

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
 Data File : BF144112.D
 Acq On : 28 Oct 2025 20:43
 Operator : RC/JU
 Sample : Q3460-12
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-3

Quant Time: Oct 29 05:46:45 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)

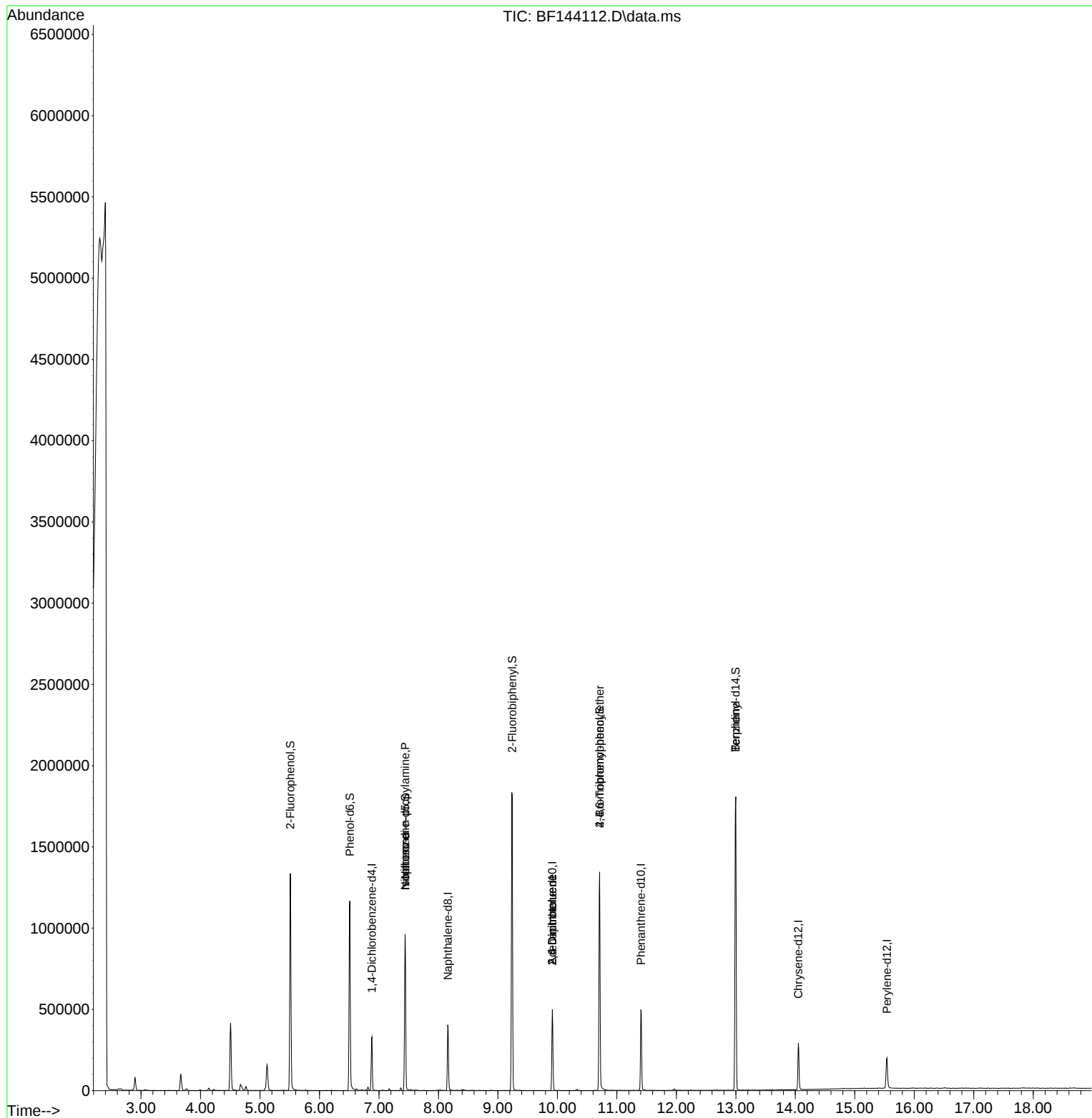
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	68240	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	269288	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	150244	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	288528	20.000	ng	0.00
76) Chrysene-d12	14.051	240	157550	20.000	ng	0.00
86) Perylene-d12	15.539	264	114838	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	497612	115.369	ng	0.02
7) Phenol-d6	6.510	99	511006	107.275	ng	0.00
23) Nitrobenzene-d5	7.439	82	415383	84.510	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	284457	148.633	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	882487	82.656	ng	0.00
79) Terphenyl-d14	12.998	244	990399	109.897	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	61878	20.088	ng	# 74
25) Isophorone	7.439	82	415377	48.338	ng	# 66
51) 2,6-Dinitrotoluene	9.916	165	19959	10.252	ng	# 23
57) 2,4-Dinitrotoluene	9.916	165	19959	7.596	ng	# 25
67) 4-Bromophenyl-phenylether	10.710	248	15472	4.283	ng	# 1
77) Benzidine	12.998	184	11926	2.432	ng	95

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

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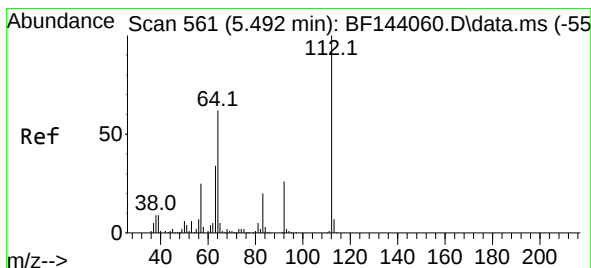
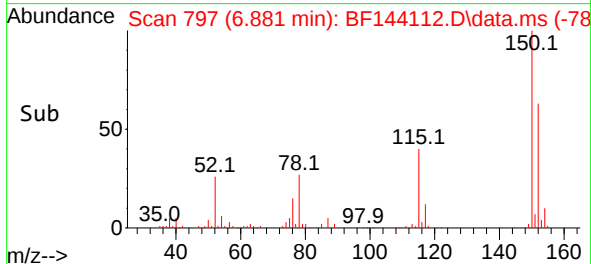
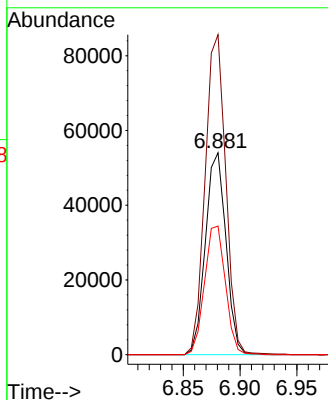
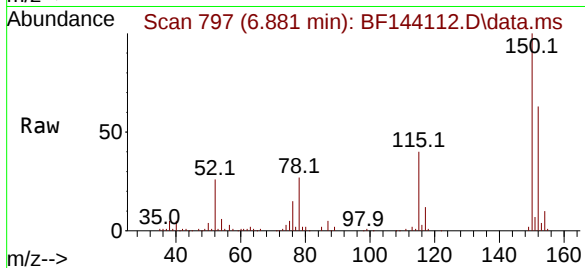




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.000 min
Lab File: BF144112.D
Acq: 28 Oct 2025 20:43

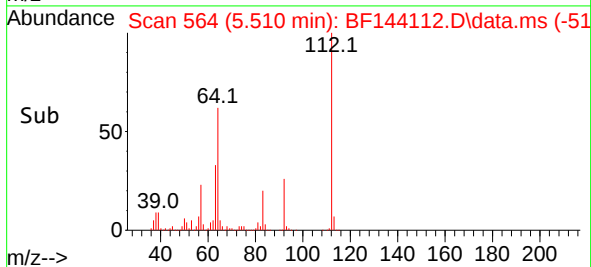
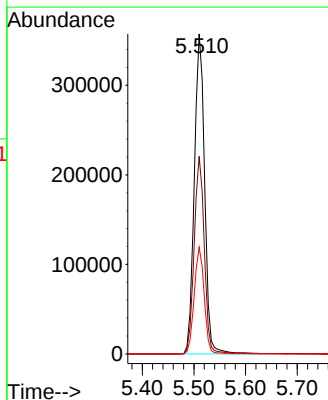
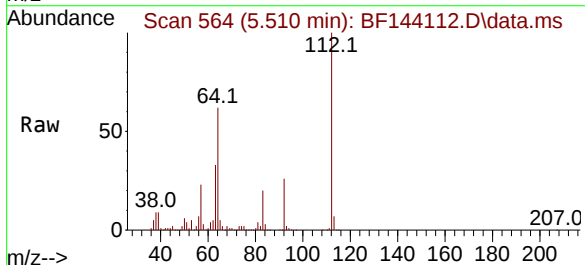
Instrument :
BNA_F
ClientSampleId :
WC-3

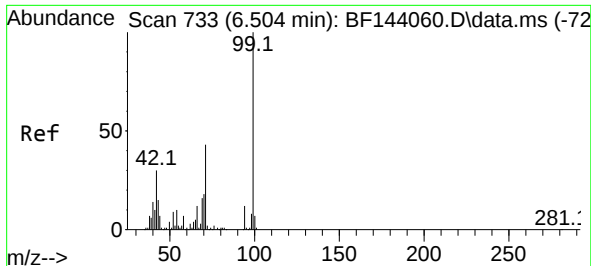
Tgt Ion:152 Resp: 68240
Ion Ratio Lower Upper
152 100
150 158.5 124.4 186.6
115 63.7 49.4 74.0



#5
2-Fluorophenol
Concen: 115.369 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.018 min
Lab File: BF144112.D
Acq: 28 Oct 2025 20:43

Tgt Ion:112 Resp: 497612
Ion Ratio Lower Upper
112 100
64 61.7 49.8 74.8
63 33.4 27.4 41.2

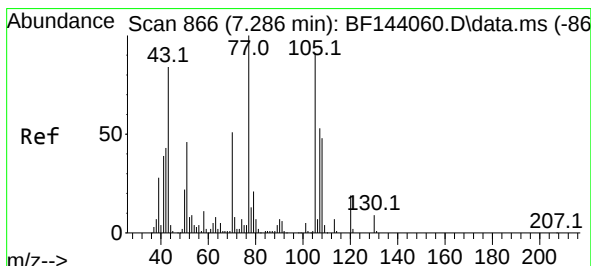
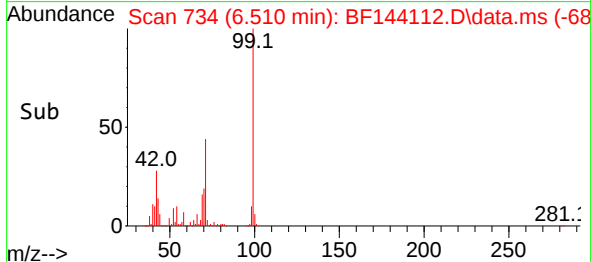
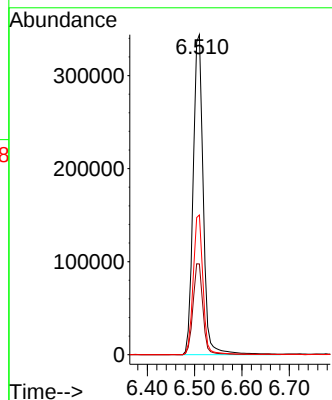
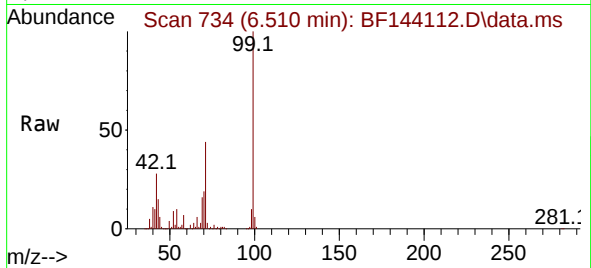




#7
Phenol-d6
Concen: 107.275 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF144112.D
Acq: 28 Oct 2025 20:43

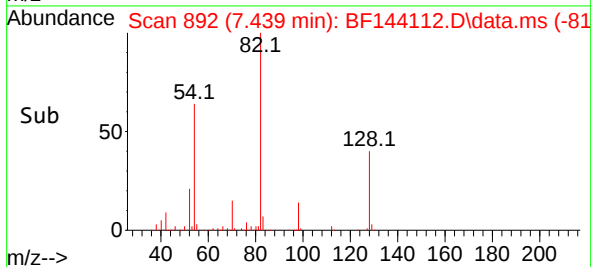
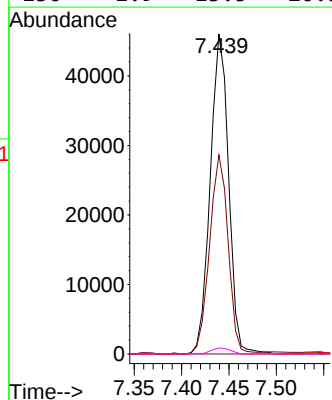
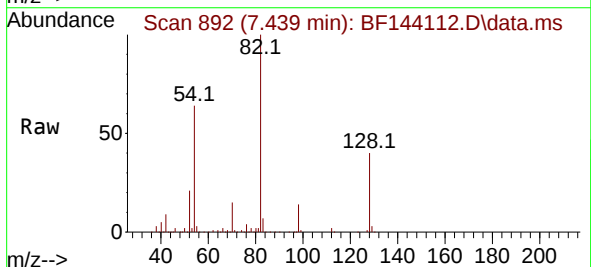
Instrument :
BNA_F
ClientSampleId :
WC-3

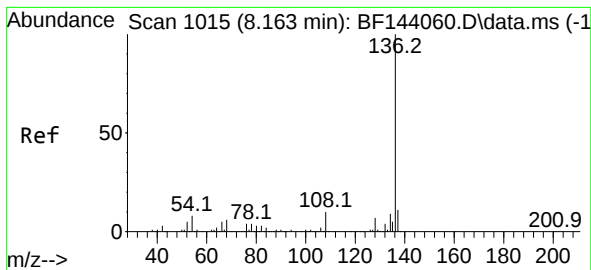
Tgt Ion: 99 Resp: 511006
Ion Ratio Lower Upper
99 100
42 28.3 23.9 35.9
71 43.7 34.4 51.6



#19
n-Nitroso-di-n-propylamine
Concen: 20.088 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.153 min
Lab File: BF144112.D
Acq: 28 Oct 2025 20:43

Tgt Ion: 70 Resp: 61878
Ion Ratio Lower Upper
70 100
42 62.1 67.4 101.0#
101 0.0 7.1 10.7#
130 1.9 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: BF144112.D

Acq: 28 Oct 2025 20:43

Instrument :

BNA_F

ClientSampleId :

WC-3

Tgt Ion:136 Resp: 269288

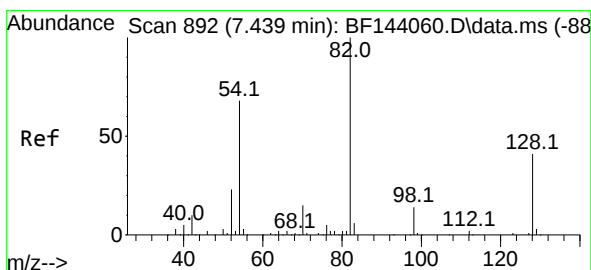
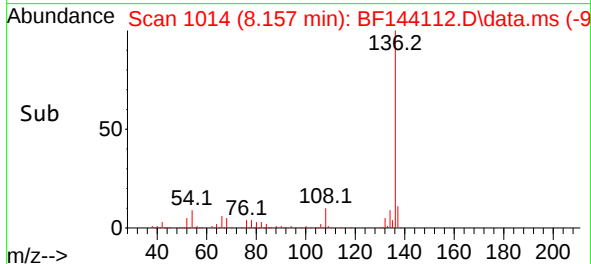
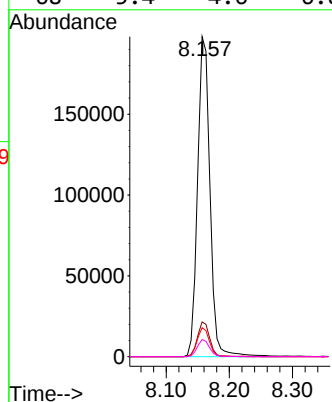
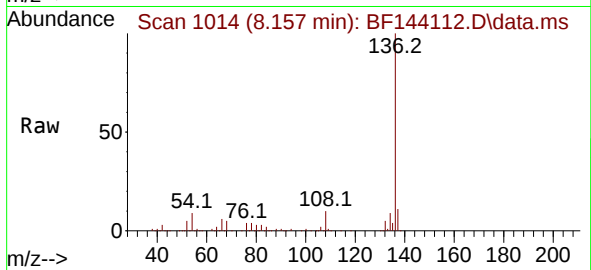
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 9.0 6.6 9.8

68 5.4 4.6 6.8



#23

Nitrobenzene-d5

Concen: 84.510 ng

RT: 7.439 min Scan# 892

Delta R.T. -0.000 min

Lab File: BF144112.D

Acq: 28 Oct 2025 20:43

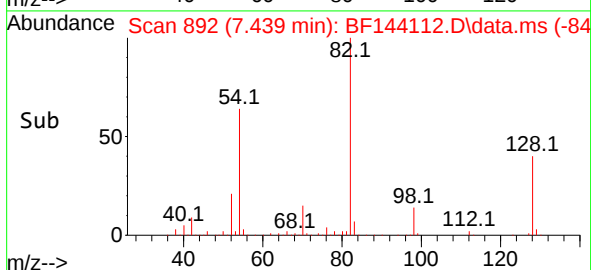
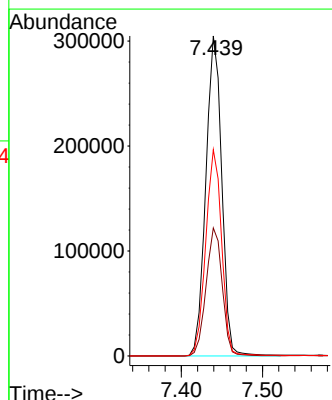
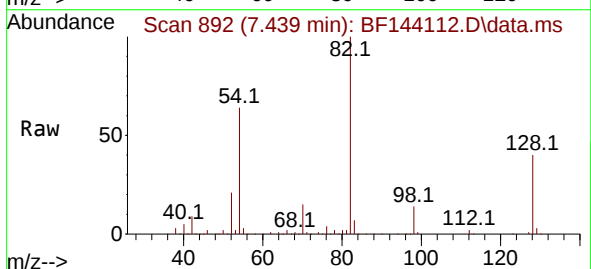
Tgt Ion: 82 Resp: 415383

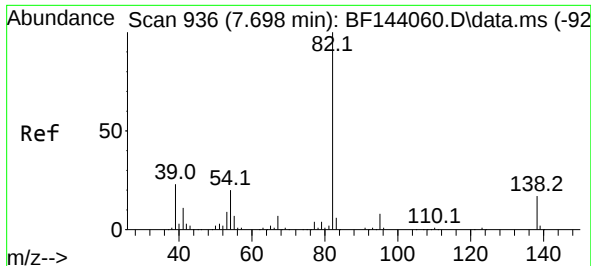
Ion Ratio Lower Upper

82 100

128 40.0 32.4 48.6

54 64.4 54.0 81.0

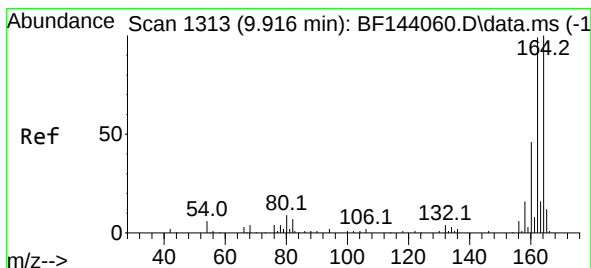
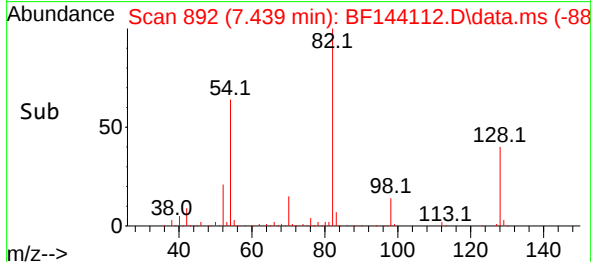
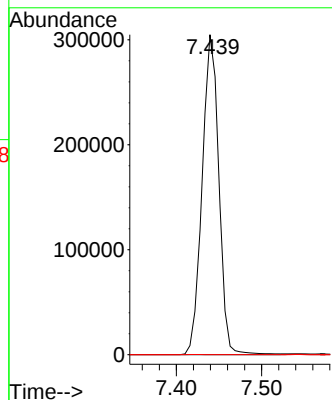
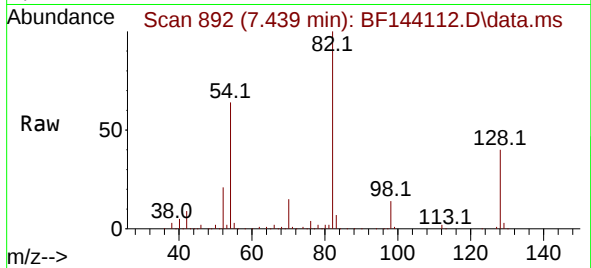




#25
Isophorone
Concen: 48.338 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.259 min
Lab File: BF144112.D
Acq: 28 Oct 2025 20:43

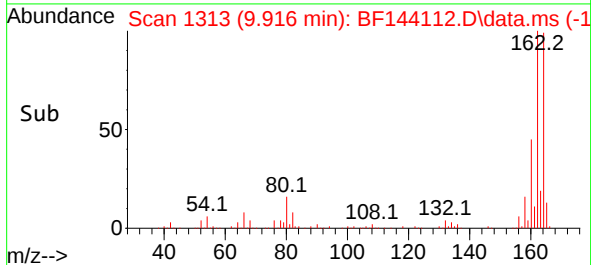
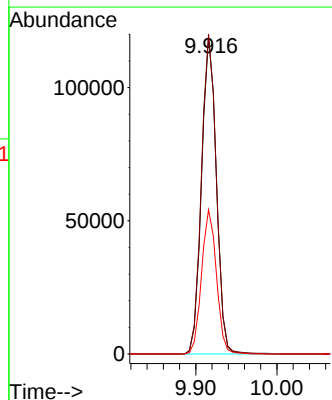
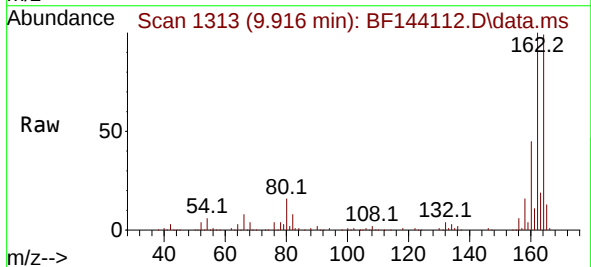
Instrument :
BNA_F
ClientSampleId :
WC-3

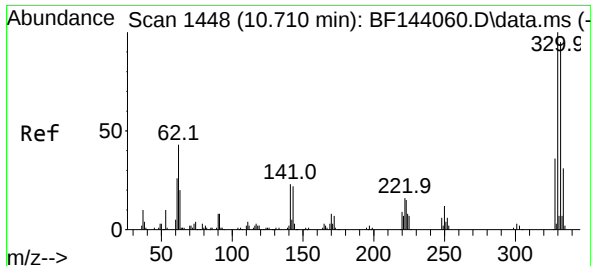
Tgt Ion: 82 Resp: 415377
Ion Ratio Lower Upper
82 100
95 0.0 6.6 9.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.000 min
Lab File: BF144112.D
Acq: 28 Oct 2025 20:43

Tgt Ion:164 Resp: 150244
Ion Ratio Lower Upper
164 100
162 100.8 79.4 119.2
160 45.5 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 148.633 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.000 min

Lab File: BF144112.D

Acq: 28 Oct 2025 20:43

Instrument :

BNA_F

ClientSampleId :

WC-3

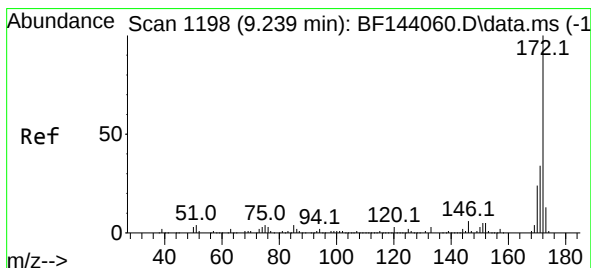
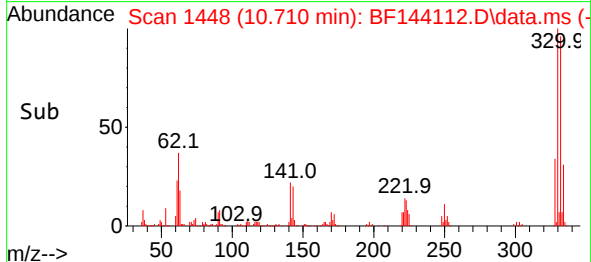
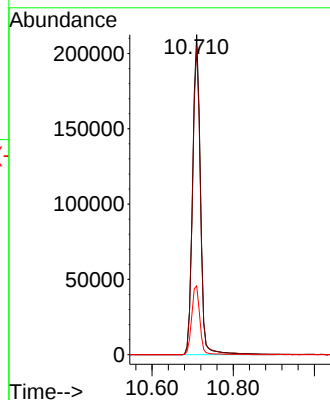
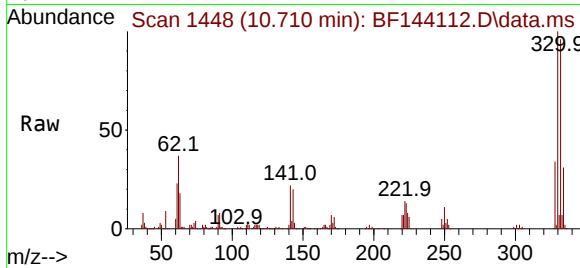
Tgt Ion:330 Resp: 284457

Ion Ratio Lower Upper

330 100

332 95.7 77.0 115.6

141 22.4 19.4 29.0



#45

2-Fluorobiphenyl

Concen: 82.656 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.000 min

Lab File: BF144112.D

Acq: 28 Oct 2025 20:43

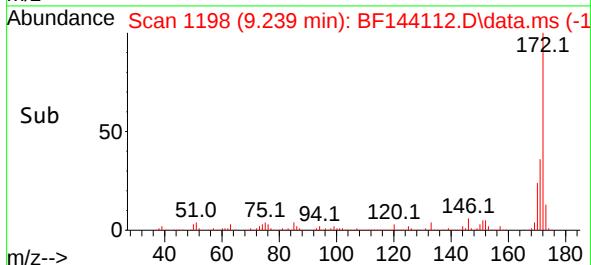
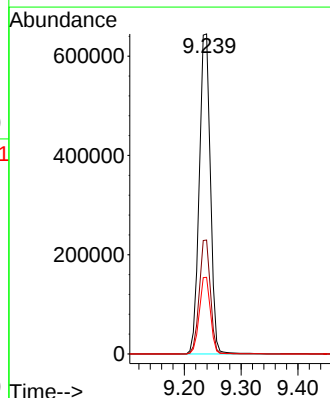
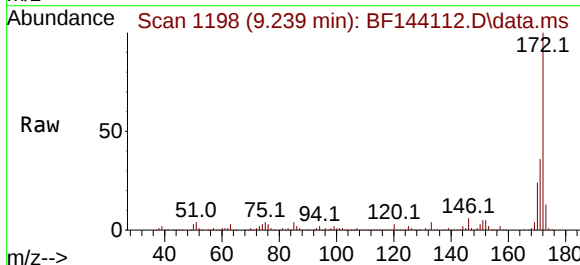
Tgt Ion:172 Resp: 882487

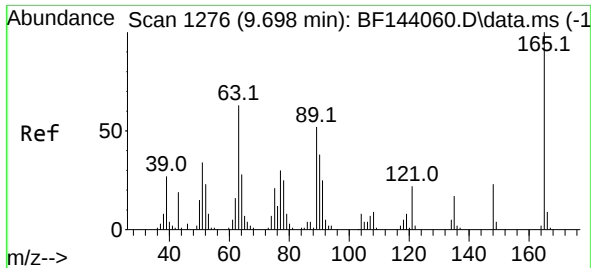
Ion Ratio Lower Upper

172 100

171 35.6 27.5 41.3

170 24.0 19.0 28.6

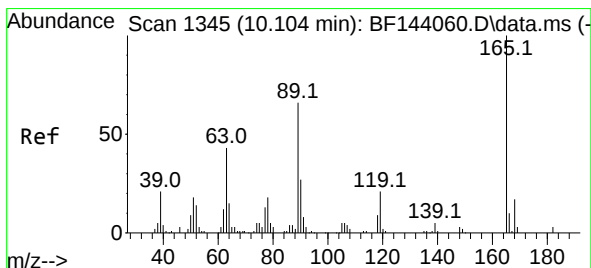
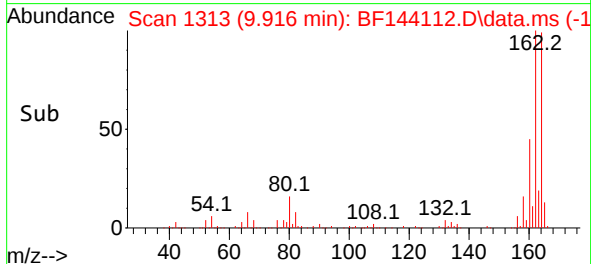
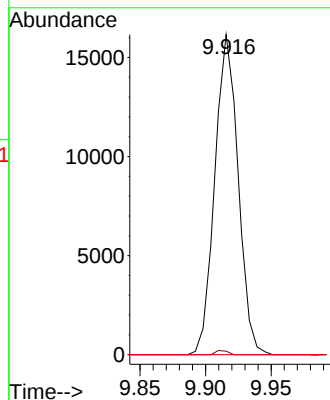
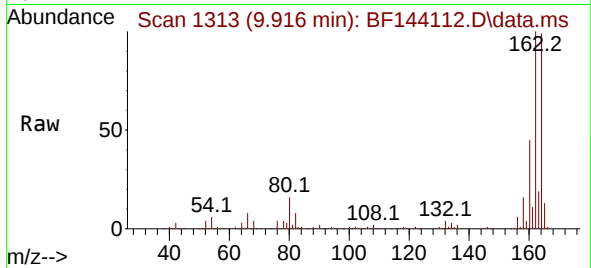




#51
2,6-Dinitrotoluene
Concen: 10.252 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF144112.D
Acq: 28 Oct 2025 20:43

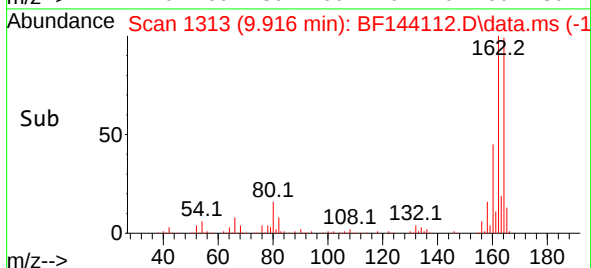
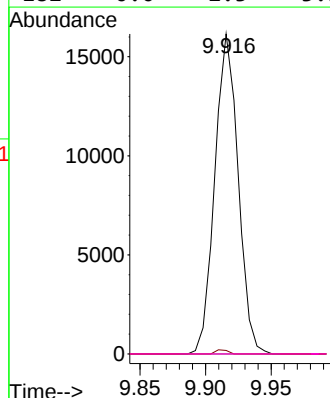
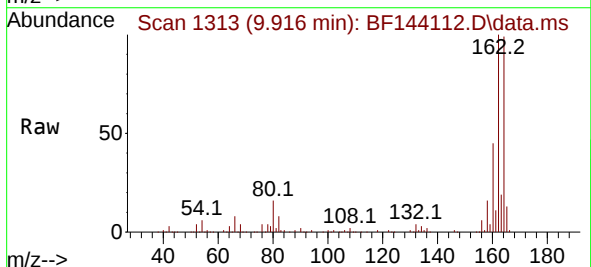
Instrument :
BNA_F
ClientSampleId :
WC-3

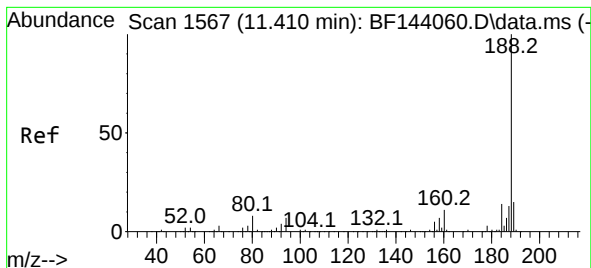
Tgt Ion:165 Resp: 19959
Ion Ratio Lower Upper
165 100
63 1.1 50.4 75.6#
89 0.0 41.4 62.2#



#57
2,4-Dinitrotoluene
Concen: 7.596 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.188 min
Lab File: BF144112.D
Acq: 28 Oct 2025 20:43

Tgt Ion:165 Resp: 19959
Ion Ratio Lower Upper
165 100
63 1.1 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# 1

Delta R.T. -0.006 min

Lab File: BF144112.D

Acq: 28 Oct 2025 20:43

Instrument :

BNA_F

ClientSampleId :

WC-3

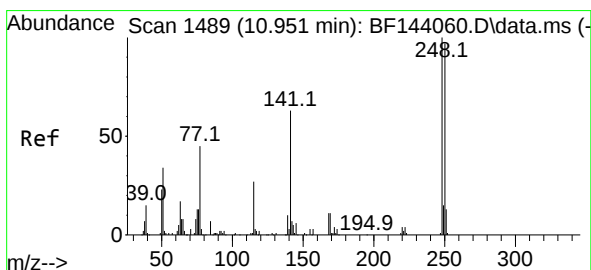
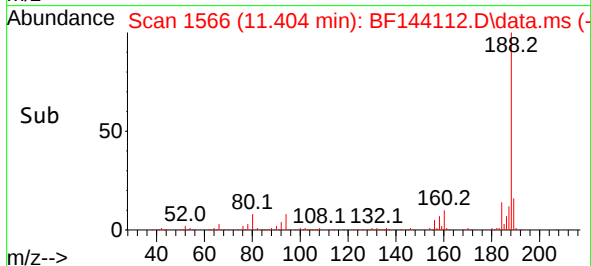
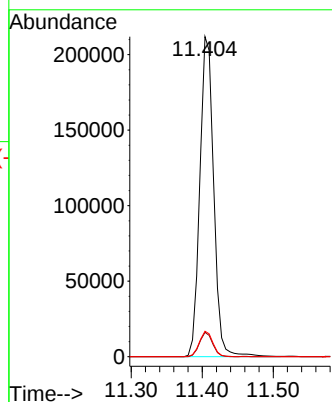
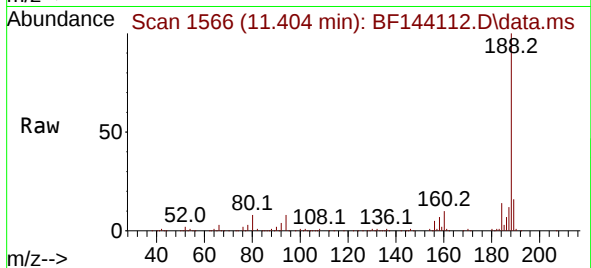
Tgt Ion:188 Resp: 288528

Ion Ratio Lower Upper

188 100

94 7.6 5.4 8.0

80 7.9 6.0 9.0



#67

4-Bromophenyl-phenylether

Concen: 4.283 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.241 min

Lab File: BF144112.D

Acq: 28 Oct 2025 20:43

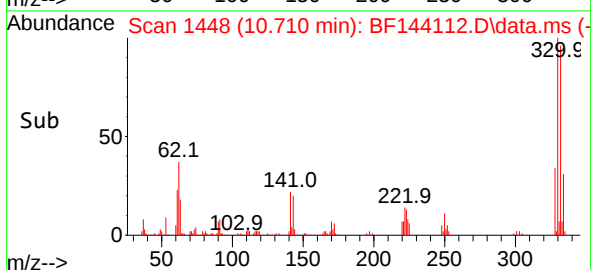
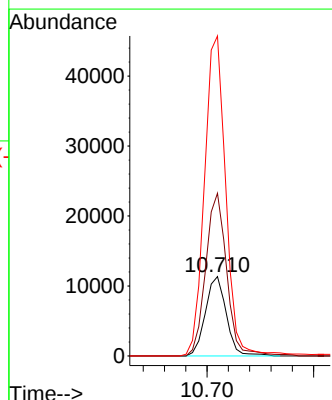
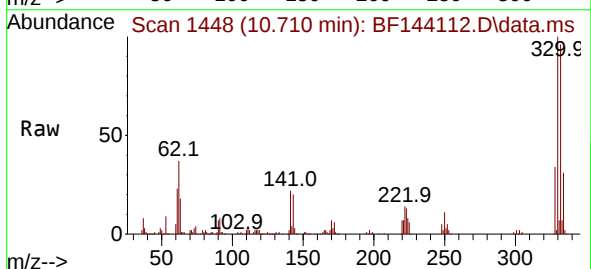
Tgt Ion:248 Resp: 15472

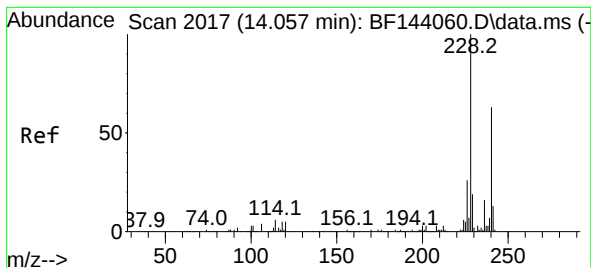
Ion Ratio Lower Upper

248 100

250 204.9 77.8 116.6#

141 403.0 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: BF144112.D

Acq: 28 Oct 2025 20:43

Instrument :

BNA_F

ClientSampleId :

WC-3

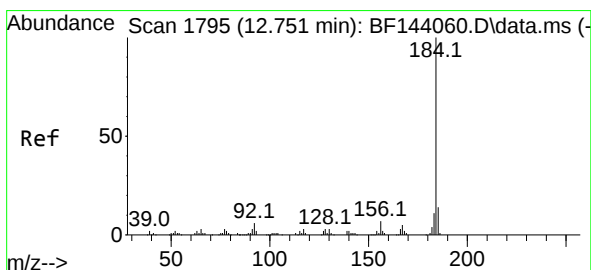
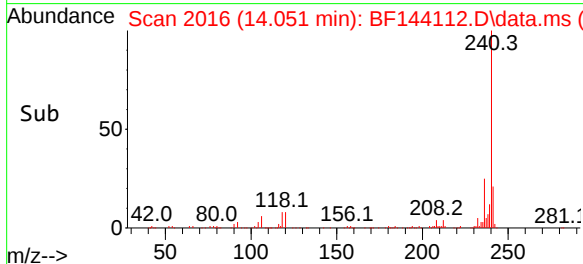
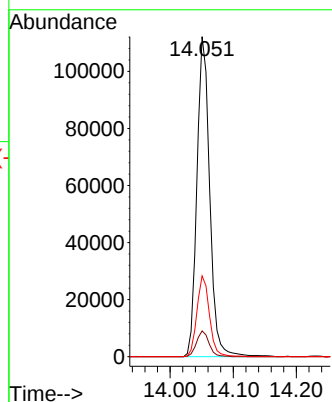
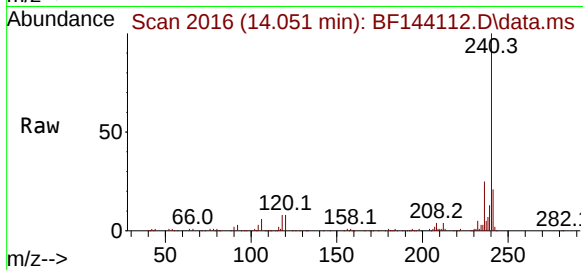
Tgt Ion:240 Resp: 157550

Ion Ratio Lower Upper

240 100

120 8.0 6.5 9.7

236 25.2 20.1 30.1



#77

Benzidine

Concen: 2.432 ng

RT: 12.998 min Scan# 1837

Delta R.T. 0.247 min

Lab File: BF144112.D

Acq: 28 Oct 2025 20:43

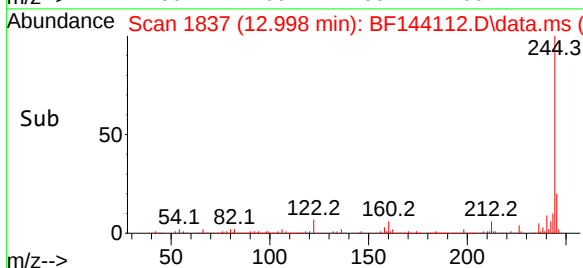
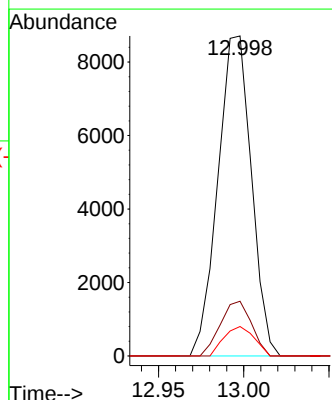
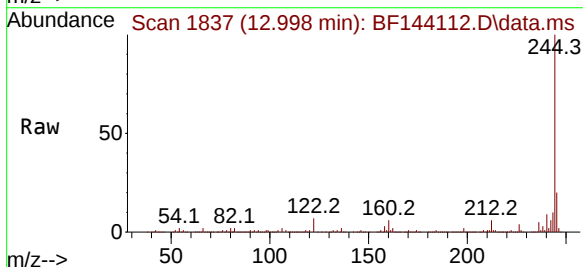
Tgt Ion:184 Resp: 11926

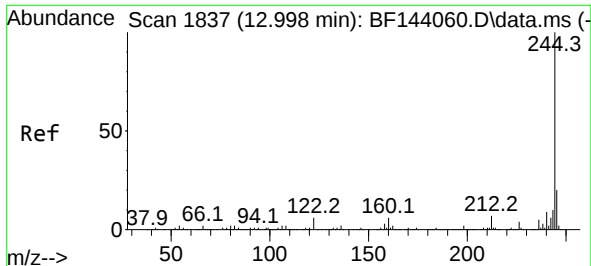
Ion Ratio Lower Upper

184 100

185 17.1 11.6 17.4

183 9.2 8.5 12.7

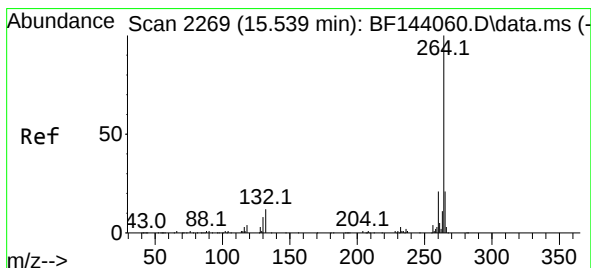
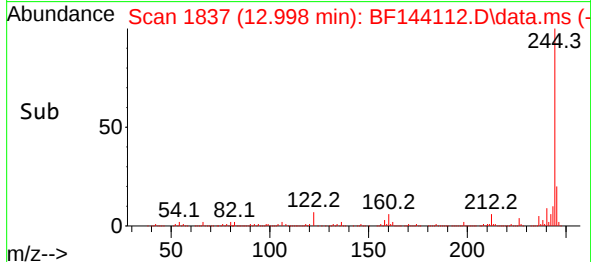
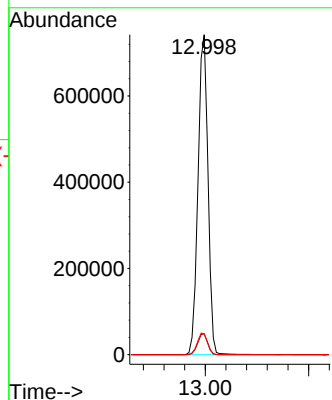
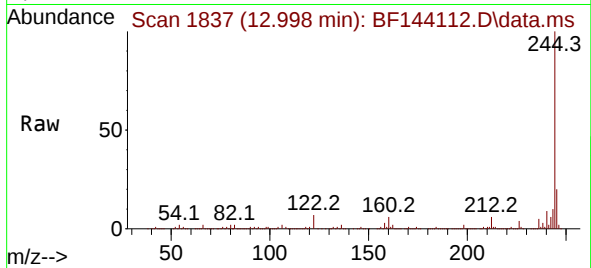




#79
 Terphenyl-d14
 Concen: 109.897 ng
 RT: 12.998 min Scan# 1837
 Delta R.T. -0.000 min
 Lab File: BF144112.D
 Acq: 28 Oct 2025 20:43

Instrument :
 BNA_F
 ClientSampleId :
 WC-3

Tgt Ion:244 Resp: 990399
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.8 8.6
 122 6.6 4.9 7.3



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 2269
 Delta R.T. -0.000 min
 Lab File: BF144112.D
 Acq: 28 Oct 2025 20:43

Tgt Ion:264 Resp: 114838
 Ion Ratio Lower Upper
 264 100
 260 22.8 17.0 25.4
 265 20.7 16.6 24.8

