

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
 Data File : BF144114.D
 Acq On : 28 Oct 2025 21:42
 Operator : RC/JU
 Sample : Q3439-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-9

Quant Time: Oct 29 05:47:22 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)

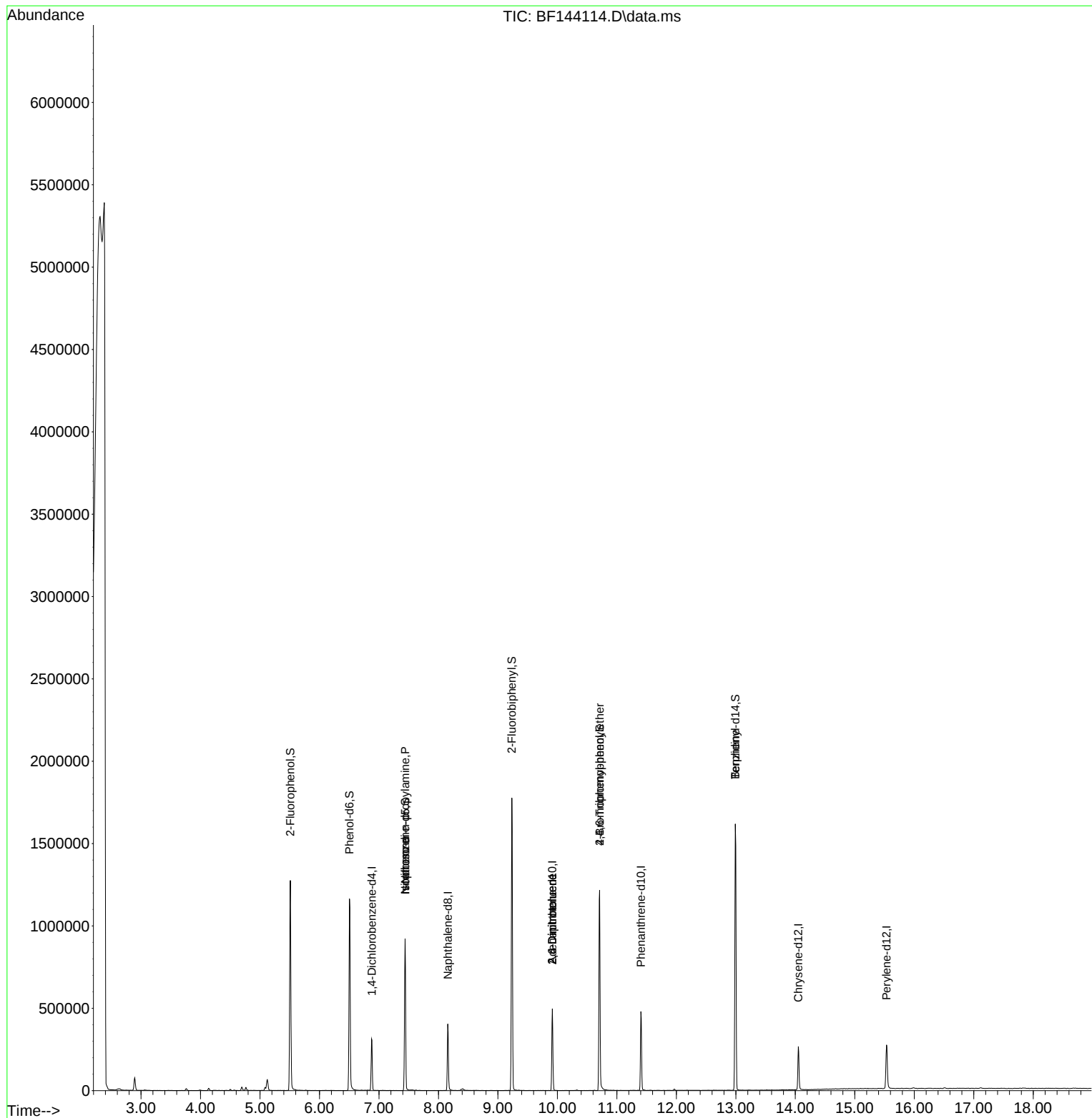
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	67212	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	263293	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	155204	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	271916	20.000	ng	0.00
76) Chrysene-d12	14.051	240	145722	20.000	ng	0.00
86) Perylene-d12	15.533	264	190306	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	475510	111.931	ng	0.02
7) Phenol-d6	6.504	99	505545	107.752	ng	0.00
23) Nitrobenzene-d5	7.440	82	395742	82.348	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	265031	134.057	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	834991	75.708	ng	0.00
79) Terphenyl-d14	12.992	244	875775	105.066	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	58211	19.186	ng	# 73
25) Isophorone	7.440	82	395738	47.101	ng	# 66
51) 2,6-Dinitrotoluene	9.916	165	19300	9.596	ng	# 22
57) 2,4-Dinitrotoluene	9.916	165	19300	7.110	ng	# 25
67) 4-Bromophenyl-phenylether	10.710	248	14357	4.217	ng	# 1
77) Benzidine	12.992	184	9971	2.199	ng	# 94

(#) = 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: BF144114.D
 Acq: 28 Oct 2025 21:42

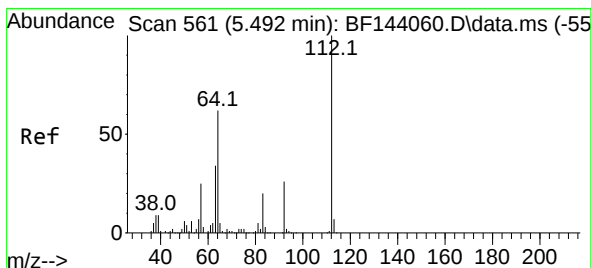
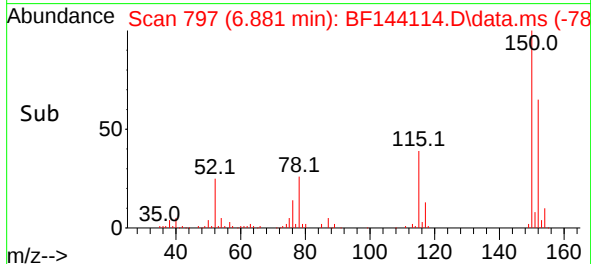
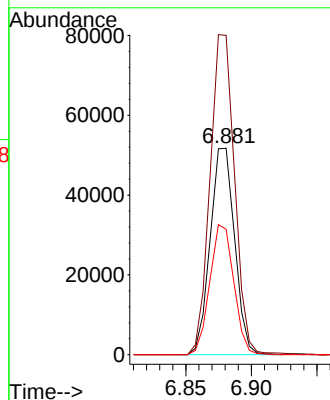
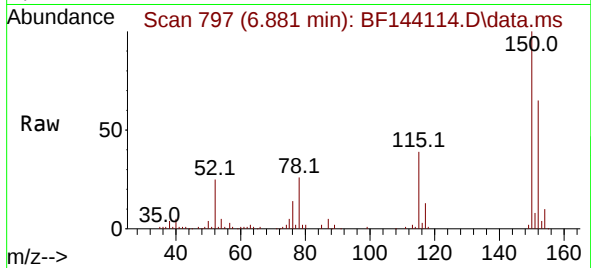
Instrument :

BNA_F

ClientSampleId :

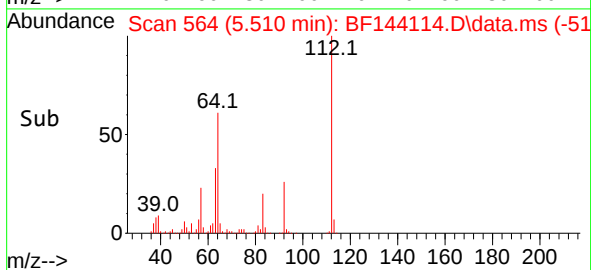
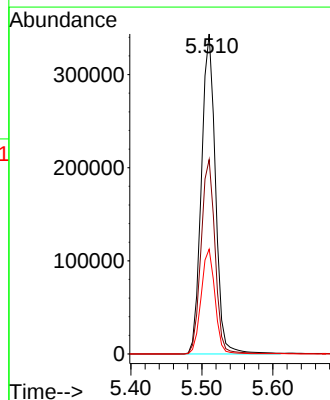
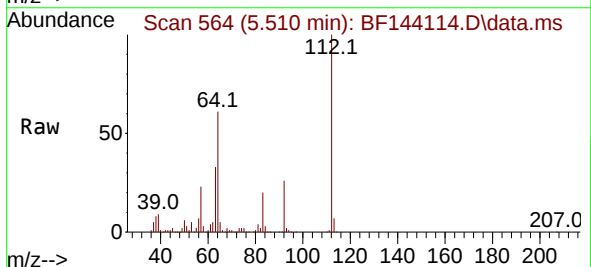
TP-9

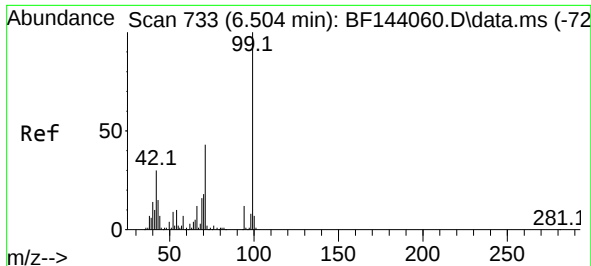
Tgt Ion:152 Resp: 67212
 Ion Ratio Lower Upper
 152 100
 150 154.7 124.4 186.6
 115 60.7 49.4 74.0



#5
 2-Fluorophenol
 Concen: 111.931 ng
 RT: 5.510 min Scan# 564
 Delta R.T. 0.018 min
 Lab File: BF144114.D
 Acq: 28 Oct 2025 21:42

Tgt Ion:112 Resp: 475510
 Ion Ratio Lower Upper
 112 100
 64 60.7 49.8 74.8
 63 32.7 27.4 41.2

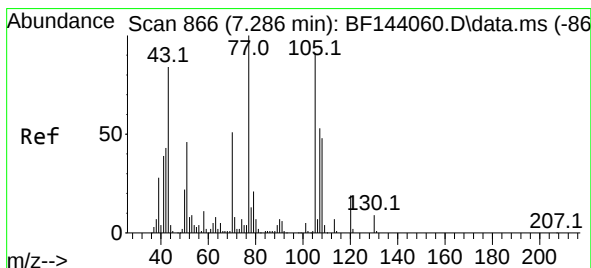
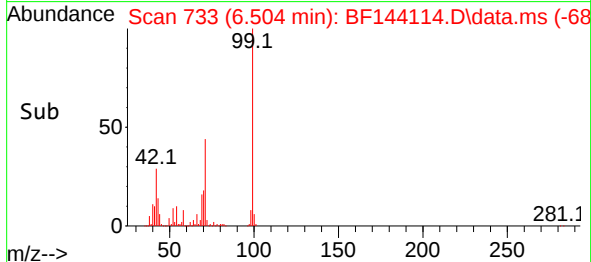
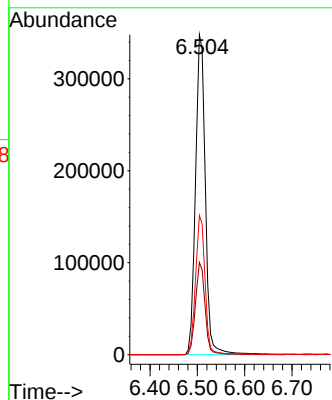
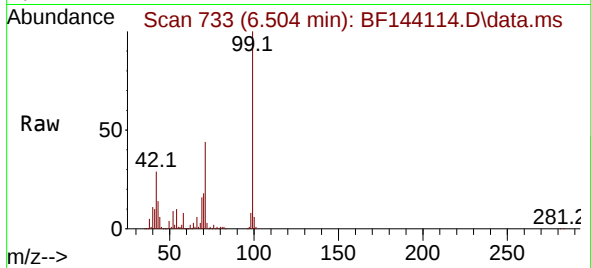




#7
Phenol-d6
Concen: 107.752 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF144114.D
Acq: 28 Oct 2025 21:42

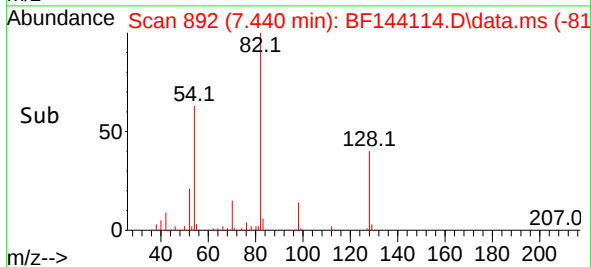
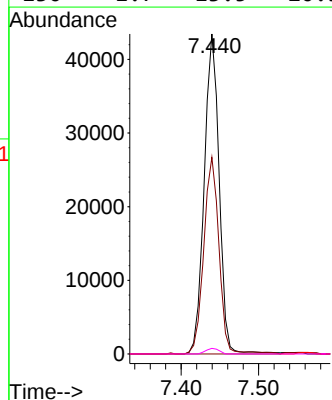
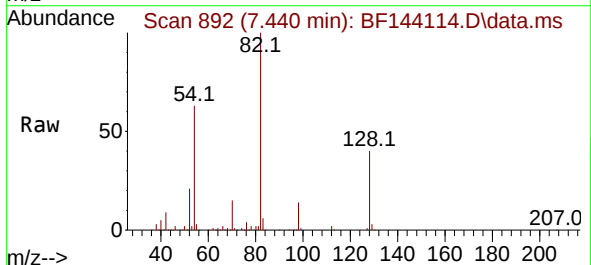
Instrument :
BNA_F
ClientSampleId :
TP-9

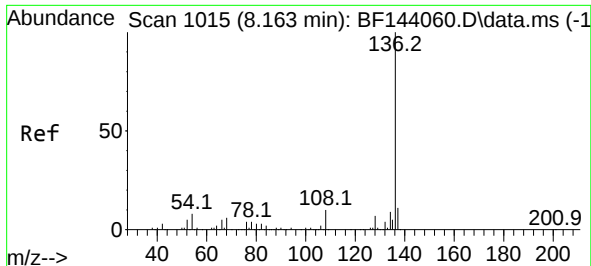
Tgt Ion: 99 Resp: 505545
Ion Ratio Lower Upper
99 100
42 28.8 23.9 35.9
71 43.5 34.4 51.6



#19
n-Nitroso-di-n-propylamine
Concen: 19.186 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.153 min
Lab File: BF144114.D
Acq: 28 Oct 2025 21:42

Tgt Ion: 70 Resp: 58211
Ion Ratio Lower Upper
70 100
42 61.4 67.4 101.0#
101 0.0 7.1 10.7#
130 1.7 13.5 20.3#



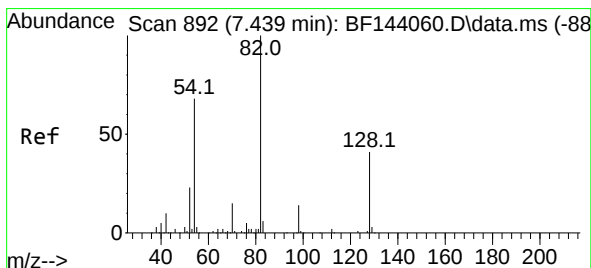
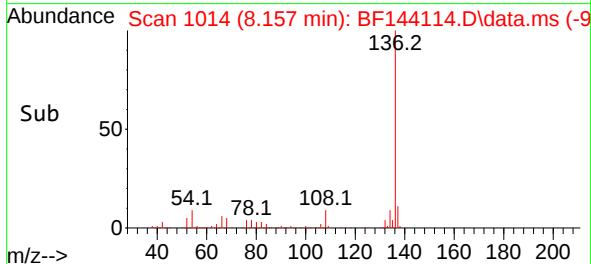
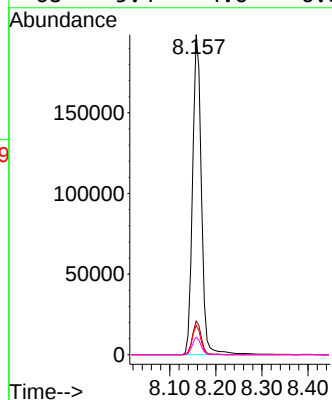
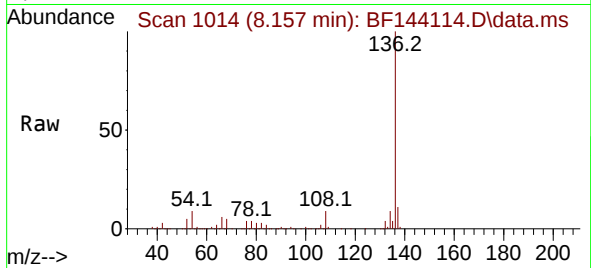


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF144114.D
Acq: 28 Oct 2025 21:42

Instrument :
BNA_F
ClientSampleId :
TP-9

Tgt Ion:136 Resp: 263293

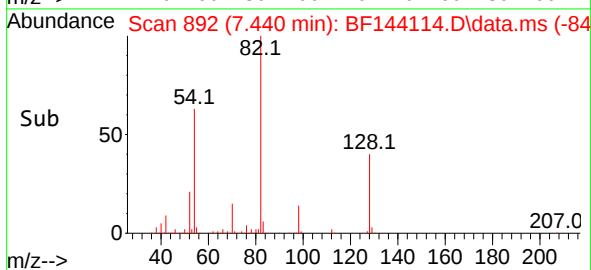
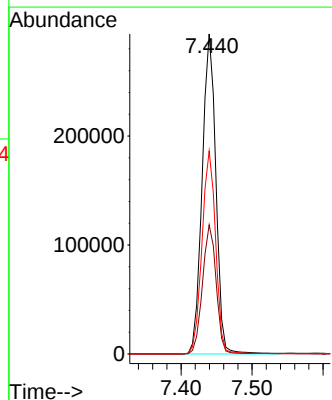
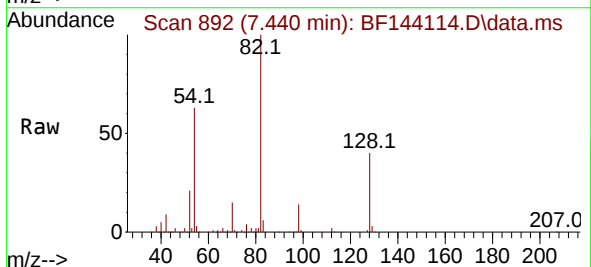
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	13.0
54	9.1	6.6	9.8
68	5.4	4.6	6.8

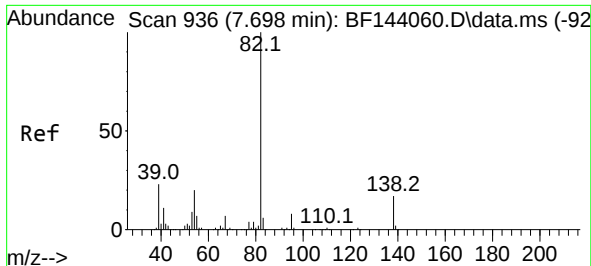


#23
Nitrobenzene-d5
Concen: 82.348 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.000 min
Lab File: BF144114.D
Acq: 28 Oct 2025 21:42

Tgt Ion: 82 Resp: 395742

Ion	Ratio	Lower	Upper
82	100		
128	40.3	32.4	48.6
54	63.5	54.0	81.0

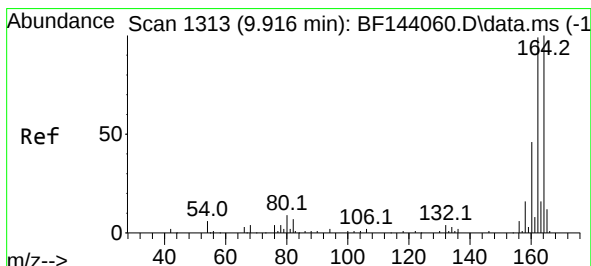
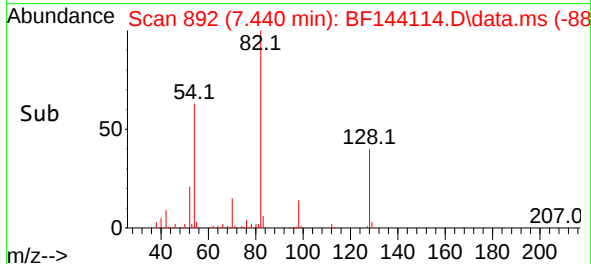
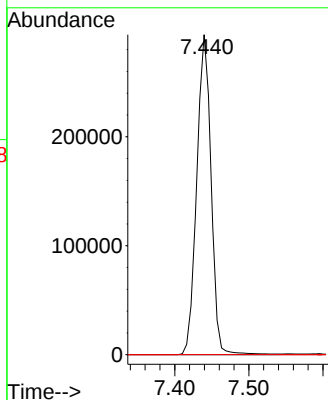
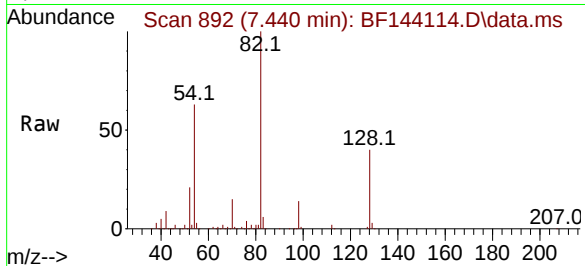




#25
Isophorone
Concen: 47.101 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.259 min
Lab File: BF144114.D
Acq: 28 Oct 2025 21:42

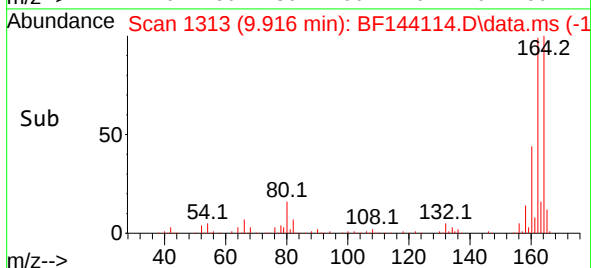
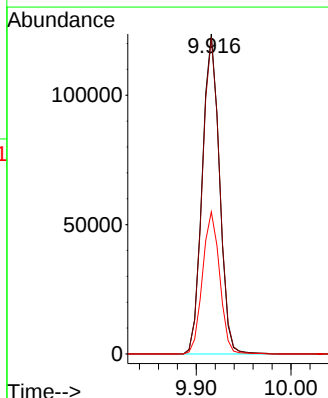
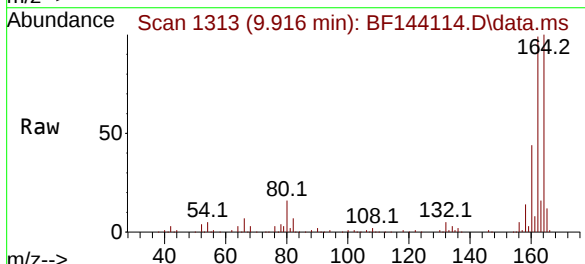
Instrument :
BNA_F
ClientSampleId :
TP-9

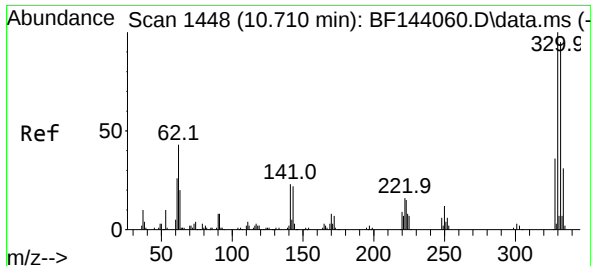
Tgt Ion: 82 Resp: 395738
Ion Ratio Lower Upper
82 100
95 0.0 6.6 9.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF144114.D
Acq: 28 Oct 2025 21:42

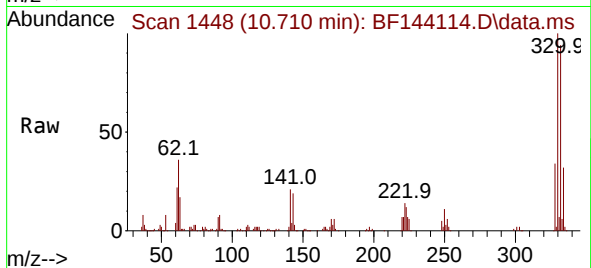
Tgt Ion:164 Resp: 155204
Ion Ratio Lower Upper
164 100
162 98.9 79.4 119.2
160 44.4 36.7 55.1



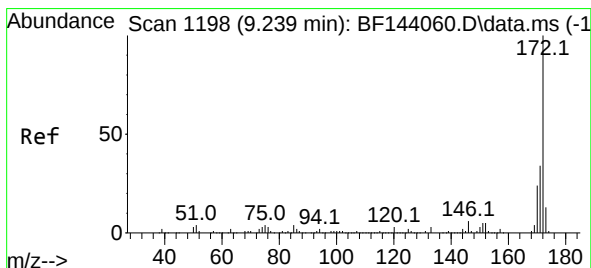
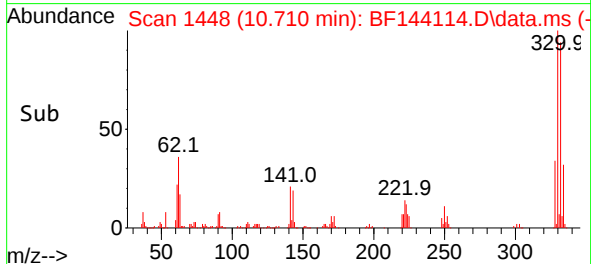
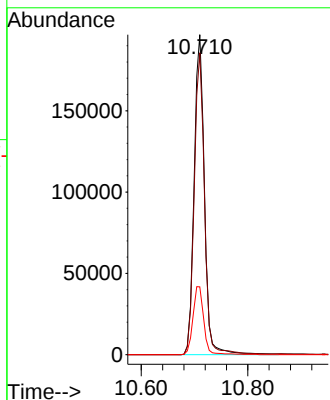


#42
2,4,6-Tribromophenol
Concen: 134.057 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.000 min
Lab File: BF144114.D
Acq: 28 Oct 2025 21:42

Instrument :
BNA_F
ClientSampleId :
TP-9

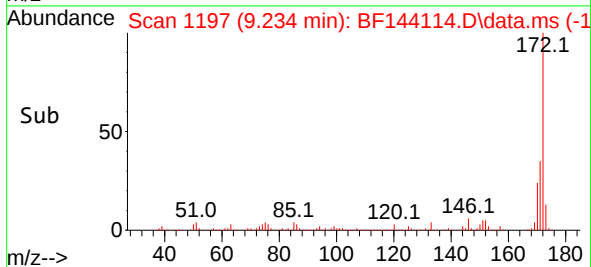
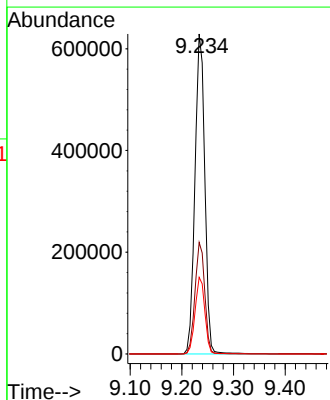
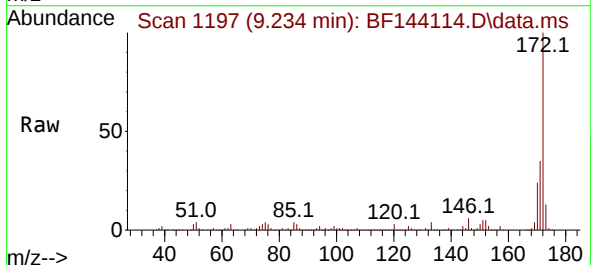


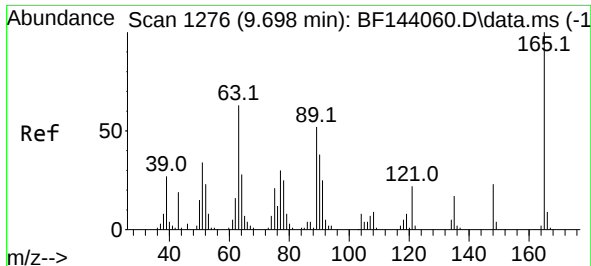
Tgt Ion:330 Resp: 265031
Ion Ratio Lower Upper
330 100
332 94.4 77.0 115.6
141 22.3 19.4 29.0



#45
2-Fluorobiphenyl
Concen: 75.708 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF144114.D
Acq: 28 Oct 2025 21:42

Tgt Ion:172 Resp: 834991
Ion Ratio Lower Upper
172 100
171 34.8 27.5 41.3
170 24.0 19.0 28.6

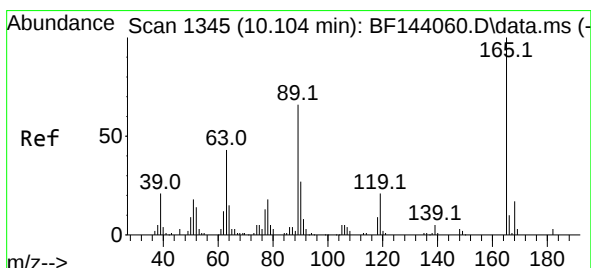
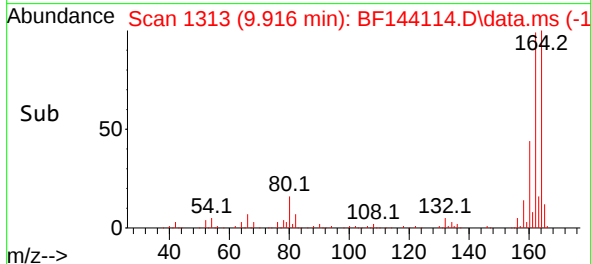
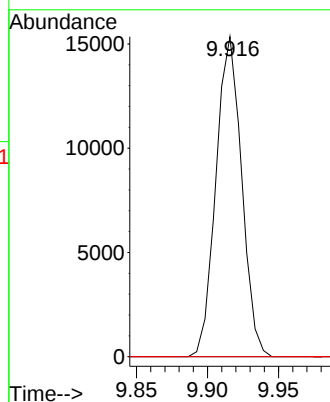
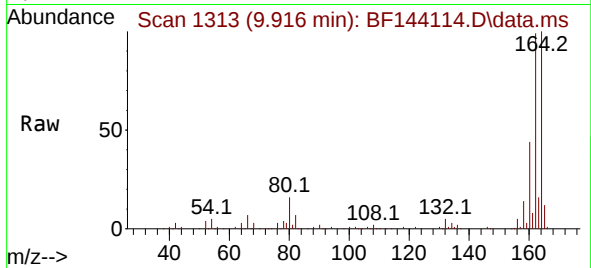




#51
2,6-Dinitrotoluene
Concen: 9.596 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF144114.D
Acq: 28 Oct 2025 21:42

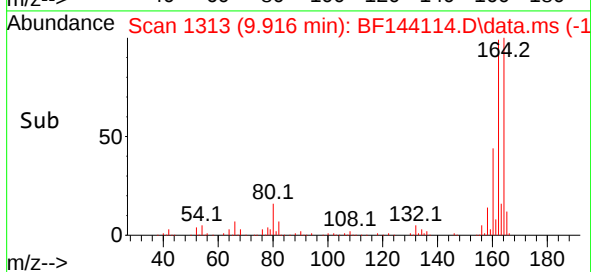
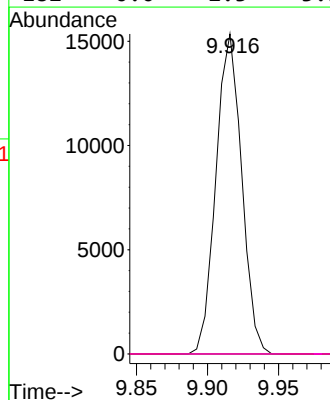
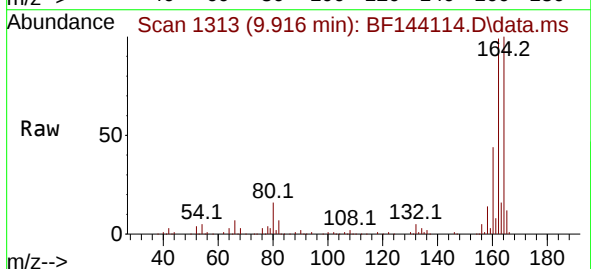
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BNA_F
ClientSampleId :
TP-9

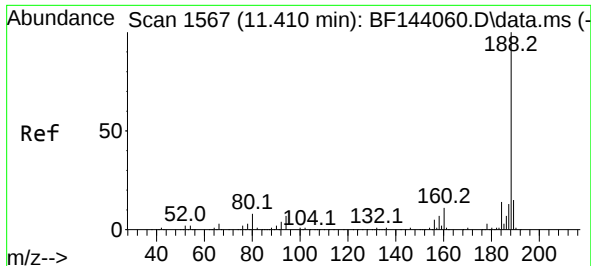
Tgt Ion:165 Resp: 19300
Ion Ratio Lower Upper
165 100
63 0.0 50.4 75.6#
89 0.0 41.4 62.2#



#57
2,4-Dinitrotoluene
Concen: 7.110 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.188 min
Lab File: BF144114.D
Acq: 28 Oct 2025 21:42

Tgt Ion:165 Resp: 19300
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#

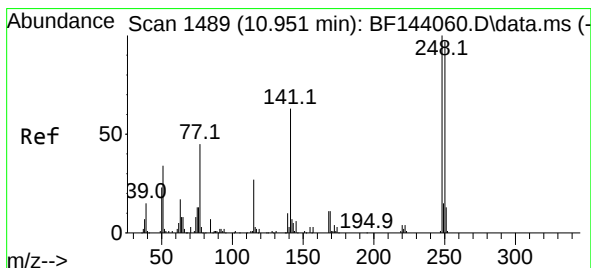
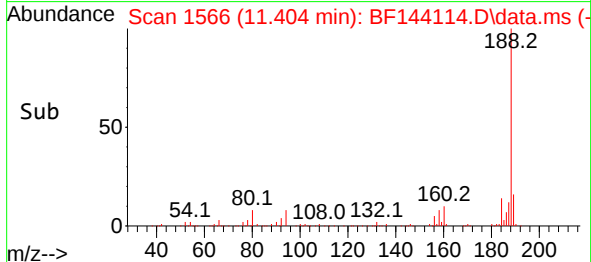
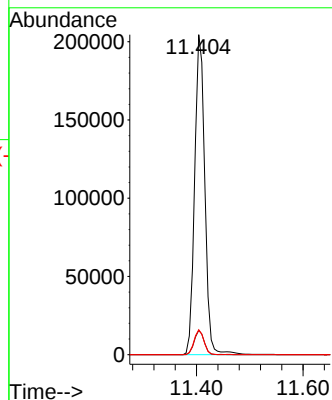
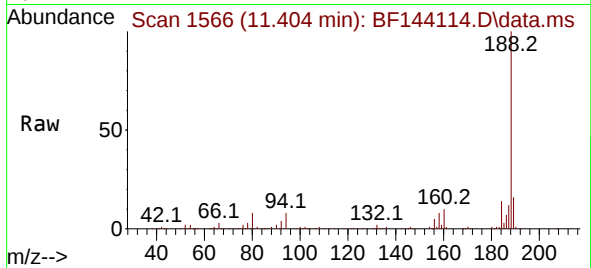




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144114.D
Acq: 28 Oct 2025 21:42

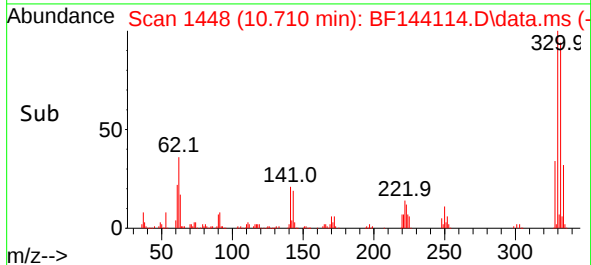
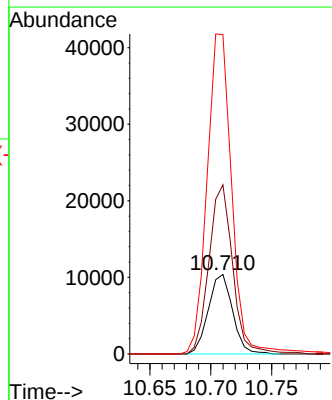
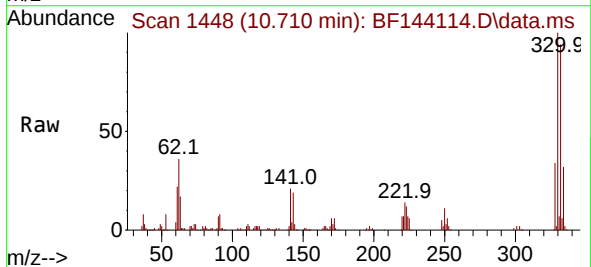
Instrument :
BNA_F
ClientSampleId :
TP-9

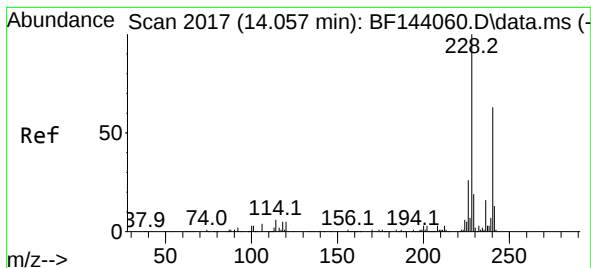
Tgt Ion:188 Resp: 271916
Ion Ratio Lower Upper
188 100
94 7.6 5.4 8.0
80 7.8 6.0 9.0



#67
4-Bromophenyl-phenylether
Concen: 4.217 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.241 min
Lab File: BF144114.D
Acq: 28 Oct 2025 21:42

Tgt Ion:248 Resp: 14357
Ion Ratio Lower Upper
248 100
250 212.9 77.8 116.6#
141 401.8 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: BF144114.D

Acq: 28 Oct 2025 21:42

Instrument :

BNA_F

ClientSampleId :

TP-9

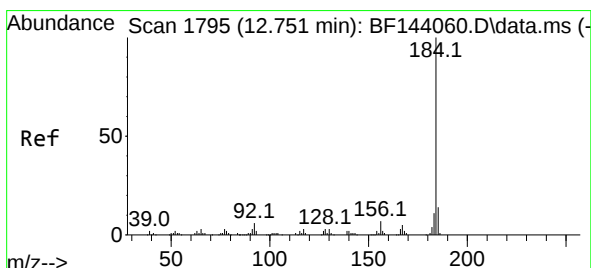
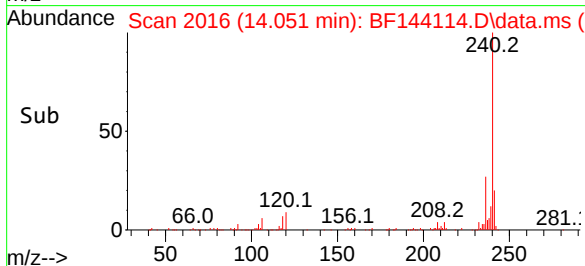
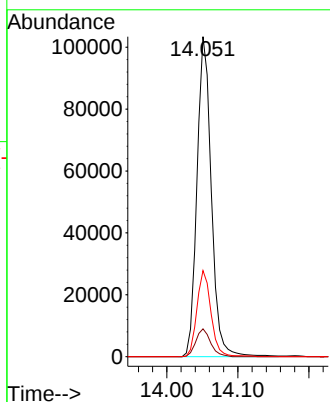
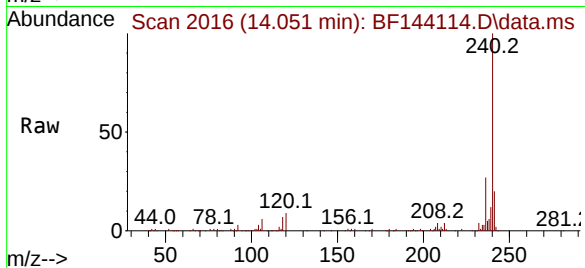
Tgt Ion:240 Resp: 145722

Ion Ratio Lower Upper

240 100

120 8.7 6.5 9.7

236 26.9 20.1 30.1



#77

Benzidine

Concen: 2.199 ng

RT: 12.992 min Scan# 1836

Delta R.T. 0.241 min

Lab File: BF144114.D

Acq: 28 Oct 2025 21:42

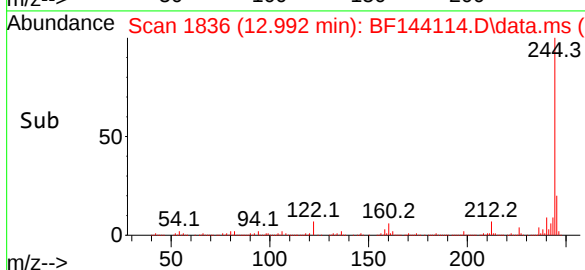
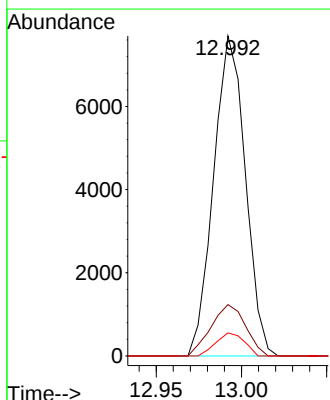
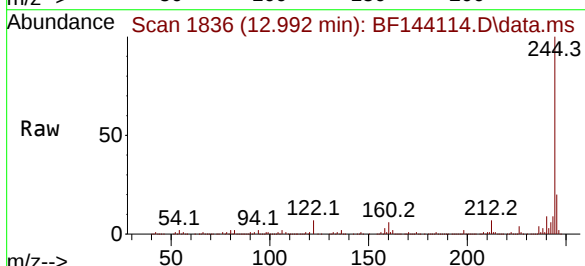
Tgt Ion:184 Resp: 9971

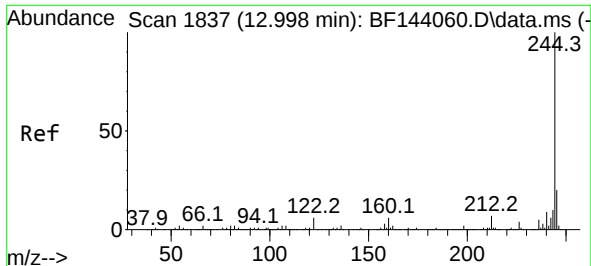
Ion Ratio Lower Upper

184 100

185 16.0 11.6 17.4

183 7.2 8.5 12.7#

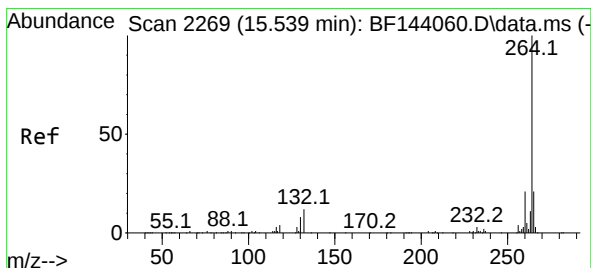
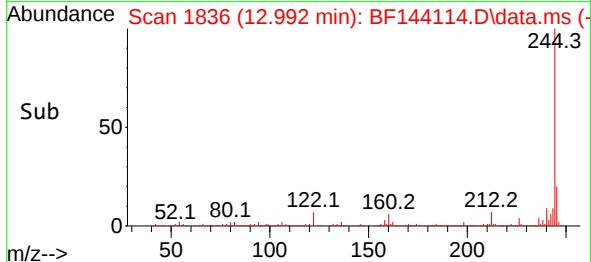
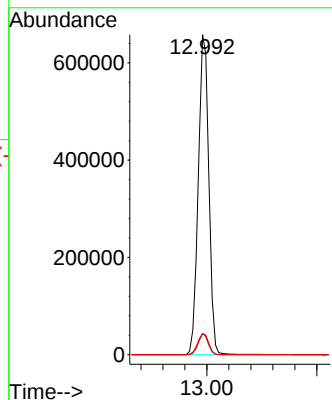
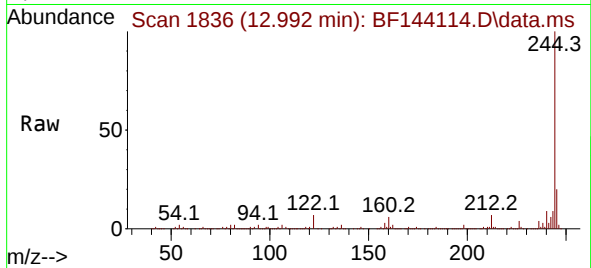




#79
 Terphenyl-d14
 Concen: 105.066 ng
 RT: 12.992 min Scan# 1836
 Delta R.T. -0.006 min
 Lab File: BF144114.D
 Acq: 28 Oct 2025 21:42

Instrument :
 BNA_F
 ClientSampleId :
 TP-9

Tgt Ion:244 Resp: 875775
 Ion Ratio Lower Upper
 244 100
 212 6.6 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: BF144114.D
 Acq: 28 Oct 2025 21:42

Tgt Ion:264 Resp: 190306
 Ion Ratio Lower Upper
 264 100
 260 21.5 17.0 25.4
 265 21.3 16.6 24.8

