

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102825\
 Data File : BF144098.D
 Acq On : 28 Oct 2025 13:47
 Operator : RC/JU
 Sample : PB170267BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB170267BL

Quant Time: Oct 28 14:28:16 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)

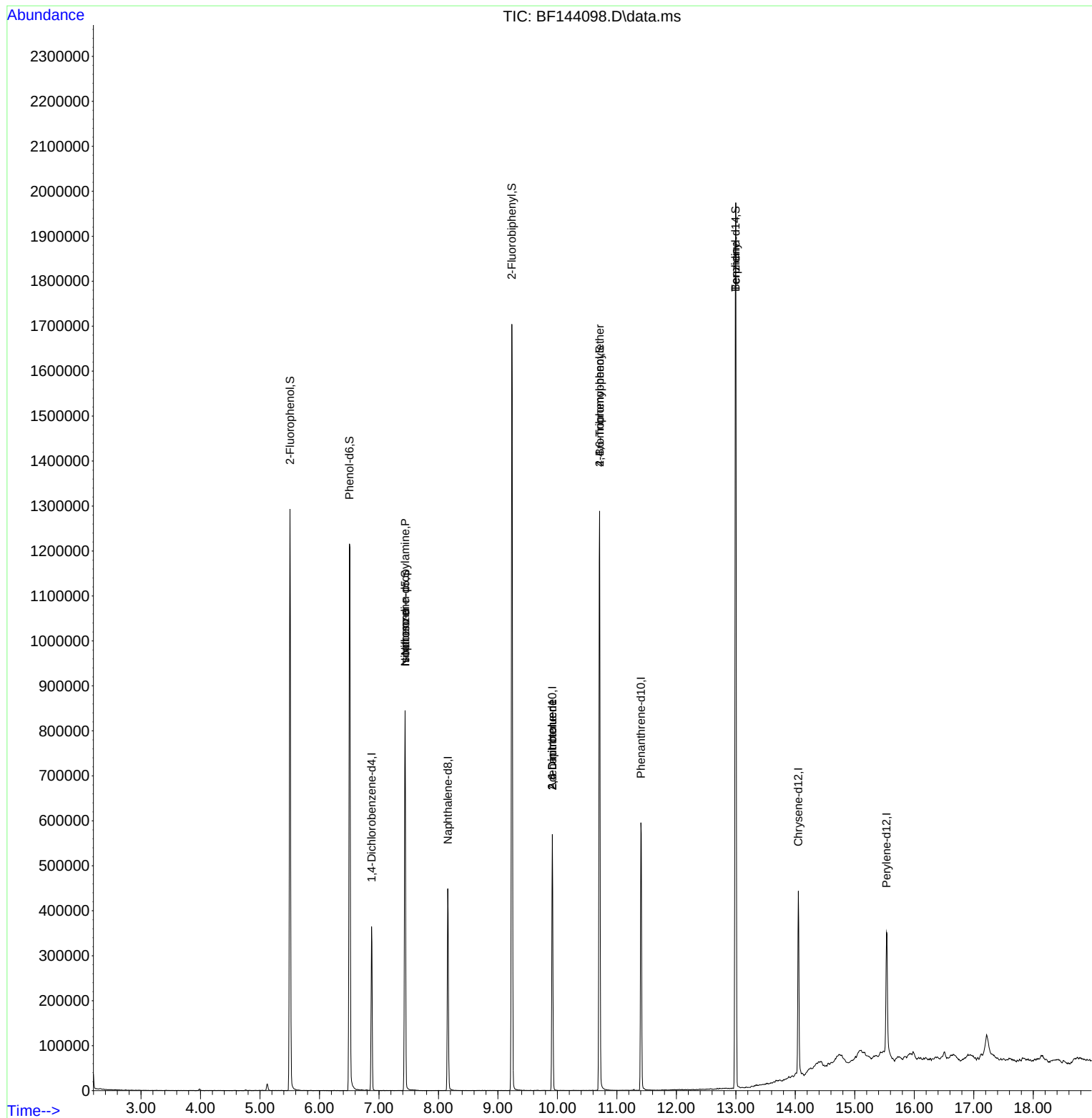
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	74235	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	292746	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	176104	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	344710	20.000	ng	0.00
76) Chrysene-d12	14.051	240	212971	20.000	ng	0.00
86) Perylene-d12	15.533	264	182134	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	469400	100.039	ng	0.01
7) Phenol-d6	6.504	99	545013	105.174	ng	0.00
23) Nitrobenzene-d5	7.439	82	363250	67.982	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	273621	121.977	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	819800	65.509	ng	0.00
79) Terphenyl-d14	12.998	244	1057072	86.772	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.439	70	54402	16.235	ng	# 72
25) Isophorone	7.439	82	363245	38.884	ng	# 66
51) 2,6-Dinitrotoluene	9.916	165	23295	10.208	ng	# 23
57) 2,4-Dinitrotoluene	9.916	165	23295	7.564	ng	# 25
67) 4-Bromophenyl-phenylether	10.710	248	14887	3.449	ng	# 1
77) Benzidine	12.998	184	13580	2.049	ng	96

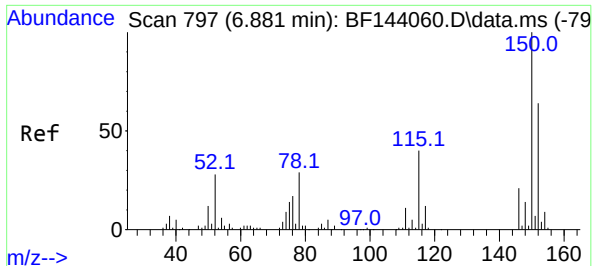
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BF144098.D
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BNA_F
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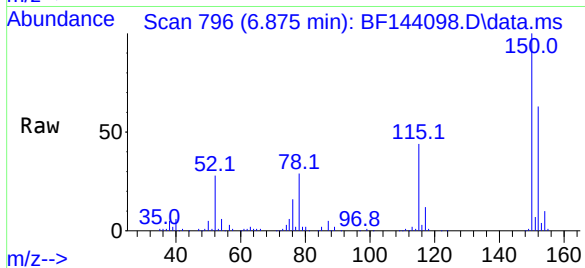
Quant Time: Oct 28 14:28:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration



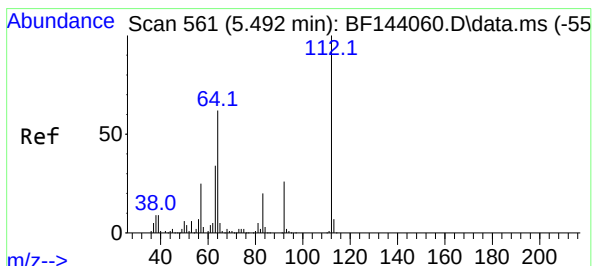
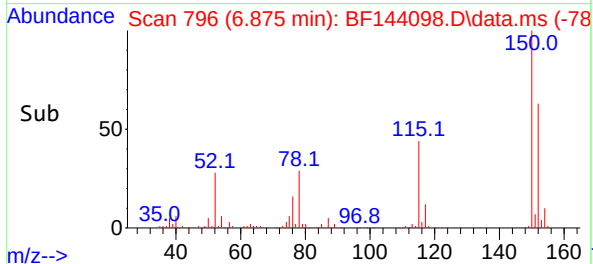
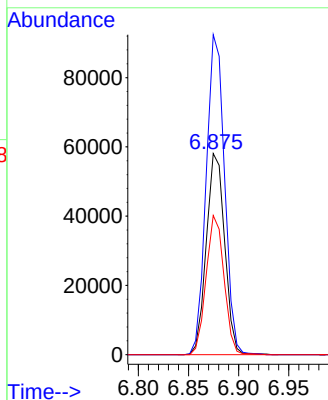


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF144098.D
Acq: 28 Oct 2025 13:47

Instrument :
BNA_F
ClientSampleId :
PB170267BL

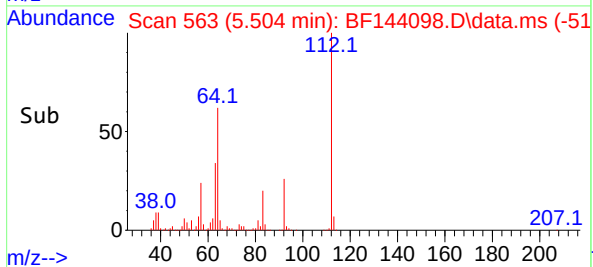
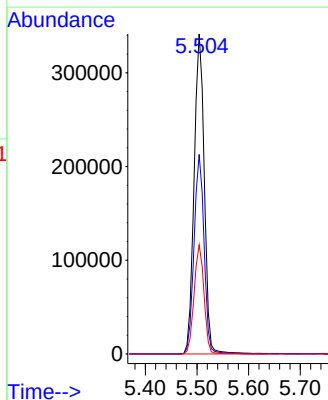
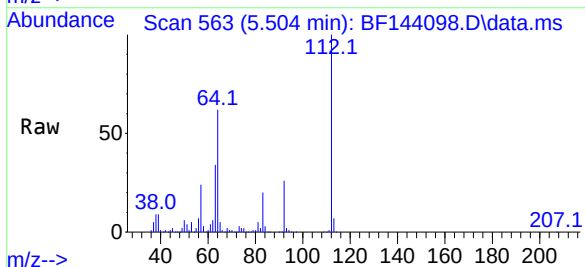


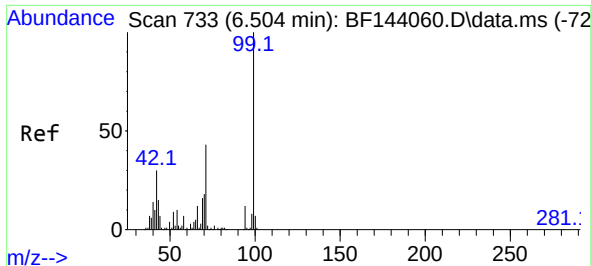
Tgt Ion:152 Resp: 74235
Ion Ratio Lower Upper
152 100
150 159.1 124.4 186.6
115 69.2 49.4 74.0



#5
2-Fluorophenol
Concen: 100.039 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF144098.D
Acq: 28 Oct 2025 13:47

Tgt Ion:112 Resp: 469400
Ion Ratio Lower Upper
112 100
64 62.4 49.8 74.8
63 34.1 27.4 41.2

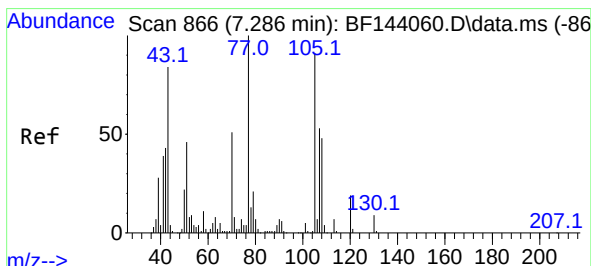
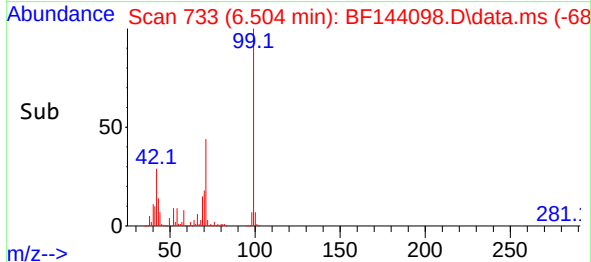
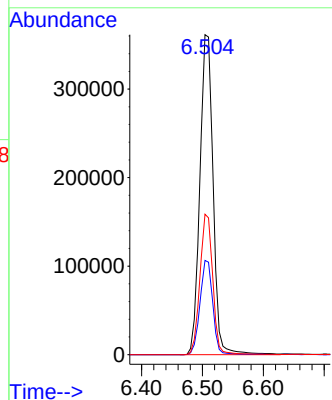
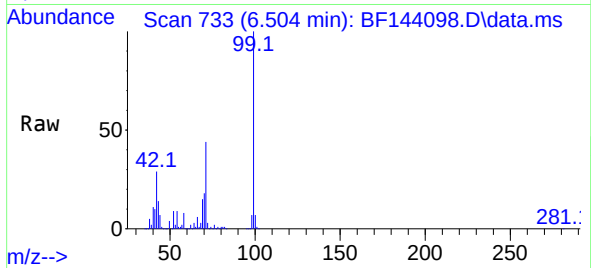




#7
Phenol-d6
Concen: 105.174 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF144098.D
Acq: 28 Oct 2025 13:47

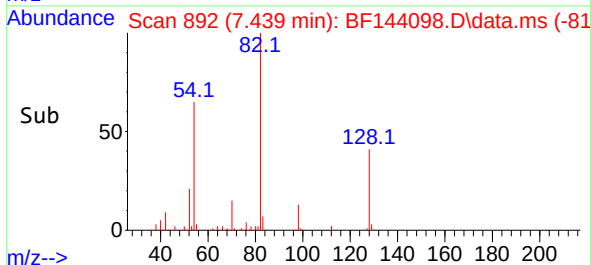
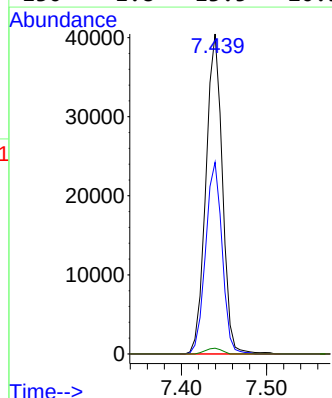
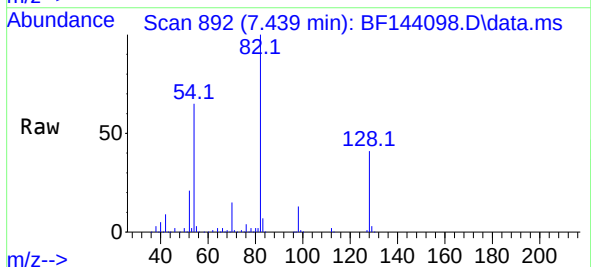
Instrument :
BNA_F
ClientSampleId :
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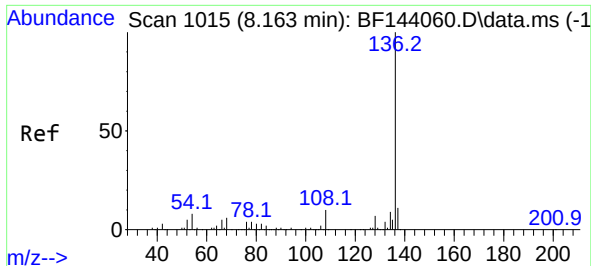
Tgt Ion: 99 Resp: 545013
Ion Ratio Lower Upper
99 100
42 29.5 23.9 35.9
71 43.9 34.4 51.6



#19
n-Nitroso-di-n-propylamine
Concen: 16.235 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.153 min
Lab File: BF144098.D
Acq: 28 Oct 2025 13:47

Tgt Ion: 70 Resp: 54402
Ion Ratio Lower Upper
70 100
42 59.9 67.4 101.0#
101 0.0 7.1 10.7#
130 1.8 13.5 20.3#

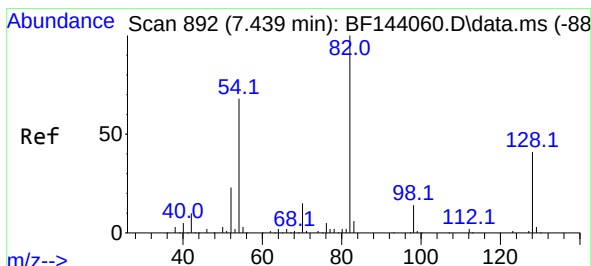
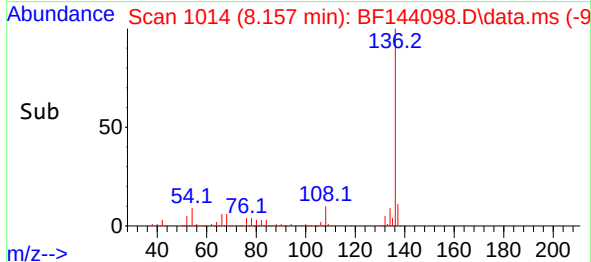
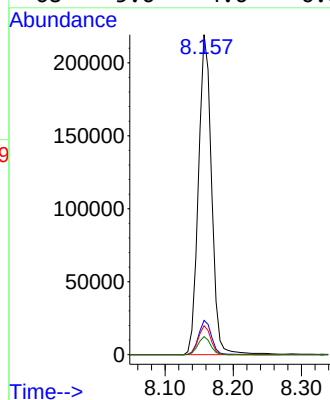
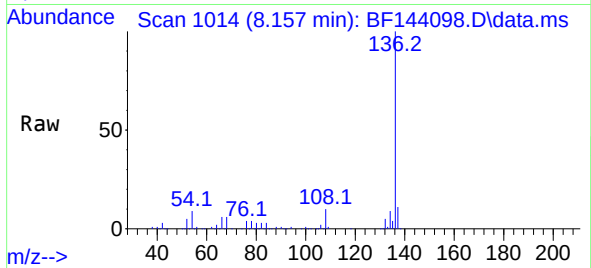




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF144098.D
Acq: 28 Oct 2025 13:47

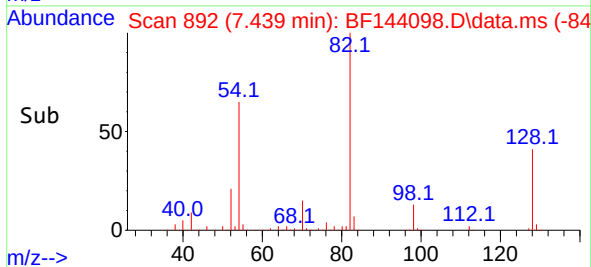
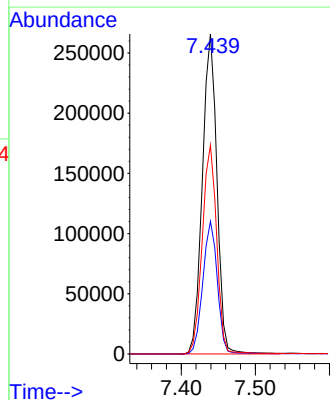
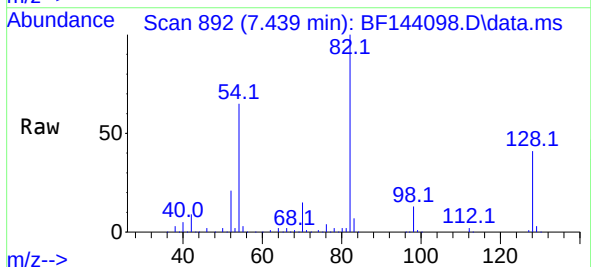
Instrument :
BNA_F
ClientSampleId :
PB170267BL

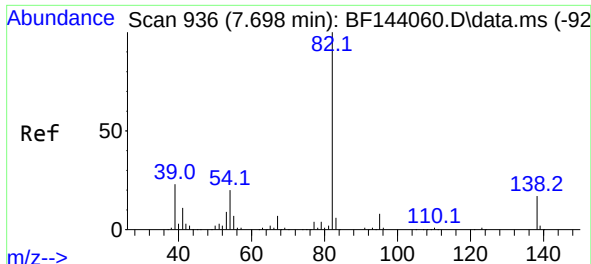
Tgt Ion:136 Resp: 292746
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 9.0 6.6 9.8
68 5.6 4.6 6.8



#23
Nitrobenzene-d5
Concen: 67.982 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.000 min
Lab File: BF144098.D
Acq: 28 Oct 2025 13:47

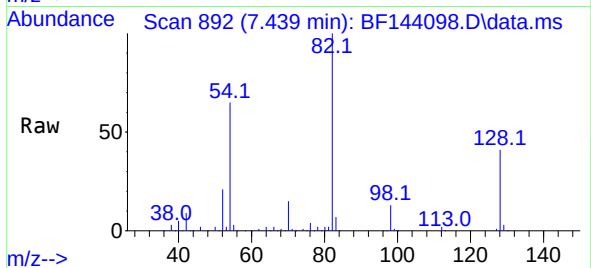
Tgt Ion: 82 Resp: 363250
Ion Ratio Lower Upper
82 100
128 41.5 32.4 48.6
54 65.3 54.0 81.0



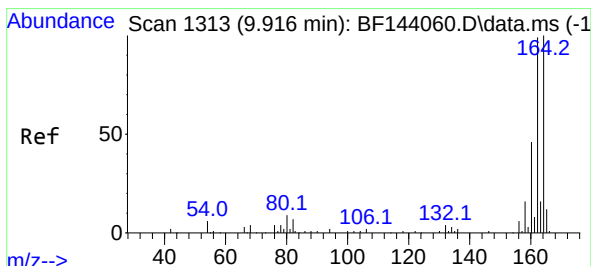
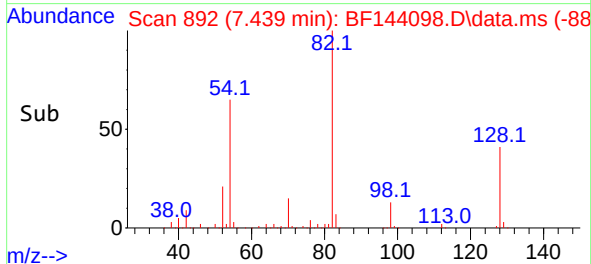
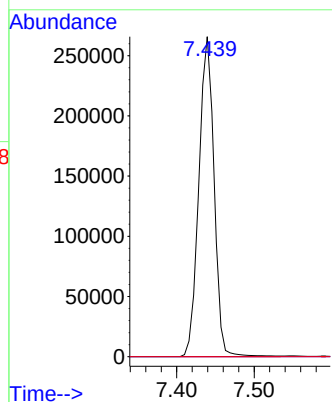


#25
Isophorone
Concen: 38.884 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.259 min
Lab File: BF144098.D
Acq: 28 Oct 2025 13:47

Instrument :
BNA_F
ClientSampleId :
PB170267BL

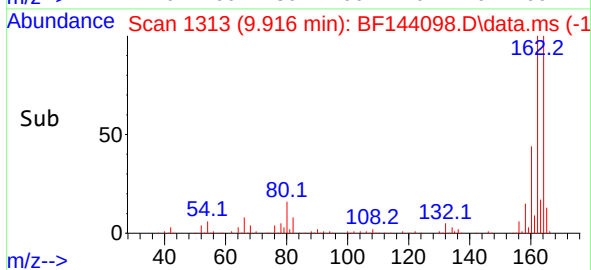
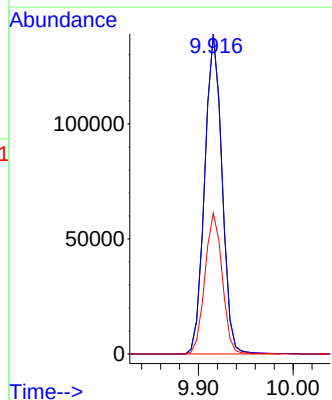
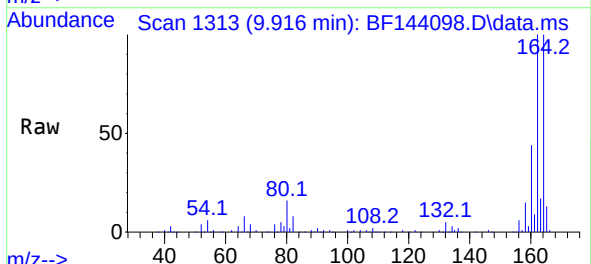


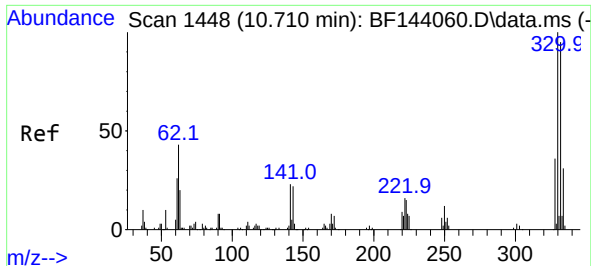
Tgt Ion: 82 Resp: 363245
Ion Ratio Lower Upper
82 100
95 0.0 6.6 9.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.000 min
Lab File: BF144098.D
Acq: 28 Oct 2025 13:47

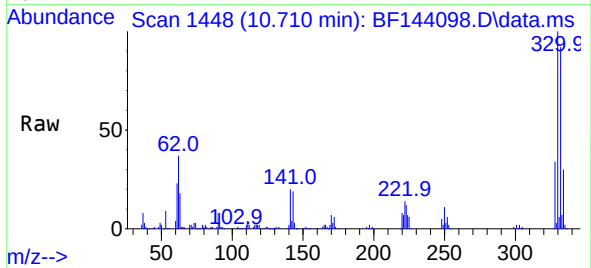
Tgt Ion:164 Resp: 176104
Ion Ratio Lower Upper
164 100
162 100.1 79.4 119.2
160 44.2 36.7 55.1



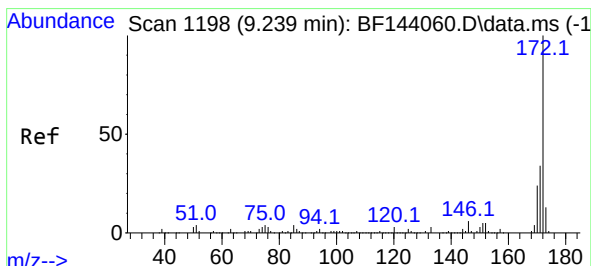
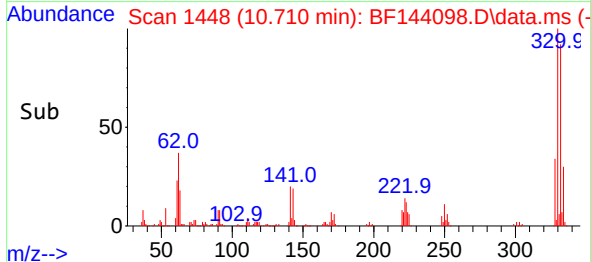
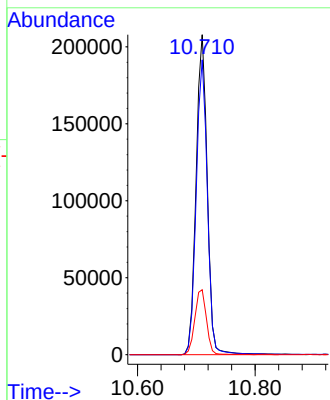


#42
2,4,6-Tribromophenol
Concen: 121.977 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.000 min
Lab File: BF144098.D
Acq: 28 Oct 2025 13:47

Instrument :
BNA_F
ClientSampleId :
PB170267BL

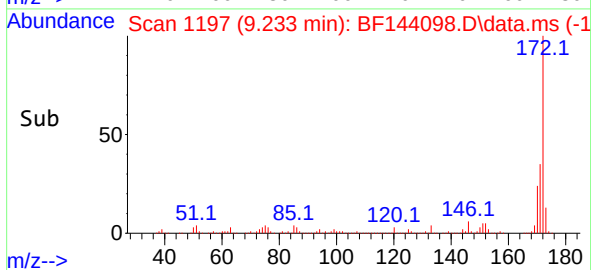
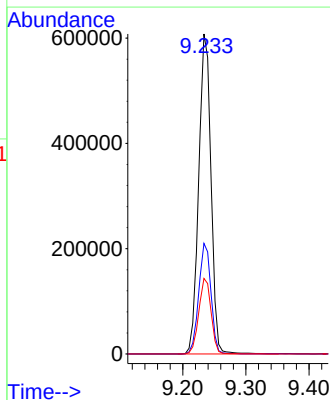
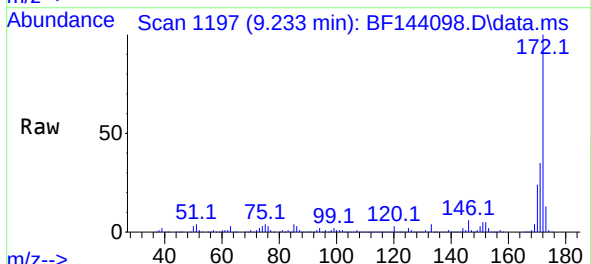


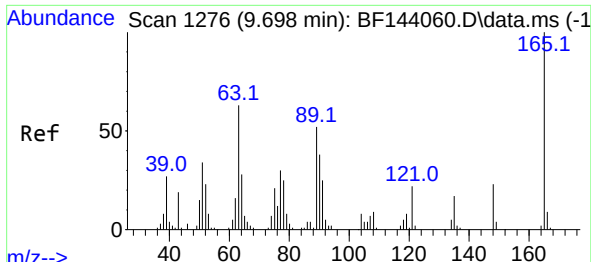
Tgt Ion:330 Resp: 273621
Ion Ratio Lower Upper
330 100
332 92.6 77.0 115.6
141 21.1 19.4 29.0



#45
2-Fluorobiphenyl
Concen: 65.509 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF144098.D
Acq: 28 Oct 2025 13:47

Tgt Ion:172 Resp: 819800
Ion Ratio Lower Upper
172 100
171 34.6 27.5 41.3
170 23.6 19.0 28.6

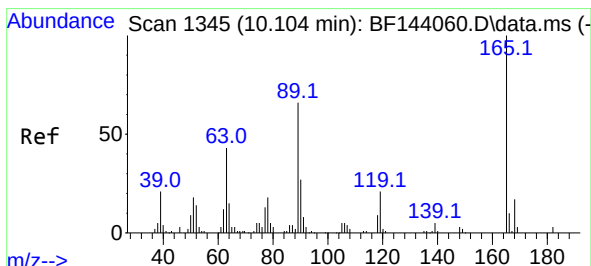
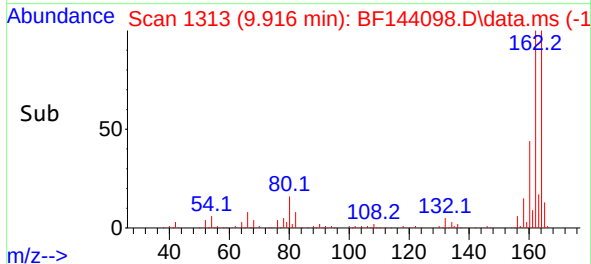
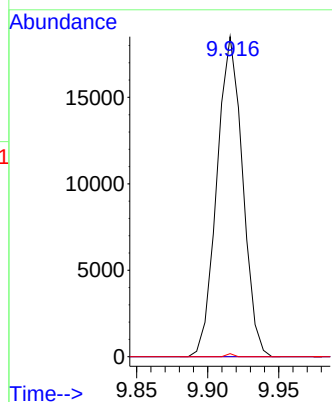
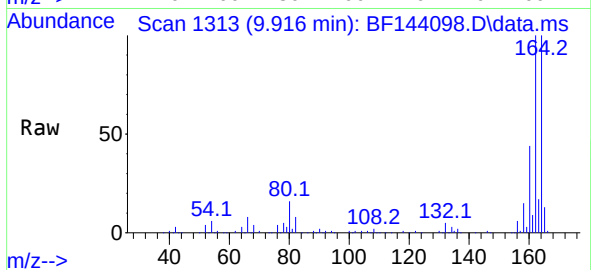




#51
2,6-Dinitrotoluene
Concen: 10.208 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF144098.D
Acq: 28 Oct 2025 13:47

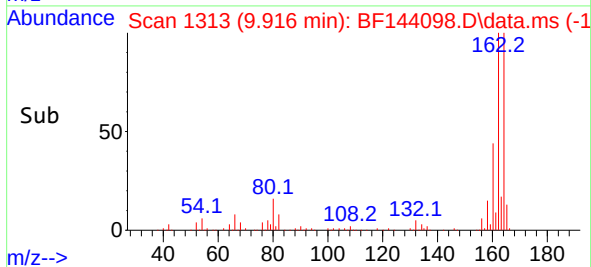
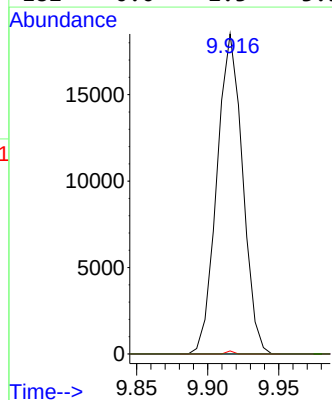
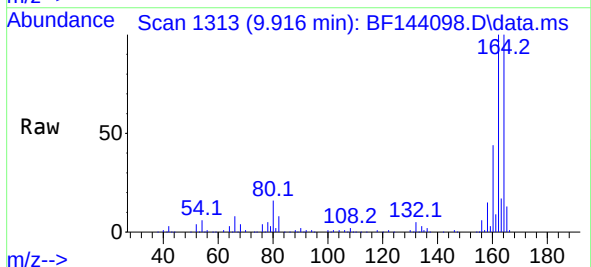
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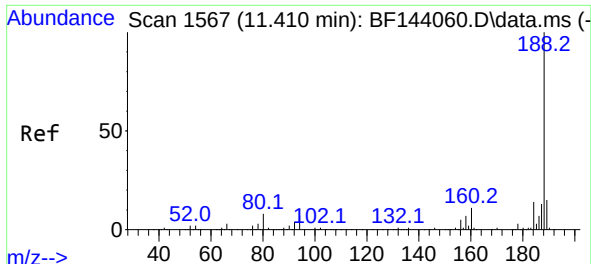
Tgt Ion:165 Resp: 23295
Ion Ratio Lower Upper
165 100
63 0.0 50.4 75.6#
89 0.9 41.4 62.2#



#57
2,4-Dinitrotoluene
Concen: 7.564 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.188 min
Lab File: BF144098.D
Acq: 28 Oct 2025 13:47

Tgt Ion:165 Resp: 23295
Ion Ratio Lower Upper
165 100
63 0.0 35.4 53.2#
89 0.9 52.7 79.1#
182 0.0 2.3 3.5#

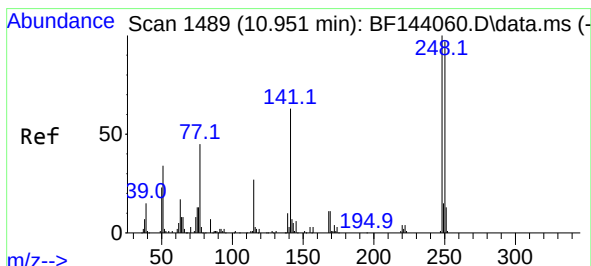
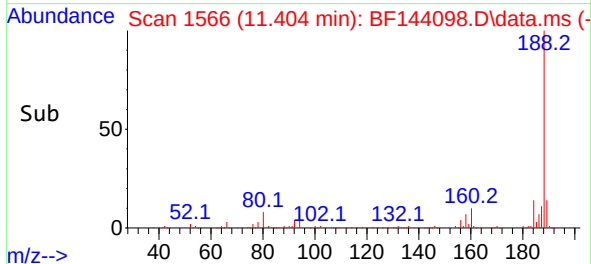
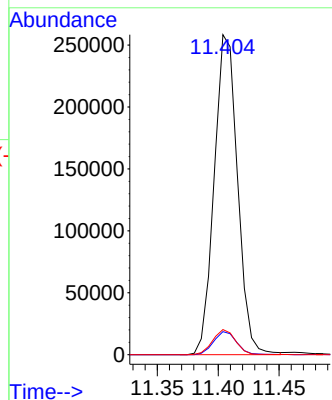
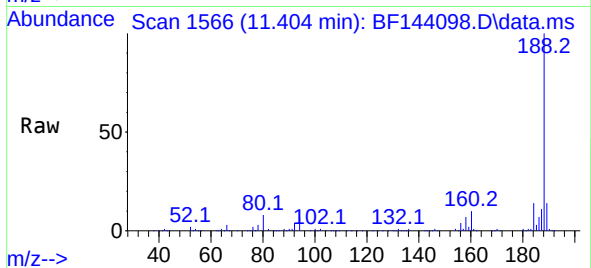




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144098.D
Acq: 28 Oct 2025 13:47

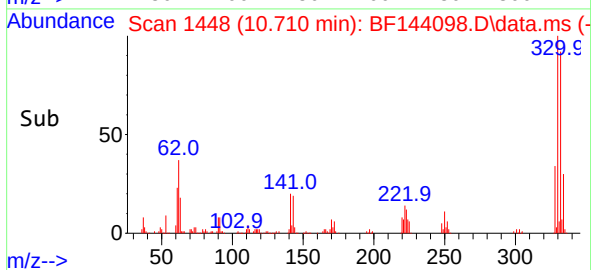
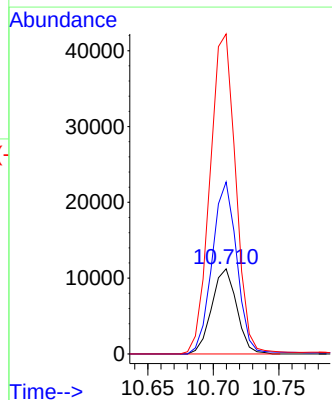
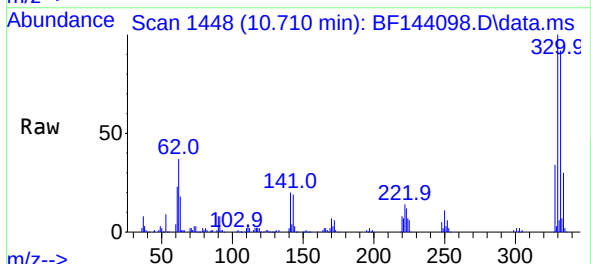
Instrument :
BNA_F
ClientSampleId :
PB170267BL

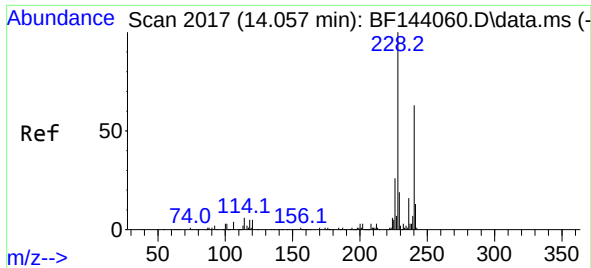
Tgt Ion:188 Resp: 344710
Ion Ratio Lower Upper
188 100
94 7.2 5.4 8.0
80 7.9 6.0 9.0



#67
4-Bromophenyl-phenylether
Concen: 3.449 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.241 min
Lab File: BF144098.D
Acq: 28 Oct 2025 13:47

Tgt Ion:248 Resp: 14887
Ion Ratio Lower Upper
248 100
250 202.0 77.8 116.6#
141 375.6 50.5 75.7#

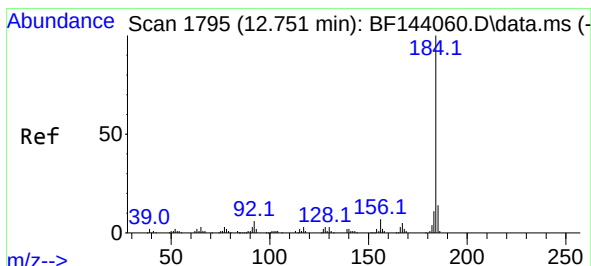
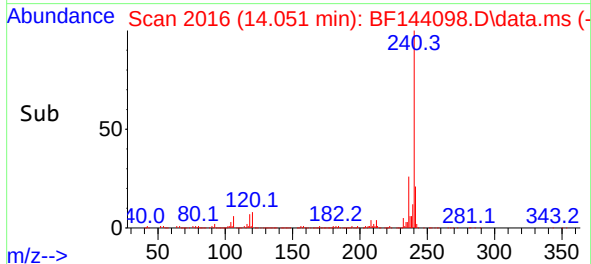
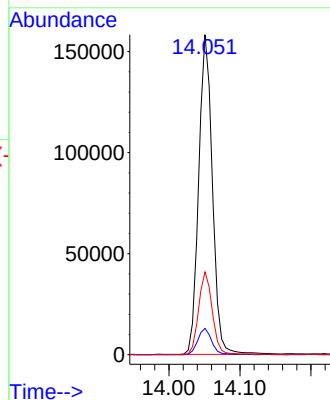
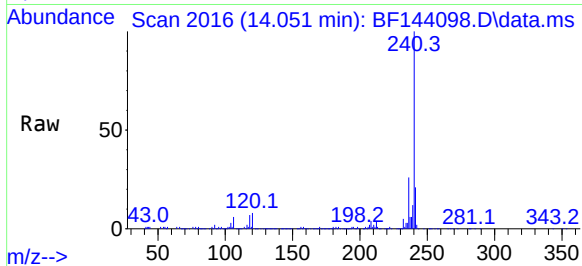




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF144098.D
Acq: 28 Oct 2025 13:47

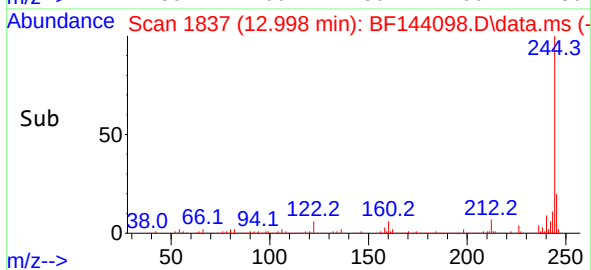
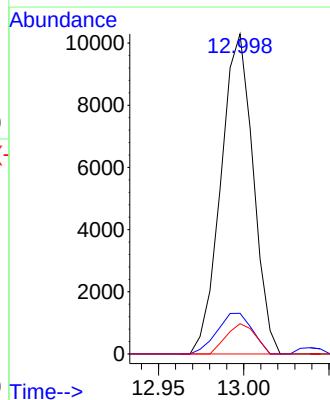
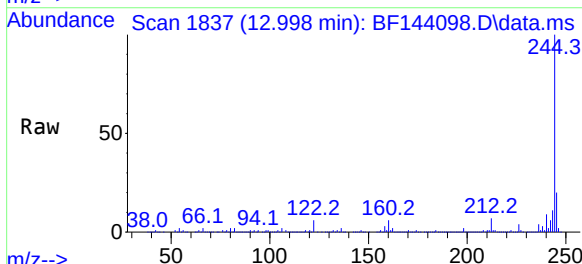
Instrument :
BNA_F
ClientSampleId :
PB170267BL

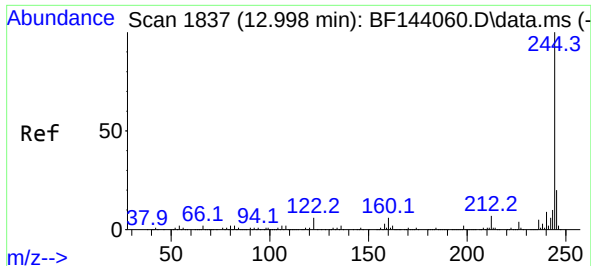
Tgt Ion:240 Resp: 212971
Ion Ratio Lower Upper
240 100
120 8.2 6.5 9.7
236 25.8 20.1 30.1



#77
Benzidine
Concen: 2.049 ng
RT: 12.998 min Scan# 1837
Delta R.T. 0.247 min
Lab File: BF144098.D
Acq: 28 Oct 2025 13:47

Tgt Ion:184 Resp: 13580
Ion Ratio Lower Upper
184 100
185 12.7 11.6 17.4
183 9.4 8.5 12.7

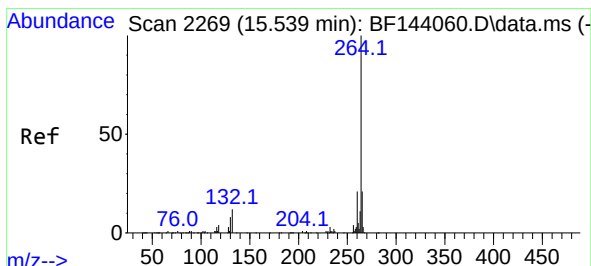
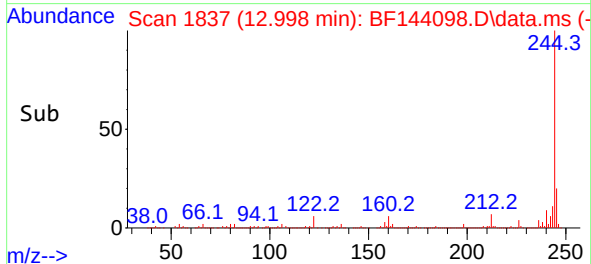
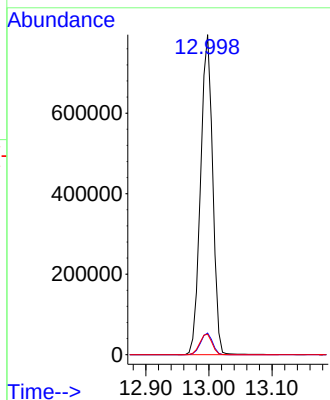
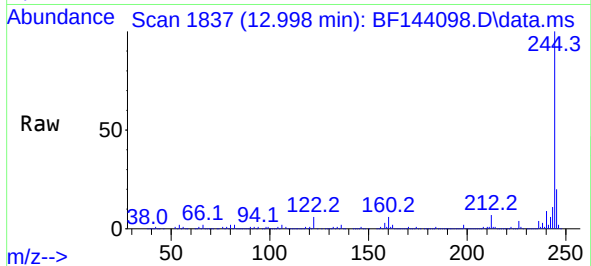




#79
Terphenyl-d14
Concen: 86.772 ng
RT: 12.998 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144098.D
Acq: 28 Oct 2025 13:47

Instrument :
BNA_F
ClientSampleId :
PB170267BL

Tgt Ion:244 Resp: 1057072
Ion Ratio Lower Upper
244 100
212 6.7 5.8 8.6
122 6.4 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: BF144098.D
Acq: 28 Oct 2025 13:47

Tgt Ion:264 Resp: 182134
Ion Ratio Lower Upper
264 100
260 22.7 17.0 25.4
265 22.7 16.6 24.8

