

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
 Data File : BF144078.D
 Acq On : 27 Oct 2025 12:26
 Operator : RC/JU
 Sample : PB170210BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB170210BL

Quant Time: Oct 27 13:08:31 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)

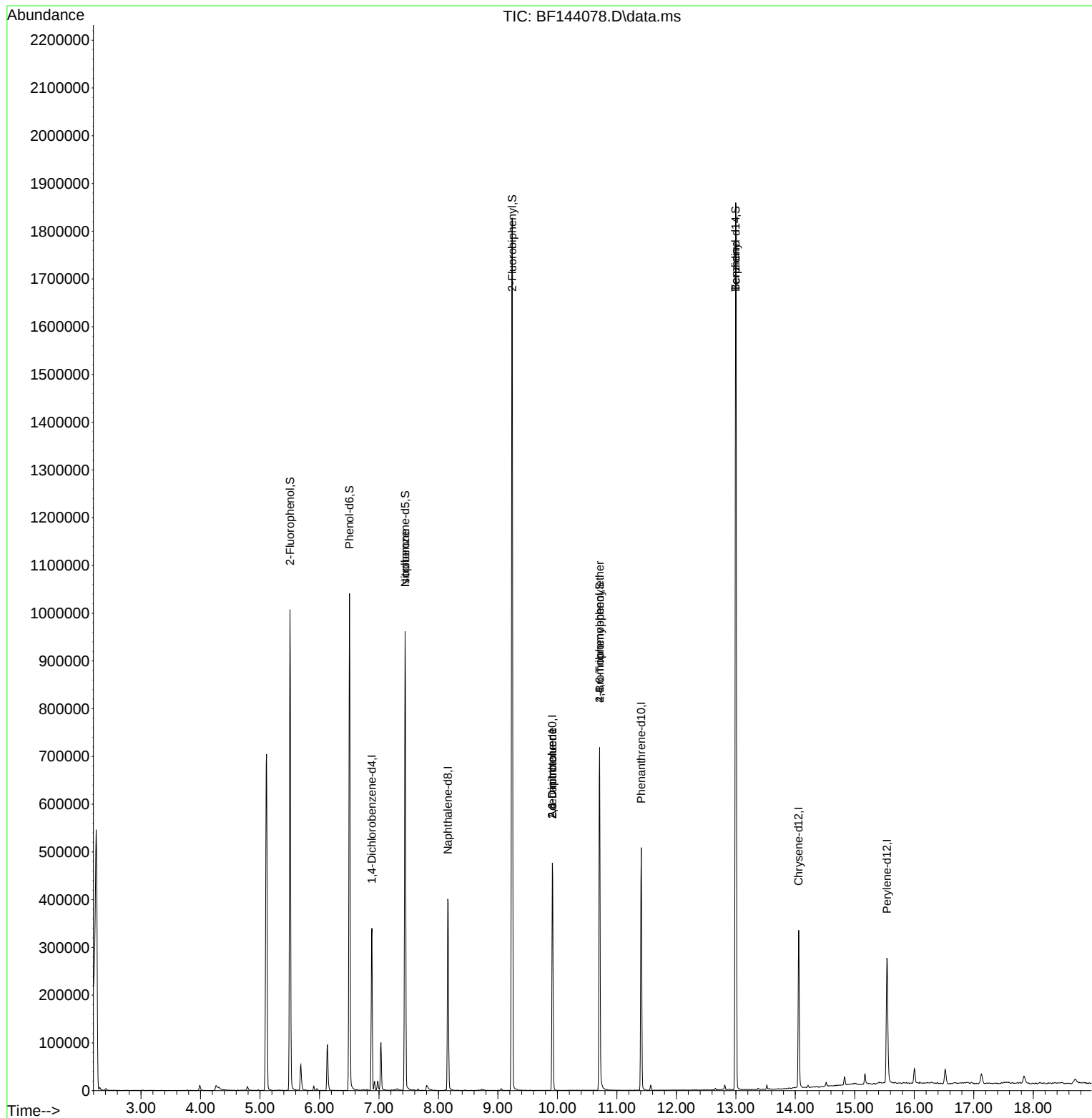
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	69834	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	269261	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	147528	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	293923	20.000	ng	0.00
76) Chrysene-d12	14.057	240	172811	20.000	ng	0.00
86) Perylene-d12	15.539	264	183496	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	363375	82.324	ng	0.01
7) Phenol-d6	6.504	99	427429	87.682	ng	0.00
23) Nitrobenzene-d5	7.439	82	413295	84.094	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	150217	79.936	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	884237	84.344	ng	0.00
79) Terphenyl-d14	12.998	244	1026051	103.799	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.439	82	413289	48.099	ng	# 66
51) 2,6-Dinitrotoluene	9.916	165	19552	10.228	ng	# 24
57) 2,4-Dinitrotoluene	9.916	165	19552	7.578	ng	# 26
67) 4-Bromophenyl-phenylether	10.710	248	9256	2.515	ng	# 1
77) Benzidine	12.998	184	11288	2.099	ng	# 90

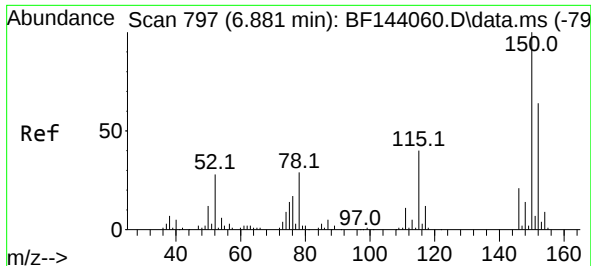
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
Data File : BF144078.D
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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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Quant Time: Oct 27 13:08:31 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
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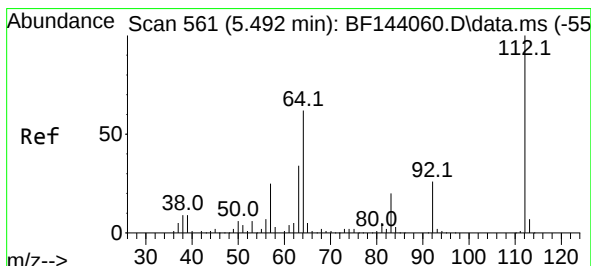
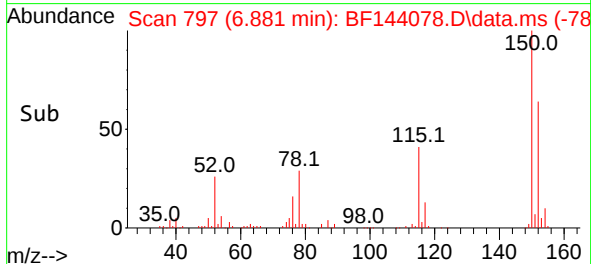
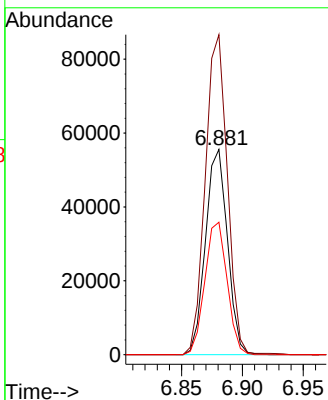
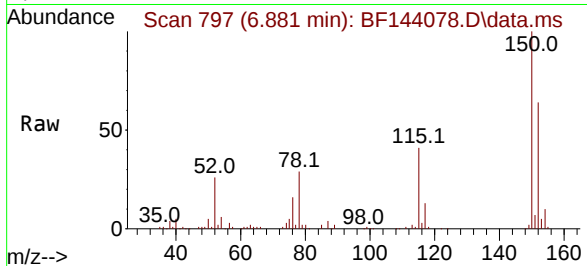




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.000 min
Lab File: BF144078.D
Acq: 27 Oct 2025 12:26

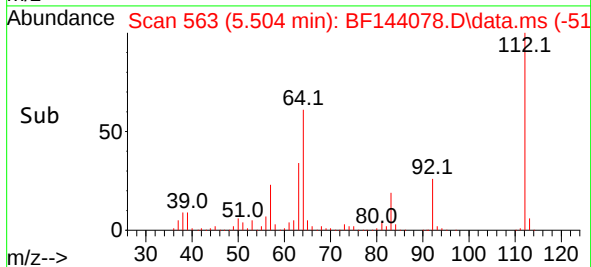
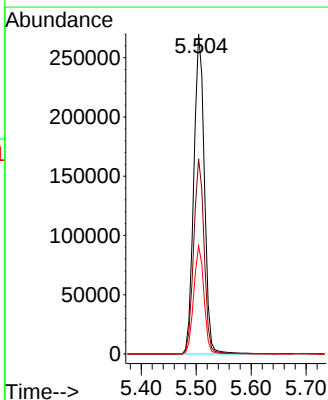
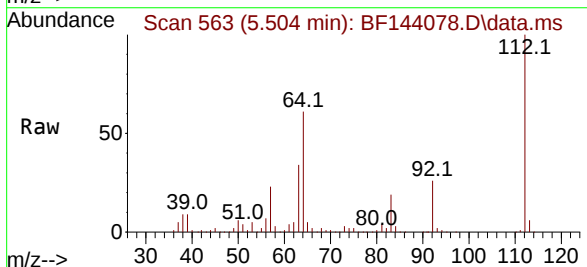
Instrument :
BNA_F
ClientSampleId :
PB170210BL

Tgt Ion:152 Resp: 69834
Ion Ratio Lower Upper
152 100
150 155.9 124.4 186.6
115 64.6 49.4 74.0



#5
2-Fluorophenol
Concen: 82.324 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF144078.D
Acq: 27 Oct 2025 12:26

Tgt Ion:112 Resp: 363375
Ion Ratio Lower Upper
112 100
64 61.0 49.8 74.8
63 33.8 27.4 41.2

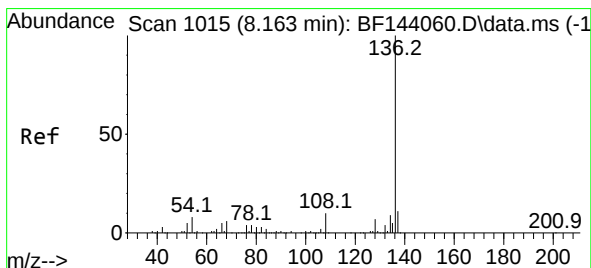
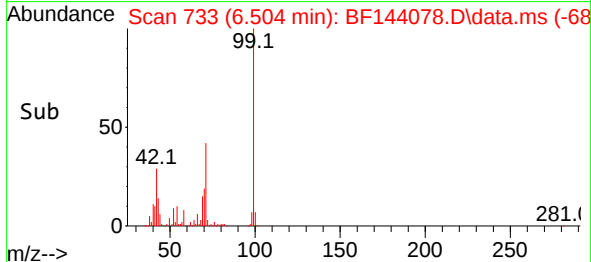
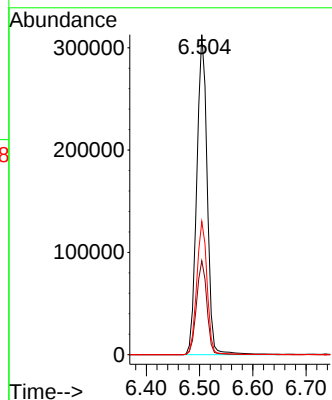
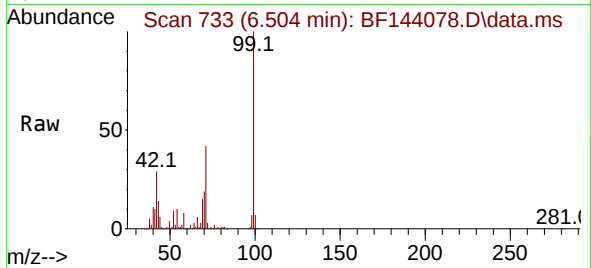




#7
Phenol-d6
Concen: 87.682 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF144078.D
Acq: 27 Oct 2025 12:26

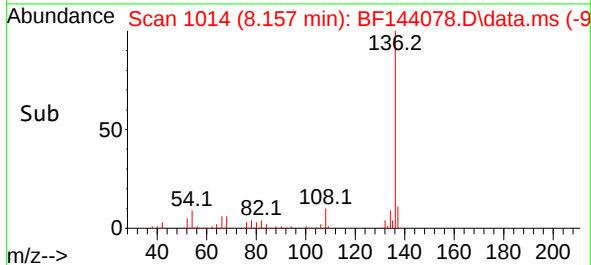
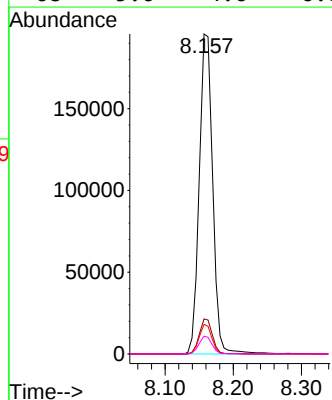
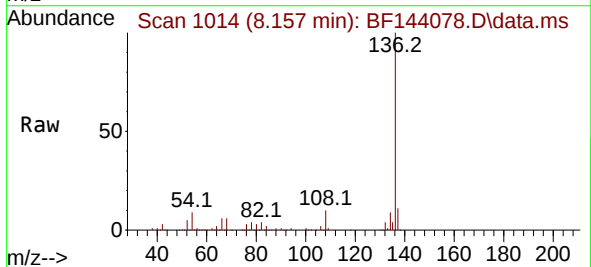
Instrument :
BNA_F
ClientSampleId :
PB170210BL

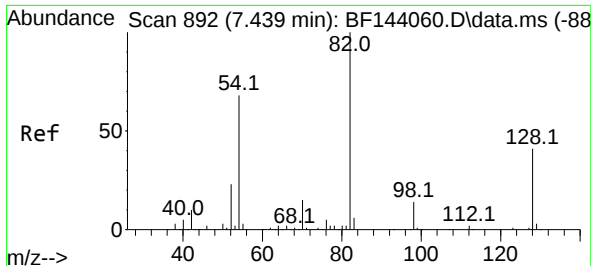
Tgt Ion: 99 Resp: 427429
Ion Ratio Lower Upper
99 100
42 29.4 23.9 35.9
71 41.7 34.4 51.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF144078.D
Acq: 27 Oct 2025 12:26

Tgt Ion:136 Resp: 269261
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 9.3 6.6 9.8
68 5.6 4.6 6.8

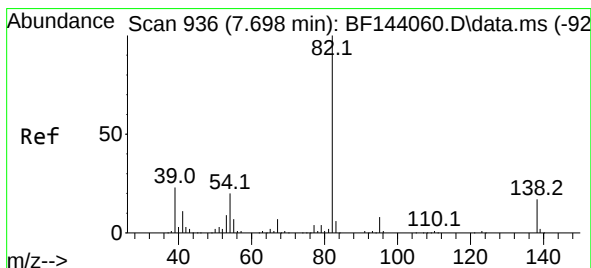
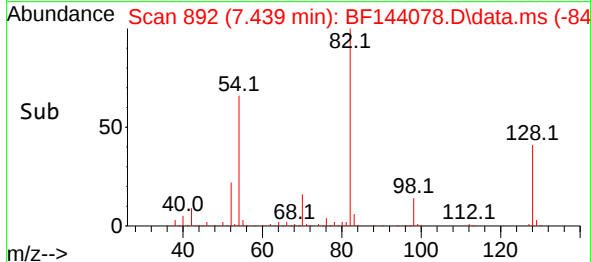
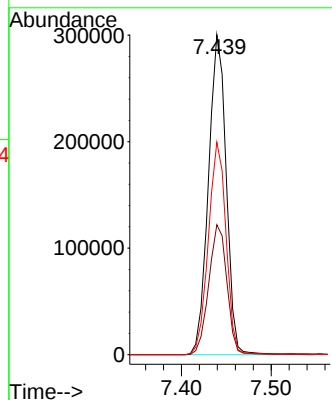
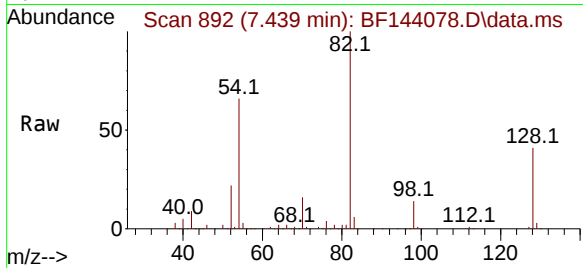




#23
Nitrobenzene-d5
Concen: 84.094 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.000 min
Lab File: BF144078.D
Acq: 27 Oct 2025 12:26

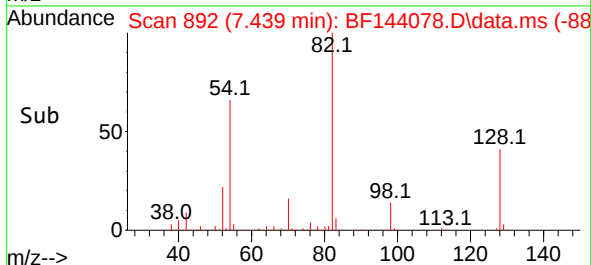
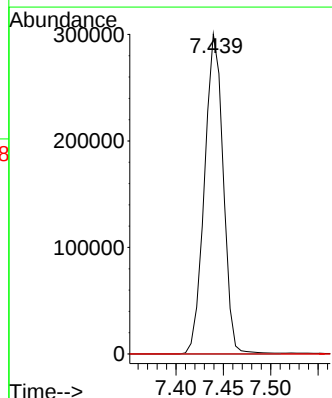
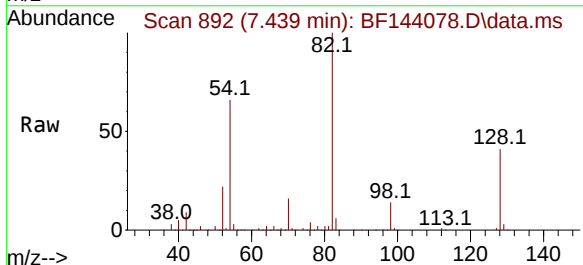
Instrument :
BNA_F
ClientSampleId :
PB170210BL

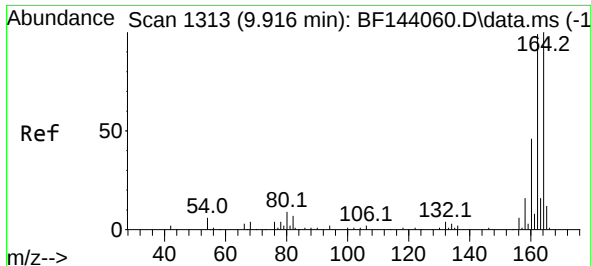
Tgt Ion: 82 Resp: 413295
Ion Ratio Lower Upper
82 100
128 40.6 32.4 48.6
54 66.4 54.0 81.0



#25
Isophorone
Concen: 48.099 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.259 min
Lab File: BF144078.D
Acq: 27 Oct 2025 12:26

Tgt Ion: 82 Resp: 413289
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# 1

Delta R.T. 0.000 min

Lab File: BF144078.D

Acq: 27 Oct 2025 12:26

Instrument :

BNA_F

ClientSampleId :

PB170210BL

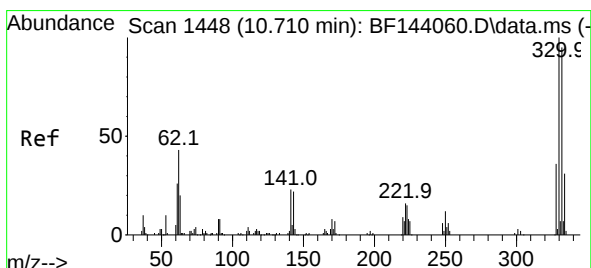
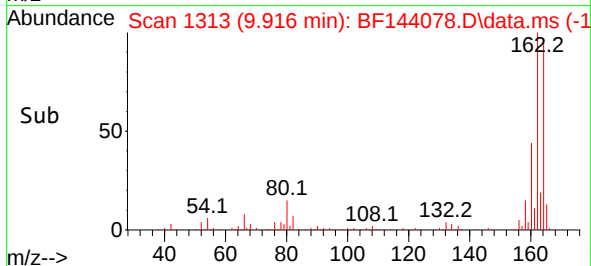
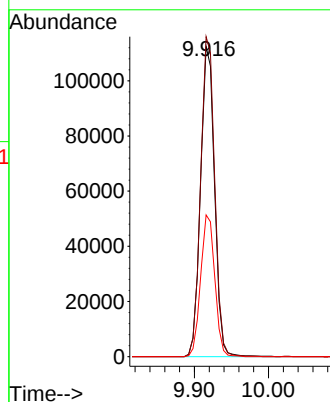
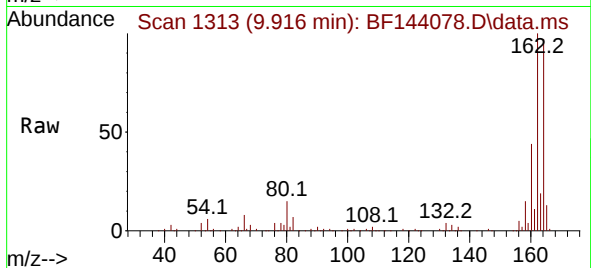
Tgt Ion:164 Resp: 147528

Ion Ratio Lower Upper

164 100

162 103.2 79.4 119.2

160 45.7 36.7 55.1



#42

2,4,6-Tribromophenol

Concen: 79.936 ng

RT: 10.710 min Scan# 1448

Delta R.T. 0.000 min

Lab File: BF144078.D

Acq: 27 Oct 2025 12:26

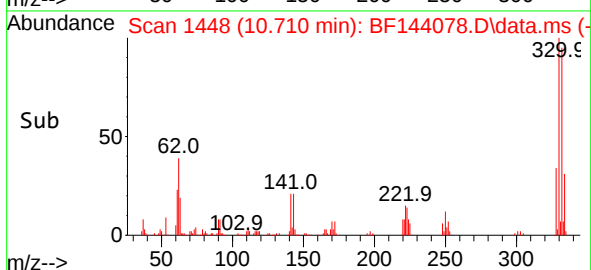
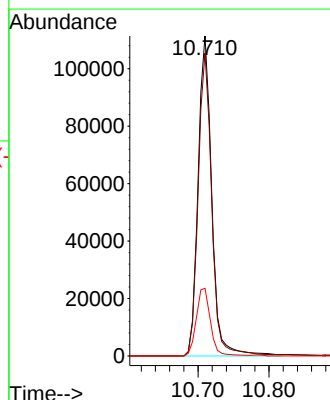
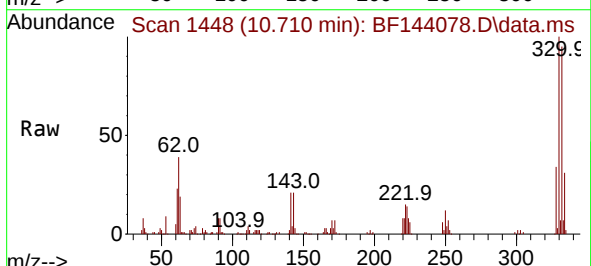
Tgt Ion:330 Resp: 150217

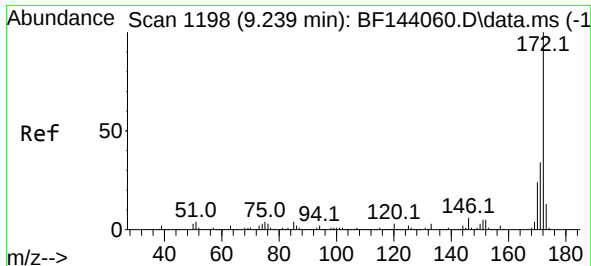
Ion Ratio Lower Upper

330 100

332 94.4 77.0 115.6

141 21.8 19.4 29.0

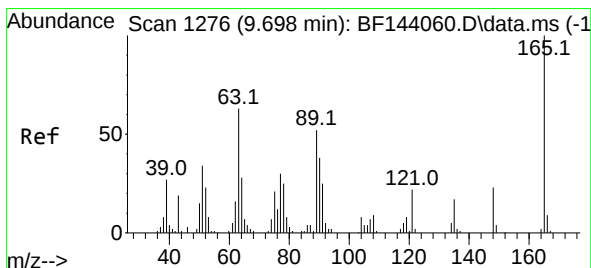
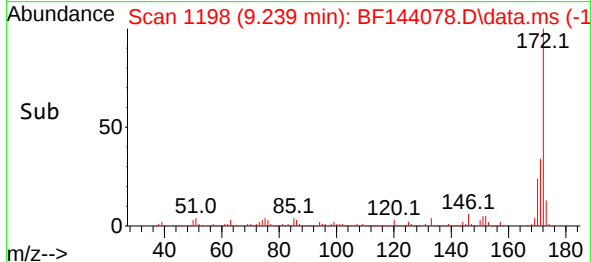
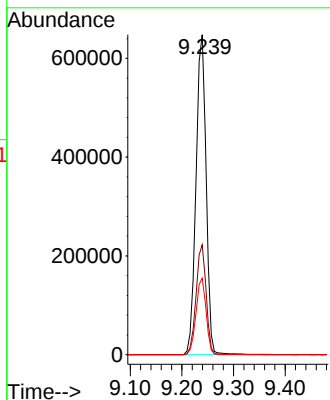
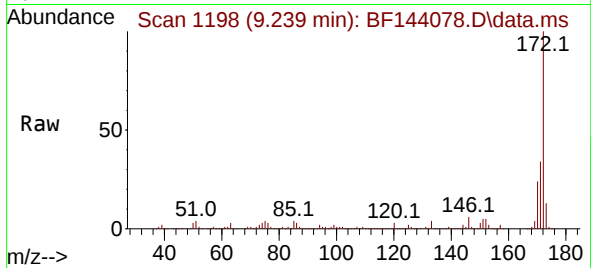




#45
2-Fluorobiphenyl
Concen: 84.344 ng
RT: 9.239 min Scan# 1198
Delta R.T. 0.000 min
Lab File: BF144078.D
Acq: 27 Oct 2025 12:26

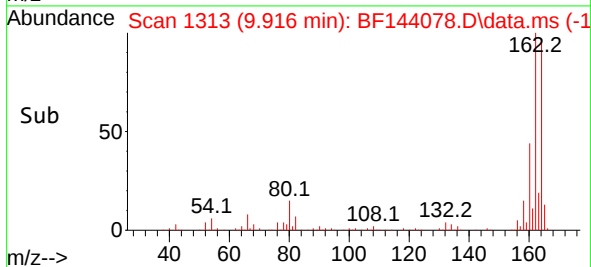
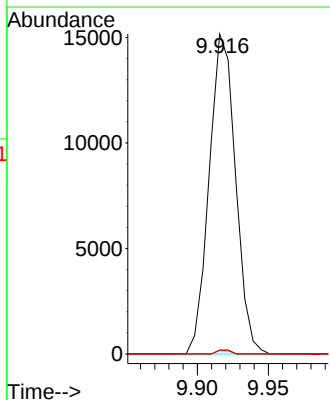
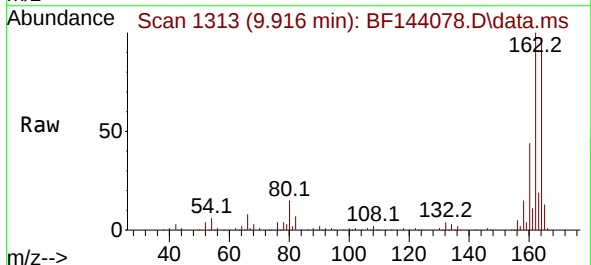
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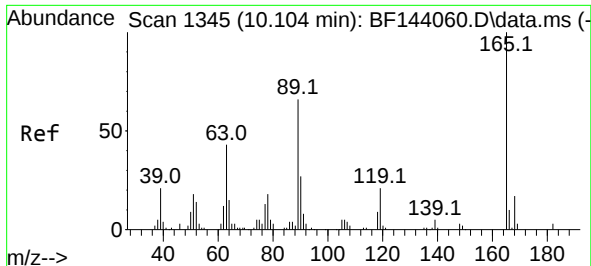
Tgt Ion:172 Resp: 884237
Ion Ratio Lower Upper
172 100
171 34.3 27.5 41.3
170 23.9 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 10.228 ng
RT: 9.916 min Scan# 1313
Delta R.T. 0.218 min
Lab File: BF144078.D
Acq: 27 Oct 2025 12:26

Tgt Ion:165 Resp: 19552
Ion Ratio Lower Upper
165 100
63 1.2 50.4 75.6#
89 1.1 41.4 62.2#

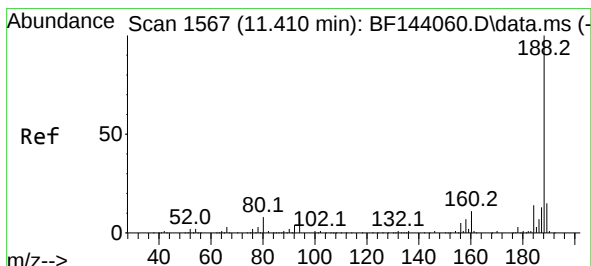
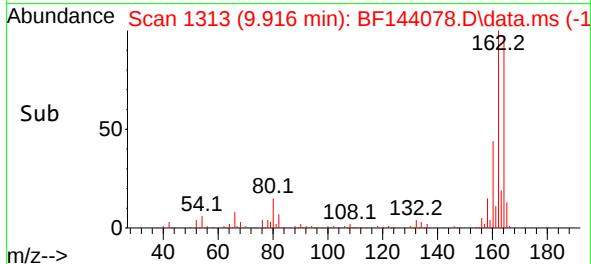
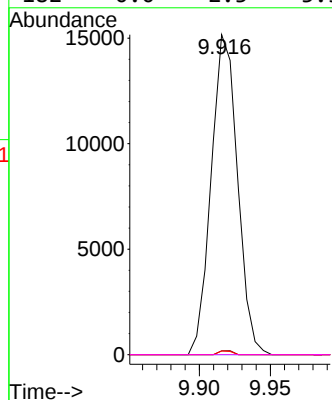
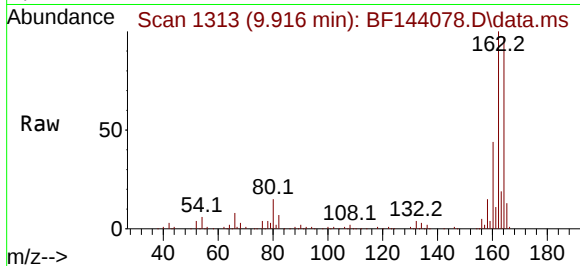




#57
2,4-Dinitrotoluene
Concen: 7.578 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF144078.D
Acq: 27 Oct 2025 12:26

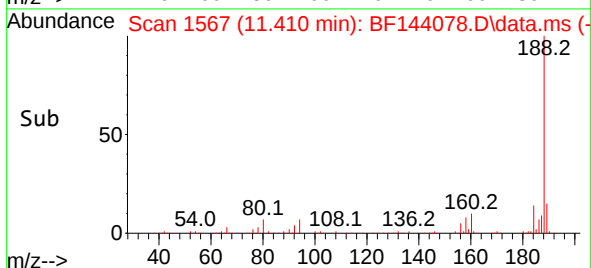
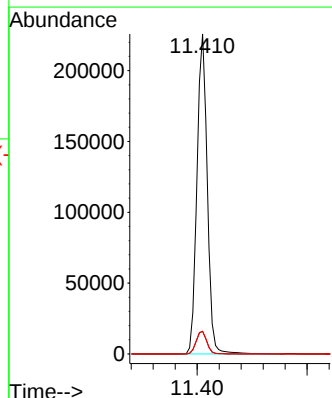
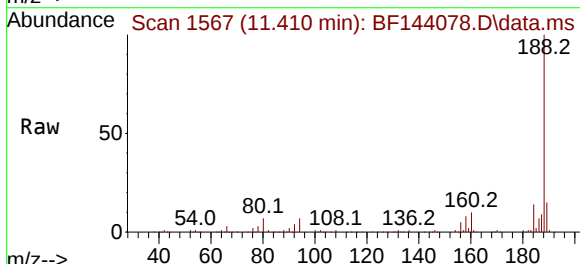
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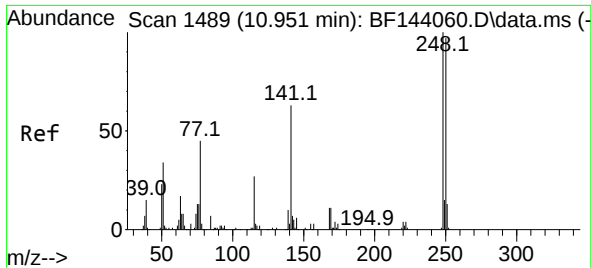
Tgt Ion:165 Resp: 19552
Ion Ratio Lower Upper
165 100
63 1.2 35.4 53.2#
89 1.1 52.7 79.1#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF144078.D
Acq: 27 Oct 2025 12:26

Tgt Ion:188 Resp: 293923
Ion Ratio Lower Upper
188 100
94 7.1 5.4 8.0
80 7.1 6.0 9.0

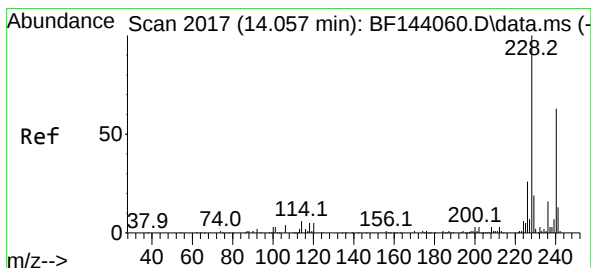
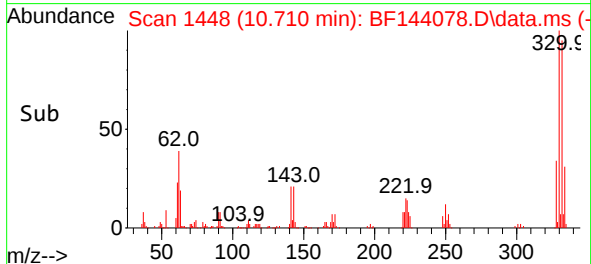
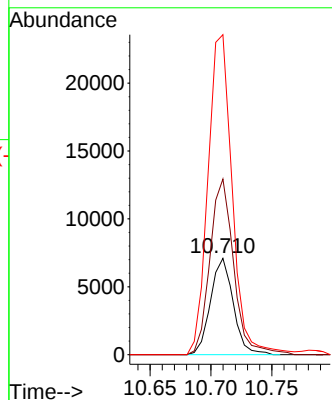
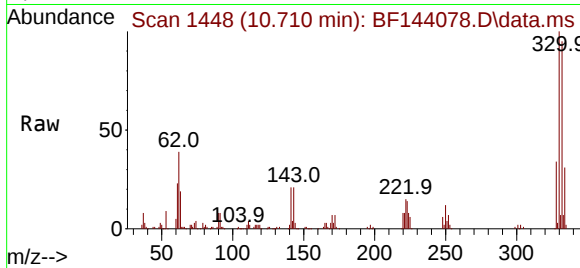




#67
4-Bromophenyl-phenylether
Concen: 2.515 ng
RT: 10.710 min Scan# 1489
Delta R.T. -0.241 min
Lab File: BF144078.D
Acq: 27 Oct 2025 12:26

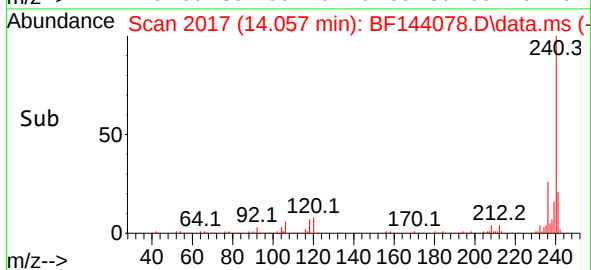
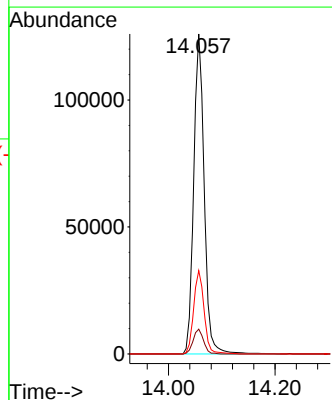
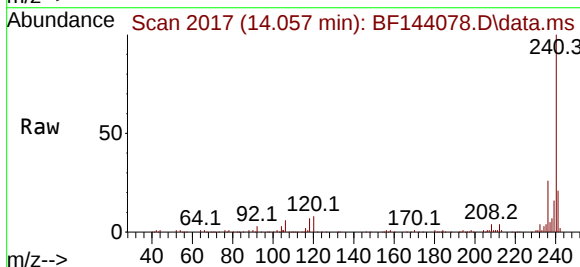
Instrument :
BNA_F
ClientSampleId :
PB170210BL

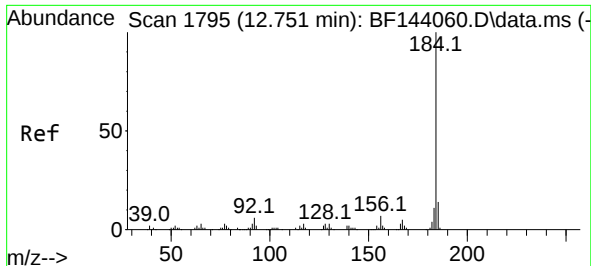
Tgt Ion:248 Resp: 9256
Ion Ratio Lower Upper
248 100
250 182.2 77.8 116.6#
141 332.0 50.5 75.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF144078.D
Acq: 27 Oct 2025 12:26

Tgt Ion:240 Resp: 172811
Ion Ratio Lower Upper
240 100
120 7.7 6.5 9.7
236 26.1 20.1 30.1

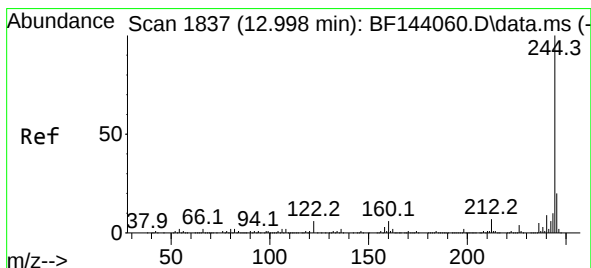
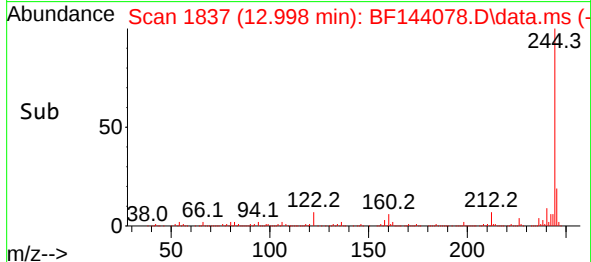
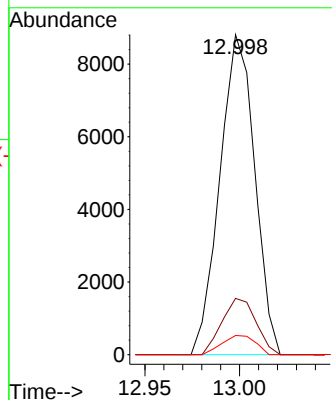
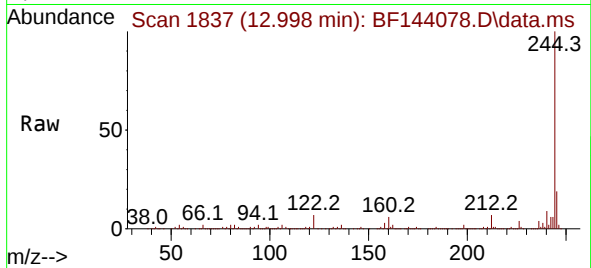




#77
Benzidine
Concen: 2.099 ng
RT: 12.998 min Scan# 1837
Delta R.T. 0.247 min
Lab File: BF144078.D
Acq: 27 Oct 2025 12:26

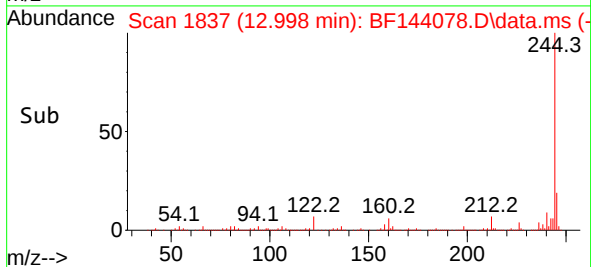
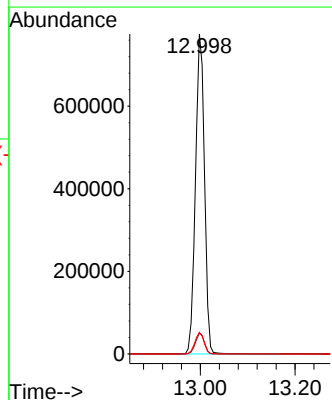
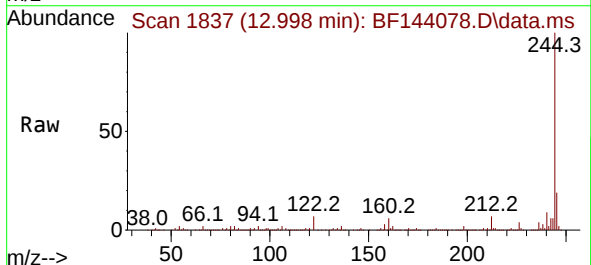
Instrument :
BNA_F
ClientSampleId :
PB170210BL

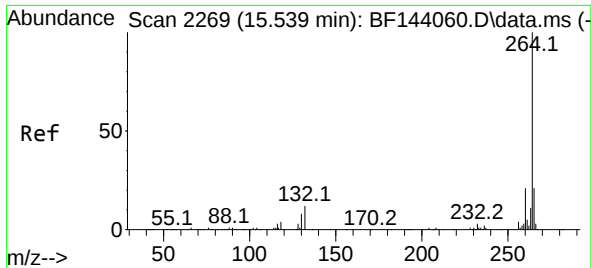
Tgt Ion:184 Resp: 11288
Ion Ratio Lower Upper
184 100
185 17.6 11.6 17.4#
183 6.0 8.5 12.7#



#79
Terphenyl-d14
Concen: 103.799 ng
RT: 12.998 min Scan# 1837
Delta R.T. 0.000 min
Lab File: BF144078.D
Acq: 27 Oct 2025 12:26

Tgt Ion:244 Resp: 1026051
Ion Ratio Lower Upper
244 100
212 6.5 5.8 8.6
122 6.8 4.9 7.3





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF144078.D
 Acq: 27 Oct 2025 12:26

Instrument :
 BNA_F
 ClientSampleId :
 PB170210BL

Tgt Ion:264 Resp: 183496
 Ion Ratio Lower Upper
 264 100
 260 22.1 17.0 25.4
 265 21.5 16.6 24.8

