

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
 Data File : BF144113.D
 Acq On : 28 Oct 2025 21:12
 Operator : RC/JU
 Sample : Q3427-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-8

Quant Time: Oct 29 05:47:04 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)

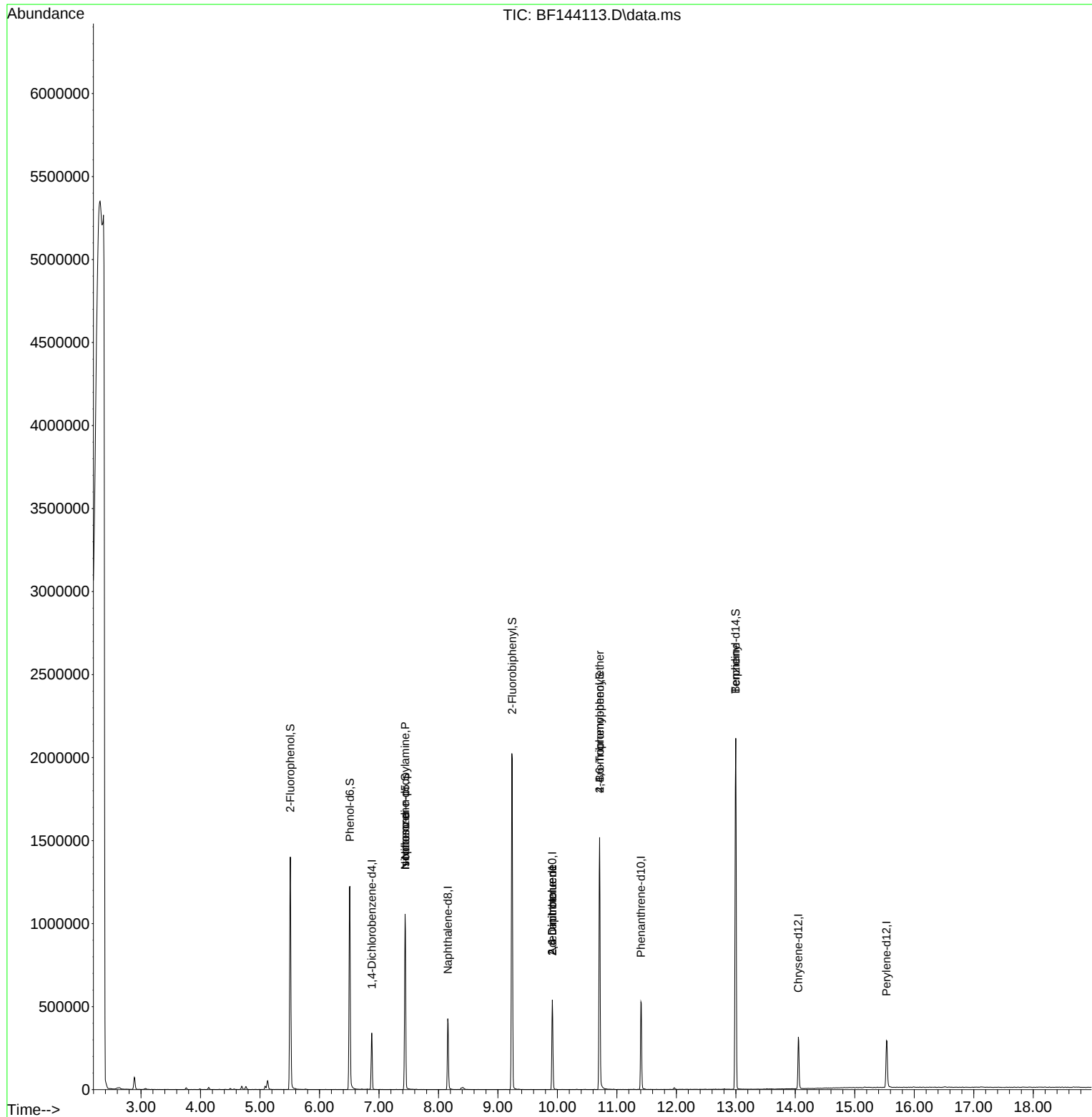
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	74080	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	279009	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	167913	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	308818	20.000	ng	0.00
76) Chrysene-d12	14.051	240	170446	20.000	ng	0.00
86) Perylene-d12	15.533	264	198506	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	520176	111.093	ng	0.02
7) Phenol-d6	6.510	99	543412	105.085	ng	0.00
23) Nitrobenzene-d5	7.439	82	458115	89.957	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	320789	149.979	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	988352	82.830	ng	0.00
79) Terphenyl-d14	12.998	244	1155809	118.548	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.439	70	69834	20.883	ng	Qvalue 72
25) Isophorone	7.439	82	458110	51.453	ng	# 66
51) 2,6-Dinitrotoluene	9.916	165	21479	9.872	ng	# 22
57) 2,4-Dinitrotoluene	9.916	165	21479	7.314	ng	# 25
67) 4-Bromophenyl-phenylether	10.710	248	18398	4.758	ng	# 1
77) Benzidine	12.998	184	13224	2.493	ng	97

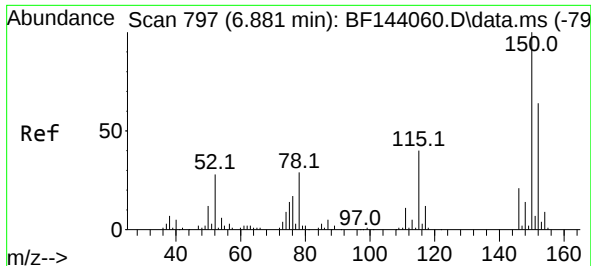
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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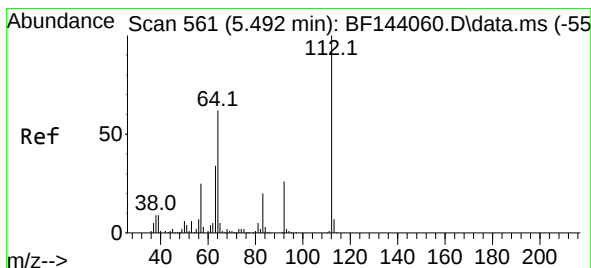
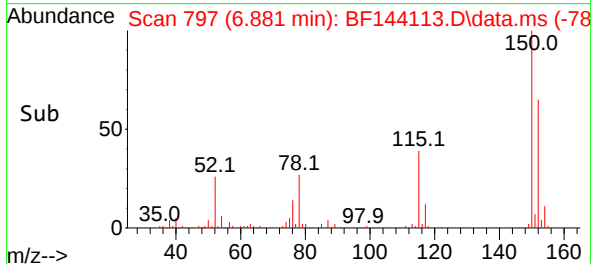
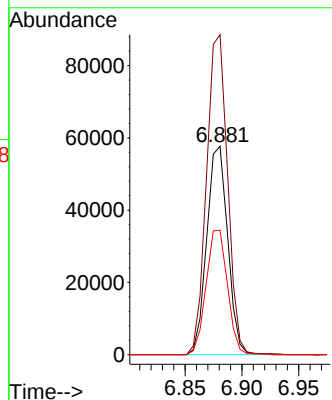
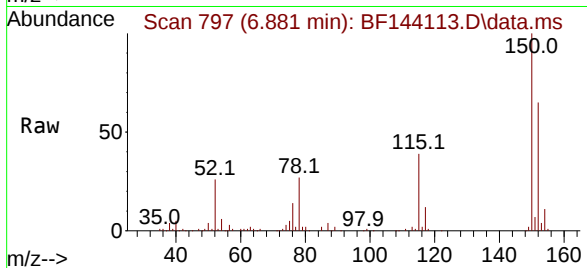




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.000 min
Lab File: BF144113.D
Acq: 28 Oct 2025 21:12

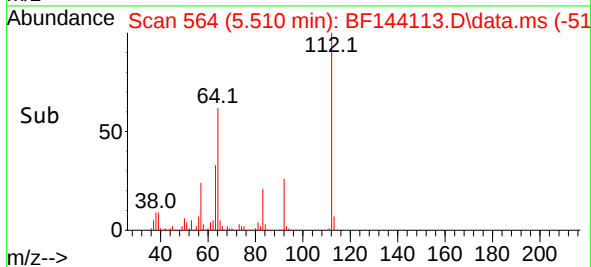
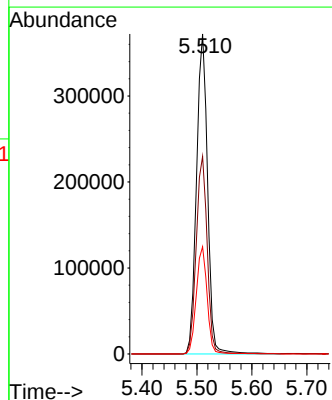
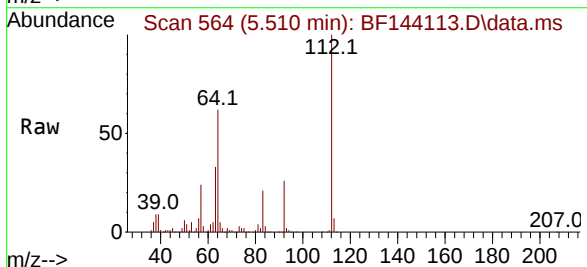
Instrument :
BNA_F
ClientSampleId :
TP-8

Tgt Ion:152 Resp: 74080
Ion Ratio Lower Upper
152 100
150 153.6 124.4 186.6
115 59.8 49.4 74.0



#5
2-Fluorophenol
Concen: 111.093 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.018 min
Lab File: BF144113.D
Acq: 28 Oct 2025 21:12

Tgt Ion:112 Resp: 520176
Ion Ratio Lower Upper
112 100
64 61.8 49.8 74.8
63 33.5 27.4 41.2

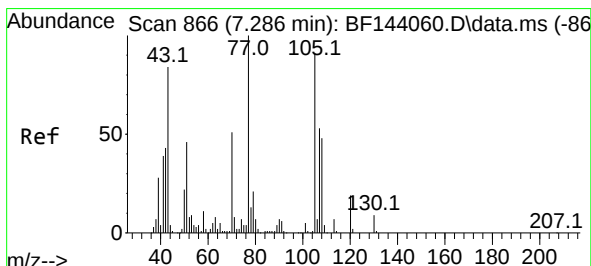
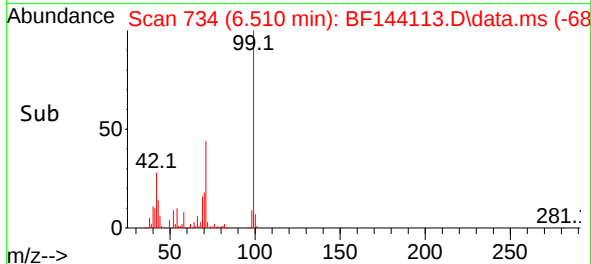
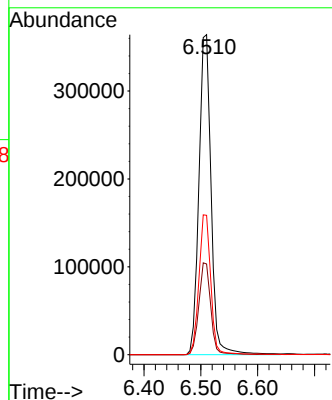
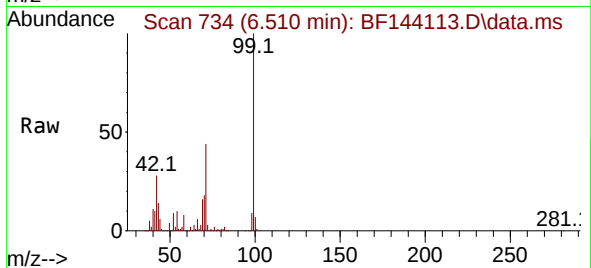




#7
Phenol-d6
Concen: 105.085 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF144113.D
Acq: 28 Oct 2025 21:12

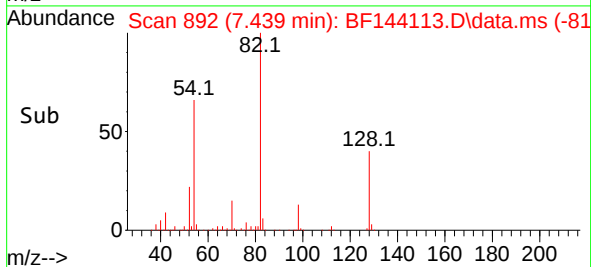
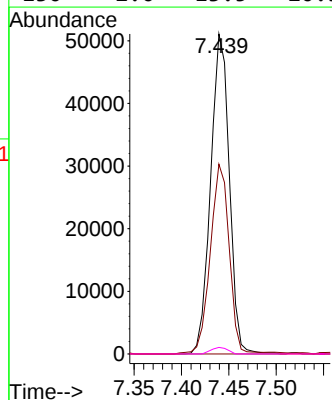
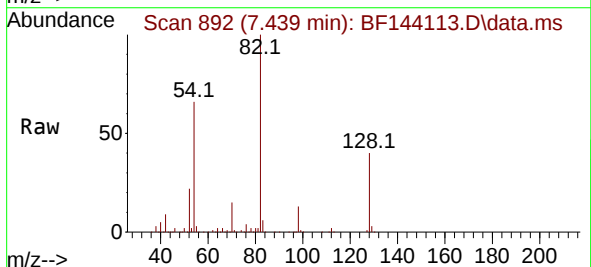
Instrument :
BNA_F
ClientSampleId :
TP-8

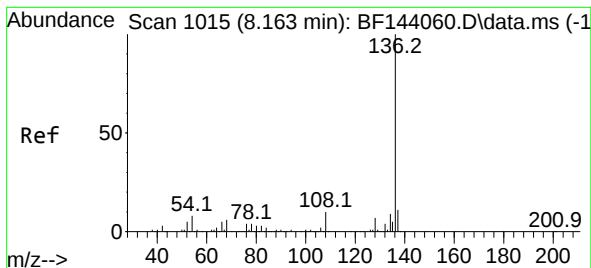
Tgt Ion: 99 Resp: 543412
Ion Ratio Lower Upper
99 100
42 28.4 23.9 35.9
71 43.6 34.4 51.6



#19
n-Nitroso-di-n-propylamine
Concen: 20.883 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.153 min
Lab File: BF144113.D
Acq: 28 Oct 2025 21:12

Tgt Ion: 70 Resp: 69834
Ion Ratio Lower Upper
70 100
42 59.3 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: BF144113.D

Acq: 28 Oct 2025 21:12

Instrument :

BNA_F

ClientSampleId :

TP-8

Tgt Ion:136 Resp: 279009

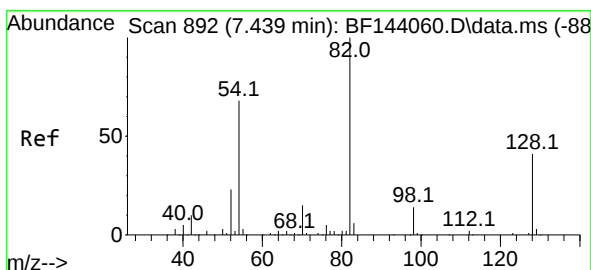
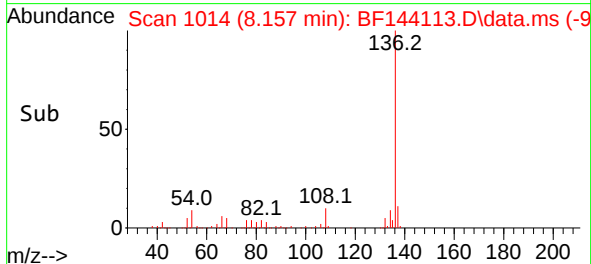
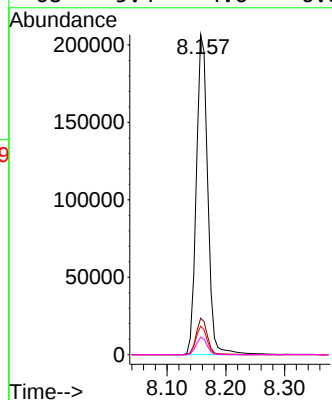
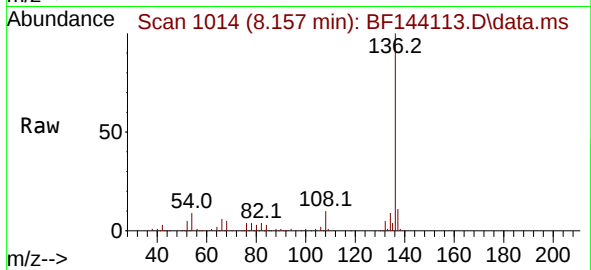
Ion Ratio Lower Upper

136 100

137 11.4 8.6 13.0

54 8.9 6.6 9.8

68 5.4 4.6 6.8



#23

Nitrobenzene-d5

Concen: 89.957 ng

RT: 7.439 min Scan# 892

Delta R.T. 0.000 min

Lab File: BF144113.D

Acq: 28 Oct 2025 21:12

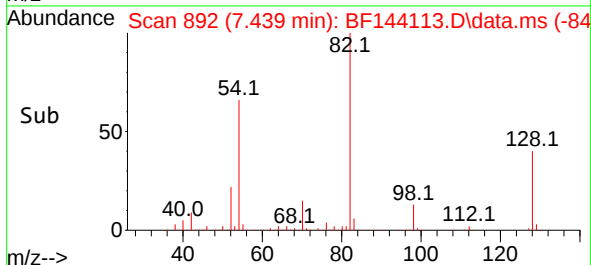
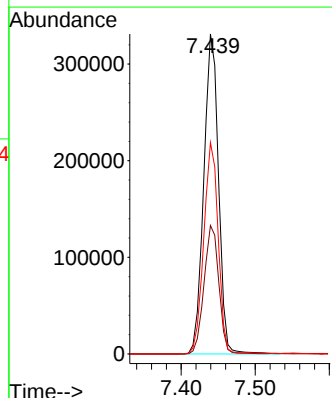
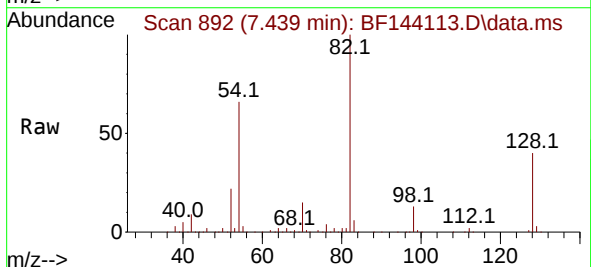
Tgt Ion: 82 Resp: 458115

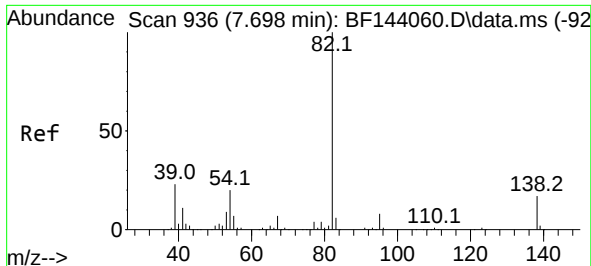
Ion Ratio Lower Upper

82 100

128 40.2 32.4 48.6

54 66.1 54.0 81.0

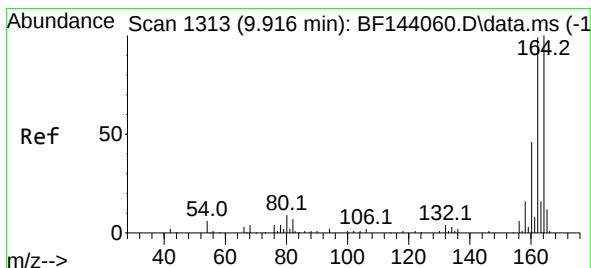
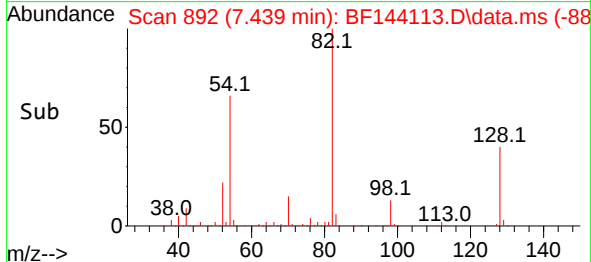
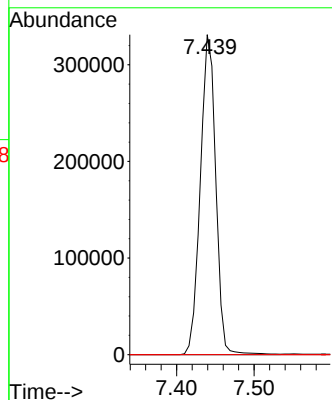
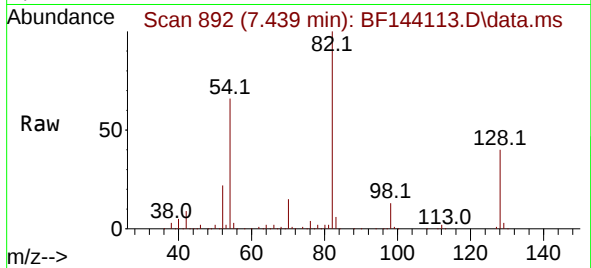




#25
Isophorone
Concen: 51.453 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.259 min
Lab File: BF144113.D
Acq: 28 Oct 2025 21:12

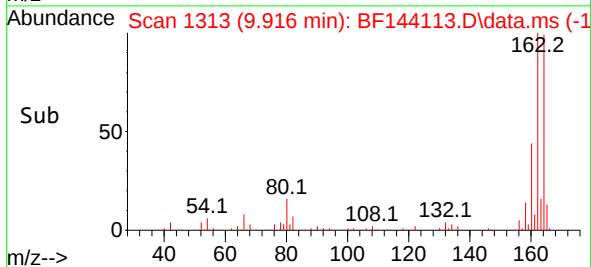
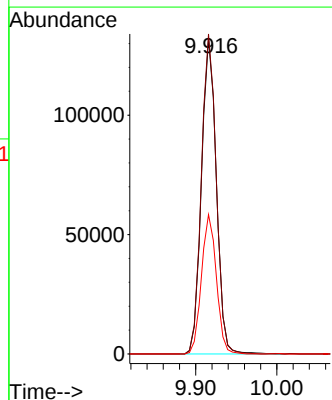
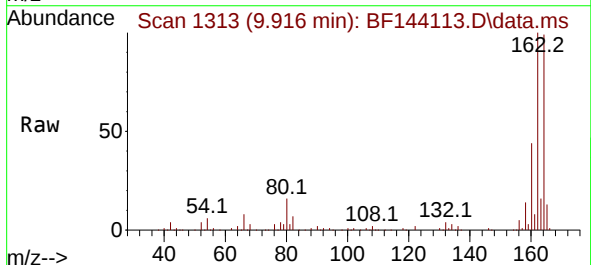
Instrument :
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TP-8

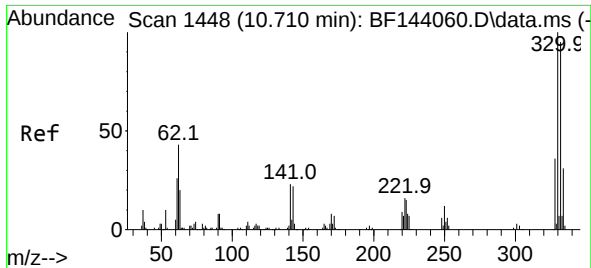
Tgt Ion: 82 Resp: 458110
Ion Ratio Lower Upper
82 100
95 0.0 6.6 9.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF144113.D
Acq: 28 Oct 2025 21:12

Tgt Ion:164 Resp: 167913
Ion Ratio Lower Upper
164 100
162 101.5 79.4 119.2
160 44.2 36.7 55.1

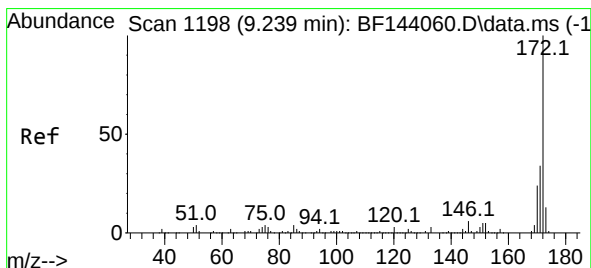
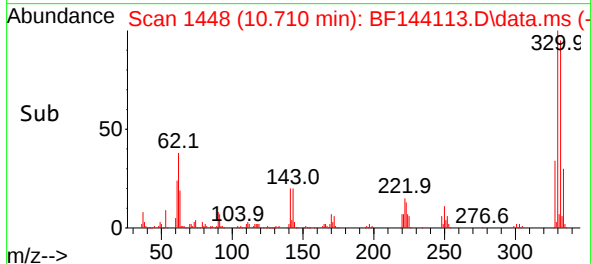
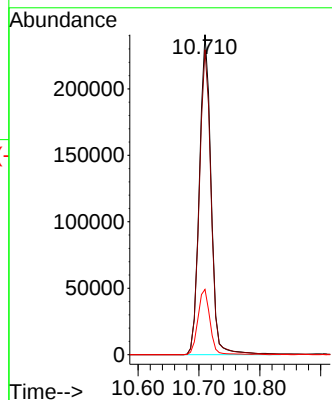
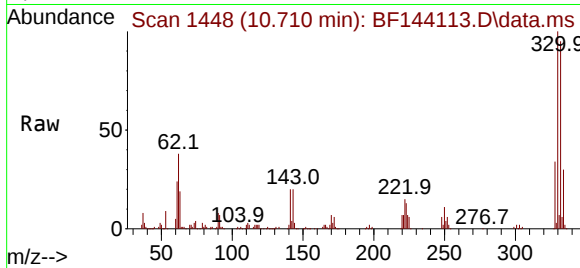




#42
2,4,6-Tribromophenol
Concen: 149.979 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.000 min
Lab File: BF144113.D
Acq: 28 Oct 2025 21:12

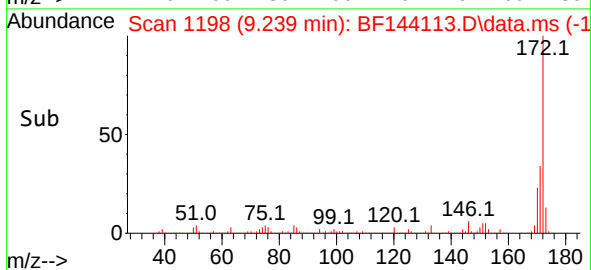
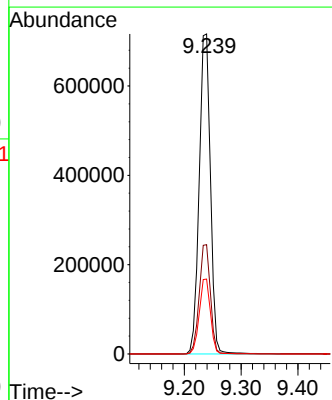
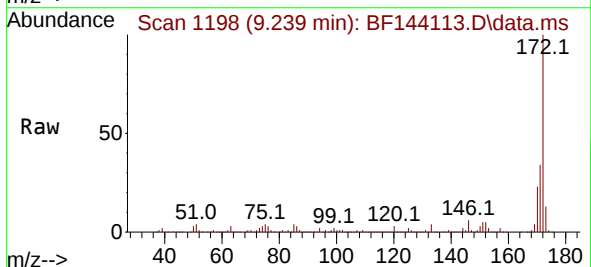
Instrument :
BNA_F
ClientSampleId :
TP-8

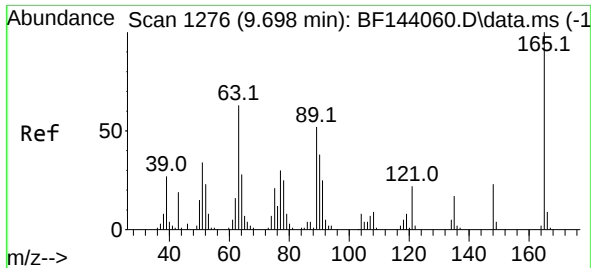
Tgt Ion:330 Resp: 320789
Ion Ratio Lower Upper
330 100
332 96.4 77.0 115.6
141 21.1 19.4 29.0



#45
2-Fluorobiphenyl
Concen: 82.830 ng
RT: 9.239 min Scan# 1198
Delta R.T. 0.000 min
Lab File: BF144113.D
Acq: 28 Oct 2025 21:12

Tgt Ion:172 Resp: 988352
Ion Ratio Lower Upper
172 100
171 34.2 27.5 41.3
170 23.4 19.0 28.6

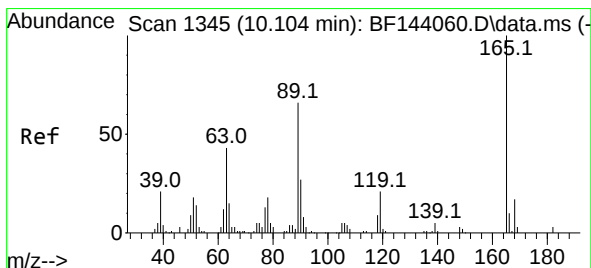
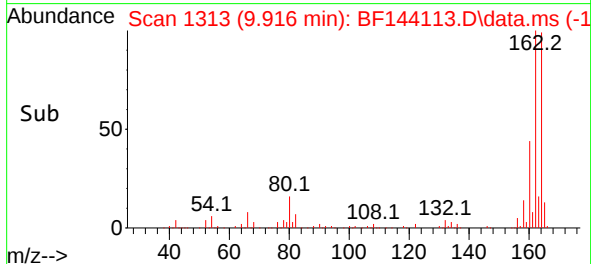
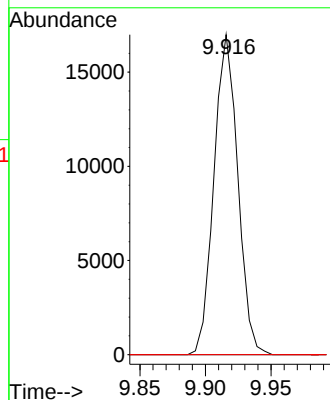
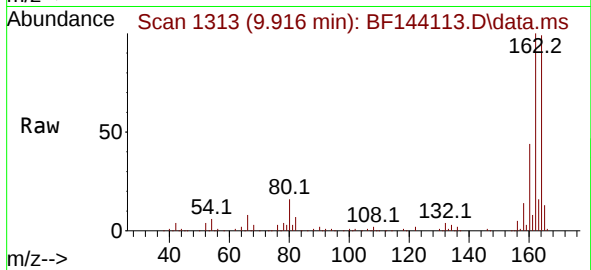




#51
2,6-Dinitrotoluene
Concen: 9.872 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF144113.D
Acq: 28 Oct 2025 21:12

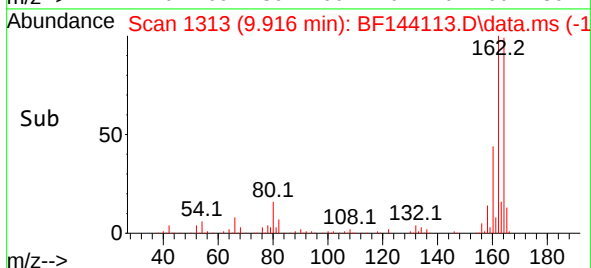
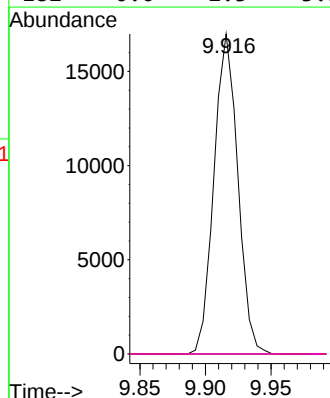
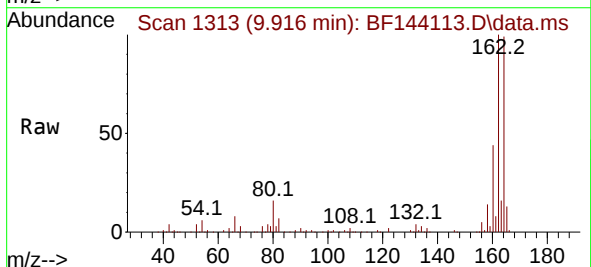
Instrument :
BNA_F
ClientSampleId :
TP-8

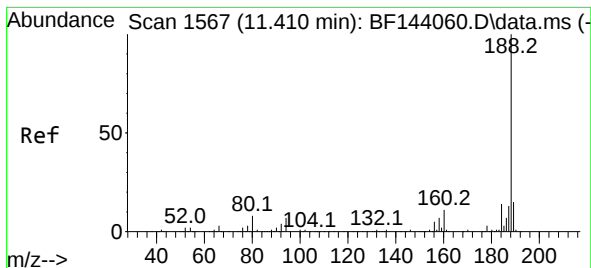
Tgt Ion:165 Resp: 21479
Ion Ratio Lower Upper
165 100
63 0.0 50.4 75.6#
89 0.0 41.4 62.2#



#57
2,4-Dinitrotoluene
Concen: 7.314 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.188 min
Lab File: BF144113.D
Acq: 28 Oct 2025 21:12

Tgt Ion:165 Resp: 21479
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: BF144113.D

Acq: 28 Oct 2025 21:12

Instrument :

BNA_F

ClientSampleId :

TP-8

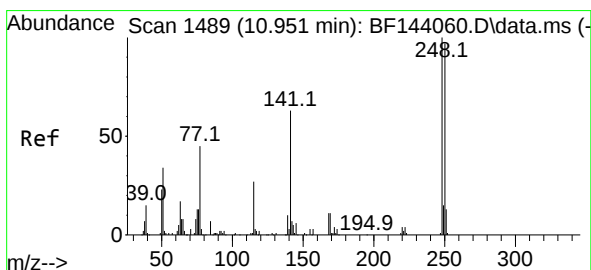
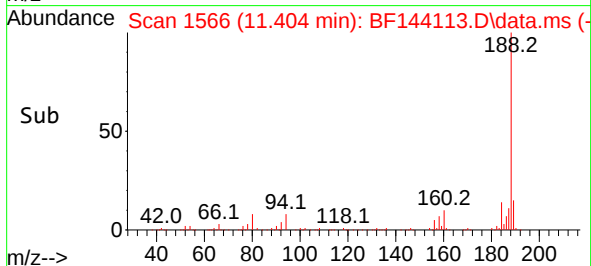
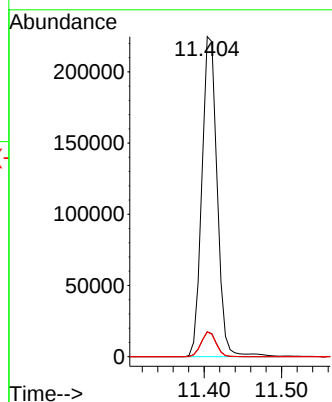
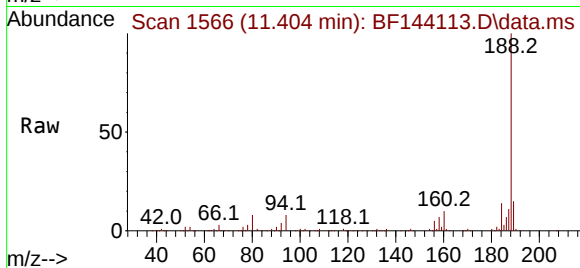
Tgt Ion:188 Resp: 308818

Ion Ratio Lower Upper

188 100

94 7.8 5.4 8.0

80 7.7 6.0 9.0



#67

4-Bromophenyl-phenylether

Concen: 4.758 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.241 min

Lab File: BF144113.D

Acq: 28 Oct 2025 21:12

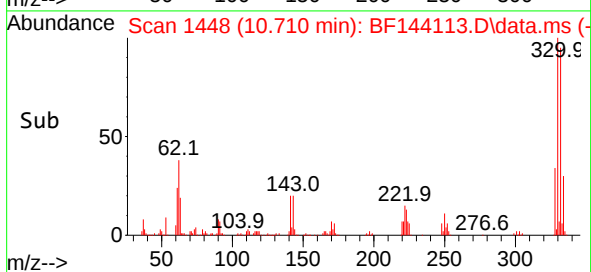
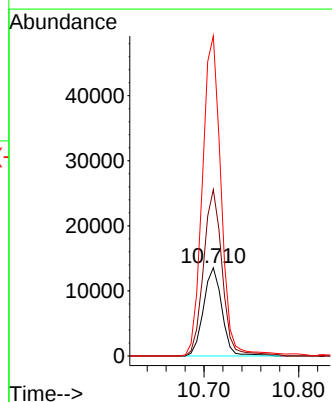
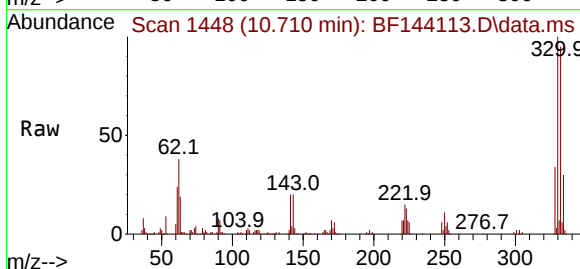
Tgt Ion:248 Resp: 18398

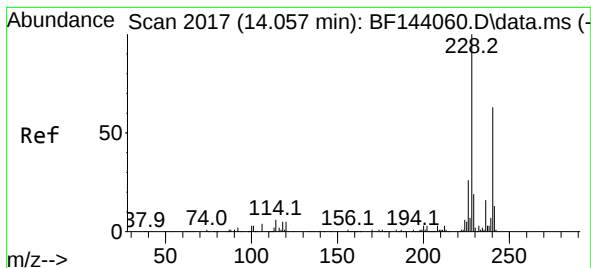
Ion Ratio Lower Upper

248 100

250 188.8 77.8 116.6#

141 363.0 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: BF144113.D

Acq: 28 Oct 2025 21:12

Instrument :

BNA_F

ClientSampleId :

TP-8

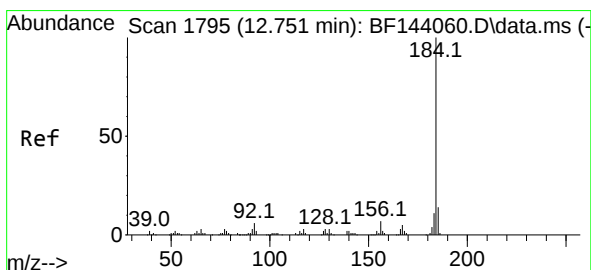
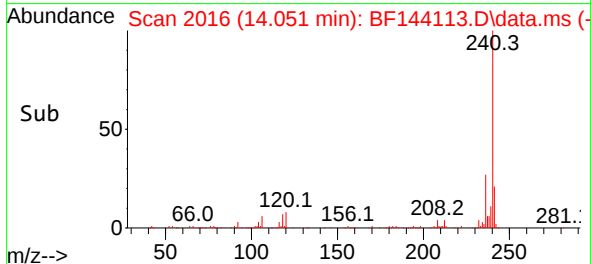
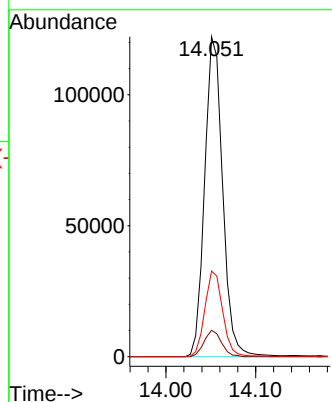
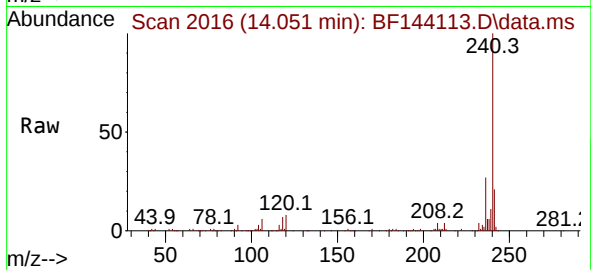
Tgt Ion:240 Resp: 170446

Ion Ratio Lower Upper

240 100

120 8.3 6.5 9.7

236 26.8 20.1 30.1



#77

Benzidine

Concen: 2.493 ng

RT: 12.998 min Scan# 1837

Delta R.T. 0.247 min

Lab File: BF144113.D

Acq: 28 Oct 2025 21:12

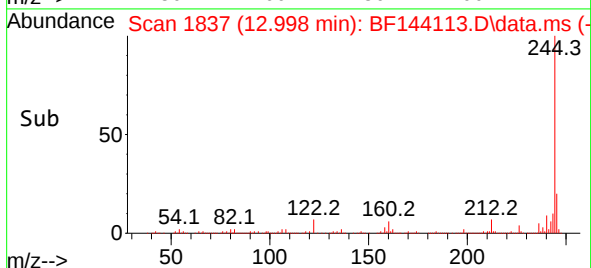
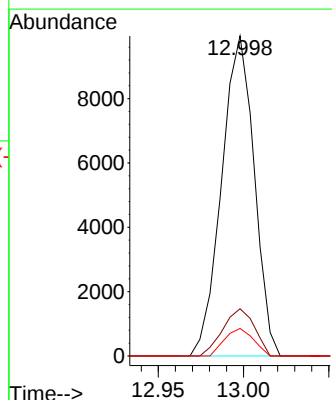
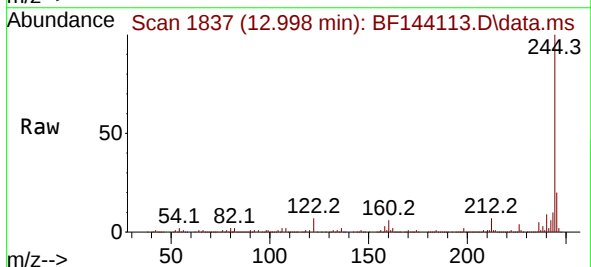
Tgt Ion:184 Resp: 13224

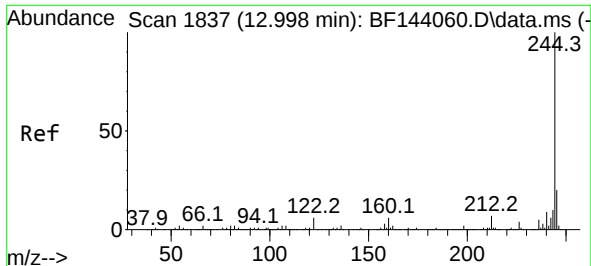
Ion Ratio Lower Upper

184 100

185 14.8 11.6 17.4

183 8.6 8.5 12.7

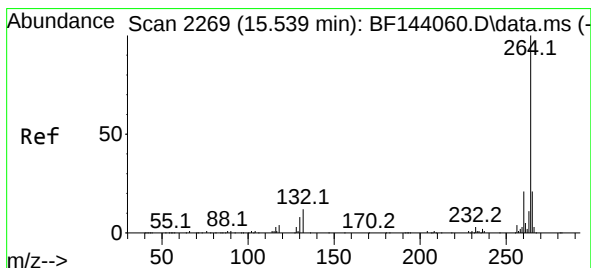
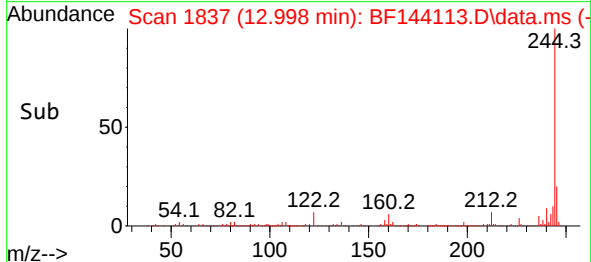
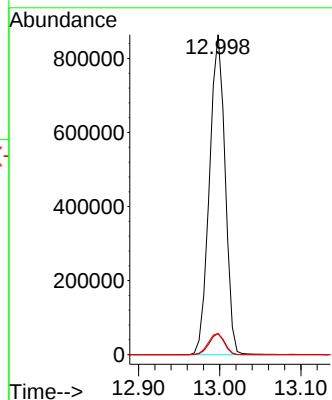
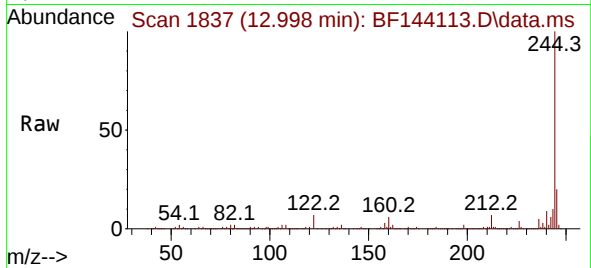




#79
 Terphenyl-d14
 Concen: 118.548 ng
 RT: 12.998 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF144113.D
 Acq: 28 Oct 2025 21:12

Instrument :
 BNA_F
 ClientSampleId :
 TP-8

Tgt Ion:244 Resp: 1155809
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.8 8.6
 122 6.6 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: BF144113.D
 Acq: 28 Oct 2025 21:12

Tgt Ion:264 Resp: 198506
 Ion Ratio Lower Upper
 264 100
 260 22.8 17.0 25.4
 265 22.3 16.6 24.8

