

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090825\
 Data File : BG064304.D
 Acq On : 8 Sep 2025 12:55
 Operator : RC/JU
 Sample : Q3023-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Quant Time: Sep 08 13:37:04 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)

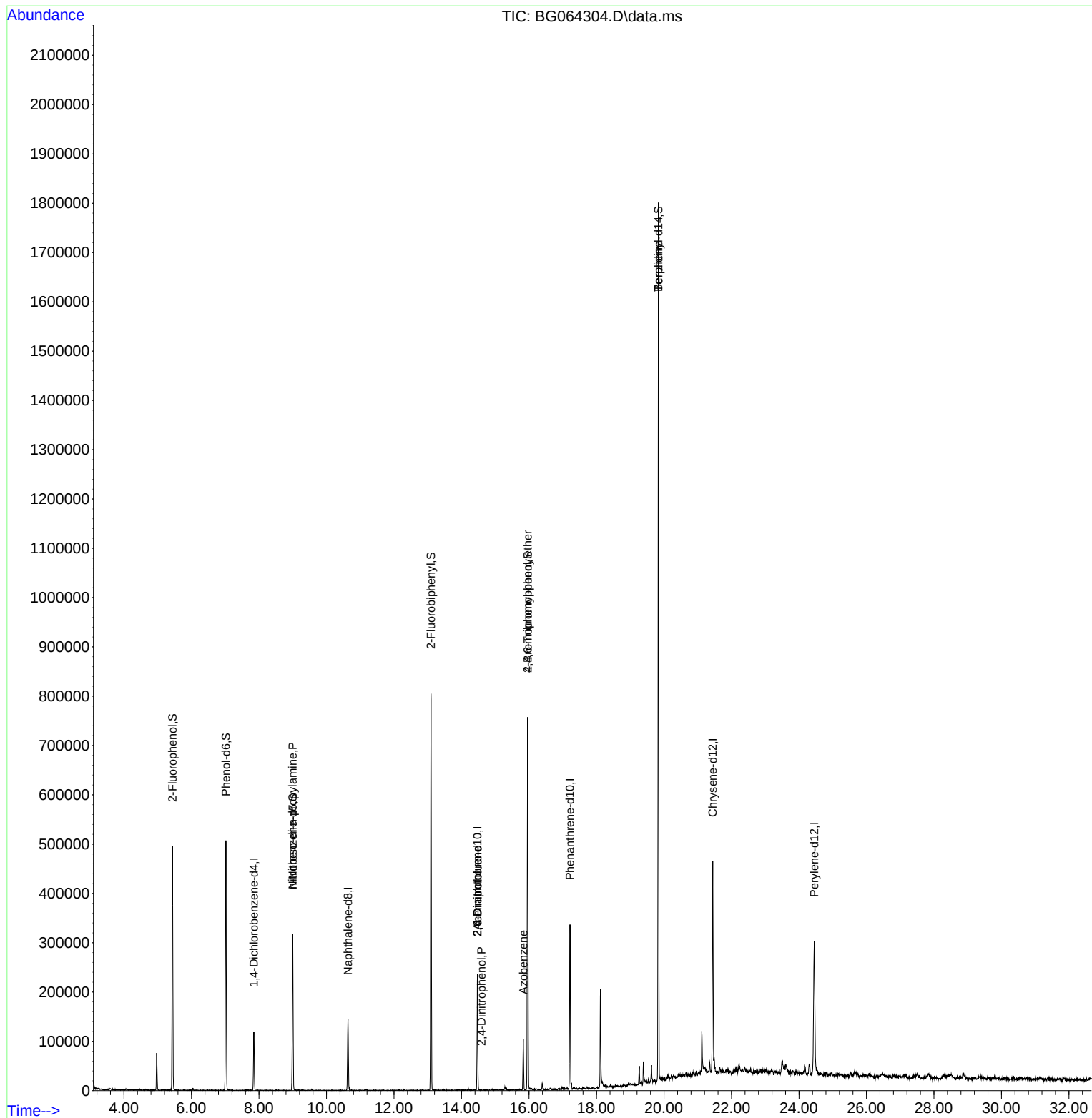
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.848	152	27938	20.000	ng	-0.01
21) Naphthalene-d8	10.639	136	116301	20.000	ng	#-0.01
39) Acenaphthene-d10	14.476	164	81489	20.000	ng	0.00
64) Phenanthrene-d10	17.214	188	195916	20.000	ng	-0.01
76) Chrysene-d12	21.444	240	240083	20.000	ng	#-0.01
86) Perylene-d12	24.453	264	263408	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.439	112	179448	115.236	ng	0.00
7) Phenol-d6	7.020	99	230619	107.798	ng	-0.01
23) Nitrobenzene-d5	9.000	82	164125	78.704	ng	-0.02
42) 2,4,6-Tribromophenol	15.962	330	142009	131.568	ng	-0.01
45) 2-Fluorobiphenyl	13.095	172	387464	72.575	ng	-0.02
79) Terphenyl-d14	19.834	244	808719	70.279	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.000	70	23645	14.441	ng	# 73
51) 2,6-Dinitrotoluene	14.470	165	11305	9.467	ng	# 14
54) 2,4-Dinitrophenol	14.593	184	57	5.719	ng	# 12
57) 2,4-Dinitrotoluene	14.470	165	11305	6.261	ng	# 17
63) Azobenzene	15.833	77	28355	4.819	ng	# 7
67) 4-Bromophenyl-phenylether	15.962	248	10207	4.905	ng	# 1
77) Benzidine	19.834	184	15962	3.160	ng	94

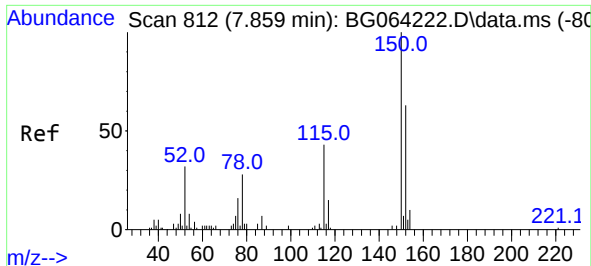
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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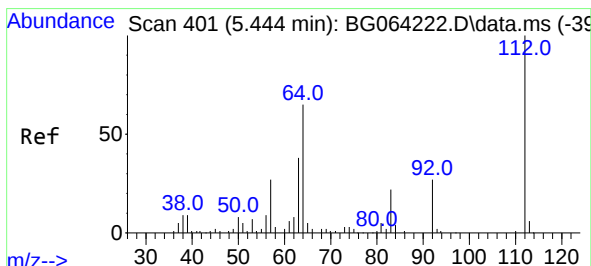
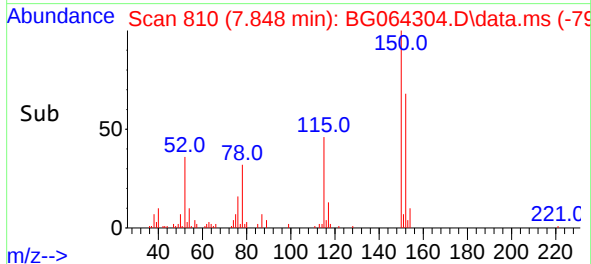
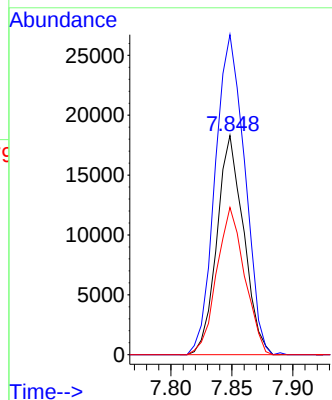
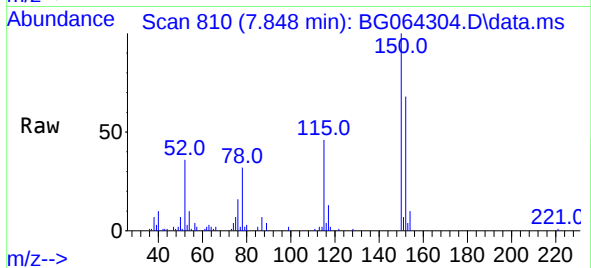




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.848 min Scan# 81
Delta R.T. -0.011 min
Lab File: BG064304.D
Acq: 8 Sep 2025 12:55

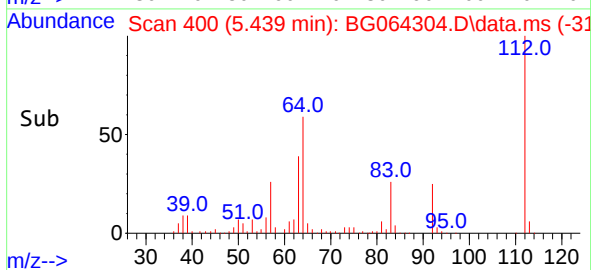
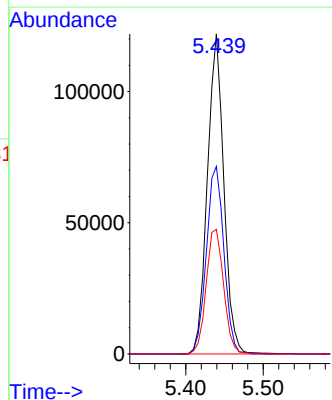
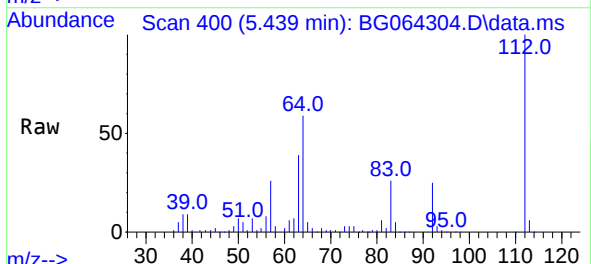
Instrument :
BNA_G
ClientSampleId :
TP-1

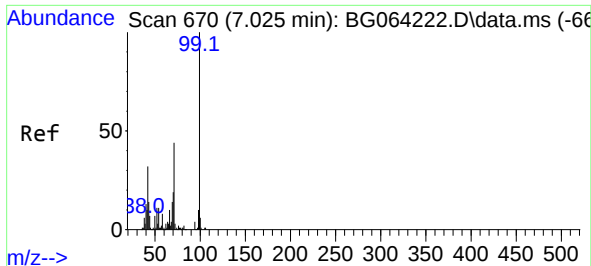
Tgt Ion:152 Resp: 27938
Ion Ratio Lower Upper
152 100
150 146.0 128.0 192.0
115 67.2 55.7 83.5



#5
2-Fluorophenol
Concen: 115.236 ng
RT: 5.439 min Scan# 400
Delta R.T. -0.005 min
Lab File: BG064304.D
Acq: 8 Sep 2025 12:55

Tgt Ion:112 Resp: 179448
Ion Ratio Lower Upper
112 100
64 58.6 51.8 77.6
63 39.0 30.6 45.8

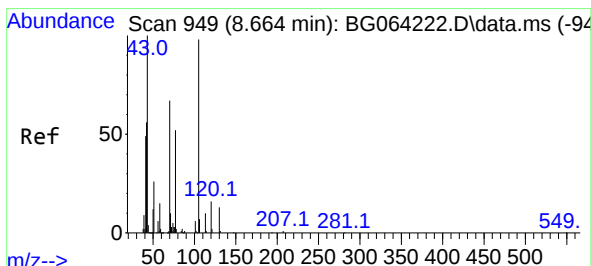
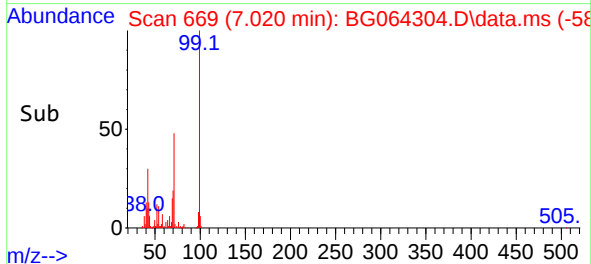
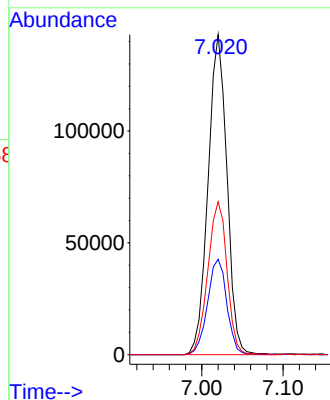
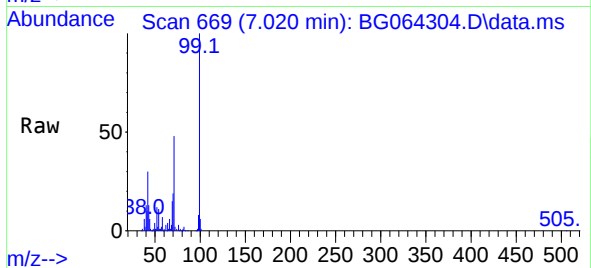




#7
Phenol-d6
Concen: 107.798 ng
RT: 7.020 min Scan# 60
Delta R.T. -0.011 min
Lab File: BG064304.D
Acq: 8 Sep 2025 12:55

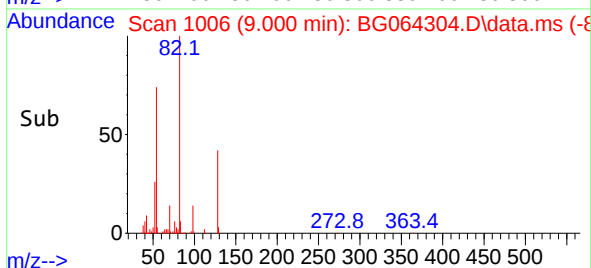
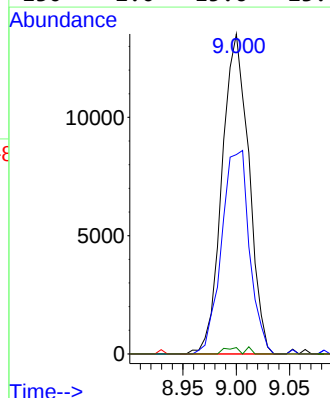
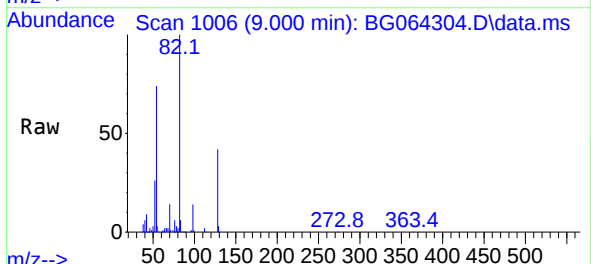
Instrument :
BNA_G
ClientSampleId :
TP-1

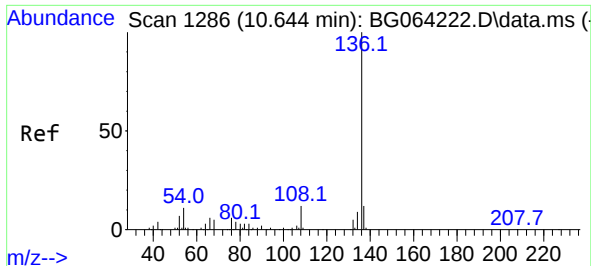
Tgt Ion: 99 Resp: 230619
Ion Ratio Lower Upper
99 100
42 29.8 25.8 38.8
71 47.8 35.2 52.8



#19
n-Nitroso-di-n-propylamine
Concen: 14.441 ng
RT: 9.000 min Scan# 1006
Delta R.T. 0.336 min
Lab File: BG064304.D
Acq: 8 Sep 2025 12:55

Tgt Ion: 70 Resp: 23645
Ion Ratio Lower Upper
70 100
42 62.3 67.9 101.9#
101 0.0 7.3 10.9#
130 2.0 15.6 23.4#

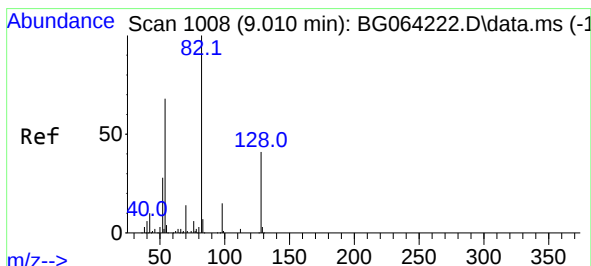
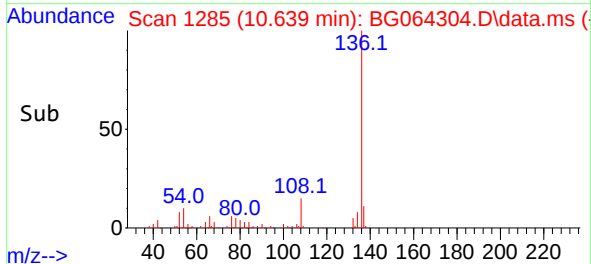
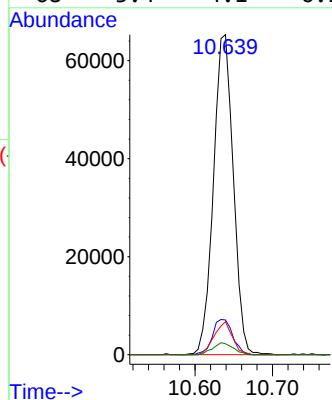
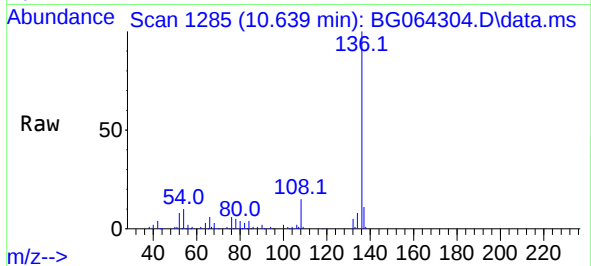




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.639 min Scan# 11
Delta R.T. -0.011 min
Lab File: BG064304.D
Acq: 8 Sep 2025 12:55

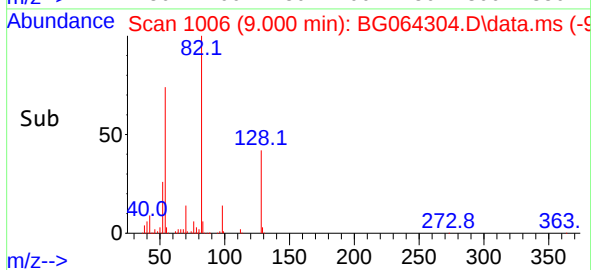
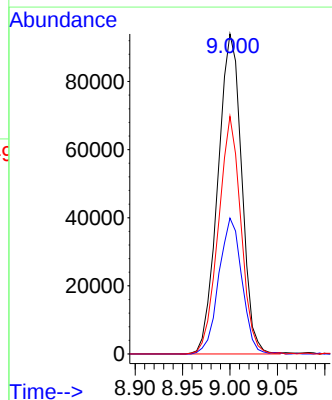
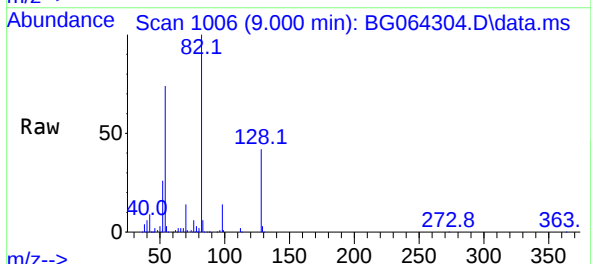
Instrument :
BNA_G
ClientSampleId :
TP-1

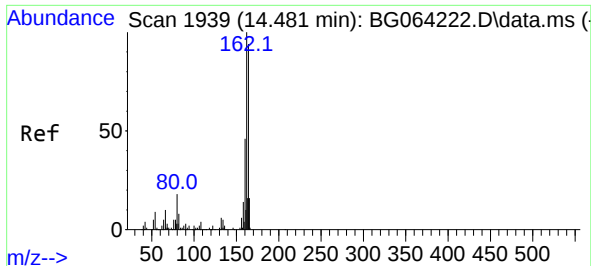
Tgt Ion:	136	Resp:	116301
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.6	14.4
54	10.3	8.8	13.2
68	3.4	4.1	6.1



#23
Nitrobenzene-d5
Concen: 78.704 ng
RT: 9.000 min Scan# 1006
Delta R.T. -0.017 min
Lab File: BG064304.D
Acq: 8 Sep 2025 12:55

Tgt Ion:	82	Resp:	164125
Ion	Ratio	Lower	Upper
82	100		
128	42.5	32.6	48.8
54	74.2	54.7	82.1

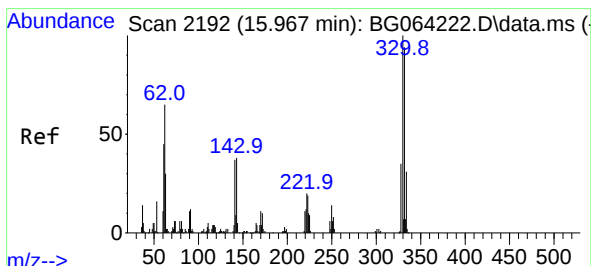
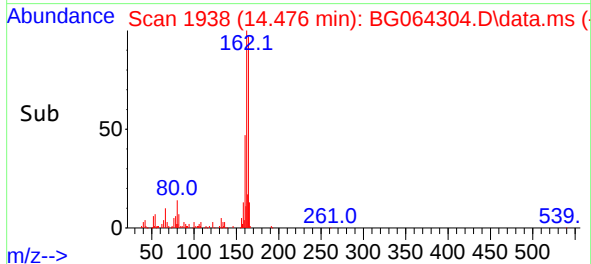
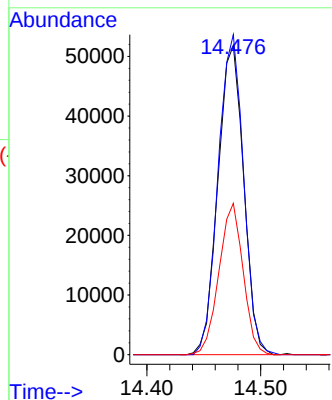
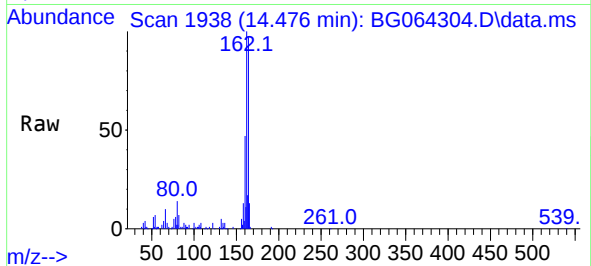




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.476 min Scan# 1938
Delta R.T. -0.005 min
Lab File: BG064304.D
Acq: 8 Sep 2025 12:55

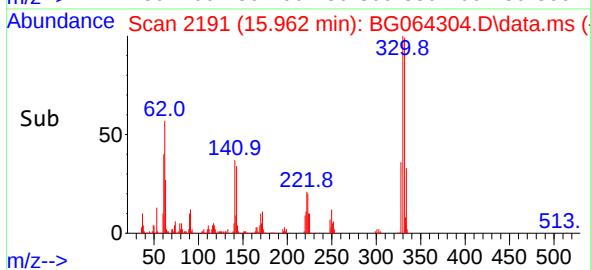
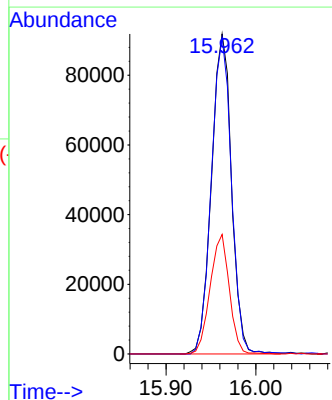
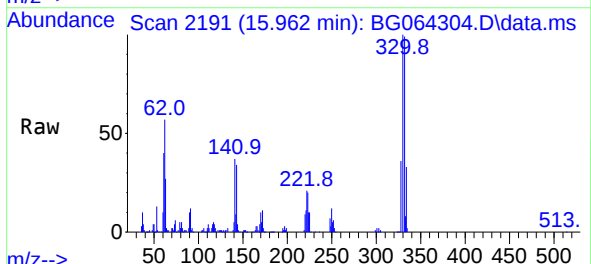
Instrument :
BNA_G
ClientSampleId :
TP-1

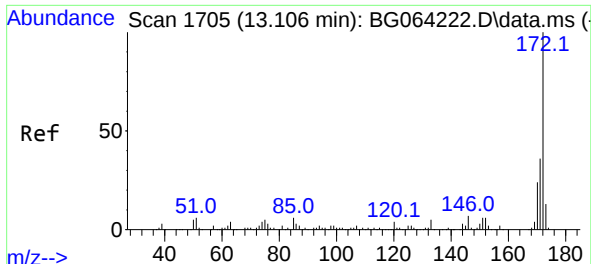
Tgt Ion:164 Resp: 81489
Ion Ratio Lower Upper
164 100
162 103.5 85.4 128.0
160 48.9 39.2 58.8



#42
2,4,6-Tribromophenol
Concen: 131.568 ng
RT: 15.962 min Scan# 2191
Delta R.T. -0.011 min
Lab File: BG064304.D
Acq: 8 Sep 2025 12:55

Tgt Ion:330 Resp: 142009
Ion Ratio Lower Upper
330 100
332 99.1 77.6 116.4
141 35.8 29.8 44.6

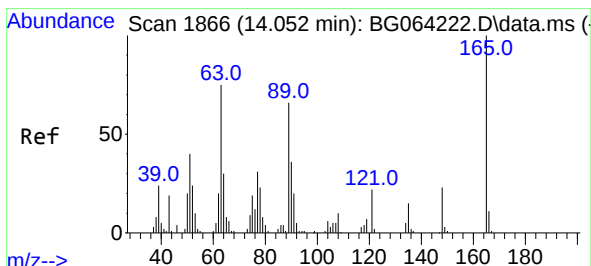
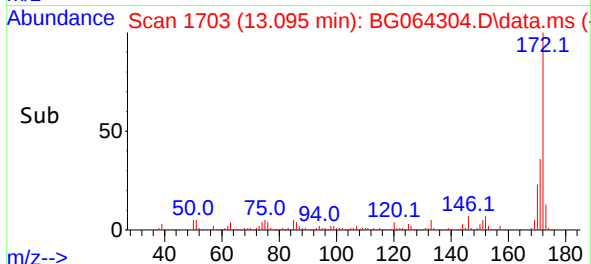
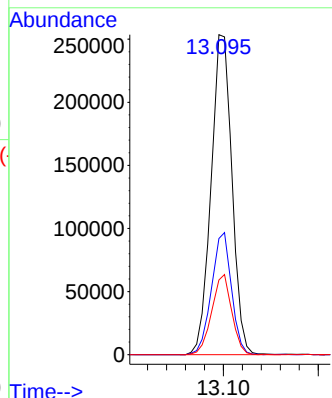
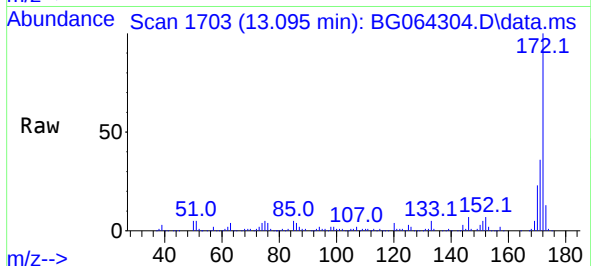




#45
2-Fluorobiphenyl
Concen: 72.575 ng
RT: 13.095 min Scan# 11
Delta R.T. -0.017 min
Lab File: BG064304.D
Acq: 8 Sep 2025 12:55

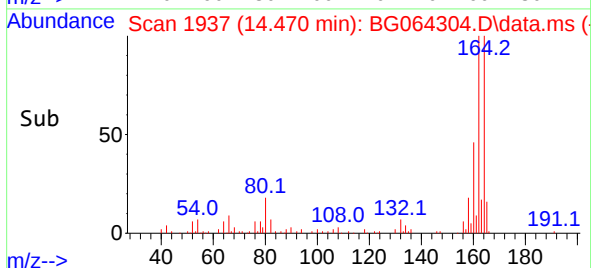
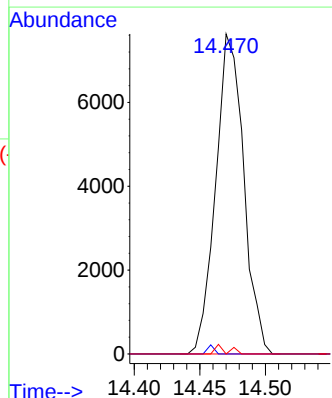
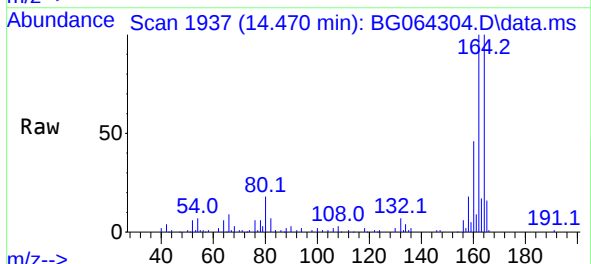
Instrument :
BNA_G
ClientSampleId :
TP-1

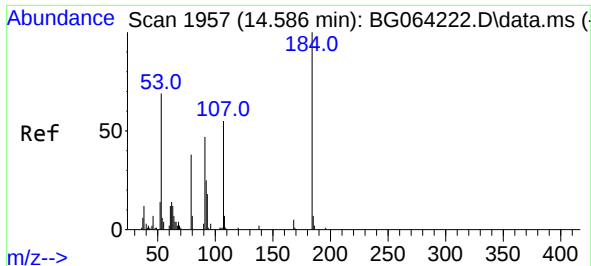
Tgt Ion:172 Resp: 387464
Ion Ratio Lower Upper
172 100
171 36.3 28.7 43.1
170 23.3 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 9.467 ng
RT: 14.470 min Scan# 1937
Delta R.T. 0.412 min
Lab File: BG064304.D
Acq: 8 Sep 2025 12:55

Tgt Ion:165 Resp: 11305
Ion Ratio Lower Upper
165 100
63 0.0 60.3 90.5#
89 0.0 52.9 79.3#

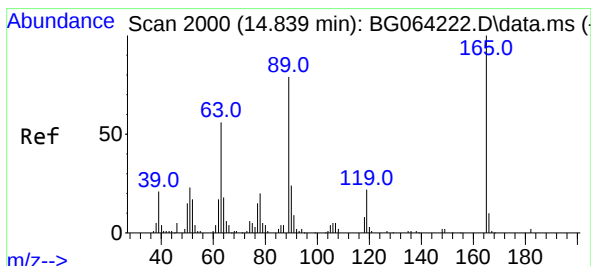
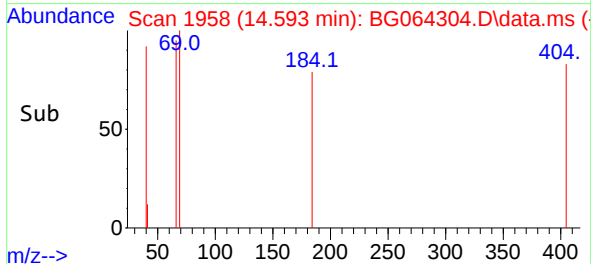
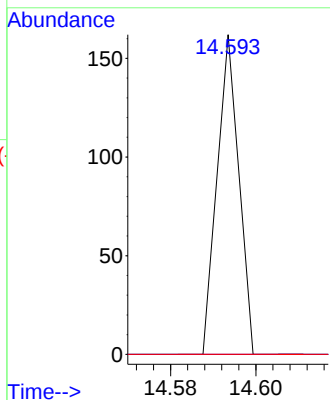
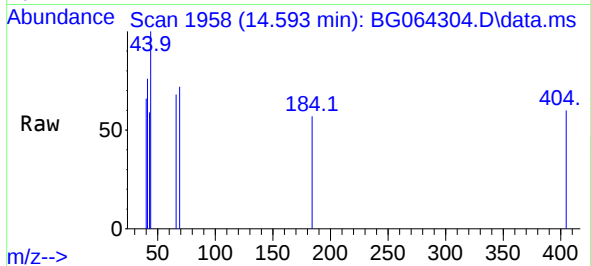




#54
2,4-Dinitrophenol
Concen: 5.719 ng
RT: 14.593 min Scan# 1958
Delta R.T. 0.001 min
Lab File: BG064304.D
Acq: 8 Sep 2025 12:55

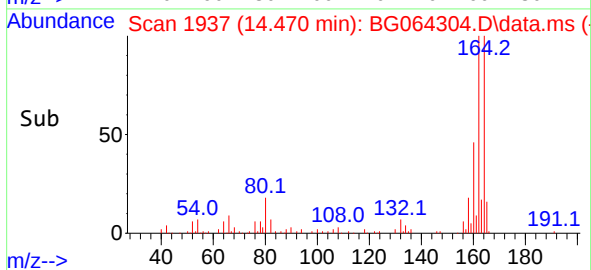
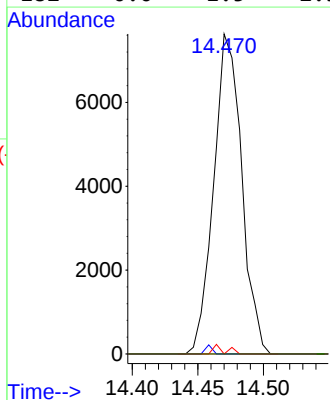
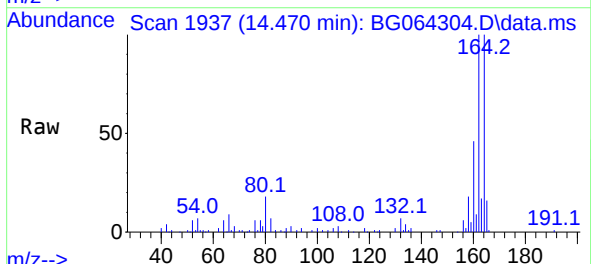
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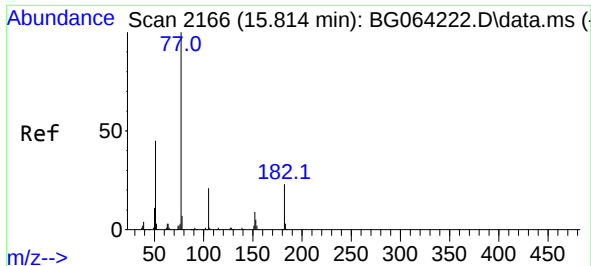
Tgt Ion:184 Resp: 57
Ion Ratio Lower Upper
184 100
63 0.0 60.1 90.1#
154 0.0 59.8 89.8#



#57
2,4-Dinitrotoluene
Concen: 6.261 ng
RT: 14.470 min Scan# 1937
Delta R.T. -0.375 min
Lab File: BG064304.D
Acq: 8 Sep 2025 12:55

Tgt Ion:165 Resp: 11305
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#

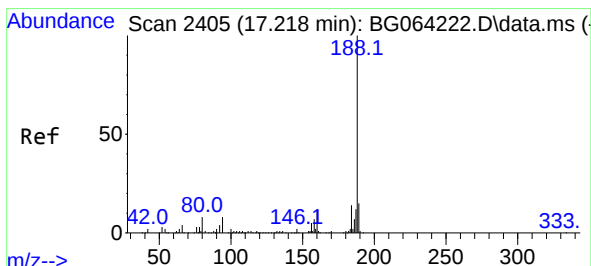
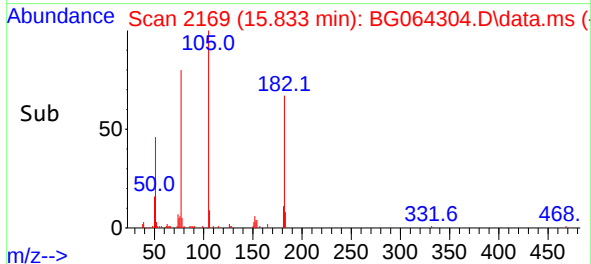
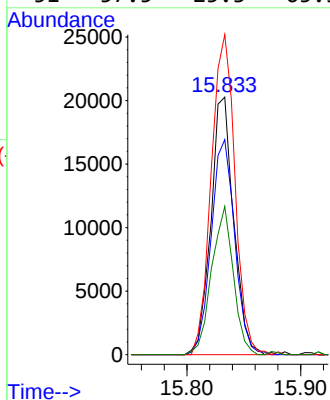
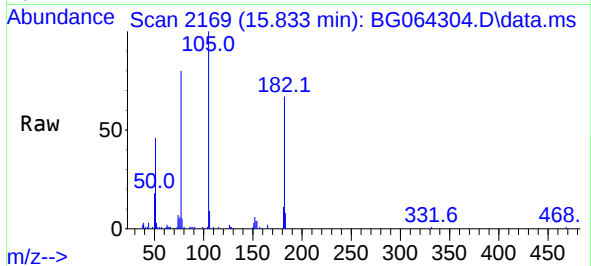




#63
Azobenzene
Concen: 4.819 ng
RT: 15.833 min Scan# 2169
Delta R.T. 0.013 min
Lab File: BG064304.D
Acq: 8 Sep 2025 12:55

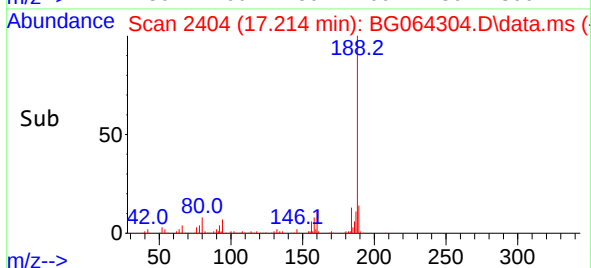
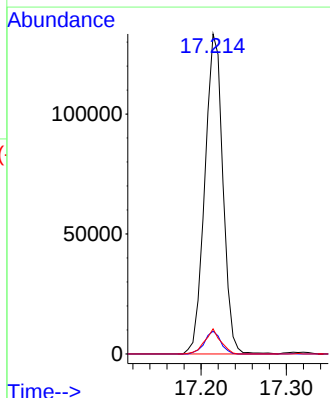
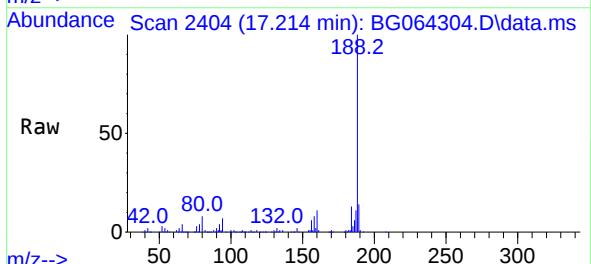
Instrument :
BNA_G
ClientSampleId :
TP-1

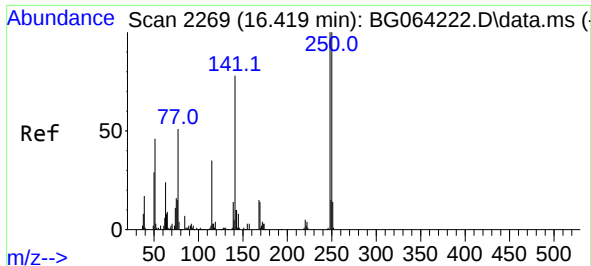
Tgt Ion: 77	Resp: 28355
Ion Ratio	Lower Upper
77 100	
182 83.5	3.3 43.3#
105 124.2	0.6 40.6#
51 57.5	25.3 65.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.214 min Scan# 2404
Delta R.T. -0.011 min
Lab File: BG064304.D
Acq: 8 Sep 2025 12:55

Tgt Ion: 188	Resp: 195916
Ion Ratio	Lower Upper
188 100	
94 7.1	6.2 9.4
80 7.8	6.8 10.2

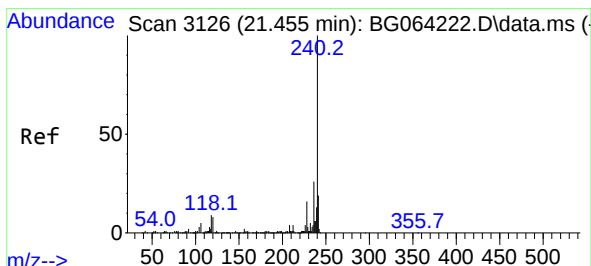
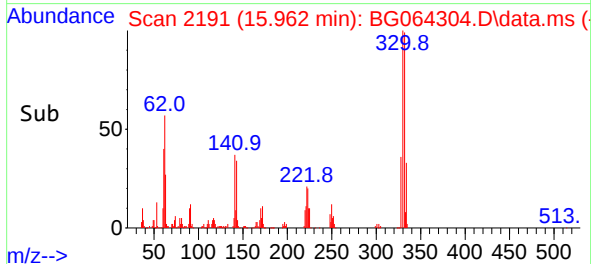
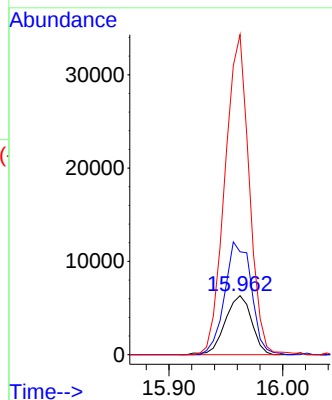
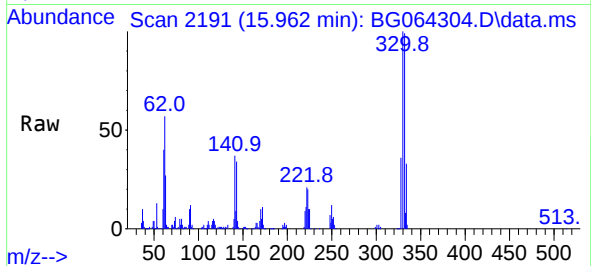




#67
4-Bromophenyl-phenylether
Concen: 4.905 ng
RT: 15.962 min Scan# 21
Delta R.T. -0.457 min
Lab File: BG064304.D
Acq: 8 Sep 2025 12:55

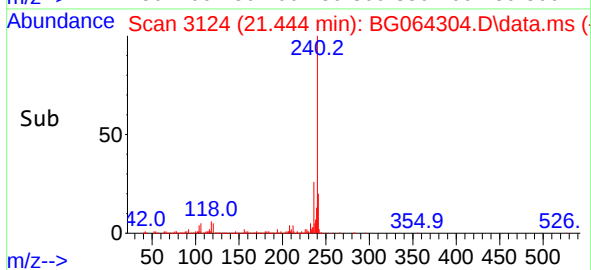
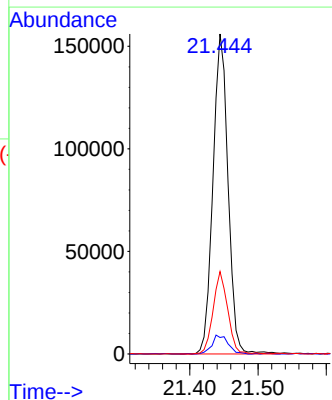
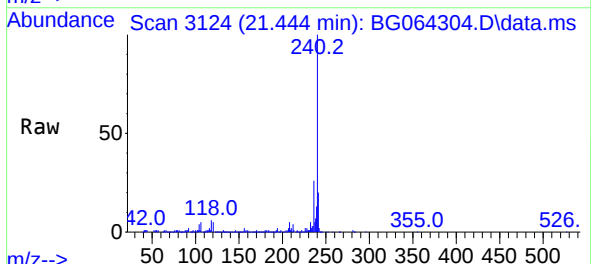
Instrument :
BNA_G
ClientSampleId :
TP-1

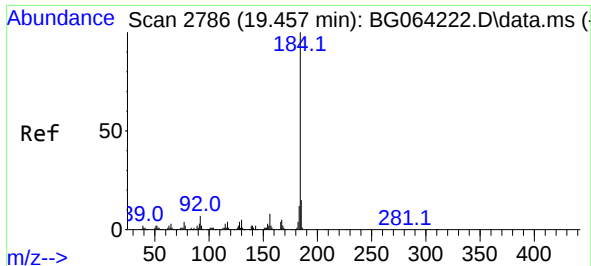
Tgt Ion:248 Resp: 10207
Ion Ratio Lower Upper
248 100
250 174.3 80.2 120.4#
141 542.4 62.4 93.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.444 min Scan# 3124
Delta R.T. -0.011 min
Lab File: BG064304.D
Acq: 8 Sep 2025 12:55

Tgt Ion:240 Resp: 240083
Ion Ratio Lower Upper
240 100
120 5.2 6.2 9.4#
236 25.7 20.5 30.7

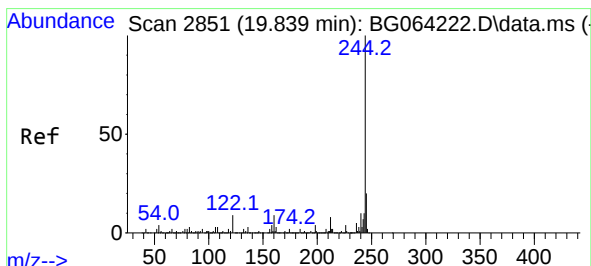
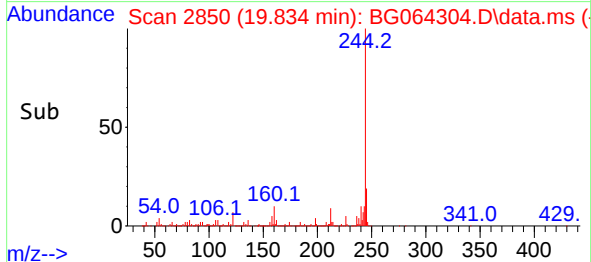
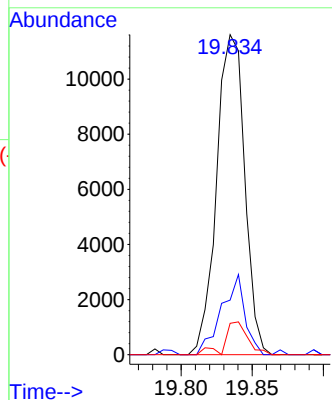
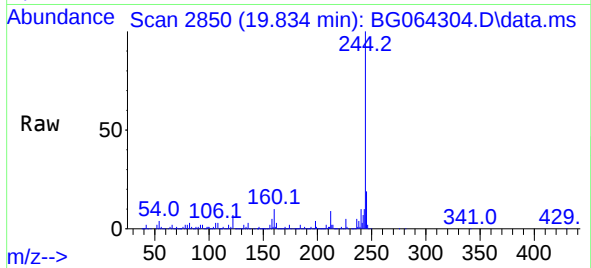




#77
Benzidine
Concen: 3.160 ng
RT: 19.834 min Scan# 2850
Delta R.T. 0.377 min
Lab File: BG064304.D
Acq: 8 Sep 2025 12:55

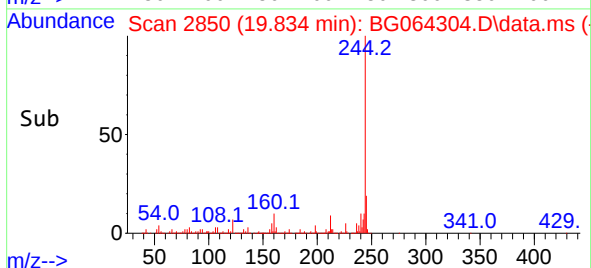
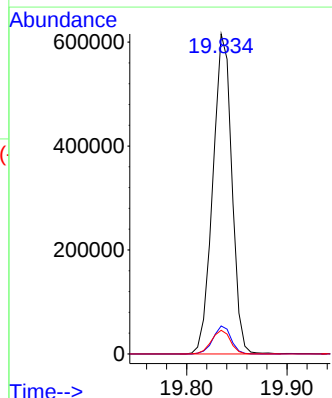
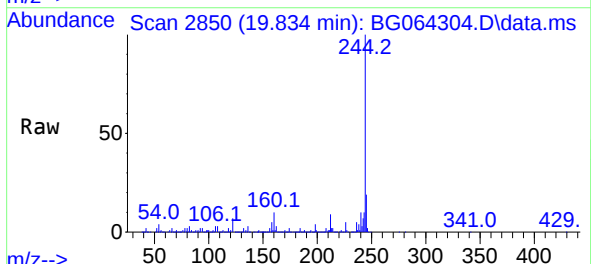
Instrument :
BNA_G
ClientSampleId :
TP-1

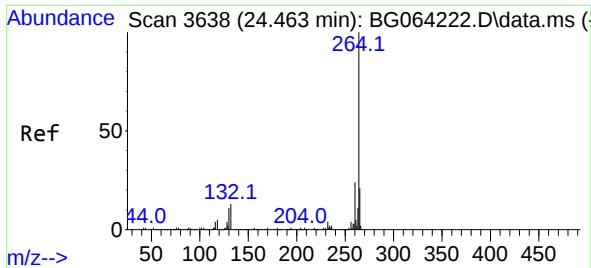
Tgt Ion:	184	Resp:	15962
Ion Ratio	Lower	Upper	
184	100		
185	17.0	11.7	17.5
183	9.8	9.7	14.5



#79
Terphenyl-d14
Concen: 70.279 ng
RT: 19.834 min Scan# 2850
Delta R.T. -0.011 min
Lab File: BG064304.D
Acq: 8 Sep 2025 12:55

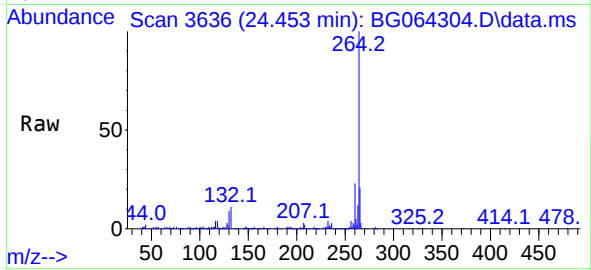
Tgt Ion:	244	Resp:	808719
Ion Ratio	Lower	Upper	
244	100		
212	8.8	6.6	10.0
122	7.4	7.0	10.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.453 min Scan# 30
 Delta R.T. -0.011 min
 Lab File: BG064304.D
 Acq: 8 Sep 2025 12:55

Instrument :
 BNA_G
 ClientSampleId :
 TP-1



Tgt Ion:264 Resp: 263408
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.9 28.3
 265 21.2 16.7 25.1

