

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092325\
 Data File : BG064436.D
 Acq On : 23 Sep 2025 12:13
 Operator : RC/JU
 Sample : PB169754TB
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB169754TB

Quant Time: Sep 23 12:54:09 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 28 17:41:58 2025
 Response via : Initial Calibration

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

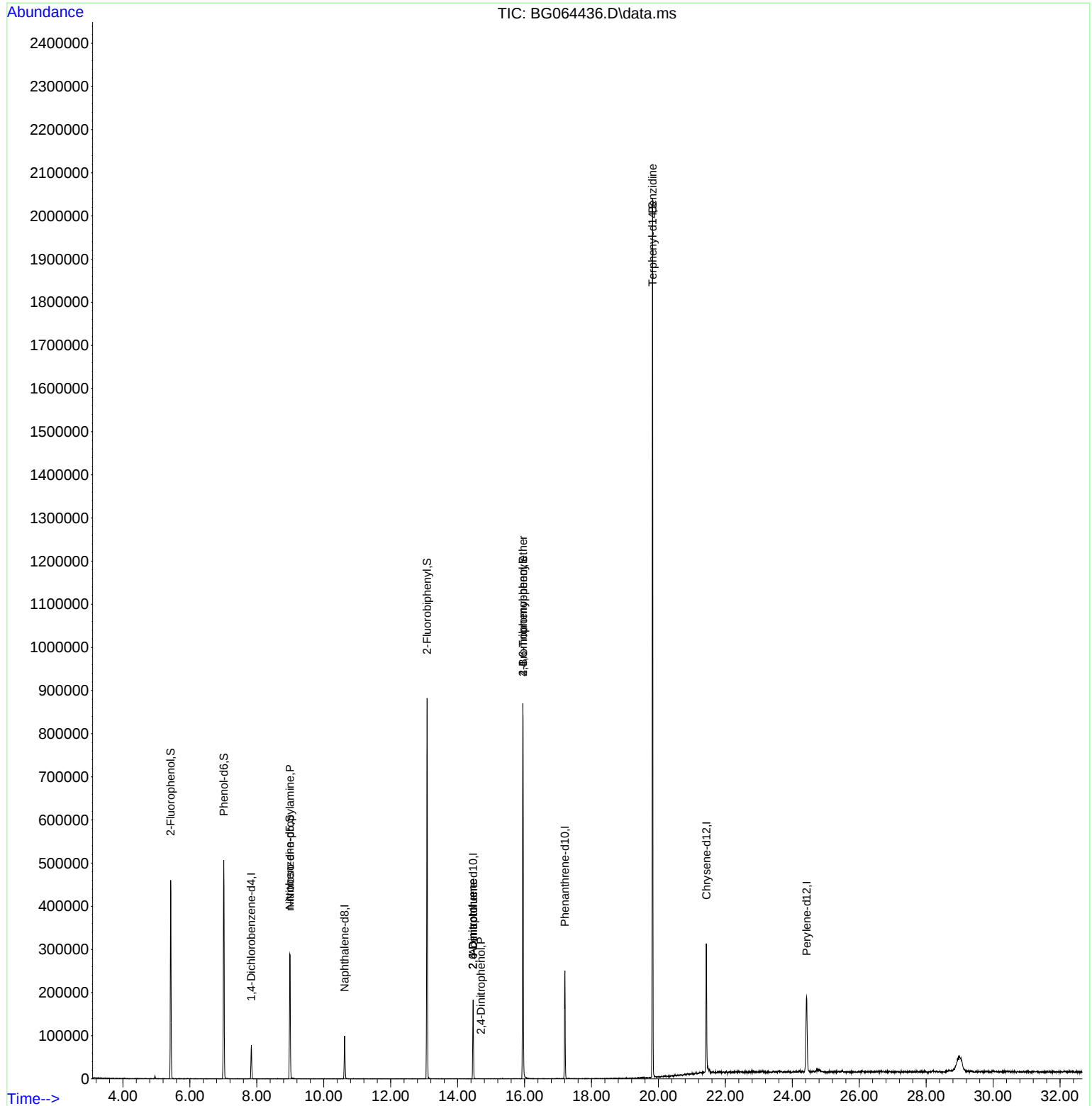
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.834	152	18965	20.000	ng	-0.02
21) Naphthalene-d8	10.625	136	80037	20.000	ng	#-0.02
39) Acenaphthene-d10	14.462	164	62330	20.000	ng	-0.02
64) Phenanthrene-d10	17.206	188	152982	20.000	ng	#-0.02
76) Chrysene-d12	21.430	240	169864	20.000	ng	#-0.02
86) Perylene-d12	24.432	264	188556	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.425	112	164509	155.626	ng	-0.02
7) Phenol-d6	7.012	99	221820	152.743	ng	-0.02
23) Nitrobenzene-d5	8.986	82	152349	106.158	ng	-0.03
42) 2,4,6-Tribromophenol	15.954	330	164921	199.762	ng	-0.02
45) 2-Fluorobiphenyl	13.087	172	421169	103.137	ng	-0.02
79) Terphenyl-d14	19.826	244	917748	112.722	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propyla...	8.992	70	23486	21.131	ng	# 73
51) 2,6-Dinitrotoluene	14.456	165	8434	9.234	ng	# 14
54) 2,4-Dinitrophenol	14.697	184	54	5.735	ng	# 12
57) 2,4-Dinitrotoluene	14.456	165	8434	6.107	ng	# 17
67) 4-Bromophenyl-phenylether	15.954	248	12359	7.606	ng	# 1
77) Benzydine	19.820	184	19756	5.529	ng	# 93

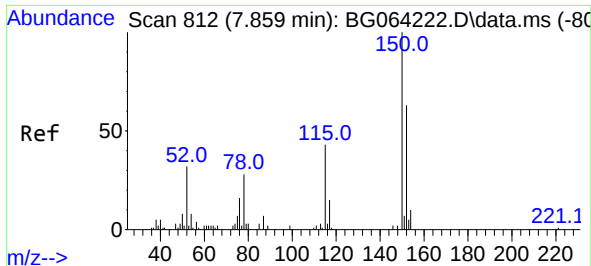
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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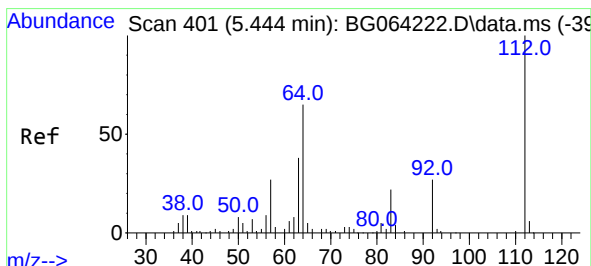
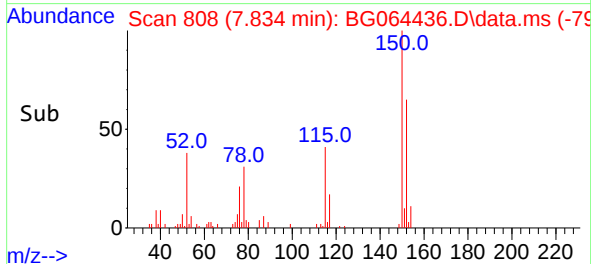
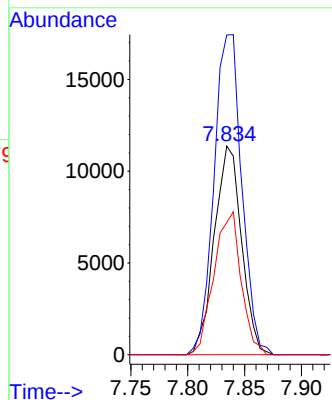
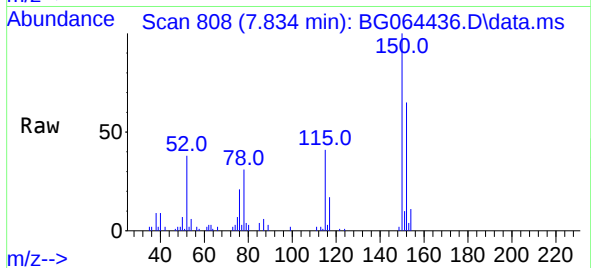




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.834 min Scan# 80
Delta R.T. -0.025 min
Lab File: BG064436.D
Acq: 23 Sep 2025 12:13

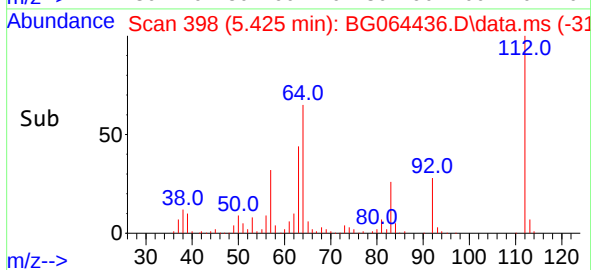
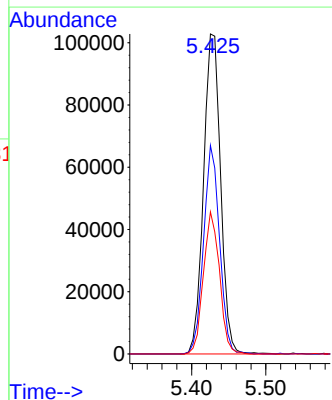
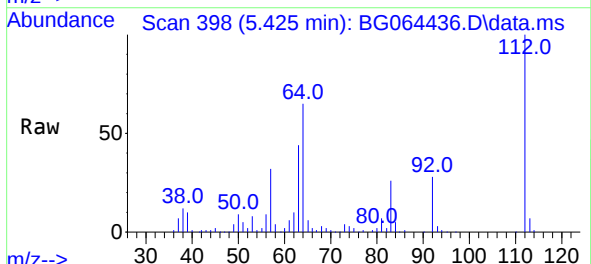
Instrument :
BNA_G
ClientSampleId :
PB169754TB

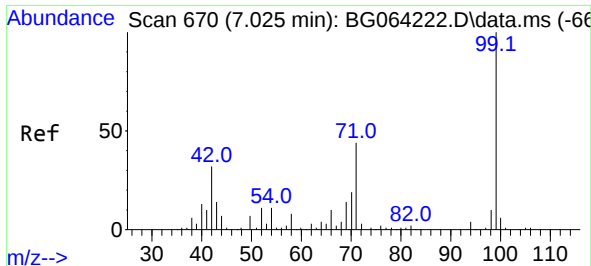
Tgt Ion:152 Resp: 18965
Ion Ratio Lower Upper
152 100
150 153.3 128.0 192.0
115 63.3 55.7 83.5



#5
2-Fluorophenol
Concen: 155.626 ng
RT: 5.425 min Scan# 398
Delta R.T. -0.019 min
Lab File: BG064436.D
Acq: 23 Sep 2025 12:13

Tgt Ion:112 Resp: 164509
Ion Ratio Lower Upper
112 100
64 65.1 51.8 77.6
63 44.4 30.6 45.8

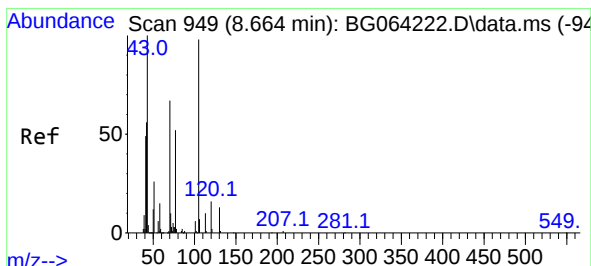
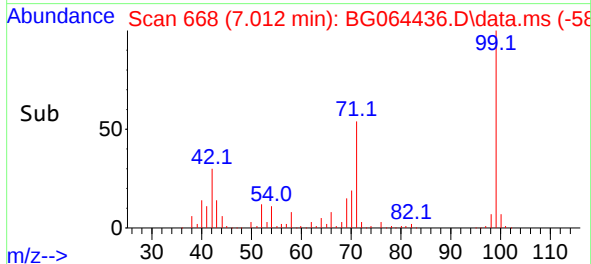
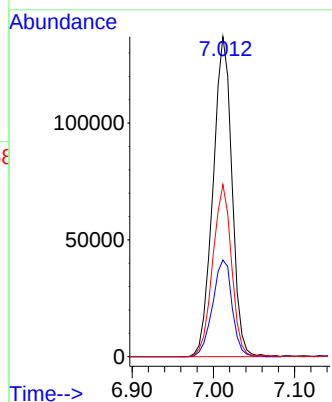
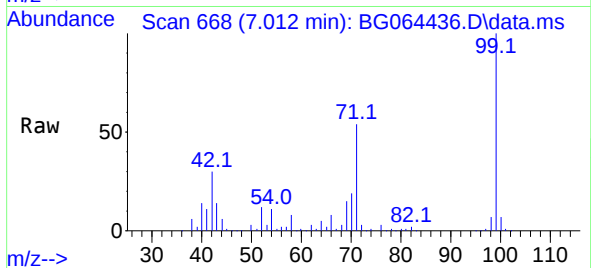




#7
Phenol-d6
Concen: 152.743 ng
RT: 7.012 min Scan# 60
Delta R.T. -0.019 min
Lab File: BG064436.D
Acq: 23 Sep 2025 12:13

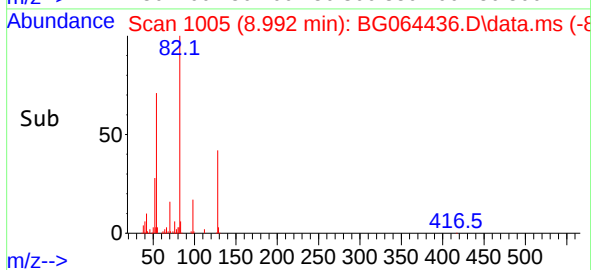
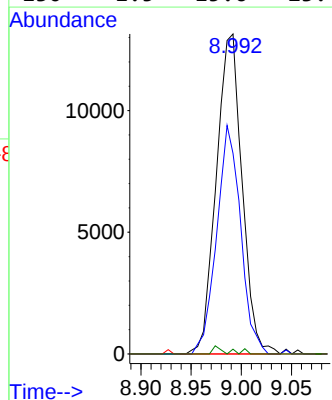
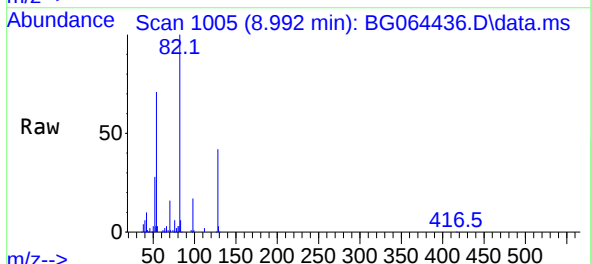
Instrument :
BNA_G
ClientSampleId :
PB169754TB

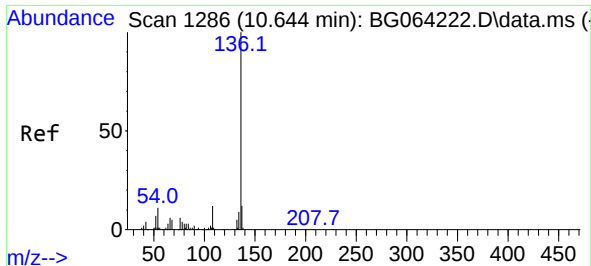
Tgt Ion: 99 Resp: 221820
Ion Ratio Lower Upper
99 100
42 30.2 25.8 38.8
71 53.8 35.2 52.8#



#19
n-Nitroso-di-n-propylamine
Concen: 21.131 ng
RT: 8.992 min Scan# 1005
Delta R.T. 0.328 min
Lab File: BG064436.D
Acq: 23 Sep 2025 12:13

Tgt Ion: 70 Resp: 23486
Ion Ratio Lower Upper
70 100
42 62.7 67.9 101.9#
101 0.0 7.3 10.9#
130 1.5 15.6 23.4#

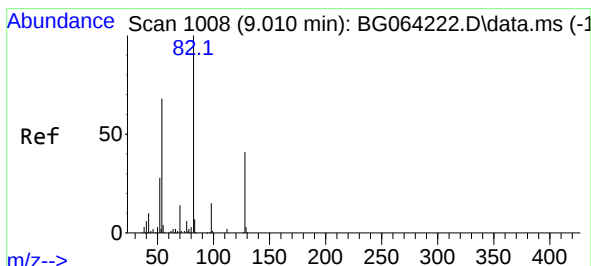
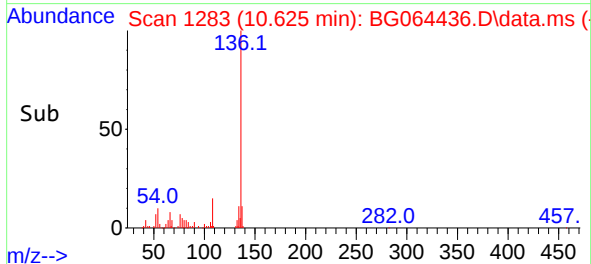
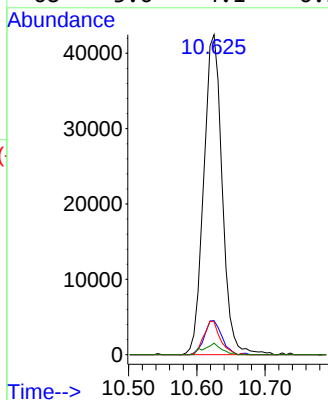
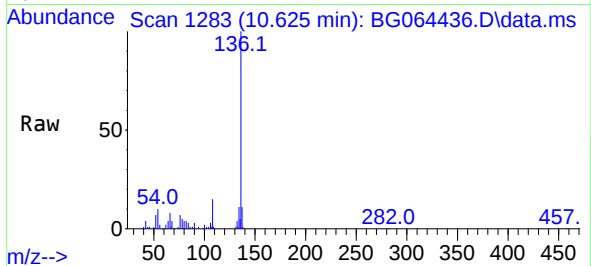




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.625 min Scan# 11
Delta R.T. -0.025 min
Lab File: BG064436.D
Acq: 23 Sep 2025 12:13

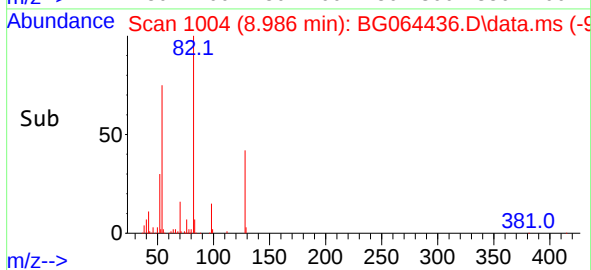
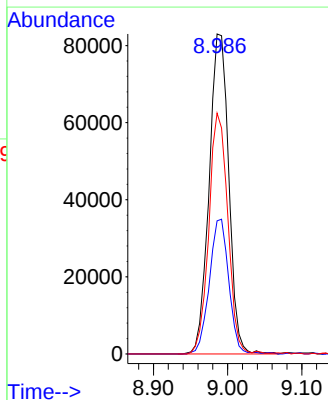
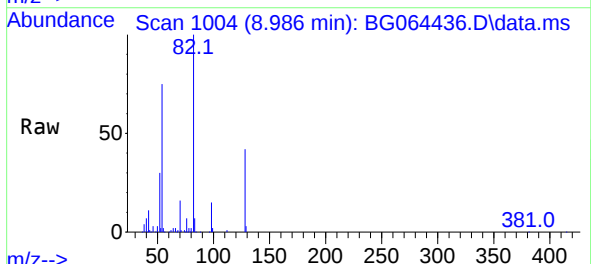
Instrument :
BNA_G
ClientSampleId :
PB169754TB

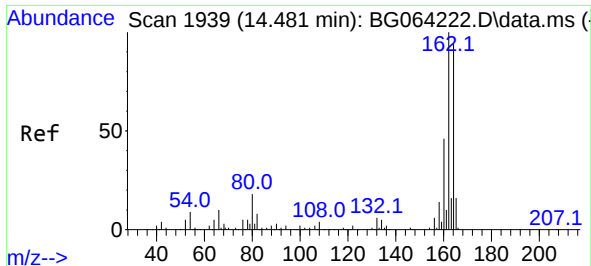
Tgt Ion:	136	Resp:	80037
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.6	14.4
54	10.3	8.8	13.2
68	3.6	4.1	6.1



#23
Nitrobenzene-d5
Concen: 106.158 ng
RT: 8.986 min Scan# 1004
Delta R.T. -0.031 min
Lab File: BG064436.D
Acq: 23 Sep 2025 12:13

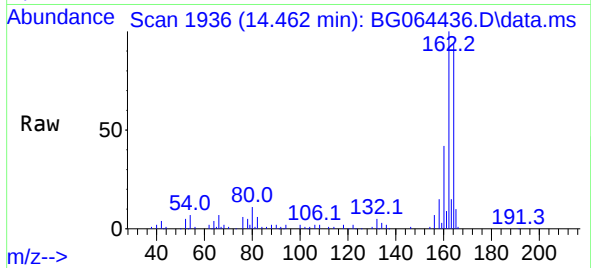
Tgt Ion:	82	Resp:	152349
Ion	Ratio	Lower	Upper
82	100		
128	41.6	32.6	48.8
54	75.2	54.7	82.1



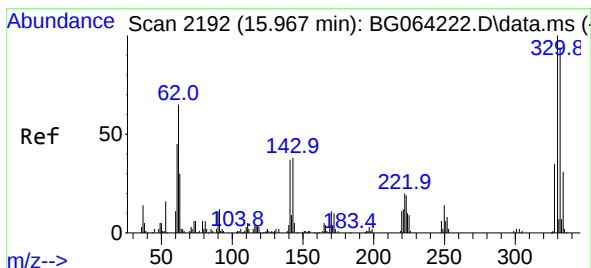
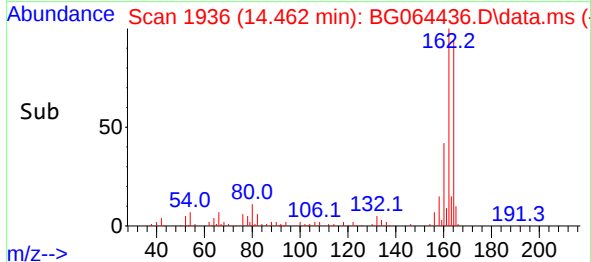
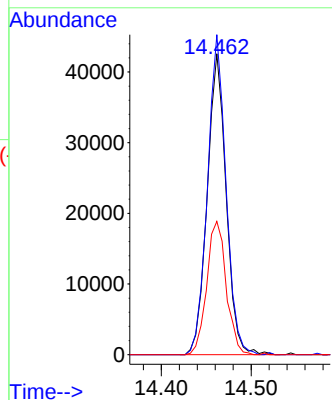


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.462 min Scan# 1936
Delta R.T. -0.019 min
Lab File: BG064436.D
Acq: 23 Sep 2025 12:13

Instrument :
BNA_G
ClientSampleId :
PB169754TB

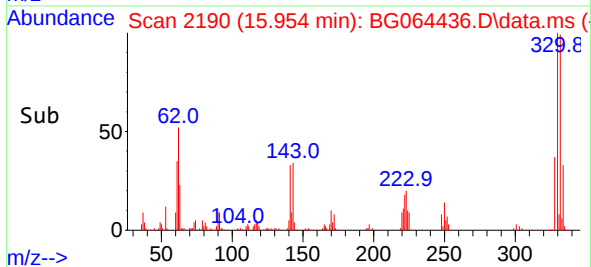
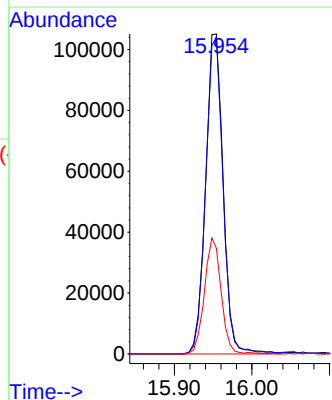
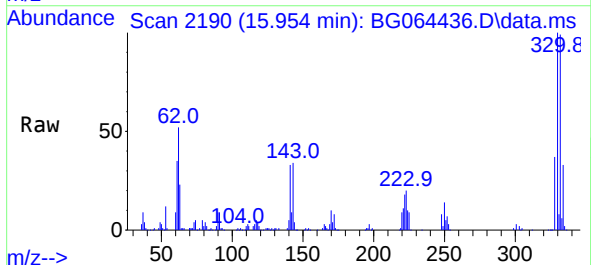


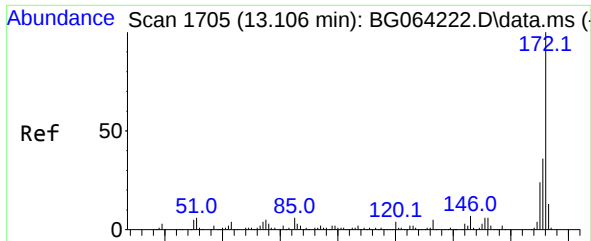
Tgt Ion:164 Resp: 62330
Ion Ratio Lower Upper
164 100
162 106.4 85.4 128.0
160 44.3 39.2 58.8



#42
2,4,6-Tribromophenol
Concen: 199.762 ng
RT: 15.954 min Scan# 2190
Delta R.T. -0.019 min
Lab File: BG064436.D
Acq: 23 Sep 2025 12:13

Tgt Ion:330 Resp: 164921
Ion Ratio Lower Upper
330 100
332 98.2 77.6 116.4
141 34.6 29.8 44.6

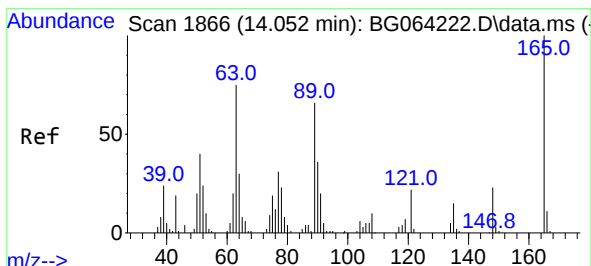
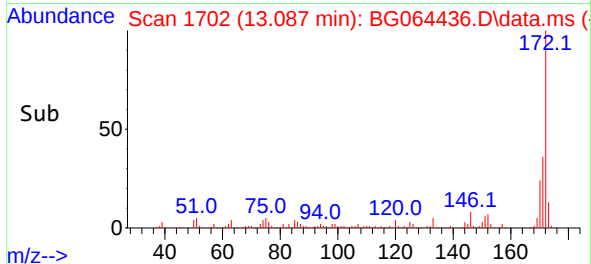
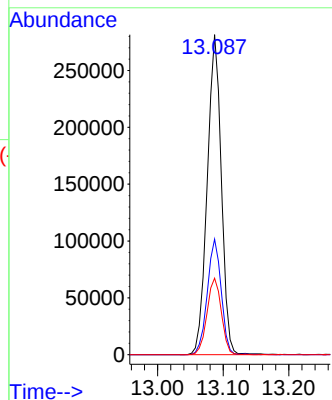
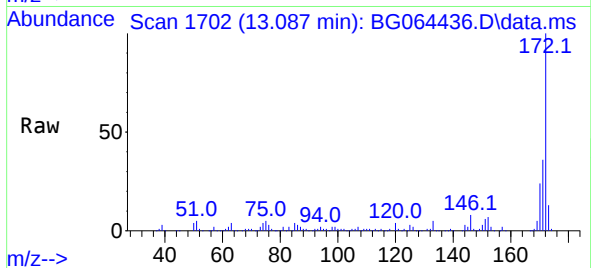




#45
2-Fluorobiphenyl
Concen: 103.137 ng
RT: 13.087 min Scan# 1
Delta R.T. -0.025 min
Lab File: BG064436.D
Acq: 23 Sep 2025 12:13

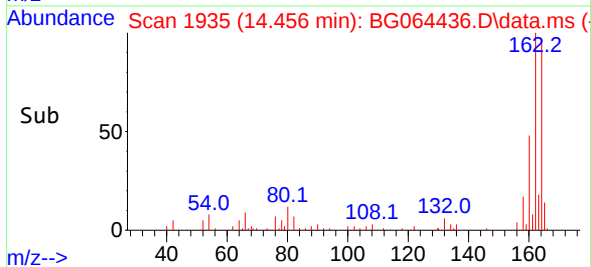
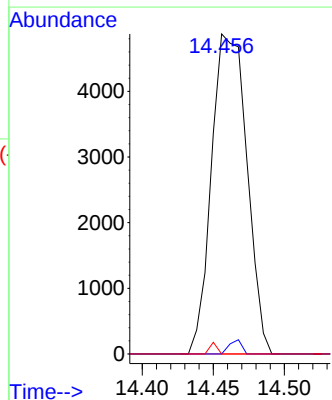
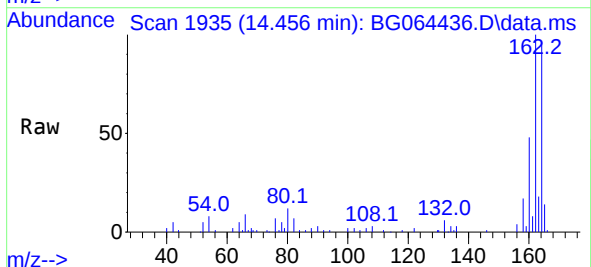
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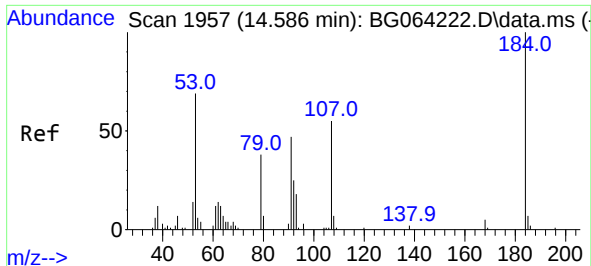
Tgt Ion:172 Resp: 421169
Ion Ratio Lower Upper
172 100
171 36.1 28.7 43.1
170 23.9 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 9.234 ng
RT: 14.456 min Scan# 1935
Delta R.T. 0.398 min
Lab File: BG064436.D
Acq: 23 Sep 2025 12:13

Tgt Ion:165 Resp: 8434
Ion Ratio Lower Upper
165 100
63 0.0 60.3 90.5#
89 0.0 52.9 79.3#

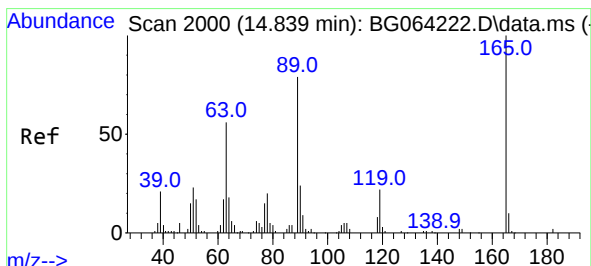
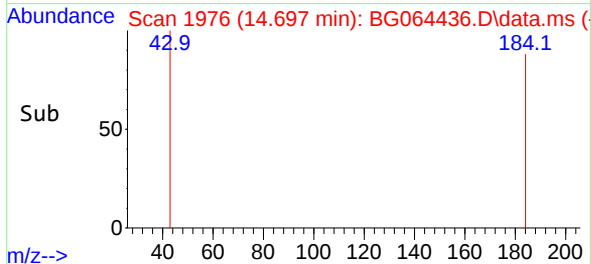
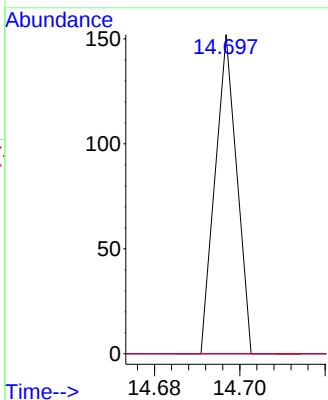
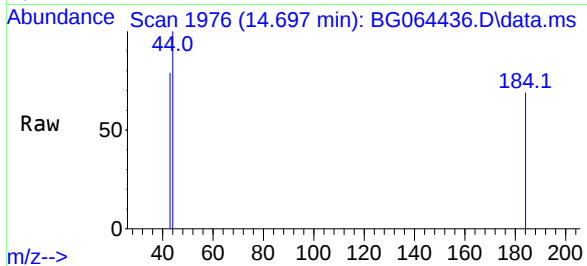




#54
2,4-Dinitrophenol
Concen: 5.735 ng
RT: 14.697 min Scan# 1957
Delta R.T. 0.105 min
Lab File: BG064436.D
Acq: 23 Sep 2025 12:13

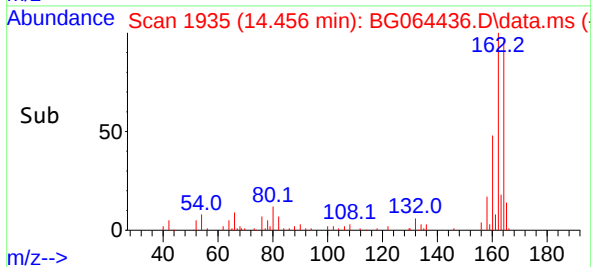
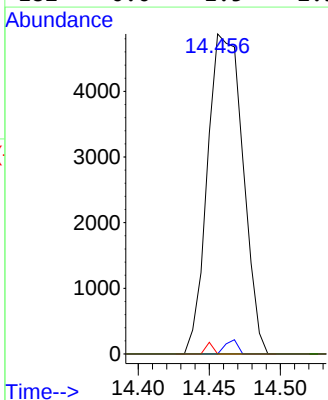
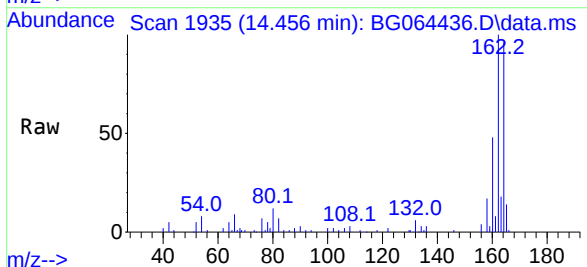
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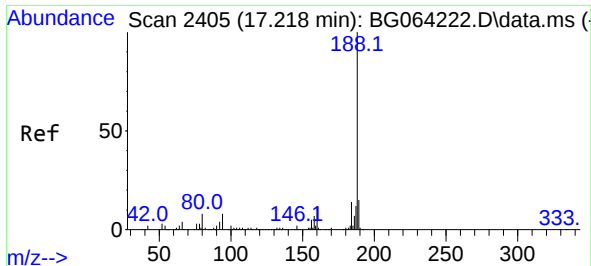
Tgt Ion:184 Resp: 54
Ion Ratio Lower Upper
184 100
63 0.0 60.1 90.1#
154 0.0 59.8 89.8#



#57
2,4-Dinitrotoluene
Concen: 6.107 ng
RT: 14.456 min Scan# 1935
Delta R.T. -0.389 min
Lab File: BG064436.D
Acq: 23 Sep 2025 12:13

Tgt Ion:165 Resp: 8434
Ion Ratio Lower Upper
165 100
63 0.0 44.6 67.0#
89 0.0 63.0 94.4#
182 0.0 1.5 2.3#

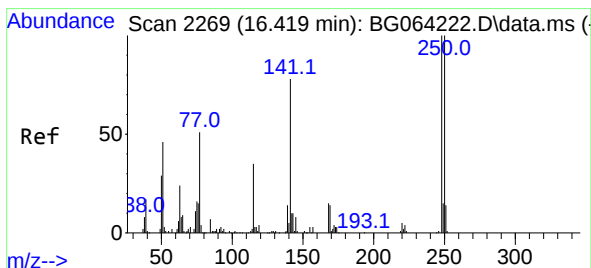
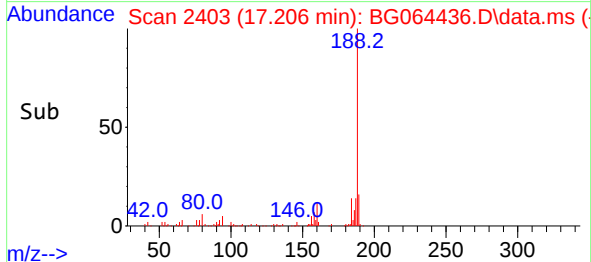
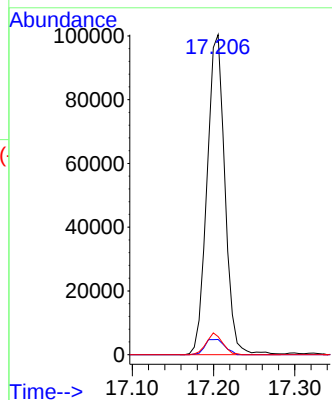
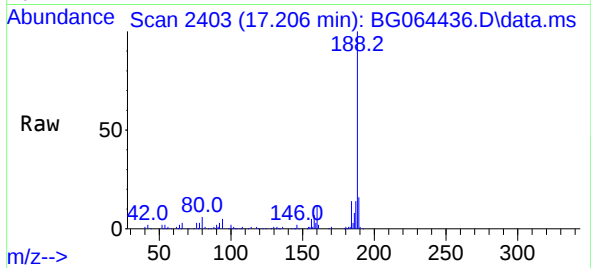




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.206 min Scan# 24
Delta R.T. -0.019 min
Lab File: BG064436.D
Acq: 23 Sep 2025 12:13

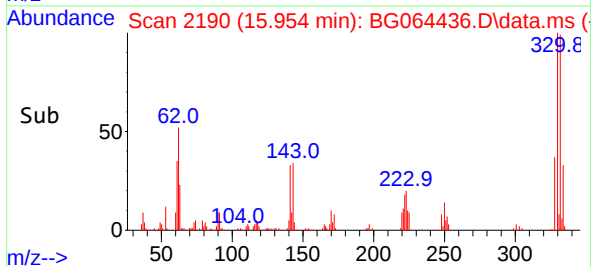
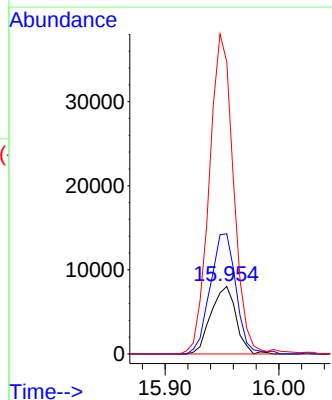
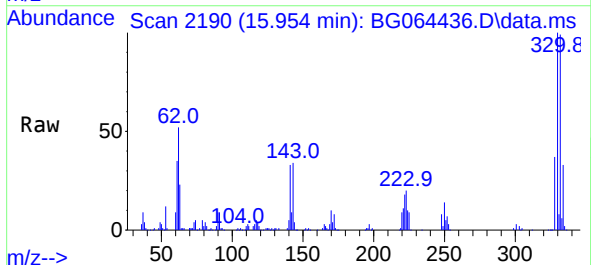
Instrument :
BNA_G
ClientSampleId :
PB169754TB

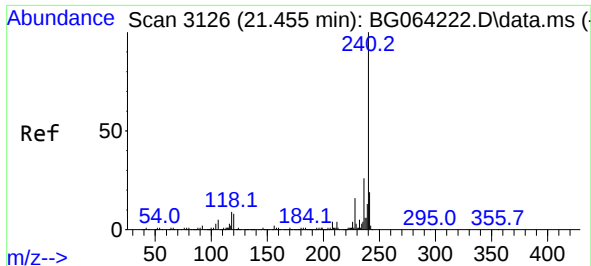
Tgt Ion:188 Resp: 152982
Ion Ratio Lower Upper
188 100
94 4.7 6.2 9.4#
80 5.7 6.8 10.2#



#67
4-Bromophenyl-phenylether
Concen: 7.606 ng
RT: 15.954 min Scan# 2190
Delta R.T. -0.466 min
Lab File: BG064436.D
Acq: 23 Sep 2025 12:13

Tgt Ion:248 Resp: 12359
Ion Ratio Lower Upper
248 100
250 177.8 80.2 120.4#
141 432.4 62.4 93.6#

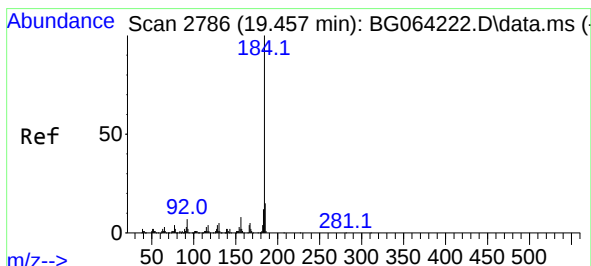
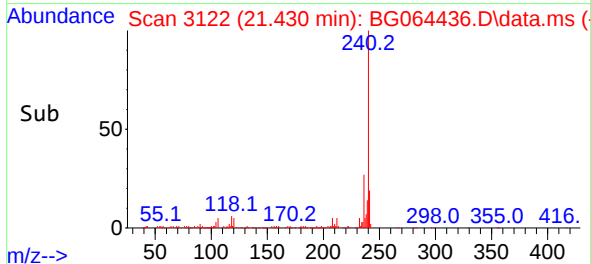
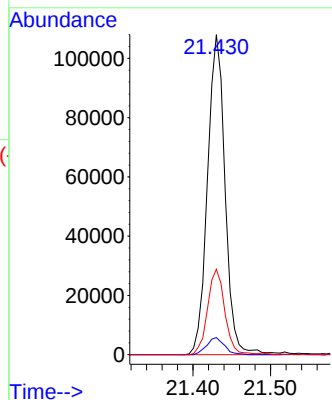
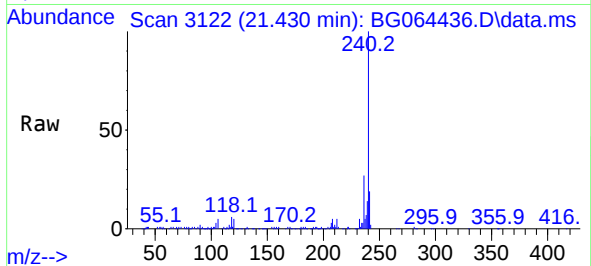




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.430 min Scan# 31
Delta R.T. -0.025 min
Lab File: BG064436.D
Acq: 23 Sep 2025 12:13

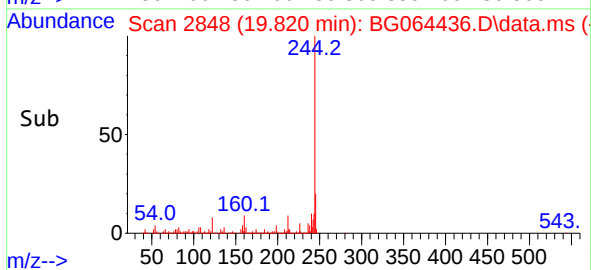
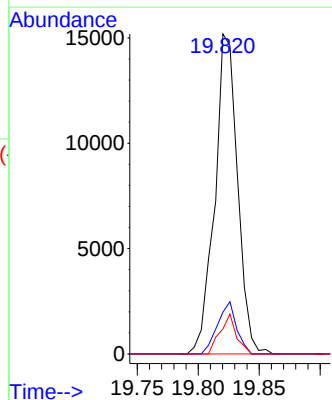
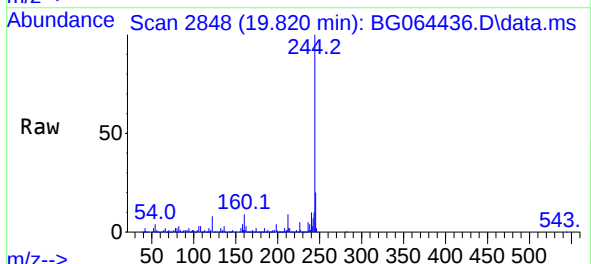
Instrument :
BNA_G
ClientSampleId :
PB169754TB

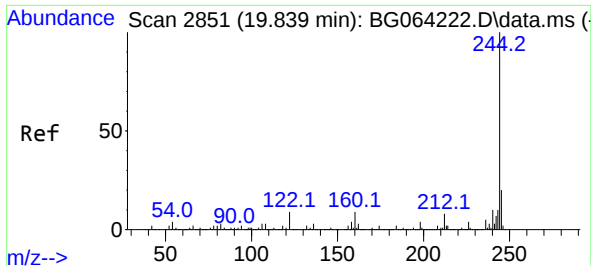
Tgt Ion:240 Resp: 169864
Ion Ratio Lower Upper
240 100
120 5.3 6.2 9.4#
236 26.7 20.5 30.7



#77
Benzidine
Concen: 5.529 ng
RT: 19.820 min Scan# 2848
Delta R.T. 0.363 min
Lab File: BG064436.D
Acq: 23 Sep 2025 12:13

Tgt Ion:184 Resp: 19756
Ion Ratio Lower Upper
184 100
185 13.0 11.7 17.5
183 7.8 9.7 14.5#

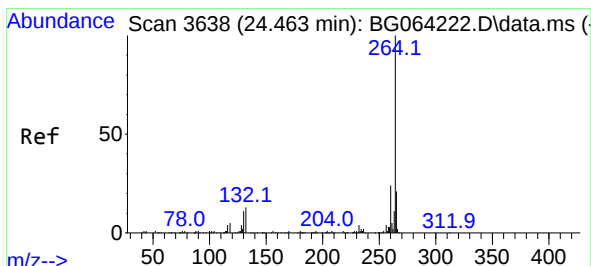
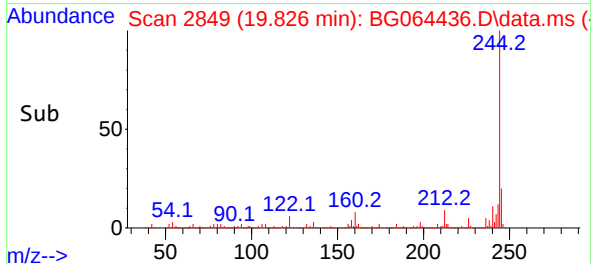
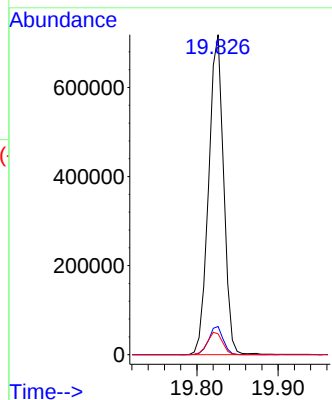
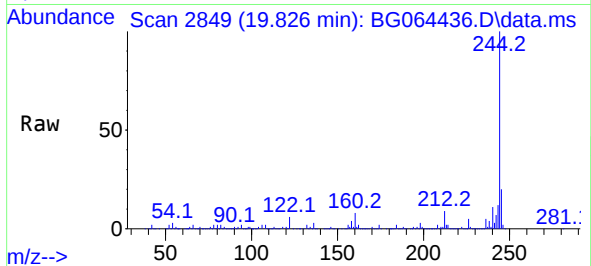




#79
Terphenyl-d14
Concen: 112.722 ng
RT: 19.826 min Scan# 2849
Delta R.T. -0.019 min
Lab File: BG064436.D
Acq: 23 Sep 2025 12:13

Instrument :
BNA_G
ClientSampleId :
PB169754TB

Tgt Ion:244 Resp: 917748
Ion Ratio Lower Upper
244 100
212 8.8 6.6 10.0
122 6.5 7.0 10.6#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.432 min Scan# 3633
Delta R.T. -0.031 min
Lab File: BG064436.D
Acq: 23 Sep 2025 12:13

Tgt Ion:264 Resp: 188556
Ion Ratio Lower Upper
264 100
260 20.2 18.9 28.3
265 20.2 16.7 25.1

