

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
 Data File : BG064587.D
 Acq On : 27 Oct 2025 14:41
 Operator : RC/JU
 Sample : PB170246BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB170246BL

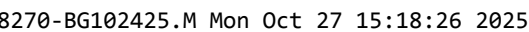
Quant Time: Oct 27 15:18:16 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 16:40:26 2025
 Response via : Initial Calibration

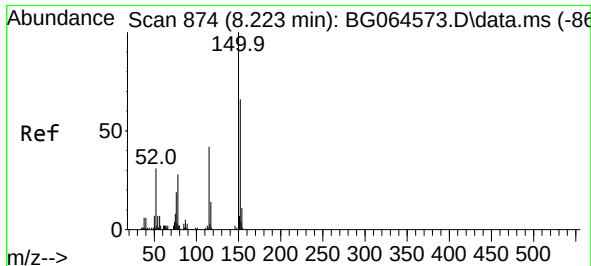
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.220	152	42400	20.000	ng	0.00
21) Naphthalene-d8	11.046	136	160302	20.000	ng	0.00
39) Acenaphthene-d10	14.842	164	130540	20.000	ng	0.00
64) Phenanthrene-d10	17.574	188	336474	20.000	ng	0.00
76) Chrysene-d12	21.851	240	365644	20.000	ng	-0.01
86) Perylene-d12	25.194	264	385076	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.747	112	416656	164.942	ng	0.00
7) Phenol-d6	7.351	99	488227	140.850	ng	0.00
23) Nitrobenzene-d5	9.384	82	279521	104.732	ng	0.00
42) 2,4,6-Tribromophenol	16.317	330	296769	157.514	ng	0.00
45) 2-Fluorobiphenyl	13.473	172	794180	92.215	ng	0.00
79) Terphenyl-d14	20.171	244	1828173	94.356	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.384	70	36027	15.039	ng	# 70
48) 2-Nitroaniline	13.473	65	1475	3.810	ng	# 1
51) 2,6-Dinitrotoluene	14.842	165	16860	12.742	ng	# 18
57) 2,4-Dinitrotoluene	14.842	165	16860	9.246	ng	# 21
65) 4,6-Dinitro-2-methylph...	16.317	198	796	5.903	ng	# 82
67) 4-Bromophenyl-phenylether	16.317	248	19776	4.960	ng	# 1
77) Benzidine	20.171	184	27791	3.392	ng	# 95

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

Quant Time: Oct 27 15:18:16 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

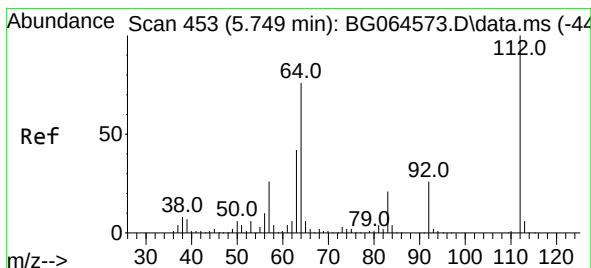
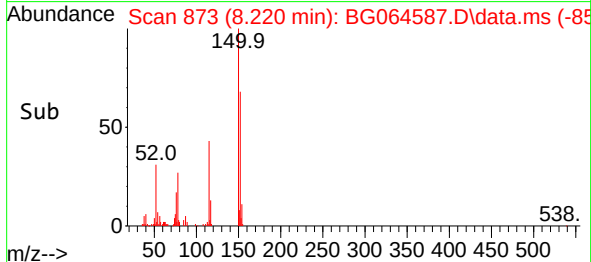
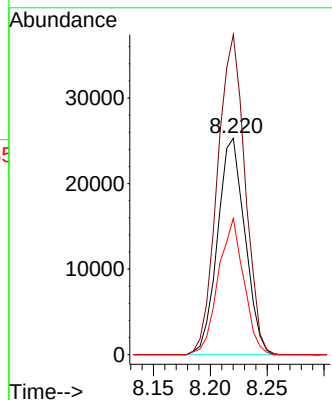
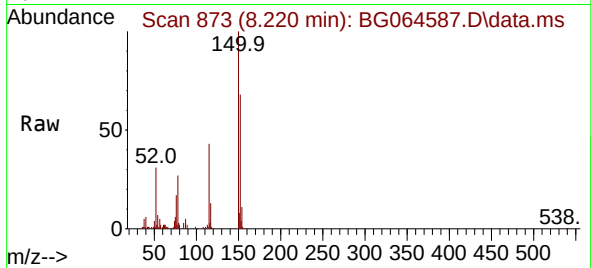




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.220 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG064587.D
Acq: 27 Oct 2025 14:41

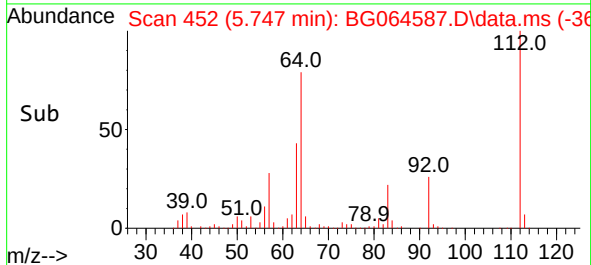
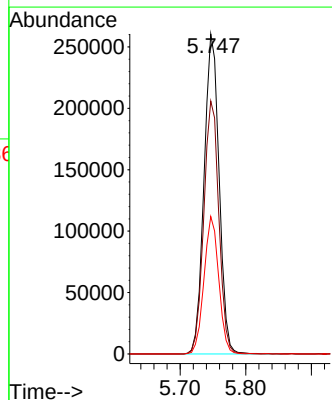
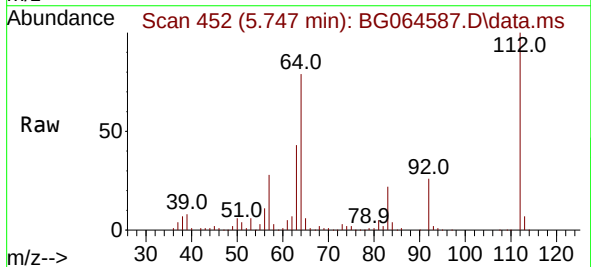
Instrument :
BNA_G
ClientSampleId :
PB170246BL

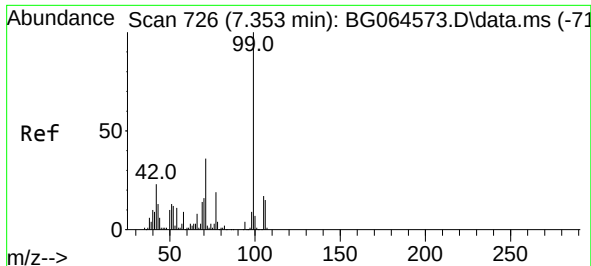
Tgt Ion:152 Resp: 42400
Ion Ratio Lower Upper
152 100
150 147.8 122.2 183.4
115 63.0 50.8 76.2



#5
2-Fluorophenol
Concen: 164.942 ng
RT: 5.747 min Scan# 452
Delta R.T. -0.000 min
Lab File: BG064587.D
Acq: 27 Oct 2025 14:41

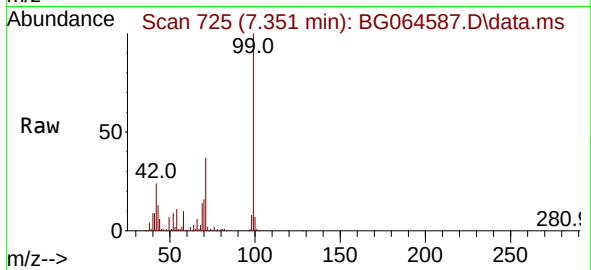
Tgt Ion:112 Resp: 416656
Ion Ratio Lower Upper
112 100
64 79.1 60.7 91.1
63 43.0 33.4 50.0



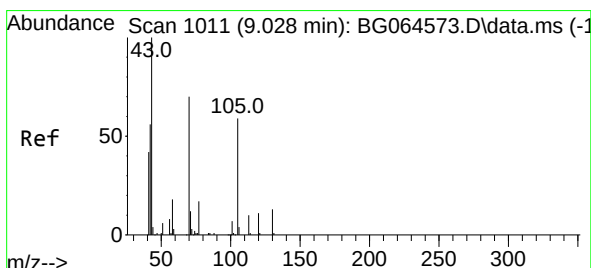
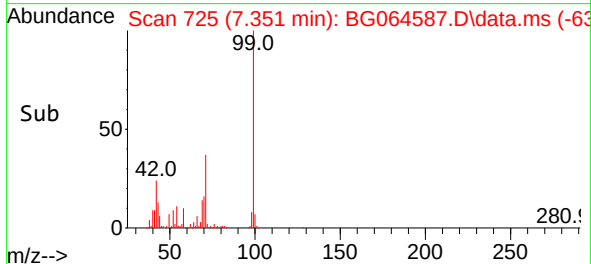
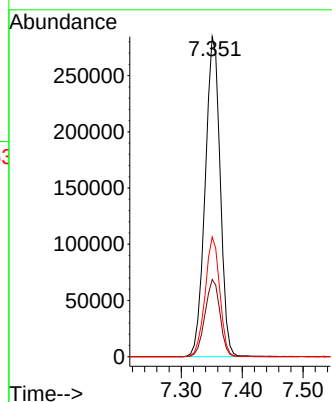


#7
Phenol-d6
Concen: 140.850 ng
RT: 7.351 min Scan# 71
Delta R.T. -0.006 min
Lab File: BG064587.D
Acq: 27 Oct 2025 14:41

Instrument :
BNA_G
ClientSampleId :
PB170246BL

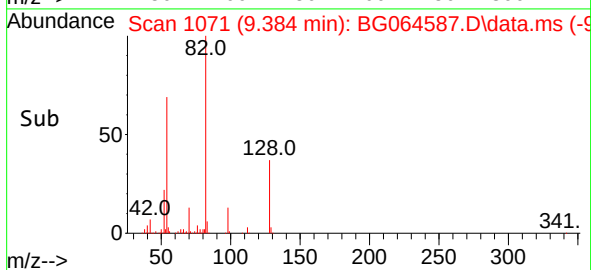
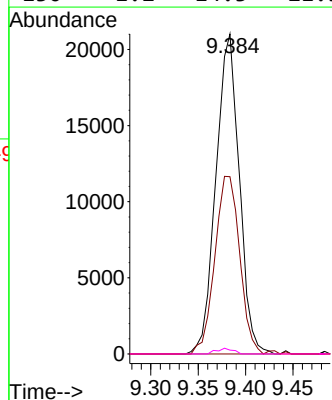
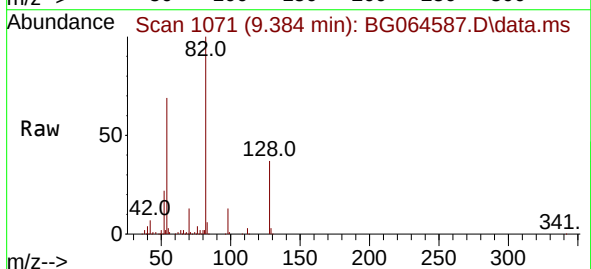


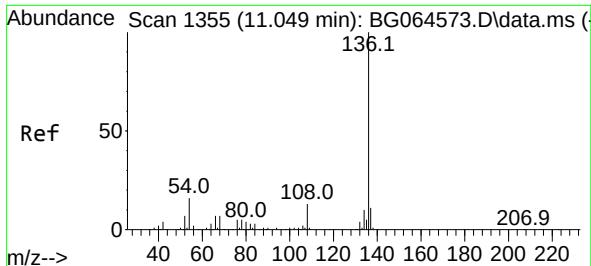
Tgt Ion: 99 Resp: 488227
Ion Ratio Lower Upper
99 100
42 24.1 18.3 27.5
71 37.4 28.6 43.0



#19
n-Nitroso-di-n-propylamine
Concen: 15.039 ng
RT: 9.384 min Scan# 1071
Delta R.T. 0.352 min
Lab File: BG064587.D
Acq: 27 Oct 2025 14:41

Tgt Ion: 70 Resp: 36027
Ion Ratio Lower Upper
70 100
42 55.4 65.2 97.8#
101 0.0 7.9 11.9#
130 1.2 14.3 21.5#



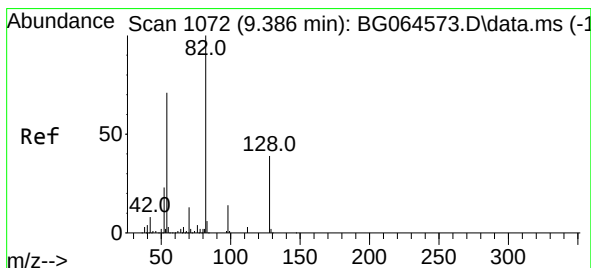
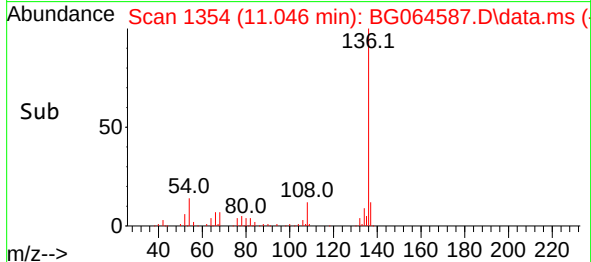
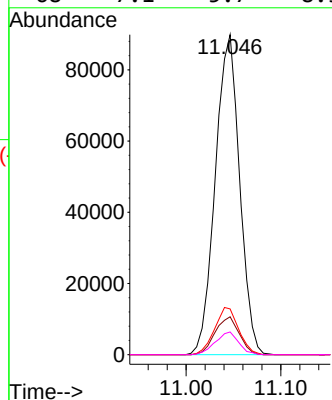
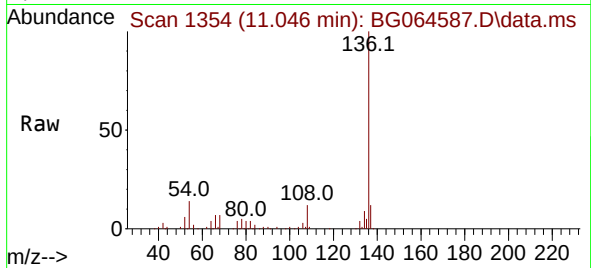


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.046 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG064587.D
Acq: 27 Oct 2025 14:41

Instrument :
BNA_G
ClientSampleId :
PB170246BL

Tgt Ion:136 Resp: 160302

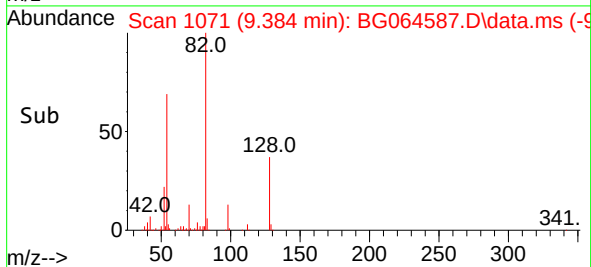
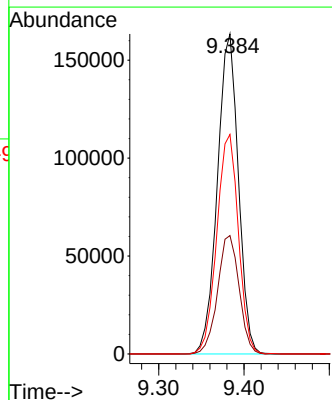
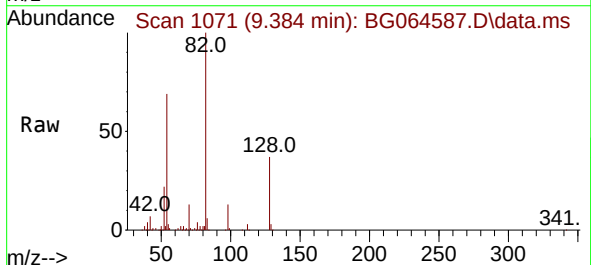
Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.2	13.8
54	14.3	12.6	19.0
68	7.1	5.7	8.5

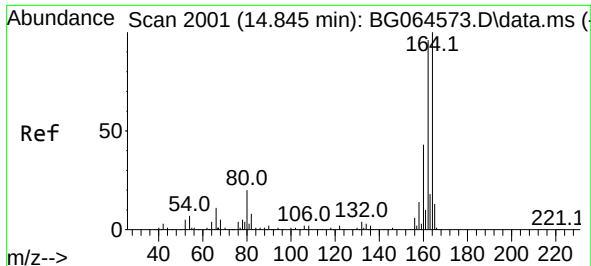


#23
Nitrobenzene-d5
Concen: 104.732 ng
RT: 9.384 min Scan# 1071
Delta R.T. -0.006 min
Lab File: BG064587.D
Acq: 27 Oct 2025 14:41

Tgt Ion: 82 Resp: 279521

Ion	Ratio	Lower	Upper
82	100		
128	37.0	31.3	46.9
54	68.6	56.6	84.8

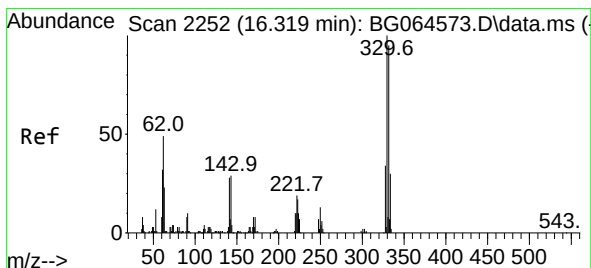
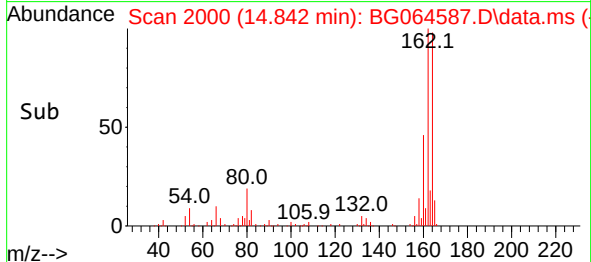
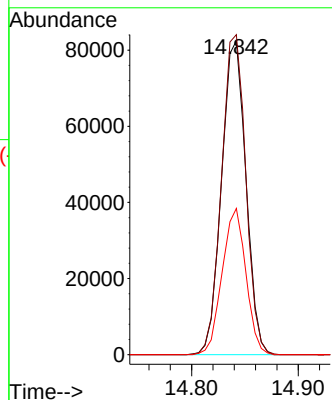
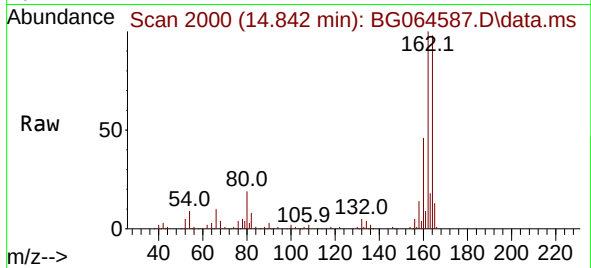




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.842 min Scan# 20
Delta R.T. -0.000 min
Lab File: BG064587.D
Acq: 27 Oct 2025 14:41

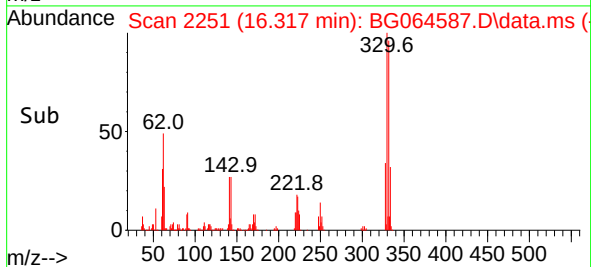
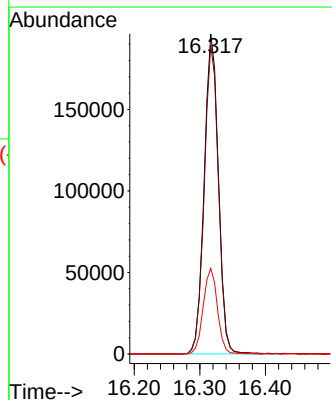
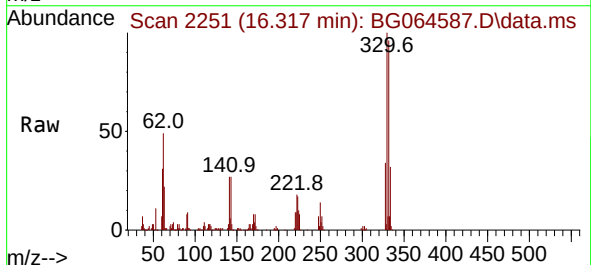
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ClientSampleId :
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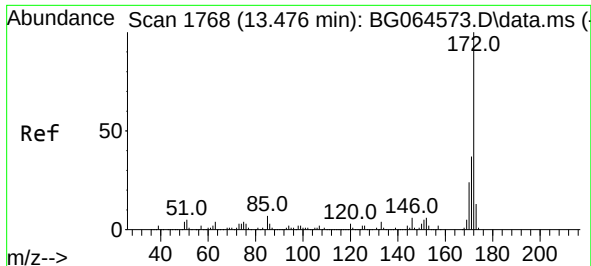
Tgt Ion:164 Resp: 130540
Ion Ratio Lower Upper
164 100
162 101.9 77.0 115.6
160 46.6 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 157.514 ng
RT: 16.317 min Scan# 2251
Delta R.T. -0.006 min
Lab File: BG064587.D
Acq: 27 Oct 2025 14:41

Tgt Ion:330 Resp: 296769
Ion Ratio Lower Upper
330 100
332 96.3 78.0 117.0
141 26.6 21.8 32.6

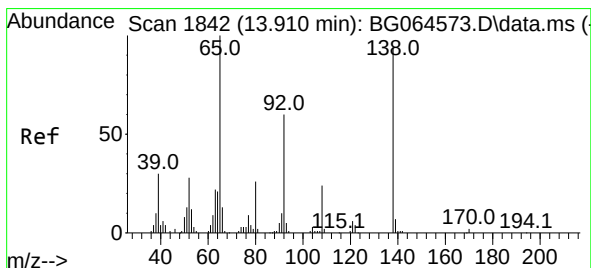
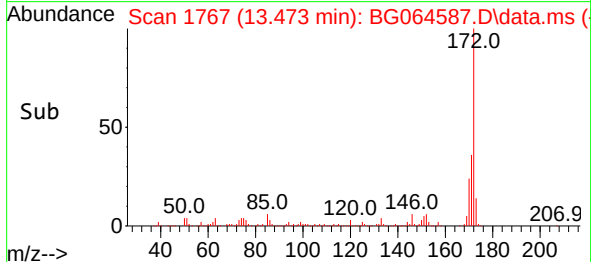
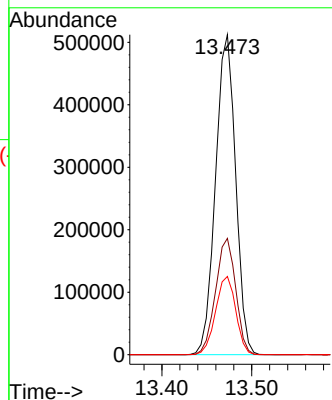
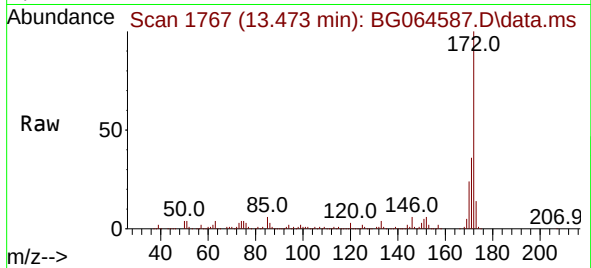




#45
2-Fluorobiphenyl
Concen: 92.215 ng
RT: 13.473 min Scan# 1767
Delta R.T. -0.006 min
Lab File: BG064587.D
Acq: 27 Oct 2025 14:41

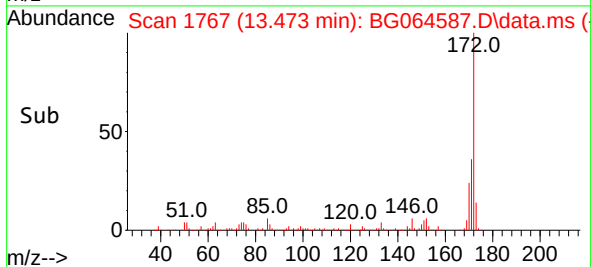
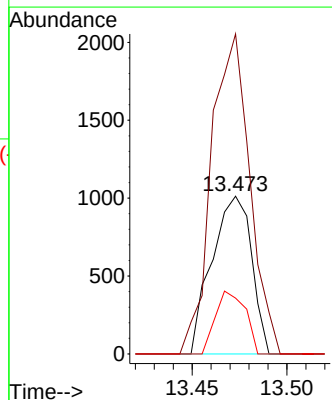
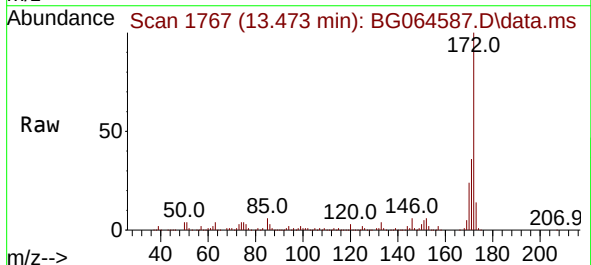
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BNA_G
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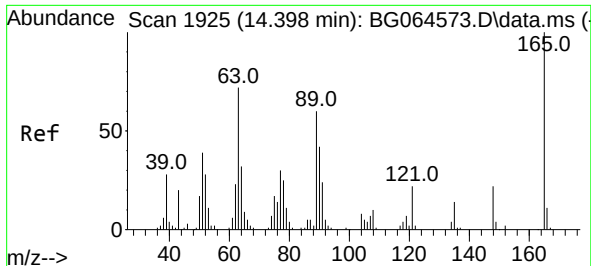
Tgt Ion:172 Resp: 794180
Ion Ratio Lower Upper
172 100
171 36.3 29.4 44.0
170 24.4 19.1 28.7



#48
2-Nitroaniline
Concen: 3.810 ng
RT: 13.473 min Scan# 1767
Delta R.T. -0.441 min
Lab File: BG064587.D
Acq: 27 Oct 2025 14:41

Tgt Ion: 65 Resp: 1475
Ion Ratio Lower Upper
65 100
92 203.0 48.3 72.5#
138 35.4 74.9 112.3#

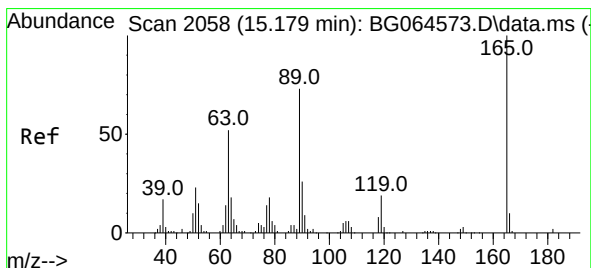
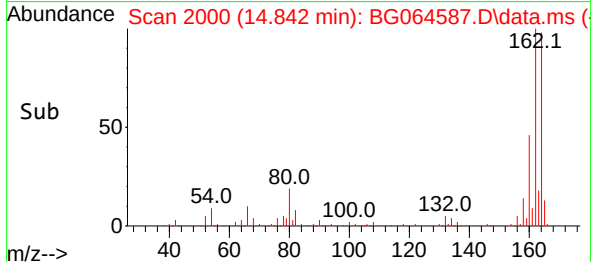
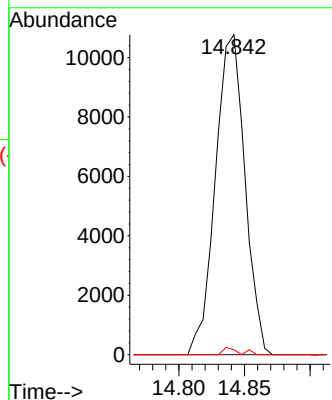
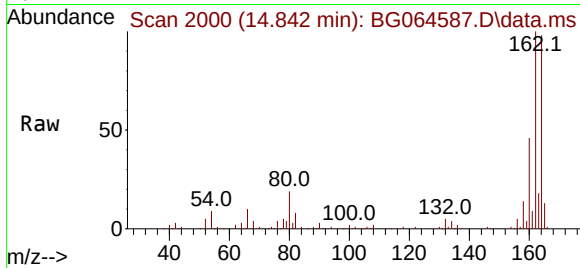




#51
2,6-Dinitrotoluene
Concen: 12.742 ng
RT: 14.842 min Scan# 2000
Delta R.T. 0.440 min
Lab File: BG064587.D
Acq: 27 Oct 2025 14:41

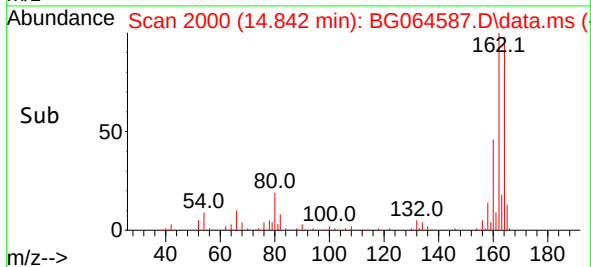
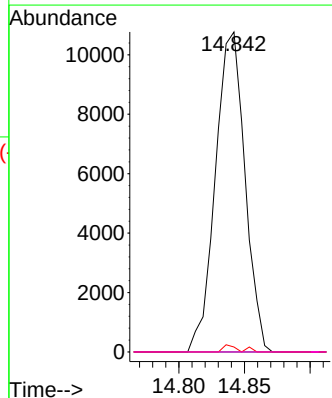
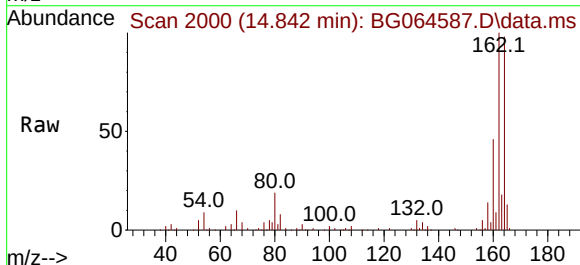
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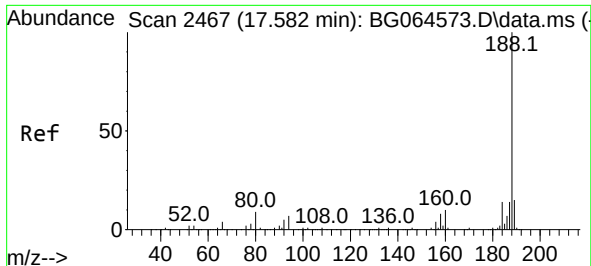
Tgt Ion:165 Resp: 16860
Ion Ratio Lower Upper
165 100
63 0.0 57.4 86.0#
89 1.5 47.8 71.8#



#57
2,4-Dinitrotoluene
Concen: 9.246 ng
RT: 14.842 min Scan# 2000
Delta R.T. -0.347 min
Lab File: BG064587.D
Acq: 27 Oct 2025 14:41

Tgt Ion:165 Resp: 16860
Ion Ratio Lower Upper
165 100
63 0.0 41.8 62.8#
89 1.5 58.1 87.1#
182 0.0 1.4 2.0#

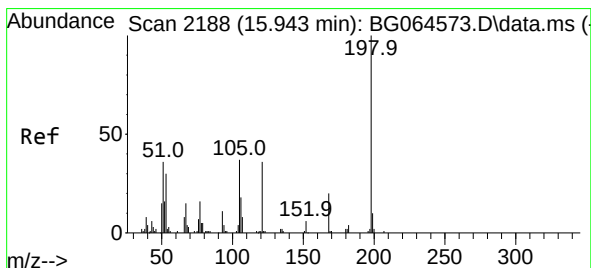
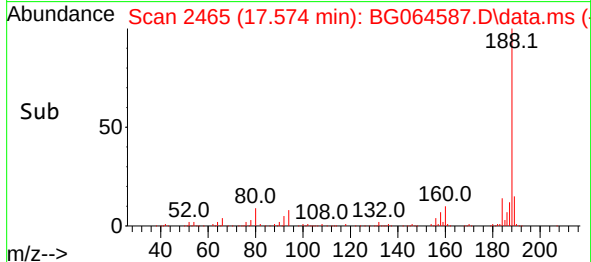
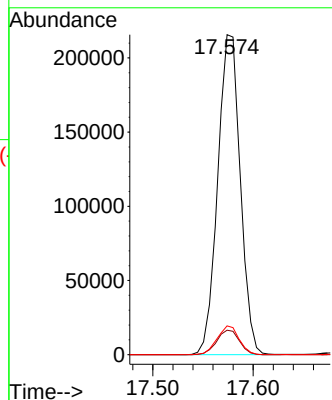
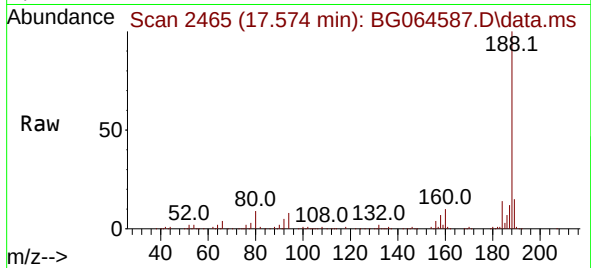




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.574 min Scan# 2465
Delta R.T. -0.006 min
Lab File: BG064587.D
Acq: 27 Oct 2025 14:41

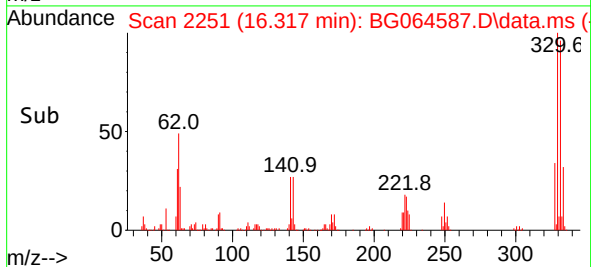
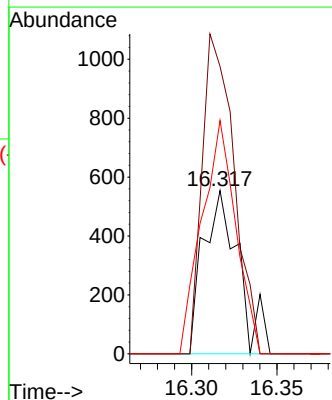
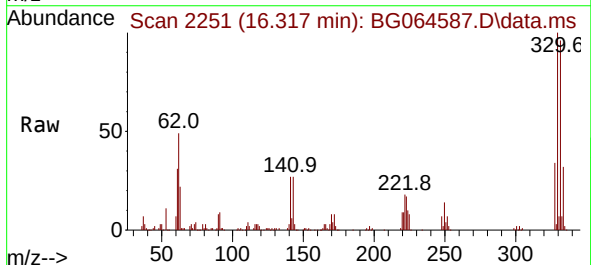
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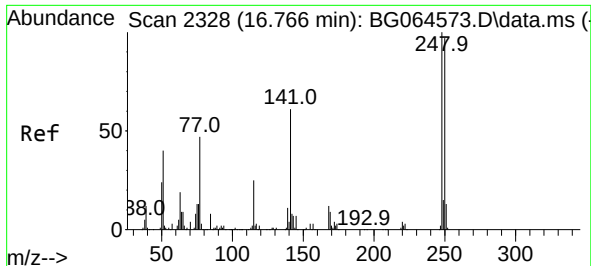
Tgt Ion:188 Resp: 336474
Ion Ratio Lower Upper
188 100
94 7.7 5.7 8.5
80 9.0 6.8 10.2



#65
4,6-Dinitro-2-methylphenol
Concen: 5.903 ng
RT: 16.317 min Scan# 2251
Delta R.T. 0.370 min
Lab File: BG064587.D
Acq: 27 Oct 2025 14:41

Tgt Ion:198 Resp: 796
Ion Ratio Lower Upper
198 100
51 33.4 24.7 64.7
105 27.1 18.0 58.0

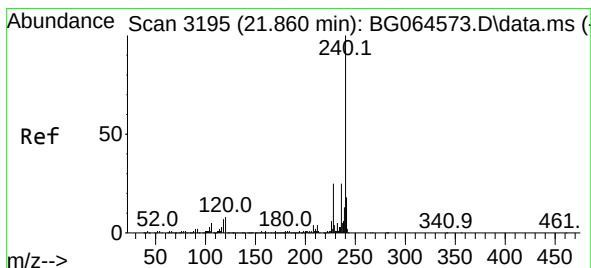
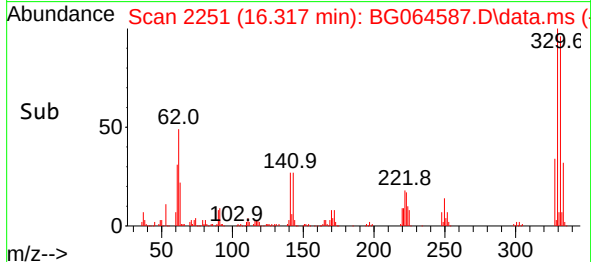
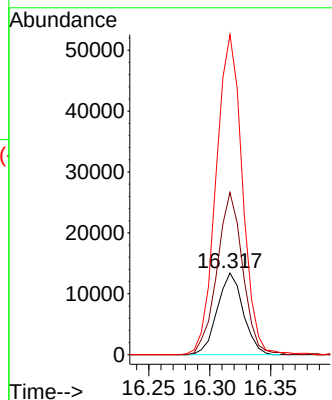
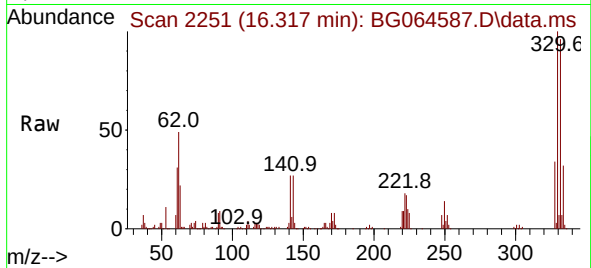




#67
4-Bromophenyl-phenylether
Concen: 4.960 ng
RT: 16.317 min Scan# 21
Delta R.T. -0.453 min
Lab File: BG064587.D
Acq: 27 Oct 2025 14:41

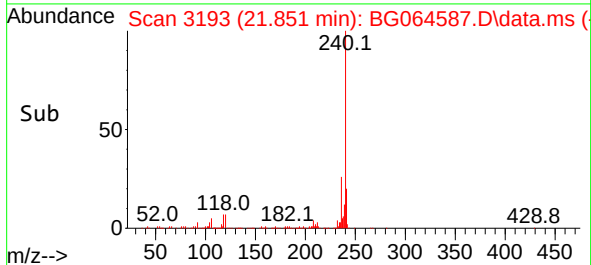
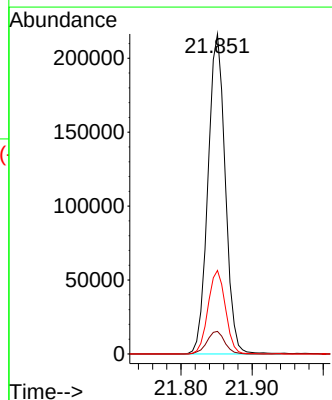
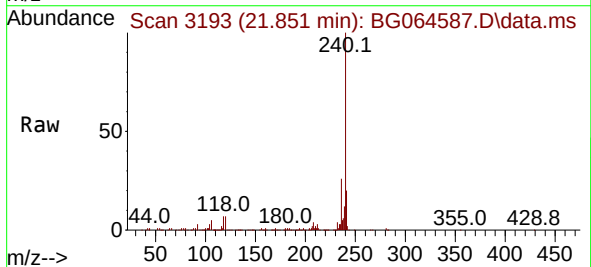
Instrument :
BNA_G
ClientSampleId :
PB170246BL

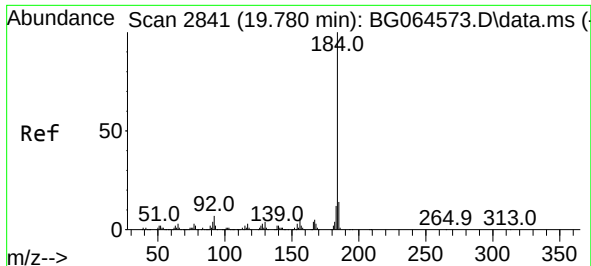
Tgt Ion:248 Resp: 19776
Ion Ratio Lower Upper
248 100
250 259.1 77.7 116.5#
141 391.9 48.6 72.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.851 min Scan# 3193
Delta R.T. -0.012 min
Lab File: BG064587.D
Acq: 27 Oct 2025 14:41

Tgt Ion:240 Resp: 365644
Ion Ratio Lower Upper
240 100
120 7.1 6.5 9.7
236 26.1 20.2 30.2

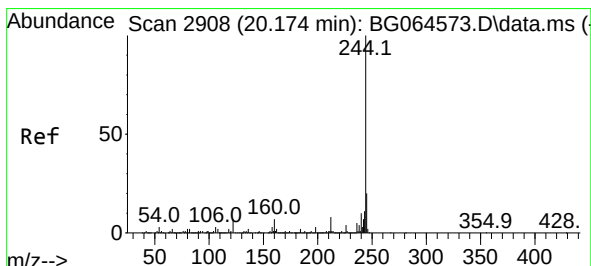
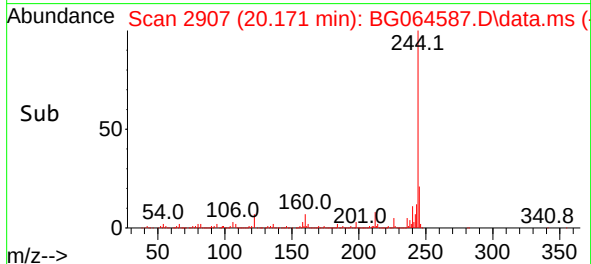
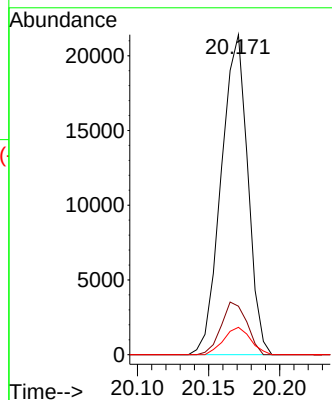
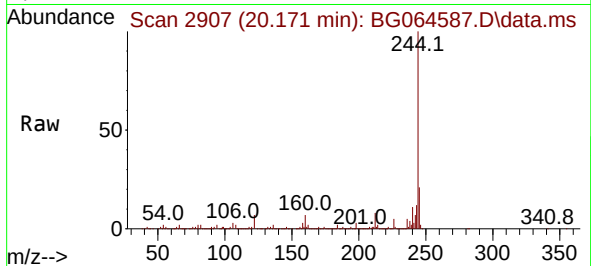




#77
Benzidine
Concen: 3.392 ng
RT: 20.171 min Scan# 2907
Delta R.T. 0.387 min
Lab File: BG064587.D
Acq: 27 Oct 2025 14:41

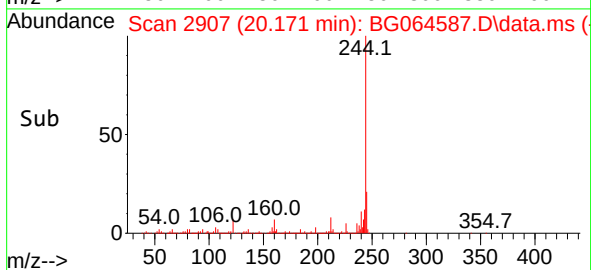
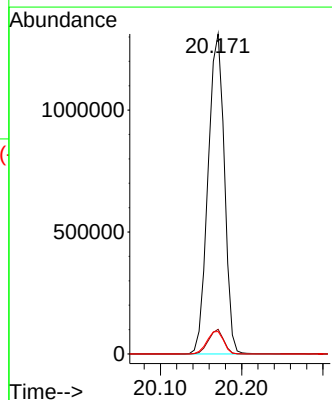
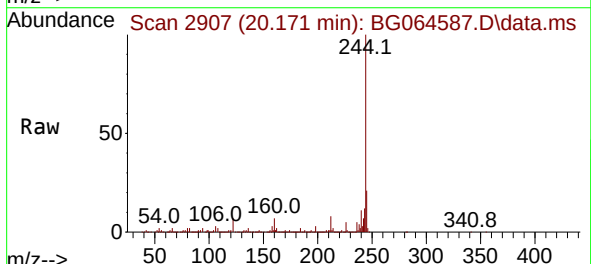
Instrument :
BNA_G
ClientSampleId :
PB170246BL

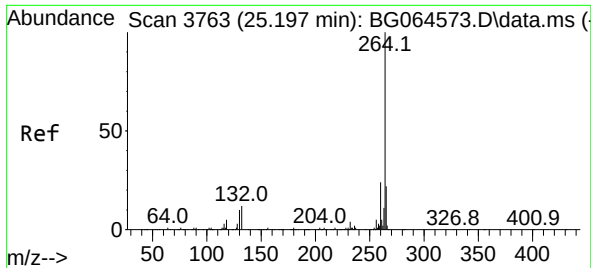
Tgt Ion:184 Resp: 27791
Ion Ratio Lower Upper
184 100
185 15.2 11.4 17.2
183 8.6 9.4 14.2#



#79
Terphenyl-d14
Concen: 94.356 ng
RT: 20.171 min Scan# 2907
Delta R.T. -0.006 min
Lab File: BG064587.D
Acq: 27 Oct 2025 14:41

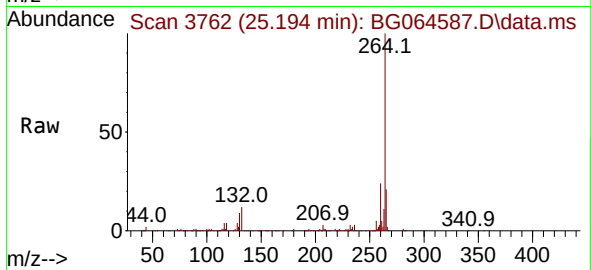
Tgt Ion:244 Resp: 1828173
Ion Ratio Lower Upper
244 100
212 7.7 6.1 9.1
122 7.0 5.6 8.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.194 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG064587.D
Acq: 27 Oct 2025 14:41

Instrument :
BNA_G
ClientSampleId :
PB170246BL



Tgt Ion:	264	Resp:	385076
Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.0	28.4
265	21.4	17.6	26.4

