

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103025\
 Data File : BG064644.D
 Acq On : 30 Oct 2025 17:04
 Operator : RC/JU
 Sample : PB170323TB
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB170295TB

Quant Time: Oct 30 17:50:17 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 16:40:26 2025
 Response via : Initial Calibration

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

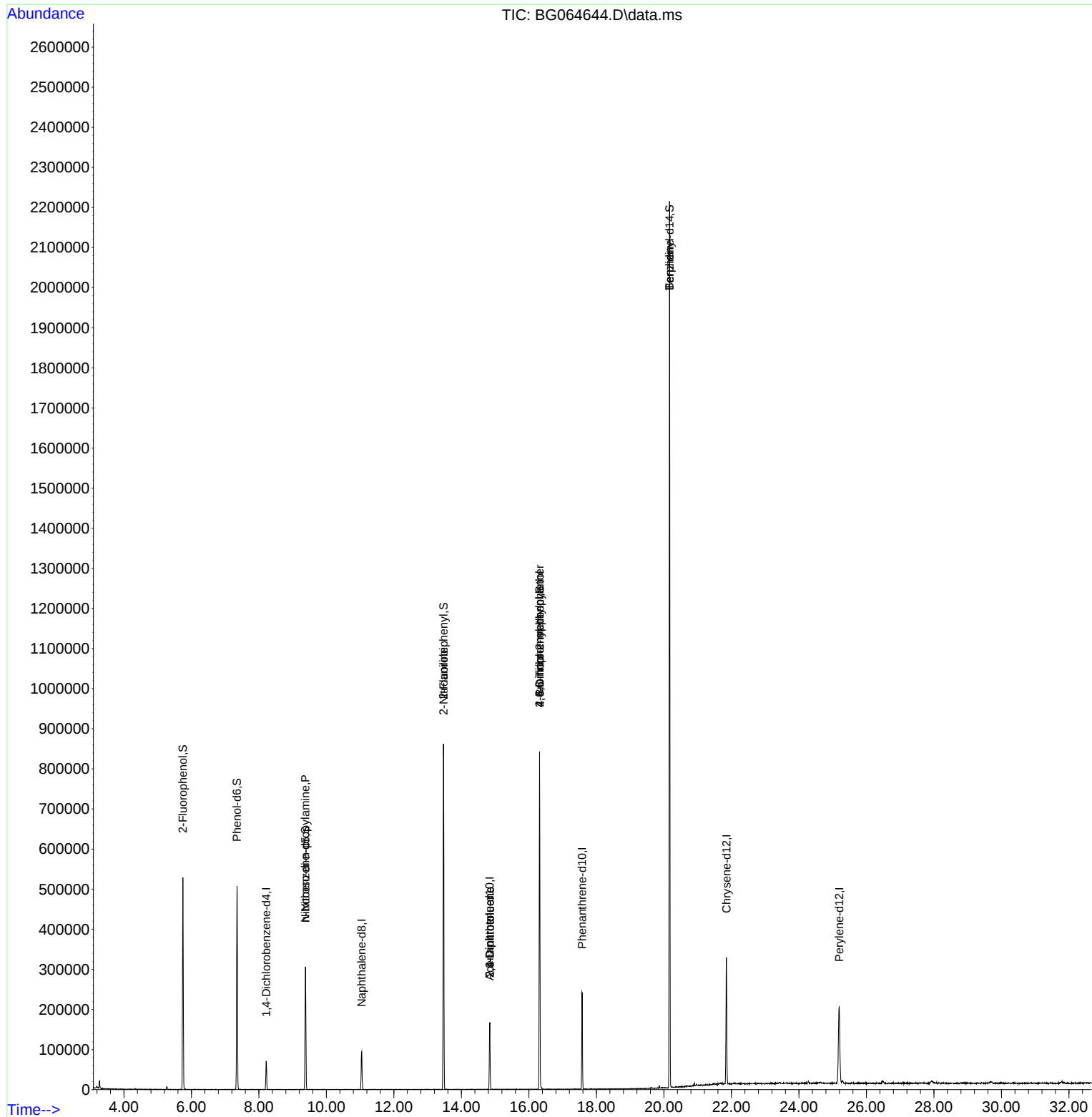
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.214	152	19965	20.000	ng	0.00
21) Naphthalene-d8	11.046	136	78183	20.000	ng	# 0.00
39) Acenaphthene-d10	14.835	164	62075	20.000	ng	0.00
64) Phenanthrene-d10	17.579	188	158808	20.000	ng	# 0.00
76) Chrysene-d12	21.851	240	209664	20.000	ng	#-0.01
86) Perylene-d12	25.194	264	235604	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.746	112	196106	164.870	ng	0.00
7) Phenol-d6	7.350	99	263719	161.574	ng	0.00
23) Nitrobenzene-d5	9.377	82	170725	131.156	ng	-0.01
42) 2,4,6-Tribromophenol	16.316	330	178774	199.540	ng	0.00
45) 2-Fluorobiphenyl	13.466	172	453382	110.707	ng	-0.01
79) Terphenyl-d14	20.164	244	1172142	105.503	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.377	70	23374	20.722	ng	# 73
48) 2-Nitroaniline	13.472	65	919	3.991	ng	# 3
51) 2,6-Dinitrotoluene	14.841	165	7764	12.440	ng	# 17
57) 2,4-Dinitrotoluene	14.841	165	7764	9.051	ng	# 20
65) 4,6-Dinitro-2-methylph...	16.316	198	432	5.975	ng	# 16
67) 4-Bromophenyl-phenylether	16.316	248	11179	5.940	ng	# 1
77) Benzidine	20.164	184	17344	3.692	ng	# 91

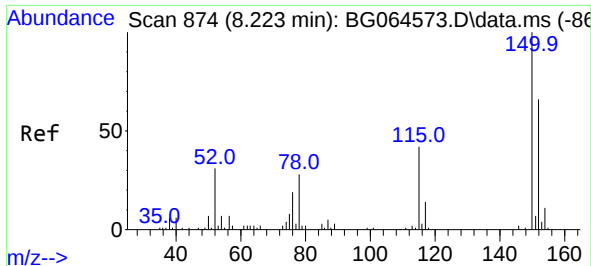
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103025\
Data File : BG064644.D
Acq On : 30 Oct 2025 17:04
Operator : RC/JU
Sample : PB170323TB
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170295TB

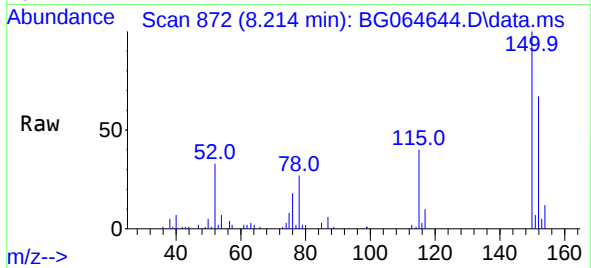
Quant Time: Oct 30 17:50:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration



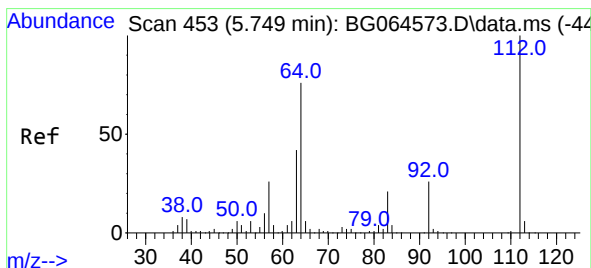
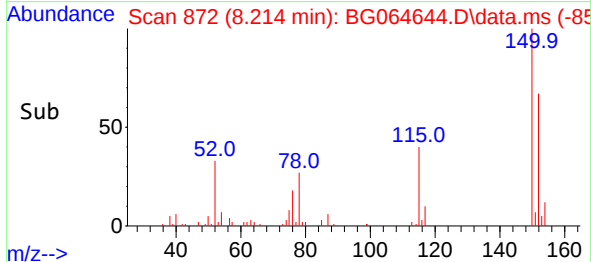
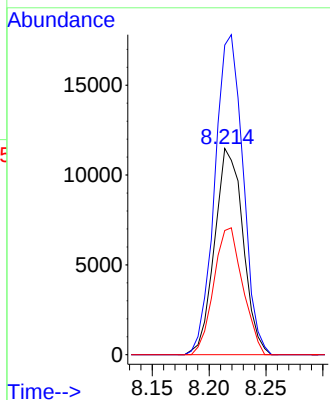


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.214 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG064644.D
Acq: 30 Oct 2025 17:04

Instrument :
BNA_G
ClientSampleId :
PB170295TB

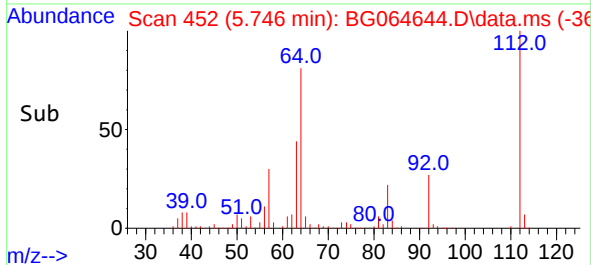
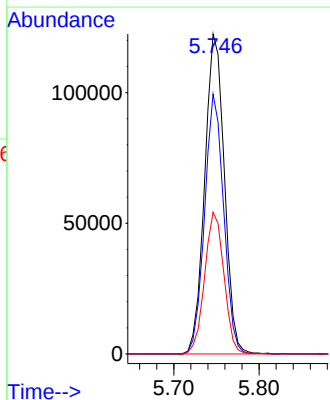
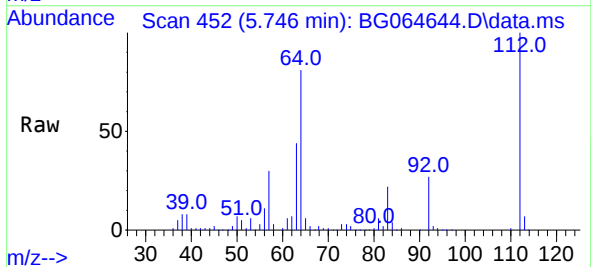


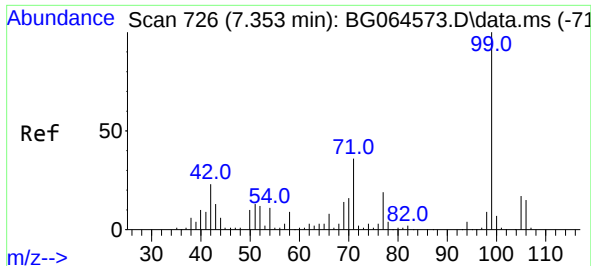
Tgt Ion:152 Resp: 19965
Ion Ratio Lower Upper
152 100
150 150.2 122.2 183.4
115 60.2 50.8 76.2



#5
2-Fluorophenol
Concen: 164.870 ng
RT: 5.746 min Scan# 452
Delta R.T. -0.001 min
Lab File: BG064644.D
Acq: 30 Oct 2025 17:04

Tgt Ion:112 Resp: 196106
Ion Ratio Lower Upper
112 100
64 81.2 60.7 91.1
63 44.3 33.4 50.0

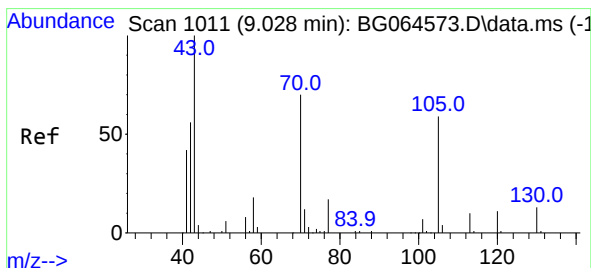
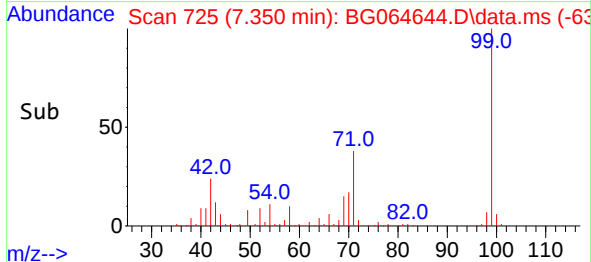
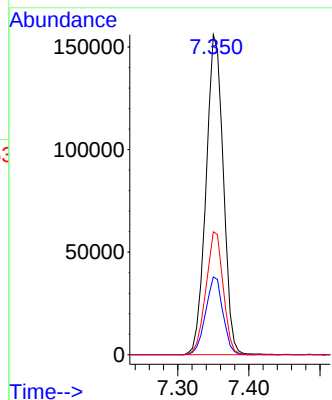
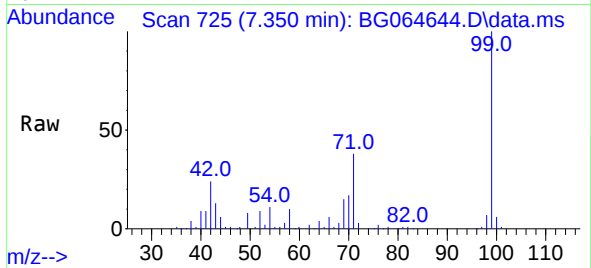




#7
Phenol-d6
Concen: 161.574 ng
RT: 7.350 min Scan# 71
Delta R.T. -0.007 min
Lab File: BG064644.D
Acq: 30 Oct 2025 17:04

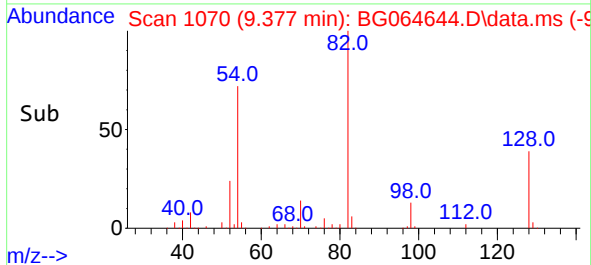
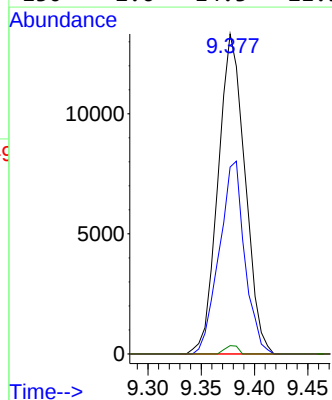
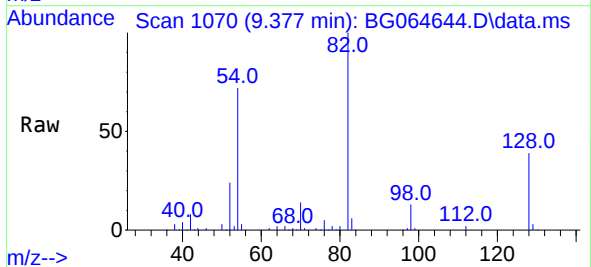
Instrument :
BNA_G
ClientSampleId :
PB170295TB

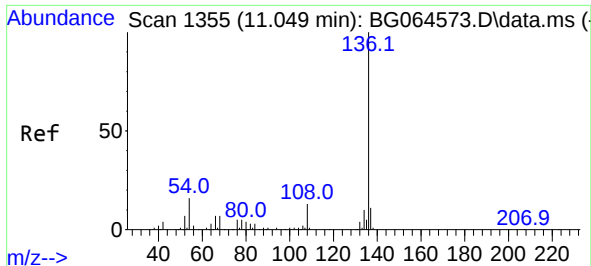
Tgt Ion: 99 Resp: 263719
Ion Ratio Lower Upper
99 100
42 24.3 18.3 27.5
71 38.4 28.6 43.0



#19
n-Nitroso-di-n-propylamine
Concen: 20.722 ng
RT: 9.377 min Scan# 1070
Delta R.T. 0.346 min
Lab File: BG064644.D
Acq: 30 Oct 2025 17:04

Tgt Ion: 70 Resp: 23374
Ion Ratio Lower Upper
70 100
42 58.4 65.2 97.8#
101 0.0 7.9 11.9#
130 2.6 14.3 21.5#

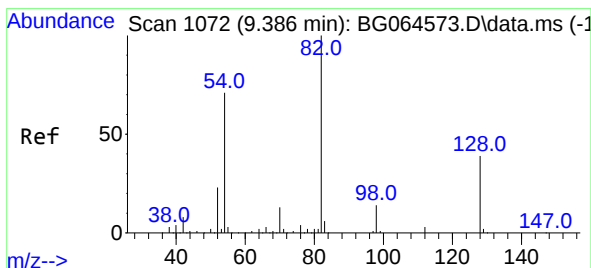
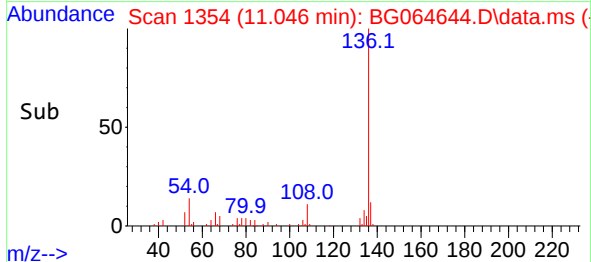
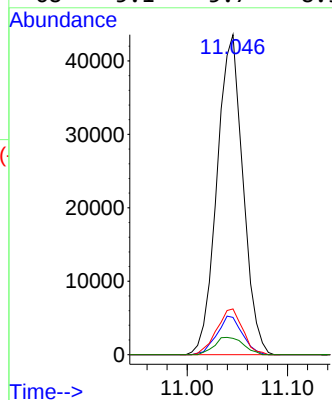
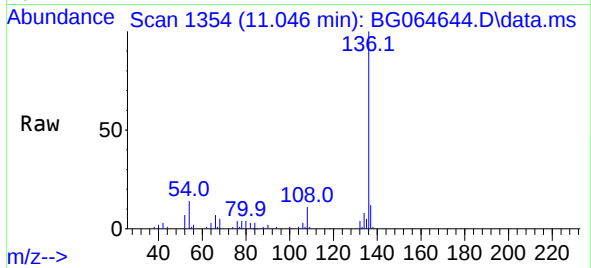




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.046 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG064644.D
Acq: 30 Oct 2025 17:04

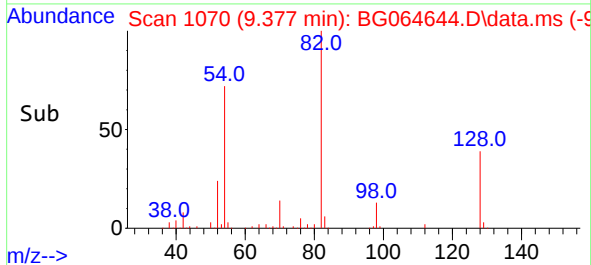
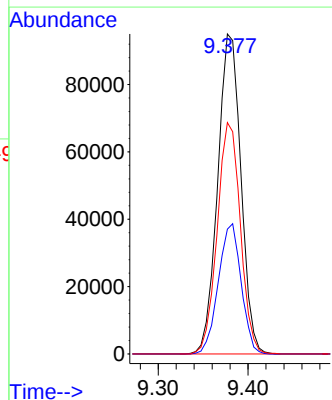
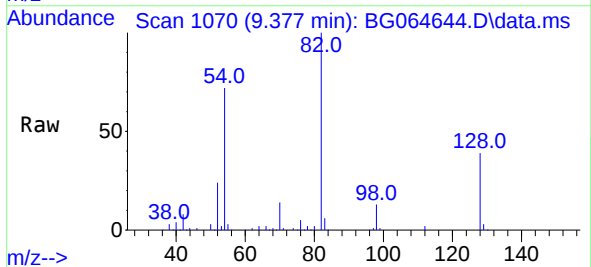
Instrument :
BNA_G
ClientSampleId :
PB170295TB

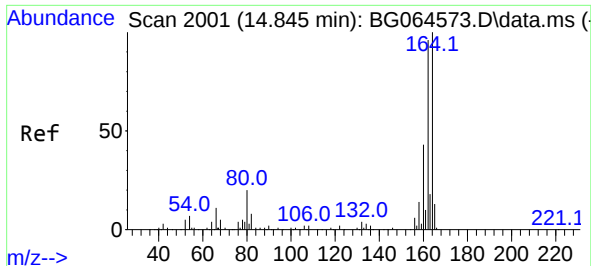
Tgt Ion:	136	Resp:	78183
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.2	13.8
54	14.3	12.6	19.0
68	5.1	5.7	8.5



#23
Nitrobenzene-d5
Concen: 131.156 ng
RT: 9.377 min Scan# 1070
Delta R.T. -0.013 min
Lab File: BG064644.D
Acq: 30 Oct 2025 17:04

Tgt Ion:	82	Resp:	170725
Ion	Ratio	Lower	Upper
82	100		
128	39.0	31.3	46.9
54	72.3	56.6	84.8

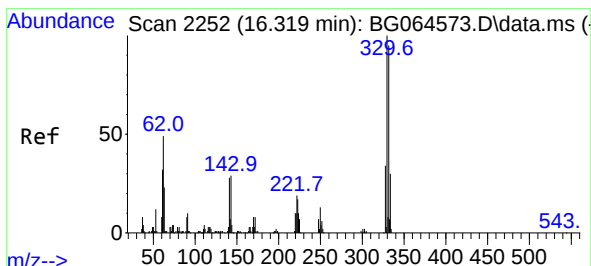
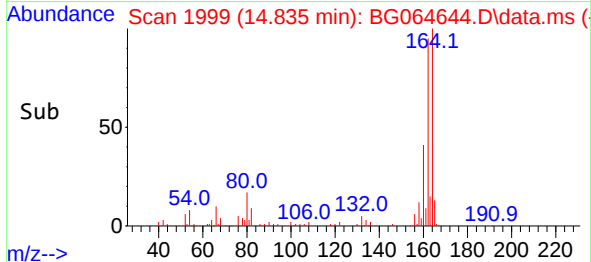
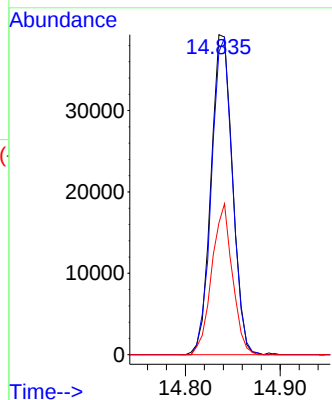
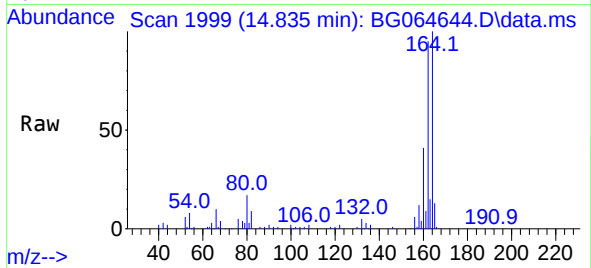




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.835 min Scan# 1999
Delta R.T. -0.007 min
Lab File: BG064644.D
Acq: 30 Oct 2025 17:04

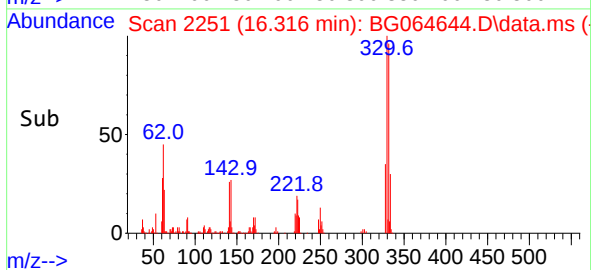
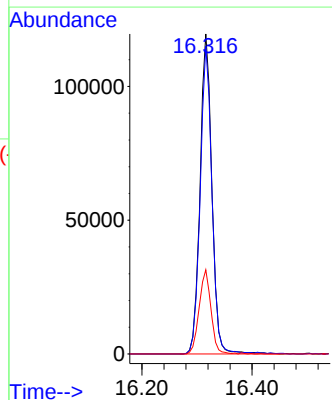
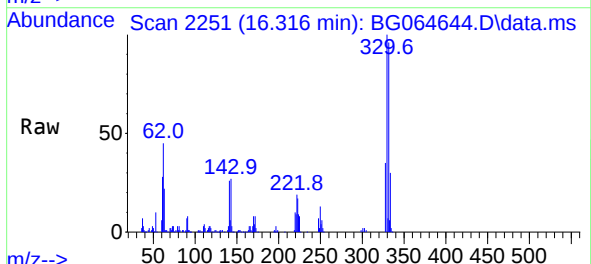
Instrument :
BNA_G
ClientSampleId :
PB170295TB

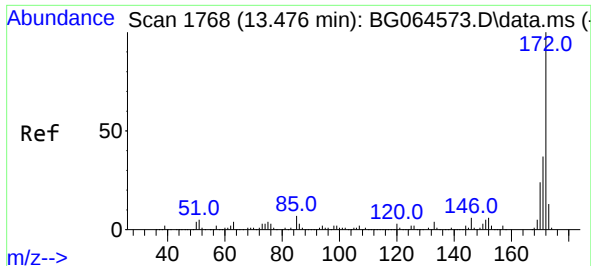
Tgt Ion:164 Resp: 62075
Ion Ratio Lower Upper
164 100
162 94.7 77.0 115.6
160 41.1 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 199.540 ng
RT: 16.316 min Scan# 2251
Delta R.T. -0.007 min
Lab File: BG064644.D
Acq: 30 Oct 2025 17:04

Tgt Ion:330 Resp: 178774
Ion Ratio Lower Upper
330 100
332 95.2 78.0 117.0
141 26.2 21.8 32.6

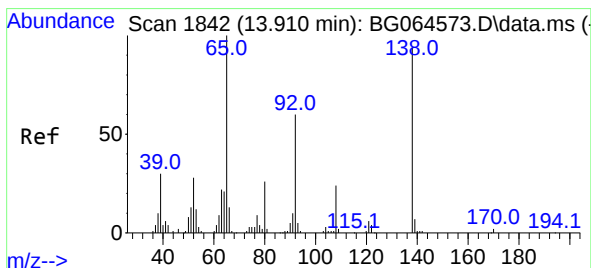
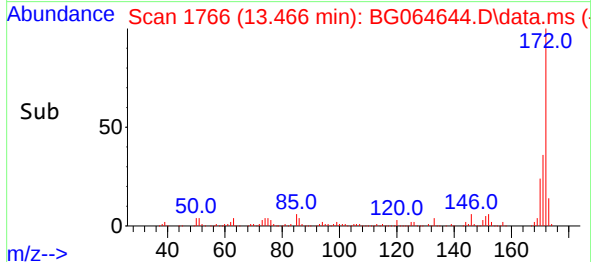
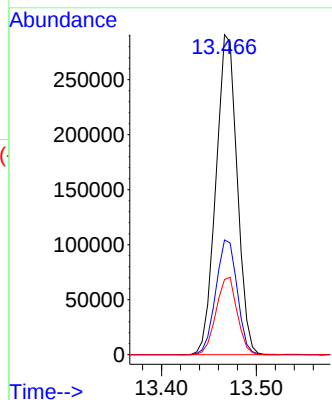
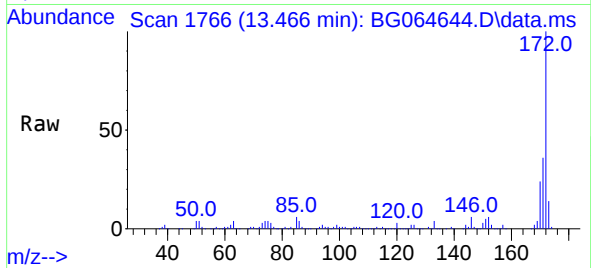




#45
2-Fluorobiphenyl
Concen: 110.707 ng
RT: 13.466 min Scan# 1766
Delta R.T. -0.013 min
Lab File: BG064644.D
Acq: 30 Oct 2025 17:04

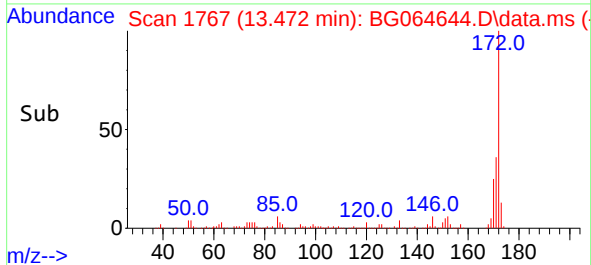
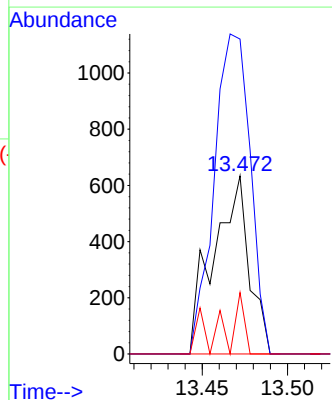
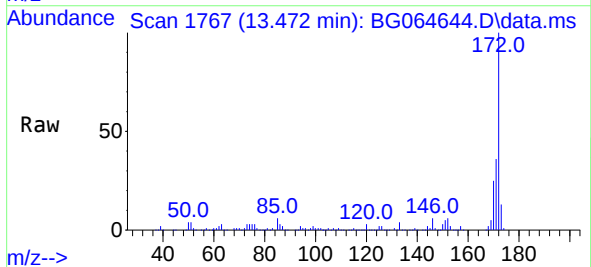
Instrument :
BNA_G
ClientSampleId :
PB170295TB

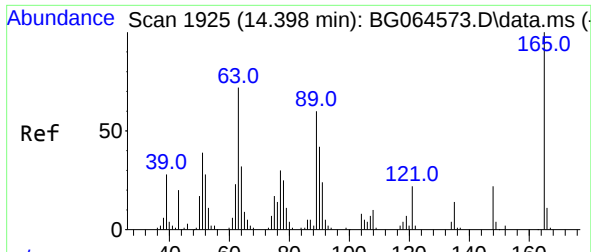
Tgt Ion:172 Resp: 453382
Ion Ratio Lower Upper
172 100
171 35.8 29.4 44.0
170 23.5 19.1 28.7



#48
2-Nitroaniline
Concen: 3.991 ng
RT: 13.472 min Scan# 1767
Delta R.T. -0.442 min
Lab File: BG064644.D
Acq: 30 Oct 2025 17:04

Tgt Ion: 65 Resp: 919
Ion Ratio Lower Upper
65 100
92 176.8 48.3 72.5#
138 34.5 74.9 112.3#

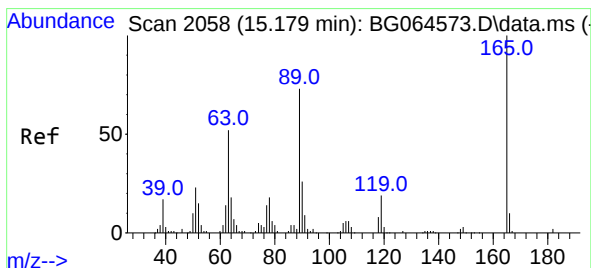
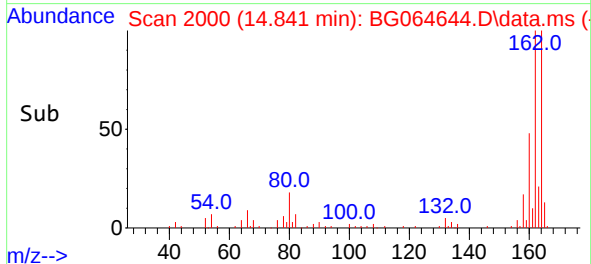
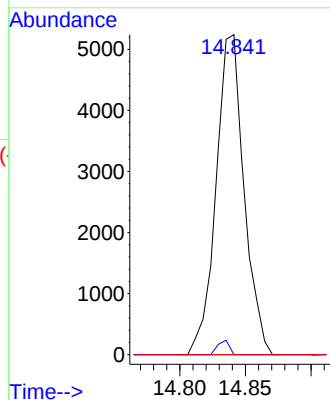
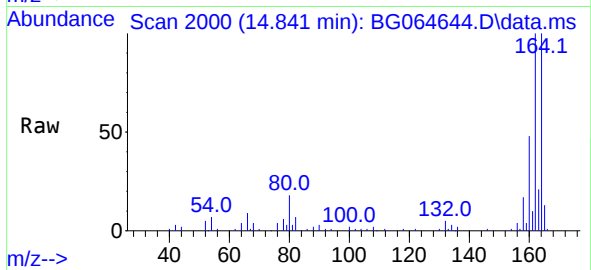




#51
2,6-Dinitrotoluene
Concen: 12.440 ng
RT: 14.841 min Scan# 2000
Delta R.T. 0.439 min
Lab File: BG064644.D
Acq: 30 Oct 2025 17:04

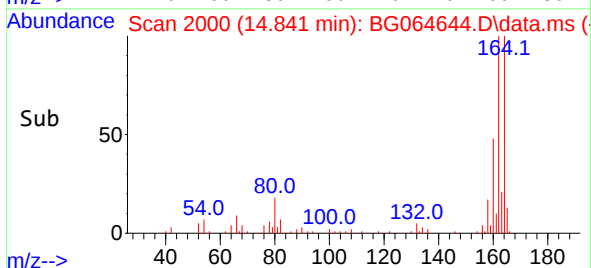
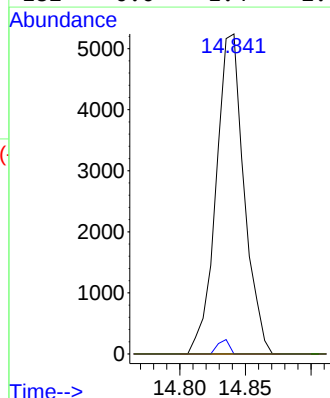
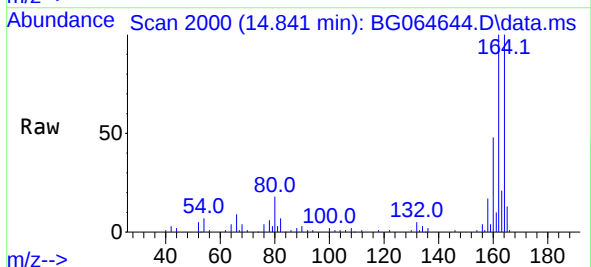
Instrument :
BNA_G
ClientSampleId :
PB170295TB

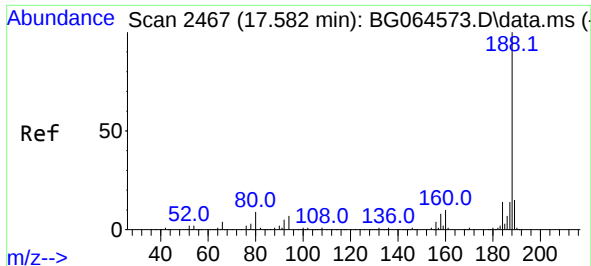
Tgt Ion:165 Resp: 7764
Ion Ratio Lower Upper
165 100
63 0.0 57.4 86.0#
89 0.0 47.8 71.8#



#57
2,4-Dinitrotoluene
Concen: 9.051 ng
RT: 14.841 min Scan# 2000
Delta R.T. -0.348 min
Lab File: BG064644.D
Acq: 30 Oct 2025 17:04

Tgt Ion:165 Resp: 7764
Ion Ratio Lower Upper
165 100
63 0.0 41.8 62.8#
89 0.0 58.1 87.1#
182 0.0 1.4 2.0#

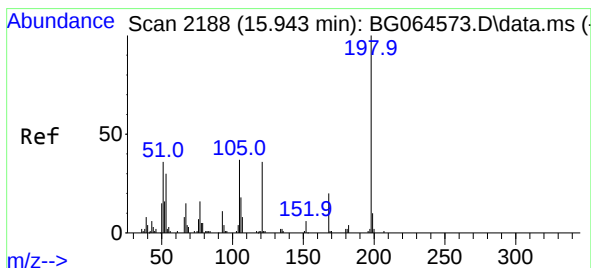
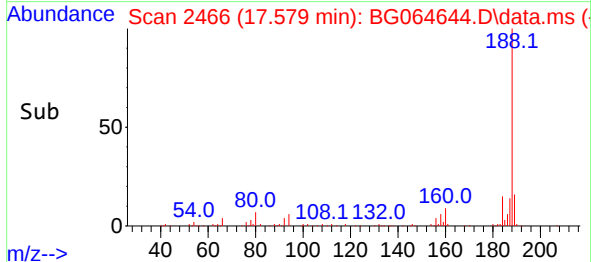
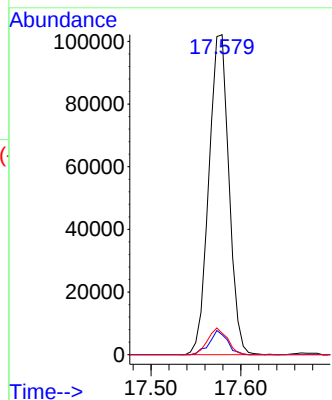
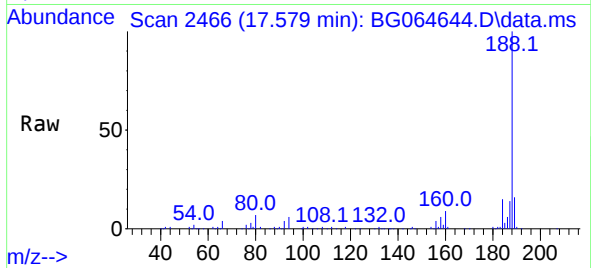




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.579 min Scan# 2467
Delta R.T. -0.001 min
Lab File: BG064644.D
Acq: 30 Oct 2025 17:04

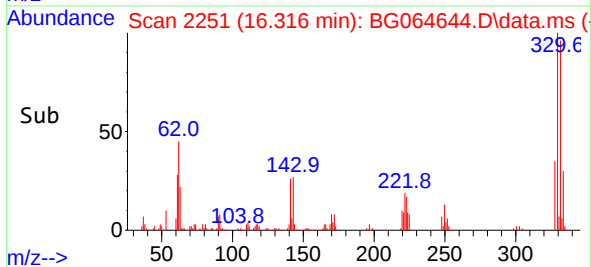
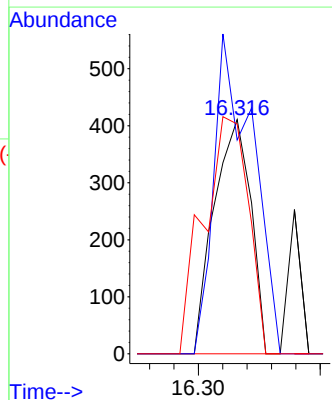
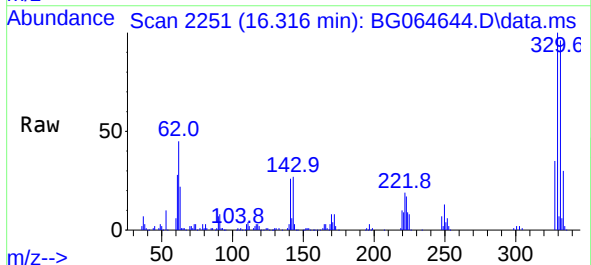
Instrument :
BNA_G
ClientSampleId :
PB170295TB

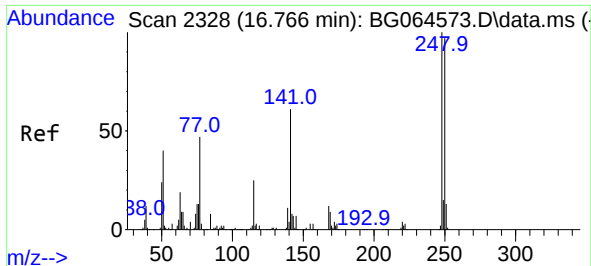
Tgt Ion:188 Resp: 158808
Ion Ratio Lower Upper
188 100
94 6.3 5.7 8.5
80 6.7 6.8 10.2#



#65
4,6-Dinitro-2-methylphenol
Concen: 5.975 ng
RT: 16.316 min Scan# 2251
Delta R.T. 0.369 min
Lab File: BG064644.D
Acq: 30 Oct 2025 17:04

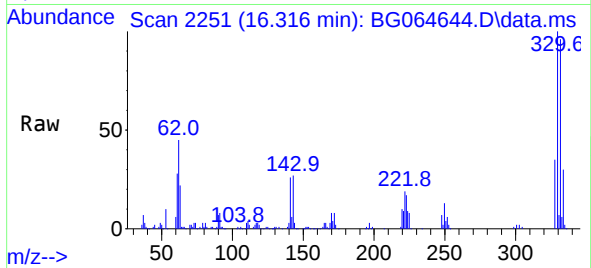
Tgt Ion:198 Resp: 432
Ion Ratio Lower Upper
198 100
51 91.2 24.7 64.7#
105 98.1 18.0 58.0#



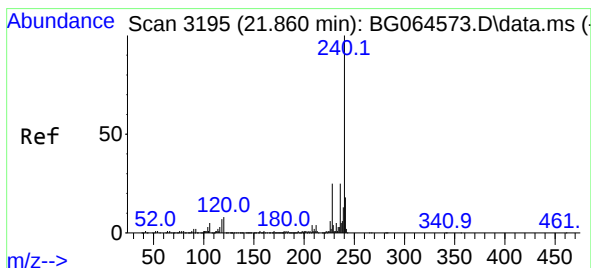
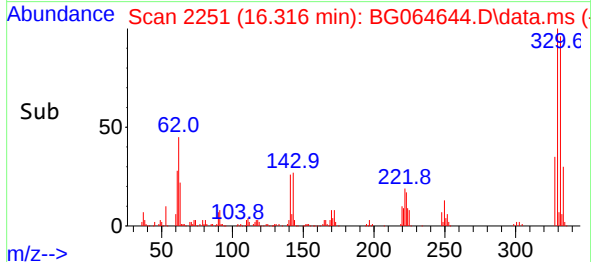
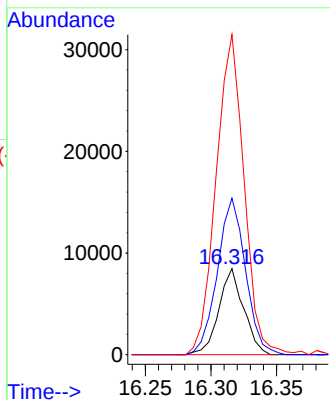


#67
4-Bromophenyl-phenylether
Concen: 5.940 ng
RT: 16.316 min Scan# 211
Delta R.T. -0.453 min
Lab File: BG064644.D
Acq: 30 Oct 2025 17:04

Instrument :
BNA_G
ClientSampleId :
PB170295TB

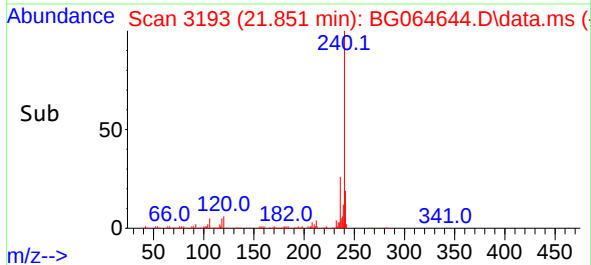
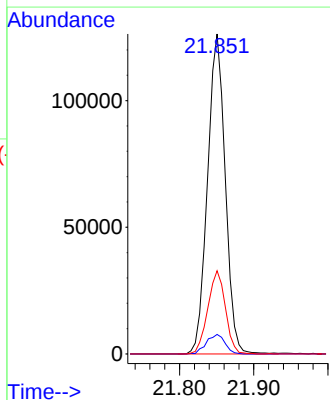
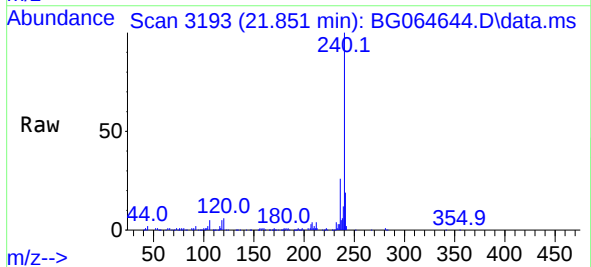


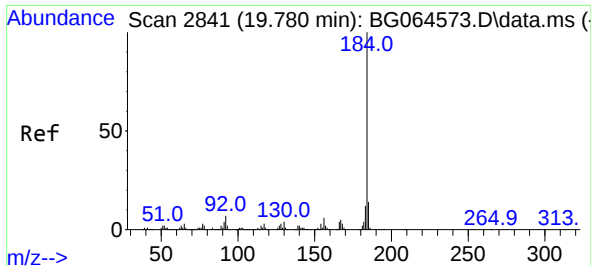
Tgt Ion:248 Resp: 11179
Ion Ratio Lower Upper
248 100
250 185.1 77.7 116.5#
141 288.2 48.6 72.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.851 min Scan# 3193
Delta R.T. -0.013 min
Lab File: BG064644.D
Acq: 30 Oct 2025 17:04

Tgt Ion:240 Resp: 209664
Ion Ratio Lower Upper
240 100
120 6.1 6.5 9.7#
236 26.0 20.2 30.2

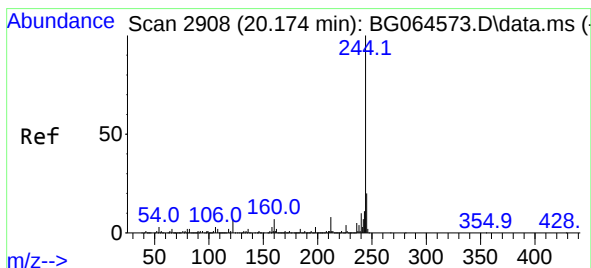
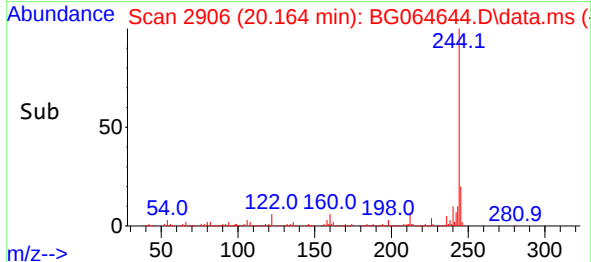
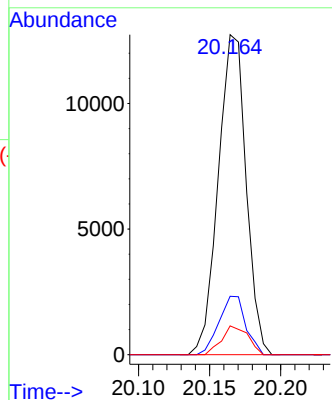
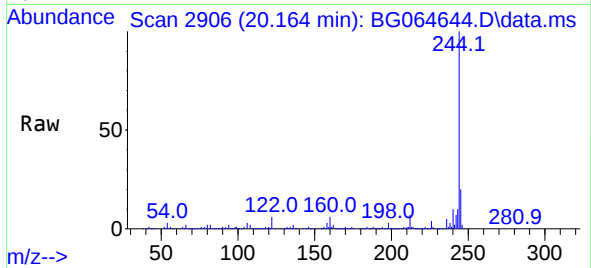




#77
Benzidine
Concen: 3.692 ng
RT: 20.164 min Scan# 2906
Delta R.T. 0.381 min
Lab File: BG064644.D
Acq: 30 Oct 2025 17:04

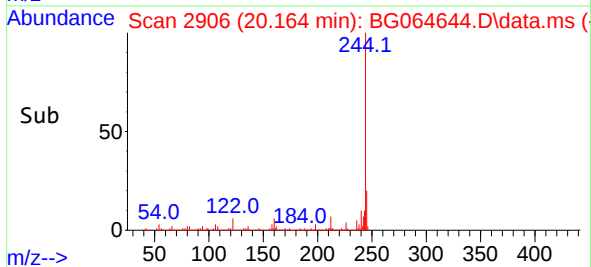
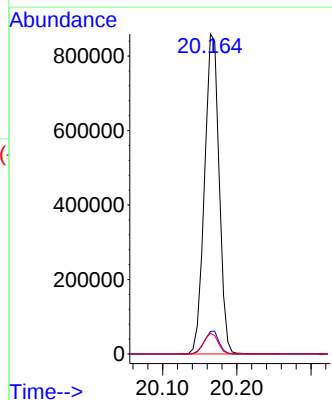
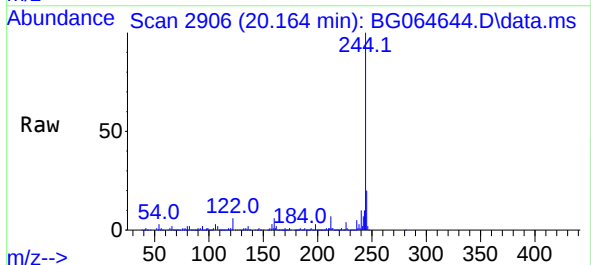
Instrument :
BNA_G
ClientSampleId :
PB170295TB

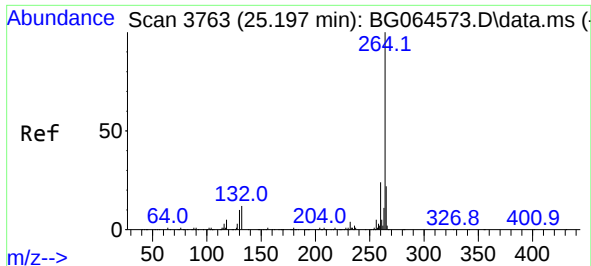
Tgt Ion:184 Resp: 17344
Ion Ratio Lower Upper
184 100
185 18.3 11.4 17.2#
183 9.0 9.4 14.2#



#79
Terphenyl-d14
Concen: 105.503 ng
RT: 20.164 min Scan# 2906
Delta R.T. -0.013 min
Lab File: BG064644.D
Acq: 30 Oct 2025 17:04

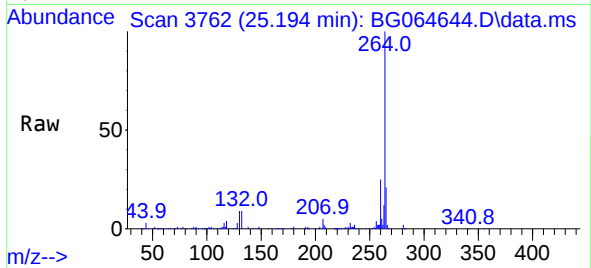
Tgt Ion:244 Resp: 1172142
Ion Ratio Lower Upper
244 100
212 7.0 6.1 9.1
122 6.4 5.6 8.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.194 min Scan# 31
 Delta R.T. -0.007 min
 Lab File: BG064644.D
 Acq: 30 Oct 2025 17:04

Instrument :
 BNA_G
 ClientSampleId :
 PB170295TB



Tgt Ion:264 Resp: 235604

Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.0	28.4
265	21.5	17.6	26.4

