

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
 Data File : BF144264.D
 Acq On : 17 Nov 2025 13:21
 Operator : RC/JU
 Sample : PB170576BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 17 14:44:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

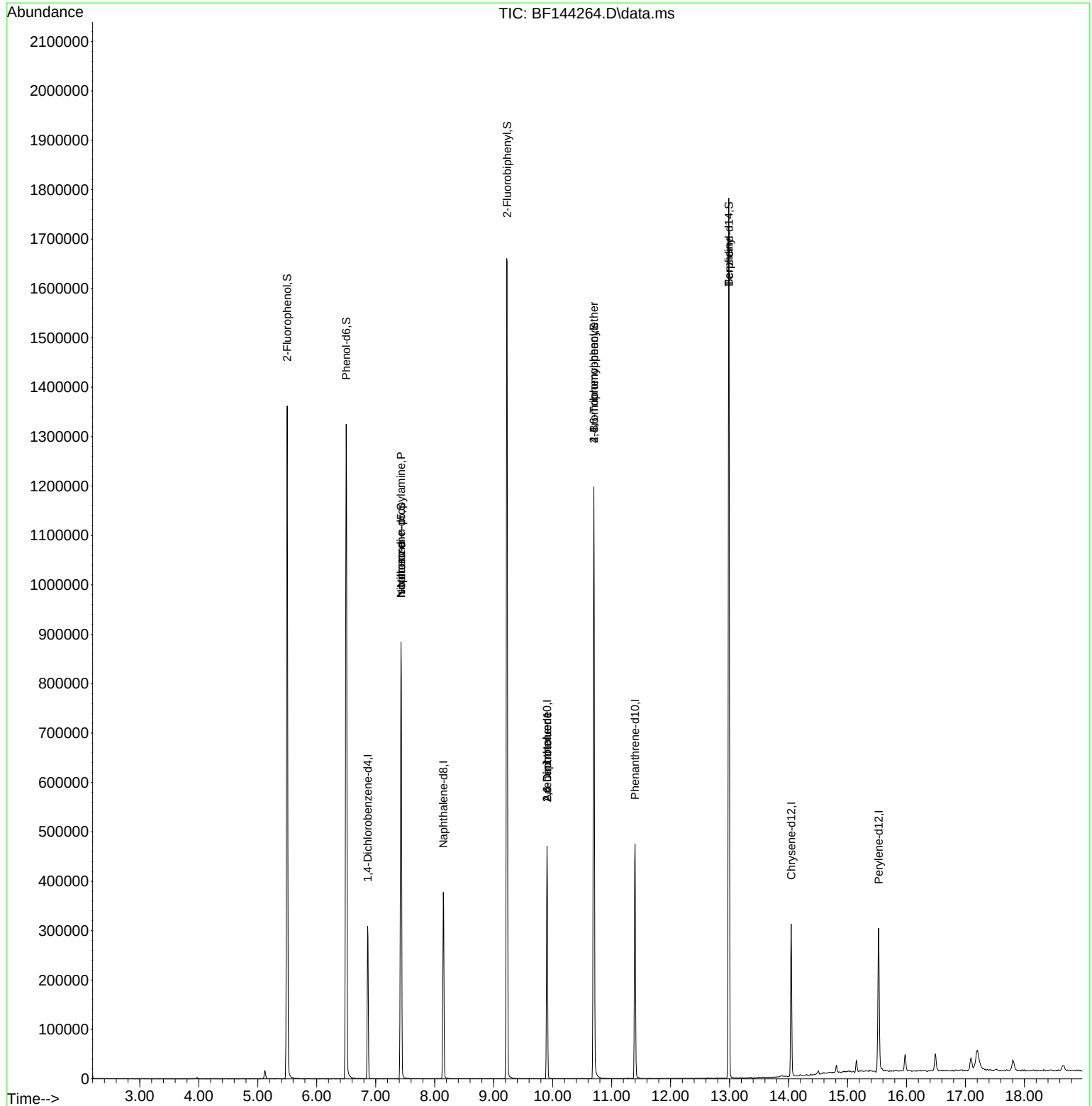
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	66285	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	255338	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	147126	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	272429	20.000	ng	0.00
76) Chrysene-d12	14.045	240	161260	20.000	ng	0.00
86) Perylene-d12	15.527	264	184176	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	529027	124.894	ng	0.00
7) Phenol-d6	6.498	99	597166	124.422	ng	0.00
23) Nitrobenzene-d5	7.428	82	394203	89.165	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	261487	141.631	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	846170	84.943	ng	0.00
79) Terphenyl-d14	12.986	244	997522	98.256	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	58040	18.370	ng	# 81
25) Isophorone	7.428	82	394200	47.139	ng	# 66
51) 2,6-Dinitrotoluene	9.904	165	19794	10.032	ng	# 27
57) 2,4-Dinitrotoluene	9.904	165	19794	7.494	ng	# 27
67) 4-Bromophenyl-phenylether	10.698	248	13675	3.933	ng	# 1
77) Benzidine	12.986	184	9778	2.050	ng	# 94

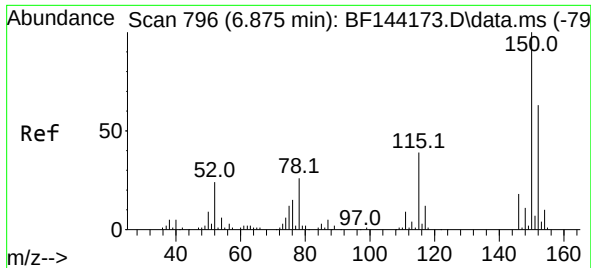
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144264.D
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Misc :
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Instrument :
BNA_F
ClientSampleId :

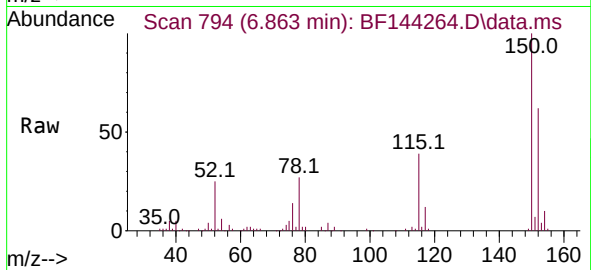
Quant Time: Nov 17 14:44:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
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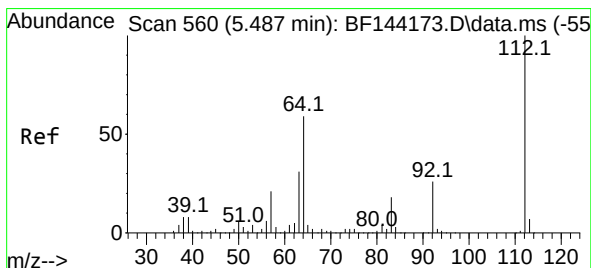
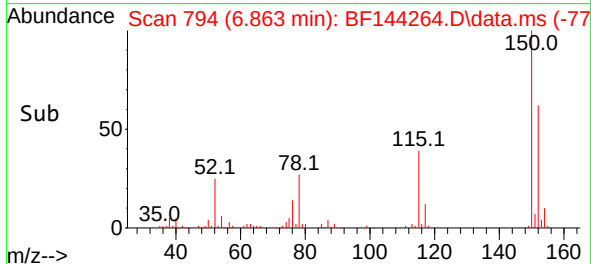
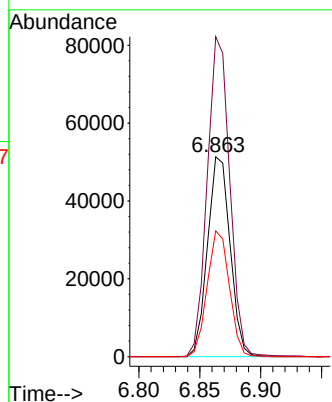


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144264.D
Acq: 17 Nov 2025 13:21

Instrument :
BNA_F
ClientSampleId :

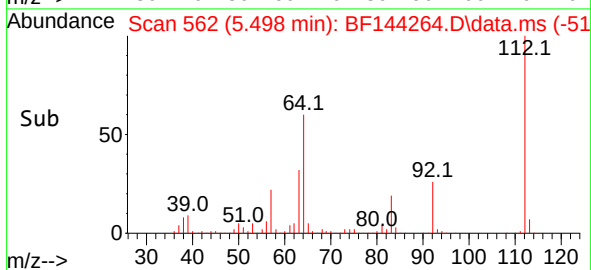
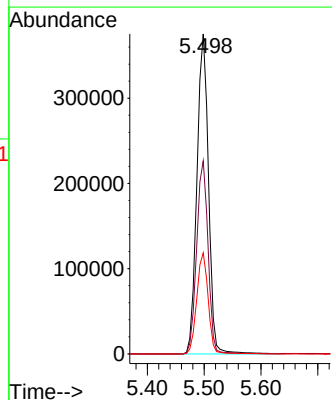
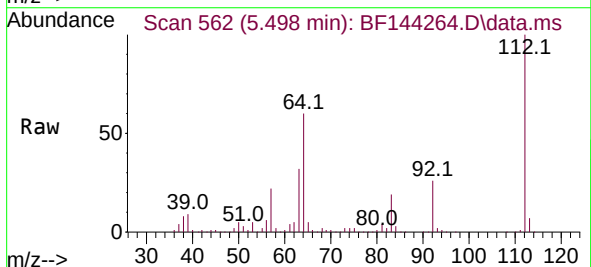


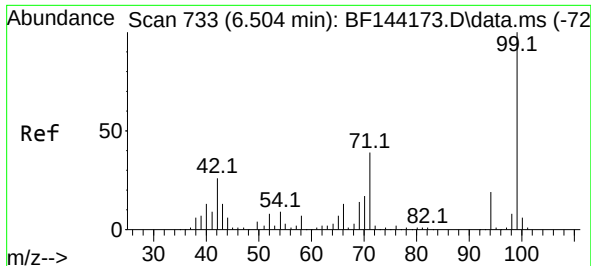
Tgt Ion:152 Resp: 66285
Ion Ratio Lower Upper
152 100
150 160.2 127.4 191.0
115 62.9 49.5 74.3



#5
2-Fluorophenol
Concen: 124.894 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF144264.D
Acq: 17 Nov 2025 13:21

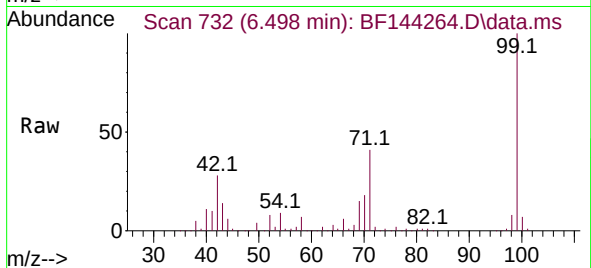
Tgt Ion:112 Resp: 529027
Ion Ratio Lower Upper
112 100
64 60.3 47.2 70.8
63 31.6 24.4 36.6



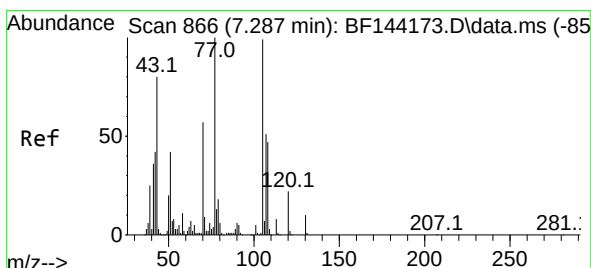
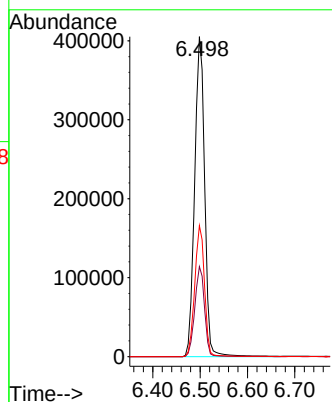
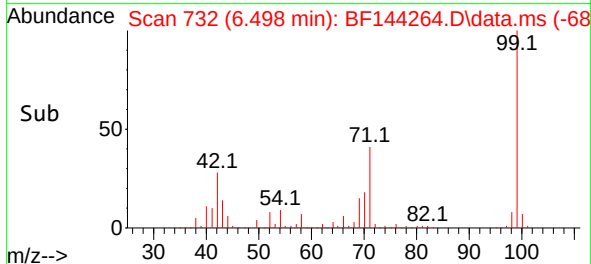


#7
Phenol-d6
Concen: 124.422 ng
RT: 6.498 min Scan# 733
Delta R.T. -0.000 min
Lab File: BF144264.D
Acq: 17 Nov 2025 13:21

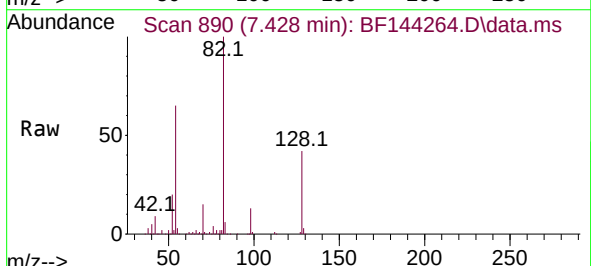
Instrument :
BNA_F
ClientSampleId :



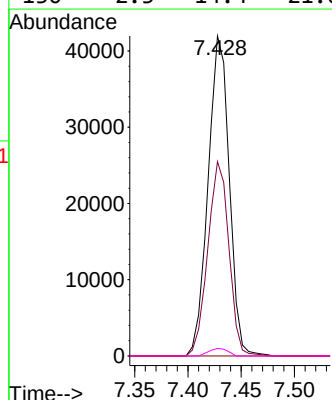
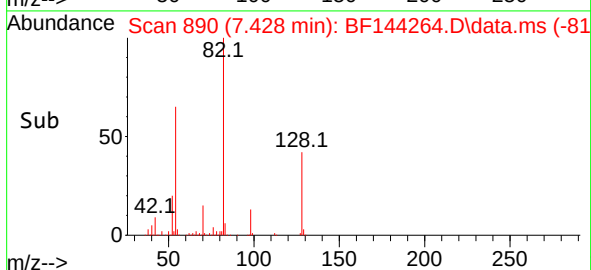
Tgt Ion: 99 Resp: 597166
Ion Ratio Lower Upper
99 100
42 28.1 20.9 31.3
71 40.9 31.4 47.2

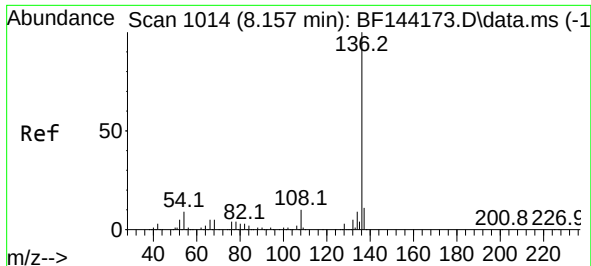


#19
n-Nitroso-di-n-propylamine
Concen: 18.370 ng
RT: 7.428 min Scan# 890
Delta R.T. 0.153 min
Lab File: BF144264.D
Acq: 17 Nov 2025 13:21



Tgt Ion: 70 Resp: 58040
Ion Ratio Lower Upper
70 100
42 60.7 58.3 87.5
101 0.0 7.0 10.6#
130 2.3 14.4 21.6#



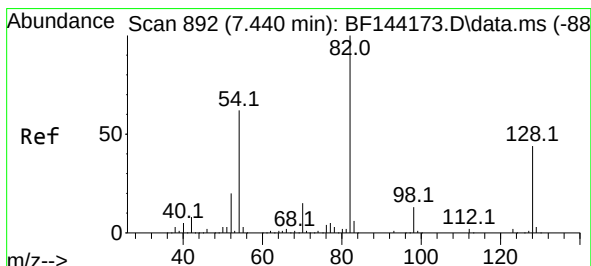
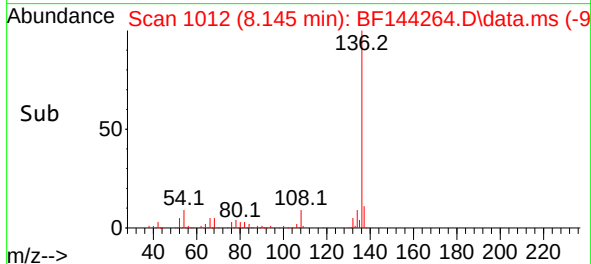
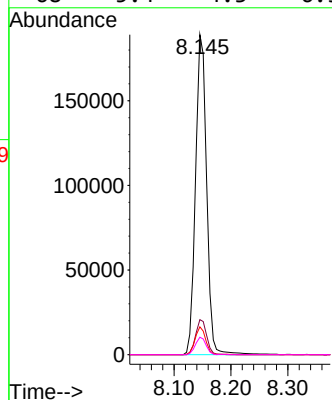
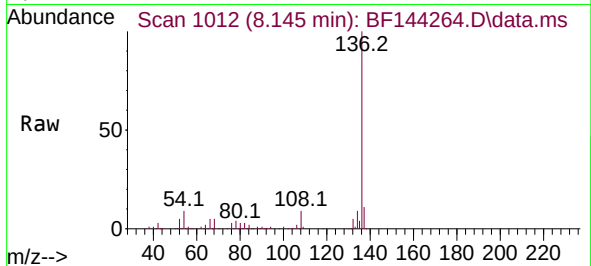


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 10
Delta R.T. -0.012 min
Lab File: BF144264.D
Acq: 17 Nov 2025 13:21

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 255338

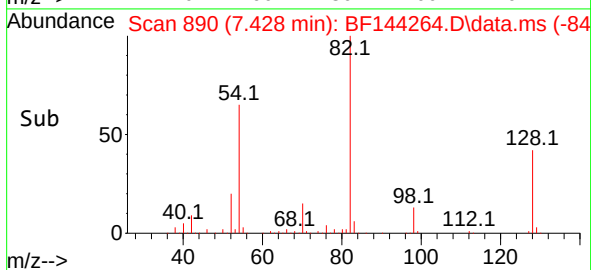
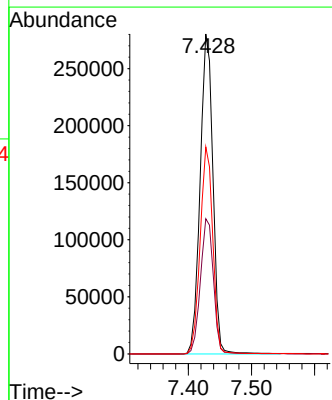
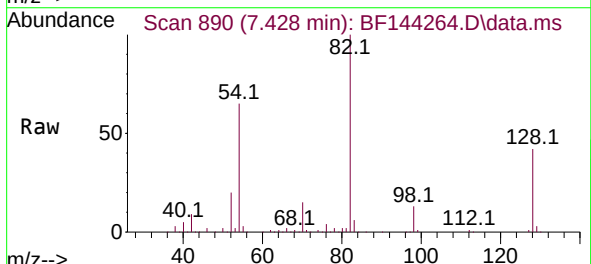
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.7	7.0	10.6
68	5.4	4.3	6.5

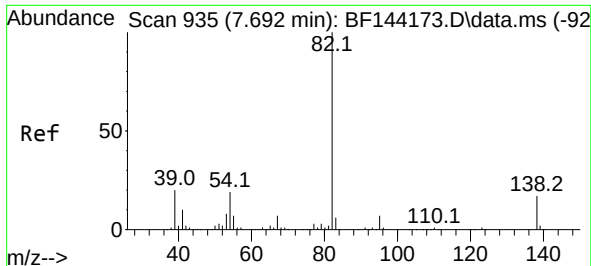


#23
Nitrobenzene-d5
Concen: 89.165 ng
RT: 7.428 min Scan# 890
Delta R.T. -0.006 min
Lab File: BF144264.D
Acq: 17 Nov 2025 13:21

Tgt Ion: 82 Resp: 394203

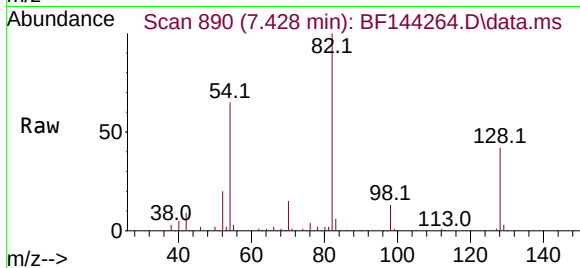
Ion	Ratio	Lower	Upper
82	100		
128	42.2	34.7	52.1
54	64.7	49.5	74.3



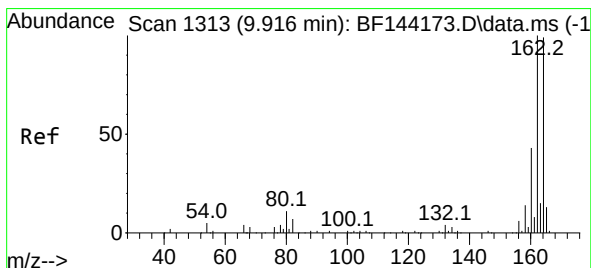
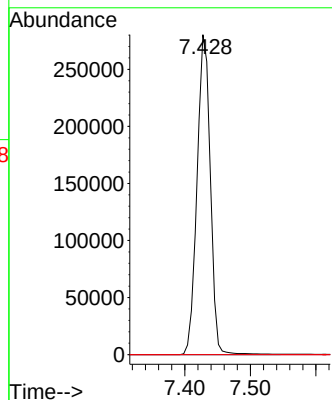
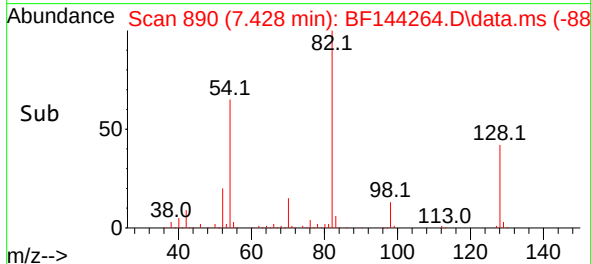


#25
Isophorone
Concen: 47.139 ng
RT: 7.428 min Scan# 89
Delta R.T. -0.259 min
Lab File: BF144264.D
Acq: 17 Nov 2025 13:21

Instrument :
BNA_F
ClientSampleId :

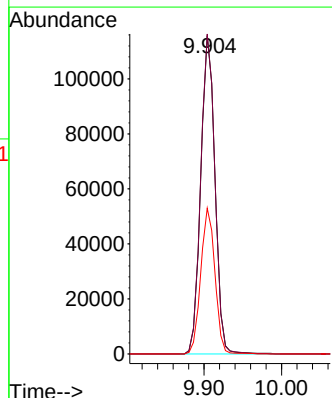
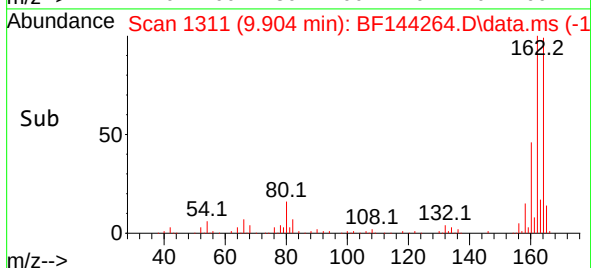
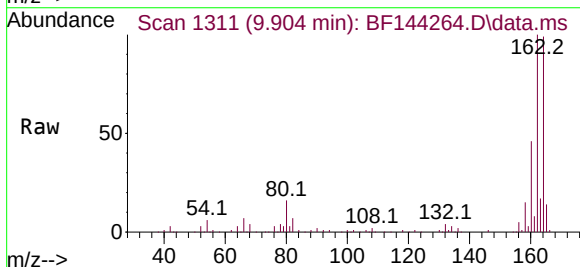


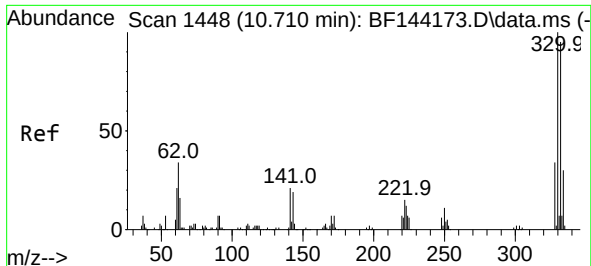
Tgt Ion: 82 Resp: 394200
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF144264.D
Acq: 17 Nov 2025 13:21

Tgt Ion:164 Resp: 147126
Ion Ratio Lower Upper
164 100
162 100.5 81.1 121.7
160 45.8 34.5 51.7





#42

2,4,6-Tribromophenol

Concen: 141.631 ng

RT: 10.698 min Scan# 1446

Delta R.T. -0.006 min

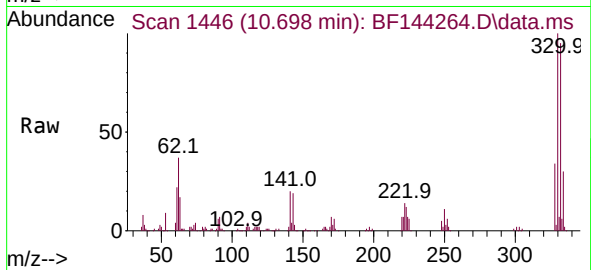
Lab File: BF144264.D

Acq: 17 Nov 2025 13:21

Instrument :

BNA_F

ClientSampleId :



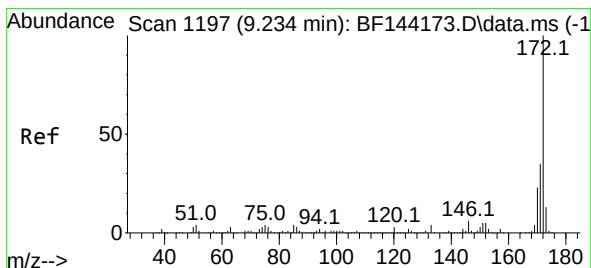
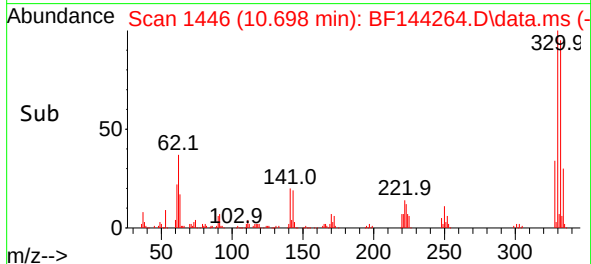
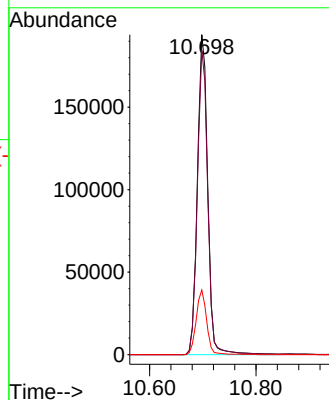
Tgt Ion:330 Resp: 261487

Ion Ratio Lower Upper

330 100

332 95.8 76.7 115.1

141 20.5 17.8 26.8



#45

2-Fluorobiphenyl

Concen: 84.943 ng

RT: 9.228 min Scan# 1196

Delta R.T. -0.000 min

Lab File: BF144264.D

Acq: 17 Nov 2025 13:21

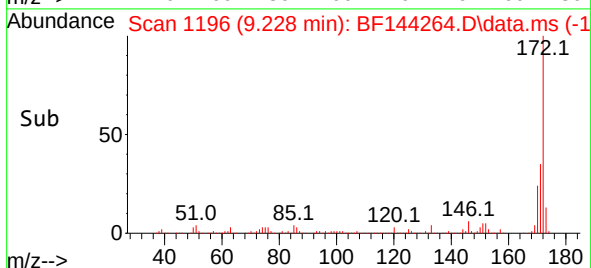
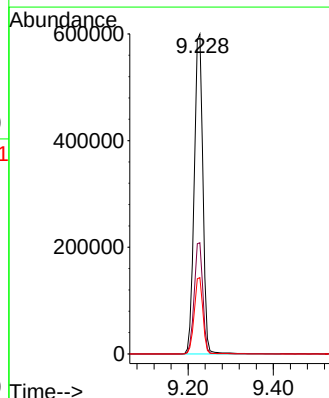
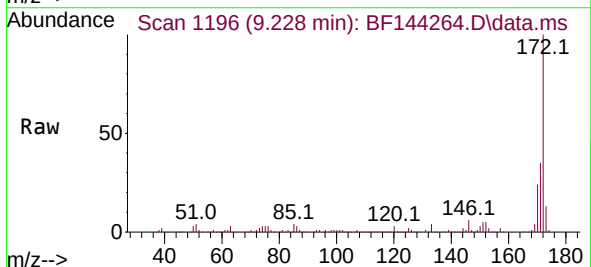
Tgt Ion:172 Resp: 846170

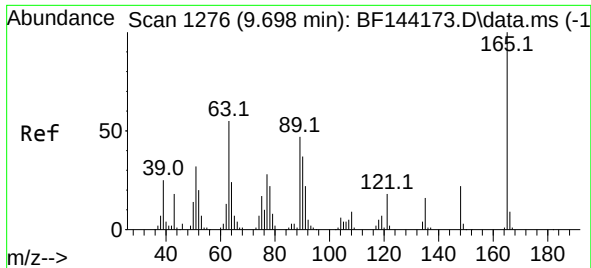
Ion Ratio Lower Upper

172 100

171 34.7 28.1 42.1

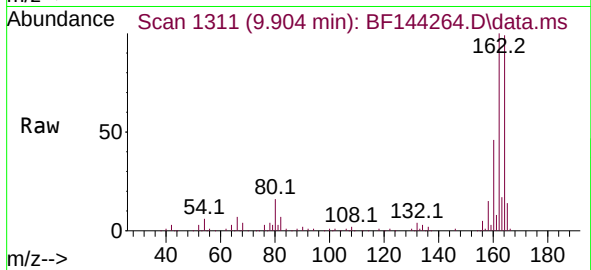
170 23.8 18.6 28.0



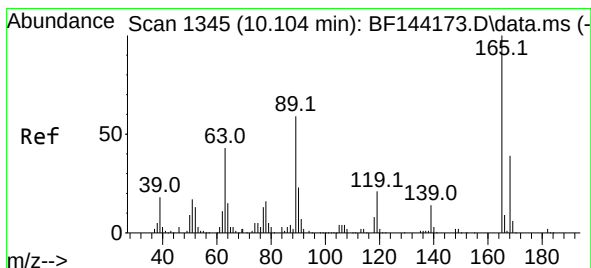
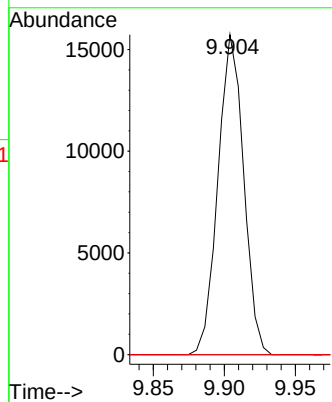
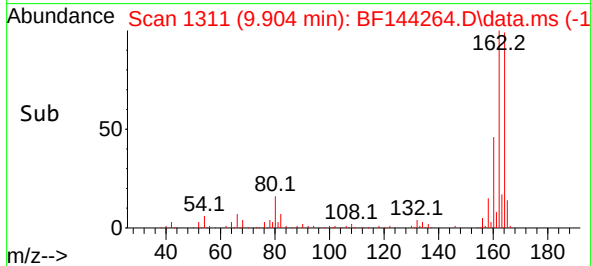


#51
2,6-Dinitrotoluene
Concen: 10.032 ng
RT: 9.904 min Scan# 1311
Delta R.T. 0.212 min
Lab File: BF144264.D
Acq: 17 Nov 2025 13:21

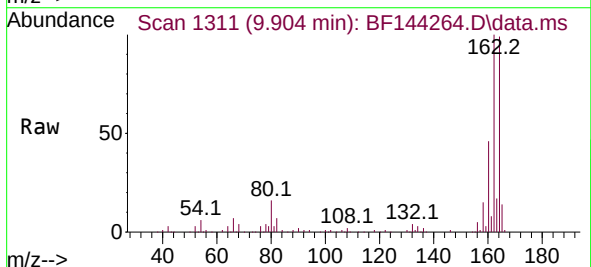
Instrument :
BNA_F
ClientSampleId :



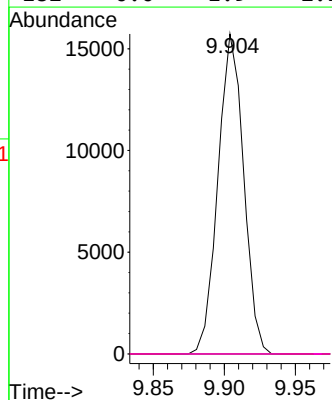
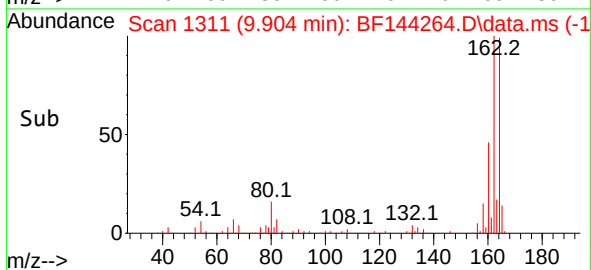
Tgt Ion:165 Resp: 19794
Ion Ratio Lower Upper
165 100
63 0.0 43.8 65.8#
89 0.0 37.5 56.3#

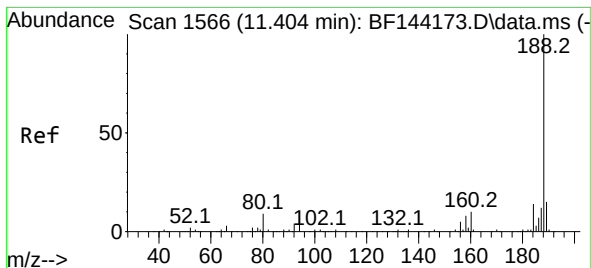


#57
2,4-Dinitrotoluene
Concen: 7.494 ng
RT: 9.904 min Scan# 1311
Delta R.T. -0.194 min
Lab File: BF144264.D
Acq: 17 Nov 2025 13:21



Tgt Ion:165 Resp: 19794
Ion Ratio Lower Upper
165 100
63 0.0 35.5 53.3#
89 0.0 47.4 71.2#
182 0.0 1.9 2.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF144264.D

Acq: 17 Nov 2025 13:21

Instrument :

BNA_F

ClientSampleId :

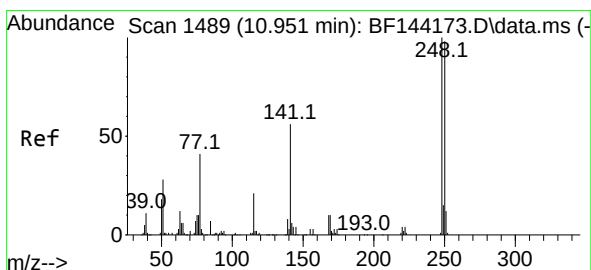
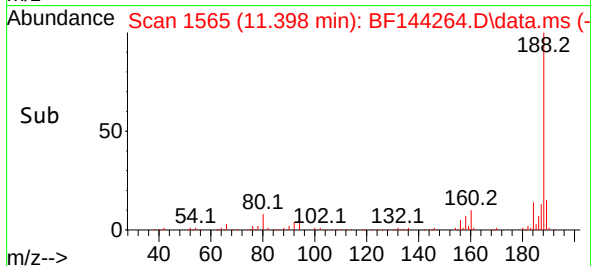
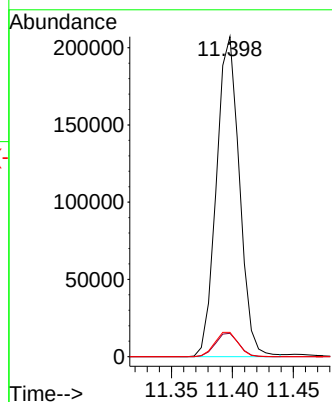
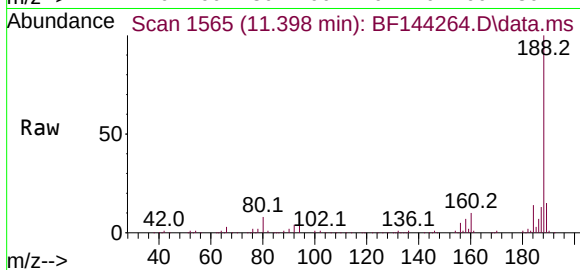
Tgt Ion:188 Resp: 272429

Ion Ratio Lower Upper

188 100

94 7.3 6.2 9.2

80 7.6 6.9 10.3



#67

4-Bromophenyl-phenylether

Concen: 3.933 ng

RT: 10.698 min Scan# 1446

Delta R.T. -0.247 min

Lab File: BF144264.D

Acq: 17 Nov 2025 13:21

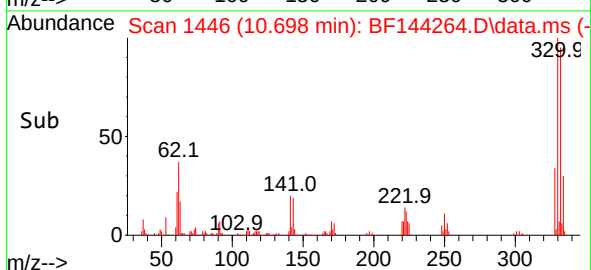
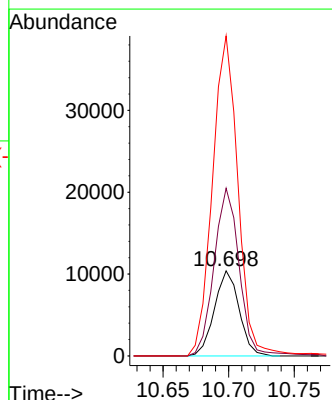
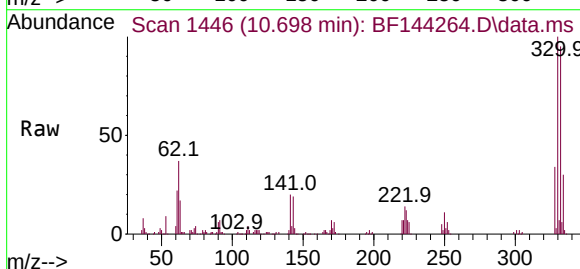
Tgt Ion:248 Resp: 13675

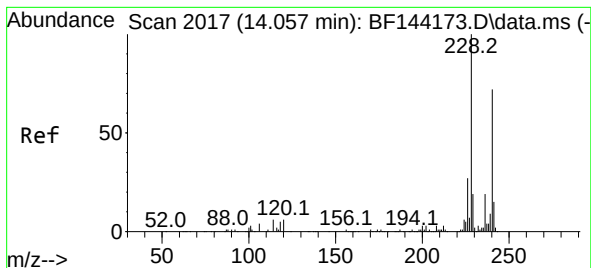
Ion Ratio Lower Upper

248 100

250 197.0 78.4 117.6#

141 376.1 45.1 67.7#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF144264.D

Acq: 17 Nov 2025 13:21

Instrument :

BNA_F

ClientSampleId :

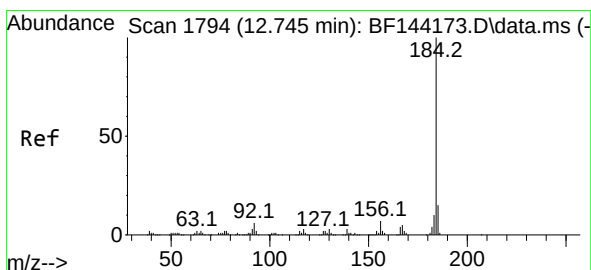
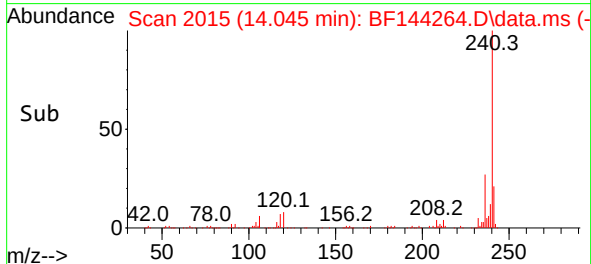
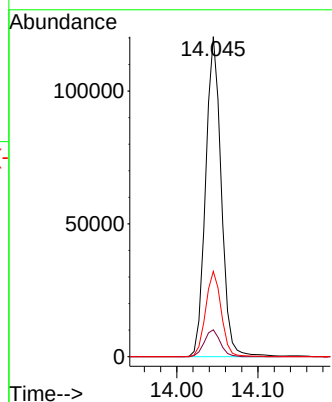
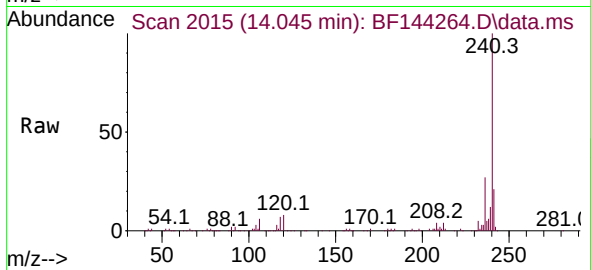
Tgt Ion:240 Resp: 161260

Ion Ratio Lower Upper

240 100

120 8.4 6.6 10.0

236 26.6 21.4 32.2



#77

Benzdine

Concen: 2.050 ng

RT: 12.986 min Scan# 1835

Delta R.T. 0.235 min

Lab File: BF144264.D

Acq: 17 Nov 2025 13:21

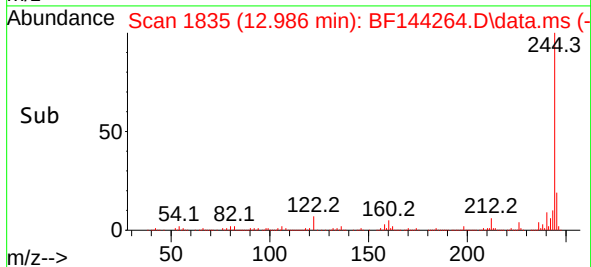
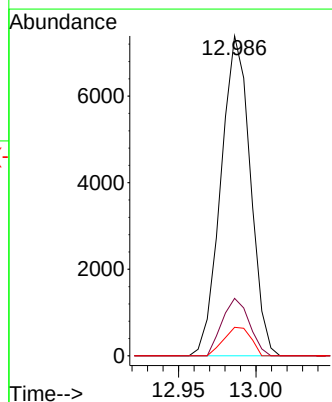
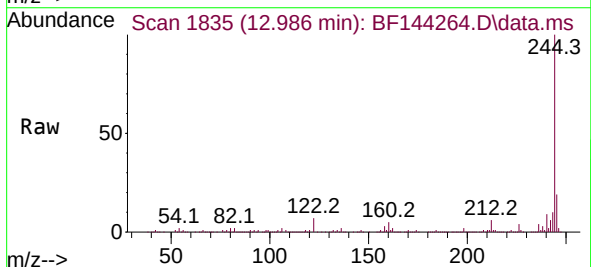
Tgt Ion:184 Resp: 9778

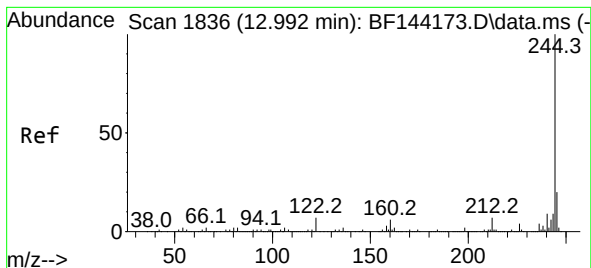
Ion Ratio Lower Upper

184 100

185 18.0 11.7 17.5#

183 8.9 8.3 12.5





#79

Terphenyl-d14

Concen: 98.256 ng

RT: 12.986 min Scan# 1835

Delta R.T. -0.006 min

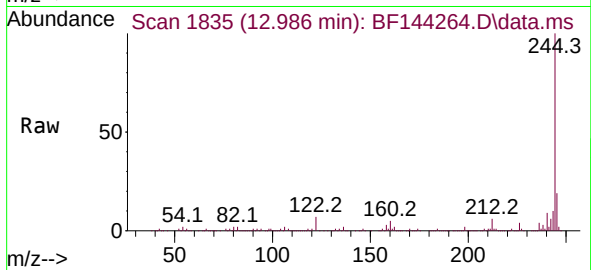
Lab File: BF144264.D

Acq: 17 Nov 2025 13:21

Instrument :

BNA_F

ClientSampleId :



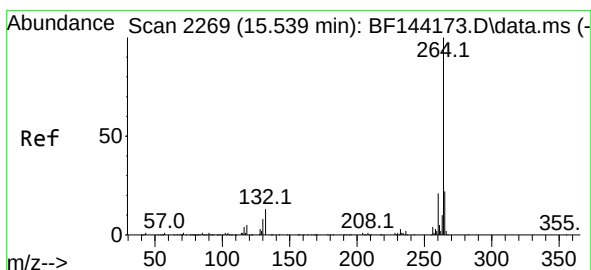
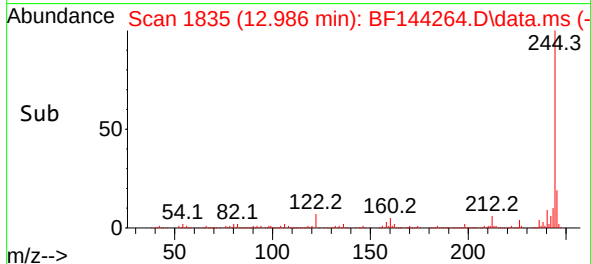
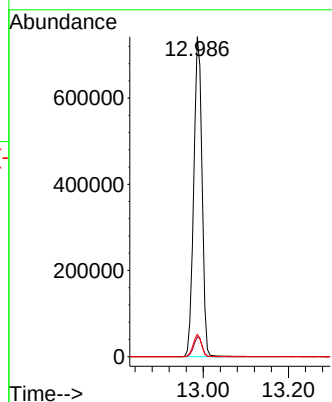
Tgt Ion:244 Resp: 997522

Ion Ratio Lower Upper

244 100

212 6.2 5.3 7.9

122 7.0 5.6 8.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2267

Delta R.T. -0.012 min

Lab File: BF144264.D

Acq: 17 Nov 2025 13:21

Tgt Ion:264 Resp: 184176

Ion Ratio Lower Upper

264 100

260 22.1 17.1 25.7

265 21.2 17.4 26.0

