

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
 Data File : BF144108.D
 Acq On : 28 Oct 2025 18:44
 Operator : RC/JU
 Sample : Q3439-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-10

Quant Time: Oct 28 19:06:54 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)

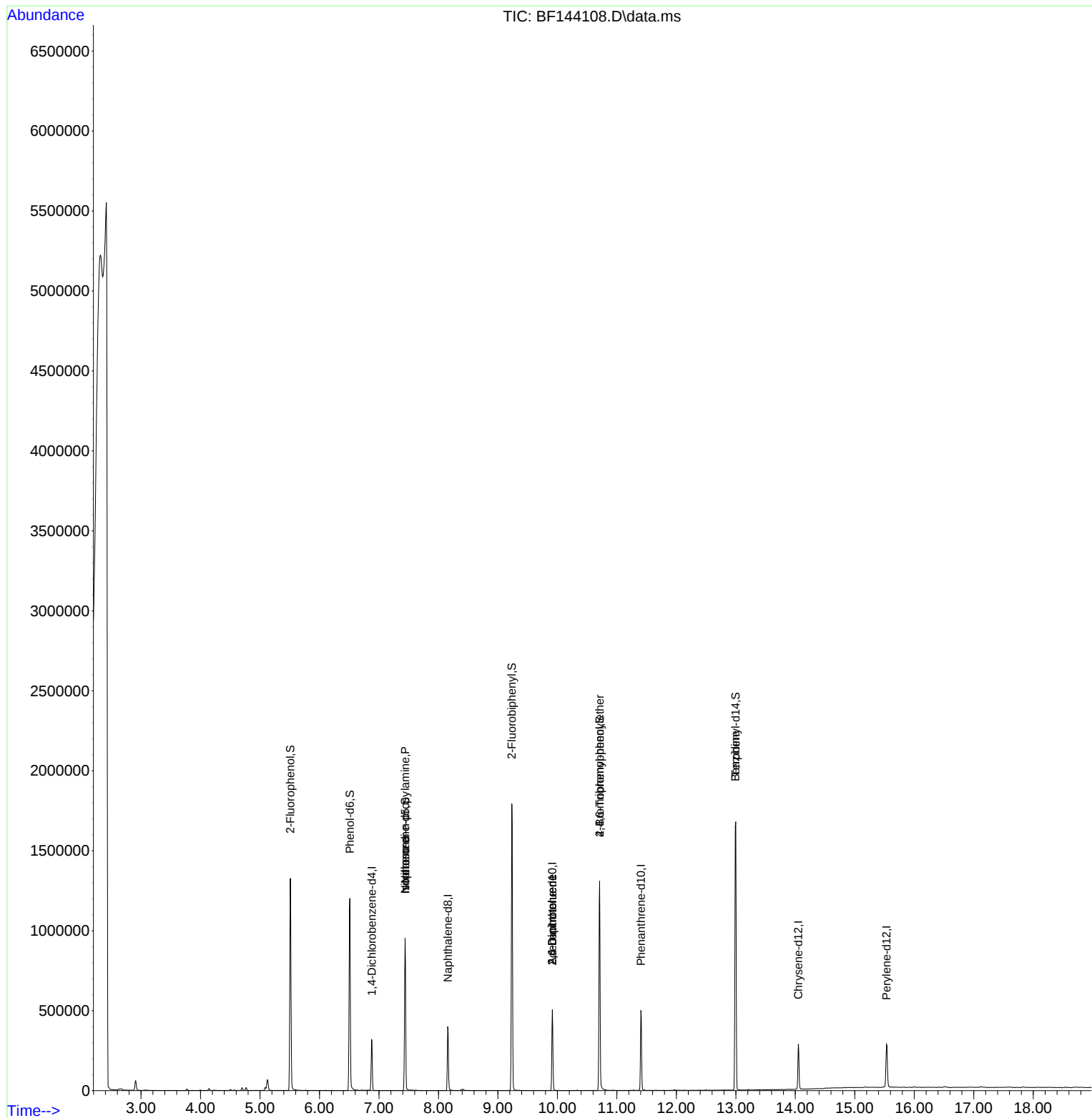
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	67441	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	261921	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	156621	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	281038	20.000	ng	0.00
76) Chrysene-d12	14.051	240	152325	20.000	ng	0.00
86) Perylene-d12	15.533	264	185981	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	487379	114.335	ng	0.02
7) Phenol-d6	6.510	99	522833	111.058	ng	0.00
23) Nitrobenzene-d5	7.439	82	407685	85.277	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	273653	137.166	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	845370	75.955	ng	0.00
79) Terphenyl-d14	12.998	244	941473	108.052	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.439	70	63744	20.939	ng	Qvalue # 73
25) Isophorone	7.439	82	407679	48.776	ng	# 66
51) 2,6-Dinitrotoluene	9.916	165	20140	9.923	ng	# 23
57) 2,4-Dinitrotoluene	9.916	165	20140	7.353	ng	# 26
67) 4-Bromophenyl-phenylether	10.710	248	15173	4.312	ng	# 1
77) Benzidine	12.992	184	11011	2.323	ng	# 95

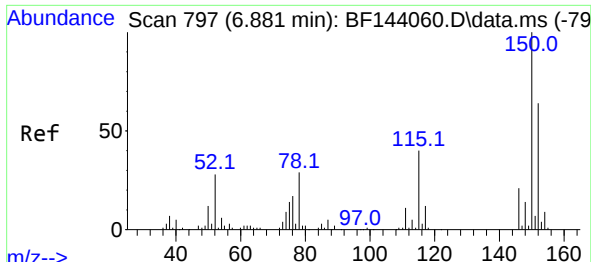
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
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Misc :
ALS Vial : 13 Sample Multiplier: 1

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TP-10

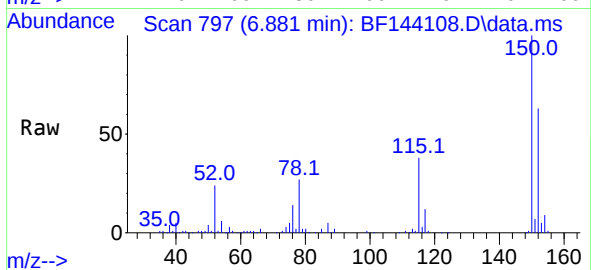
Quant Time: Oct 28 19:06:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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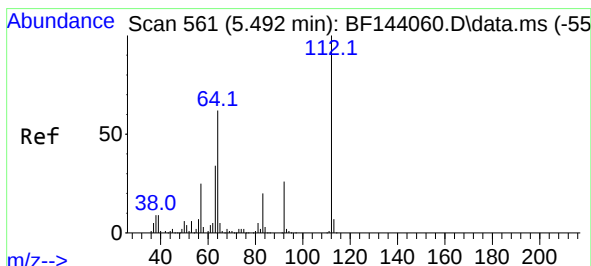
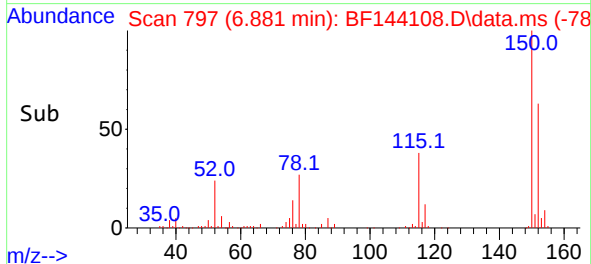
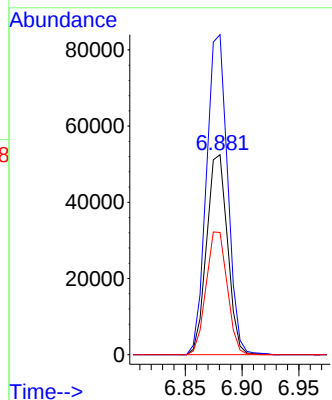


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 79
 Delta R.T. -0.000 min
 Lab File: BF144108.D
 Acq: 28 Oct 2025 18:44

Instrument :
 BNA_F
 ClientSampleId :
 TP-10

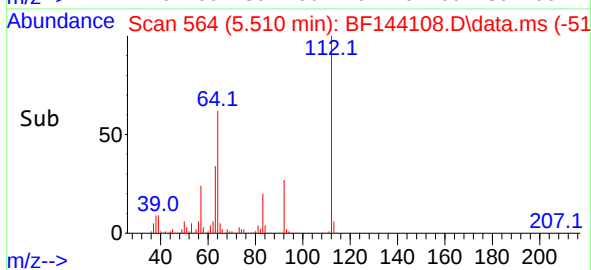
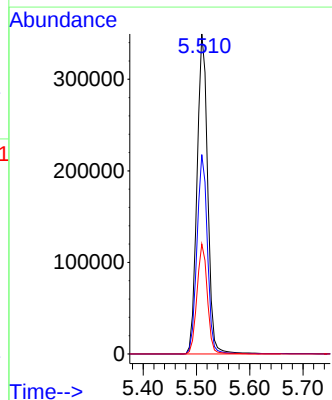
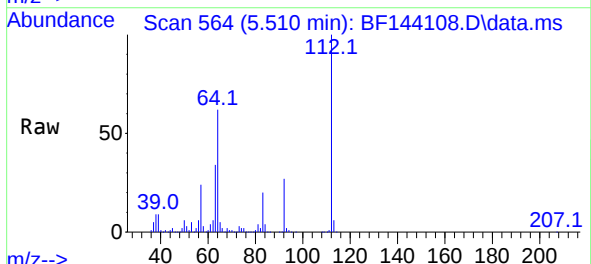


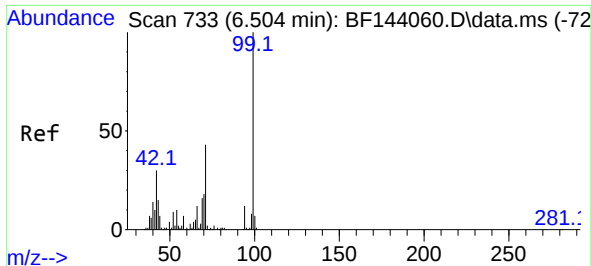
Tgt Ion:152 Resp: 67441
 Ion Ratio Lower Upper
 152 100
 150 160.0 124.4 186.6
 115 61.1 49.4 74.0



#5
 2-Fluorophenol
 Concen: 114.335 ng
 RT: 5.510 min Scan# 564
 Delta R.T. 0.018 min
 Lab File: BF144108.D
 Acq: 28 Oct 2025 18:44

Tgt Ion:112 Resp: 487379
 Ion Ratio Lower Upper
 112 100
 64 62.3 49.8 74.8
 63 34.3 27.4 41.2

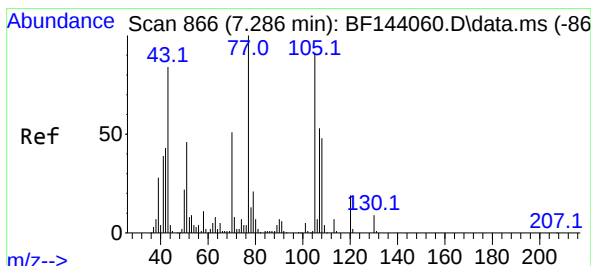
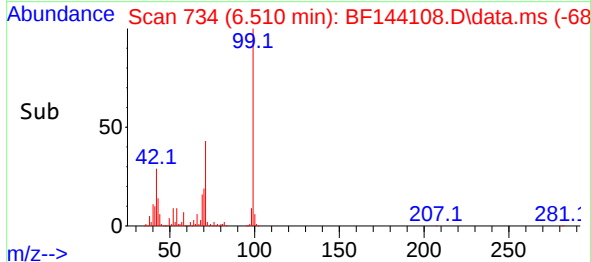
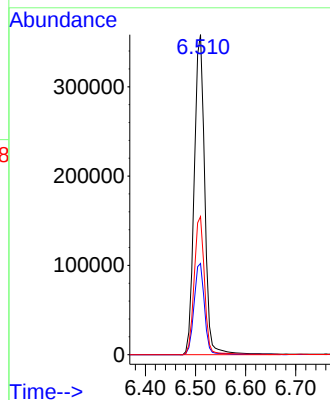
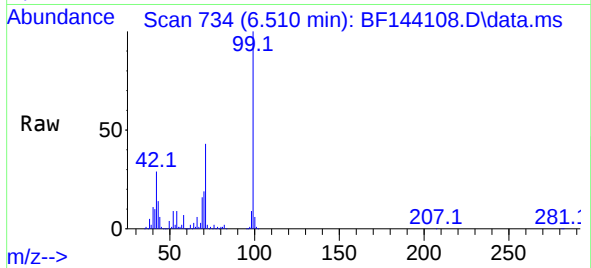




#7
Phenol-d6
Concen: 111.058 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF144108.D
Acq: 28 Oct 2025 18:44

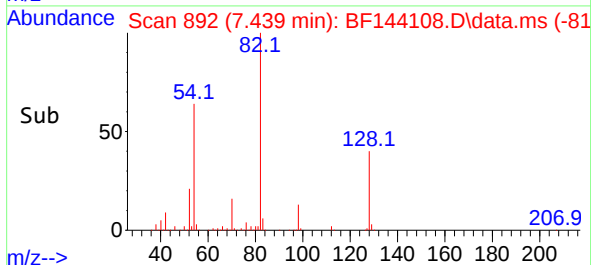
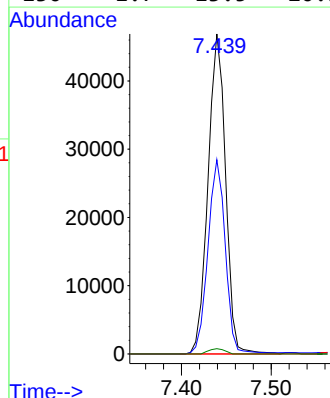
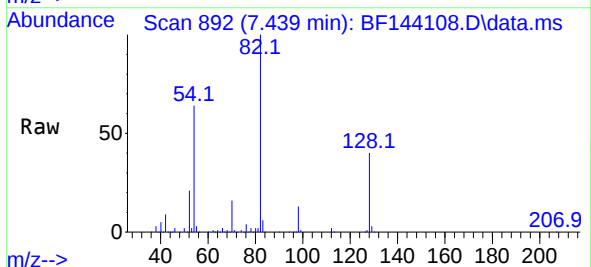
Instrument :
BNA_F
ClientSampleId :
TP-10

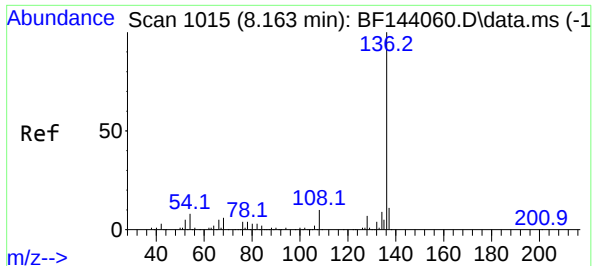
Tgt Ion: 99 Resp: 522833
Ion Ratio Lower Upper
99 100
42 28.5 23.9 35.9
71 43.2 34.4 51.6



#19
n-Nitroso-di-n-propylamine
Concen: 20.939 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.153 min
Lab File: BF144108.D
Acq: 28 Oct 2025 18:44

Tgt Ion: 70 Resp: 63744
Ion Ratio Lower Upper
70 100
42 60.7 67.4 101.0#
101 0.0 7.1 10.7#
130 1.7 13.5 20.3#

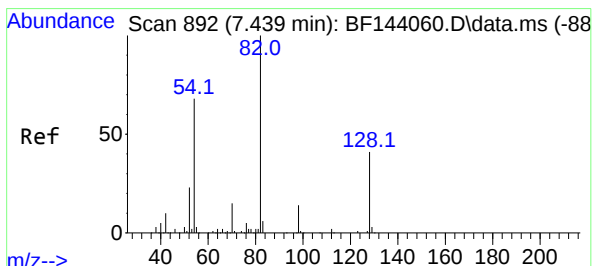
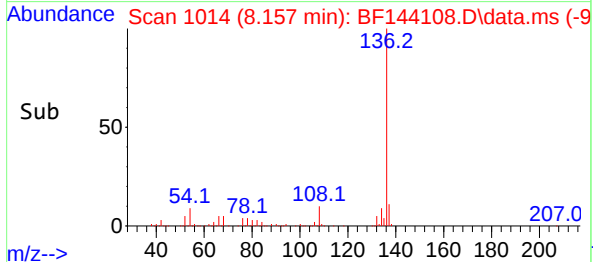
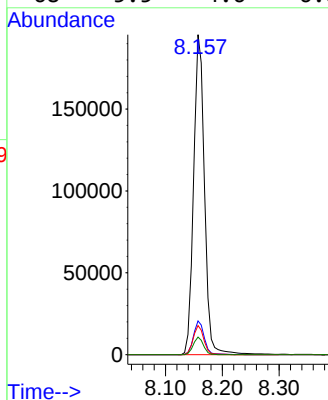
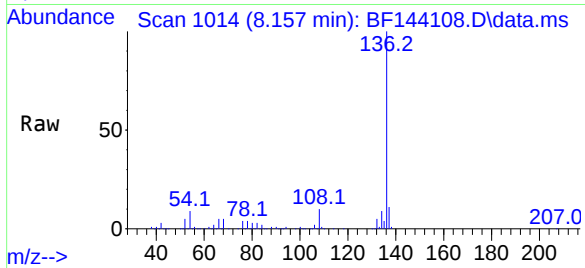




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF144108.D
Acq: 28 Oct 2025 18:44

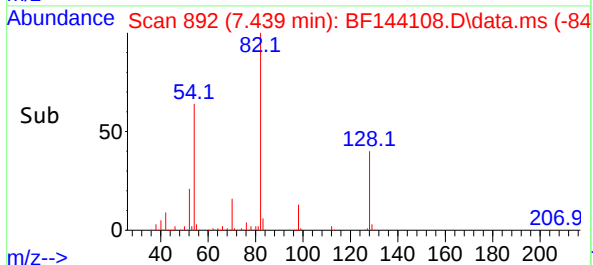
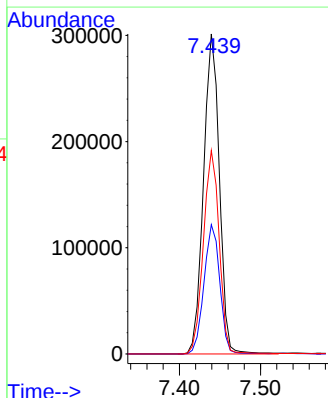
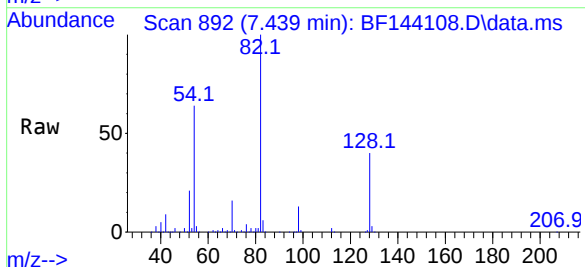
Instrument :
BNA_F
ClientSampleId :
TP-10

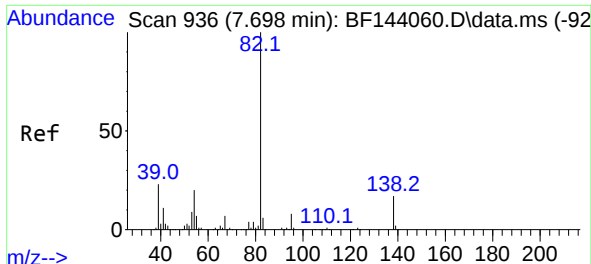
Tgt Ion:136 Resp: 261921
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 9.1 6.6 9.8
68 5.5 4.6 6.8



#23
Nitrobenzene-d5
Concen: 85.277 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.000 min
Lab File: BF144108.D
Acq: 28 Oct 2025 18:44

Tgt Ion: 82 Resp: 407685
Ion Ratio Lower Upper
82 100
128 40.4 32.4 48.6
54 63.6 54.0 81.0

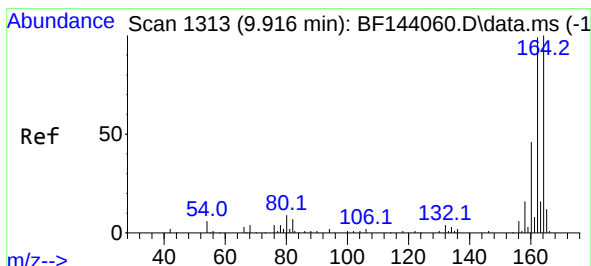
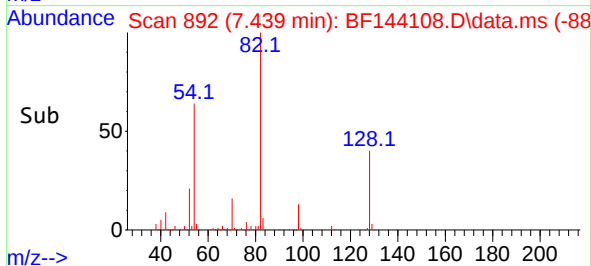
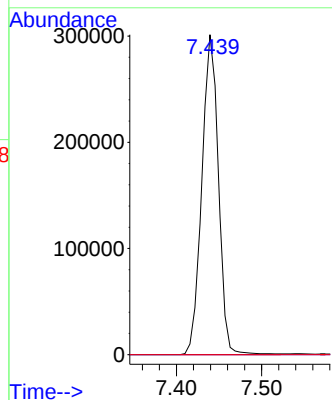
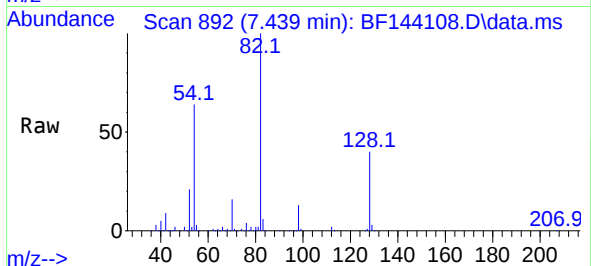




#25
Isophorone
Concen: 48.776 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.259 min
Lab File: BF144108.D
Acq: 28 Oct 2025 18:44

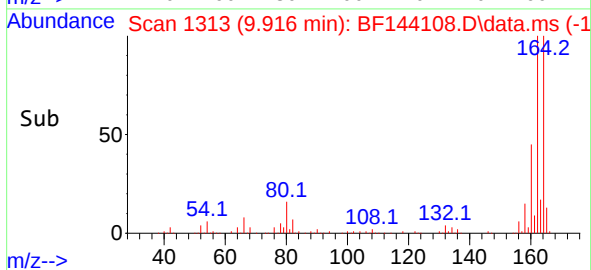
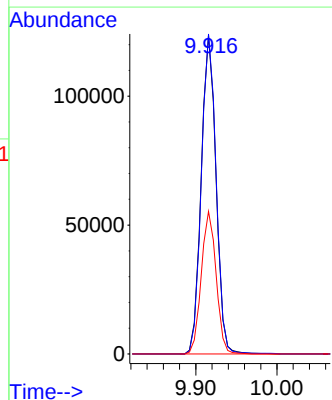
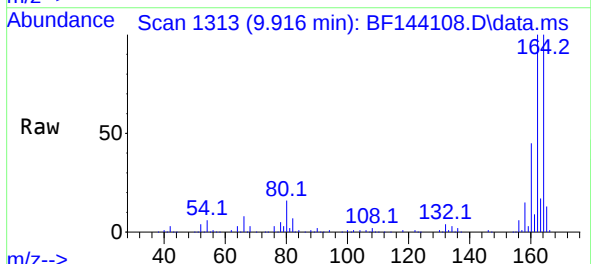
Instrument :
BNA_F
ClientSampleId :
TP-10

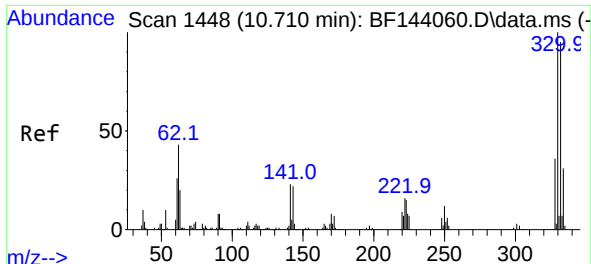
Tgt Ion: 82 Resp: 407679
Ion Ratio Lower Upper
82 100
95 0.0 6.6 9.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.000 min
Lab File: BF144108.D
Acq: 28 Oct 2025 18:44

Tgt Ion:164 Resp: 156621
Ion Ratio Lower Upper
164 100
162 100.4 79.4 119.2
160 44.7 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 137.166 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.000 min

Lab File: BF144108.D

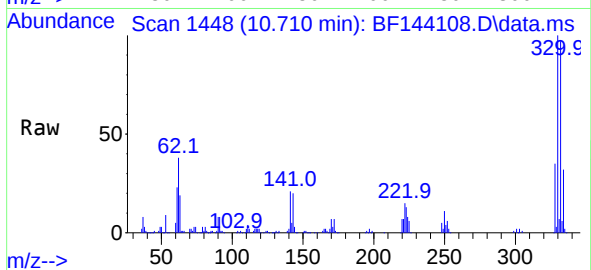
Acq: 28 Oct 2025 18:44

Instrument :

BNA_F

ClientSampleId :

TP-10



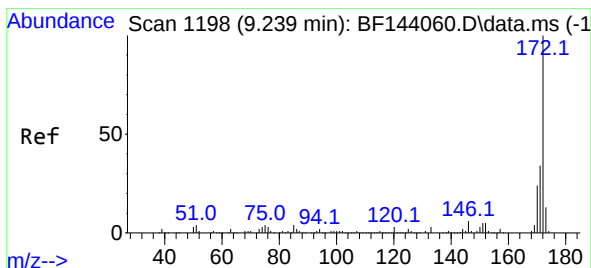
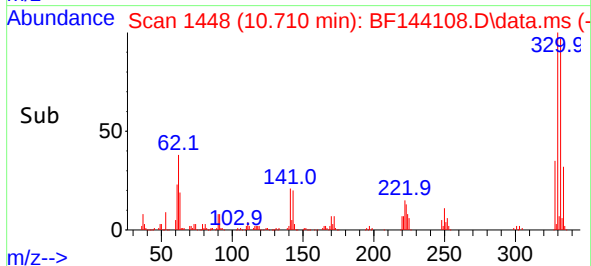
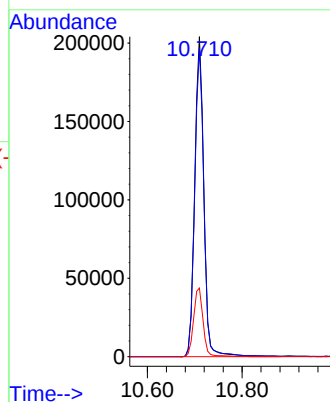
Tgt Ion:330 Resp: 273653

Ion Ratio Lower Upper

330 100

332 96.8 77.0 115.6

141 22.4 19.4 29.0



#45

2-Fluorobiphenyl

Concen: 75.955 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.006 min

Lab File: BF144108.D

Acq: 28 Oct 2025 18:44

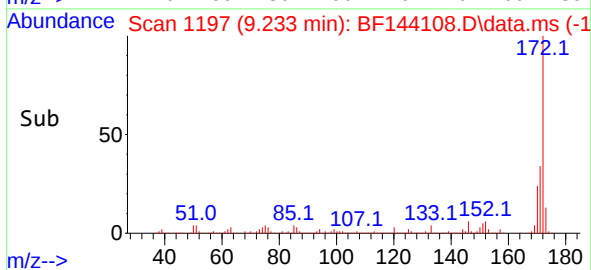
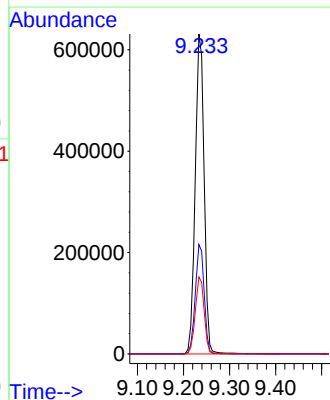
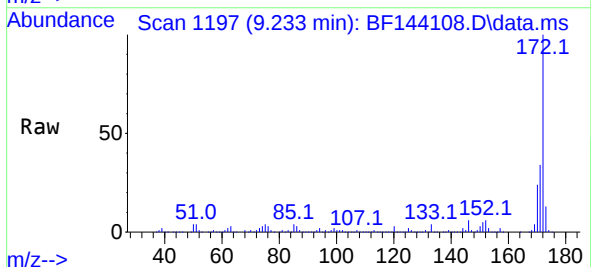
Tgt Ion:172 Resp: 845370

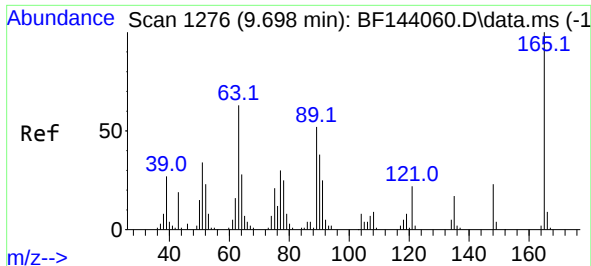
Ion Ratio Lower Upper

172 100

171 34.2 27.5 41.3

170 24.0 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 9.923 ng

RT: 9.916 min Scan# 11

Delta R.T. 0.218 min

Lab File: BF144108.D

Acq: 28 Oct 2025 18:44

Instrument :

BNA_F

ClientSampleId :

TP-10

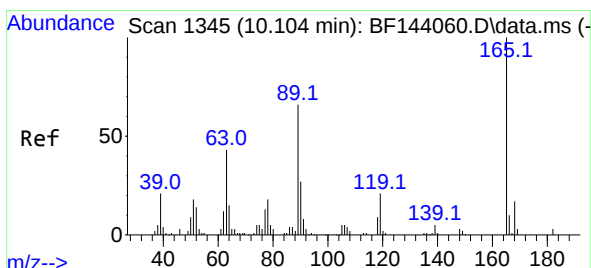
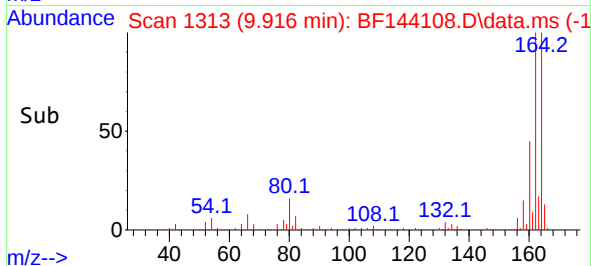
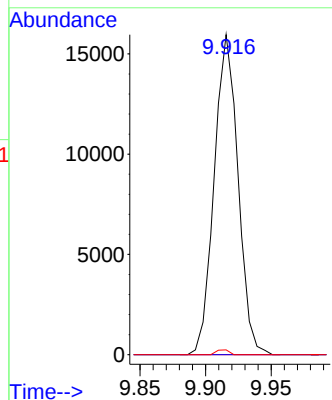
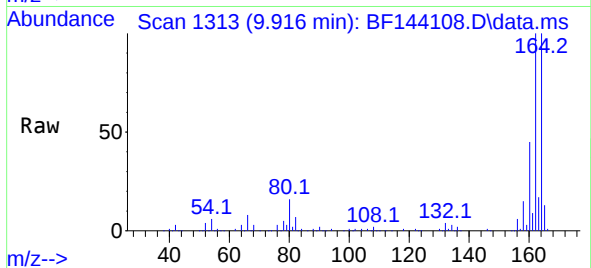
Tgt Ion:165 Resp: 20140

Ion Ratio Lower Upper

165 100

63 0.0 50.4 75.6#

89 1.5 41.4 62.2#



#57

2,4-Dinitrotoluene

Concen: 7.353 ng

RT: 9.916 min Scan# 1313

Delta R.T. -0.188 min

Lab File: BF144108.D

Acq: 28 Oct 2025 18:44

Tgt Ion:165 Resp: 20140

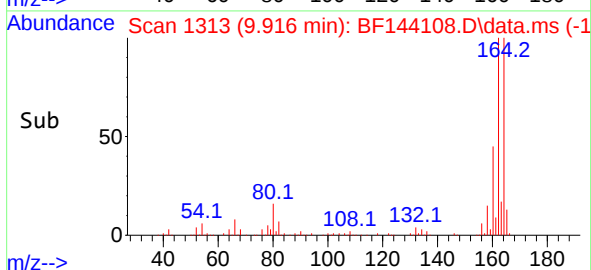
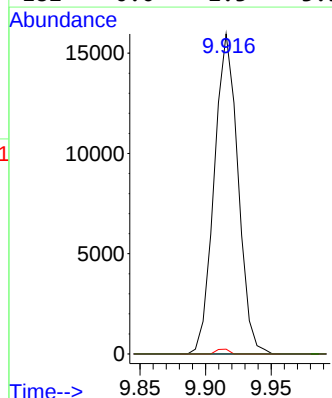
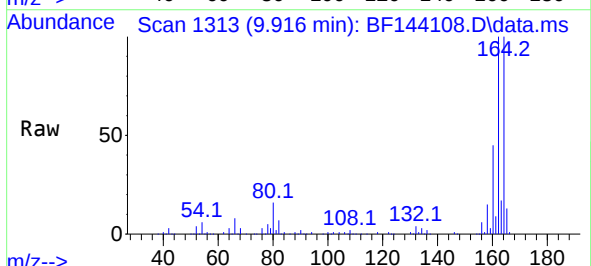
Ion Ratio Lower Upper

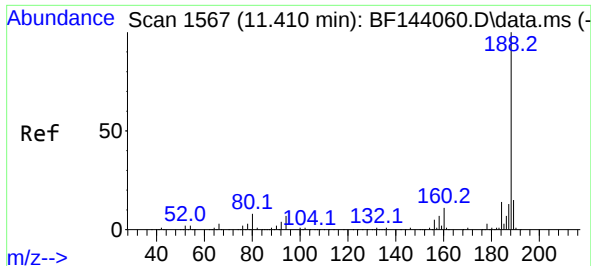
165 100

63 0.0 35.4 53.2#

89 1.5 52.7 79.1#

182 0.0 2.3 3.5#

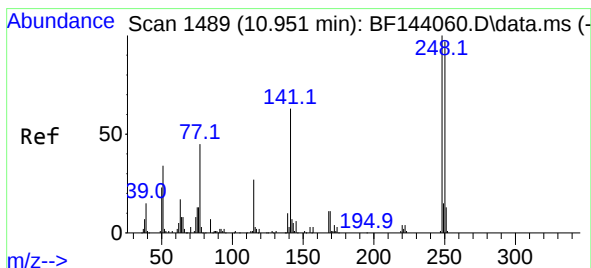
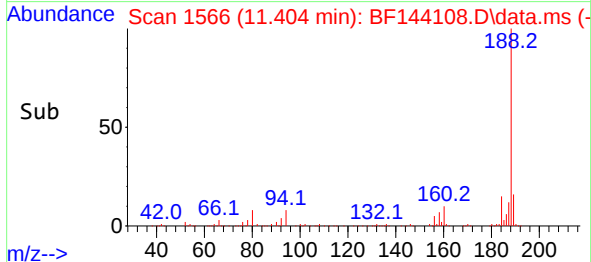
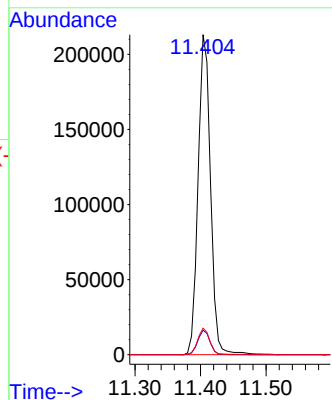
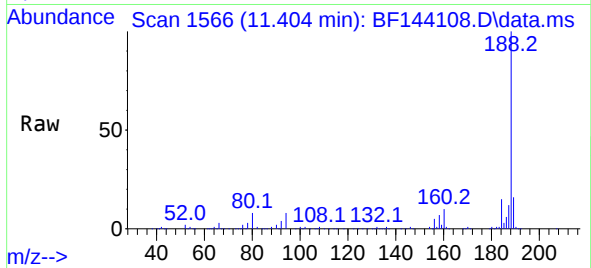




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144108.D
Acq: 28 Oct 2025 18:44

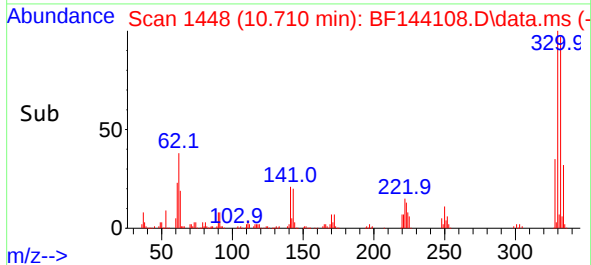
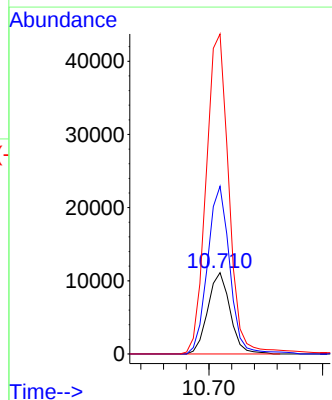
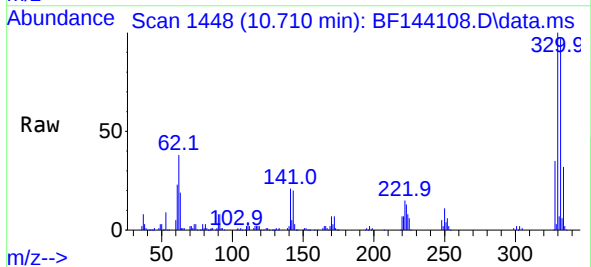
Instrument :
BNA_F
ClientSampleId :
TP-10

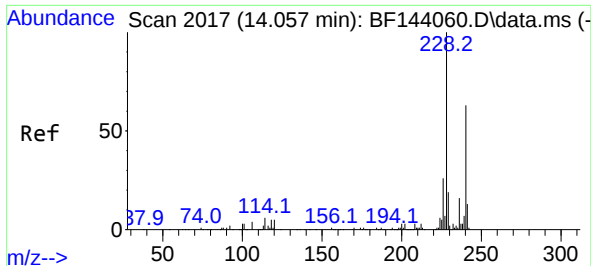
Tgt Ion:188 Resp: 281038
Ion Ratio Lower Upper
188 100
94 7.7 5.4 8.0
80 8.3 6.0 9.0



#67
4-Bromophenyl-phenylether
Concen: 4.312 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.241 min
Lab File: BF144108.D
Acq: 28 Oct 2025 18:44

Tgt Ion:248 Resp: 15173
Ion Ratio Lower Upper
248 100
250 206.5 77.8 116.6#
141 393.9 50.5 75.7#

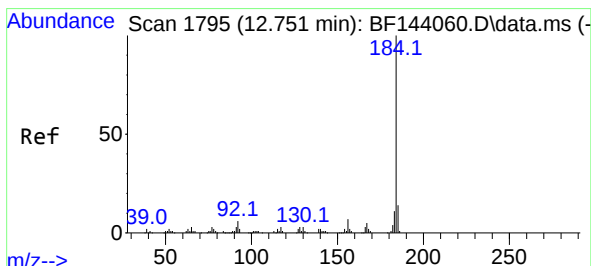
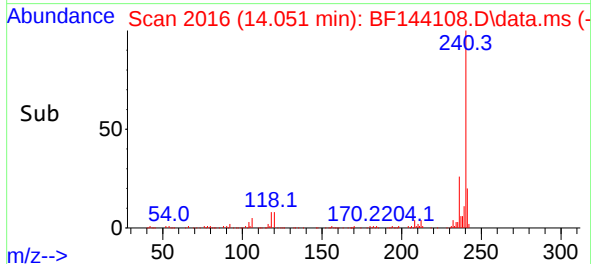
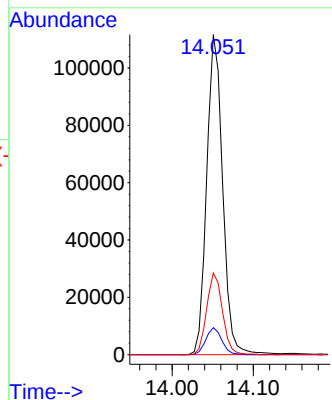
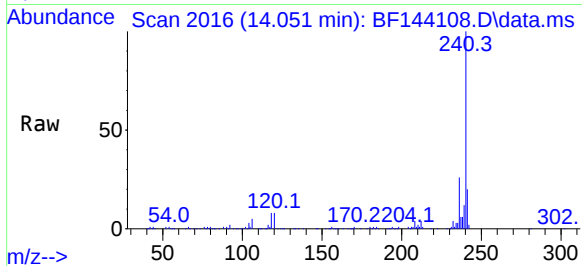




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF144108.D
Acq: 28 Oct 2025 18:44

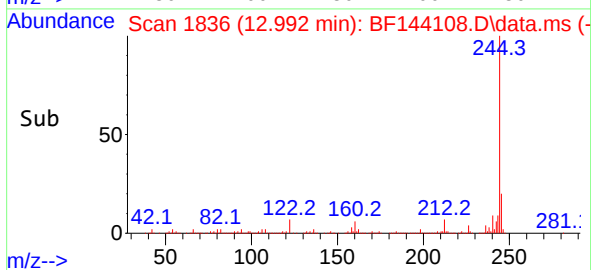
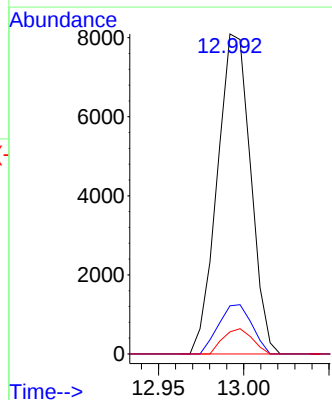
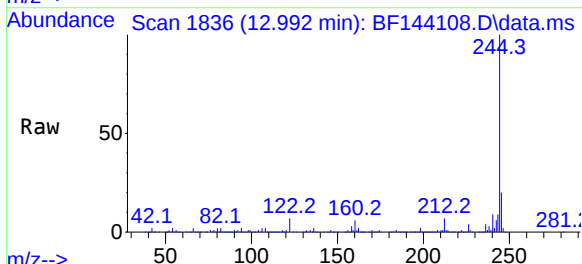
Instrument :
BNA_F
ClientSampleId :
TP-10

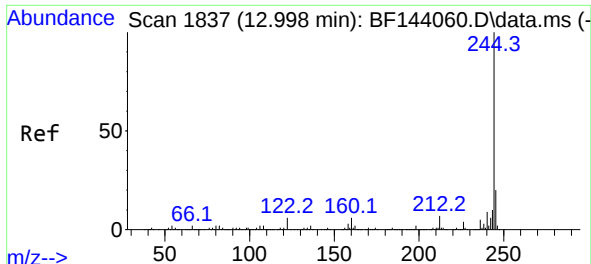
Tgt Ion:240 Resp: 152325
Ion Ratio Lower Upper
240 100
120 8.5 6.5 9.7
236 25.5 20.1 30.1



#77
Benzidine
Concen: 2.323 ng
RT: 12.992 min Scan# 1836
Delta R.T. 0.241 min
Lab File: BF144108.D
Acq: 28 Oct 2025 18:44

Tgt Ion:184 Resp: 11011
Ion Ratio Lower Upper
184 100
185 15.0 11.6 17.4
183 6.9 8.5 12.7#

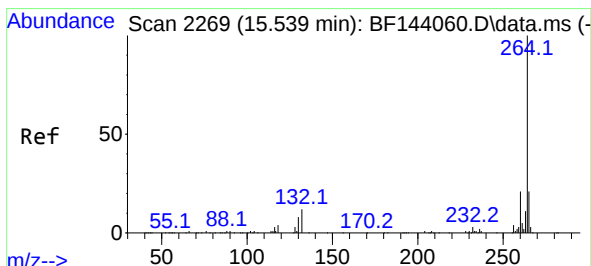
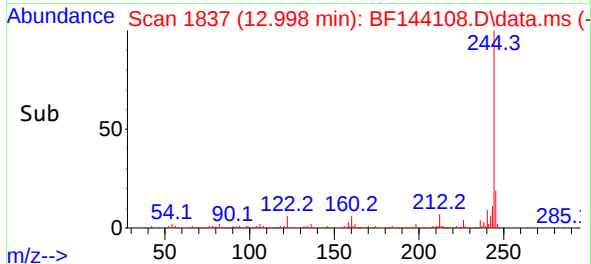
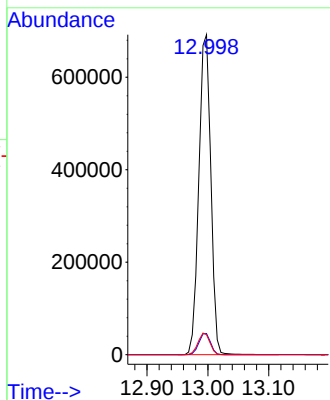
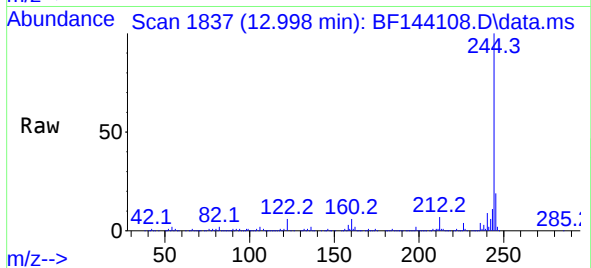




#79
 Terphenyl-d14
 Concen: 108.052 ng
 RT: 12.998 min Scan# 1837
 Delta R.T. -0.000 min
 Lab File: BF144108.D
 Acq: 28 Oct 2025 18:44

Instrument :
 BNA_F
 ClientSampleId :
 TP-10

Tgt Ion:244 Resp: 941473
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.8 8.6
 122 6.3 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: BF144108.D
 Acq: 28 Oct 2025 18:44

Tgt Ion:264 Resp: 185981
 Ion Ratio Lower Upper
 264 100
 260 21.8 17.0 25.4
 265 21.4 16.6 24.8

