

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
 Data File : BG064661.D
 Acq On : 31 Oct 2025 18:16
 Operator : RC/JU
 Sample : Q3495-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 31 18:57:05 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)

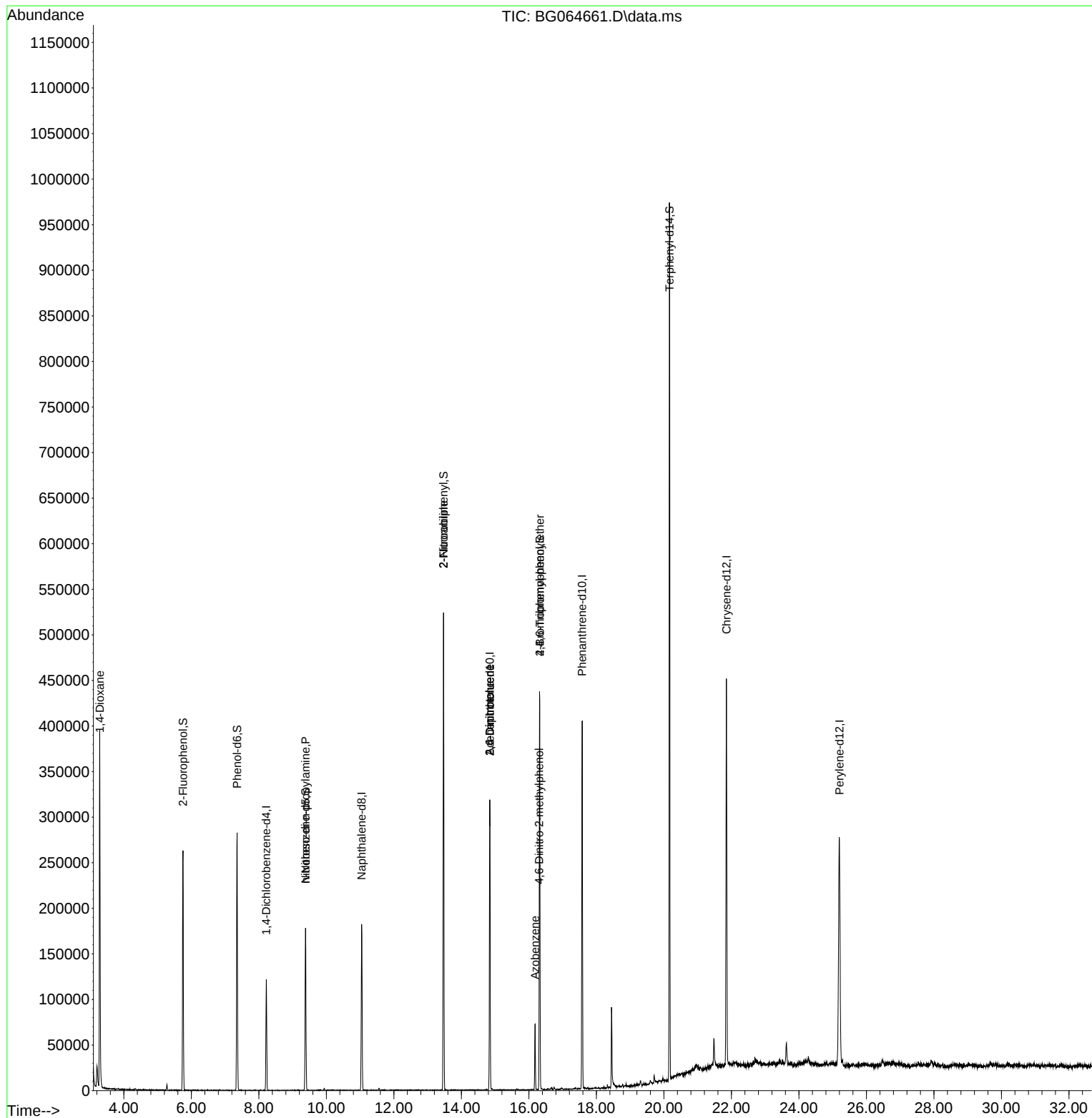
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.218	152	34654	20.000	ng	0.00
21) Naphthalene-d8	11.044	136	149932	20.000	ng	0.00
39) Acenaphthene-d10	14.840	164	117242	20.000	ng	0.00
64) Phenanthrene-d10	17.578	188	256901	20.000	ng	0.00
76) Chrysene-d12	21.849	240	284288	20.000	ng	-0.01
86) Perylene-d12	25.198	264	312271	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.750	112	106181	51.430	ng	0.00
7) Phenol-d6	7.354	99	153187	54.072	ng	0.00
23) Nitrobenzene-d5	9.381	82	98484	39.453	ng	0.00
42) 2,4,6-Tribromophenol	16.320	330	99084	58.555	ng	0.00
45) 2-Fluorobiphenyl	13.471	172	277463	35.871	ng	0.00
79) Terphenyl-d14	20.163	244	510907	33.915	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.288	88	3305	3.616	ng	# 1
19) n-Nitroso-di-n-propyla...	9.381	70	12940	6.609	ng	# 68
48) 2-Nitroaniline	13.471	65	385	3.395	ng	# 1
51) 2,6-Dinitrotoluene	14.840	165	14960	12.627	ng	# 20
57) 2,4-Dinitrotoluene	14.840	165	14960	9.172	ng	# 22
63) Azobenzene	16.185	77	20786	2.473	ng	# 1
65) 4,6-Dinitro-2-methylph...	16.303	198	123	5.523	ng	# 34
67) 4-Bromophenyl-phenylether	16.320	248	6340	2.083	ng	# 1

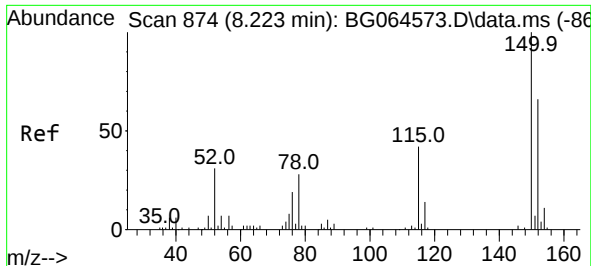
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
Data File : BG064661.D
Acq On : 31 Oct 2025 18:16
Operator : RC/JU
Sample : Q3495-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

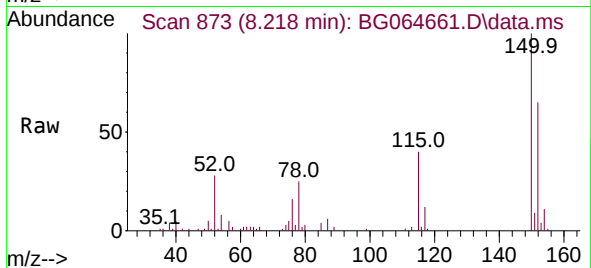
Quant Time: Oct 31 18:57:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration



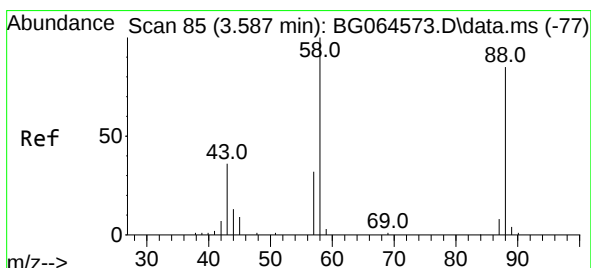
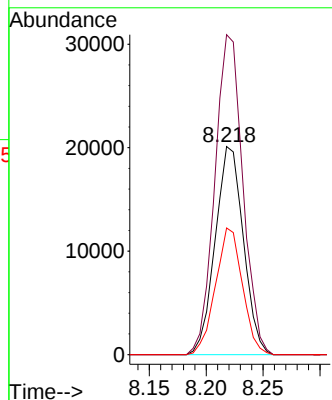
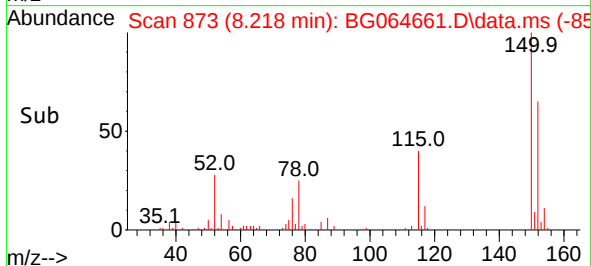


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.218 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG064661.D
Acq: 31 Oct 2025 18:16

Instrument :
BNA_G
ClientSampleId :

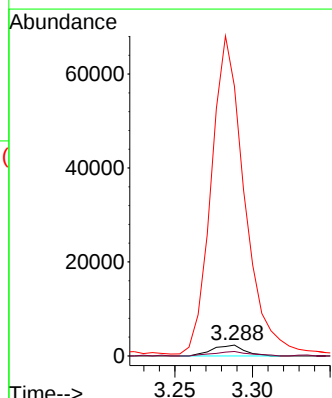
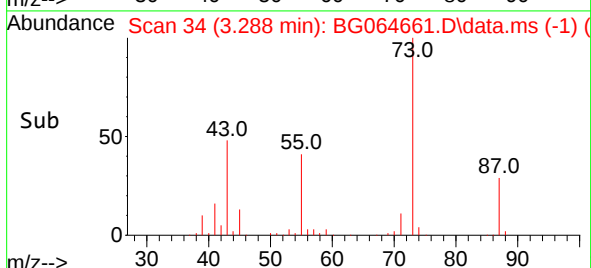
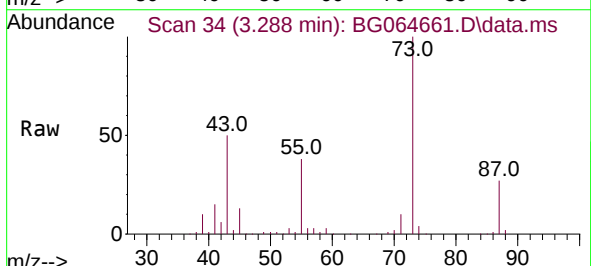


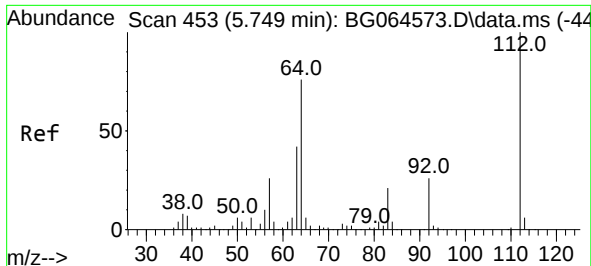
Tgt Ion:152 Resp: 34654
Ion Ratio Lower Upper
152 100
150 153.8 122.2 183.4
115 60.8 50.8 76.2



#2
1,4-Dioxane
Concen: 3.616 ng
RT: 3.288 min Scan# 34
Delta R.T. -0.302 min
Lab File: BG064661.D
Acq: 31 Oct 2025 18:16

Tgt Ion: 88 Resp: 3305
Ion Ratio Lower Upper
88 100
58 45.8 92.4 138.6#
43 3074.4 33.0 49.6#

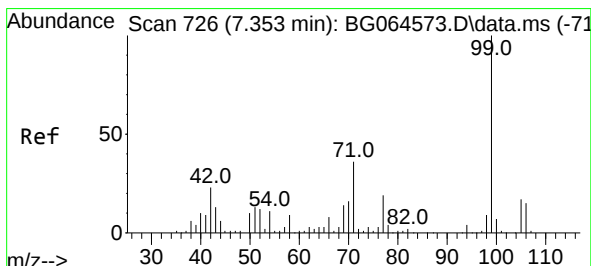
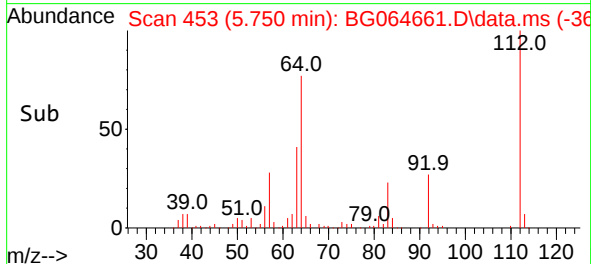
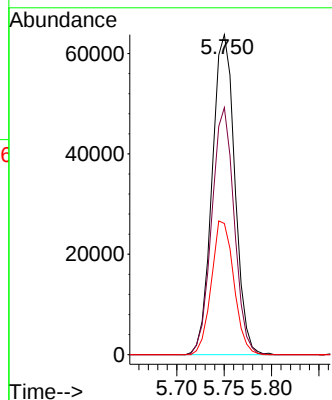
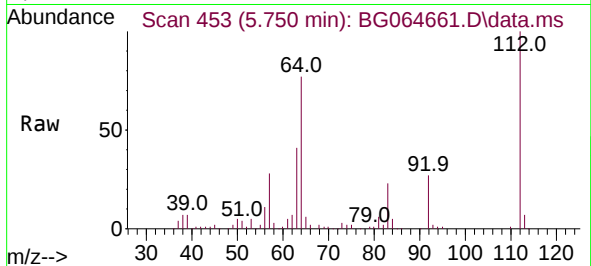




#5
2-Fluorophenol
Concen: 51.430 ng
RT: 5.750 min Scan# 453
Delta R.T. 0.003 min
Lab File: BG064661.D
Acq: 31 Oct 2025 18:16

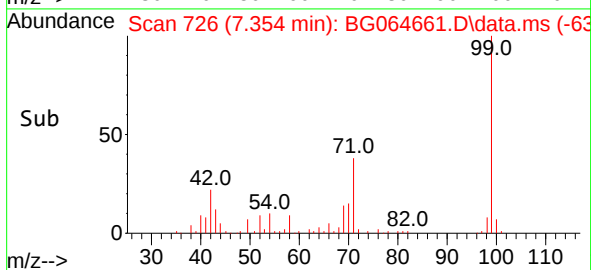
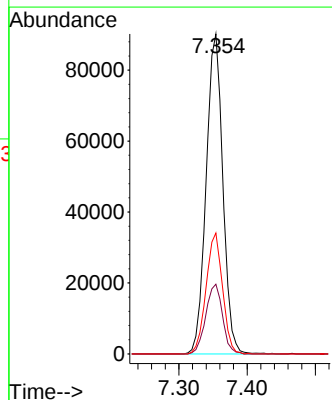
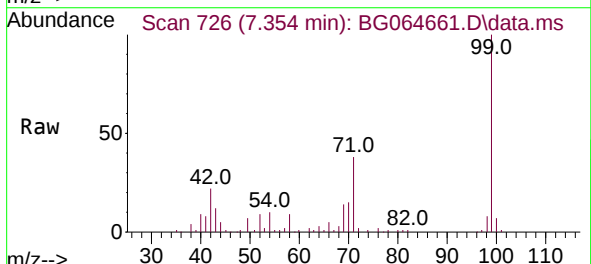
Instrument :
BNA_G
ClientSampleId :

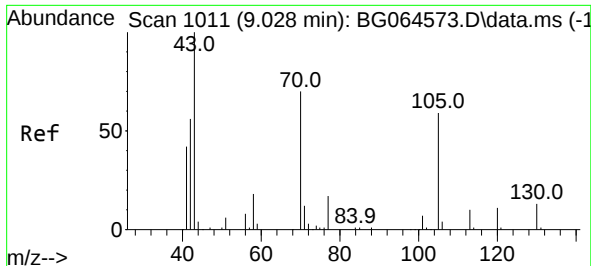
Tgt Ion:112 Resp: 106181
Ion Ratio Lower Upper
112 100
64 77.2 60.7 91.1
63 41.0 33.4 50.0



#7
Phenol-d6
Concen: 54.072 ng
RT: 7.354 min Scan# 726
Delta R.T. -0.003 min
Lab File: BG064661.D
Acq: 31 Oct 2025 18:16

Tgt Ion: 99 Resp: 153187
Ion Ratio Lower Upper
99 100
42 21.8 18.3 27.5
71 37.8 28.6 43.0





#19

n-Nitroso-di-n-propylamine

Concen: 6.609 ng

RT: 9.381 min Scan# 1011

Delta R.T. 0.350 min

Lab File: BG064661.D

Acq: 31 Oct 2025 18:16

Instrument :

BNA_G

ClientSampleId :

Tgt Ion: 70 Resp: 12940

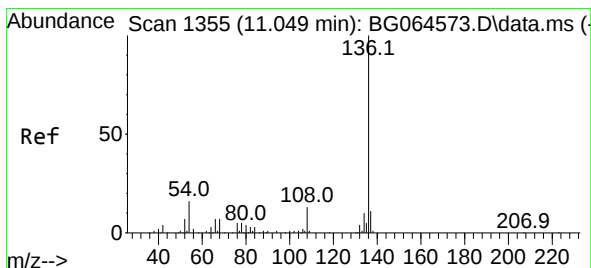
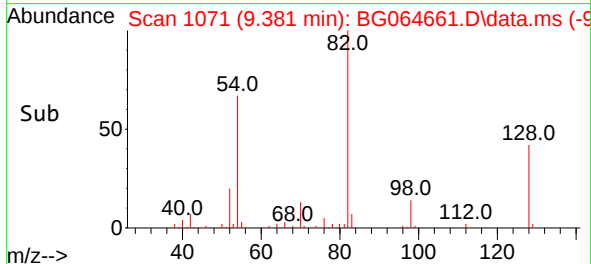
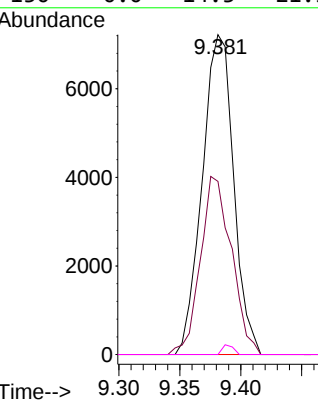
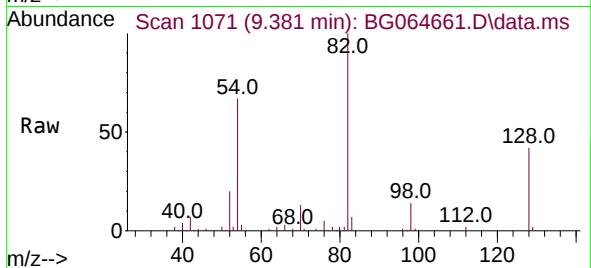
Ion Ratio Lower Upper

70 100

42 54.1 65.2 97.8#

101 0.0 7.9 11.9#

130 0.0 14.3 21.5#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.044 min Scan# 1354

Delta R.T. -0.008 min

Lab File: BG064661.D

Acq: 31 Oct 2025 18:16

Tgt Ion:136 Resp: 149932

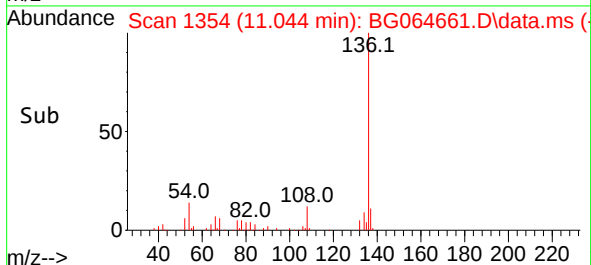
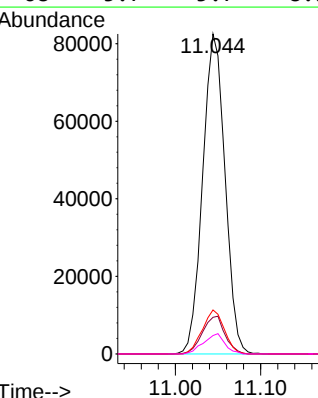
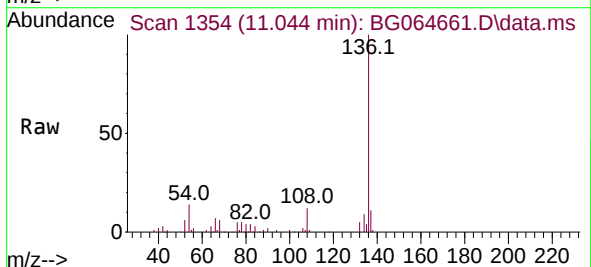
Ion Ratio Lower Upper

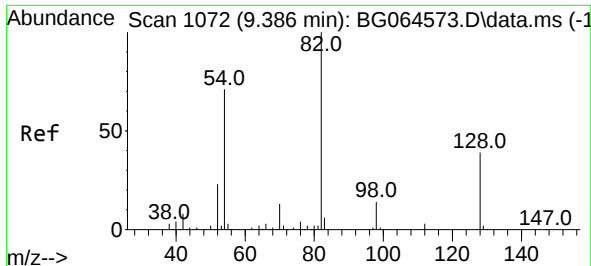
136 100

137 11.4 9.2 13.8

54 13.7 12.6 19.0

68 5.7 5.7 8.5





#23

Nitrobenzene-d5

Concen: 39.453 ng

RT: 9.381 min Scan# 10

Delta R.T. -0.009 min

Lab File: BG064661.D

Acq: 31 Oct 2025 18:16

Instrument :

BNA_G

ClientSampleId :

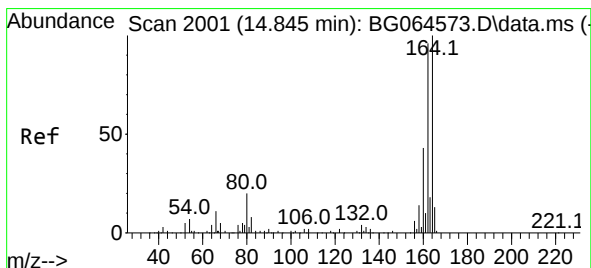
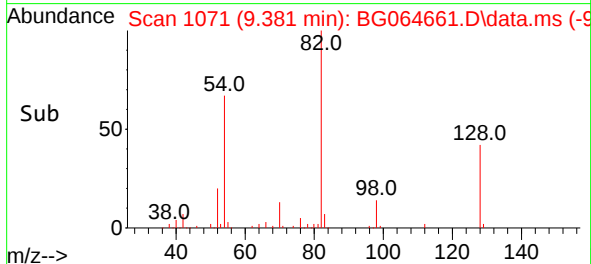
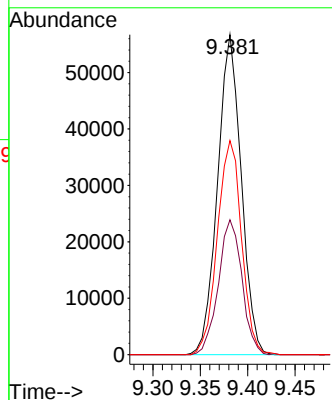
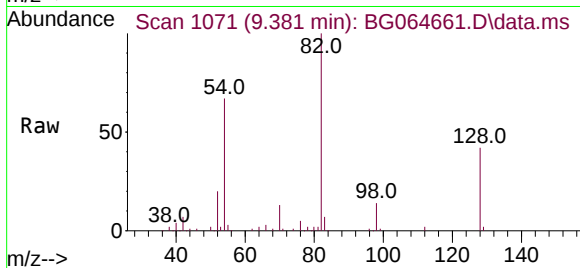
Tgt Ion: 82 Resp: 98484

Ion Ratio Lower Upper

82 100

128 42.1 31.3 46.9

54 66.9 56.6 84.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.840 min Scan# 2000

Delta R.T. -0.003 min

Lab File: BG064661.D

Acq: 31 Oct 2025 18:16

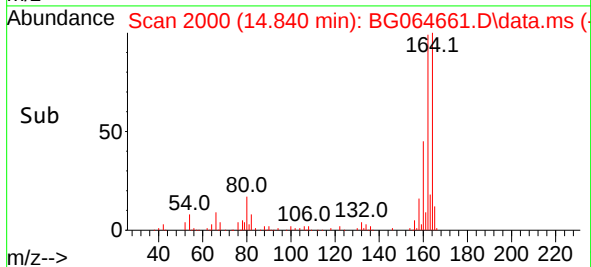
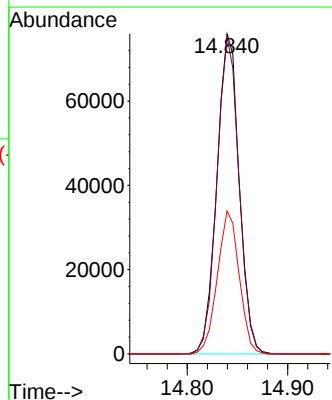
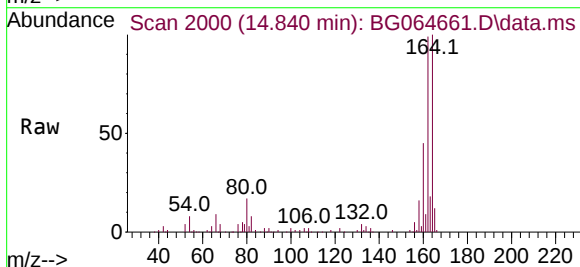
Tgt Ion: 164 Resp: 117242

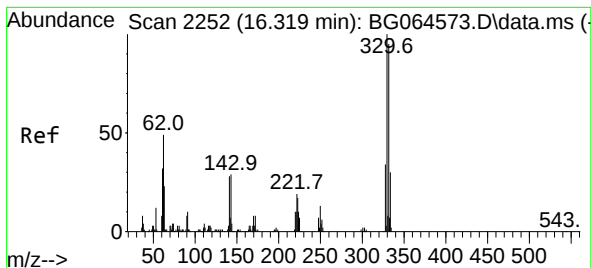
Ion Ratio Lower Upper

164 100

162 99.1 77.0 115.6

160 44.7 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 58.555 ng

RT: 16.320 min Scan# 21

Delta R.T. -0.003 min

Lab File: BG064661.D

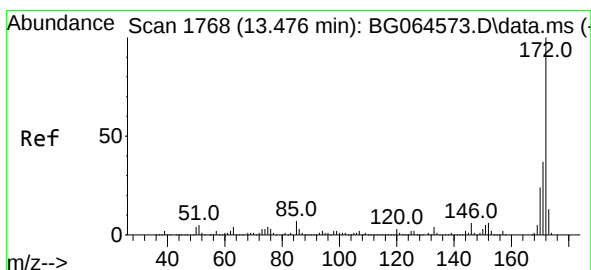
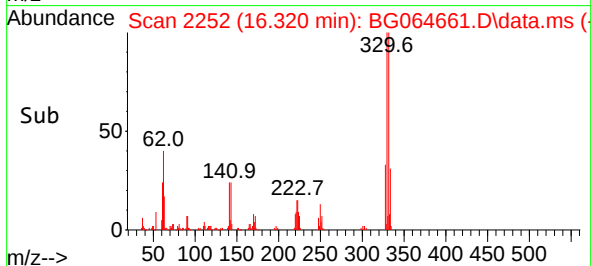
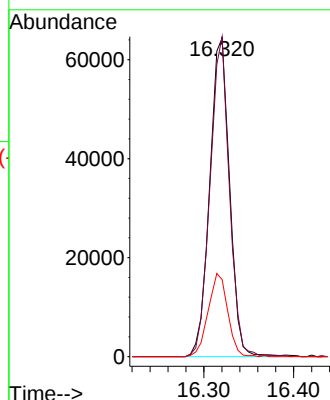
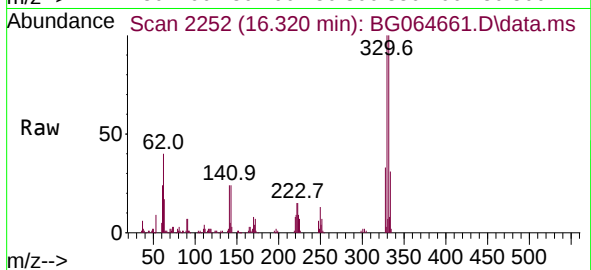
Acq: 31 Oct 2025 18:16

Instrument :

BNA_G

ClientSampleId :

Tgt Ion:	330	Resp:	99084
Ion Ratio	Lower	Upper	
330	100		
332	97.4	78.0	117.0
141	25.7	21.8	32.6



#45

2-Fluorobiphenyl

Concen: 35.871 ng

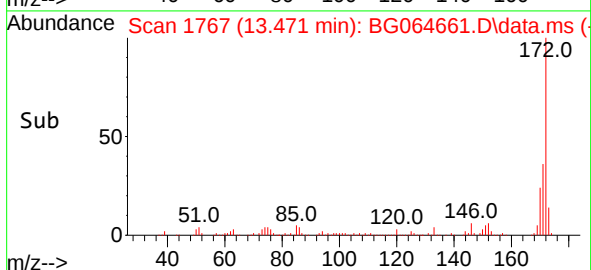
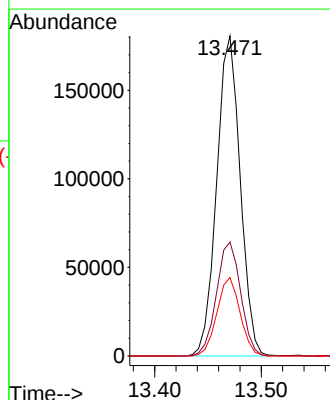
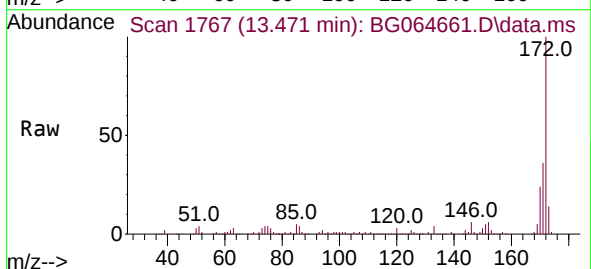
RT: 13.471 min Scan# 1767

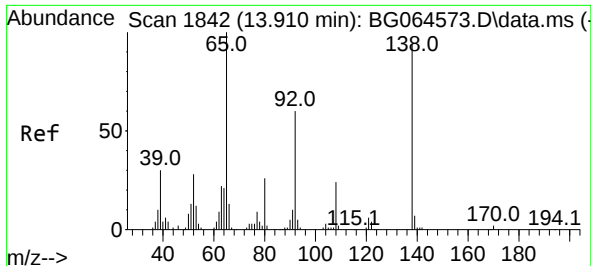
Delta R.T. -0.008 min

Lab File: BG064661.D

Acq: 31 Oct 2025 18:16

Tgt Ion:	172	Resp:	277463
Ion Ratio	Lower	Upper	
172	100		
171	35.6	29.4	44.0
170	24.5	19.1	28.7

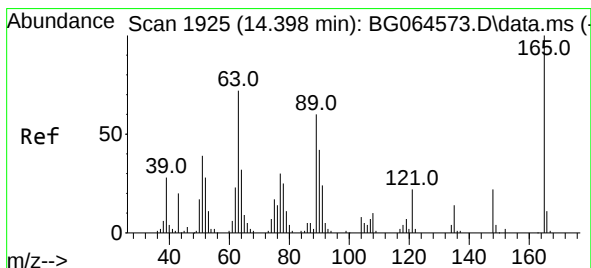
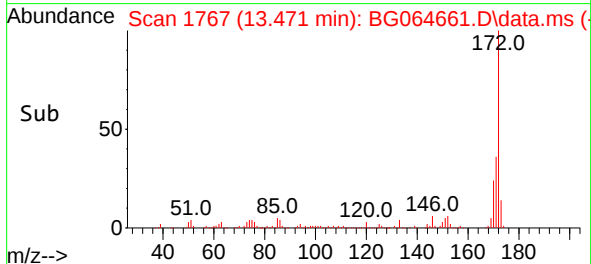
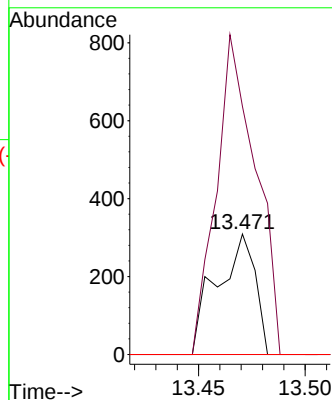
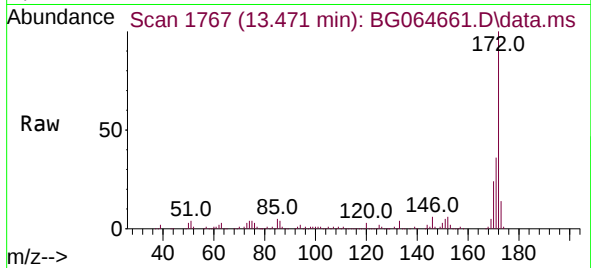




#48
2-Nitroaniline
Concen: 3.395 ng
RT: 13.471 min Scan# 11
Delta R.T. -0.443 min
Lab File: BG064661.D
Acq: 31 Oct 2025 18:16

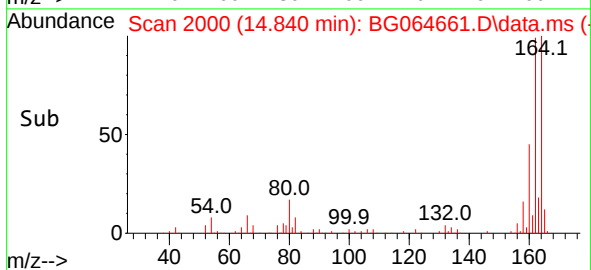
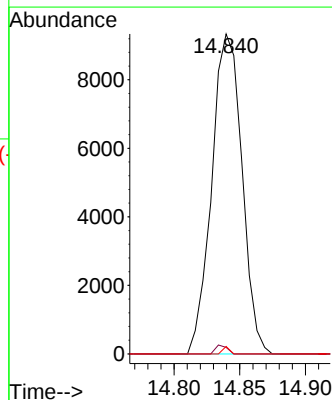
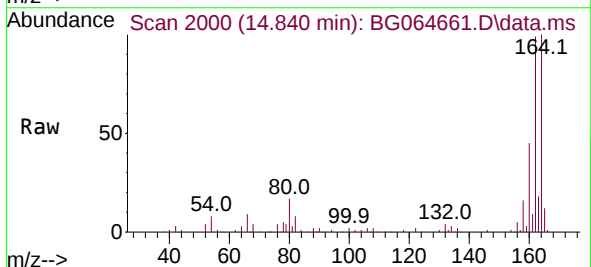
Instrument :
BNA_G
ClientSampleId :

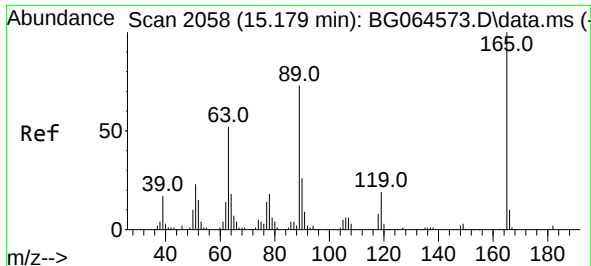
Tgt Ion: 65 Resp: 385
Ion Ratio Lower Upper
65 100
92 206.1 48.3 72.5#
138 0.0 74.9 112.3#



#51
2,6-Dinitrotoluene
Concen: 12.627 ng
RT: 14.840 min Scan# 2000
Delta R.T. 0.438 min
Lab File: BG064661.D
Acq: 31 Oct 2025 18:16

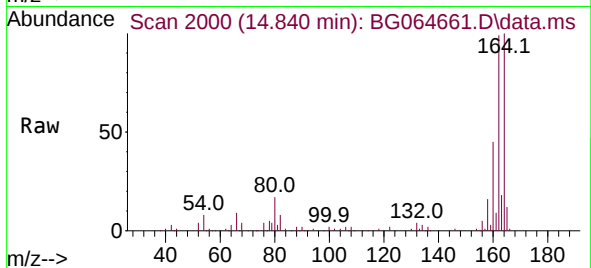
Tgt Ion:165 Resp: 14960
Ion Ratio Lower Upper
165 100
63 2.0 57.4 86.0#
89 2.3 47.8 71.8#



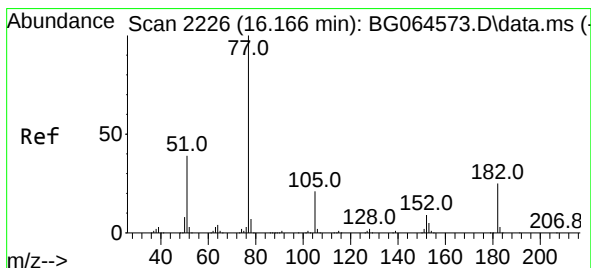
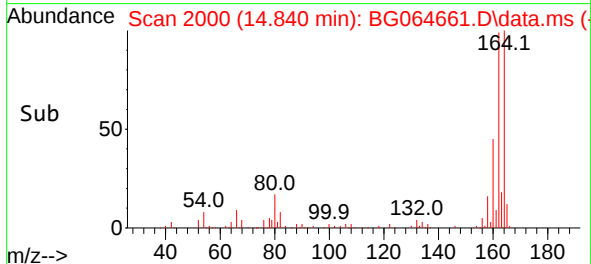
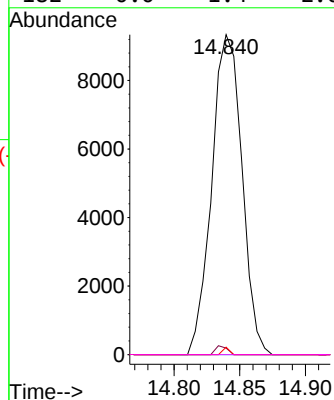


#57
2,4-Dinitrotoluene
Concen: 9.172 ng
RT: 14.840 min Scan# 2058
Delta R.T. -0.349 min
Lab File: BG064661.D
Acq: 31 Oct 2025 18:16

Instrument :
BNA_G
ClientSampleId :

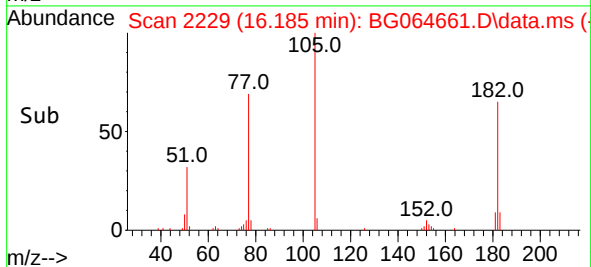
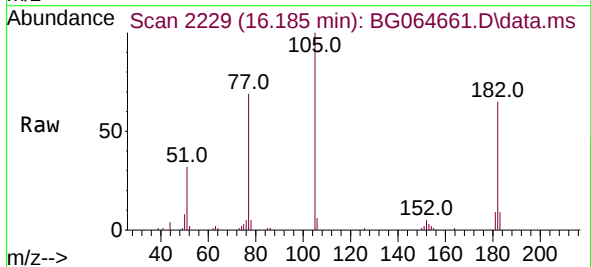
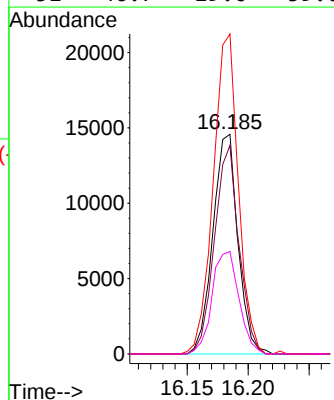


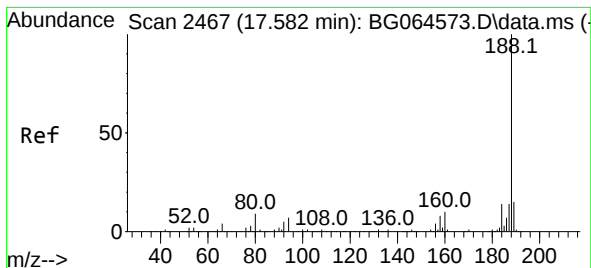
Tgt Ion:165 Resp: 14960
Ion Ratio Lower Upper
165 100
63 2.0 41.8 62.8#
89 2.3 58.1 87.1#
182 0.0 1.4 2.0#



#63
Azobenzene
Concen: 2.473 ng
RT: 16.185 min Scan# 2229
Delta R.T. 0.015 min
Lab File: BG064661.D
Acq: 31 Oct 2025 18:16

Tgt Ion: 77 Resp: 20786
Ion Ratio Lower Upper
77 100
182 94.9 4.9 44.9#
105 145.7 1.3 41.3#
51 46.7 19.0 59.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.578 min Scan# 24

Delta R.T. -0.002 min

Lab File: BG064661.D

Acq: 31 Oct 2025 18:16

Instrument :

BNA_G

ClientSampleId :

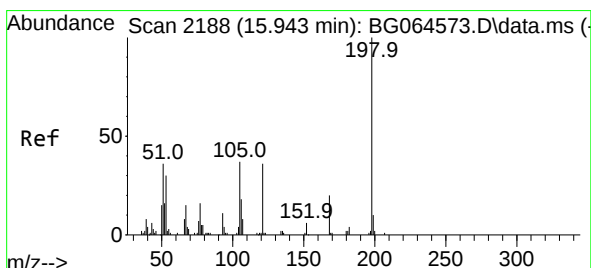
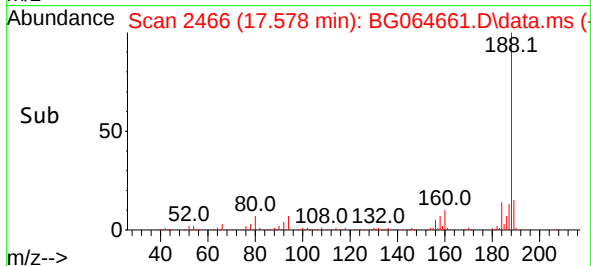
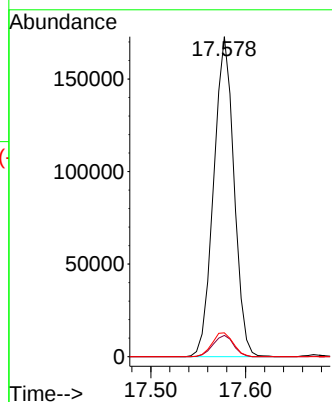
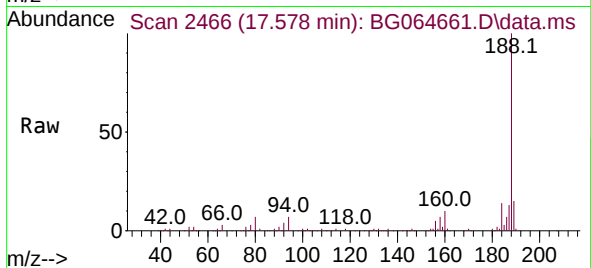
Tgt Ion:188 Resp: 256901

Ion Ratio Lower Upper

188 100

94 6.6 5.7 8.5

80 7.4 6.8 10.2



#65

4,6-Dinitro-2-methylphenol

Concen: 5.523 ng

RT: 16.303 min Scan# 2249

Delta R.T. 0.356 min

Lab File: BG064661.D

Acq: 31 Oct 2025 18:16

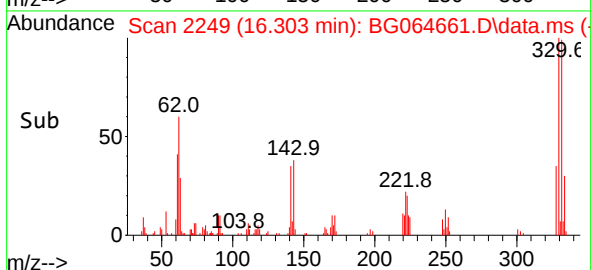
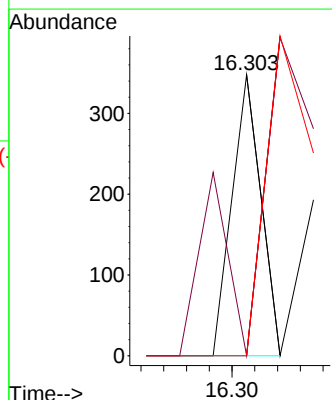
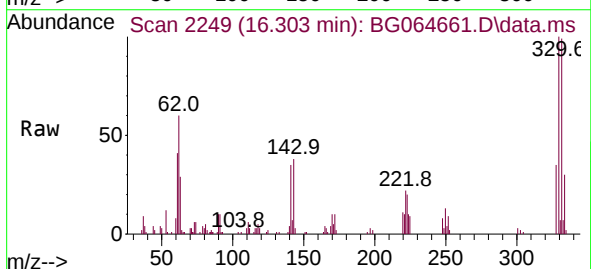
Tgt Ion:198 Resp: 123

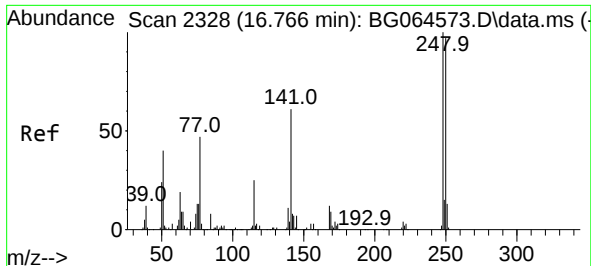
Ion Ratio Lower Upper

198 100

51 0.0 24.7 64.7#

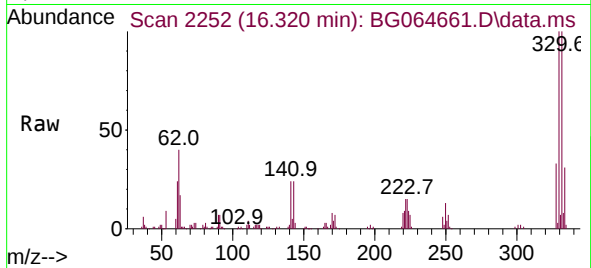
105 0.0 18.0 58.0#



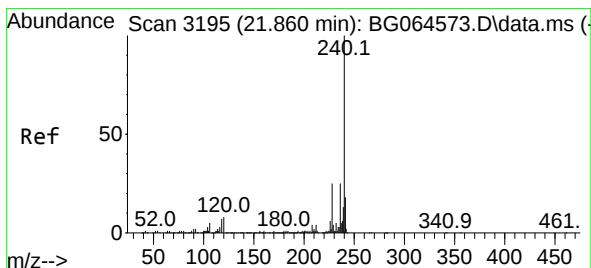
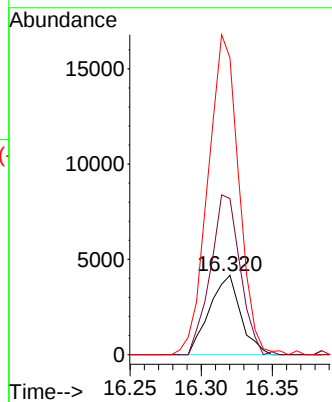
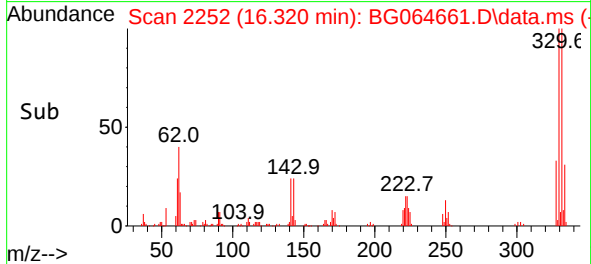


#67
4-Bromophenyl-phenylether
Concen: 2.083 ng
RT: 16.320 min Scan# 21
Delta R.T. -0.449 min
Lab File: BG064661.D
Acq: 31 Oct 2025 18:16

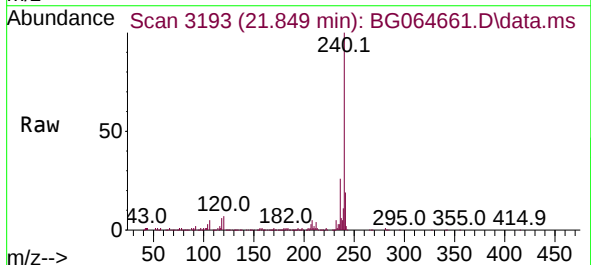
Instrument :
BNA_G
ClientSampleId :



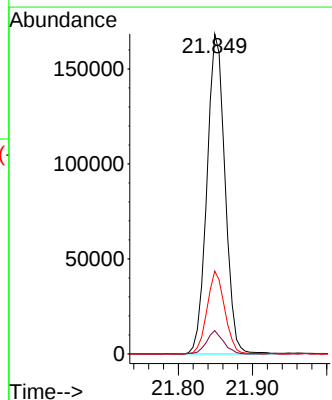
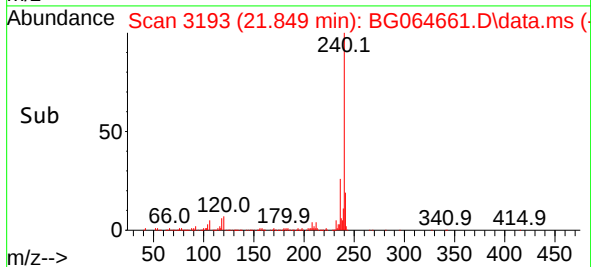
Tgt Ion:248 Resp: 6340
Ion Ratio Lower Upper
248 100
250 186.6 77.7 116.5#
141 277.5 48.6 72.8#

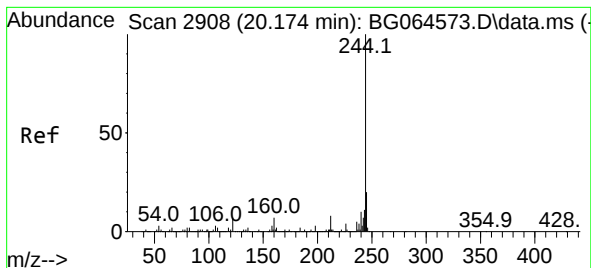


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.849 min Scan# 3193
Delta R.T. -0.014 min
Lab File: BG064661.D
Acq: 31 Oct 2025 18:16



Tgt Ion:240 Resp: 284288
Ion Ratio Lower Upper
240 100
120 7.3 6.5 9.7
236 25.9 20.2 30.2





#79

Terphenyl-d14

Concen: 33.915 ng

RT: 20.163 min Scan# 2908

Delta R.T. -0.014 min

Lab File: BG064661.D

Acq: 31 Oct 2025 18:16

Instrument :

BNA_G

ClientSampleId :

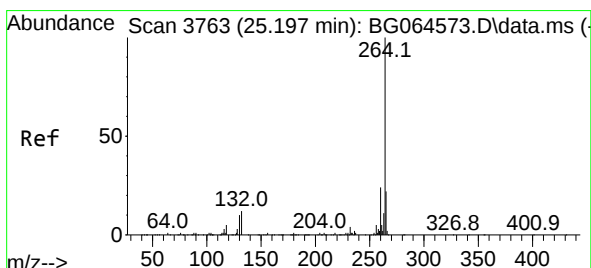
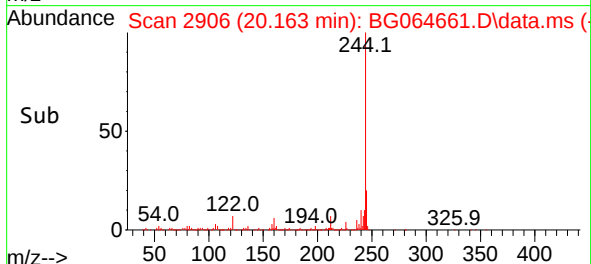
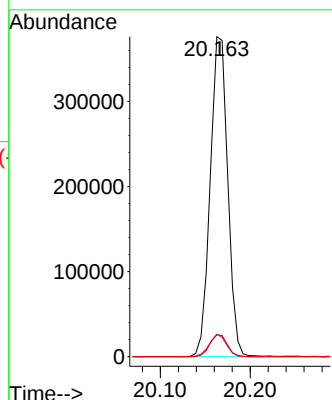
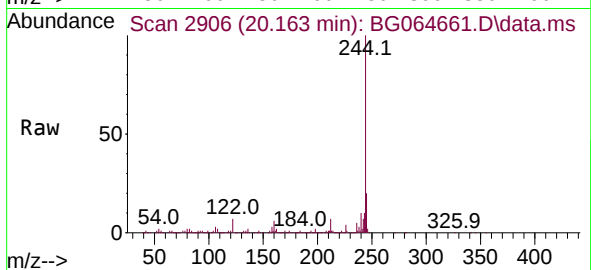
Tgt Ion:244 Resp: 510907

Ion Ratio Lower Upper

244 100

212 6.8 6.1 9.1

122 7.0 5.6 8.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.198 min Scan# 3763

Delta R.T. -0.003 min

Lab File: BG064661.D

Acq: 31 Oct 2025 18:16

Tgt Ion:264 Resp: 312271

Ion Ratio Lower Upper

264 100

260 23.5 19.0 28.4

265 20.6 17.6 26.4

