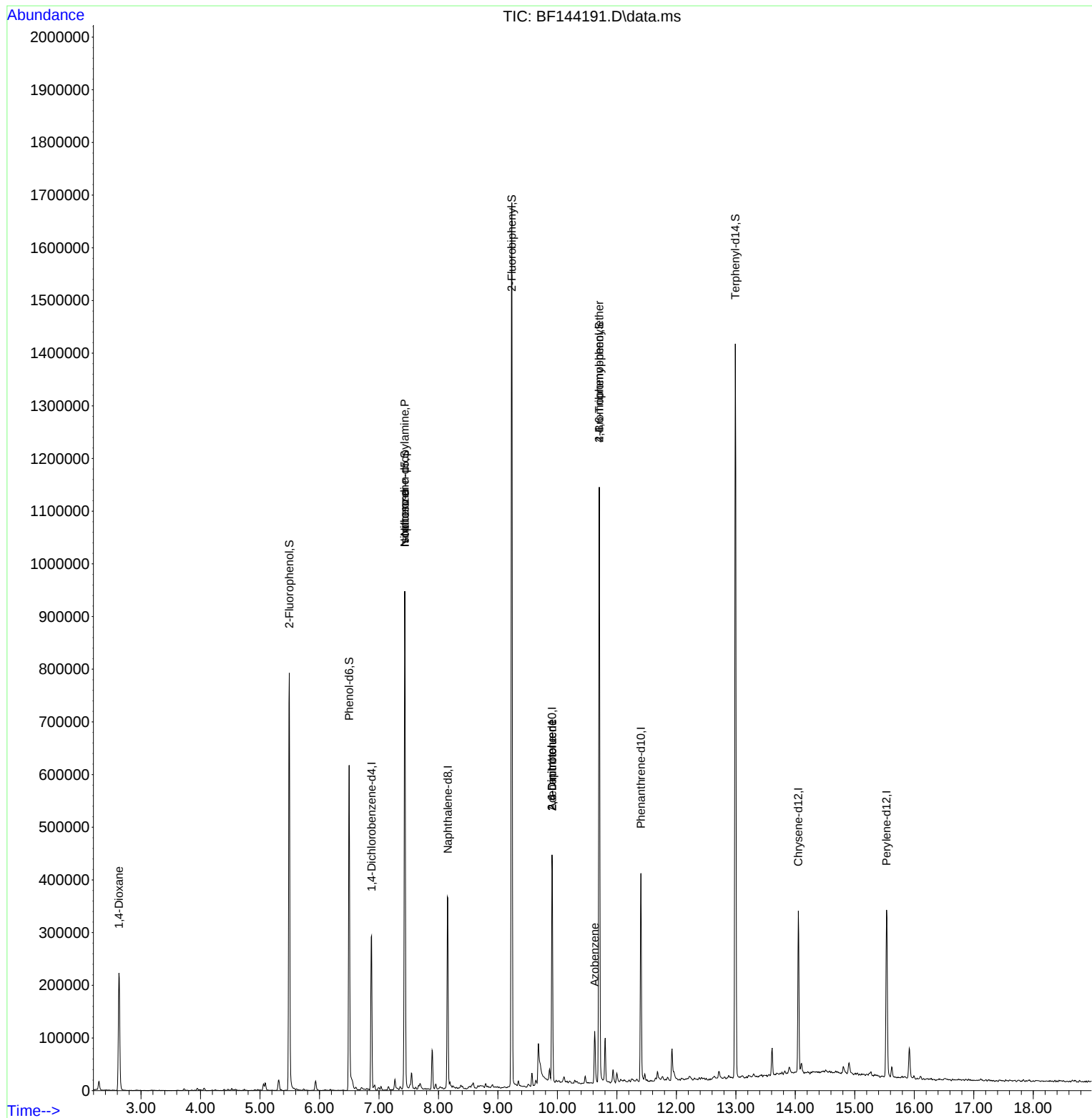
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	63903	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	245141	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	136285	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	213036	20.000	ng	0.00
76) Chrysene-d12	14.051	240	155402	20.000	ng	0.00
86) Perylene-d12	15.533	264	207385	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	321066	78.623	ng	0.00
7) Phenol-d6	6.498	99	270663	58.496	ng	0.00
23) Nitrobenzene-d5	7.434	82	396092	93.319	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	228049	133.345	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	803818	87.111	ng	0.00
79) Terphenyl-d14	12.992	244	740183	75.656	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.628	88	119812	70.967	ng	97
19) n-Nitroso-di-n-propyla...	7.434	70	59718	19.605	ng	# 79
25) Isophorone	7.434	82	396090	49.335	ng	# 66
51) 2,6-Dinitrotoluene	9.910	165	17224	9.424	ng	# 27
57) 2,4-Dinitrotoluene	9.910	165	17224	7.040	ng	# 27
63) Azobenzene	10.627	77	22544	2.910	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	13029	4.791	ng	# 1

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

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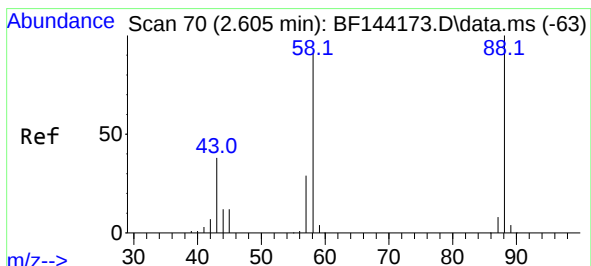
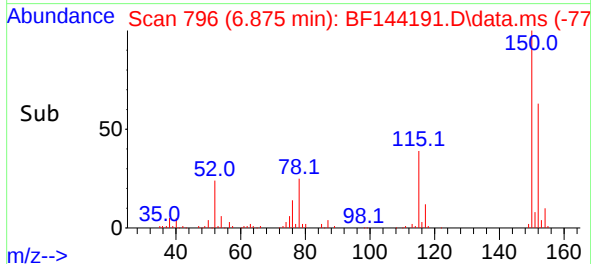
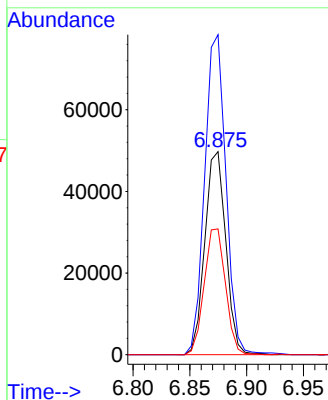
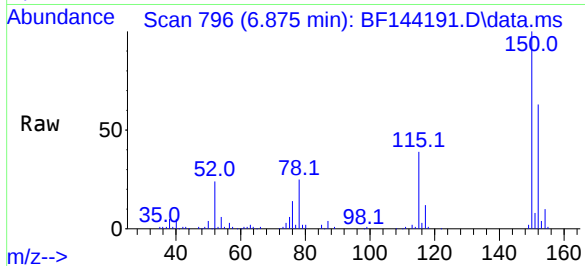




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 74
 Delta R.T. -0.000 min
 Lab File: BF144191.D
 Acq: 06 Nov 2025 16:54

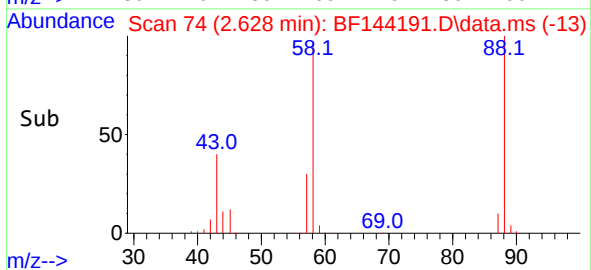
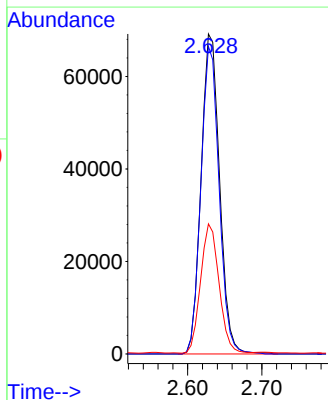
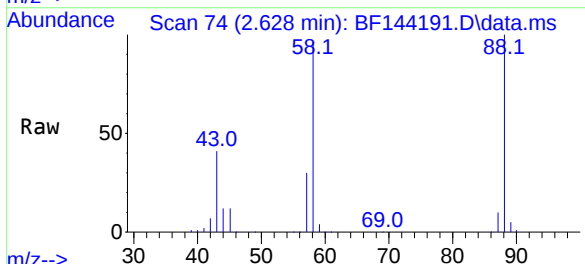
Instrument :
 BNA_F
 ClientSampleId :
 MW-1

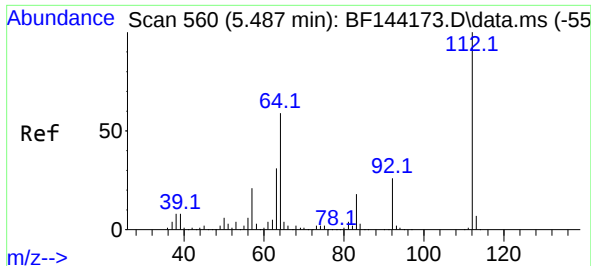
Tgt Ion:152 Resp: 63903
 Ion Ratio Lower Upper
 152 100
 150 157.6 127.4 191.0
 115 61.9 49.5 74.3



#2
 1,4-Dioxane
 Concen: 70.967 ng
 RT: 2.628 min Scan# 74
 Delta R.T. 0.012 min
 Lab File: BF144191.D
 Acq: 06 Nov 2025 16:54

Tgt Ion: 88 Resp: 119812
 Ion Ratio Lower Upper
 88 100
 58 94.6 73.1 109.7
 43 40.2 31.0 46.6

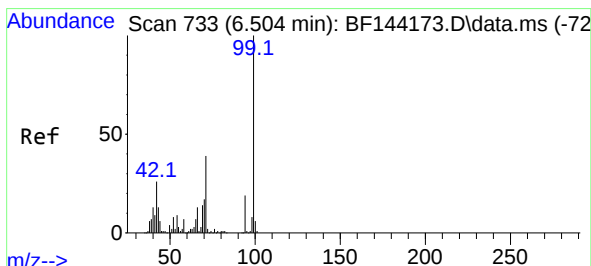
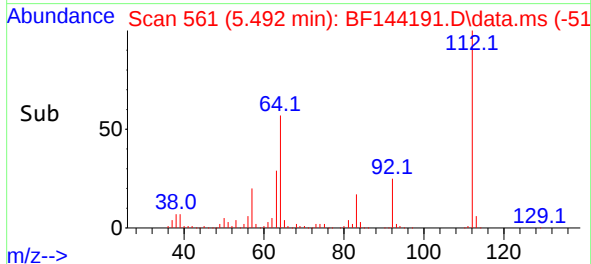
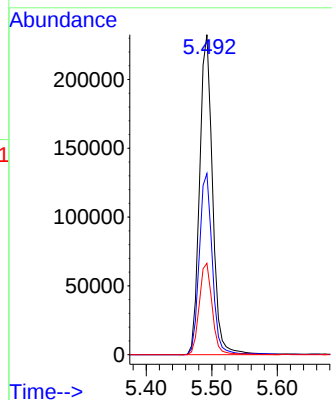
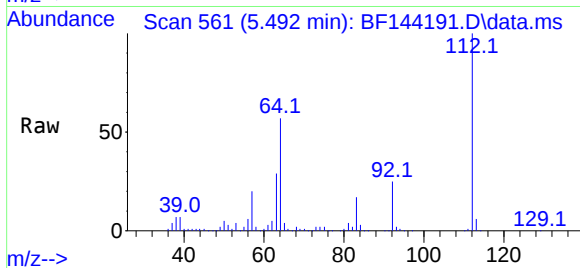




#5
2-Fluorophenol
Concen: 78.623 ng
RT: 5.492 min Scan# 501
Delta R.T. -0.000 min
Lab File: BF144191.D
Acq: 06 Nov 2025 16:54

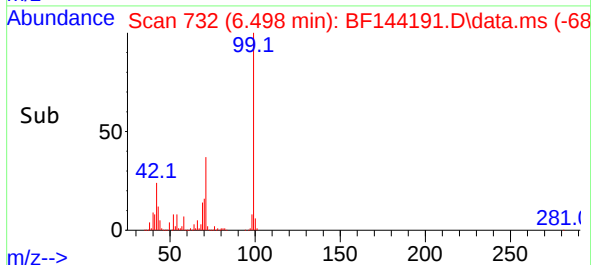
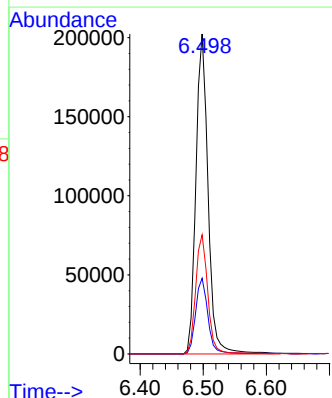
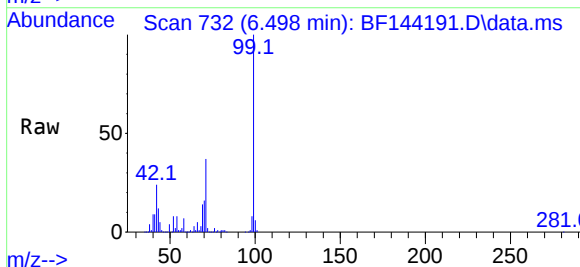
Instrument :
BNA_F
ClientSampleId :
MW-1

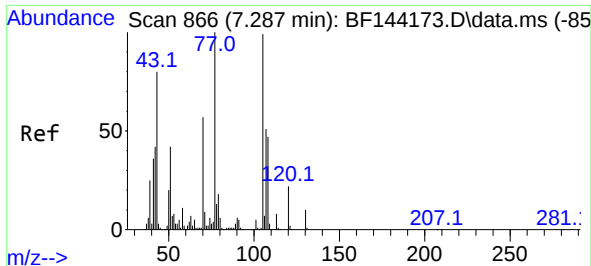
Tgt Ion:112 Resp: 321066
Ion Ratio Lower Upper
112 100
64 56.6 47.2 70.8
63 28.6 24.4 36.6



#7
Phenol-d6
Concen: 58.496 ng
RT: 6.498 min Scan# 732
Delta R.T. -0.000 min
Lab File: BF144191.D
Acq: 06 Nov 2025 16:54

Tgt Ion: 99 Resp: 270663
Ion Ratio Lower Upper
99 100
42 23.6 20.9 31.3
71 37.2 31.4 47.2

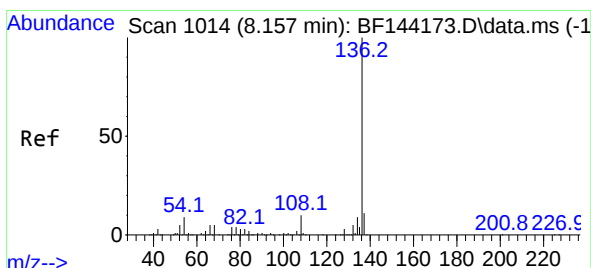
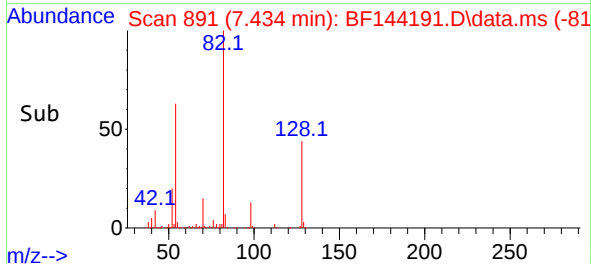
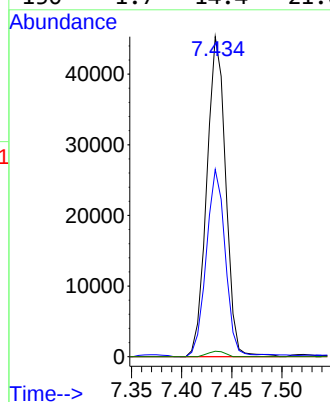
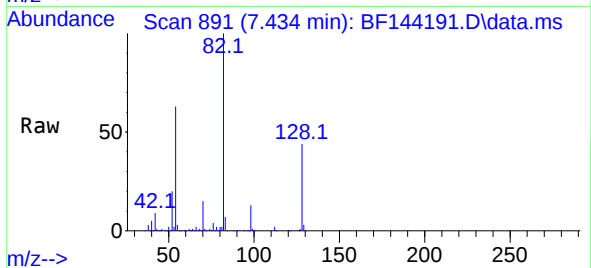




#19
n-Nitroso-di-n-propylamine
Concen: 19.605 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.159 min
Lab File: BF144191.D
Acq: 06 Nov 2025 16:54

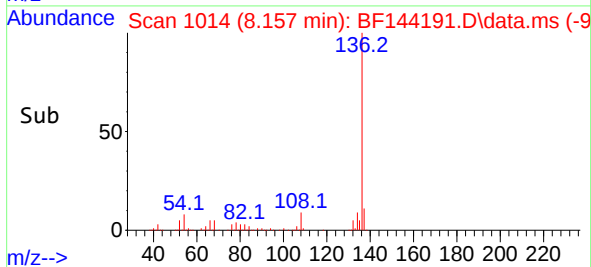
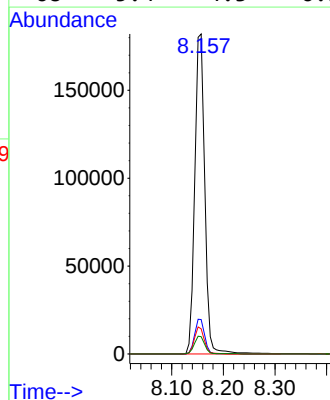
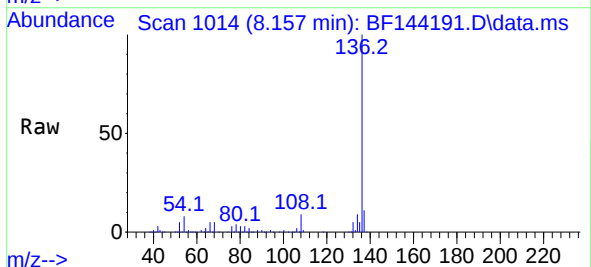
Instrument :
BNA_F
ClientSampleId :
MW-1

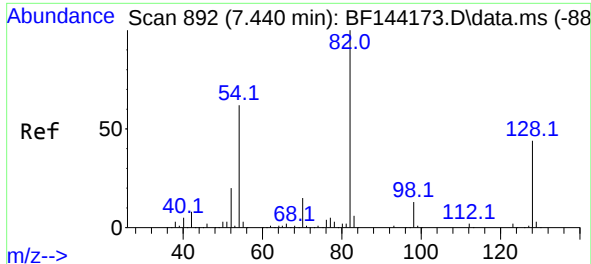
Tgt Ion: 70 Resp: 59718
Ion Ratio Lower Upper
70 100
42 58.5 58.3 87.5
101 0.0 7.0 10.6#
130 1.7 14.4 21.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.000 min
Lab File: BF144191.D
Acq: 06 Nov 2025 16:54

Tgt Ion:136 Resp: 245141
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 7.9 7.0 10.6
68 5.4 4.3 6.5





#23

Nitrobenzene-d5

Concen: 93.319 ng

RT: 7.434 min Scan# 891

Delta R.T. -0.000 min

Lab File: BF144191.D

Acq: 06 Nov 2025 16:54

Instrument :

BNA_F

ClientSampleId :

MW-1

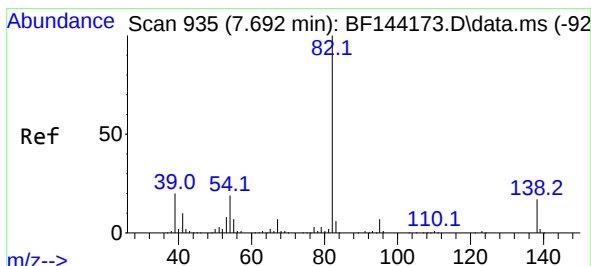
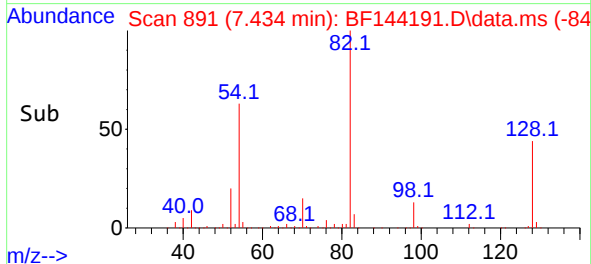
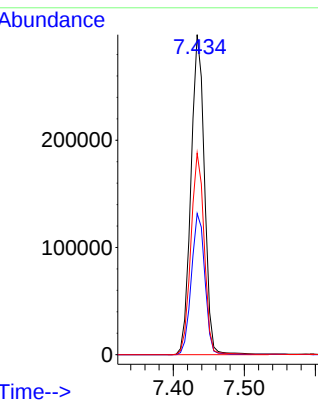
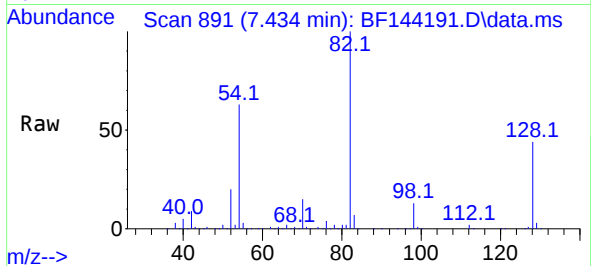
Tgt Ion: 82 Resp: 396092

Ion Ratio Lower Upper

82 100

128 44.1 34.7 52.1

54 63.0 49.5 74.3



#25

Isophorone

Concen: 49.335 ng

RT: 7.434 min Scan# 891

Delta R.T. -0.253 min

Lab File: BF144191.D

Acq: 06 Nov 2025 16:54

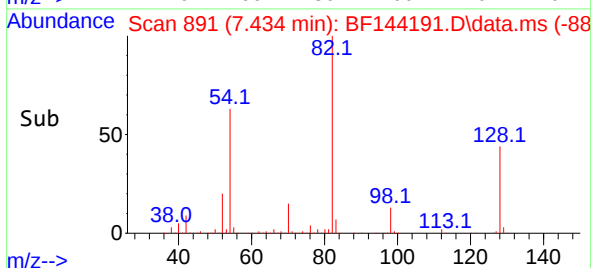
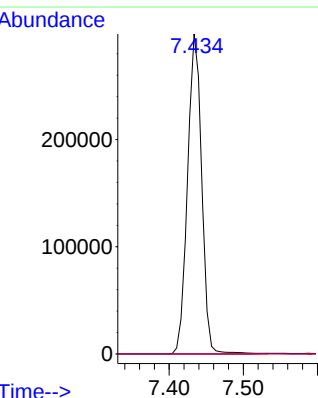
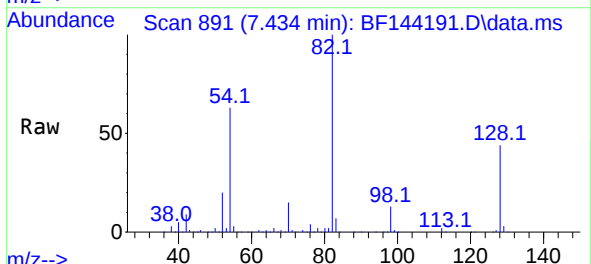
Tgt Ion: 82 Resp: 396090

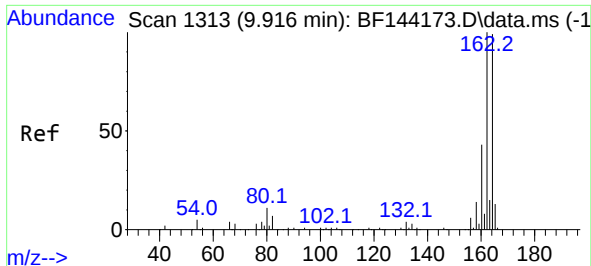
Ion Ratio Lower Upper

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# 1

Delta R.T. -0.006 min

Lab File: BF144191.D

Acq: 06 Nov 2025 16:54

Instrument :

BNA_F

ClientSampleId :

MW-1

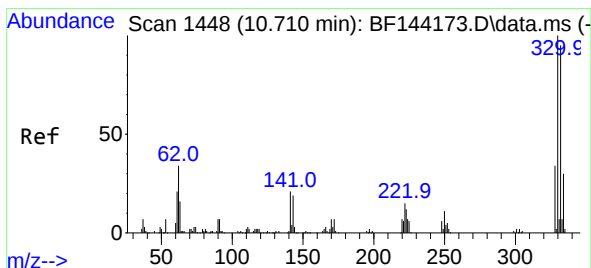
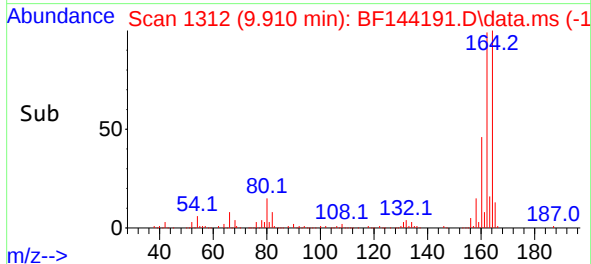
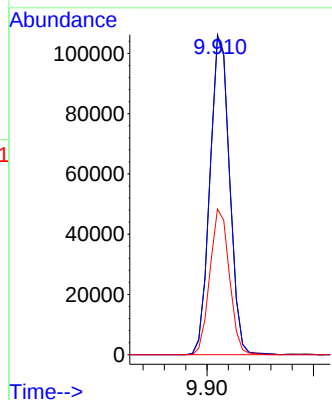
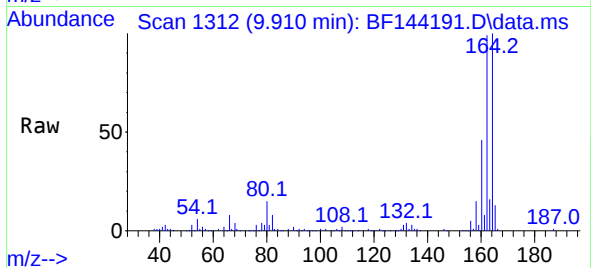
Tgt Ion:164 Resp: 136285

Ion Ratio Lower Upper

164 100

162 99.1 81.1 121.7

160 45.5 34.5 51.7



#42

2,4,6-Tribromophenol

Concen: 133.345 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.000 min

Lab File: BF144191.D

Acq: 06 Nov 2025 16:54

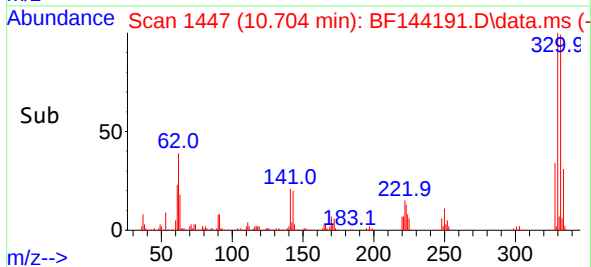
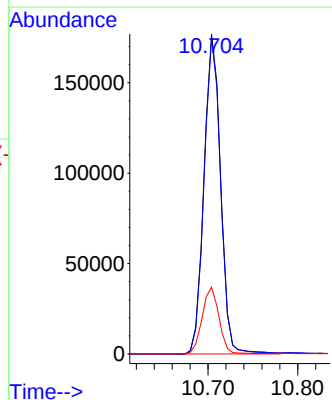
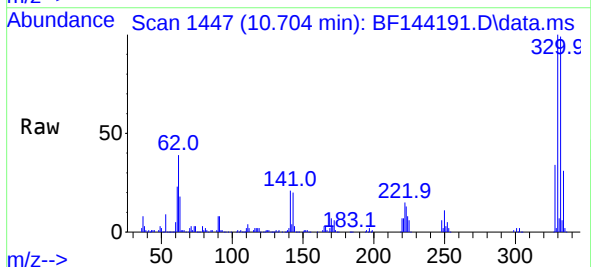
Tgt Ion:330 Resp: 228049

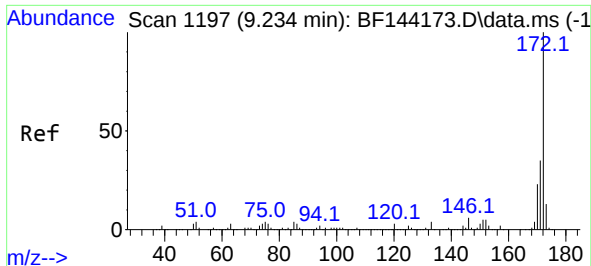
Ion Ratio Lower Upper

330 100

332 97.7 76.7 115.1

141 21.1 17.8 26.8





#45

2-Fluorobiphenyl

Concen: 87.111 ng

RT: 9.233 min Scan# 1197

Delta R.T. 0.006 min

Lab File: BF144191.D

Acq: 06 Nov 2025 16:54

Instrument :

BNA_F

ClientSampleId :

MW-1

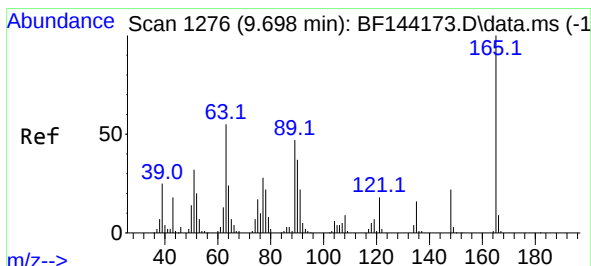
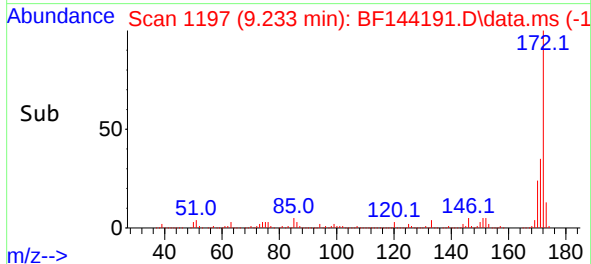
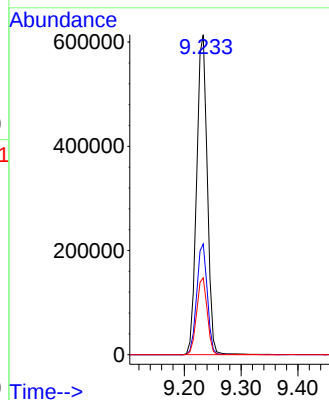
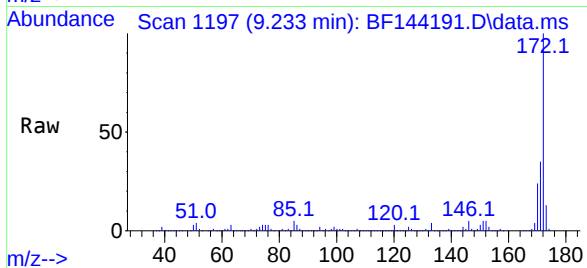
Tgt Ion:172 Resp: 803818

Ion Ratio Lower Upper

172 100

171 34.6 28.1 42.1

170 24.0 18.6 28.0



#51

2,6-Dinitrotoluene

Concen: 9.424 ng

RT: 9.910 min Scan# 1312

Delta R.T. 0.217 min

Lab File: BF144191.D

Acq: 06 Nov 2025 16:54

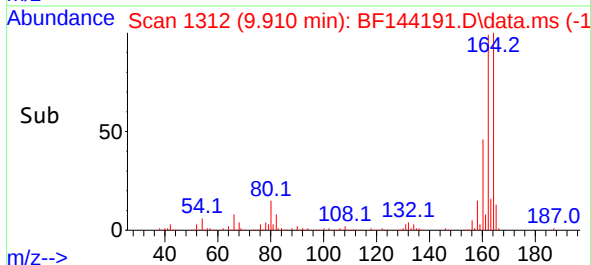
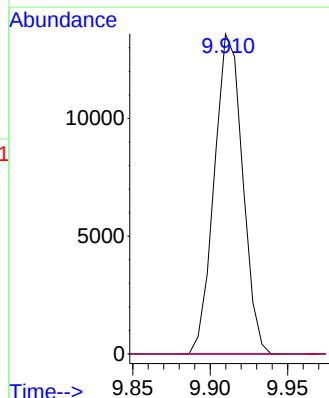
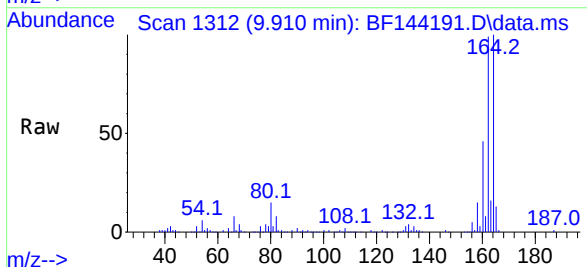
Tgt Ion:165 Resp: 17224

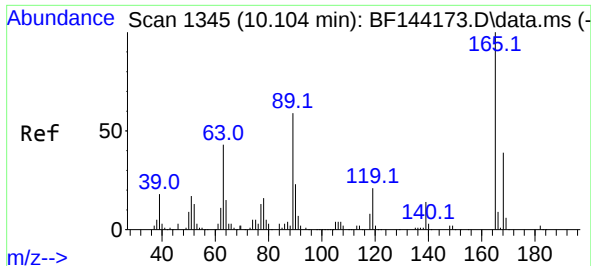
Ion Ratio Lower Upper

165 100

63 0.0 43.8 65.8#

89 0.0 37.5 56.3#

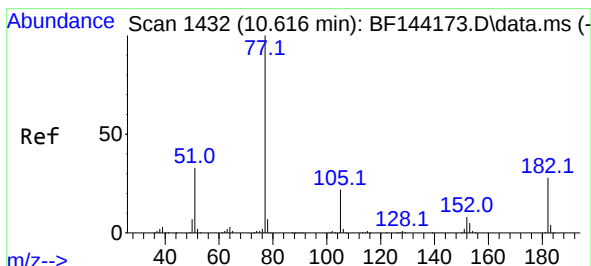
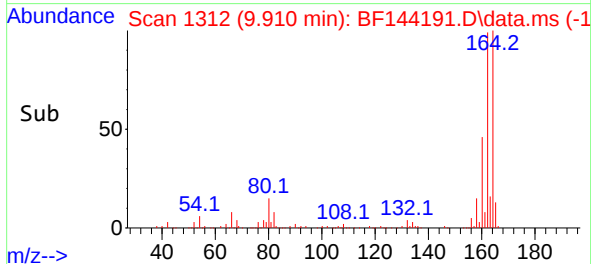
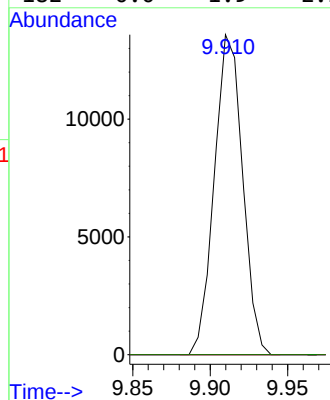
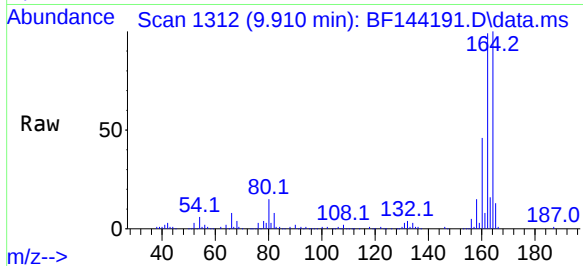




#57
2,4-Dinitrotoluene
Concen: 7.040 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF144191.D
Acq: 06 Nov 2025 16:54

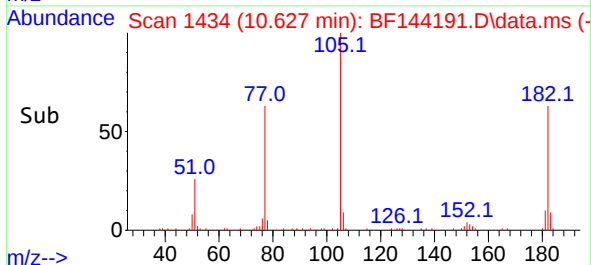
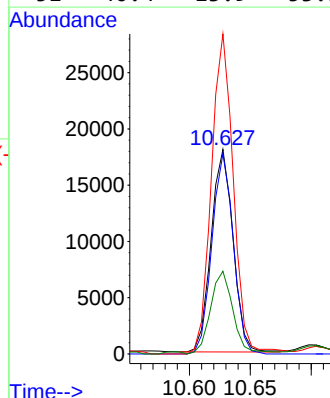
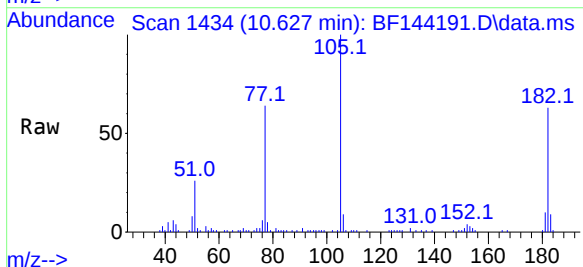
Instrument :
BNA_F
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MW-1

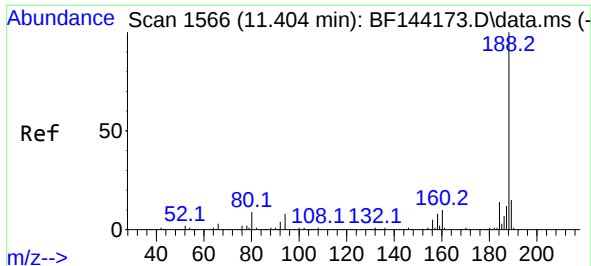
Tgt Ion:165 Resp: 17224
Ion Ratio Lower Upper
165 100
63 0.0 35.5 53.3#
89 0.0 47.4 71.2#
182 0.0 1.9 2.9#



#63
Azobenzene
Concen: 2.910 ng
RT: 10.627 min Scan# 1434
Delta R.T. 0.012 min
Lab File: BF144191.D
Acq: 06 Nov 2025 16:54

Tgt Ion: 77 Resp: 22544
Ion Ratio Lower Upper
77 100
182 97.8 8.1 48.1#
105 156.5 2.0 42.0#
51 40.4 13.9 53.9

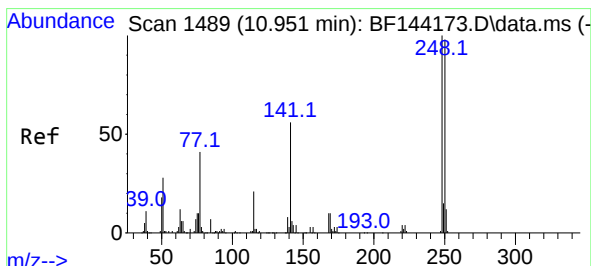
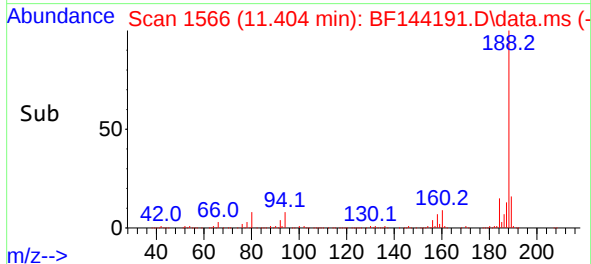
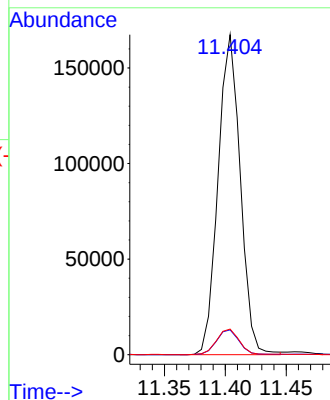
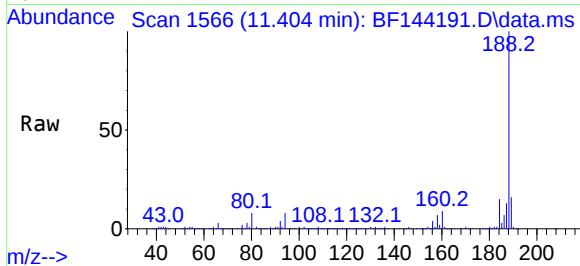




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144191.D
Acq: 06 Nov 2025 16:54

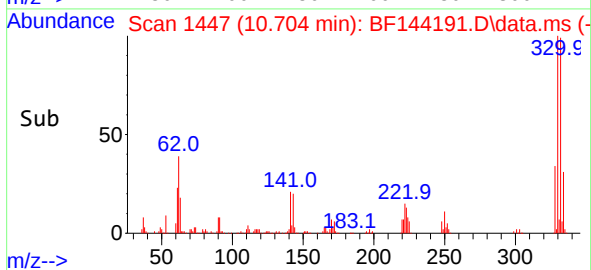
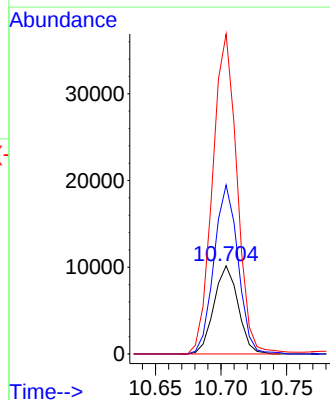
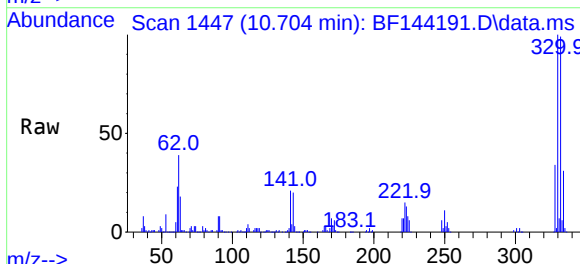
Instrument :
BNA_F
ClientSampleId :
MW-1

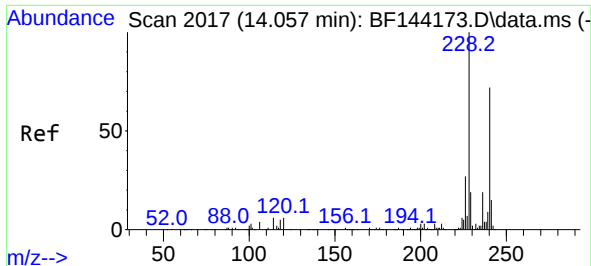
Tgt Ion:188 Resp: 213036
Ion Ratio Lower Upper
188 100
94 7.8 6.2 9.2
80 8.0 6.9 10.3



#67
4-Bromophenyl-phenylether
Concen: 4.791 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.241 min
Lab File: BF144191.D
Acq: 06 Nov 2025 16:54

Tgt Ion:248 Resp: 13029
Ion Ratio Lower Upper
248 100
250 191.6 78.4 117.6#
141 362.8 45.1 67.7#

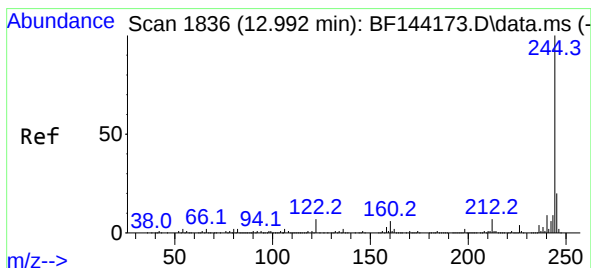
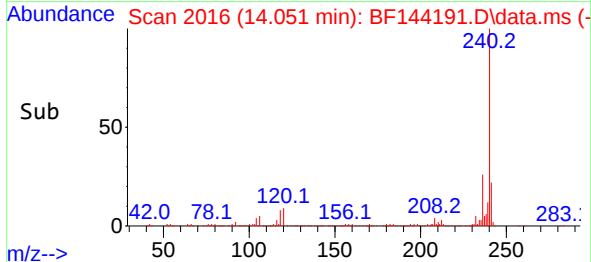
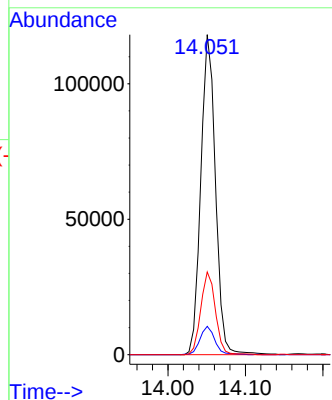
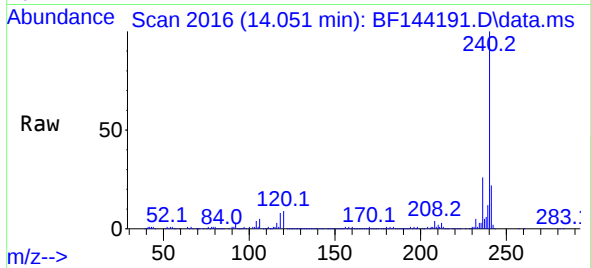




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF144191.D
Acq: 06 Nov 2025 16:54

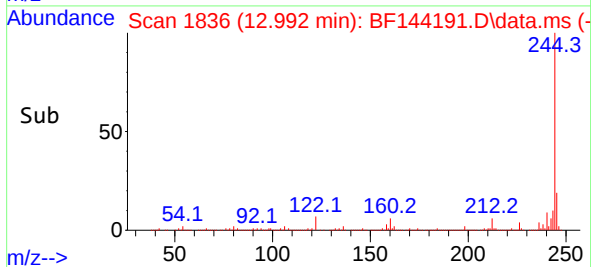
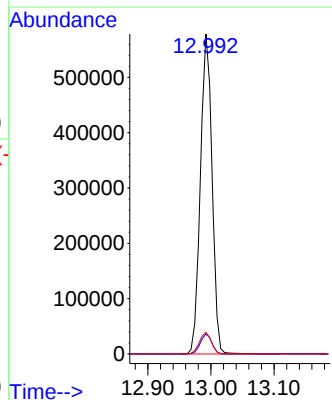
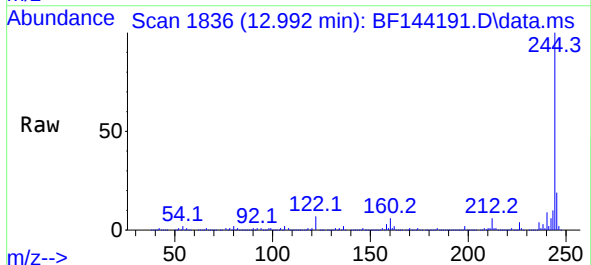
Instrument :
BNA_F
ClientSampleId :
MW-1

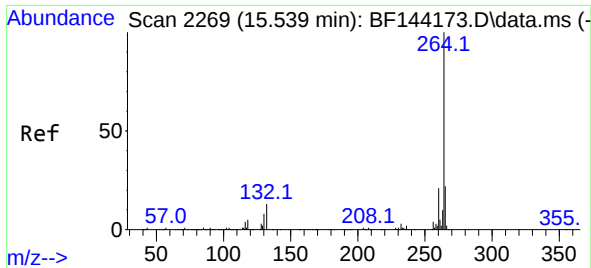
Tgt Ion:240 Resp: 155402
Ion Ratio Lower Upper
240 100
120 8.9 6.6 10.0
236 25.9 21.4 32.2



#79
Terphenyl-d14
Concen: 75.656 ng
RT: 12.992 min Scan# 1836
Delta R.T. -0.000 min
Lab File: BF144191.D
Acq: 06 Nov 2025 16:54

Tgt Ion:244 Resp: 740183
Ion Ratio Lower Upper
244 100
212 6.2 5.3 7.9
122 6.7 5.6 8.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.533 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF144191.D
 Acq: 06 Nov 2025 16:54

Instrument :
 BNA_F
 ClientSampleId :
 MW-1

Tgt Ion:264 Resp: 207385
 Ion Ratio Lower Upper
 264 100
 260 22.1 17.1 25.7
 265 22.2 17.4 26.0

