

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
 Data File : BF144111.D
 Acq On : 28 Oct 2025 20:13
 Operator : RC/JU
 Sample : Q3460-08
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-2

Quant Time: Oct 29 05:46:23 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)

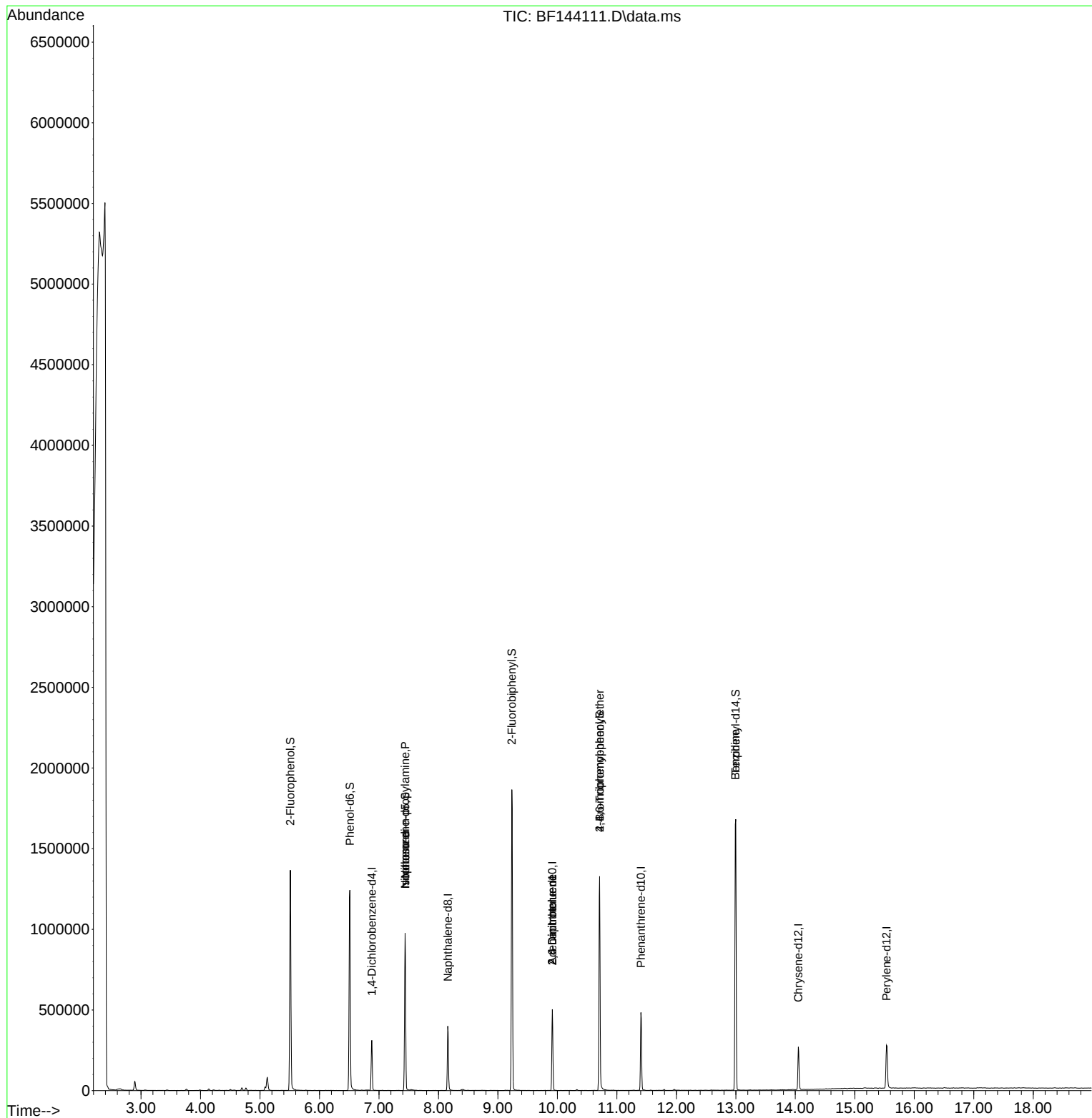
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	66760	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	266029	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	154270	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	274052	20.000	ng	0.00
76) Chrysene-d12	14.051	240	144079	20.000	ng	0.00
86) Perylene-d12	15.533	264	194736	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	505554	119.808	ng	0.02
7) Phenol-d6	6.510	99	549772	117.972	ng	0.00
23) Nitrobenzene-d5	7.439	82	413935	85.247	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	281646	143.324	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	880486	80.316	ng	0.00
79) Terphenyl-d14	12.998	244	928039	112.606	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	64837	21.515	ng	# 71
25) Isophorone	7.439	82	413932	48.760	ng	# 66
51) 2,6-Dinitrotoluene	9.916	165	20946	10.478	ng	# 23
57) 2,4-Dinitrotoluene	9.916	165	20946	7.763	ng	# 25
67) 4-Bromophenyl-phenylether	10.710	248	16315	4.755	ng	# 1
77) Benzidine	12.992	184	11425	2.548	ng	# 96

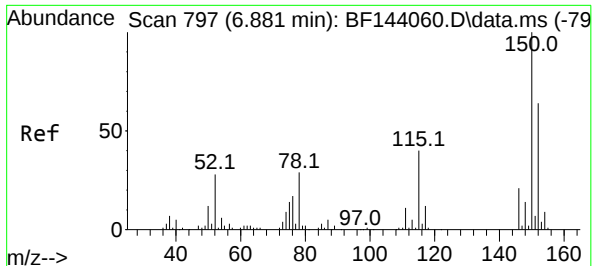
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
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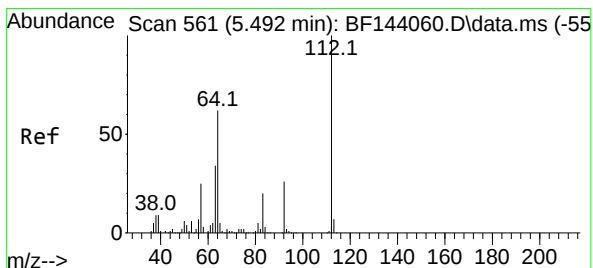
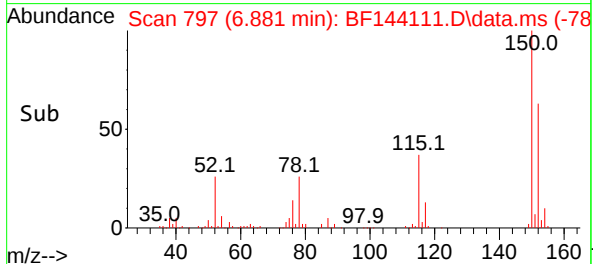
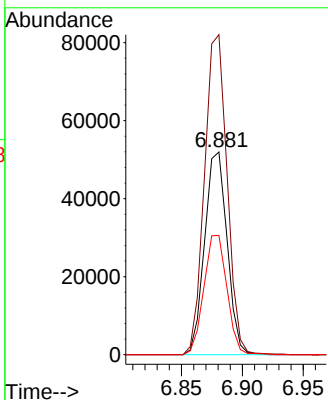
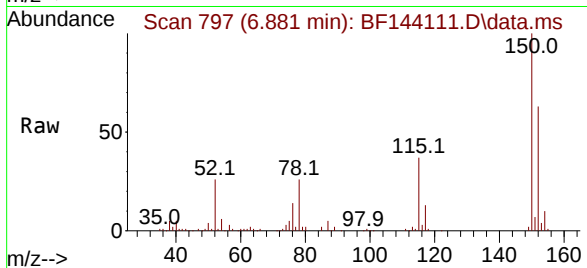




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.000 min
Lab File: BF144111.D
Acq: 28 Oct 2025 20:13

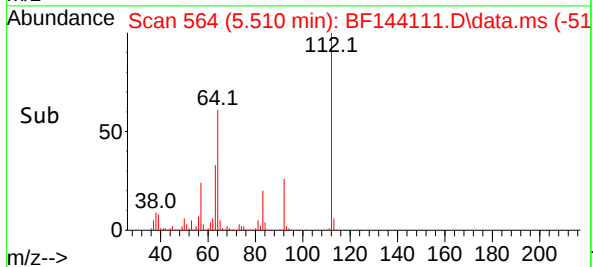
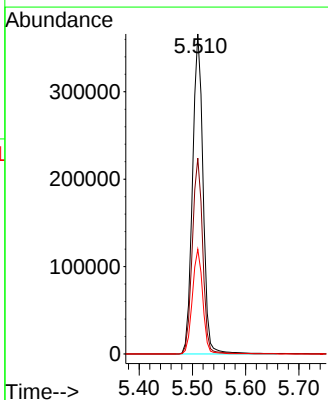
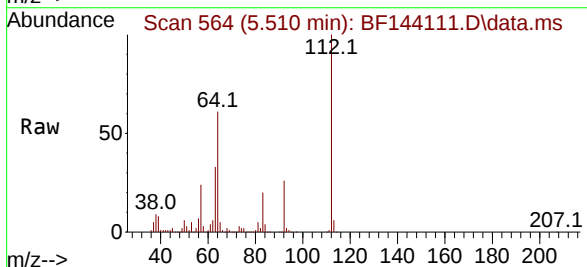
Instrument :
BNA_F
ClientSampleId :
WC-2

Tgt Ion:152 Resp: 66760
Ion Ratio Lower Upper
152 100
150 157.8 124.4 186.6
115 58.8 49.4 74.0



#5
2-Fluorophenol
Concen: 119.808 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.018 min
Lab File: BF144111.D
Acq: 28 Oct 2025 20:13

Tgt Ion:112 Resp: 505554
Ion Ratio Lower Upper
112 100
64 61.2 49.8 74.8
63 32.7 27.4 41.2





#7
Phenol-d6
Concen: 117.972 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF144111.D
Acq: 28 Oct 2025 20:13

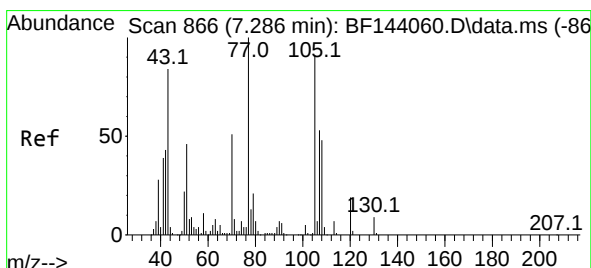
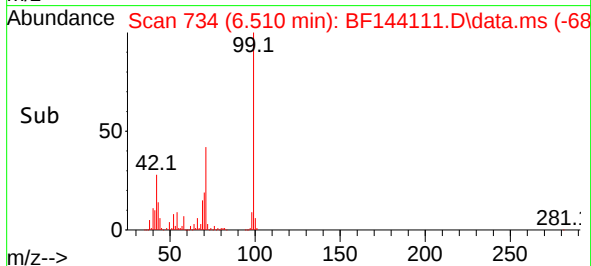
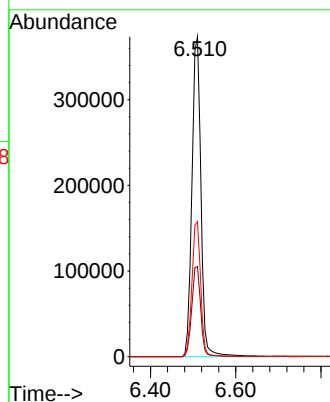
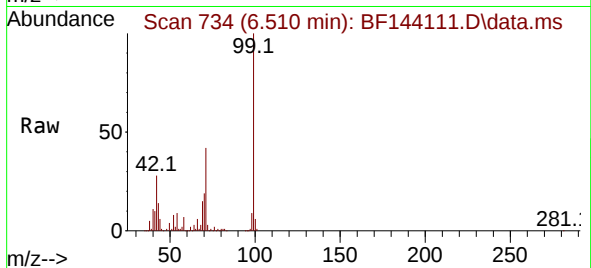
Instrument :

BNA_F

ClientSampleId :

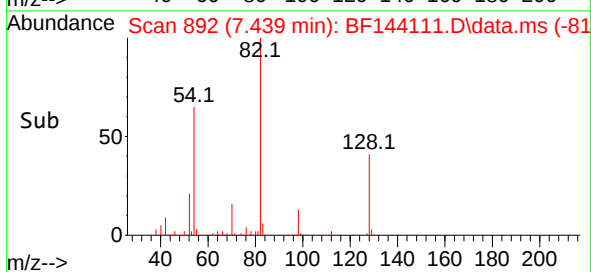
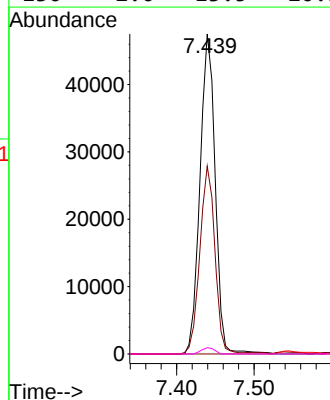
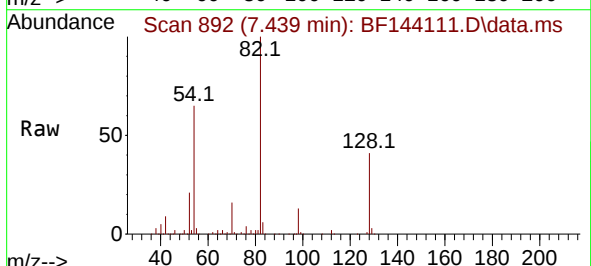
WC-2

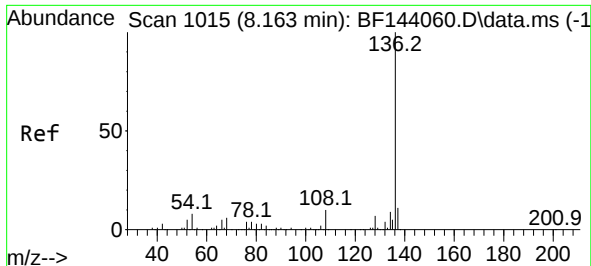
Tgt Ion: 99 Resp: 549772
Ion Ratio Lower Upper
99 100
42 28.2 23.9 35.9
71 42.2 34.4 51.6



#19
n-Nitroso-di-n-propylamine
Concen: 21.515 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.153 min
Lab File: BF144111.D
Acq: 28 Oct 2025 20:13

Tgt Ion: 70 Resp: 64837
Ion Ratio Lower Upper
70 100
42 58.7 67.4 101.0#
101 0.0 7.1 10.7#
130 2.0 13.5 20.3#



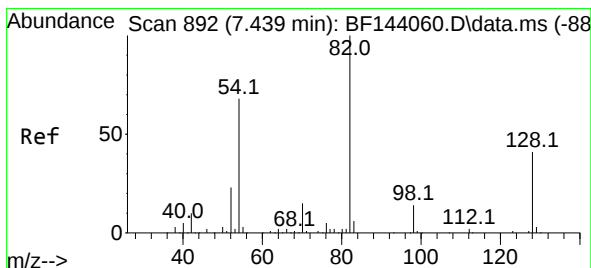
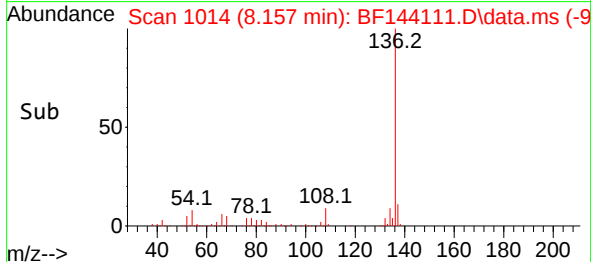
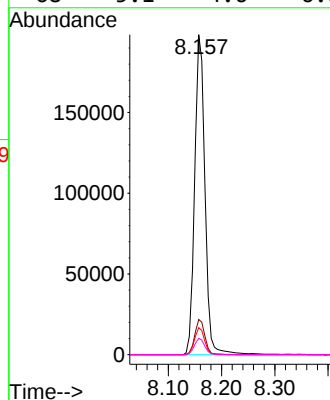
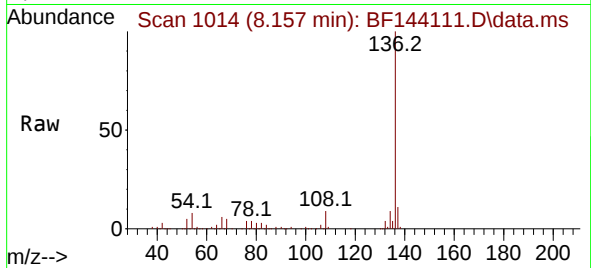


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF144111.D
Acq: 28 Oct 2025 20:13

Instrument :
BNA_F
ClientSampleId :
WC-2

Tgt Ion:136 Resp: 266029

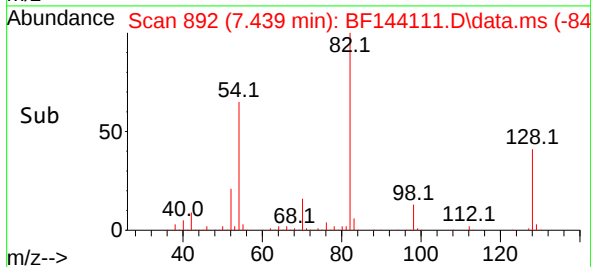
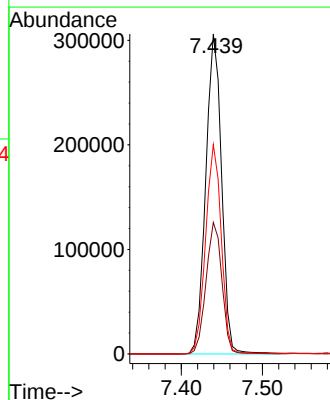
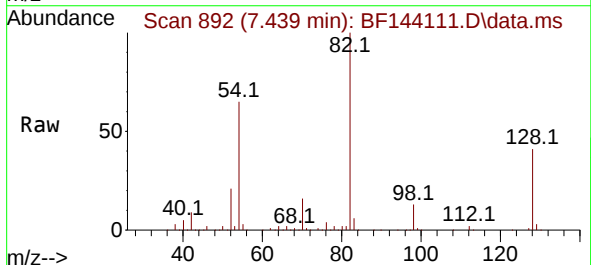
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	8.5	6.6	9.8
68	5.1	4.6	6.8

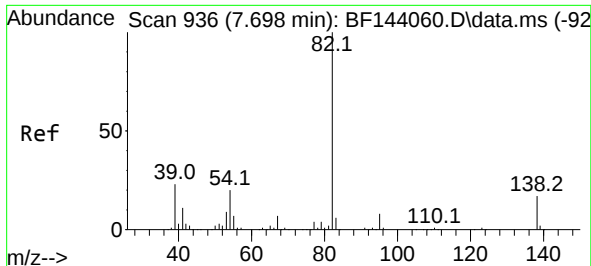


#23
Nitrobenzene-d5
Concen: 85.247 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.000 min
Lab File: BF144111.D
Acq: 28 Oct 2025 20:13

Tgt Ion: 82 Resp: 413935

Ion	Ratio	Lower	Upper
82	100		
128	41.1	32.4	48.6
54	65.4	54.0	81.0

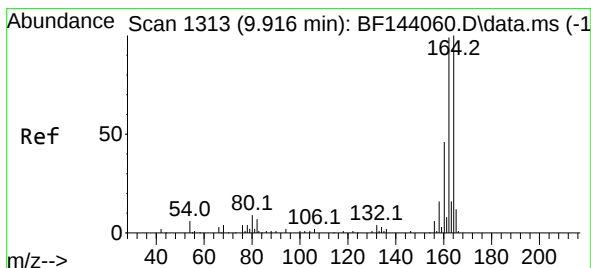
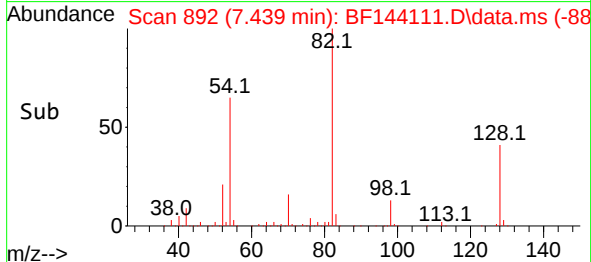
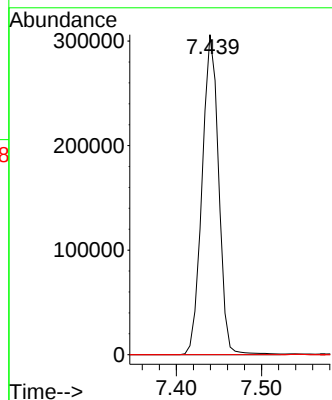
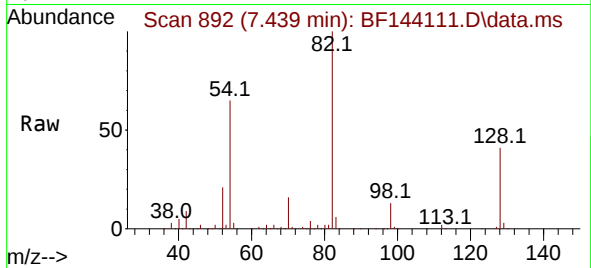




#25
Isophorone
Concen: 48.760 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.259 min
Lab File: BF144111.D
Acq: 28 Oct 2025 20:13

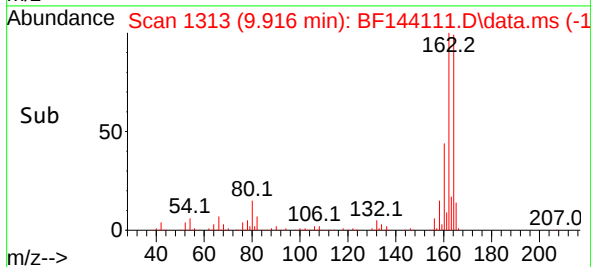
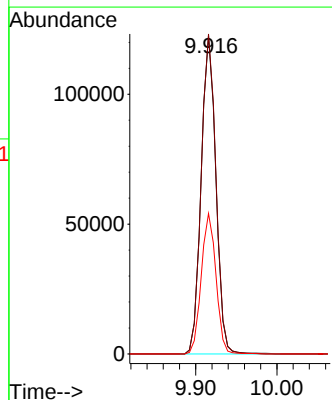
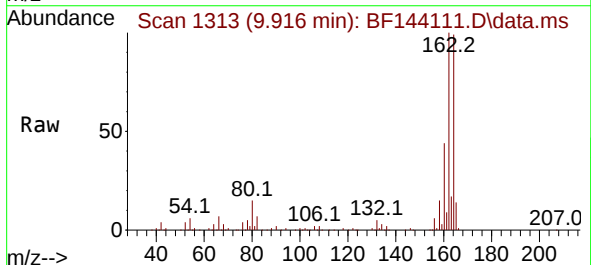
Instrument :
BNA_F
ClientSampleId :
WC-2

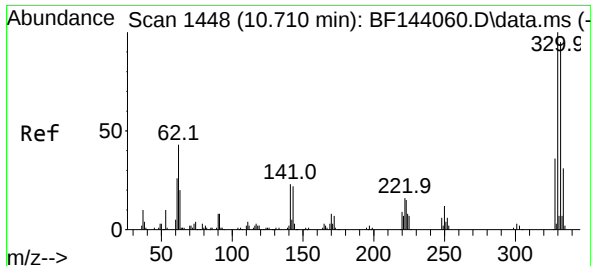
Tgt Ion: 82 Resp: 413932
Ion Ratio Lower Upper
82 100
95 0.0 6.6 9.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF144111.D
Acq: 28 Oct 2025 20:13

Tgt Ion:164 Resp: 154270
Ion Ratio Lower Upper
164 100
162 100.5 79.4 119.2
160 44.1 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 143.324 ng

RT: 10.710 min Scan# 1448

Delta R.T. 0.000 min

Lab File: BF144111.D

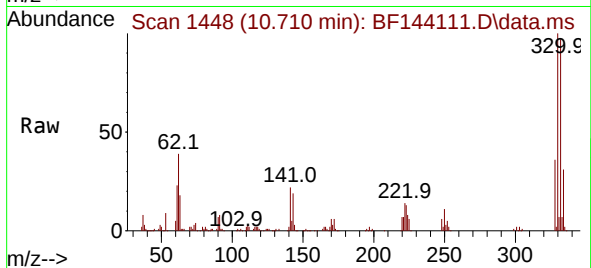
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Instrument :

BNA_F

ClientSampleId :

WC-2



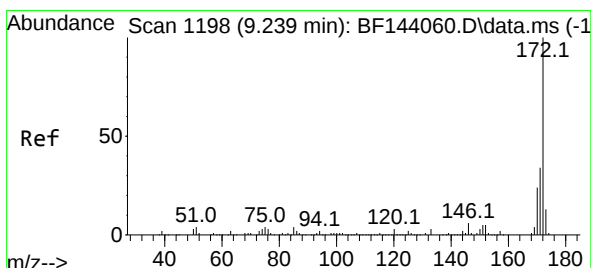
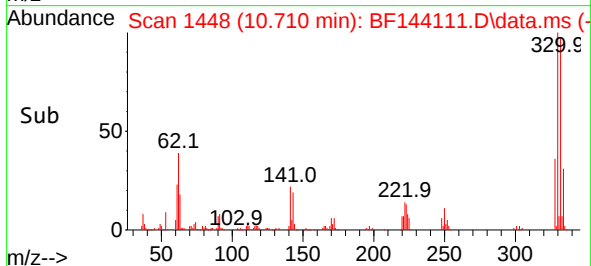
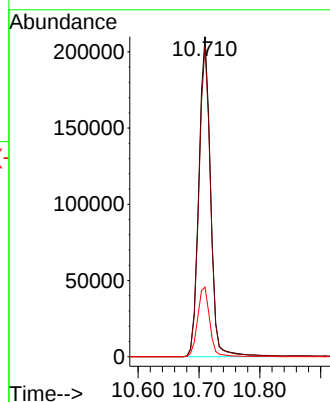
Tgt Ion:330 Resp: 281646

Ion Ratio Lower Upper

330 100

332 96.4 77.0 115.6

141 22.3 19.4 29.0



#45

2-Fluorobiphenyl

Concen: 80.316 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.006 min

Lab File: BF144111.D

Acq: 28 Oct 2025 20:13

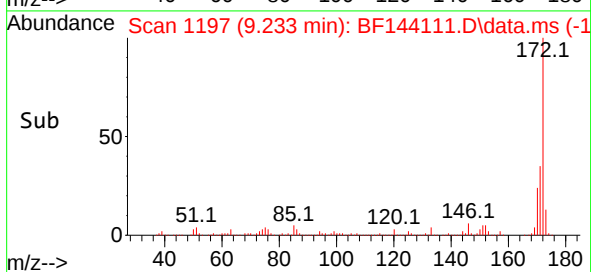
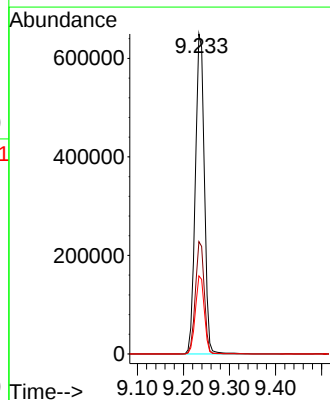
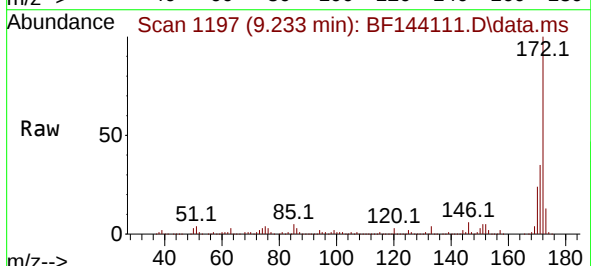
Tgt Ion:172 Resp: 880486

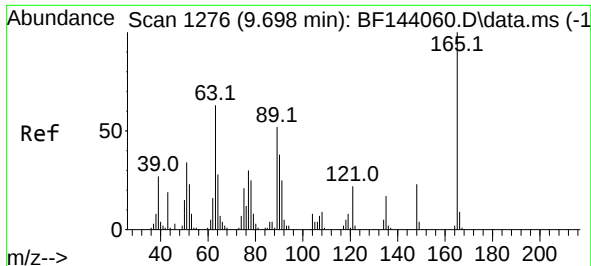
Ion Ratio Lower Upper

172 100

171 35.1 27.5 41.3

170 24.4 19.0 28.6

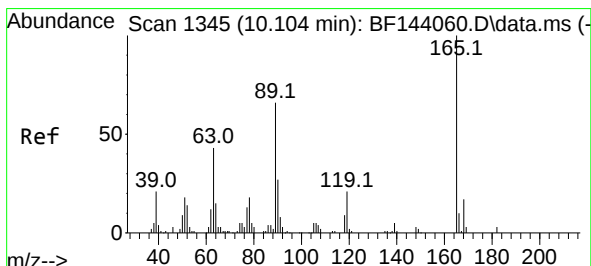
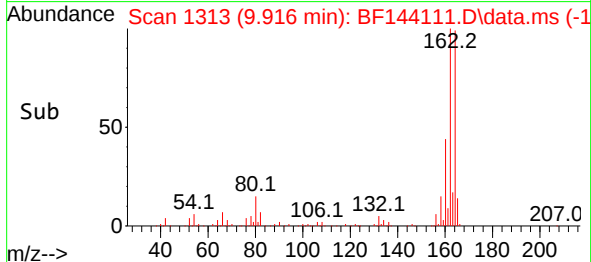
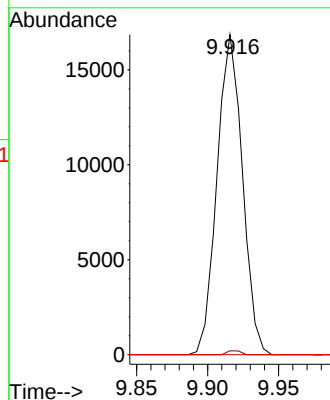
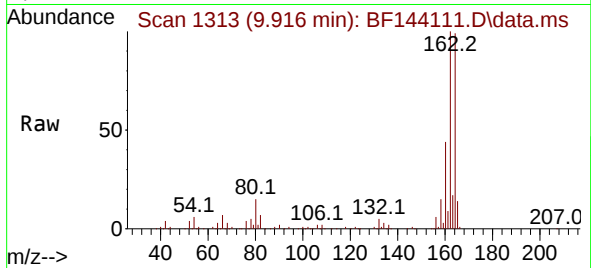




#51
2,6-Dinitrotoluene
Concen: 10.478 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF144111.D
Acq: 28 Oct 2025 20:13

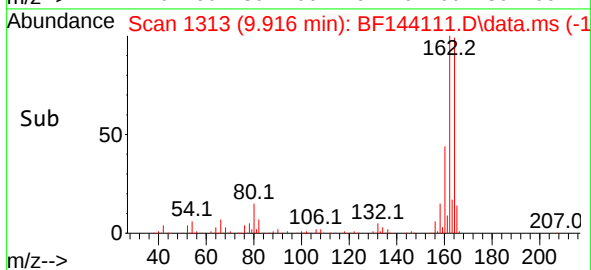
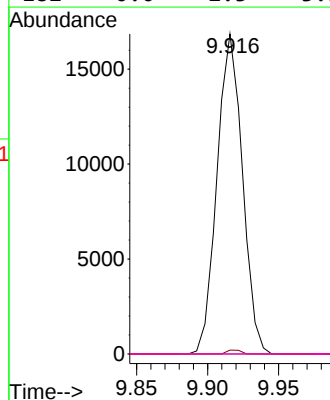
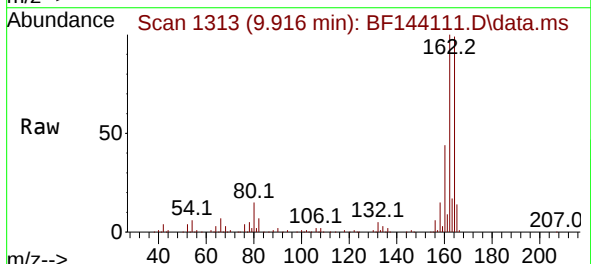
Instrument :
BNA_F
ClientSampleId :
WC-2

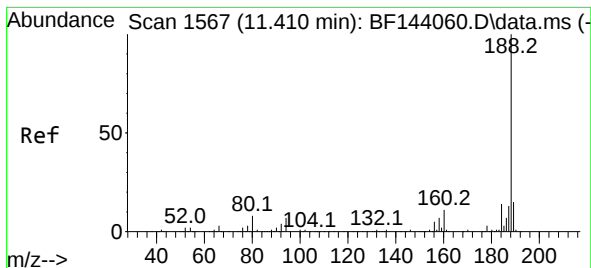
Tgt Ion:165 Resp: 20946
Ion Ratio Lower Upper
165 100
63 1.2 50.4 75.6#
89 0.0 41.4 62.2#



#57
2,4-Dinitrotoluene
Concen: 7.763 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.188 min
Lab File: BF144111.D
Acq: 28 Oct 2025 20:13

Tgt Ion:165 Resp: 20946
Ion Ratio Lower Upper
165 100
63 1.2 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: BF144111.D

Acq: 28 Oct 2025 20:13

Instrument :

BNA_F

ClientSampleId :

WC-2

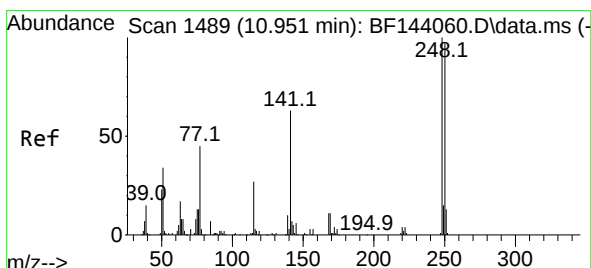
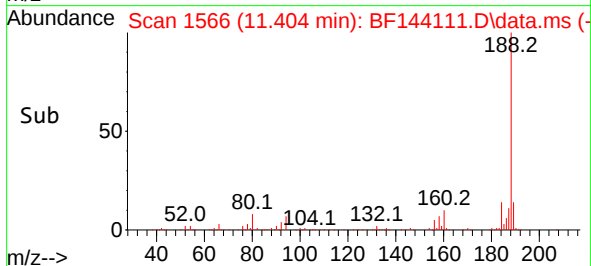
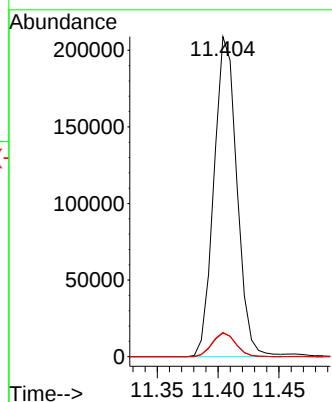
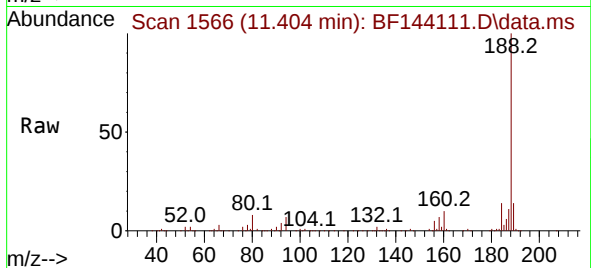
Tgt Ion:188 Resp: 274052

Ion Ratio Lower Upper

188 100

94 7.4 5.4 8.0

80 7.6 6.0 9.0



#67

4-Bromophenyl-phenylether

Concen: 4.755 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.241 min

Lab File: BF144111.D

Acq: 28 Oct 2025 20:13

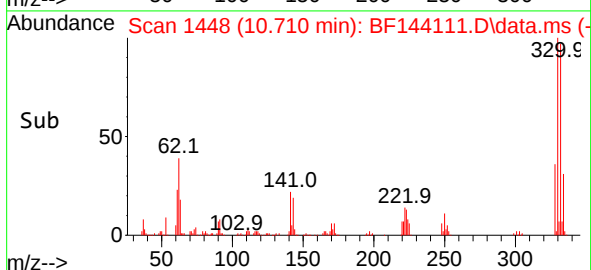
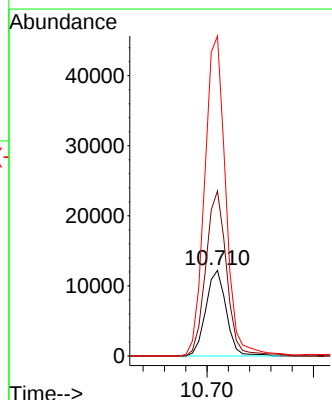
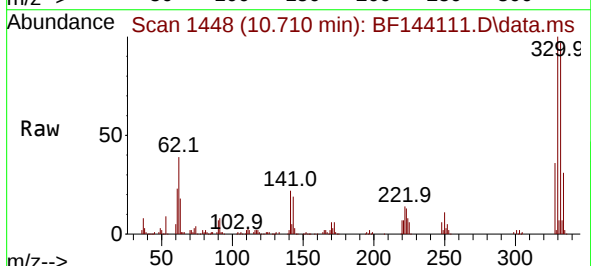
Tgt Ion:248 Resp: 16315

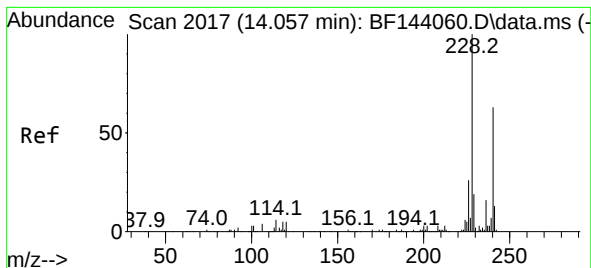
Ion Ratio Lower Upper

248 100

250 192.7 77.8 116.6#

141 373.8 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: BF144111.D

Acq: 28 Oct 2025 20:13

Instrument :

BNA_F

ClientSampleId :

WC-2

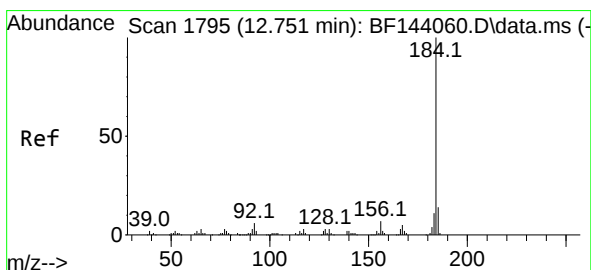
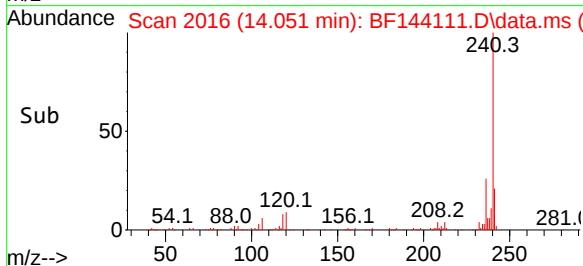
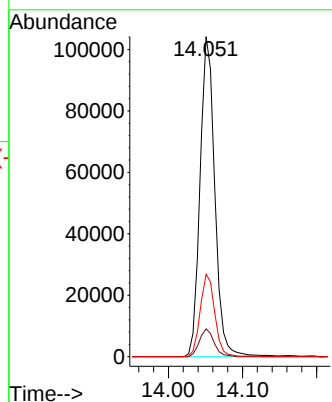
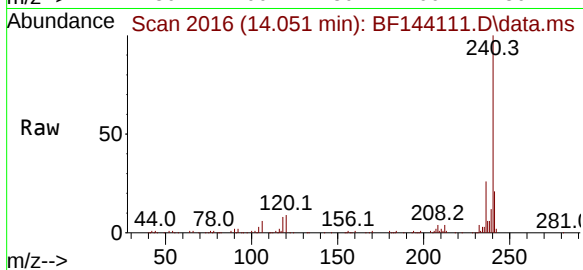
Tgt Ion:240 Resp: 144079

Ion Ratio Lower Upper

240 100

120 8.7 6.5 9.7

236 25.7 20.1 30.1



#77

Benzidine

Concen: 2.548 ng

RT: 12.992 min Scan# 1836

Delta R.T. 0.241 min

Lab File: BF144111.D

Acq: 28 Oct 2025 20:13

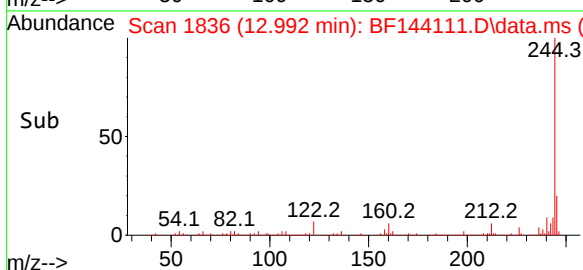
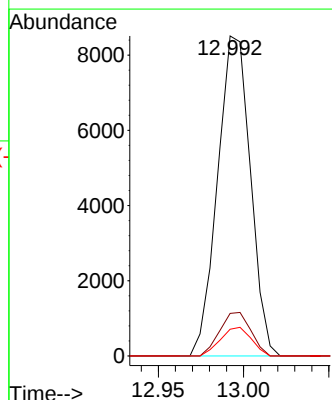
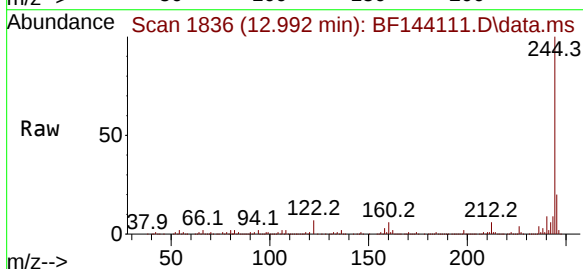
Tgt Ion:184 Resp: 11425

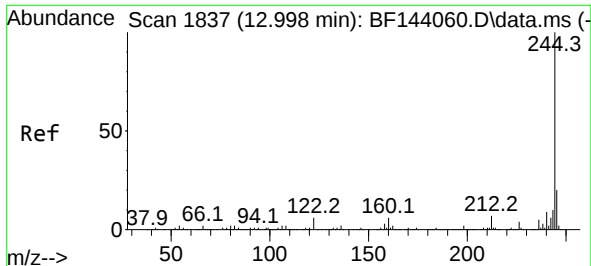
Ion Ratio Lower Upper

184 100

185 13.3 11.6 17.4

183 8.4 8.5 12.7#

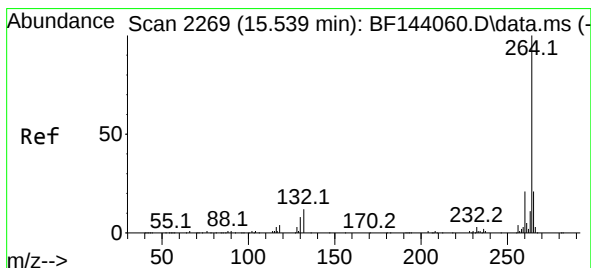
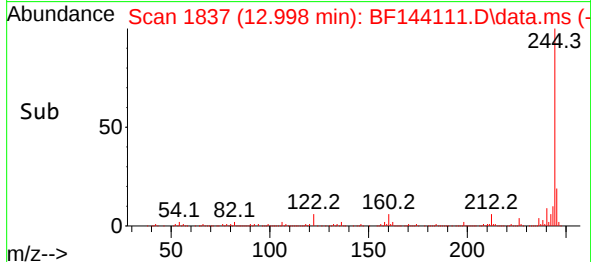
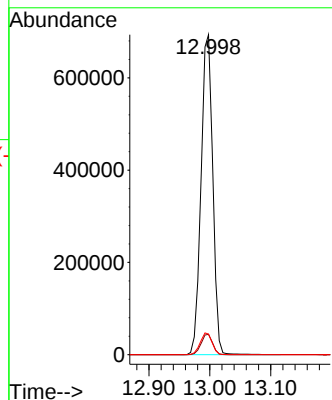
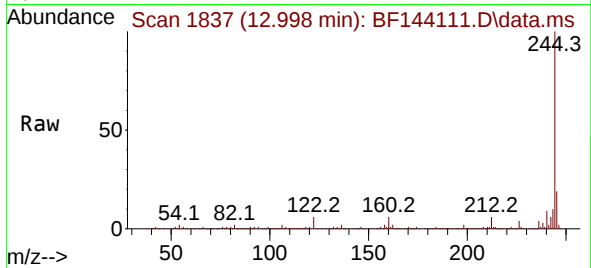




#79
 Terphenyl-d14
 Concen: 112.606 ng
 RT: 12.998 min Scan# 1837
 Delta R.T. 0.000 min
 Lab File: BF144111.D
 Acq: 28 Oct 2025 20:13

Instrument :
 BNA_F
 ClientSampleId :
 WC-2

Tgt Ion:244 Resp: 928039
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.8 8.6
 122 6.5 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: BF144111.D
 Acq: 28 Oct 2025 20:13

Tgt Ion:264 Resp: 194736
 Ion Ratio Lower Upper
 264 100
 260 22.0 17.0 25.4
 265 21.4 16.6 24.8

