

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
 Data File : BG064659.D
 Acq On : 31 Oct 2025 16:54
 Operator : RC/JU
 Sample : Q3496-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 31 17:29:51 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)

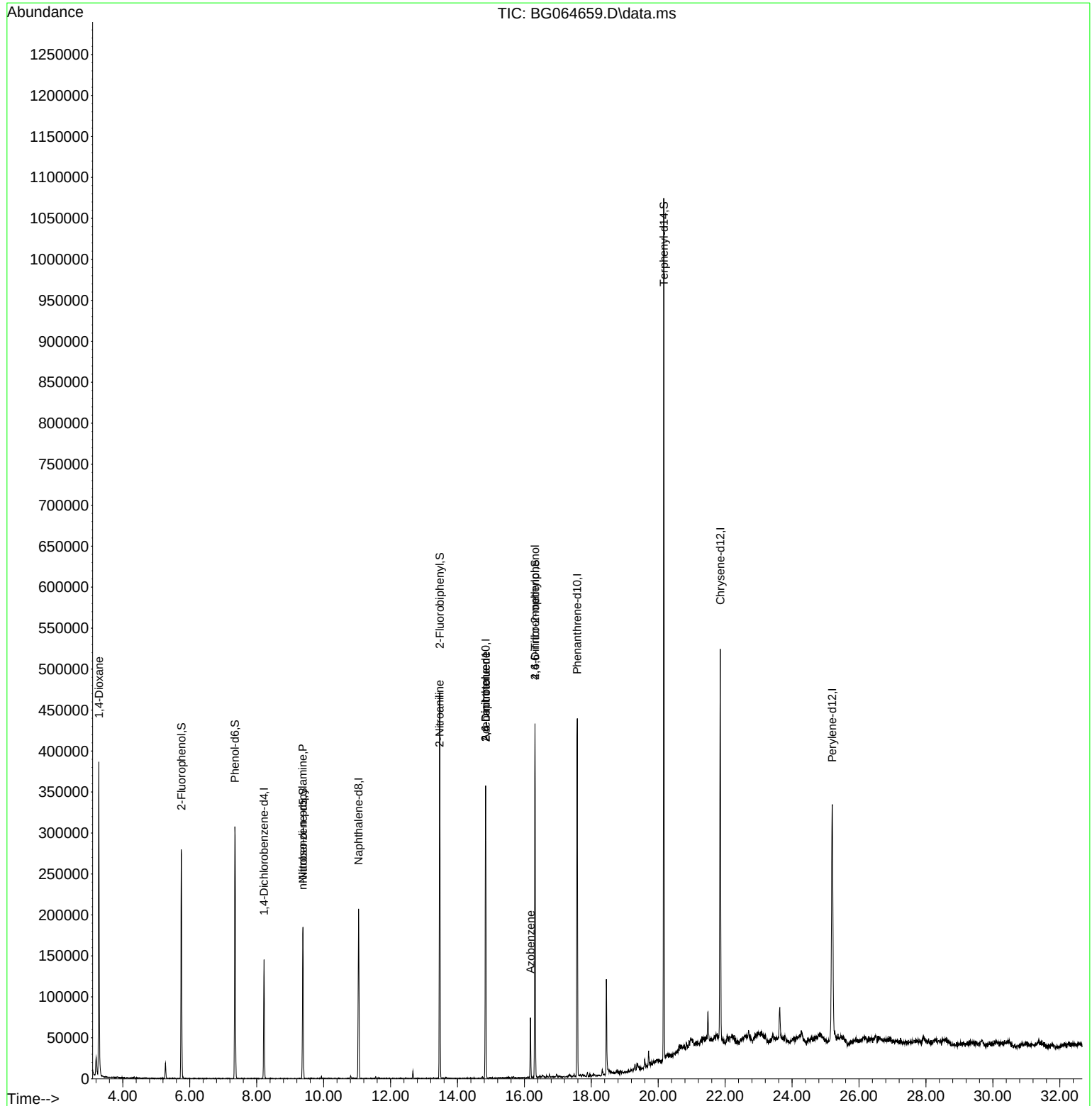
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.220	152	40153	20.000	ng	0.00
21) Naphthalene-d8	11.046	136	167761	20.000	ng	0.00
39) Acenaphthene-d10	14.842	164	129339	20.000	ng	0.00
64) Phenanthrene-d10	17.580	188	287213	20.000	ng	0.00
76) Chrysene-d12	21.851	240	311516	20.000	ng	-0.01
86) Perylene-d12	25.195	264	341443	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.753	112	114943	48.049	ng	0.00
7) Phenol-d6	7.351	99	169505	51.637	ng	0.00
23) Nitrobenzene-d5	9.384	82	103002	36.877	ng	0.00
42) 2,4,6-Tribromophenol	16.317	330	93994	50.352	ng	0.00
45) 2-Fluorobiphenyl	13.467	172	245463	28.766	ng	-0.01
79) Terphenyl-d14	20.165	244	534517	32.381	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.285	88	3039	2.869	ng	# 1
19) n-Nitroso-di-n-propyla...	9.378	70	13796	6.081	ng	# 64
48) 2-Nitroaniline	13.461	65	222	3.314	ng	# 1
51) 2,6-Dinitrotoluene	14.842	165	16744	12.764	ng	# 18
57) 2,4-Dinitrotoluene	14.842	165	16744	9.261	ng	# 20
63) Azobenzene	16.182	77	20091	2.167	ng	# 1
65) 4,6-Dinitro-2-methylph...	16.317	198	328	5.657	ng	86

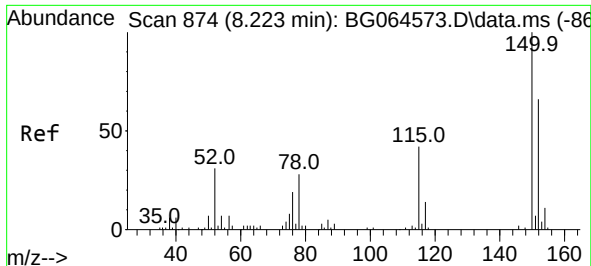
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
Data File : BG064659.D
Acq On : 31 Oct 2025 16:54
Operator : RC/JU
Sample : Q3496-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

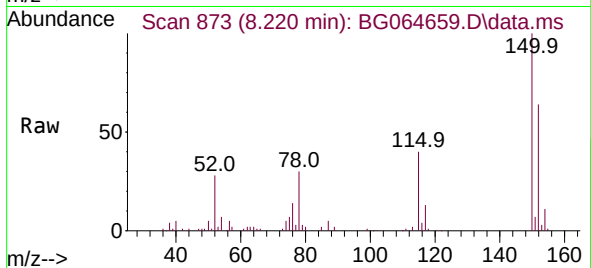
Quant Time: Oct 31 17:29:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration



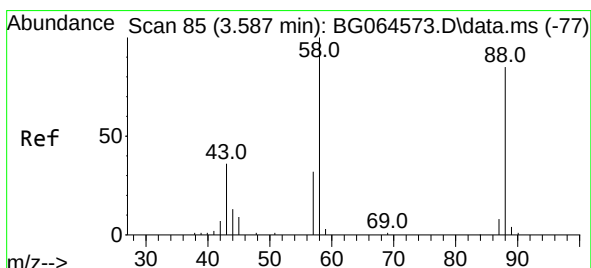
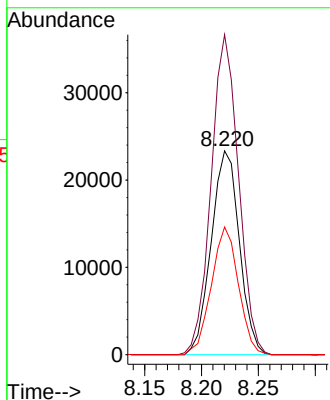
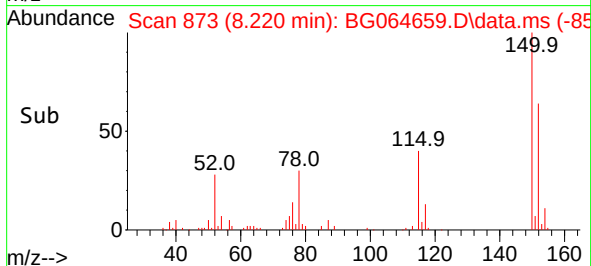


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.220 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG064659.D
Acq: 31 Oct 2025 16:54

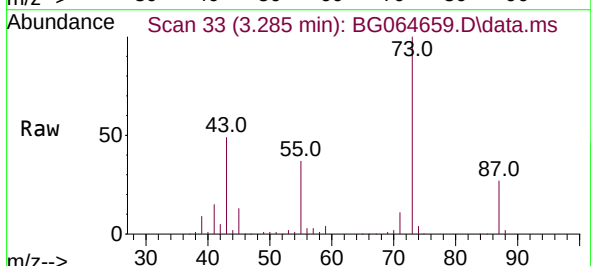
Instrument :
BNA_G
ClientSampleId :



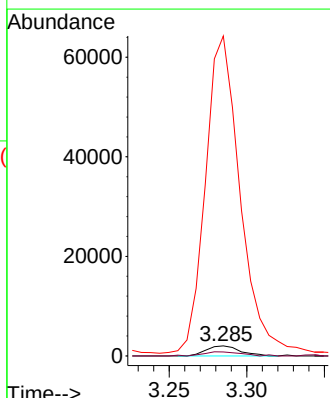
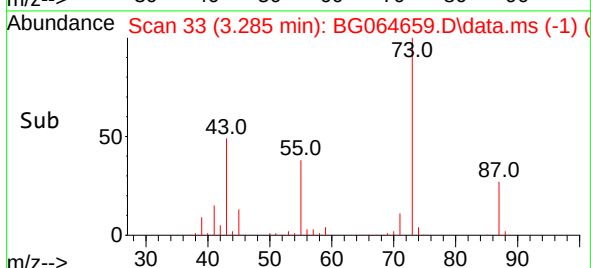
Tgt Ion:152 Resp: 40153
Ion Ratio Lower Upper
152 100
150 157.1 122.2 183.4
115 62.6 50.8 76.2

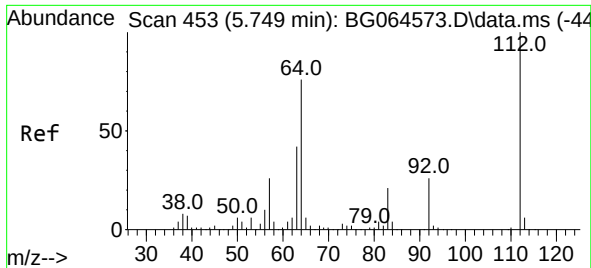


#2
1,4-Dioxane
Concen: 2.869 ng
RT: 3.285 min Scan# 33
Delta R.T. -0.306 min
Lab File: BG064659.D
Acq: 31 Oct 2025 16:54



Tgt Ion: 88 Resp: 3039
Ion Ratio Lower Upper
88 100
58 47.2 92.4 138.6#
43 3316.7 33.0 49.6#

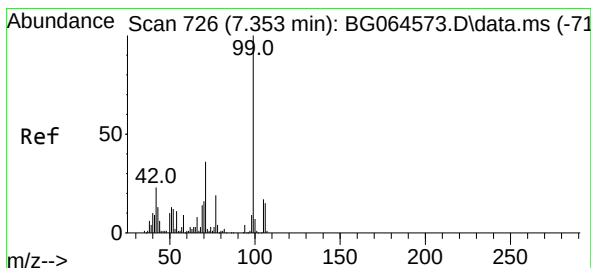
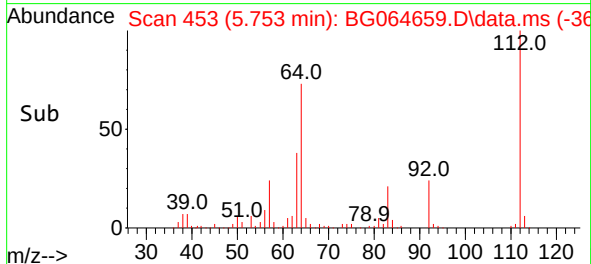
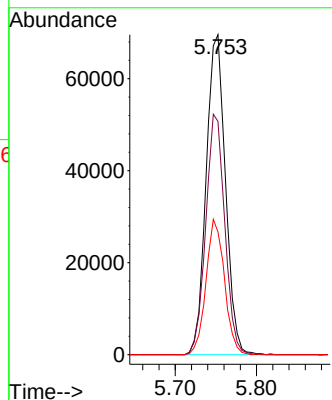
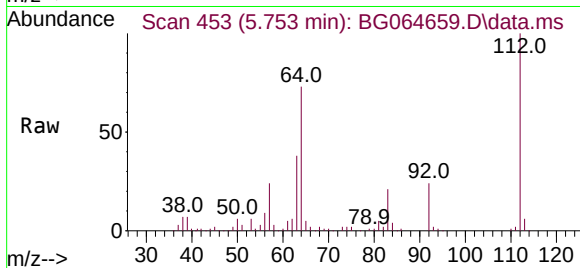




#5
2-Fluorophenol
Concen: 48.049 ng
RT: 5.753 min Scan# 41
Delta R.T. 0.006 min
Lab File: BG064659.D
Acq: 31 Oct 2025 16:54

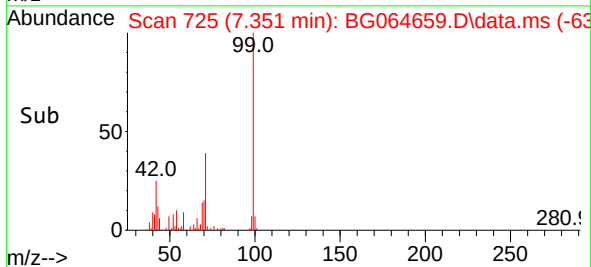
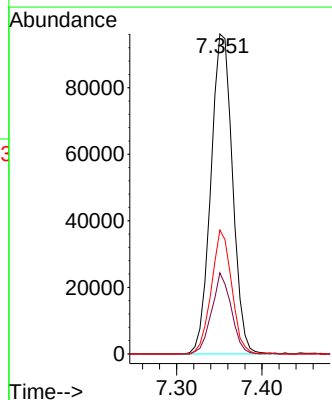
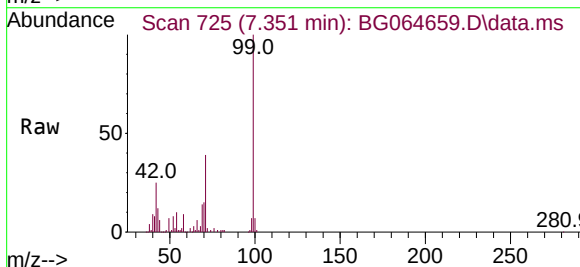
Instrument :
BNA_G
ClientSampleId :

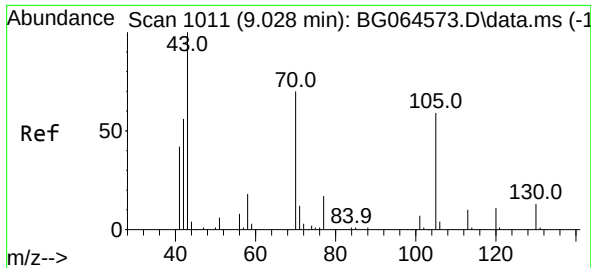
Tgt Ion:112 Resp: 114943
Ion Ratio Lower Upper
112 100
64 72.9 60.7 91.1
63 38.3 33.4 50.0



#7
Phenol-d6
Concen: 51.637 ng
RT: 7.351 min Scan# 725
Delta R.T. -0.006 min
Lab File: BG064659.D
Acq: 31 Oct 2025 16:54

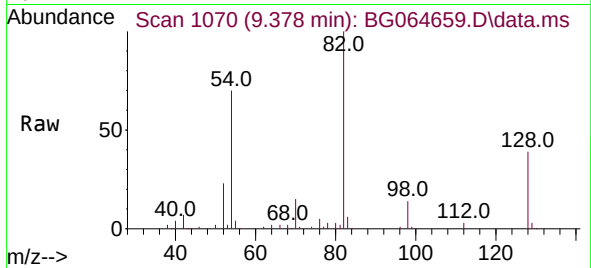
Tgt Ion: 99 Resp: 169505
Ion Ratio Lower Upper
99 100
42 25.3 18.3 27.5
71 38.7 28.6 43.0



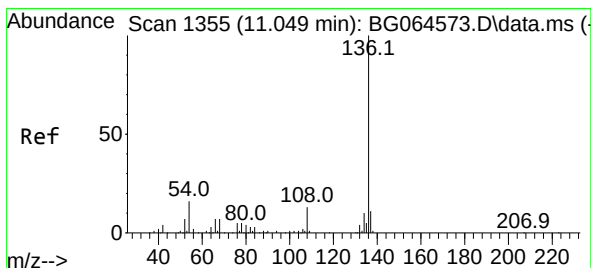
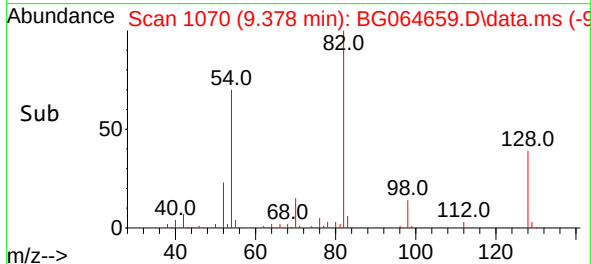
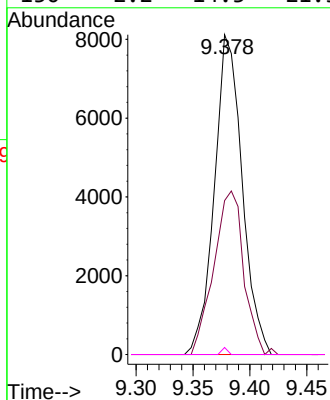


#19
n-Nitroso-di-n-propylamine
Concen: 6.081 ng
RT: 9.378 min Scan# 1011
Delta R.T. 0.346 min
Lab File: BG064659.D
Acq: 31 Oct 2025 16:54

Instrument :
BNA_G
ClientSampleId :

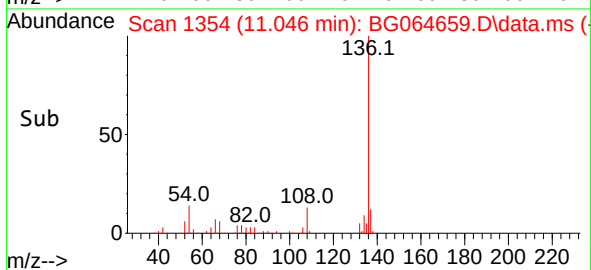
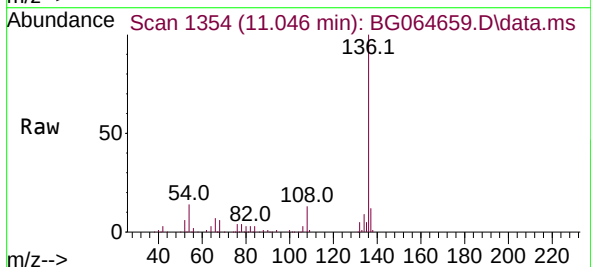
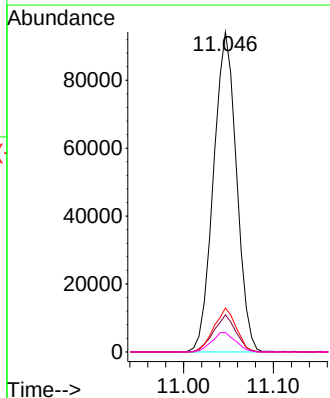


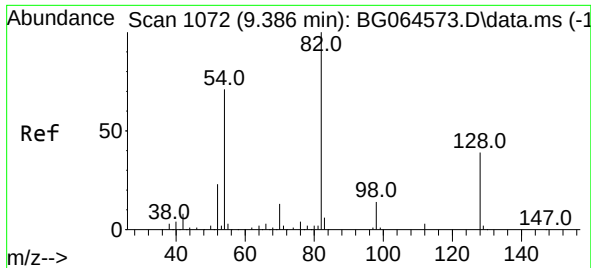
Tgt Ion:	70	Resp:	13796
Ion	Ratio	Lower	Upper
70	100		
42	48.1	65.2	97.8#
101	0.0	7.9	11.9#
130	2.2	14.3	21.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.046 min Scan# 1354
Delta R.T. -0.006 min
Lab File: BG064659.D
Acq: 31 Oct 2025 16:54

Tgt Ion:	136	Resp:	167761
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.2	13.8
54	13.7	12.6	19.0
68	6.1	5.7	8.5





#23

Nitrobenzene-d5

Concen: 36.877 ng

RT: 9.384 min Scan# 10

Delta R.T. -0.006 min

Lab File: BG064659.D

Acq: 31 Oct 2025 16:54

Instrument :

BNA_G

ClientSampleId :

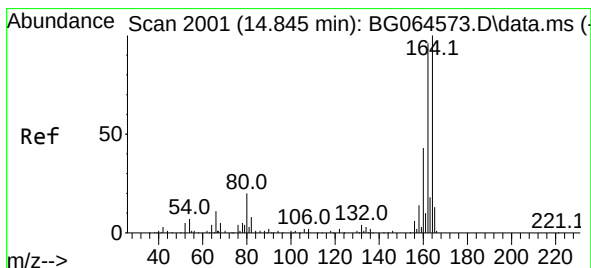
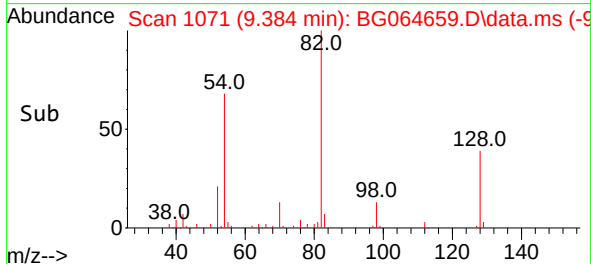
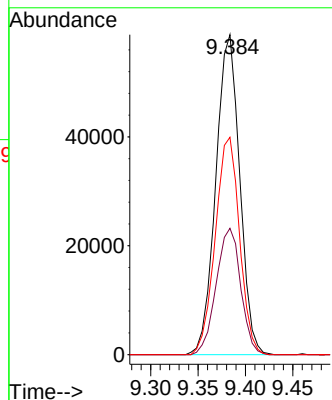
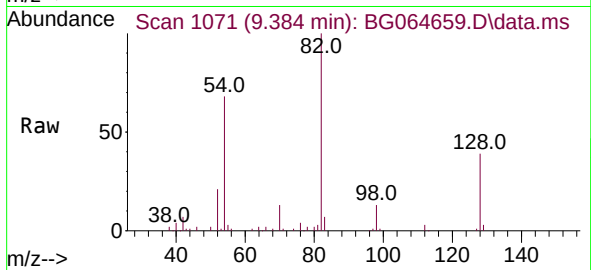
Tgt Ion: 82 Resp: 103002

Ion Ratio Lower Upper

82 100

128 39.5 31.3 46.9

54 67.9 56.6 84.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.842 min Scan# 2000

Delta R.T. -0.000 min

Lab File: BG064659.D

Acq: 31 Oct 2025 16:54

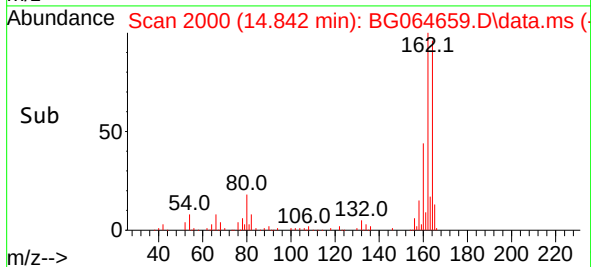
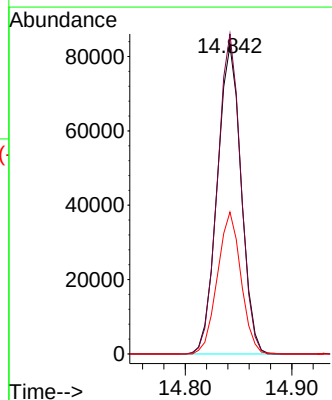
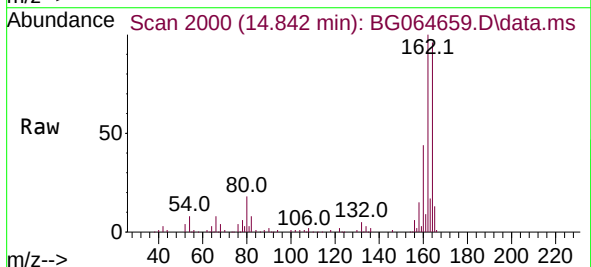
Tgt Ion:164 Resp: 129339

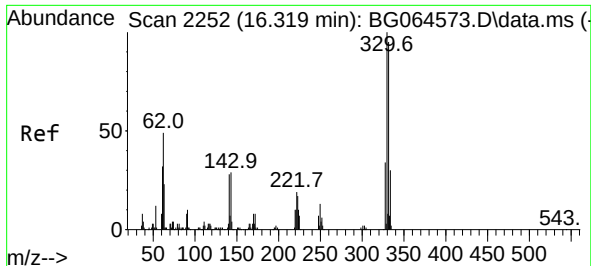
Ion Ratio Lower Upper

164 100

162 103.7 77.0 115.6

160 46.0 34.4 51.6

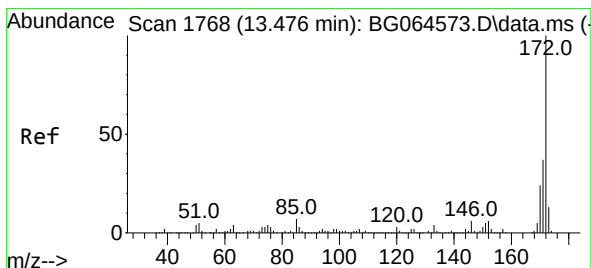
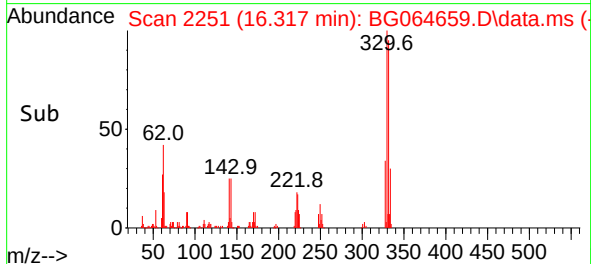
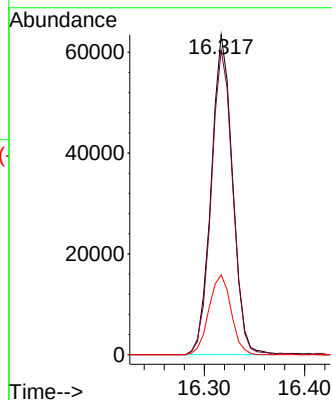
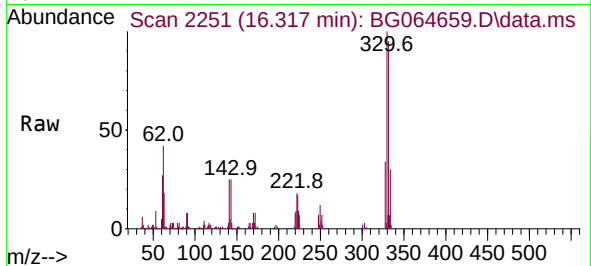




#42
2,4,6-Tribromophenol
Concen: 50.352 ng
RT: 16.317 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG064659.D
Acq: 31 Oct 2025 16:54

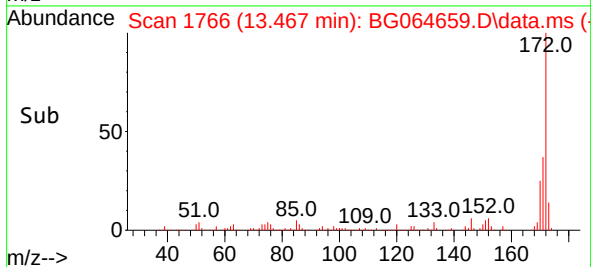
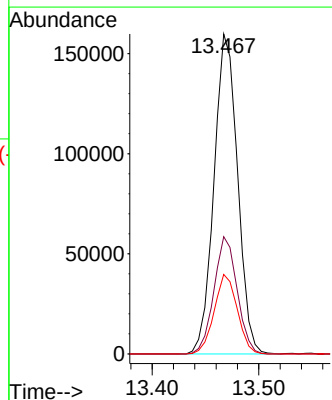
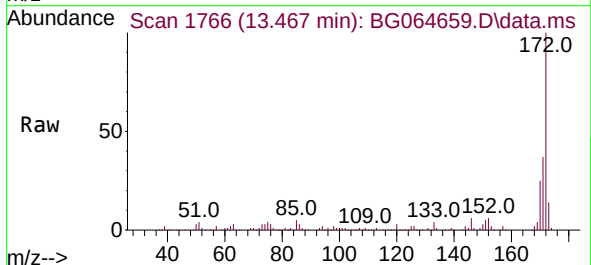
Instrument :
BNA_G
ClientSampleId :

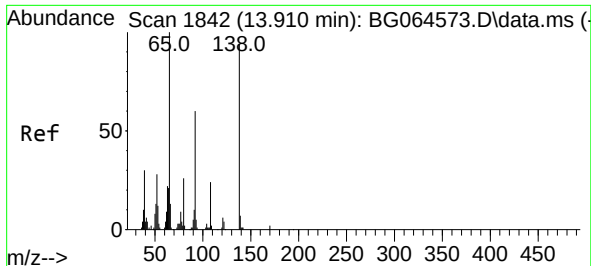
Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.5	78.0	117.0
141	25.8	21.8	32.6



#45
2-Fluorobiphenyl
Concen: 28.766 ng
RT: 13.467 min Scan# 1766
Delta R.T. -0.012 min
Lab File: BG064659.D
Acq: 31 Oct 2025 16:54

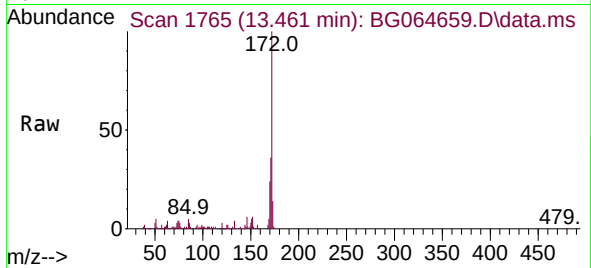
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.4	44.0
170	24.8	19.1	28.7



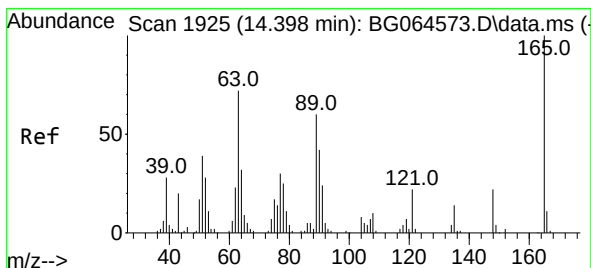
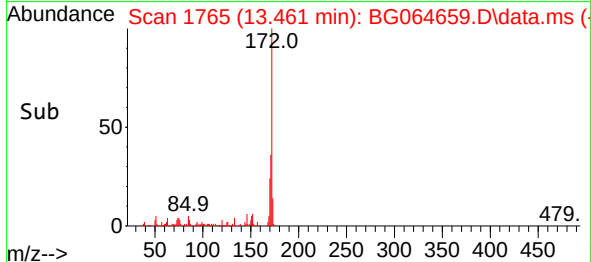
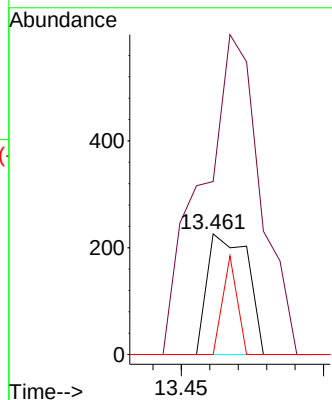


#48
2-Nitroaniline
Concen: 3.314 ng
RT: 13.461 min Scan# 11
Delta R.T. -0.453 min
Lab File: BG064659.D
Acq: 31 Oct 2025 16:54

Instrument :
BNA_G
ClientSampleId :

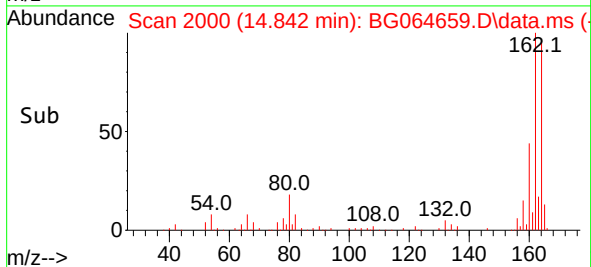
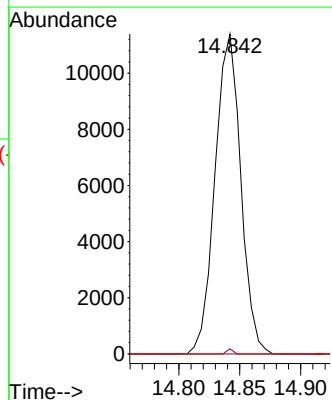
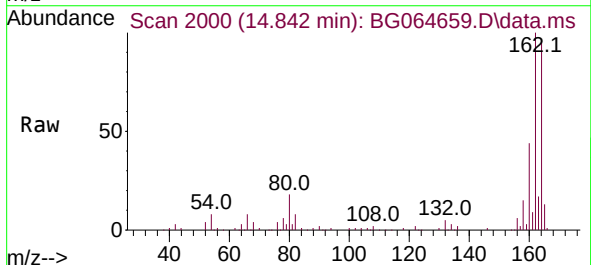


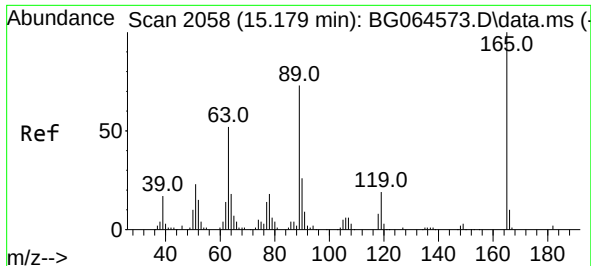
Tgt Ion: 65 Resp: 222
Ion Ratio Lower Upper
65 100
92 143.4 48.3 72.5#
138 0.0 74.9 112.3#



#51
2,6-Dinitrotoluene
Concen: 12.764 ng
RT: 14.842 min Scan# 2000
Delta R.T. 0.440 min
Lab File: BG064659.D
Acq: 31 Oct 2025 16:54

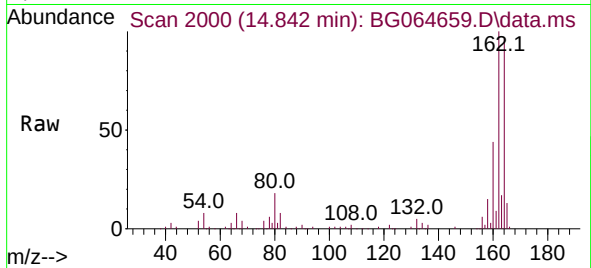
Tgt Ion:165 Resp: 16744
Ion Ratio Lower Upper
165 100
63 1.6 57.4 86.0#
89 0.0 47.8 71.8#



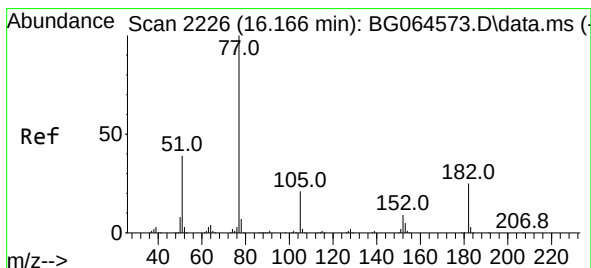
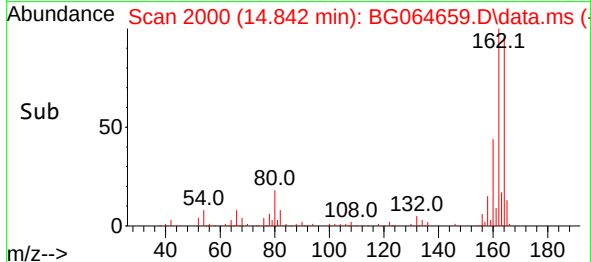
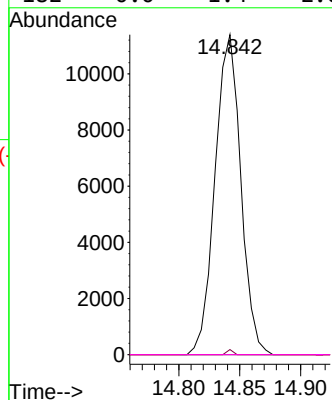


#57
2,4-Dinitrotoluene
Concen: 9.261 ng
RT: 14.842 min Scan# 2058
Delta R.T. -0.347 min
Lab File: BG064659.D
Acq: 31 Oct 2025 16:54

Instrument :
BNA_G
ClientSampleId :

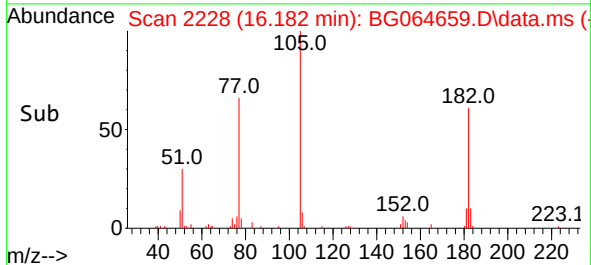
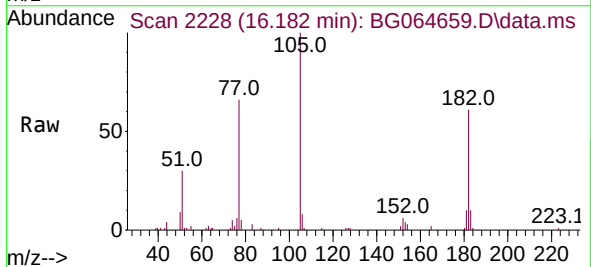
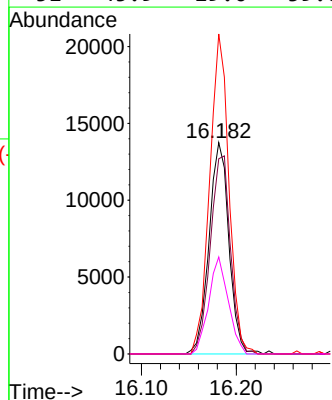


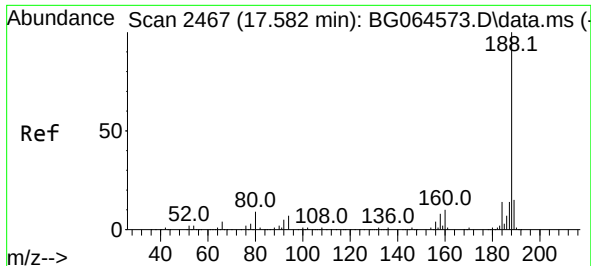
Tgt Ion:165 Resp: 16744
Ion Ratio Lower Upper
165 100
63 1.6 41.8 62.8#
89 0.0 58.1 87.1#
182 0.0 1.4 2.0#



#63
Azobenzene
Concen: 2.167 ng
RT: 16.182 min Scan# 2228
Delta R.T. 0.012 min
Lab File: BG064659.D
Acq: 31 Oct 2025 16:54

Tgt Ion: 77 Resp: 20091
Ion Ratio Lower Upper
77 100
182 92.3 4.9 44.9#
105 151.5 1.3 41.3#
51 45.9 19.0 59.0

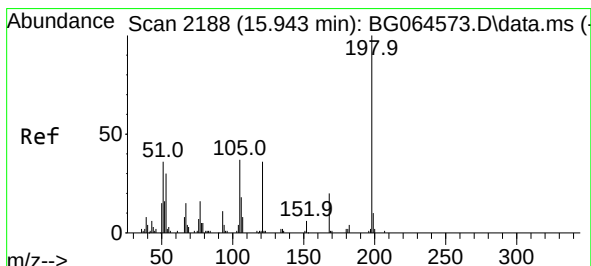
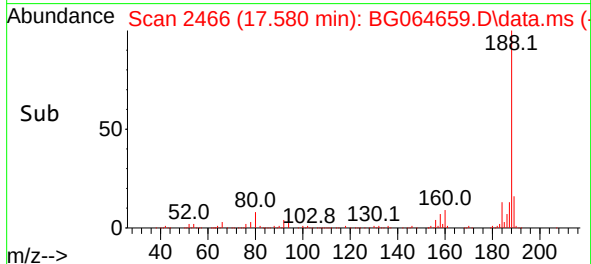
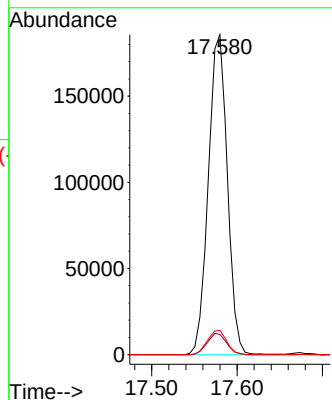
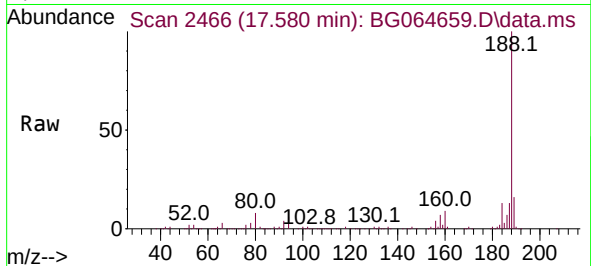




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.580 min Scan# 24
Delta R.T. -0.000 min
Lab File: BG064659.D
Acq: 31 Oct 2025 16:54

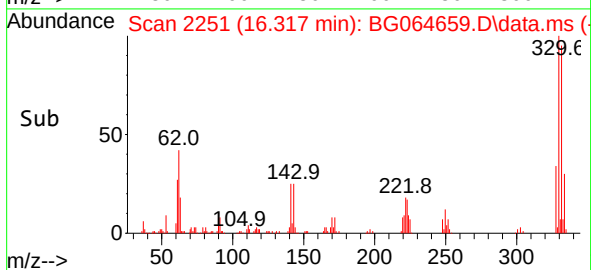
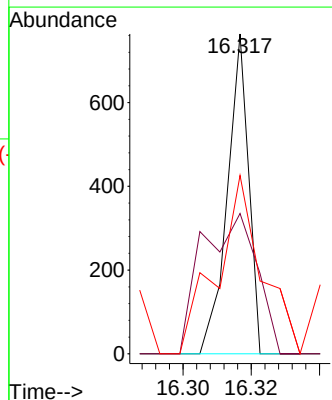
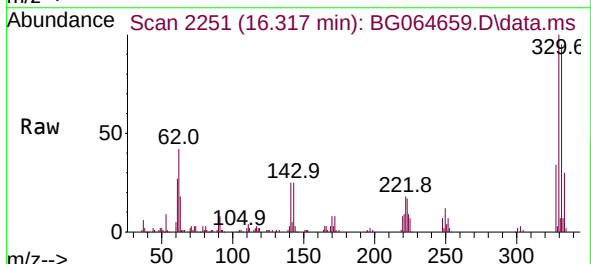
Instrument :
BNA_G
ClientSampleId :

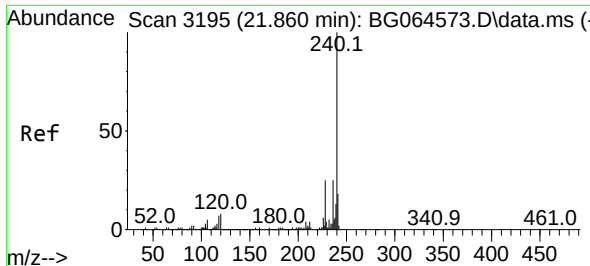
Tgt Ion:188 Resp: 287213
Ion Ratio Lower Upper
188 100
94 6.3 5.7 8.5
80 7.6 6.8 10.2



#65
4,6-Dinitro-2-methylphenol
Concen: 5.657 ng
RT: 16.317 min Scan# 2251
Delta R.T. 0.370 min
Lab File: BG064659.D
Acq: 31 Oct 2025 16:54

Tgt Ion:198 Resp: 328
Ion Ratio Lower Upper
198 100
51 43.8 24.7 64.7
105 55.8 18.0 58.0

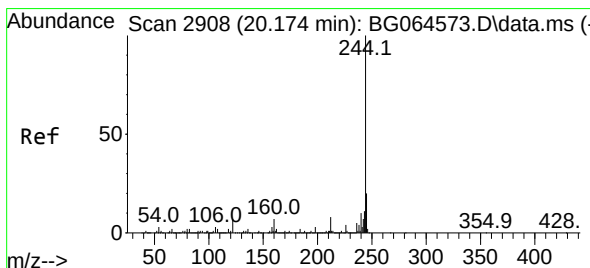
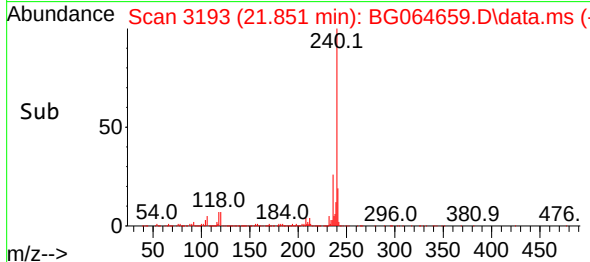
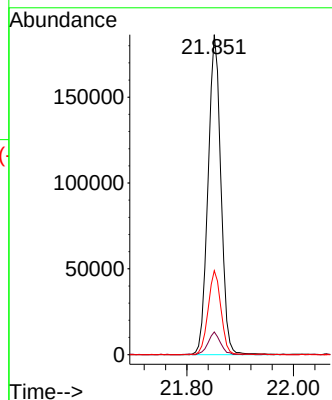
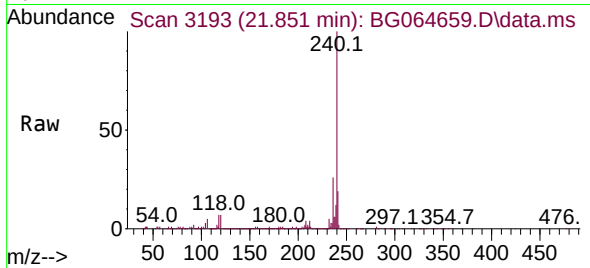




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.851 min Scan# 31
Delta R.T. -0.012 min
Lab File: BG064659.D
Acq: 31 Oct 2025 16:54

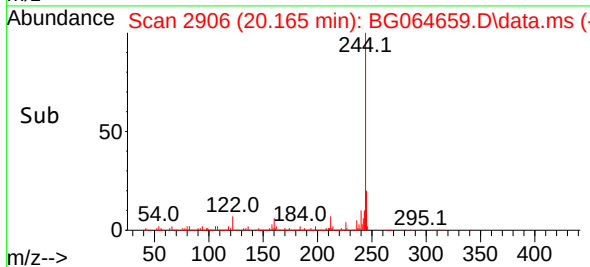
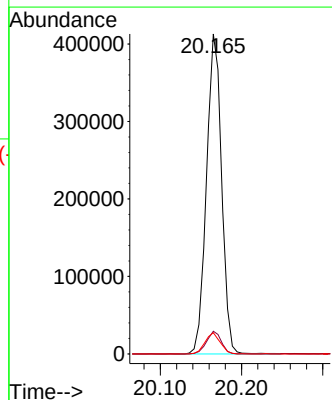
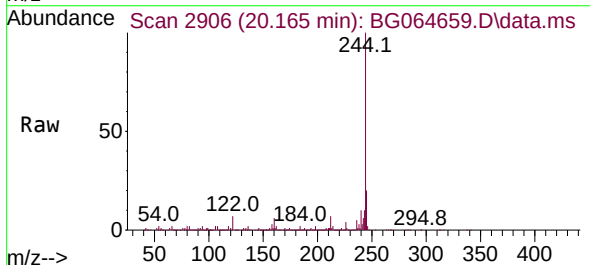
Instrument :
BNA_G
ClientSampleId :

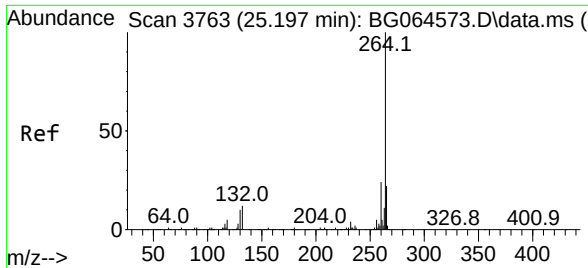
Tgt Ion:240 Resp: 311516
Ion Ratio Lower Upper
240 100
120 7.1 6.5 9.7
236 26.2 20.2 30.2



#79
Terphenyl-d14
Concen: 32.381 ng
RT: 20.165 min Scan# 2906
Delta R.T. -0.012 min
Lab File: BG064659.D
Acq: 31 Oct 2025 16:54

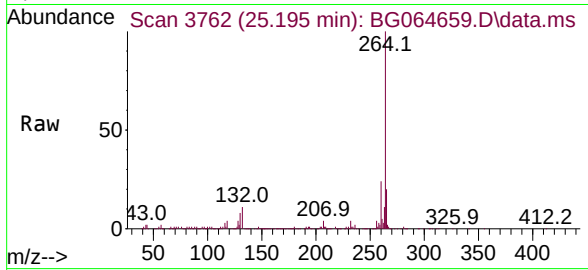
Tgt Ion:244 Resp: 534517
Ion Ratio Lower Upper
244 100
212 7.1 6.1 9.1
122 6.6 5.6 8.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.195 min Scan# 31
 Delta R.T. -0.006 min
 Lab File: BG064659.D
 Acq: 31 Oct 2025 16:54

Instrument :
 BNA_G
 ClientSampleId :



Tgt Ion: 264 Resp: 341443

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.0	28.4
265	20.2	17.6	26.4

