

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
 Data File : BG064611.D
 Acq On : 28 Oct 2025 21:18
 Operator : RC/JU
 Sample : Q3460-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-2

Quant Time: Oct 29 00:59:01 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)

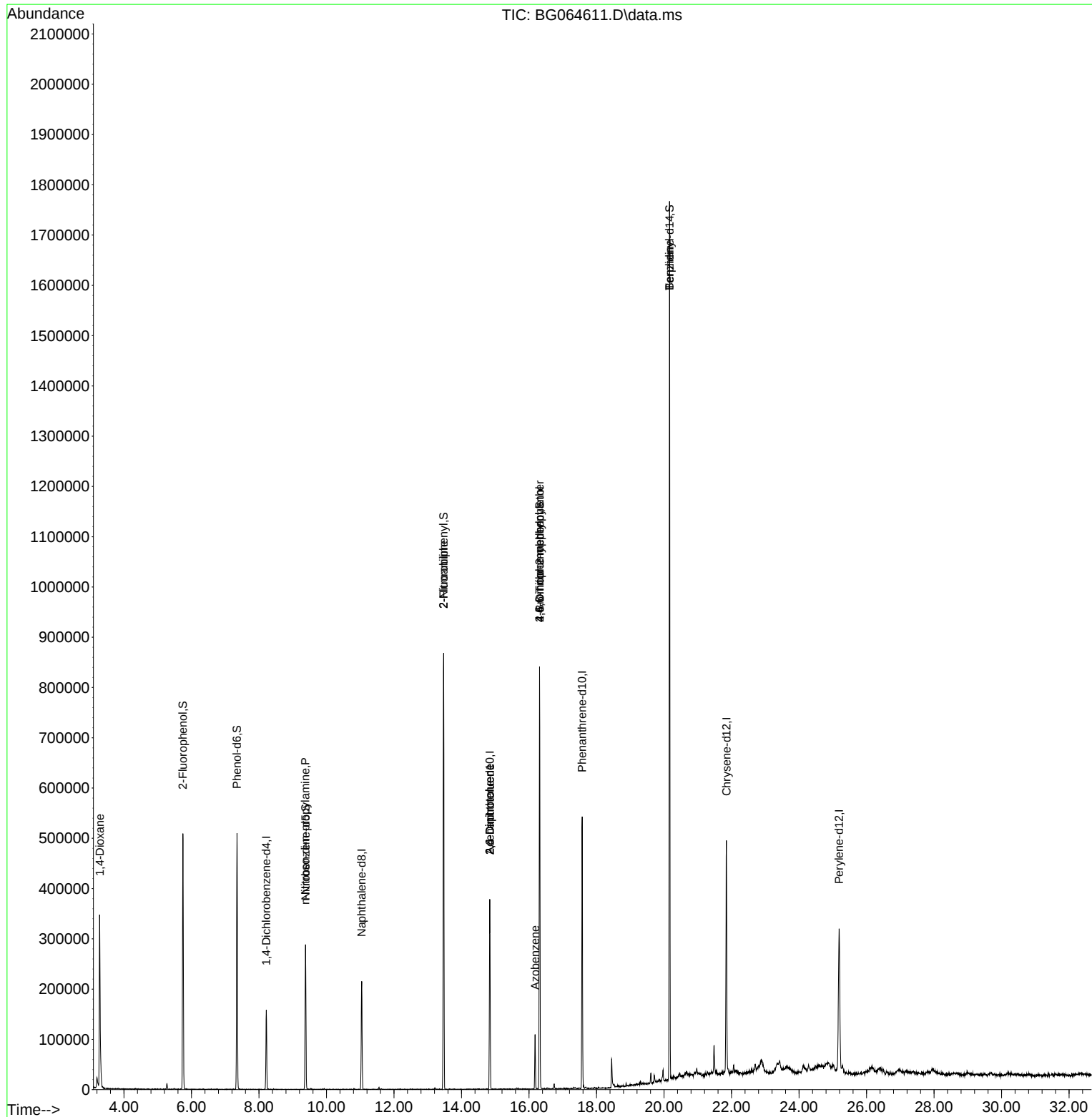
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.216	152	42602	20.000	ng	0.00
21) Naphthalene-d8	11.043	136	170529	20.000	ng	0.00
39) Acenaphthene-d10	14.838	164	137243	20.000	ng	0.00
64) Phenanthrene-d10	17.576	188	345627	20.000	ng	0.00
76) Chrysene-d12	21.848	240	296433	20.000	ng	-0.02
86) Perylene-d12	25.185	264	323885	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.743	112	201890	79.544	ng	0.00
7) Phenol-d6	7.347	99	267309	76.751	ng	0.00
23) Nitrobenzene-d5	9.380	82	157450	55.456	ng	-0.01
42) 2,4,6-Tribromophenol	16.313	330	173367	87.522	ng	-0.01
45) 2-Fluorobiphenyl	13.469	172	457891	50.571	ng	0.00
79) Terphenyl-d14	20.161	244	893720	56.896	ng	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.281	88	3008	2.677	ng	# 1
19) n-Nitroso-di-n-propyla...	9.374	70	21194	8.805	ng	# 72
48) 2-Nitroaniline	13.469	65	830	3.538	ng	# 1
51) 2,6-Dinitrotoluene	14.838	165	17567	12.657	ng	# 18
57) 2,4-Dinitrotoluene	14.838	165	17567	9.191	ng	# 21
63) Azobenzene	16.178	77	30248	3.074	ng	# 1
65) 4,6-Dinitro-2-methylph...	16.313	198	310	5.607	ng	97
67) 4-Bromophenyl-phenylether	16.313	248	11682	2.852	ng	# 1
77) Benzidine	20.161	184	13980	2.105	ng	# 96

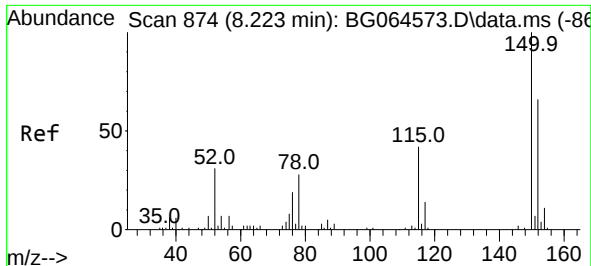
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

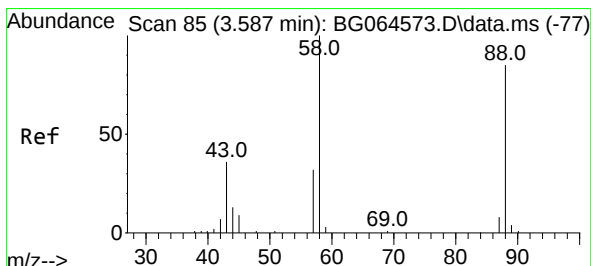
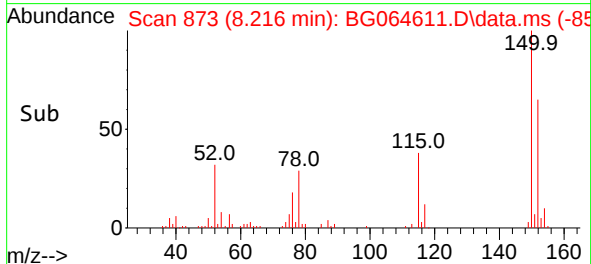
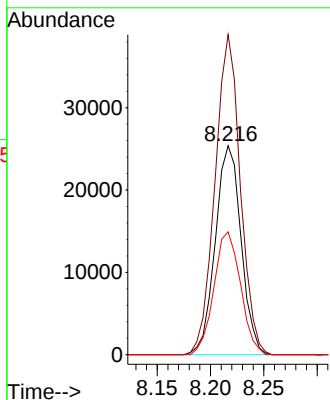
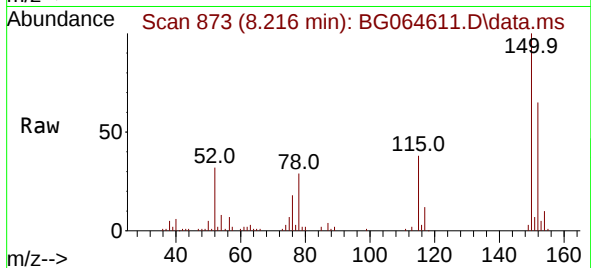




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.216 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG064611.D
Acq: 28 Oct 2025 21:18

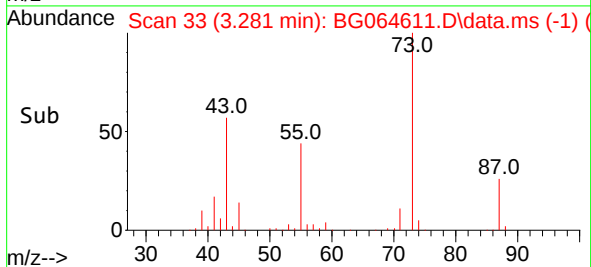
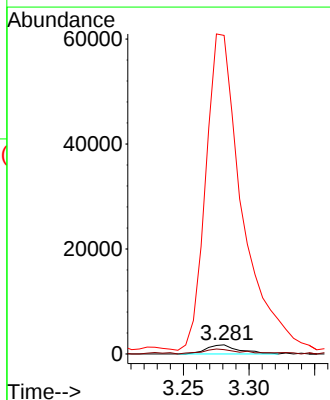
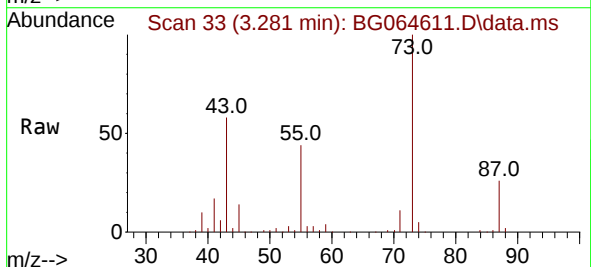
Instrument :
BNA_G
ClientSampleId :
WC-2

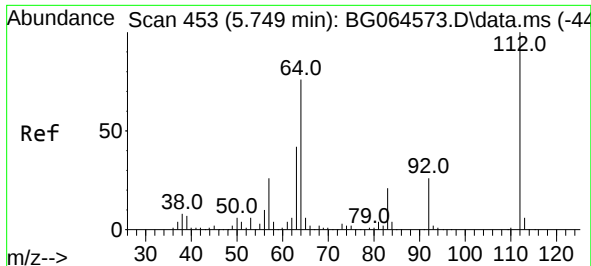
Tgt Ion:152 Resp: 42602
Ion Ratio Lower Upper
152 100
150 153.2 122.2 183.4
115 58.8 50.8 76.2



#2
1,4-Dioxane
Concen: 2.677 ng
RT: 3.281 min Scan# 33
Delta R.T. -0.310 min
Lab File: BG064611.D
Acq: 28 Oct 2025 21:18

Tgt Ion: 88 Resp: 3008
Ion Ratio Lower Upper
88 100
58 64.1 92.4 138.6#
43 3924.5 33.0 49.6#

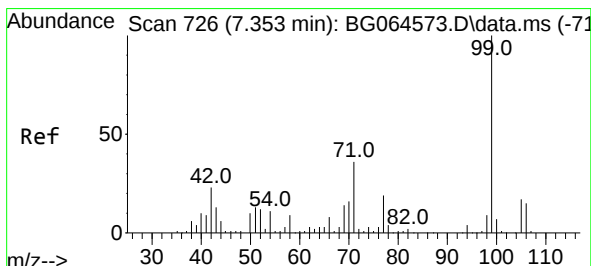
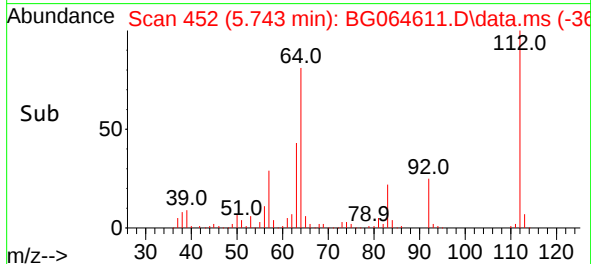
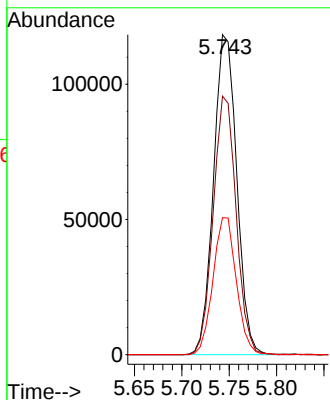
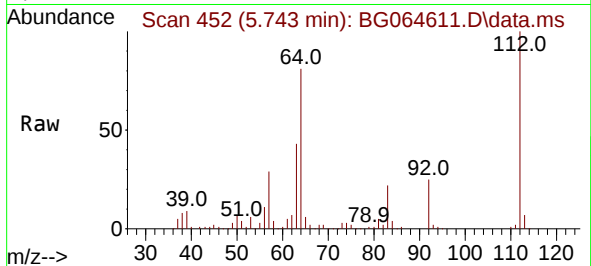




#5
2-Fluorophenol
Concen: 79.544 ng
RT: 5.743 min Scan# 41
Delta R.T. -0.004 min
Lab File: BG064611.D
Acq: 28 Oct 2025 21:18

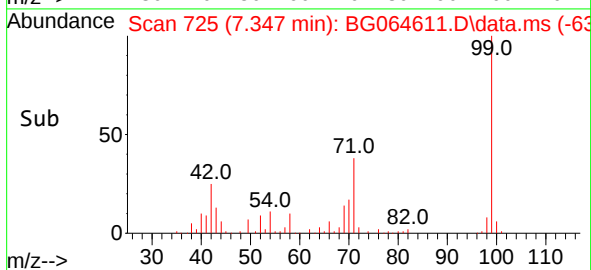
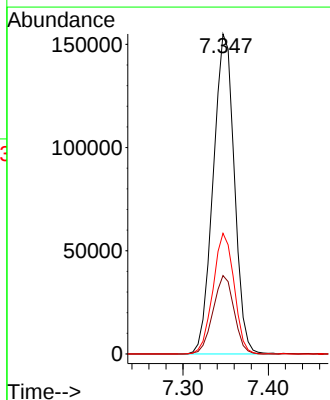
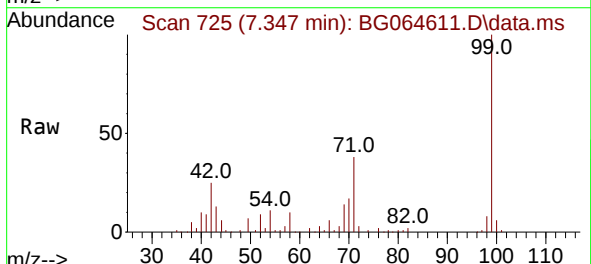
Instrument :
BNA_G
ClientSampleId :
WC-2

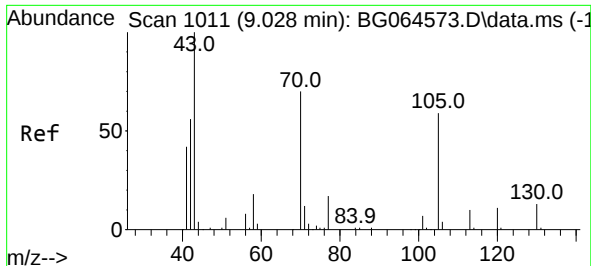
Tgt Ion:112 Resp: 201890
Ion Ratio Lower Upper
112 100
64 80.8 60.7 91.1
63 42.8 33.4 50.0



#7
Phenol-d6
Concen: 76.751 ng
RT: 7.347 min Scan# 725
Delta R.T. -0.010 min
Lab File: BG064611.D
Acq: 28 Oct 2025 21:18

Tgt Ion: 99 Resp: 267309
Ion Ratio Lower Upper
99 100
42 24.5 18.3 27.5
71 37.7 28.6 43.0

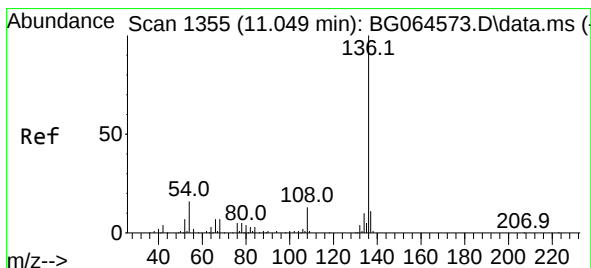
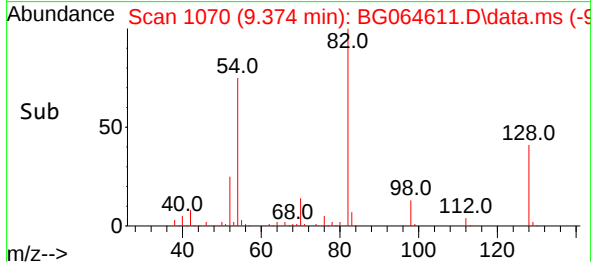
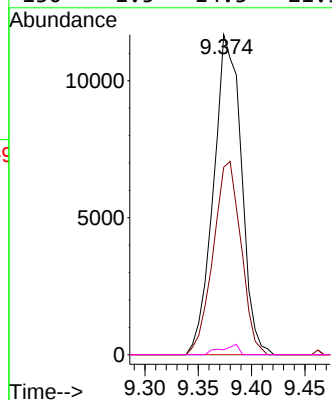
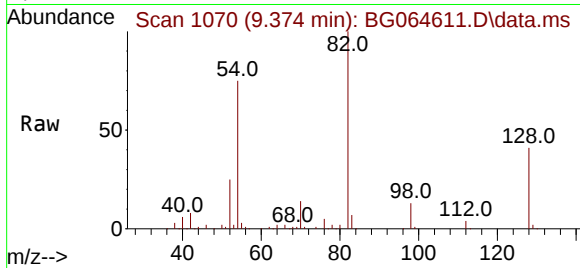




#19
n-Nitroso-di-n-propylamine
Concen: 8.805 ng
RT: 9.374 min Scan# 1011
Delta R.T. 0.343 min
Lab File: BG064611.D
Acq: 28 Oct 2025 21:18

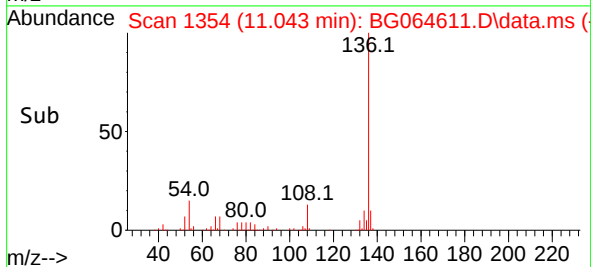
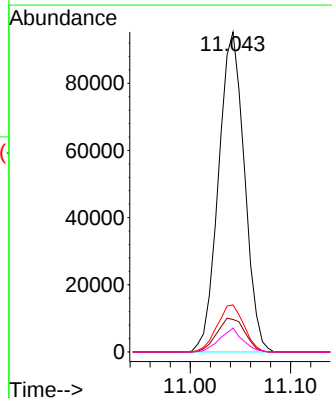
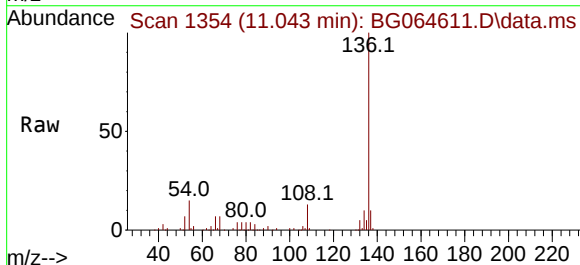
Instrument :
BNA_G
ClientSampleId :
WC-2

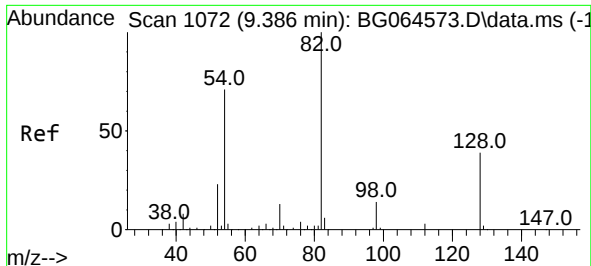
Tgt Ion:	70	Resp:	21194
Ion	Ratio	Lower	Upper
70	100		
42	58.6	65.2	97.8#
101	0.0	7.9	11.9#
130	1.5	14.3	21.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.043 min Scan# 1354
Delta R.T. -0.010 min
Lab File: BG064611.D
Acq: 28 Oct 2025 21:18

Tgt Ion:	136	Resp:	170529
Ion	Ratio	Lower	Upper
136	100		
137	10.1	9.2	13.8
54	14.7	12.6	19.0
68	7.5	5.7	8.5

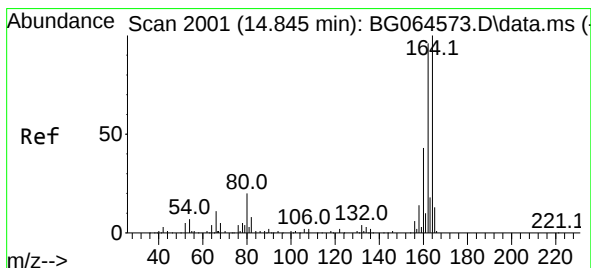
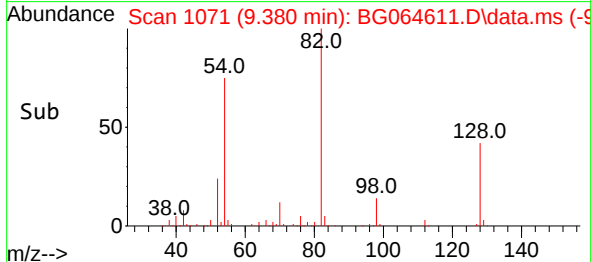
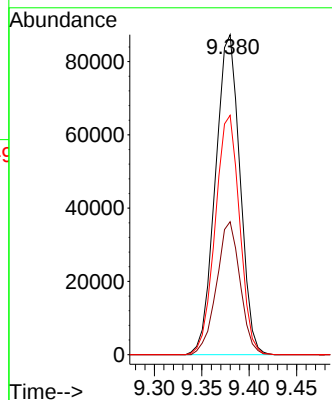
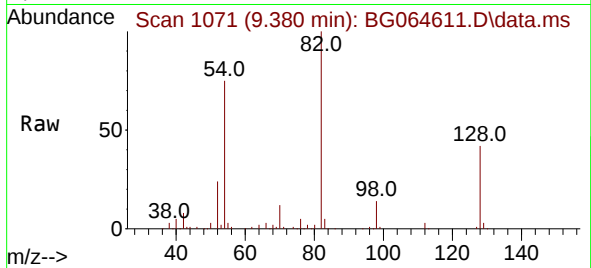




#23
Nitrobenzene-d5
Concen: 55.456 ng
RT: 9.380 min Scan# 1072
Delta R.T. -0.010 min
Lab File: BG064611.D
Acq: 28 Oct 2025 21:18

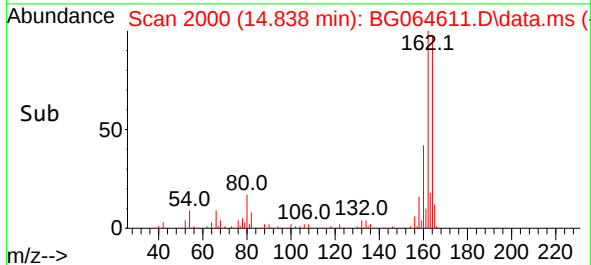
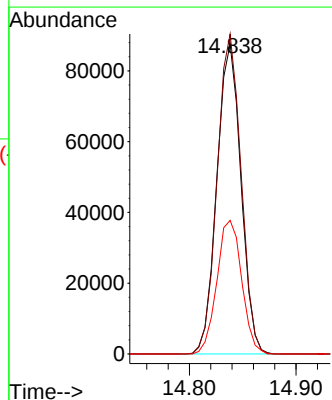
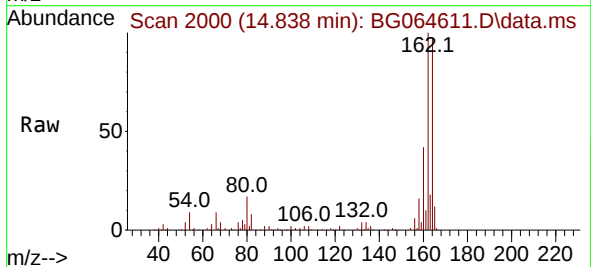
Instrument :
BNA_G
ClientSampleId :
WC-2

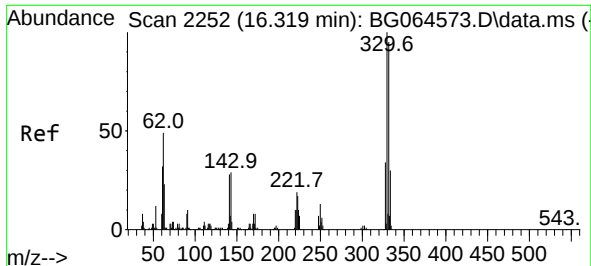
Tgt Ion: 82 Resp: 157450
Ion Ratio Lower Upper
82 100
128 41.5 31.3 46.9
54 74.8 56.6 84.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.838 min Scan# 2000
Delta R.T. -0.004 min
Lab File: BG064611.D
Acq: 28 Oct 2025 21:18

Tgt Ion: 164 Resp: 137243
Ion Ratio Lower Upper
164 100
162 103.2 77.0 115.6
160 43.1 34.4 51.6

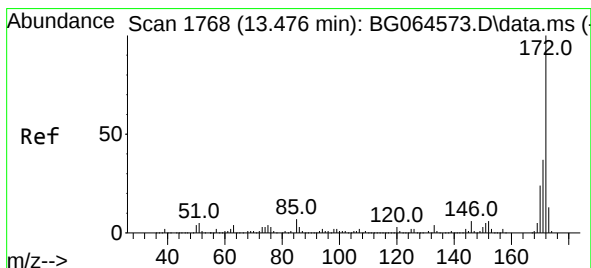
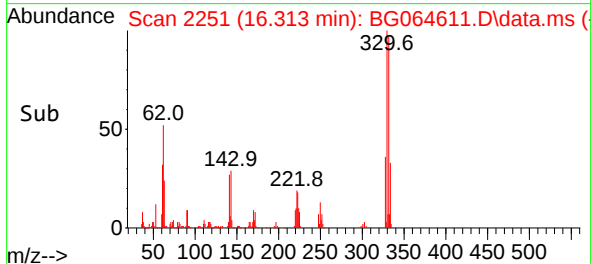
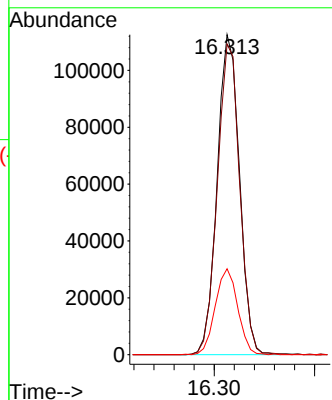
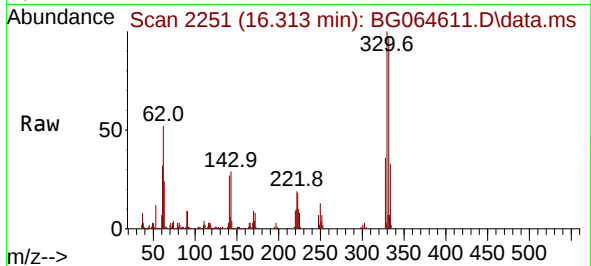




#42
2,4,6-Tribromophenol
Concen: 87.522 ng
RT: 16.313 min Scan# 21
Delta R.T. -0.010 min
Lab File: BG064611.D
Acq: 28 Oct 2025 21:18

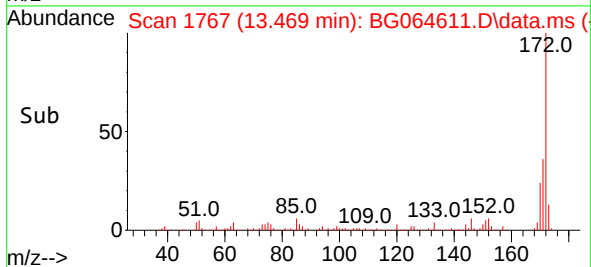
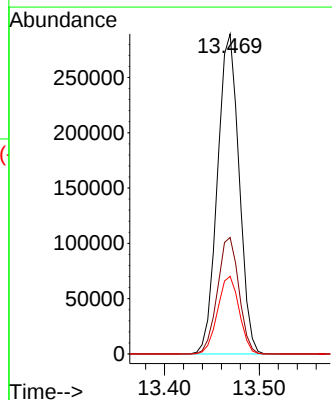
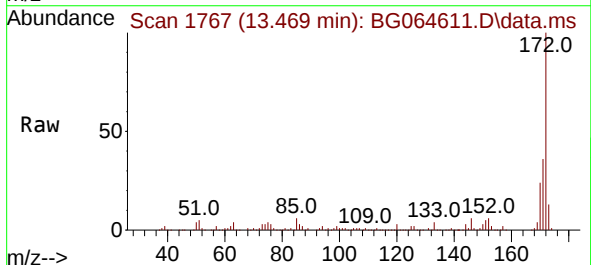
Instrument :
BNA_G
ClientSampleId :
WC-2

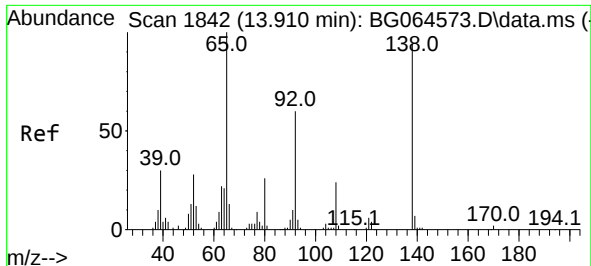
Tgt Ion:330 Resp: 173367
Ion Ratio Lower Upper
330 100
332 97.3 78.0 117.0
141 27.1 21.8 32.6



#45
2-Fluorobiphenyl
Concen: 50.571 ng
RT: 13.469 min Scan# 1767
Delta R.T. -0.010 min
Lab File: BG064611.D
Acq: 28 Oct 2025 21:18

Tgt Ion:172 Resp: 457891
Ion Ratio Lower Upper
172 100
171 36.4 29.4 44.0
170 24.3 19.1 28.7

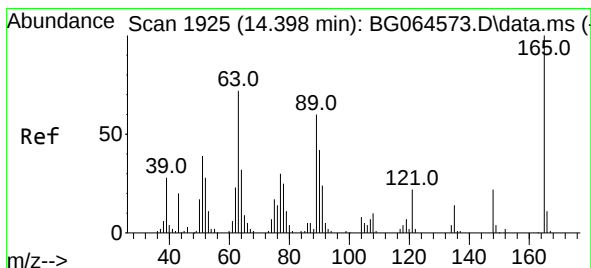
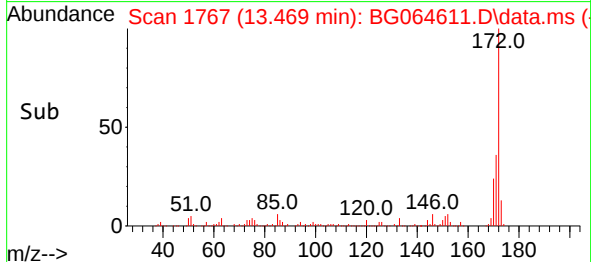
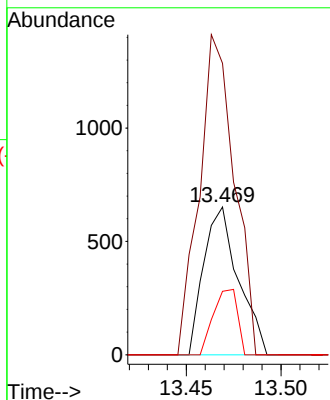
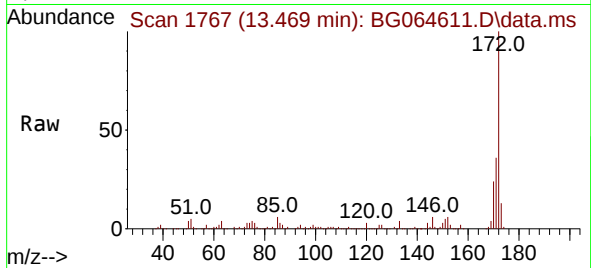




#48
2-Nitroaniline
Concen: 3.538 ng
RT: 13.469 min Scan# 1
Delta R.T. -0.445 min
Lab File: BG064611.D
Acq: 28 Oct 2025 21:18

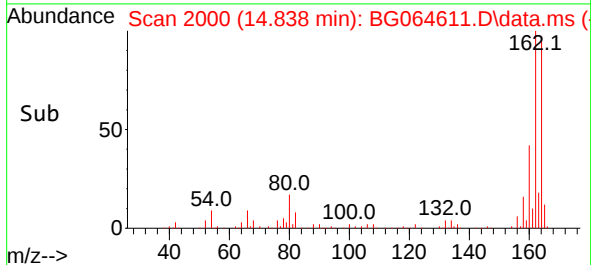
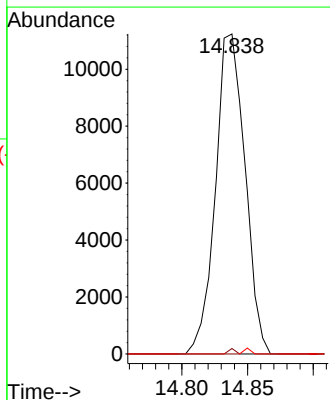
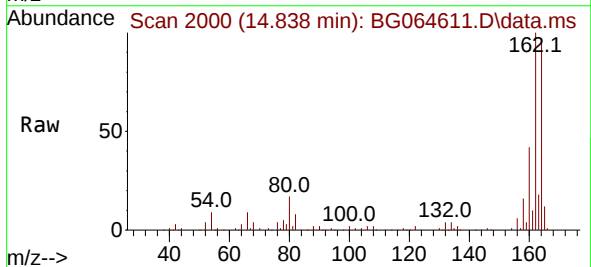
Instrument :
BNA_G
ClientSampleId :
WC-2

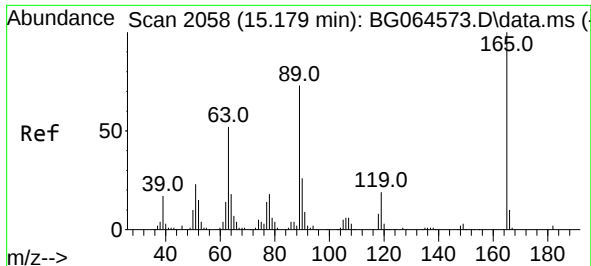
Tgt Ion: 65 Resp: 830
Ion Ratio Lower Upper
65 100
92 197.2 48.3 72.5#
138 42.9 74.9 112.3#



#51
2,6-Dinitrotoluene
Concen: 12.657 ng
RT: 14.838 min Scan# 2000
Delta R.T. 0.436 min
Lab File: BG064611.D
Acq: 28 Oct 2025 21:18

Tgt Ion:165 Resp: 17567
Ion Ratio Lower Upper
165 100
63 1.7 57.4 86.0#
89 0.0 47.8 71.8#





#57

2,4-Dinitrotoluene

Concen: 9.191 ng

RT: 14.838 min Scan# 2058

Delta R.T. -0.351 min

Lab File: BG064611.D

Acq: 28 Oct 2025 21:18

Instrument :

BNA_G

ClientSampleId :

WC-2

Tgt Ion:165 Resp: 17567

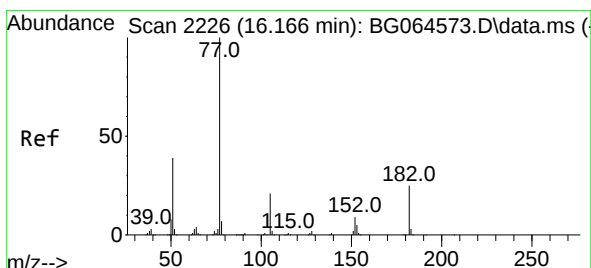
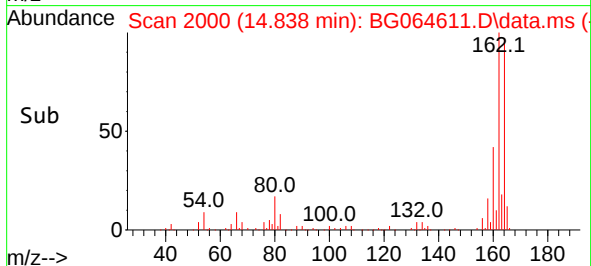
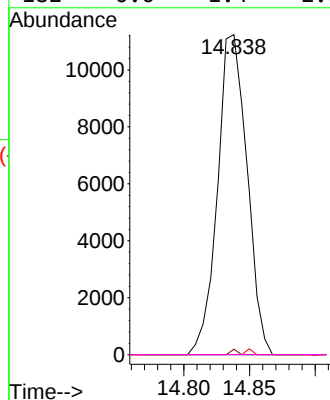
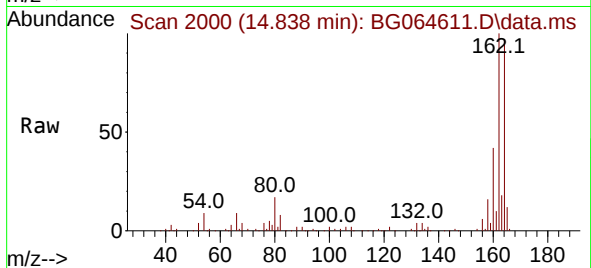
Ion Ratio Lower Upper

165 100

63 1.7 41.8 62.8#

89 0.0 58.1 87.1#

182 0.0 1.4 2.0#



#63

Azobenzene

Concen: 3.074 ng

RT: 16.178 min Scan# 2228

Delta R.T. 0.008 min

Lab File: BG064611.D

Acq: 28 Oct 2025 21:18

Tgt Ion: 77 Resp: 30248

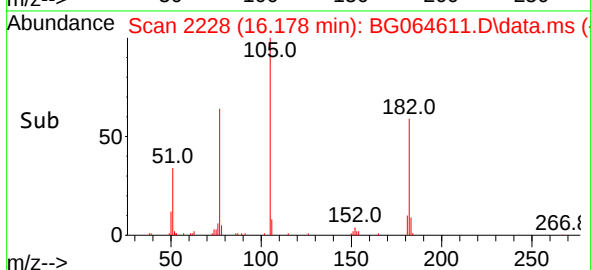
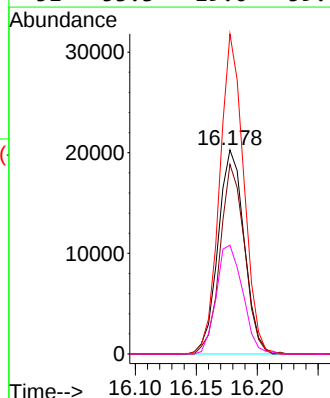
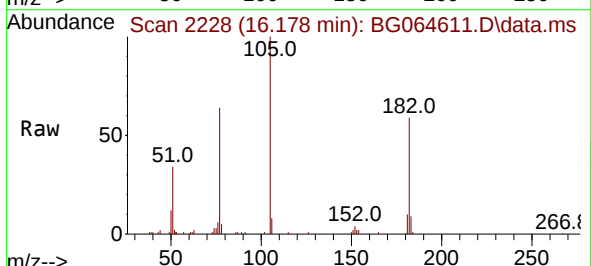
Ion Ratio Lower Upper

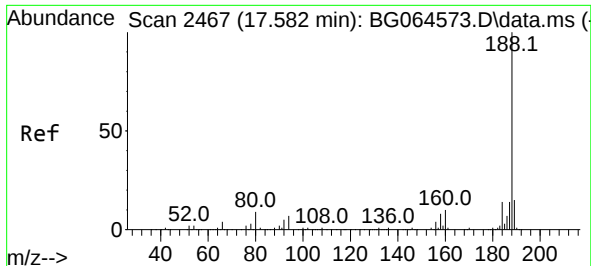
77 100

182 92.9 4.9 44.9#

105 156.8 1.3 41.3#

51 53.3 19.0 59.0

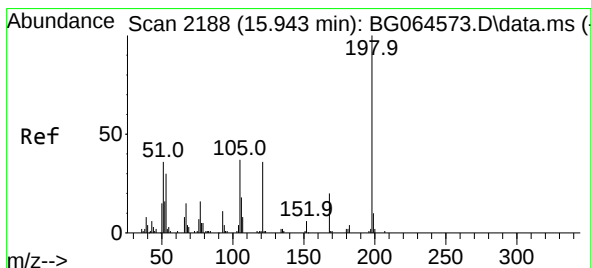
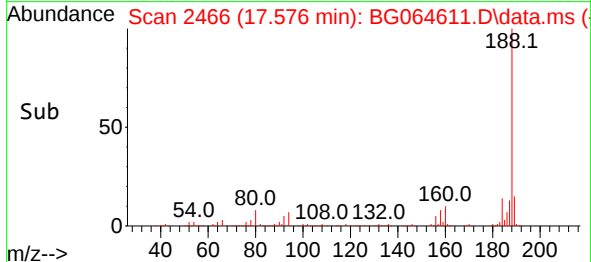
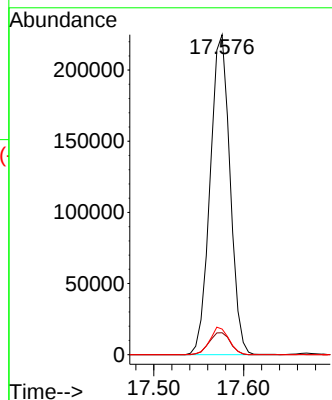
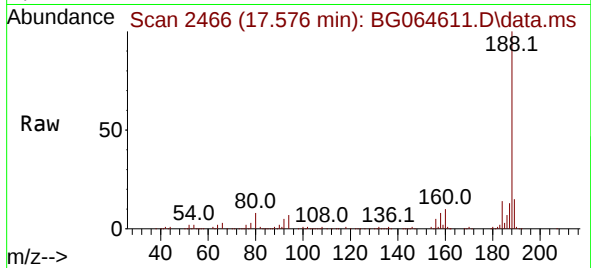




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.576 min Scan# 2467
Delta R.T. -0.004 min
Lab File: BG064611.D
Acq: 28 Oct 2025 21:18

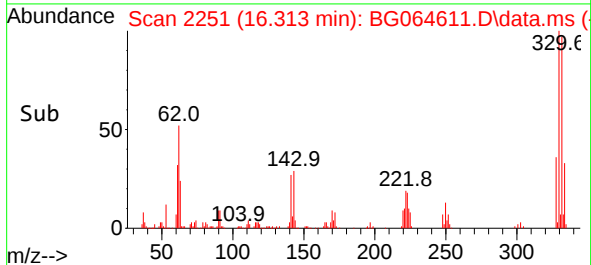
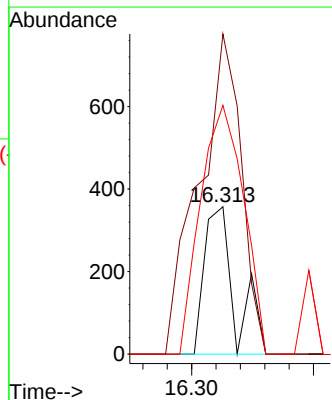
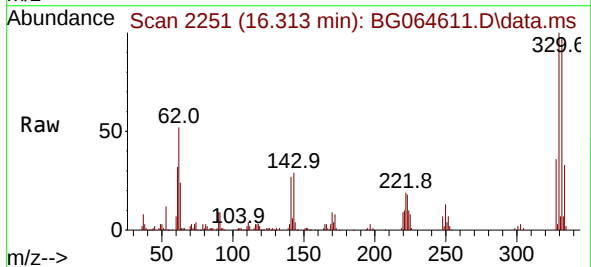
Instrument :
BNA_G
ClientSampleId :
WC-2

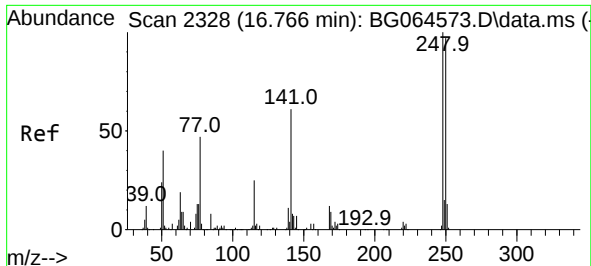
Tgt Ion:188 Resp: 345627
Ion Ratio Lower Upper
188 100
94 6.9 5.7 8.5
80 8.0 6.8 10.2



#65
4,6-Dinitro-2-methylphenol
Concen: 5.607 ng
RT: 16.313 min Scan# 2251
Delta R.T. 0.366 min
Lab File: BG064611.D
Acq: 28 Oct 2025 21:18

Tgt Ion:198 Resp: 310
Ion Ratio Lower Upper
198 100
51 47.2 24.7 64.7
105 36.7 18.0 58.0

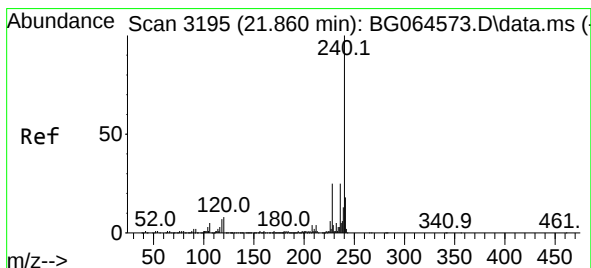
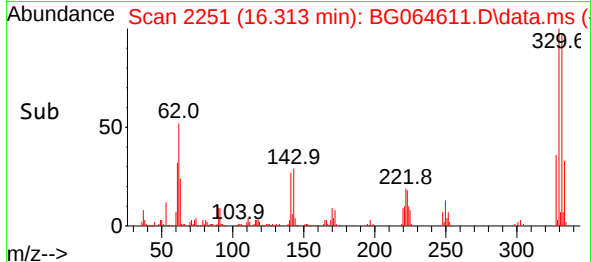
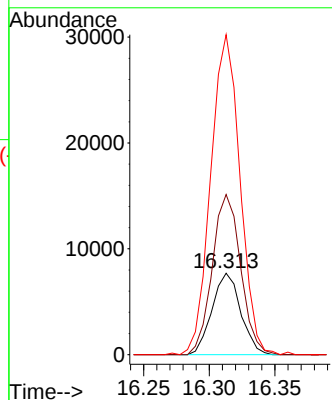
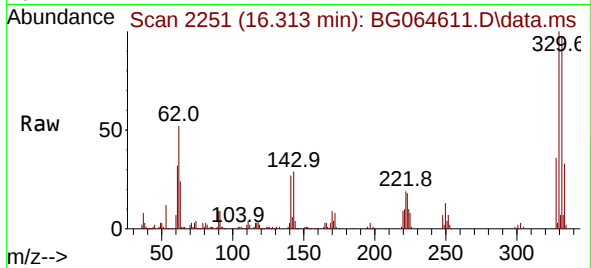




#67
4-Bromophenyl-phenylether
Concen: 2.852 ng
RT: 16.313 min Scan# 21
Delta R.T. -0.457 min
Lab File: BG064611.D
Acq: 28 Oct 2025 21:18

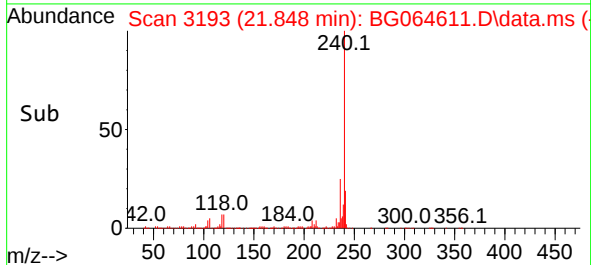
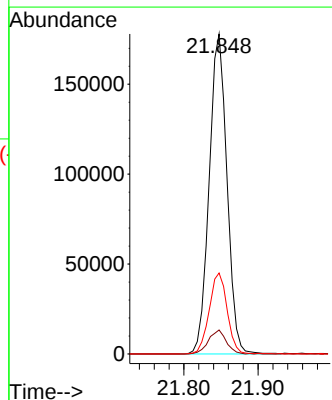
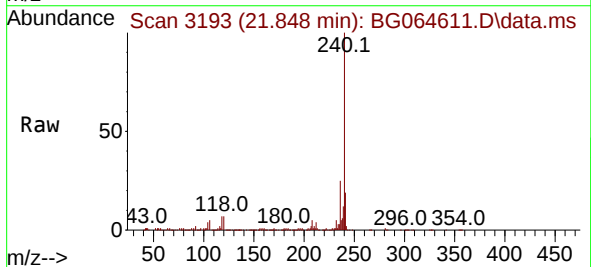
Instrument :
BNA_G
ClientSampleId :
WC-2

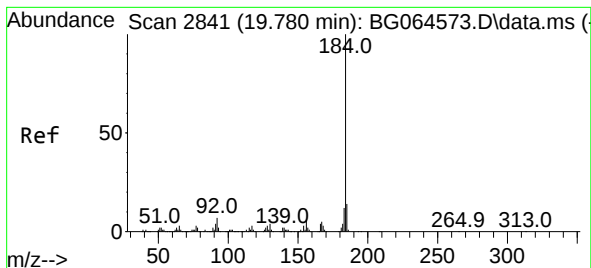
Tgt Ion:248 Resp: 11682
Ion Ratio Lower Upper
248 100
250 150.7 77.7 116.5#
141 301.1 48.6 72.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.848 min Scan# 3193
Delta R.T. -0.016 min
Lab File: BG064611.D
Acq: 28 Oct 2025 21:18

Tgt Ion:240 Resp: 296433
Ion Ratio Lower Upper
240 100
120 7.5 6.5 9.7
236 25.3 20.2 30.2





#77

Benzidine

Concen: 2.105 ng

RT: 20.161 min Scan# 2906

Delta R.T. 0.378 min

Lab File: BG064611.D

Acq: 28 Oct 2025 21:18

Instrument :

BNA_G

ClientSampleId :

WC-2

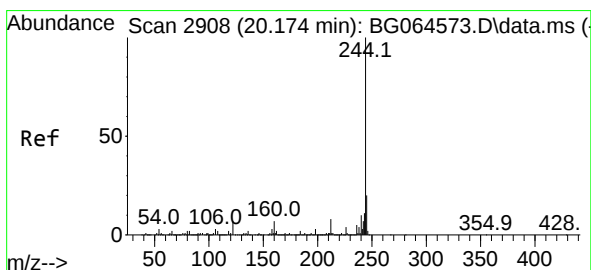
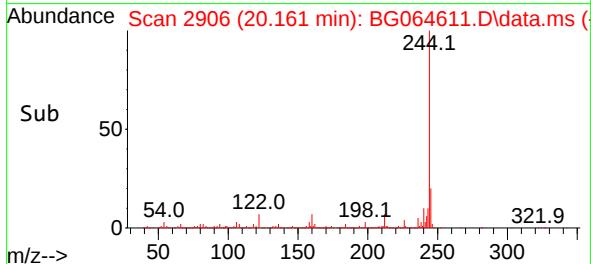
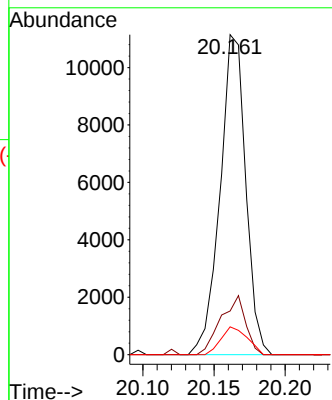
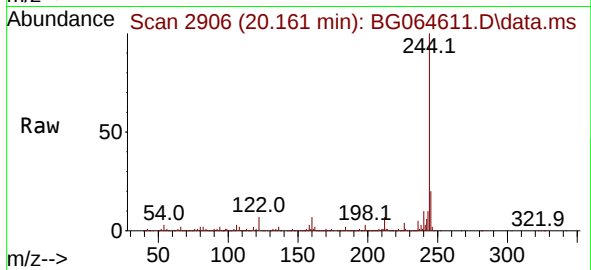
Tgt Ion:184 Resp: 13980

Ion Ratio Lower Upper

184 100

185 13.7 11.4 17.2

183 8.7 9.4 14.2#



#79

Terphenyl-d14

Concen: 56.896 ng

RT: 20.161 min Scan# 2906

Delta R.T. -0.016 min

Lab File: BG064611.D

Acq: 28 Oct 2025 21:18

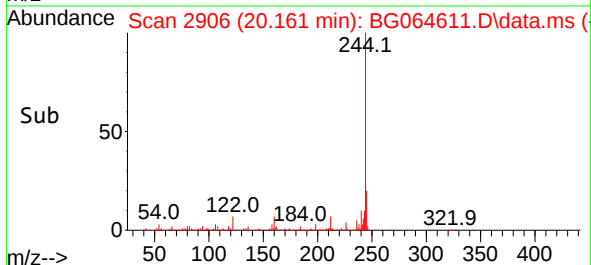
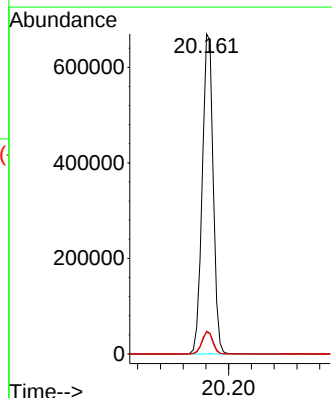
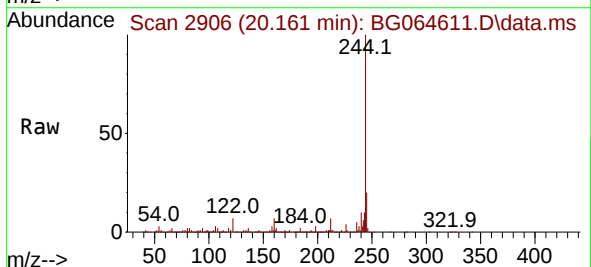
Tgt Ion:244 Resp: 893720

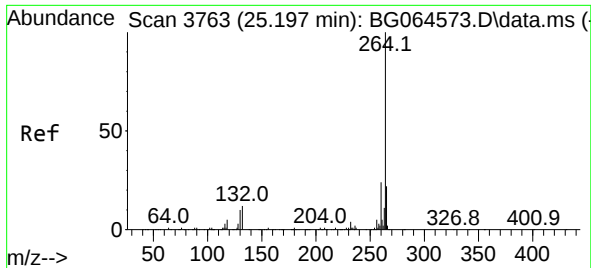
Ion Ratio Lower Upper

244 100

212 7.1 6.1 9.1

122 6.7 5.6 8.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.185 min Scan# 31
Delta R.T. -0.016 min
Lab File: BG064611.D
Acq: 28 Oct 2025 21:18

Instrument :
BNA_G
ClientSampleId :
WC-2

Tgt Ion:264 Resp: 323885

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.0	28.4
265	22.9	17.6	26.4

