

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
 Data File : BF144110.D
 Acq On : 28 Oct 2025 19:43
 Operator : RC/JU
 Sample : Q3460-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Oct 29 05:46:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 17:30:25 2025
 Response via : Initial Calibration

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

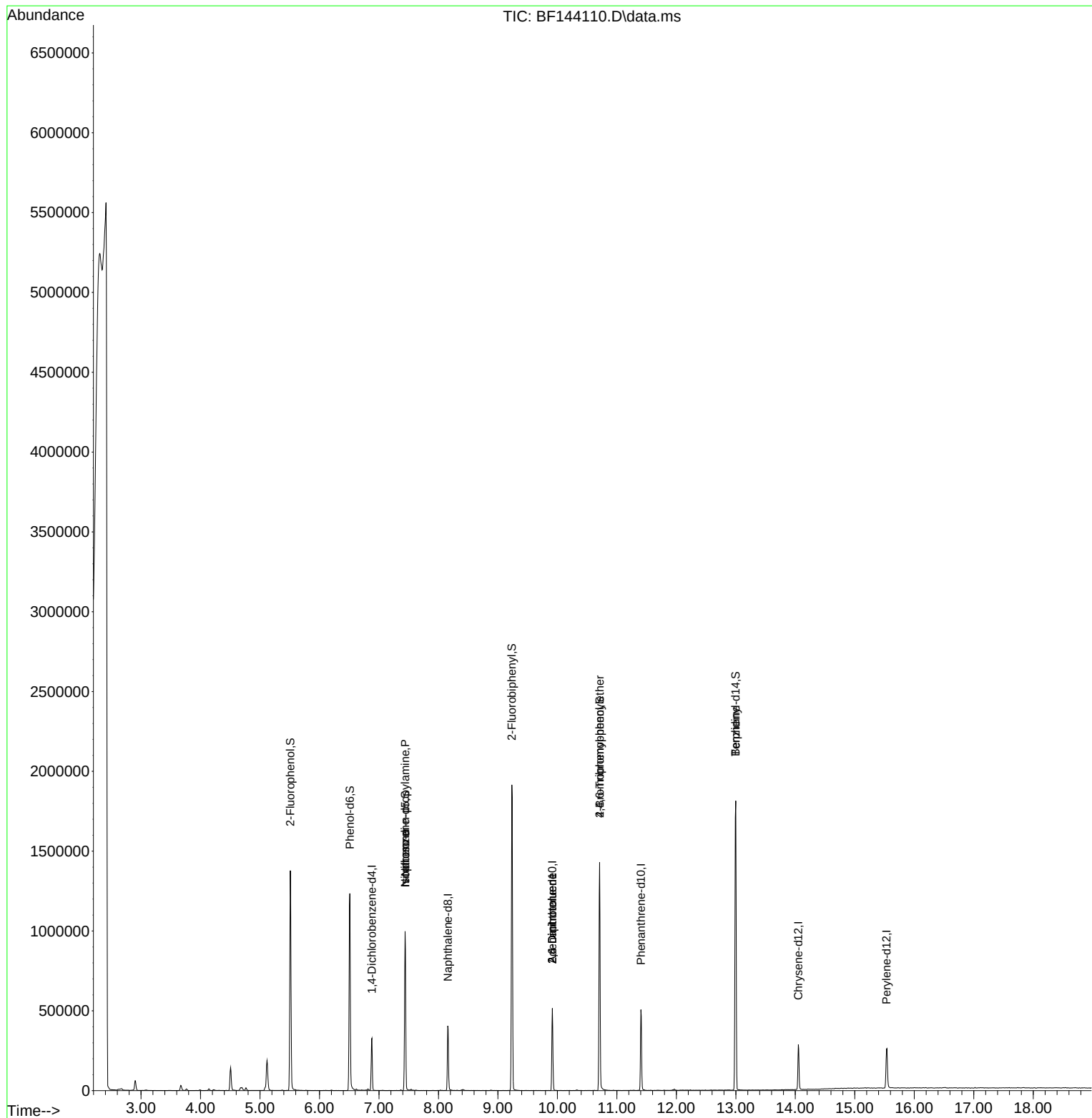
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	70020	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	269835	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	158439	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	289140	20.000	ng	0.00
76) Chrysene-d12	14.051	240	153490	20.000	ng	0.00
86) Perylene-d12	15.533	264	170256	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	505283	114.169	ng	0.02
7) Phenol-d6	6.510	99	534335	109.321	ng	0.00
23) Nitrobenzene-d5	7.439	82	429900	87.287	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	296055	146.692	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	917768	81.514	ng	0.00
79) Terphenyl-d14	12.998	244	999205	113.807	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	67195	21.259	ng	# 71
25) Isophorone	7.439	82	429896	49.926	ng	# 66
51) 2,6-Dinitrotoluene	9.916	165	20221	9.849	ng	# 22
57) 2,4-Dinitrotoluene	9.916	165	20221	7.298	ng	# 25
67) 4-Bromophenyl-phenylether	10.710	248	15847	4.377	ng	# 1
77) Benzidine	12.998	184	11133	2.331	ng	# 93

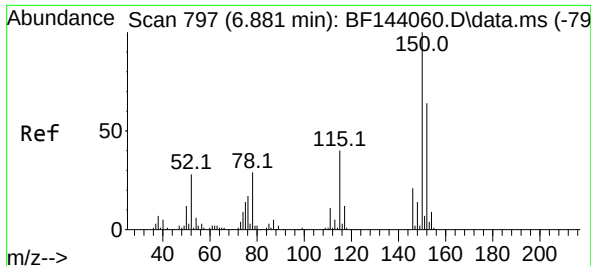
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
Data File : BF144110.D
Acq On : 28 Oct 2025 19:43
Operator : RC/JU
Sample : Q3460-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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Quant Time: Oct 29 05:46:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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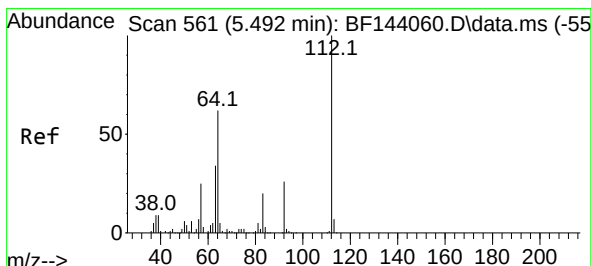
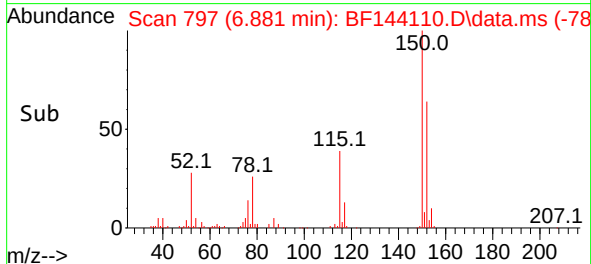
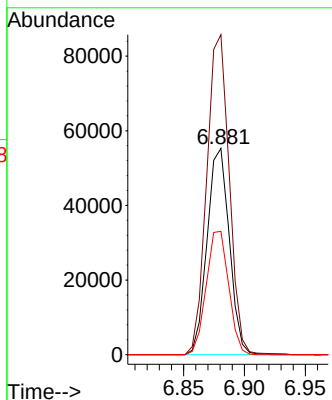
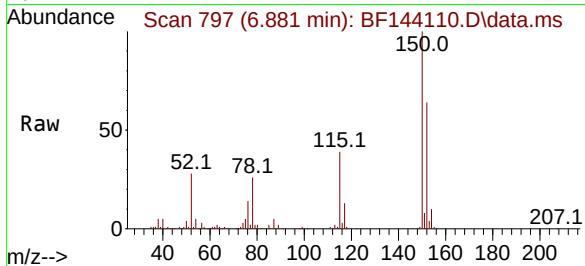




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 797
 Delta R.T. -0.000 min
 Lab File: BF144110.D
 Acq: 28 Oct 2025 19:43

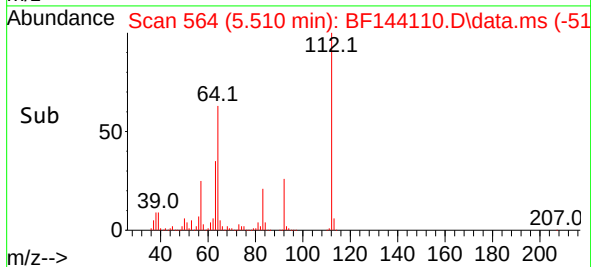
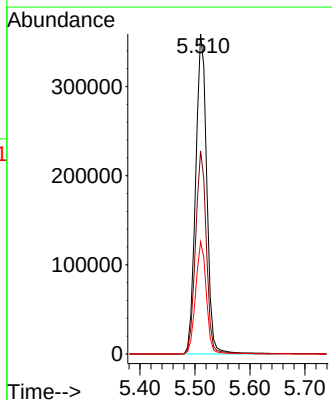
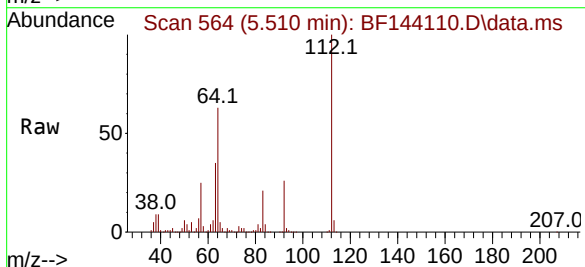
Instrument :
 BNA_F
 ClientSampleId :
 WC-1

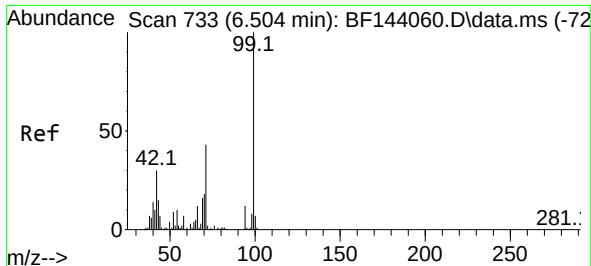
Tgt Ion:152 Resp: 70020
 Ion Ratio Lower Upper
 152 100
 150 155.2 124.4 186.6
 115 59.8 49.4 74.0



#5
 2-Fluorophenol
 Concen: 114.169 ng
 RT: 5.510 min Scan# 564
 Delta R.T. 0.018 min
 Lab File: BF144110.D
 Acq: 28 Oct 2025 19:43

Tgt Ion:112 Resp: 505283
 Ion Ratio Lower Upper
 112 100
 64 63.4 49.8 74.8
 63 35.0 27.4 41.2

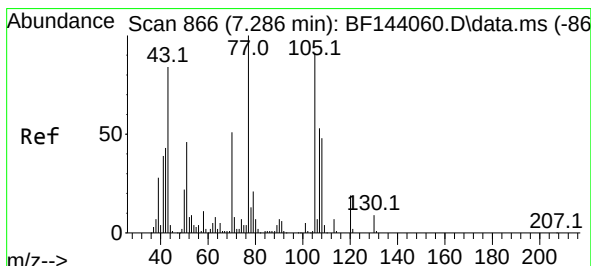
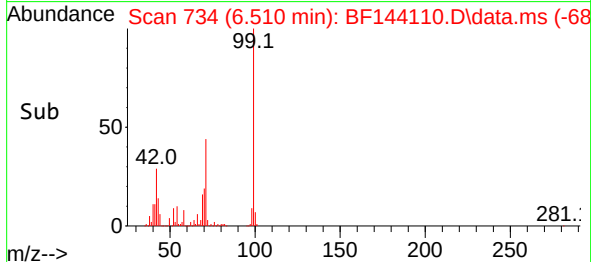
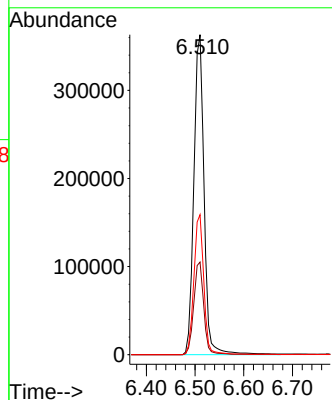
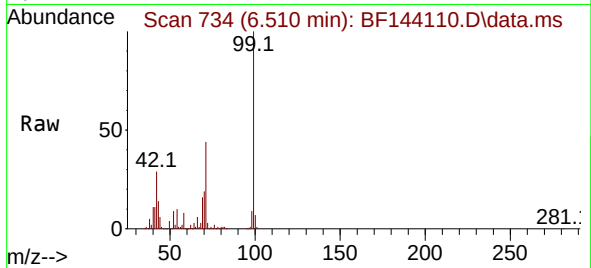




#7
Phenol-d6
Concen: 109.321 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF144110.D
Acq: 28 Oct 2025 19:43

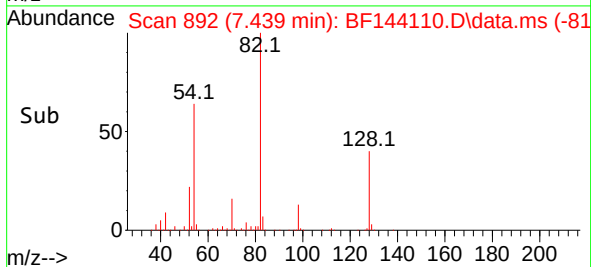
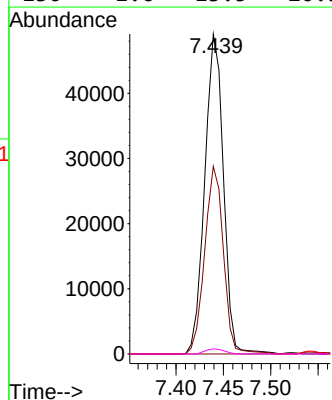
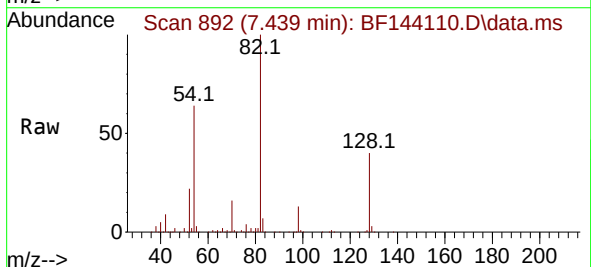
Instrument :
BNA_F
ClientSampleId :
WC-1

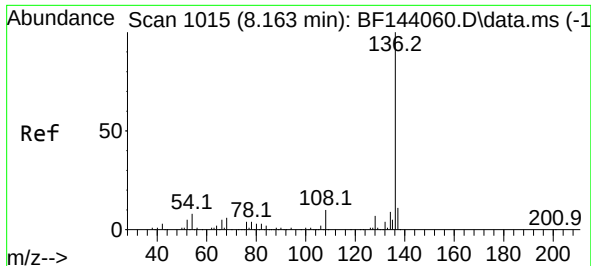
Tgt Ion: 99 Resp: 534335
Ion Ratio Lower Upper
99 100
42 29.0 23.9 35.9
71 43.7 34.4 51.6



#19
n-Nitroso-di-n-propylamine
Concen: 21.259 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.153 min
Lab File: BF144110.D
Acq: 28 Oct 2025 19:43

Tgt Ion: 70 Resp: 67195
Ion Ratio Lower Upper
70 100
42 58.7 67.4 101.0#
101 0.0 7.1 10.7#
130 1.6 13.5 20.3#



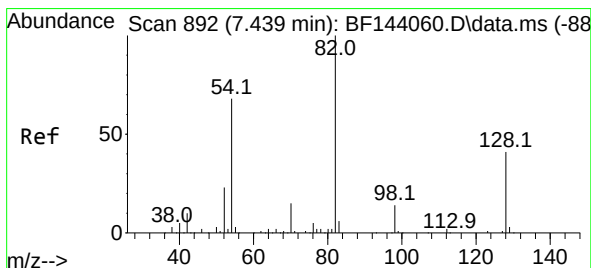
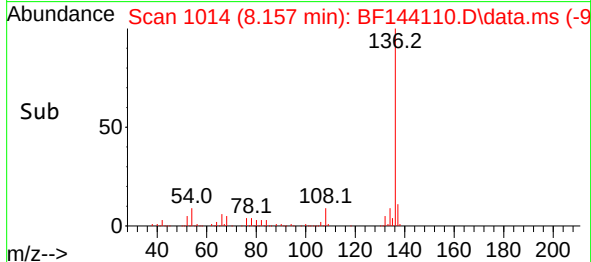
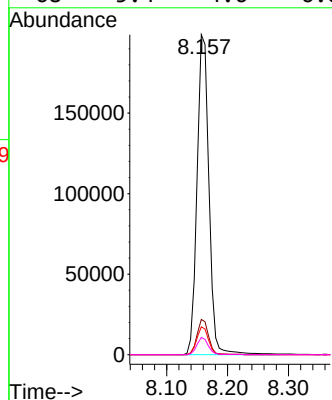
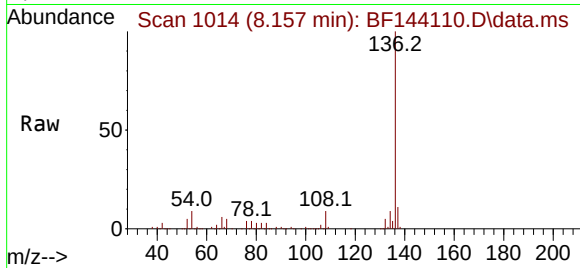


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF144110.D
Acq: 28 Oct 2025 19:43

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:136 Resp: 269835

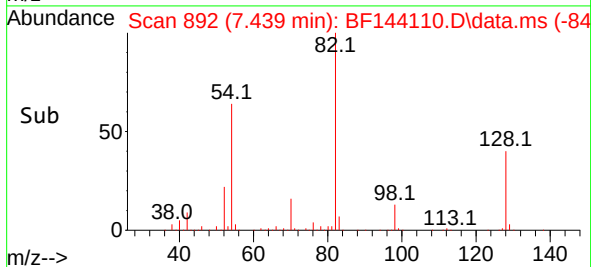
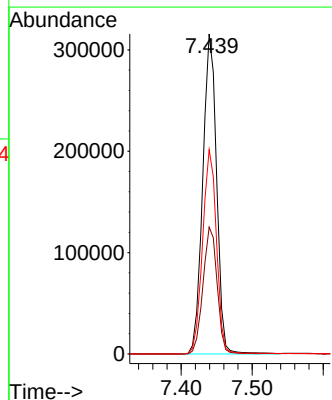
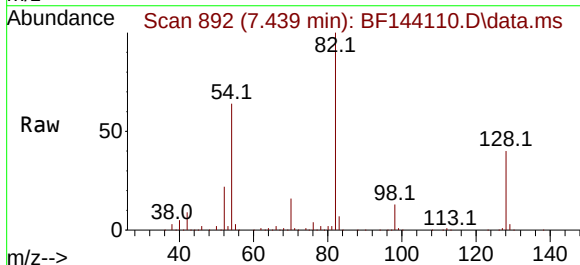
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	8.7	6.6	9.8
68	5.4	4.6	6.8

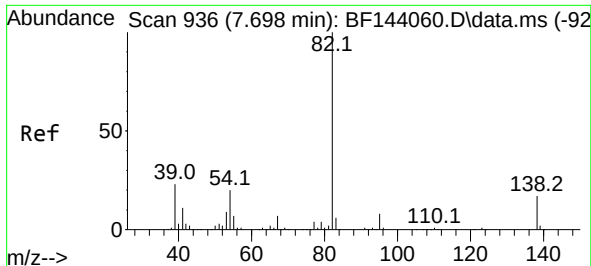


#23
Nitrobenzene-d5
Concen: 87.287 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.000 min
Lab File: BF144110.D
Acq: 28 Oct 2025 19:43

Tgt Ion: 82 Resp: 429900

Ion	Ratio	Lower	Upper
82	100		
128	39.7	32.4	48.6
54	63.8	54.0	81.0

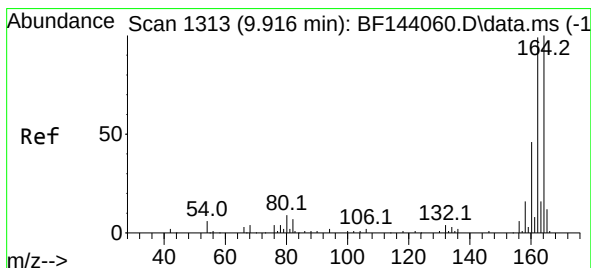
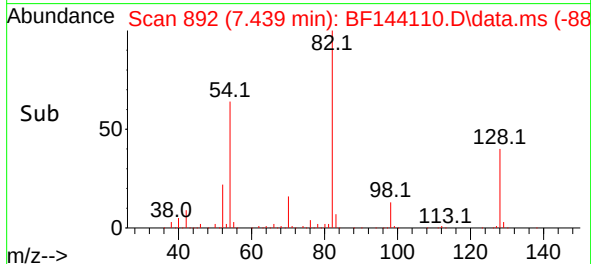
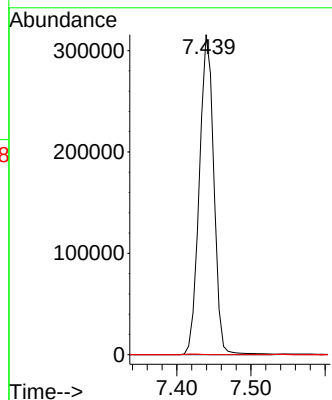
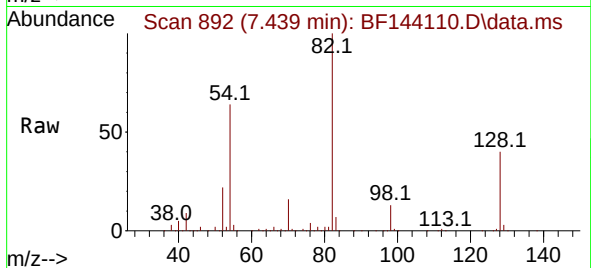




#25
Isophorone
Concen: 49.926 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.259 min
Lab File: BF144110.D
Acq: 28 Oct 2025 19:43

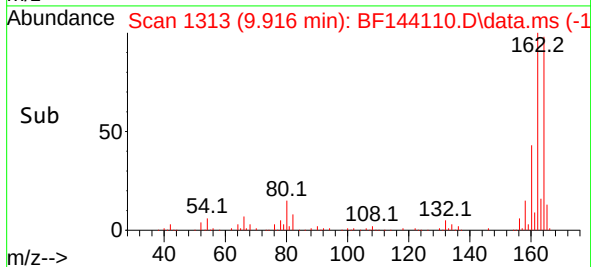
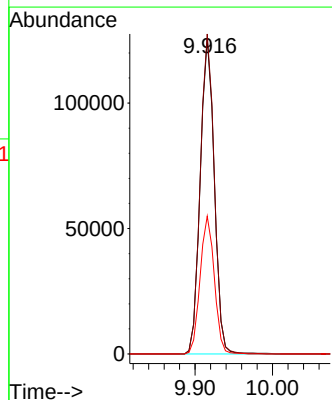
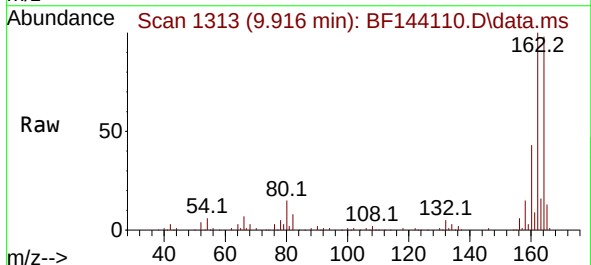
Instrument :
BNA_F
ClientSampleId :
WC-1

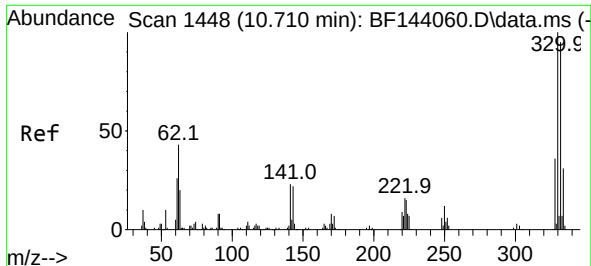
Tgt Ion: 82 Resp: 429896
Ion Ratio Lower Upper
82 100
95 0.0 6.6 9.8#
138 0.1 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.000 min
Lab File: BF144110.D
Acq: 28 Oct 2025 19:43

Tgt Ion:164 Resp: 158439
Ion Ratio Lower Upper
164 100
162 101.6 79.4 119.2
160 43.7 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 146.692 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.000 min

Lab File: BF144110.D

Acq: 28 Oct 2025 19:43

Instrument :

BNA_F

ClientSampleId :

WC-1

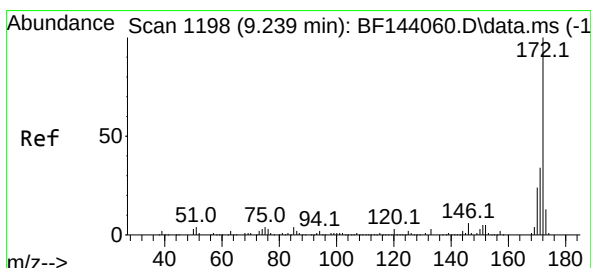
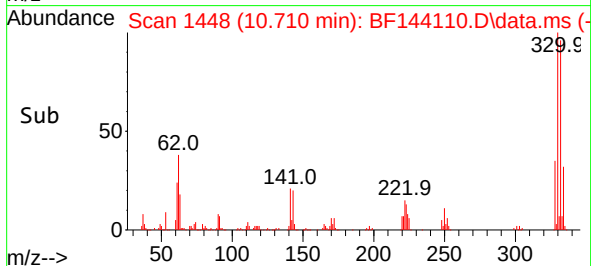
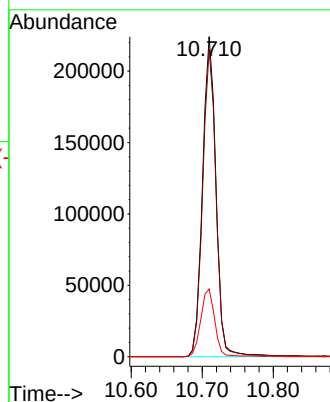
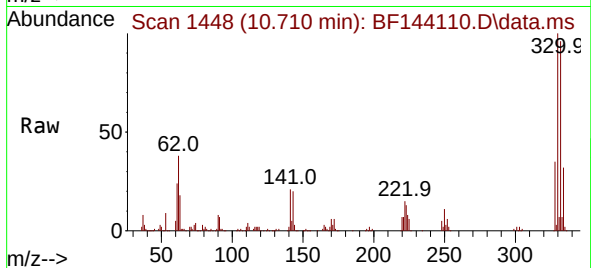
Tgt Ion:330 Resp: 296055

Ion Ratio Lower Upper

330 100

332 96.0 77.0 115.6

141 22.2 19.4 29.0



#45

2-Fluorobiphenyl

Concen: 81.514 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.006 min

Lab File: BF144110.D

Acq: 28 Oct 2025 19:43

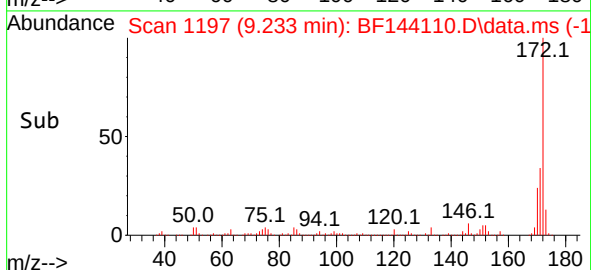
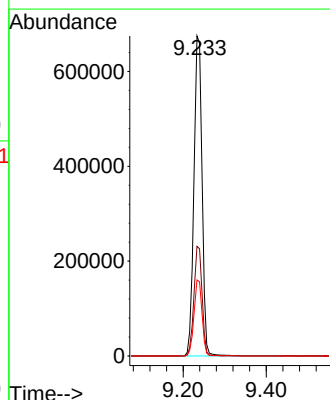
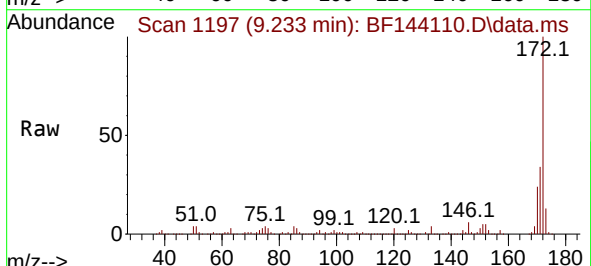
Tgt Ion:172 Resp: 917768

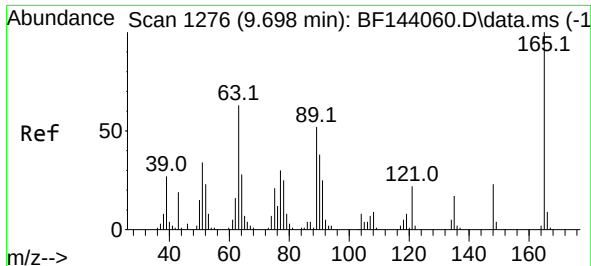
Ion Ratio Lower Upper

172 100

171 34.2 27.5 41.3

170 23.8 19.0 28.6

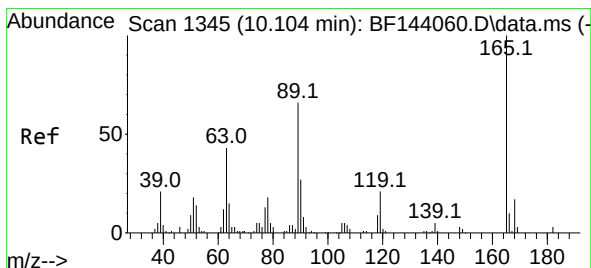
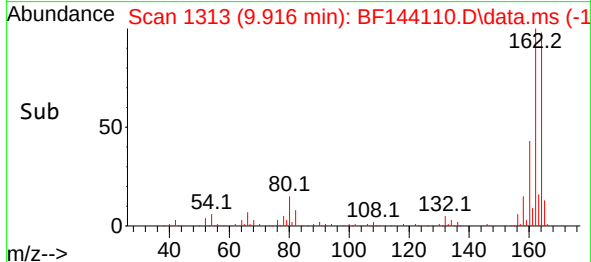
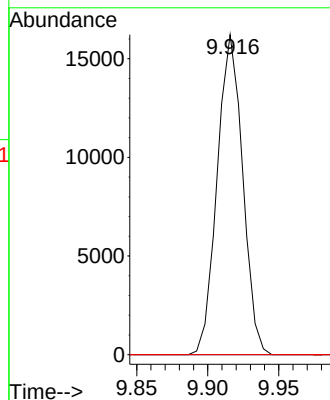
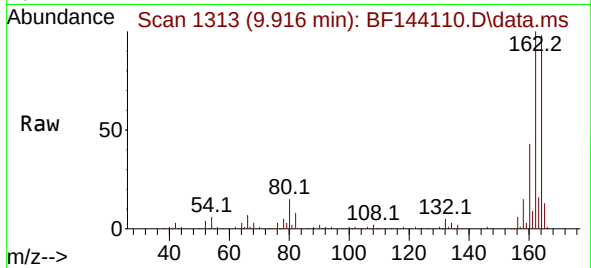




#51
2,6-Dinitrotoluene
Concen: 9.849 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF144110.D
Acq: 28 Oct 2025 19:43

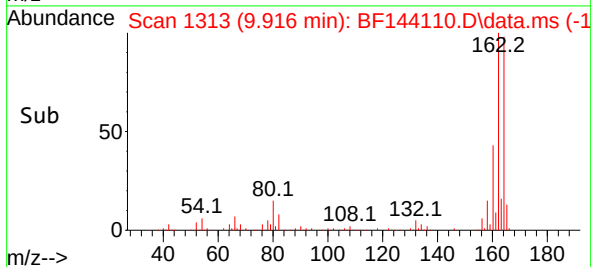
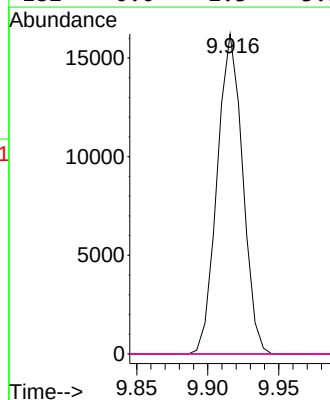
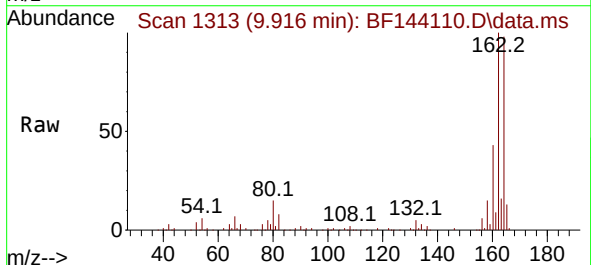
Instrument :
BNA_F
ClientSampleId :
WC-1

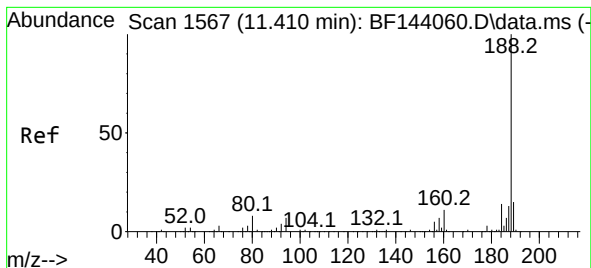
Tgt Ion:165 Resp: 20221
Ion Ratio Lower Upper
165 100
63 0.0 50.4 75.6#
89 0.0 41.4 62.2#



#57
2,4-Dinitrotoluene
Concen: 7.298 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.188 min
Lab File: BF144110.D
Acq: 28 Oct 2025 19:43

Tgt Ion:165 Resp: 20221
Ion Ratio Lower Upper
165 100
63 0.0 35.4 53.2#
89 0.0 52.7 79.1#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF144110.D

Acq: 28 Oct 2025 19:43

Instrument :

BNA_F

ClientSampleId :

WC-1

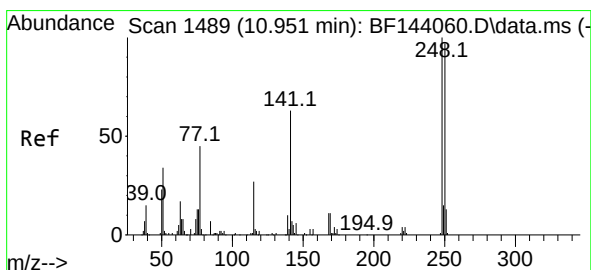
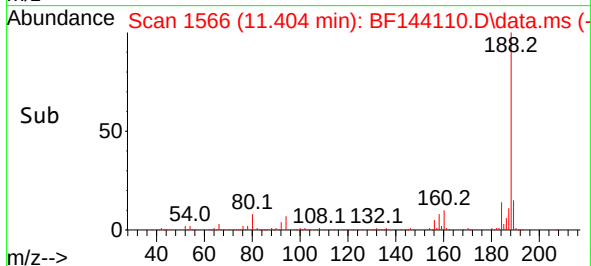
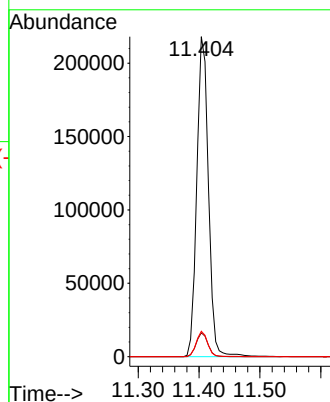
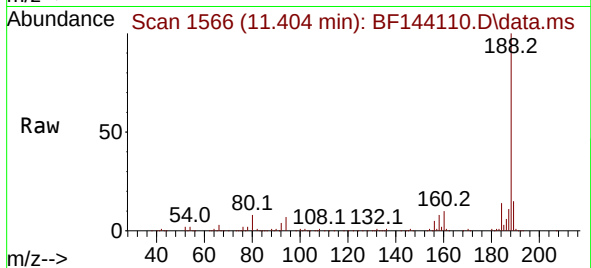
Tgt Ion:188 Resp: 289140

Ion Ratio Lower Upper

188 100

94 7.4 5.4 8.0

80 7.9 6.0 9.0



#67

4-Bromophenyl-phenylether

Concen: 4.377 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.241 min

Lab File: BF144110.D

Acq: 28 Oct 2025 19:43

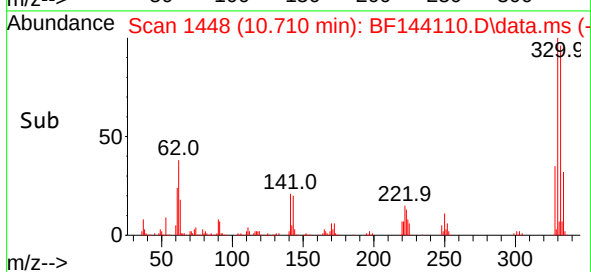
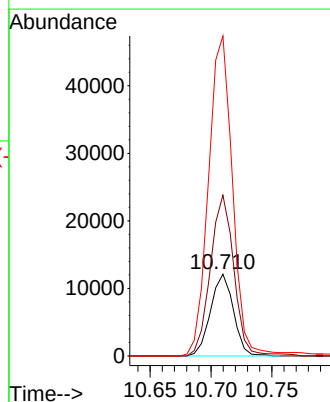
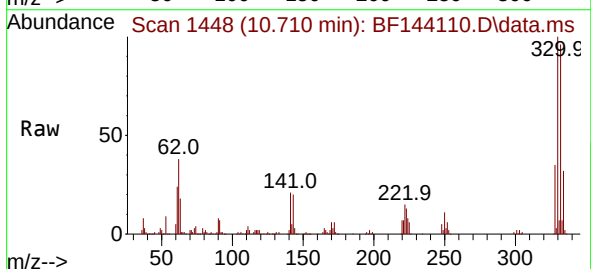
Tgt Ion:248 Resp: 15847

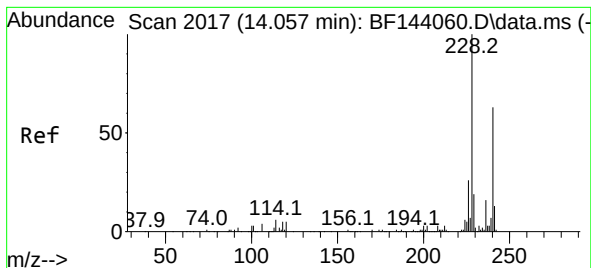
Ion Ratio Lower Upper

248 100

250 196.5 77.8 116.6#

141 391.1 50.5 75.7#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF144110.D

Acq: 28 Oct 2025 19:43

Instrument :

BNA_F

ClientSampleId :

WC-1

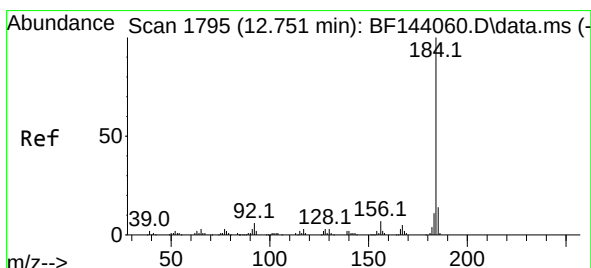
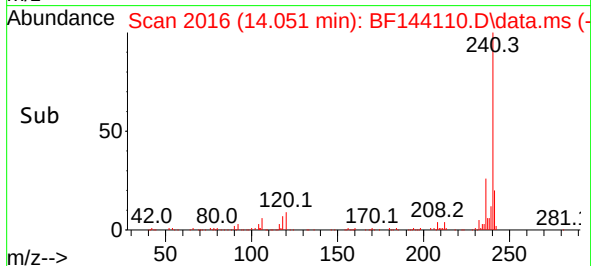
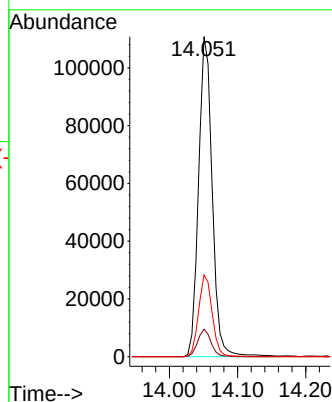
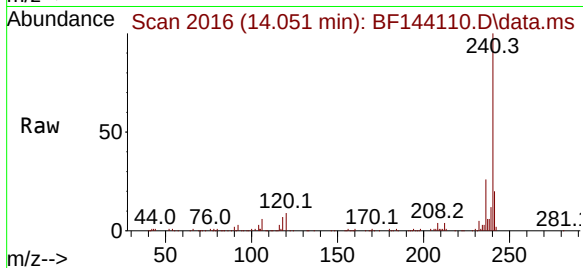
Tgt Ion:240 Resp: 153490

Ion Ratio Lower Upper

240 100

120 8.6 6.5 9.7

236 25.5 20.1 30.1



#77

Benzidine

Concen: 2.331 ng

RT: 12.998 min Scan# 1837

Delta R.T. 0.247 min

Lab File: BF144110.D

Acq: 28 Oct 2025 19:43

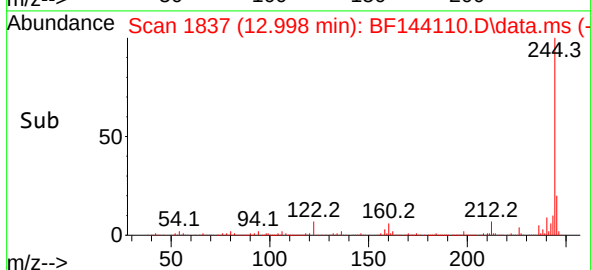
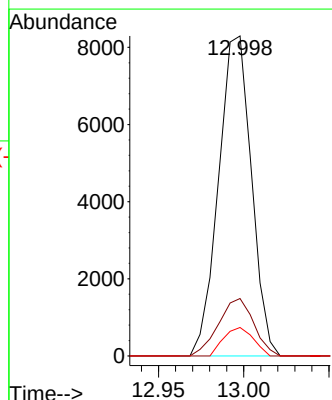
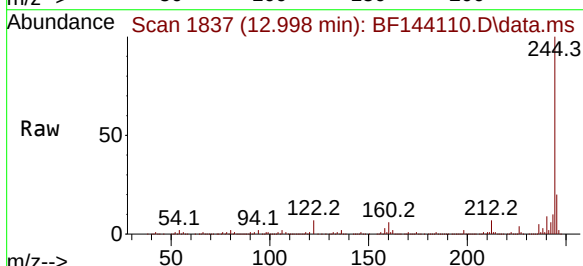
Tgt Ion:184 Resp: 11133

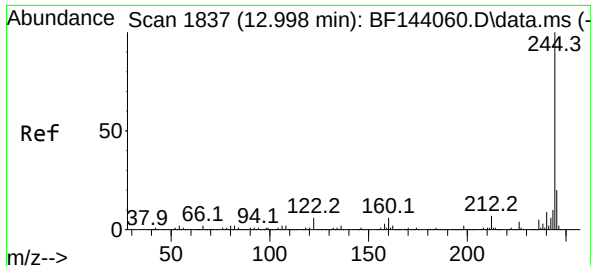
Ion Ratio Lower Upper

184 100

185 17.9 11.6 17.4#

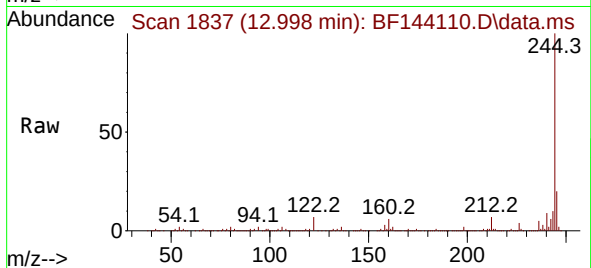
183 8.9 8.5 12.7



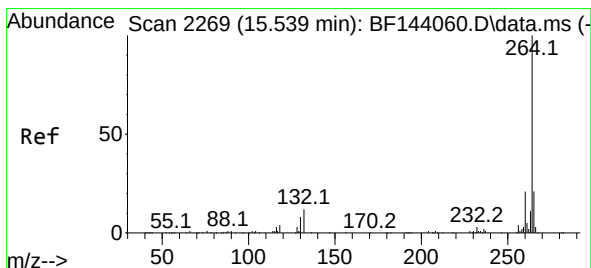
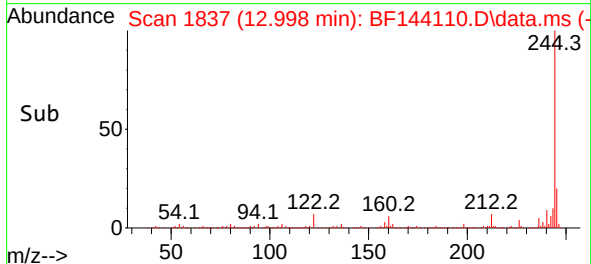
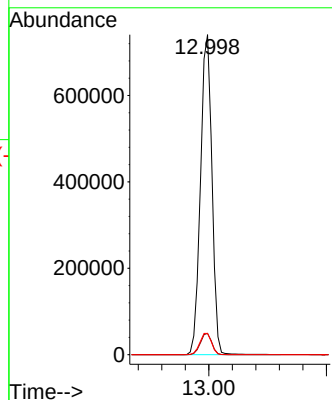


#79
 Terphenyl-d14
 Concen: 113.807 ng
 RT: 12.998 min Scan# 1837
 Delta R.T. -0.000 min
 Lab File: BF144110.D
 Acq: 28 Oct 2025 19:43

Instrument :
 BNA_F
 ClientSampleId :
 WC-1



Tgt Ion:244 Resp: 999205
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.8 8.6
 122 6.7 4.9 7.3



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.533 min Scan# 2268
 Delta R.T. -0.006 min
 Lab File: BF144110.D
 Acq: 28 Oct 2025 19:43

Tgt Ion:264 Resp: 170256
 Ion Ratio Lower Upper
 264 100
 260 23.3 17.0 25.4
 265 20.9 16.6 24.8

