

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
 Data File : BG064533.D
 Acq On : 17 Oct 2025 13:02
 Operator : RC/JU
 Sample : PB170144BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB170144BL

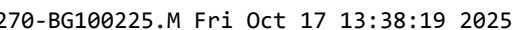
Quant Time: Oct 17 13:38:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 02 16:40:42 2025
 Response via : Initial Calibration

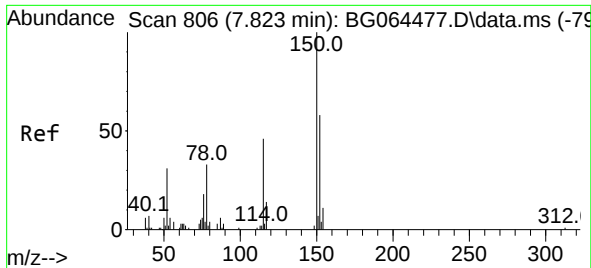
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.823	152	15169	20.000	ng	# 0.00
21) Naphthalene-d8	10.602	136	63951	20.000	ng	0.00
39) Acenaphthene-d10	14.444	164	47990	20.000	ng	0.00
64) Phenanthrene-d10	17.188	188	119250	20.000	ng	0.00
76) Chrysene-d12	21.413	240	136283	20.000	ng	0.00
86) Perylene-d12	24.391	264	149804	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.414	112	129795	158.355	ng	0.00
7) Phenol-d6	7.000	99	160586	145.793	ng	0.01
23) Nitrobenzene-d5	8.968	82	111284	93.567	ng	0.00
42) 2,4,6-Tribromophenol	15.937	330	128223	147.402	ng	0.00
45) 2-Fluorobiphenyl	13.069	172	309416	95.036	ng	0.00
79) Terphenyl-d14	19.809	244	727588	101.037	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	8.968	70	16880	22.915	ng	# 72
51) 2,6-Dinitrotoluene	14.444	165	6515	8.321	ng	# 12
57) 2,4-Dinitrotoluene	14.444	165	6515	5.443	ng	# 21
67) 4-Bromophenyl-phenylether	15.937	248	8685	6.189	ng	# 1
77) Benzidine	19.809	184	14101	4.158	ng	# 78

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

Quant Time: Oct 17 13:38:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

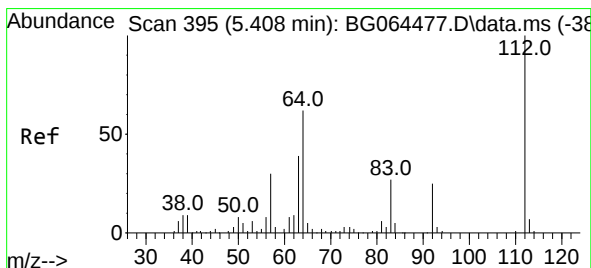
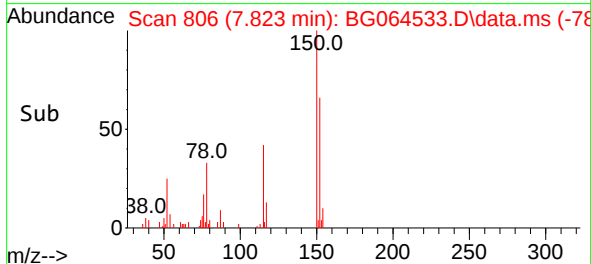
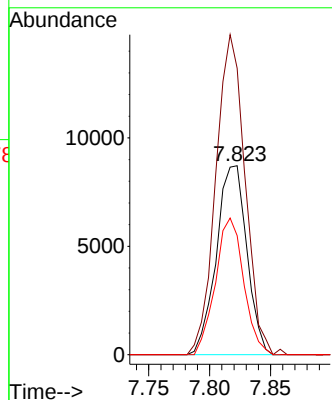
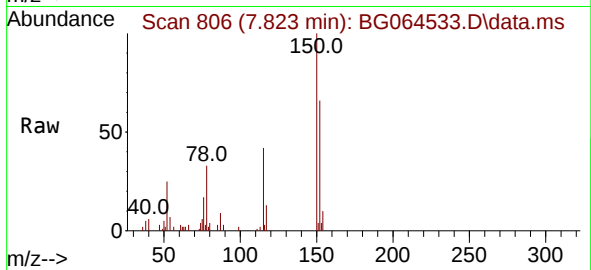




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.823 min Scan# 806
 Delta R.T. 0.003 min
 Lab File: BG064533.D
 Acq: 17 Oct 2025 13:02

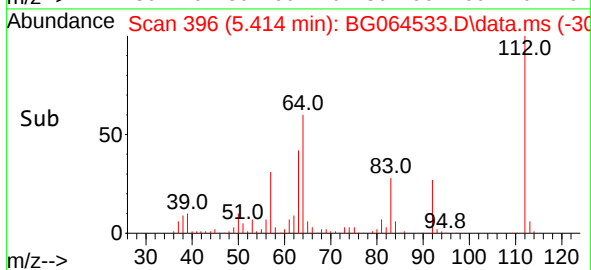
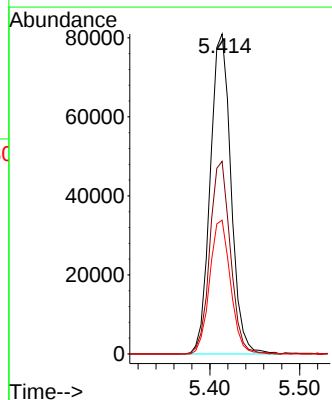
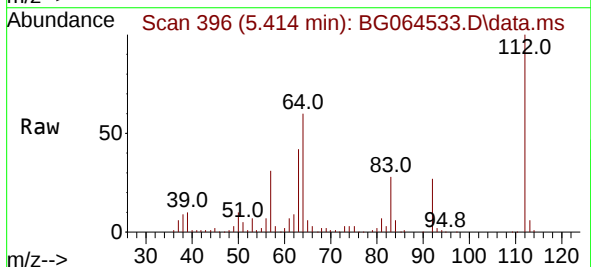
Instrument :
 BNA_G
 ClientSampleId :
 PB170144BL

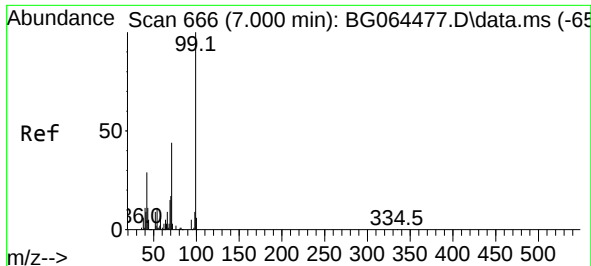
Tgt Ion:152 Resp: 15169
 Ion Ratio Lower Upper
 152 100
 150 151.5 138.6 207.8
 115 63.0 63.4 95.2#



#5
 2-Fluorophenol
 Concen: 158.355 ng
 RT: 5.414 min Scan# 396
 Delta R.T. 0.008 min
 Lab File: BG064533.D
 Acq: 17 Oct 2025 13:02

Tgt Ion:112 Resp: 129795
 Ion Ratio Lower Upper
 112 100
 64 60.2 49.8 74.8
 63 41.8 31.3 46.9

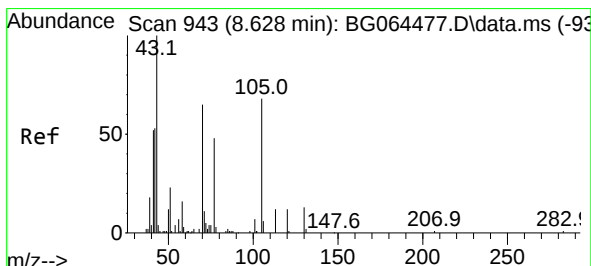
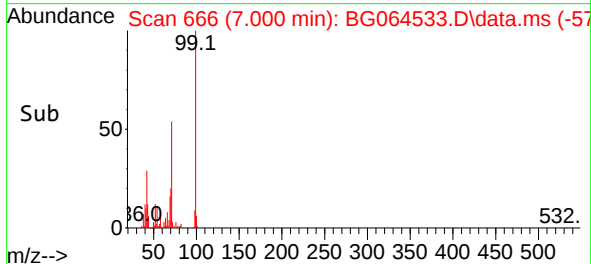
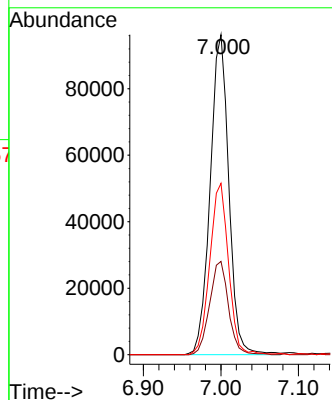
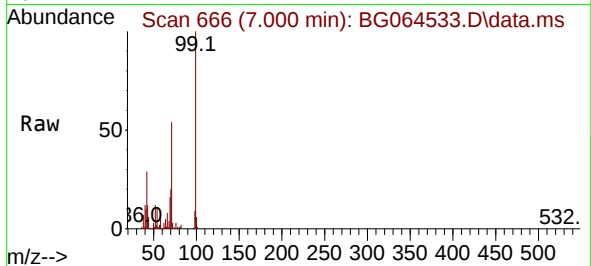




#7
Phenol-d6
Concen: 145.793 ng
RT: 7.000 min Scan# 60
Delta R.T. 0.014 min
Lab File: BG064533.D
Acq: 17 Oct 2025 13:02

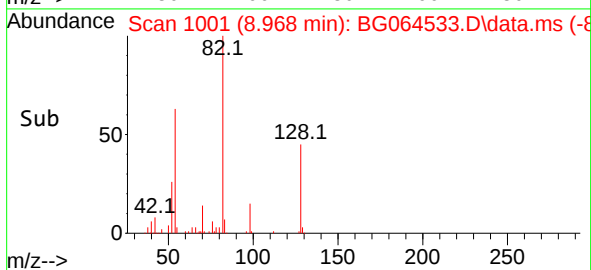
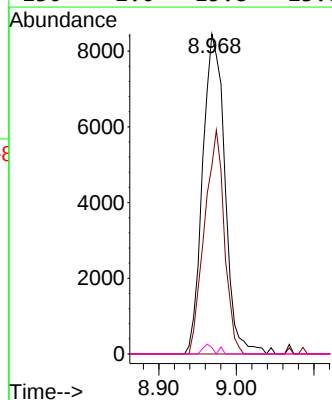
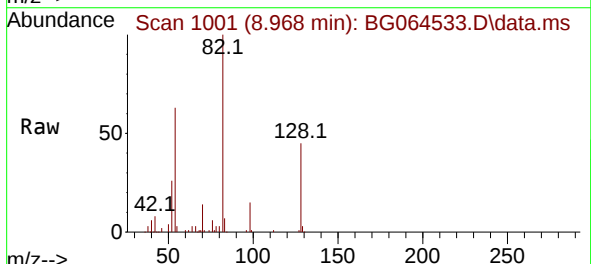
Instrument :
BNA_G
ClientSampleId :
PB170144BL

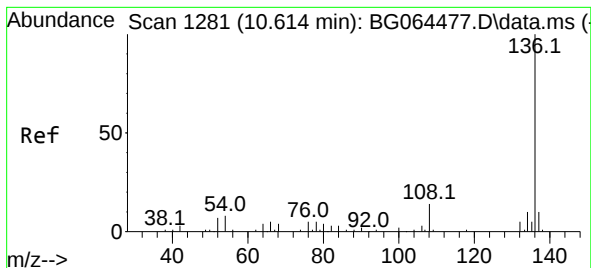
Tgt Ion: 99 Resp: 160586
Ion Ratio Lower Upper
99 100
42 29.2 22.9 34.3
71 53.6 35.4 53.2#



#19
n-Nitroso-di-n-propylamine
Concen: 22.915 ng
RT: 8.968 min Scan# 1001
Delta R.T. 0.355 min
Lab File: BG064533.D
Acq: 17 Oct 2025 13:02

Tgt Ion: 70 Resp: 16880
Ion Ratio Lower Upper
70 100
42 58.8 64.9 97.3#
101 0.0 8.7 13.1#
130 2.0 15.8 23.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.602 min Scan# 11

Delta R.T. -0.004 min

Lab File: BG064533.D

Acq: 17 Oct 2025 13:02

Instrument :

BNA_G

ClientSampleId :

PB170144BL

Tgt Ion:136 Resp: 63951

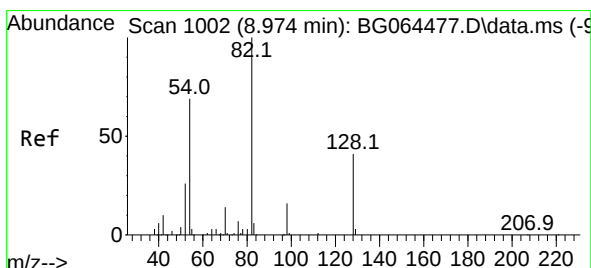
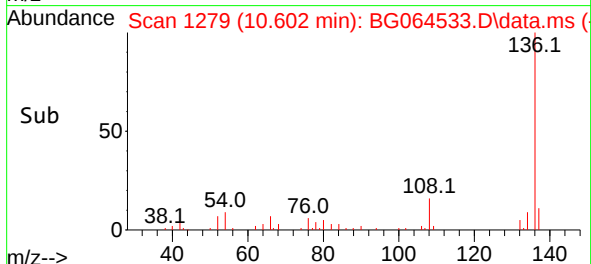
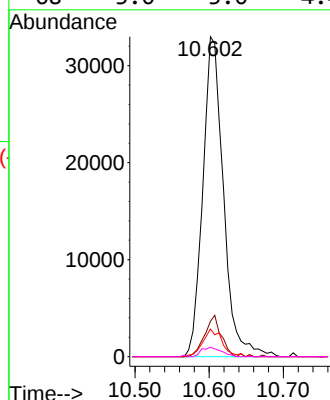
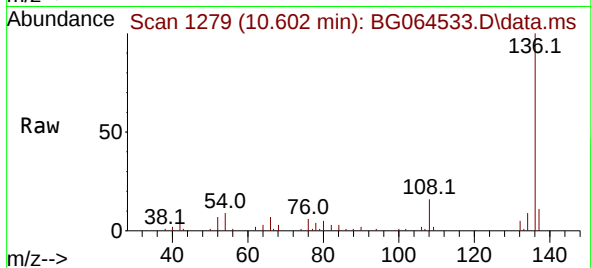
Ion Ratio Lower Upper

136 100

137 11.1 8.3 12.5

54 8.6 6.2 9.4

68 3.0 3.0 4.4



#23

Nitrobenzene-d5

Concen: 93.567 ng

RT: 8.968 min Scan# 1001

Delta R.T. 0.002 min

Lab File: BG064533.D

Acq: 17 Oct 2025 13:02

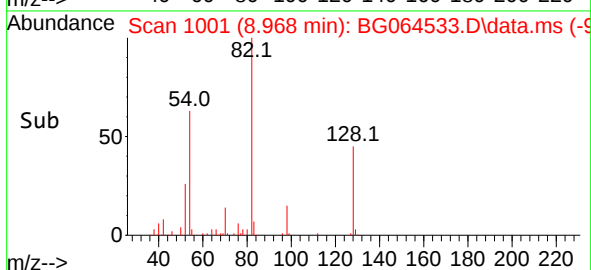
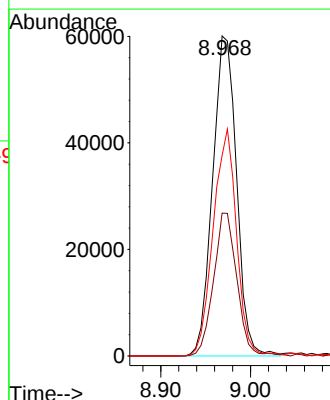
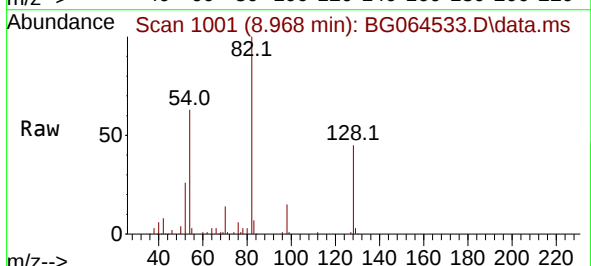
Tgt Ion: 82 Resp: 111284

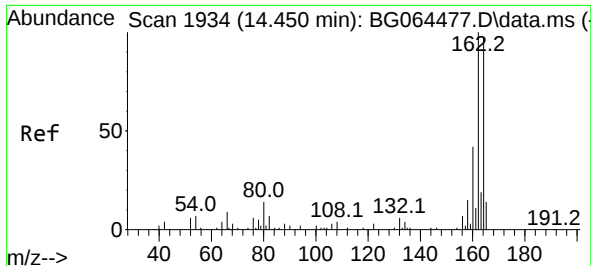
Ion Ratio Lower Upper

82 100

128 44.7 33.1 49.7

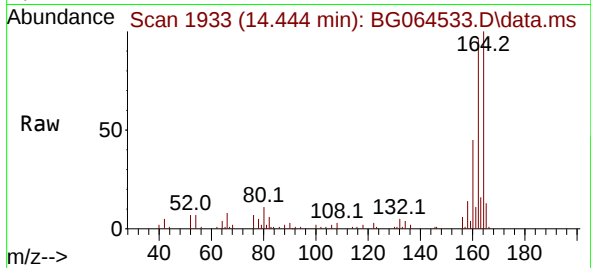
54 62.7 55.4 83.2



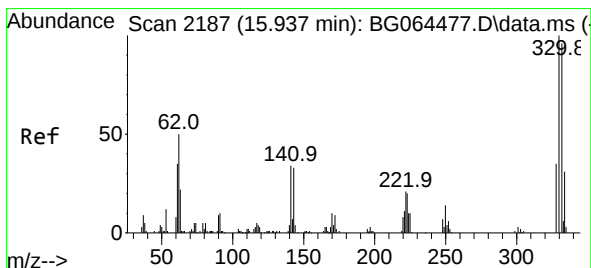
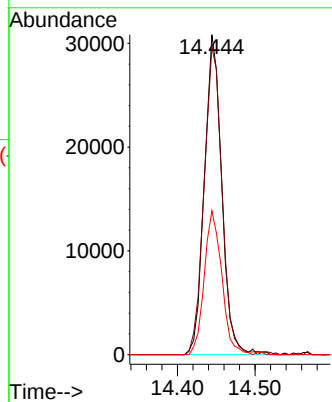
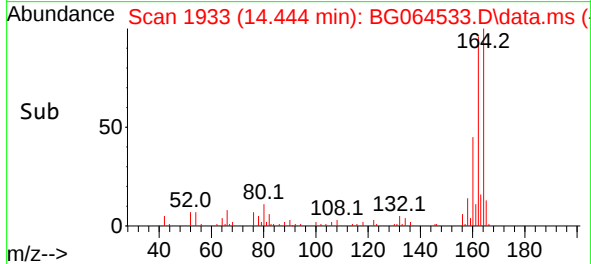


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.444 min Scan# 1933
Delta R.T. -0.004 min
Lab File: BG064533.D
Acq: 17 Oct 2025 13:02

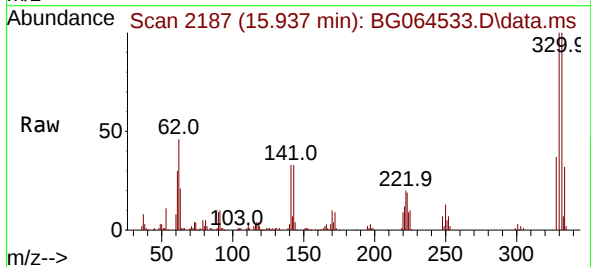
Instrument :
BNA_G
ClientSampleId :
PB170144BL



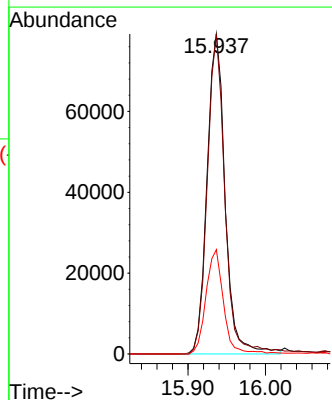
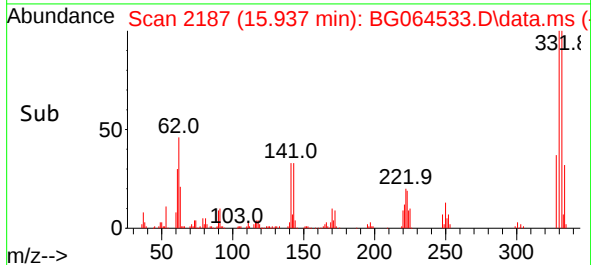
Tgt Ion:164 Resp: 47990
Ion Ratio Lower Upper
164 100
162 96.2 82.2 123.2
160 45.0 34.3 51.5

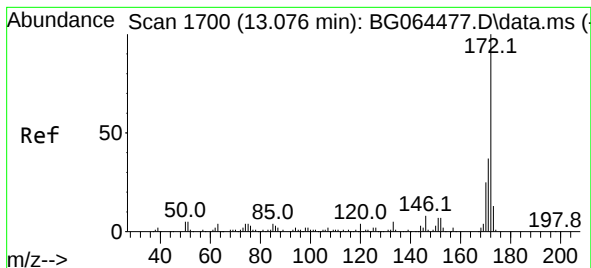


#42
2,4,6-Tribromophenol
Concen: 147.402 ng
RT: 15.937 min Scan# 2187
Delta R.T. 0.002 min
Lab File: BG064533.D
Acq: 17 Oct 2025 13:02



Tgt Ion:330 Resp: 128223
Ion Ratio Lower Upper
330 100
332 98.1 77.4 116.0
141 31.8 25.8 38.6





#45

2-Fluorobiphenyl

Concen: 95.036 ng

RT: 13.069 min Scan# 1

Delta R.T. 0.002 min

Lab File: BG064533.D

Acq: 17 Oct 2025 13:02

Instrument :

BNA_G

ClientSampleId :

PB170144BL

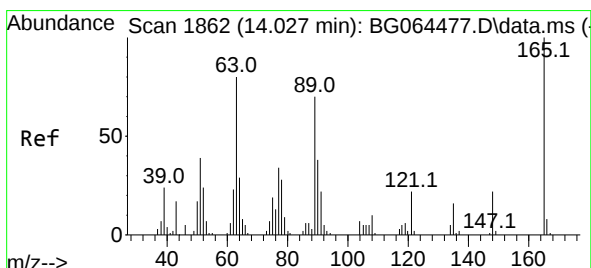
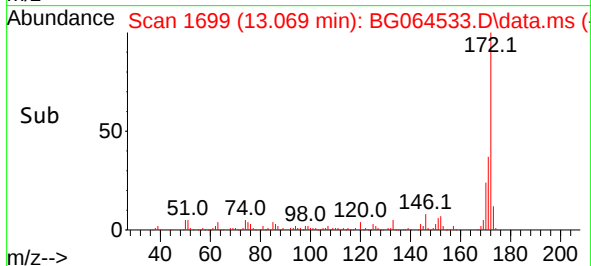
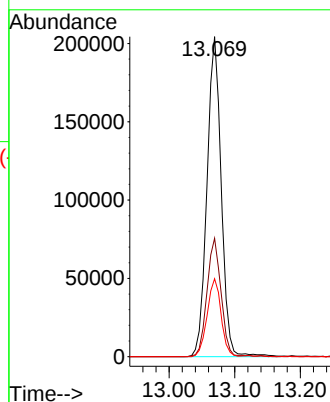
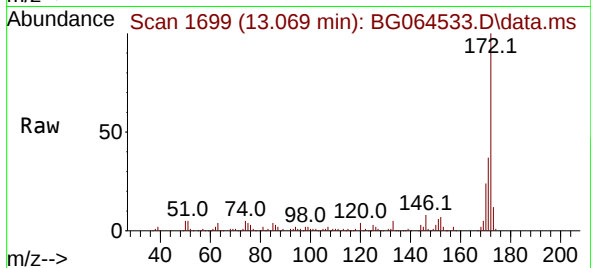
Tgt Ion:172 Resp: 309416

Ion Ratio Lower Upper

172 100

171 37.0 29.6 44.4

170 24.4 20.2 30.2



#51

2,6-Dinitrotoluene

Concen: 8.321 ng

RT: 14.444 min Scan# 1933

Delta R.T. 0.425 min

Lab File: BG064533.D

Acq: 17 Oct 2025 13:02

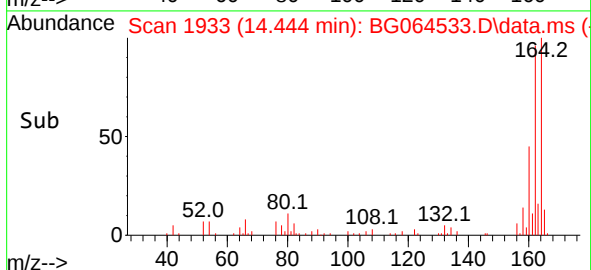
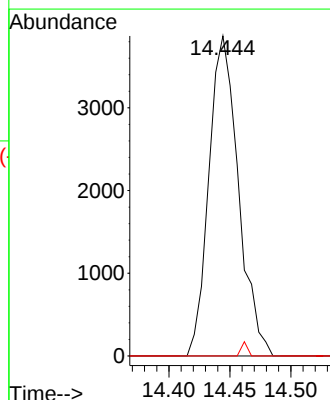
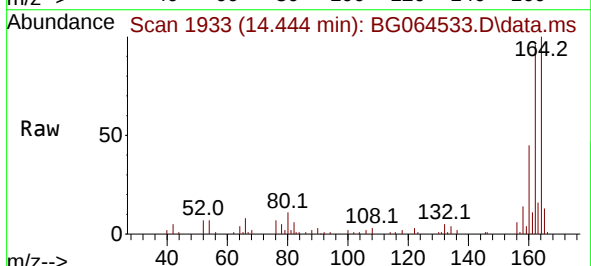
Tgt Ion:165 Resp: 6515

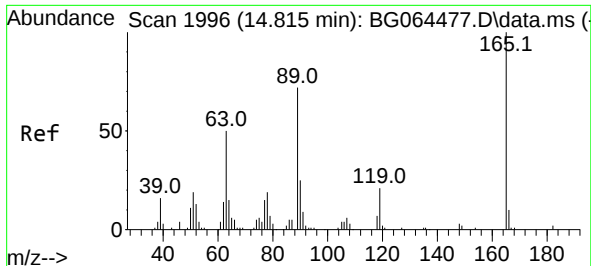
Ion Ratio Lower Upper

165 100

63 0.0 63.9 95.9#

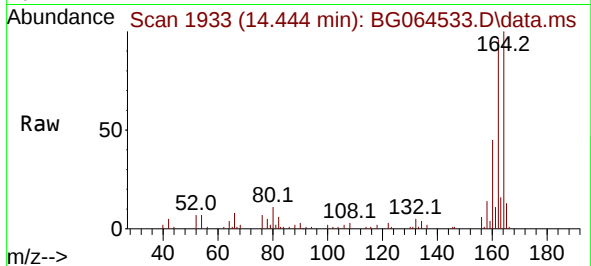
89 0.0 56.1 84.1#



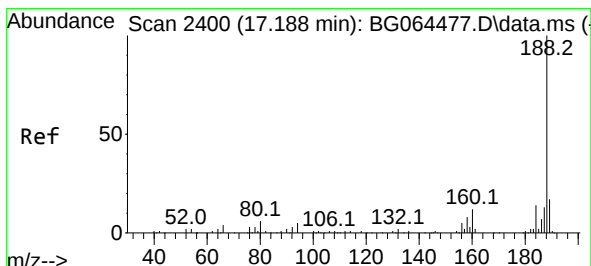
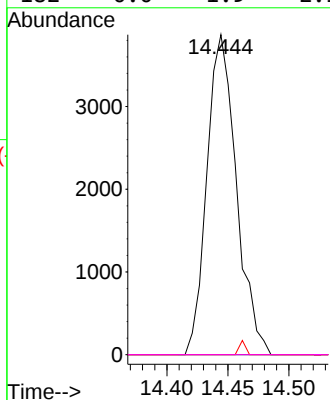
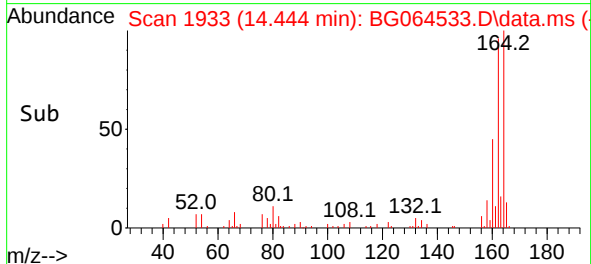


#57
2,4-Dinitrotoluene
Concen: 5.443 ng
RT: 14.444 min Scan# 1996
Delta R.T. -0.368 min
Lab File: BG064533.D
Acq: 17 Oct 2025 13:02

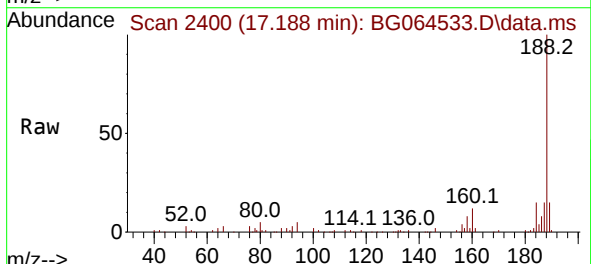
Instrument :
BNA_G
ClientSampleId :
PB170144BL



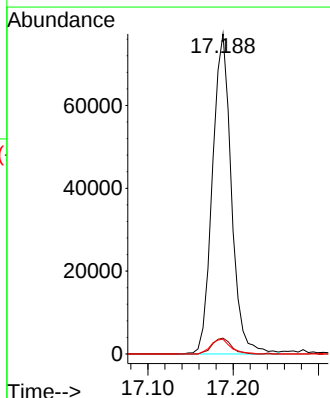
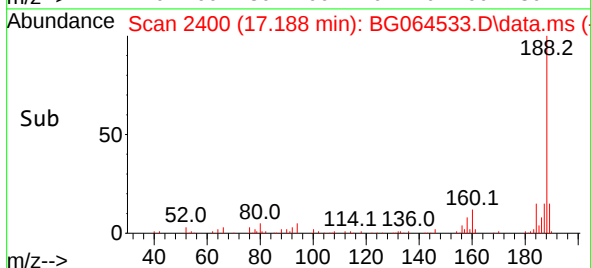
Tgt Ion:165 Resp: 6515
Ion Ratio Lower Upper
165 100
63 0.0 40.4 60.6#
89 0.0 57.3 85.9#
182 0.0 1.9 2.9#

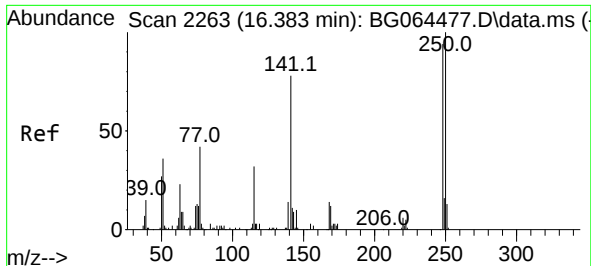


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.188 min Scan# 2400
Delta R.T. 0.002 min
Lab File: BG064533.D
Acq: 17 Oct 2025 13:02



Tgt Ion:188 Resp: 119250
Ion Ratio Lower Upper
188 100
94 5.0 3.7 5.5
80 5.1 4.5 6.7

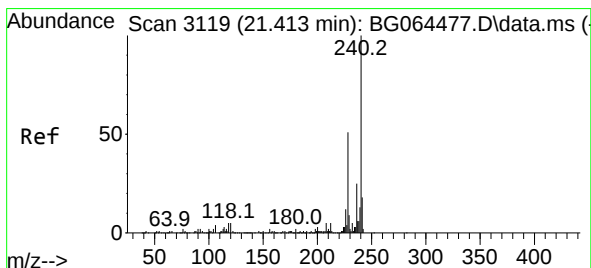
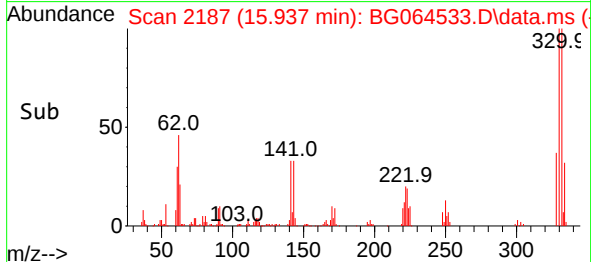
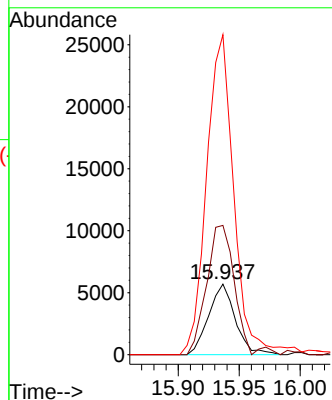
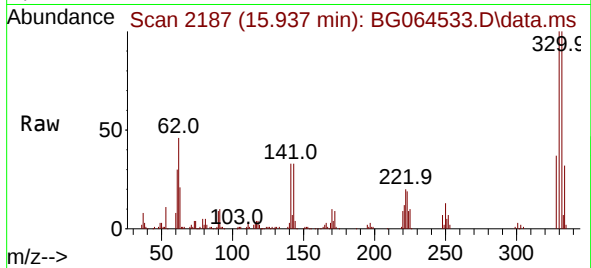




#67
4-Bromophenyl-phenylether
Concen: 6.189 ng
RT: 15.937 min Scan# 2187
Delta R.T. -0.444 min
Lab File: BG064533.D
Acq: 17 Oct 2025 13:02

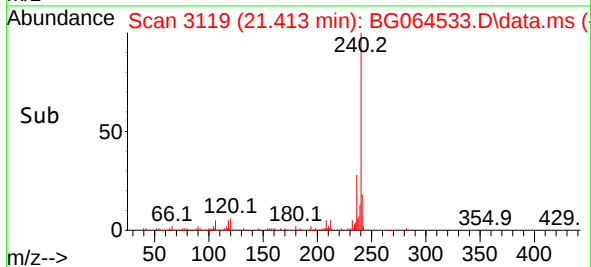
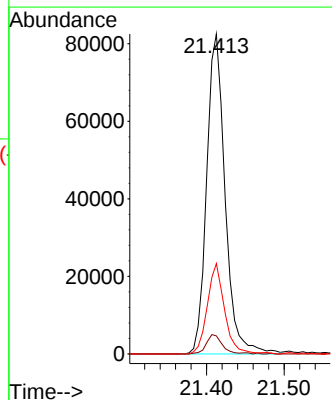
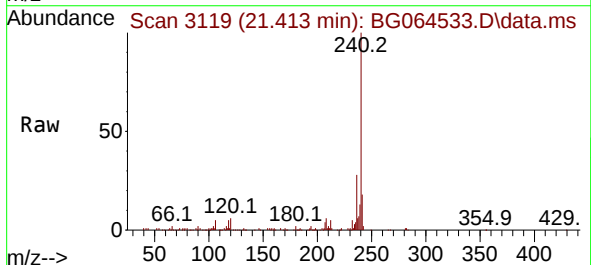
Instrument :
BNA_G
ClientSampleId :
PB170144BL

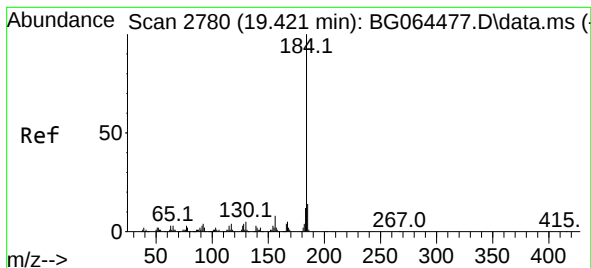
Tgt Ion:248 Resp: 8685
Ion Ratio Lower Upper
248 100
250 182.9 85.3 127.9#
141 453.0 66.2 99.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.413 min Scan# 3119
Delta R.T. 0.003 min
Lab File: BG064533.D
Acq: 17 Oct 2025 13:02

Tgt Ion:240 Resp: 136283
Ion Ratio Lower Upper
240 100
120 5.6 4.3 6.5
236 28.3 20.4 30.6





#77

Benzidine

Concen: 4.158 ng

RT: 19.809 min Scan# 2846

Delta R.T. 0.384 min

Lab File: BG064533.D

Acq: 17 Oct 2025 13:02

Instrument :

BNA_G

ClientSampleId :

PB170144BL

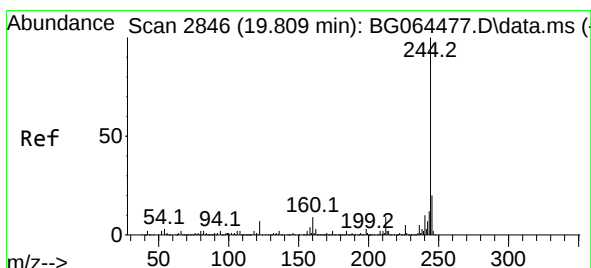
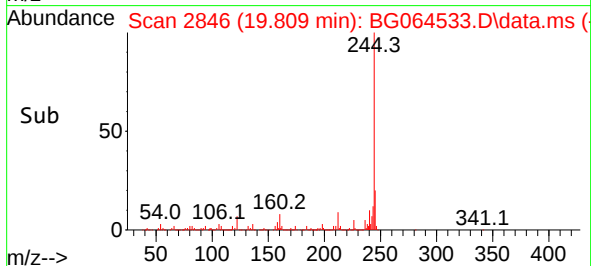
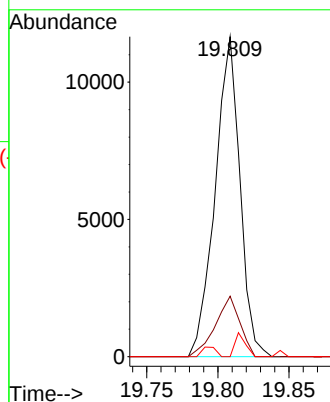
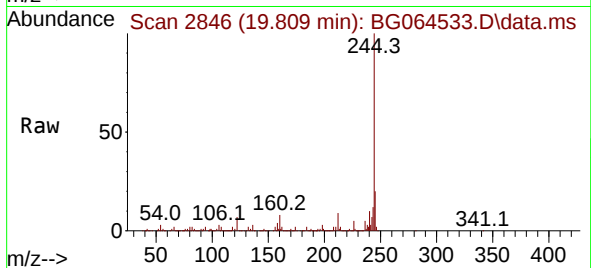
Tgt Ion:184 Resp: 14101

Ion Ratio Lower Upper

184 100

185 18.9 10.9 16.3#

183 0.0 9.8 14.6#



#79

Terphenyl-d14

Concen: 101.037 ng

RT: 19.809 min Scan# 2846

Delta R.T. 0.002 min

Lab File: BG064533.D

Acq: 17 Oct 2025 13:02

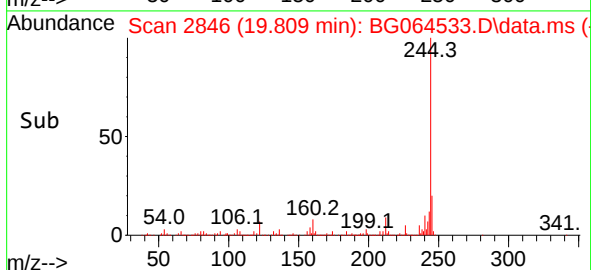
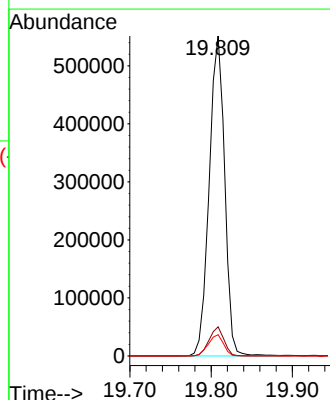
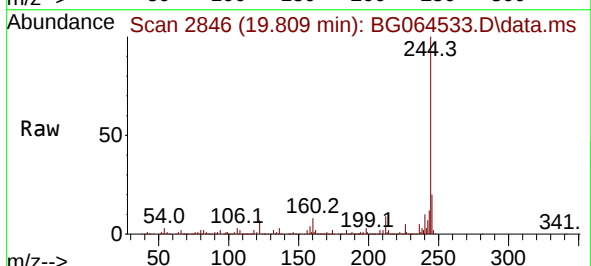
Tgt Ion:244 Resp: 727588

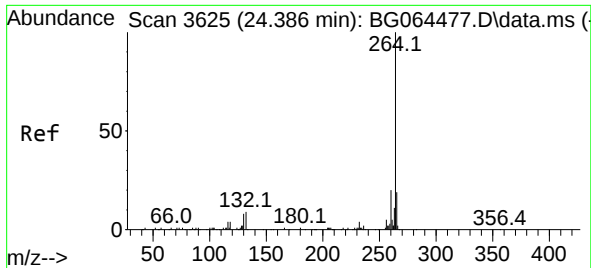
Ion Ratio Lower Upper

244 100

212 9.1 7.0 10.6

122 6.7 5.6 8.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.391 min Scan# 30

Delta R.T. 0.002 min

Lab File: BG064533.D

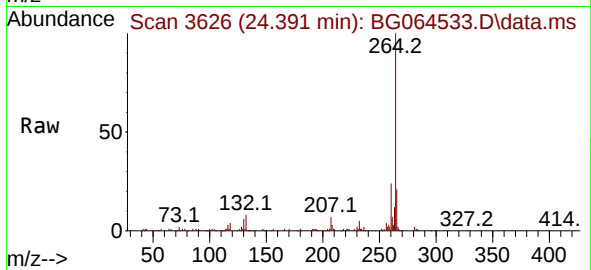
Acq: 17 Oct 2025 13:02

Instrument :

BNA_G

ClientSampleId :

PB170144BL



Tgt Ion:264 Resp: 149804

Ion Ratio Lower Upper

264 100

260 24.0 16.2 24.4

265 21.2 15.0 22.4

