

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102325\
 Data File : BF144053.D
 Acq On : 23 Oct 2025 13:26
 Operator : RC/JU
 Sample : PB170222BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB170222BL

Quant Time: Oct 23 13:47:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

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

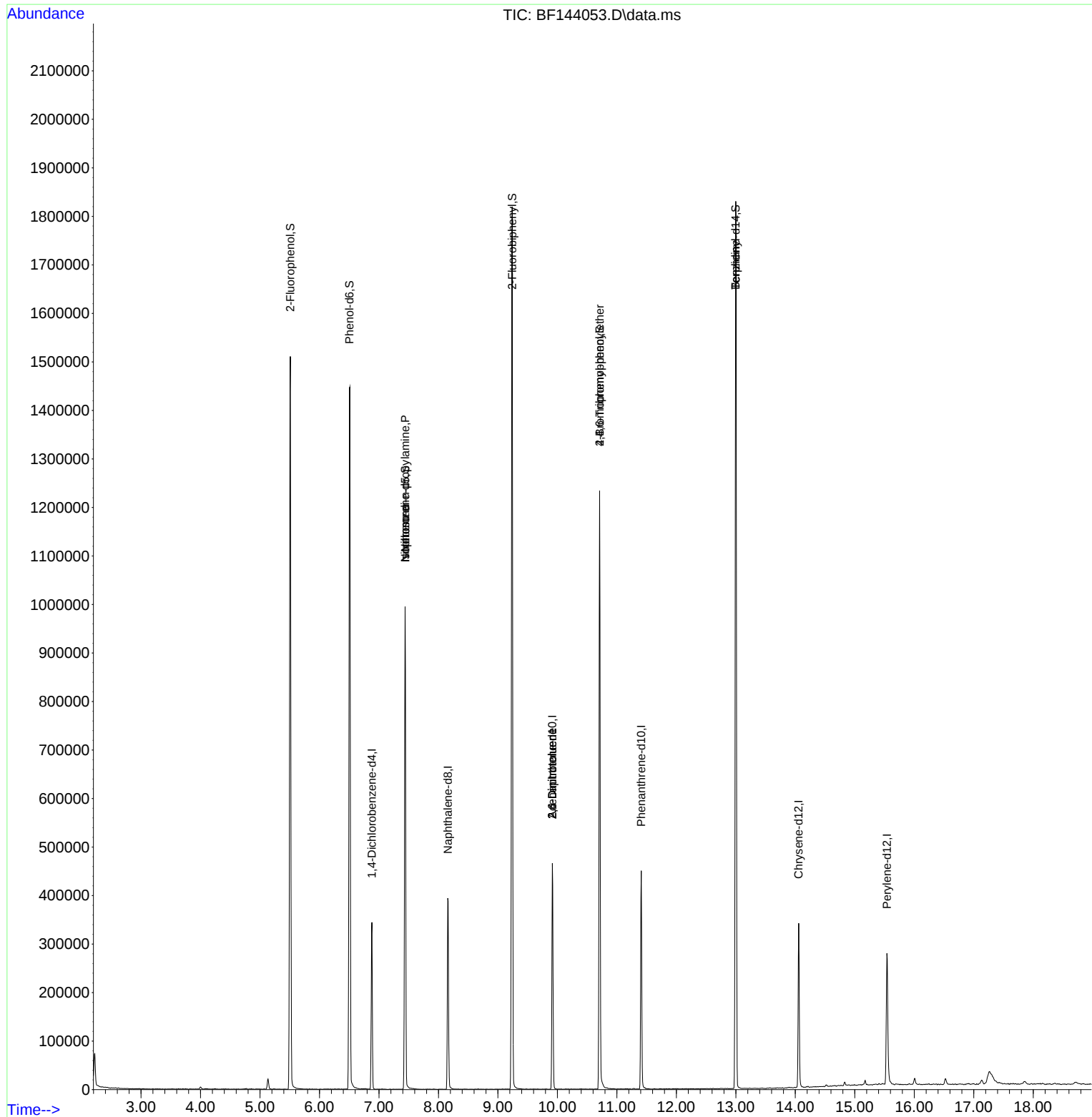
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	70883	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	267443	20.000	ng	#-0.01
39) Acenaphthene-d10	9.916	164	147468	20.000	ng	-0.01
64) Phenanthrene-d10	11.410	188	252834	20.000	ng	# 0.00
76) Chrysene-d12	14.057	240	182994	20.000	ng	#-0.01
86) Perylene-d12	15.539	264	197984	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	570360	127.777	ng	0.01
7) Phenol-d6	6.504	99	635085	119.365	ng	-0.01
23) Nitrobenzene-d5	7.439	82	423468	96.199	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	242297	164.961	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	887800	95.526	ng	-0.01
79) Terphenyl-d14	12.998	244	986693	92.152	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	66124	18.156	ng	# 80
25) Isophorone	7.439	82	398393	42.922	ng	# 68
51) 2,6-Dinitrotoluene	9.916	165	17985	10.357	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	17985	7.612	ng	# 26
67) 4-Bromophenyl-phenylether	10.710	248	14052	5.029	ng	# 1
77) Benzydine	12.998	184	13429	2.113	ng	# 94

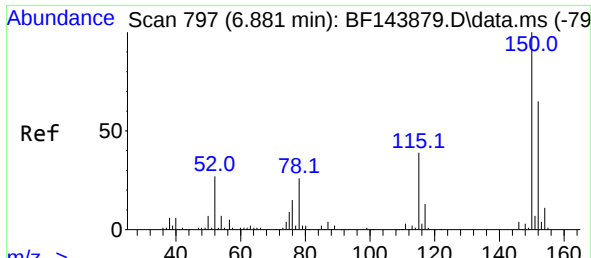
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102325\
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ALS Vial : 3 Sample Multiplier: 1

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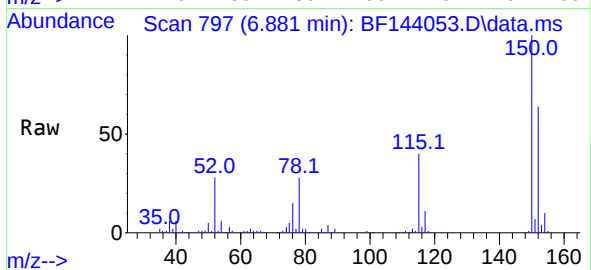
Quant Time: Oct 23 13:47:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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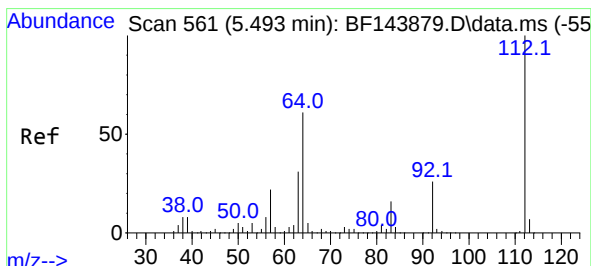
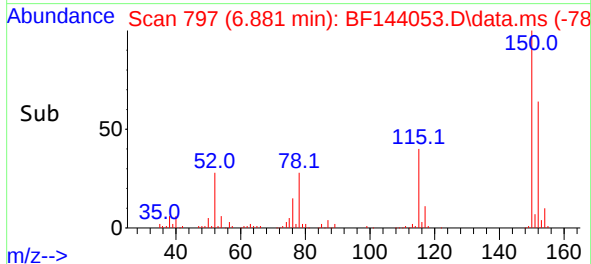
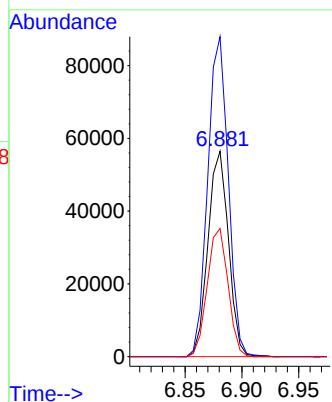


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF144053.D
Acq: 23 Oct 2025 13:26

Instrument :
BNA_F
ClientSampleId :
PB170222BL

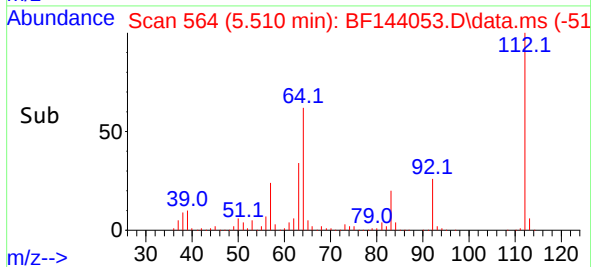
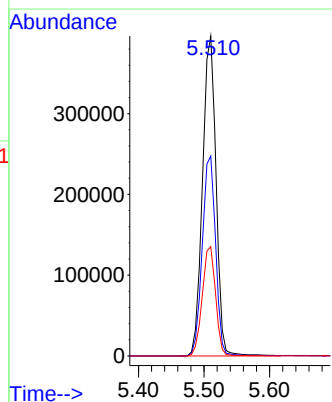
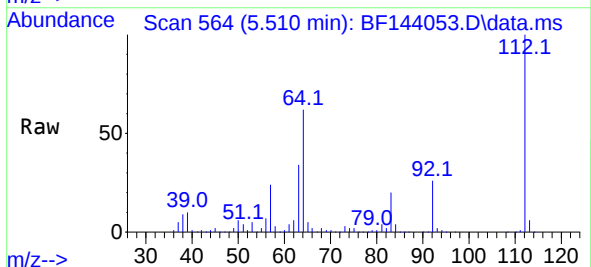


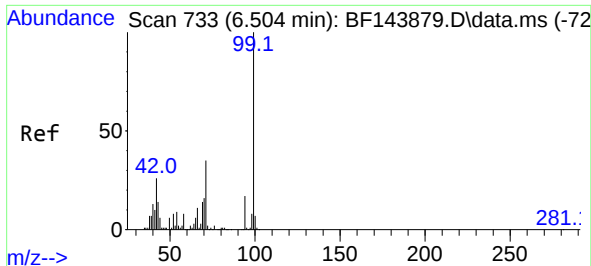
Tgt Ion:152 Resp: 70883
Ion Ratio Lower Upper
152 100
150 155.7 124.4 186.6
115 62.4 48.1 72.1



#5
2-Fluorophenol
Concen: 127.777 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.012 min
Lab File: BF144053.D
Acq: 23 Oct 2025 13:26

Tgt Ion:112 Resp: 570360
Ion Ratio Lower Upper
112 100
64 62.5 49.1 73.7
63 34.2 24.5 36.7

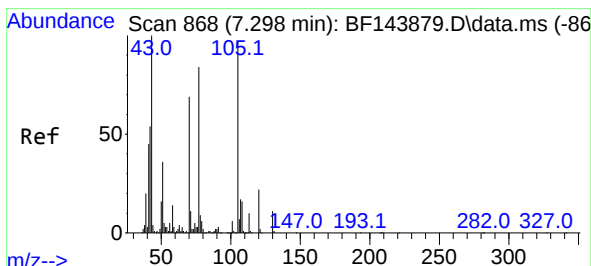
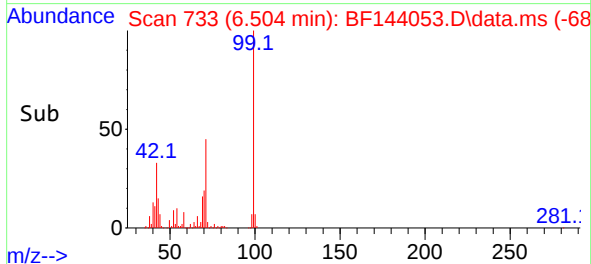
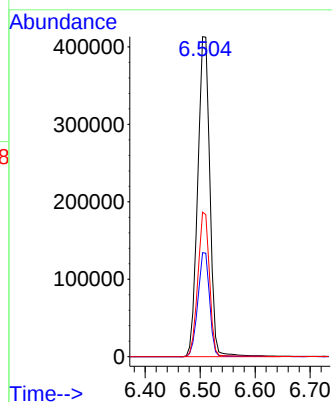
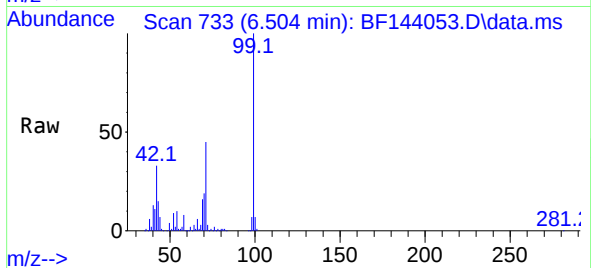




#7
Phenol-d6
Concen: 119.365 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF144053.D
Acq: 23 Oct 2025 13:26

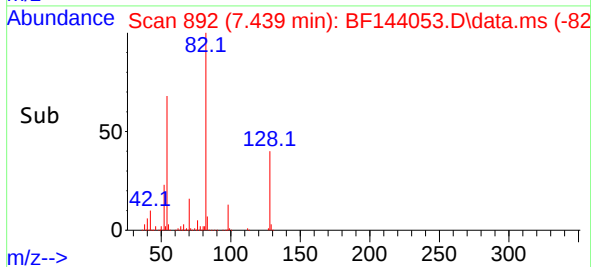
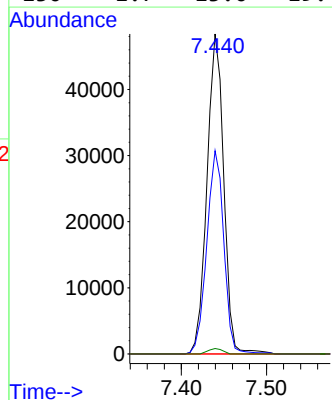
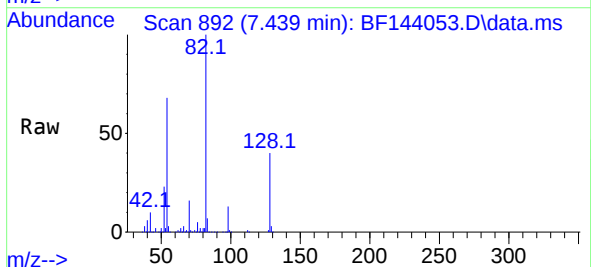
Instrument :
BNA_F
ClientSampleId :
PB170222BL

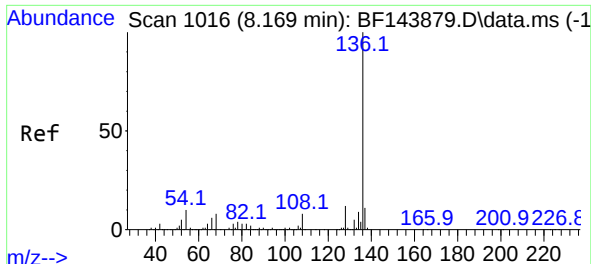
Tgt Ion: 99 Resp: 635085
Ion Ratio Lower Upper
99 100
42 32.5 21.0 31.4#
71 45.2 27.8 41.8#



#19
n-Nitroso-di-n-propylamine
Concen: 18.156 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.124 min
Lab File: BF144053.D
Acq: 23 Oct 2025 13:26

Tgt Ion: 70 Resp: 66124
Ion Ratio Lower Upper
70 100
42 63.5 62.8 94.2
101 0.0 6.7 10.1#
130 1.7 13.0 19.4#

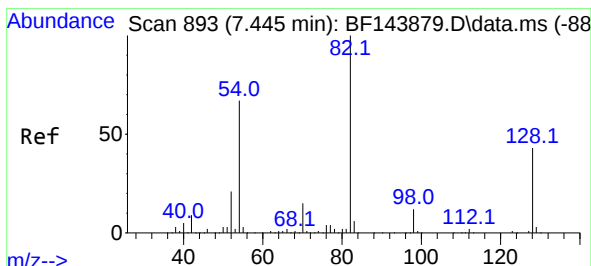
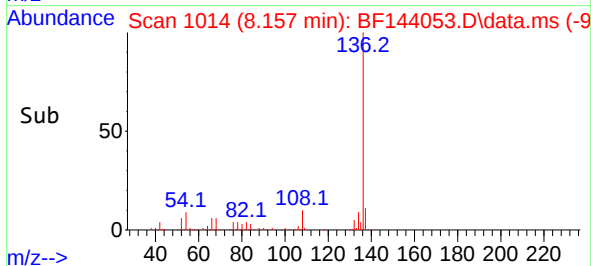
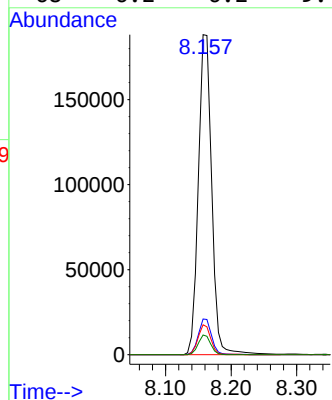
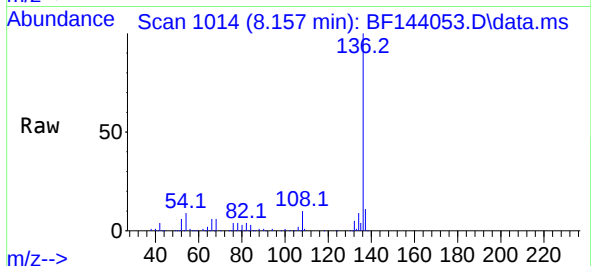




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF144053.D
Acq: 23 Oct 2025 13:26

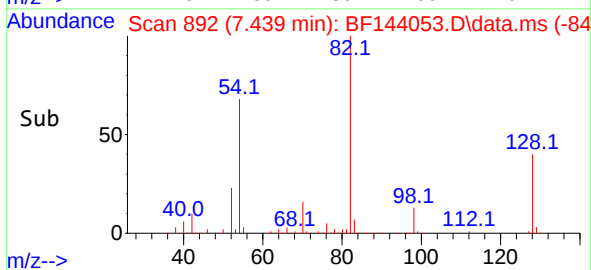
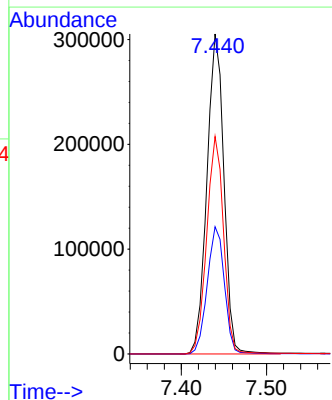
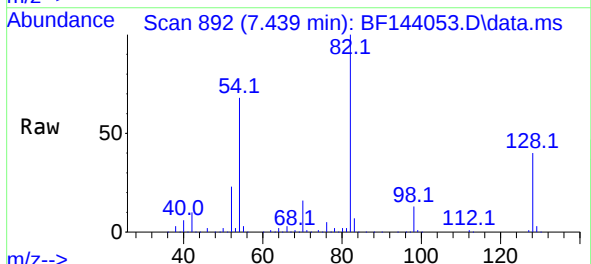
Instrument :
BNA_F
ClientSampleId :
PB170222BL

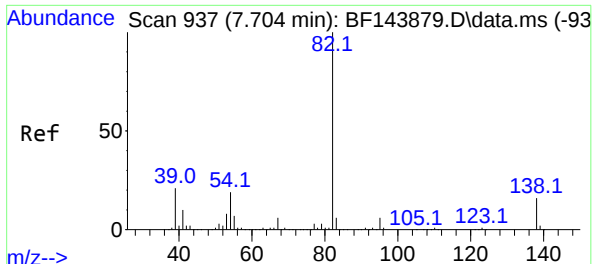
Tgt Ion:136 Resp: 267443
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 9.4 8.2 12.4
68 6.2 6.2 9.4#



#23
Nitrobenzene-d5
Concen: 96.199 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.018 min
Lab File: BF144053.D
Acq: 23 Oct 2025 13:26

Tgt Ion: 82 Resp: 423468
Ion Ratio Lower Upper
82 100
128 39.8 34.0 51.0
54 68.0 53.2 79.8

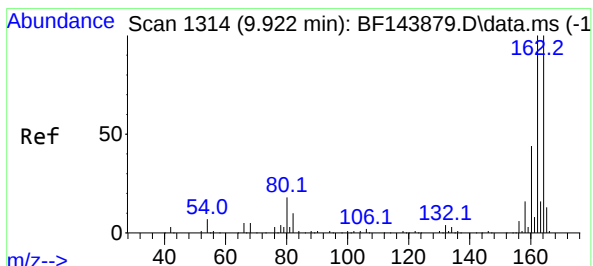
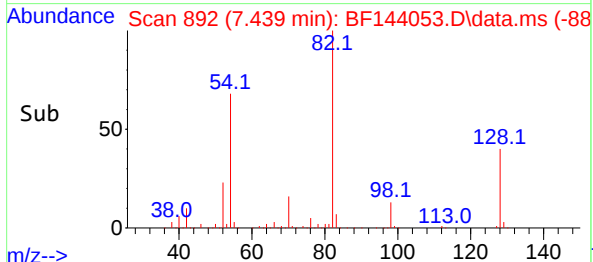
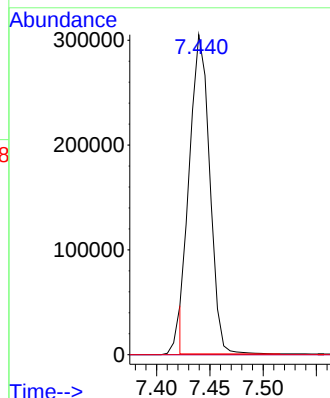
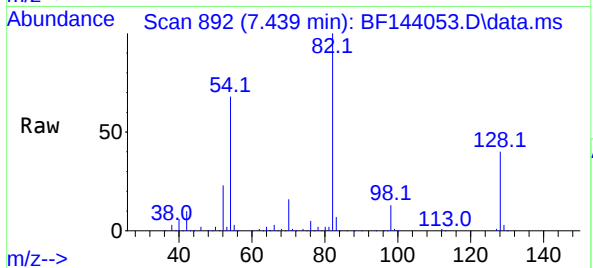




#25
Isophorone
Concen: 42.922 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.282 min
Lab File: BF144053.D
Acq: 23 Oct 2025 13:26

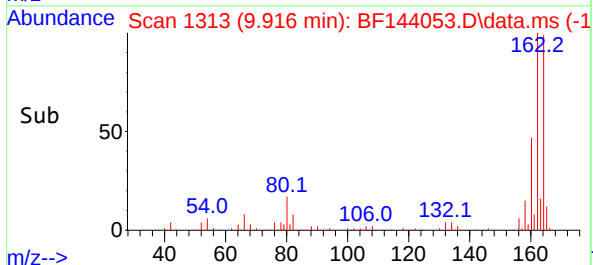
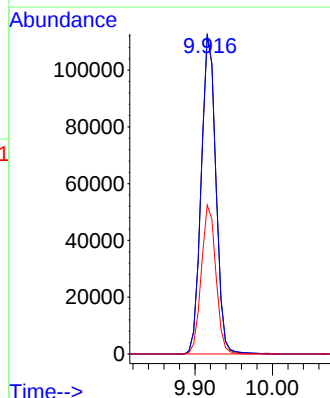
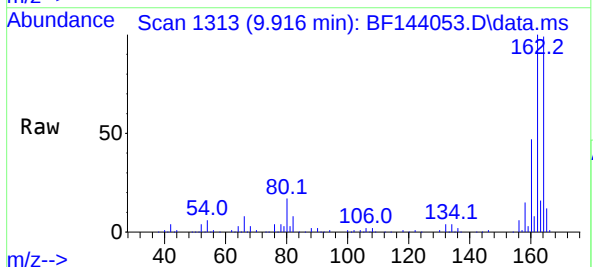
Instrument :
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ClientSampleId :
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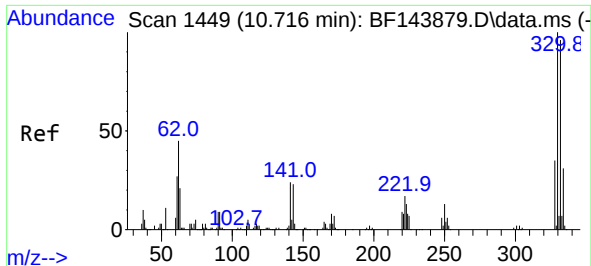
Tgt Ion: 82 Resp: 398393
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.011 min
Lab File: BF144053.D
Acq: 23 Oct 2025 13:26

Tgt Ion: 164 Resp: 147468
Ion Ratio Lower Upper
164 100
162 100.7 80.2 120.2
160 46.9 35.4 53.0

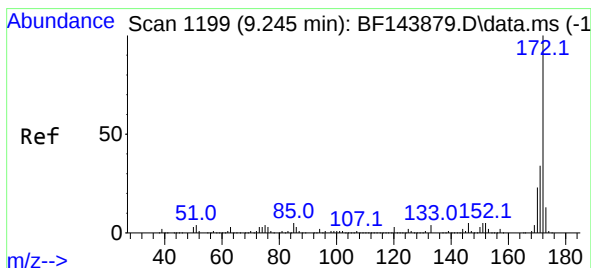
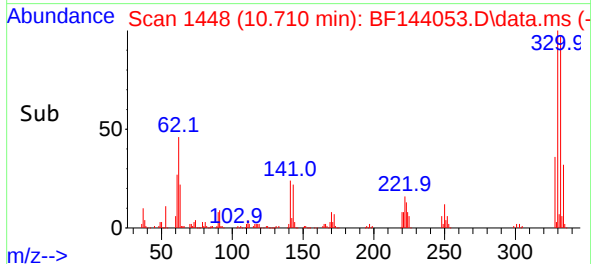
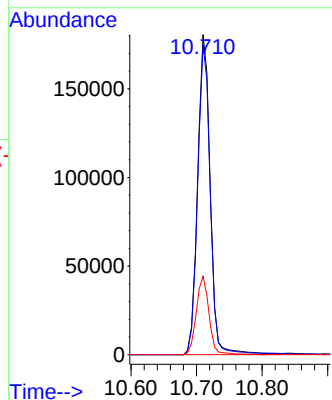
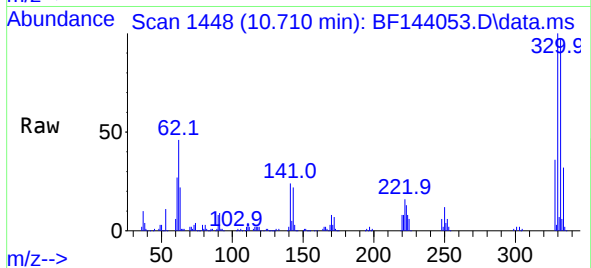




#42
2,4,6-Tribromophenol
Concen: 164.961 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF144053.D
Acq: 23 Oct 2025 13:26

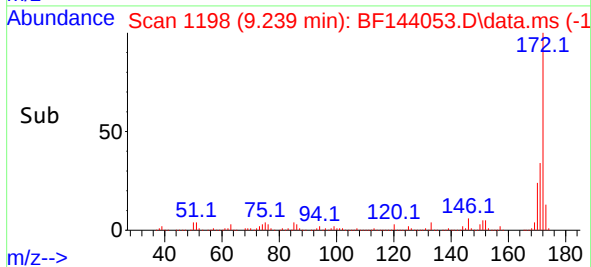
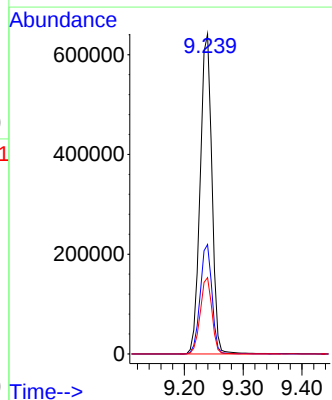
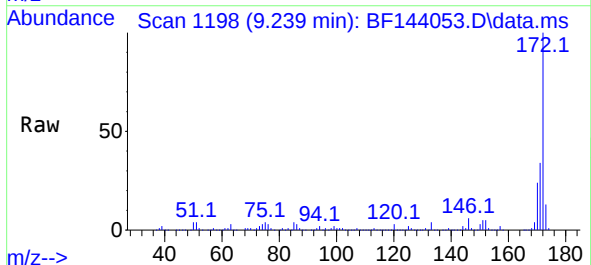
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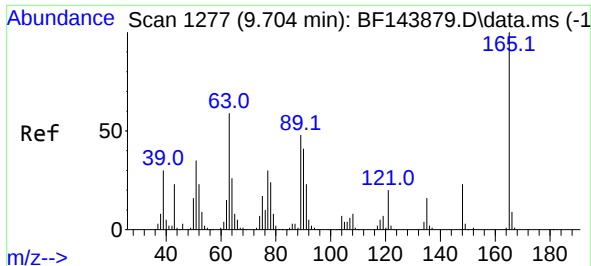
Tgt Ion:330 Resp: 242297
Ion Ratio Lower Upper
330 100
332 97.1 76.9 115.3
141 24.6 20.2 30.4



#45
2-Fluorobiphenyl
Concen: 95.526 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF144053.D
Acq: 23 Oct 2025 13:26

Tgt Ion:172 Resp: 887800
Ion Ratio Lower Upper
172 100
171 34.2 27.4 41.0
170 23.8 18.6 28.0

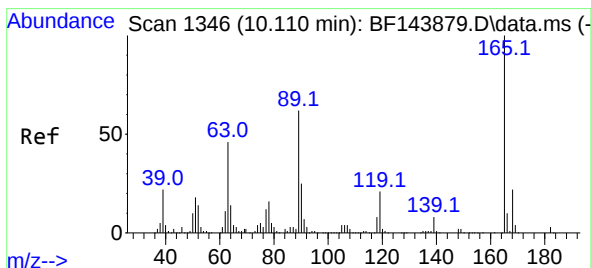
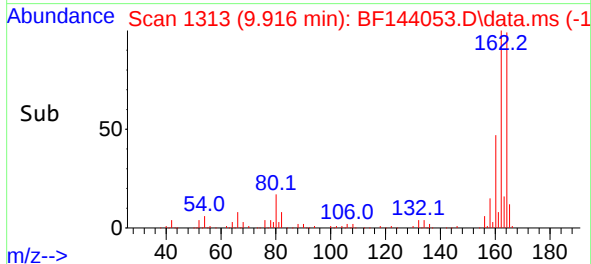
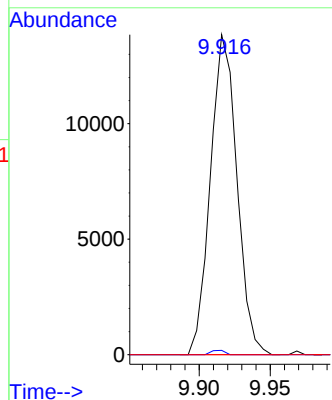
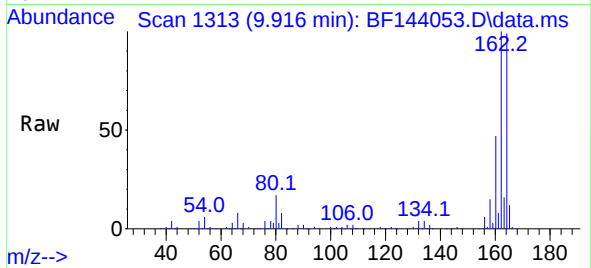




#51
2,6-Dinitrotoluene
Concen: 10.357 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF144053.D
Acq: 23 Oct 2025 13:26

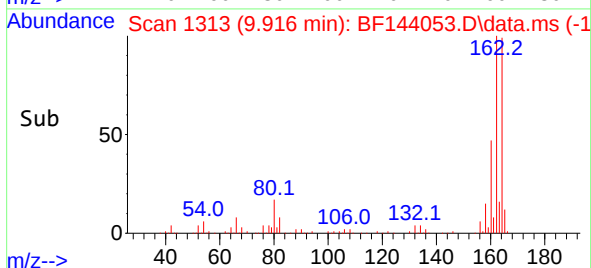
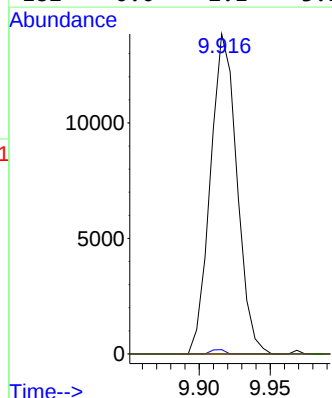
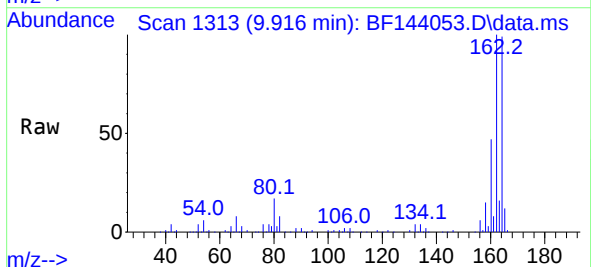
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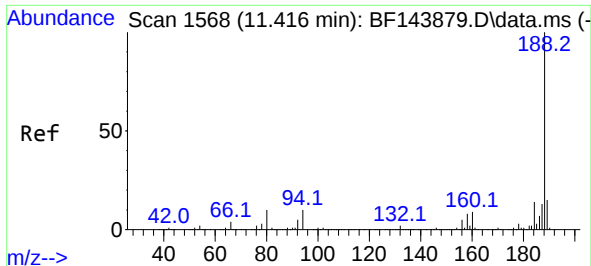
Tgt Ion:165 Resp: 17985
Ion Ratio Lower Upper
165 100
63 1.3 47.3 70.9#
89 0.0 38.2 57.4#



#57
2,4-Dinitrotoluene
Concen: 7.612 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.200 min
Lab File: BF144053.D
Acq: 23 Oct 2025 13:26

Tgt Ion:165 Resp: 17985
Ion Ratio Lower Upper
165 100
63 1.3 37.2 55.8#
89 0.0 49.4 74.2#
182 0.0 2.1 3.1#

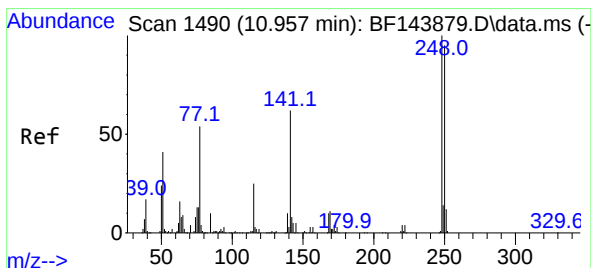
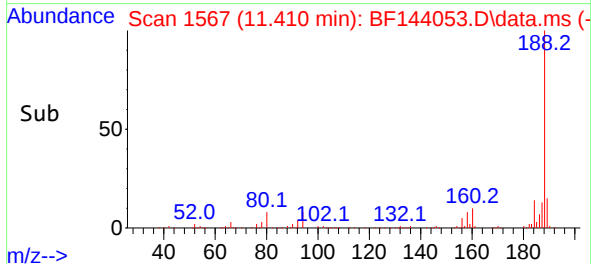
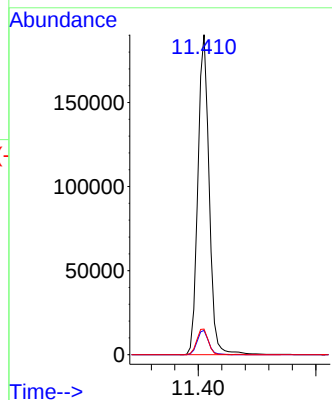
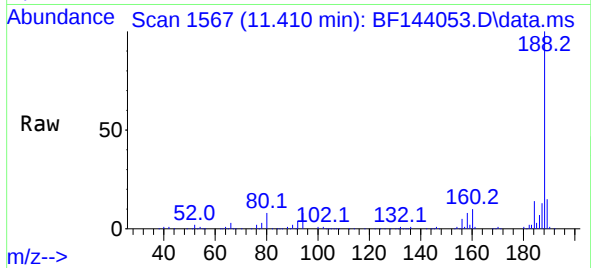




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144053.D
Acq: 23 Oct 2025 13:26

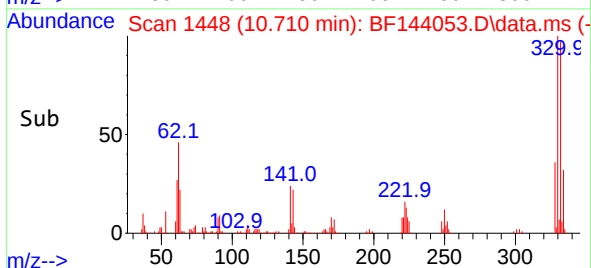
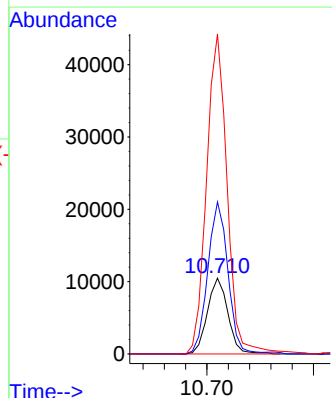
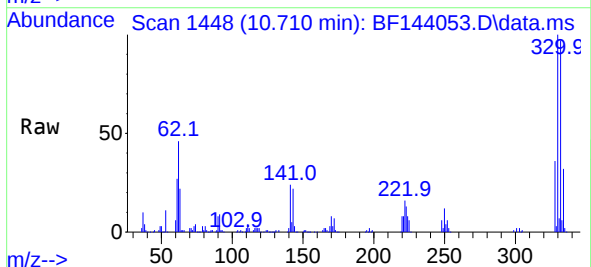
Instrument :
BNA_F
ClientSampleId :
PB170222BL

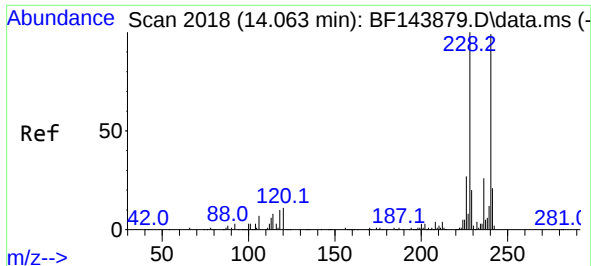
Tgt Ion:188 Resp: 252834
Ion Ratio Lower Upper
188 100
94 7.5 7.8 11.6#
80 8.0 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 5.029 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.253 min
Lab File: BF144053.D
Acq: 23 Oct 2025 13:26

Tgt Ion:248 Resp: 14052
Ion Ratio Lower Upper
248 100
250 200.3 76.3 114.5#
141 421.7 49.7 74.5#

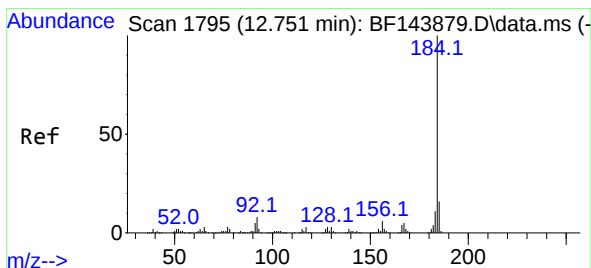
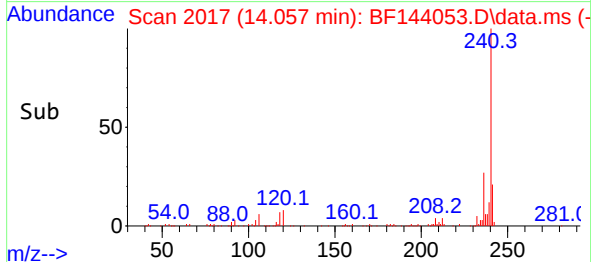
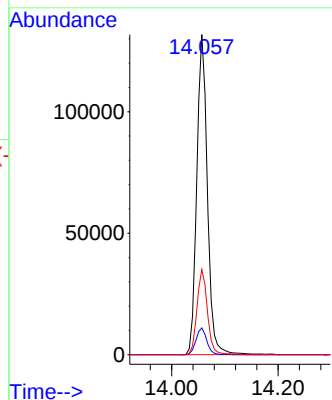
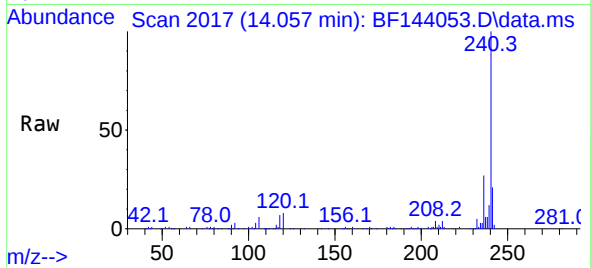




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 20
Delta R.T. -0.011 min
Lab File: BF144053.D
Acq: 23 Oct 2025 13:26

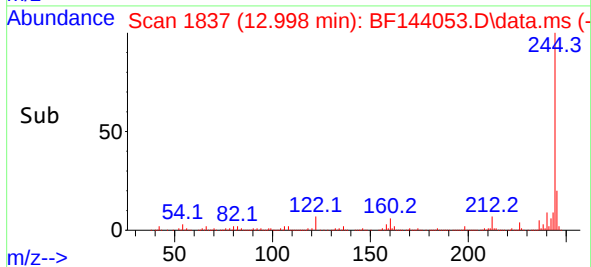
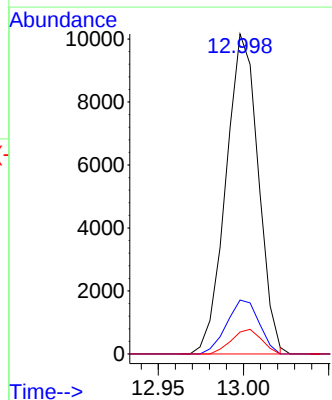
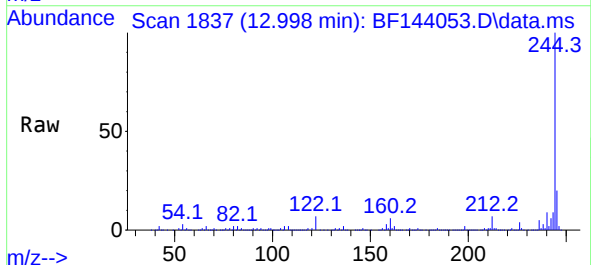
Instrument :
BNA_F
ClientSampleId :
PB170222BL

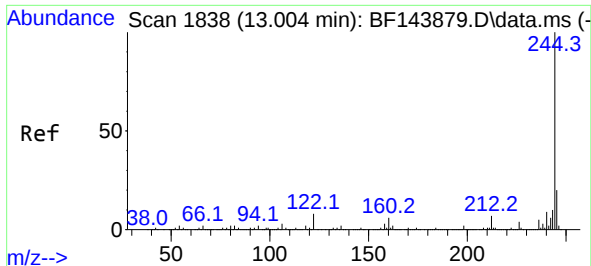
Tgt Ion:240 Resp: 182994
Ion Ratio Lower Upper
240 100
120 8.3 8.6 13.0#
236 26.6 21.1 31.7



#77
Benzidine
Concen: 2.113 ng
RT: 12.998 min Scan# 1837
Delta R.T. 0.241 min
Lab File: BF144053.D
Acq: 23 Oct 2025 13:26

Tgt Ion:184 Resp: 13429
Ion Ratio Lower Upper
184 100
185 16.8 12.6 18.8
183 6.9 8.8 13.2#

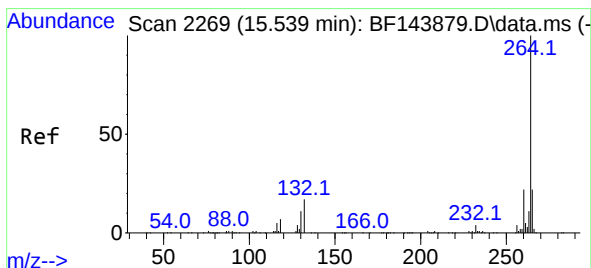
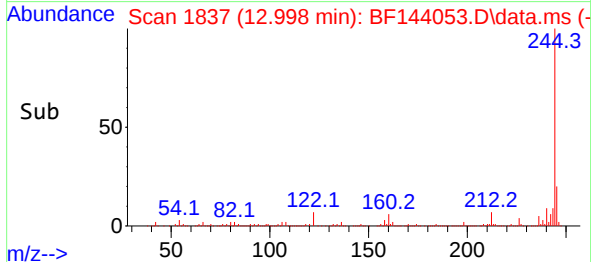
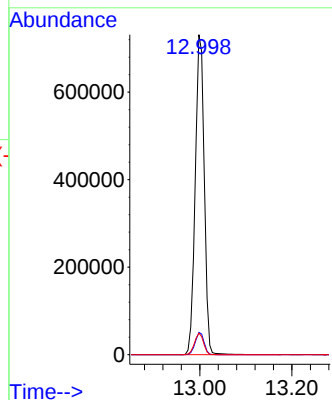
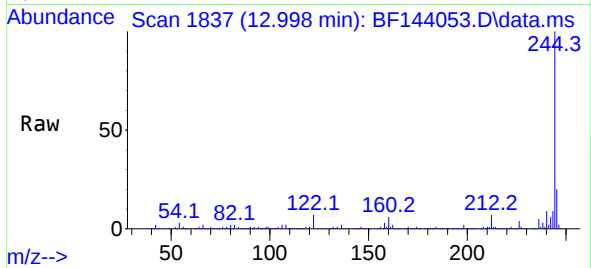




#79
 Terphenyl-d14
 Concen: 92.152 ng
 RT: 12.998 min Scan# 1838
 Delta R.T. -0.012 min
 Lab File: BF144053.D
 Acq: 23 Oct 2025 13:26

Instrument :
 BNA_F
 ClientSampleId :
 PB170222BL

Tgt Ion:244 Resp: 986693
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 6.7 6.4 9.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 2269
 Delta R.T. -0.006 min
 Lab File: BF144053.D
 Acq: 23 Oct 2025 13:26

Tgt Ion:264 Resp: 197984
 Ion Ratio Lower Upper
 264 100
 260 22.7 17.8 26.8
 265 21.2 17.5 26.3

