

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082925\
 Data File : BG064233.D
 Acq On : 29 Aug 2025 18:37
 Operator : RC/JU
 Sample : PB169461BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB169325TB

Quant Time: Aug 29 19:12:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 28 17:41:58 2025
 Response via : Initial Calibration

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

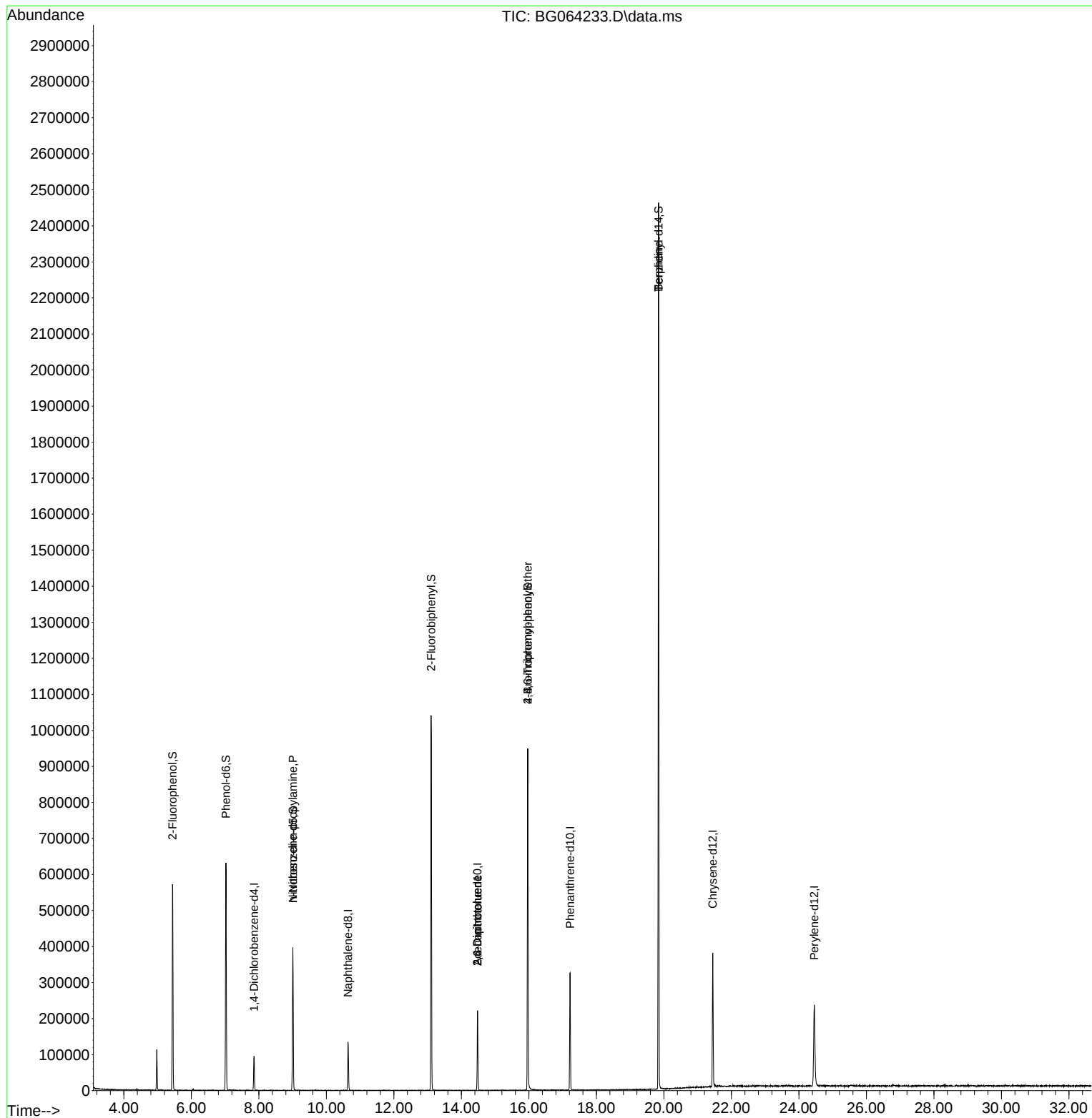
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.856	152	22130	20.000	ng	0.00
21) Naphthalene-d8	10.641	136	104678	20.000	ng	0.00
39) Acenaphthene-d10	14.478	164	74475	20.000	ng	0.00
64) Phenanthrene-d10	17.222	188	197454	20.000	ng	0.00
76) Chrysene-d12	21.446	240	216479	20.000	ng	0.00
86) Perylene-d12	24.455	264	233782	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.442	112	223819	181.452	ng	0.00
7) Phenol-d6	7.022	99	301624	177.991	ng	0.00
23) Nitrobenzene-d5	9.008	82	206350	109.939	ng	0.00
42) 2,4,6-Tribromophenol	15.965	330	166164	168.446	ng	0.00
45) 2-Fluorobiphenyl	13.103	172	514809	105.509	ng	0.00
79) Terphenyl-d14	19.842	244	1124640	108.389	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	9.008	70	28719	22.144	ng	# 84
51) 2,6-Dinitrotoluene	14.478	165	10176	9.325	ng	# 16
57) 2,4-Dinitrotoluene	14.478	165	10176	6.167	ng	# 19
67) 4-Bromophenyl-phenylether	15.965	248	12165	5.801	ng	# 1
77) Benzidine	19.842	184	22091	4.851	ng	# 92

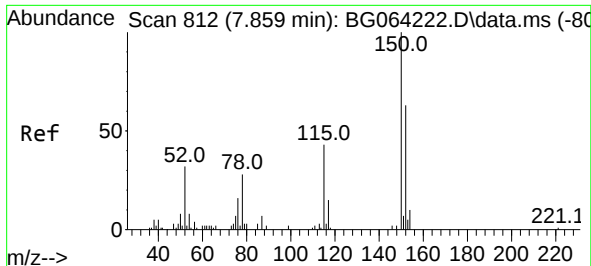
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082925\
Data File : BG064233.D
Acq On : 29 Aug 2025 18:37
Operator : RC/JU
Sample : PB169461BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB169325TB

Quant Time: Aug 29 19:12:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 28 17:41:58 2025
Response via : Initial Calibration

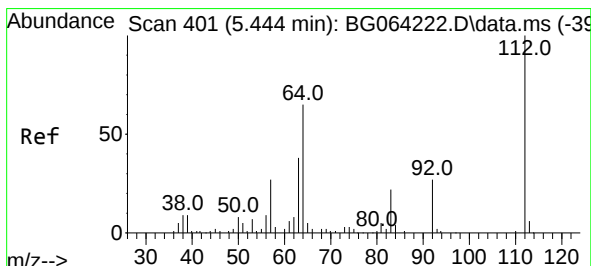
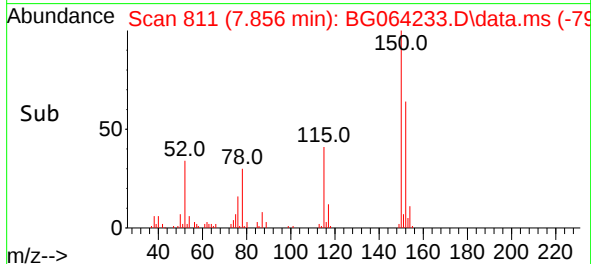
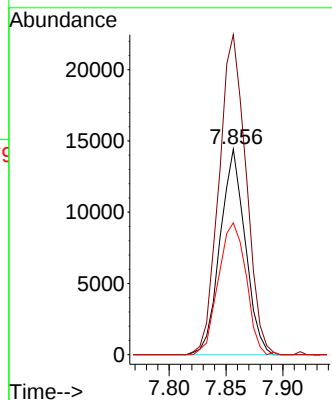
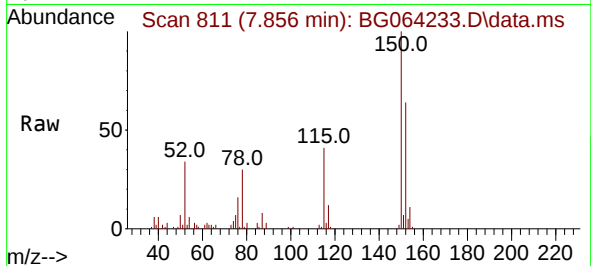




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.856 min Scan# 812
Delta R.T. -0.003 min
Lab File: BG064233.D
Acq: 29 Aug 2025 18:37

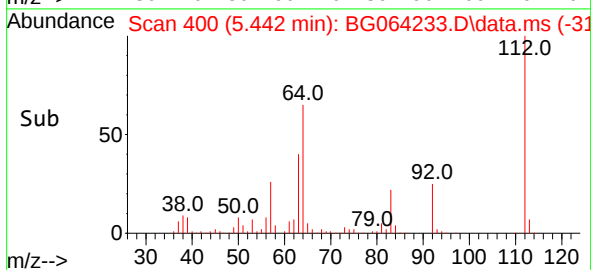
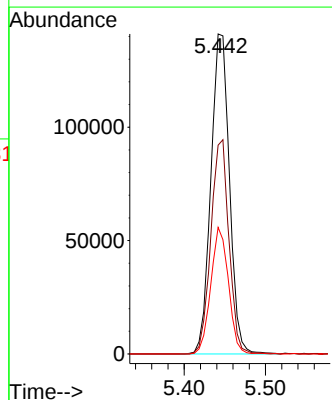
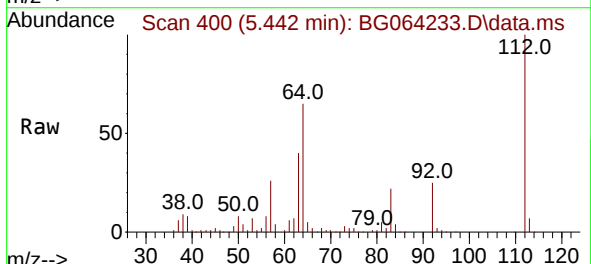
Instrument :
BNA_G
ClientSampleId :
PB169325TB

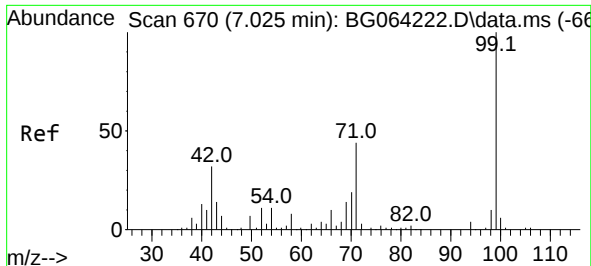
Tgt Ion:152 Resp: 22130
Ion Ratio Lower Upper
152 100
150 155.7 128.0 192.0
115 64.1 55.7 83.5



#5
2-Fluorophenol
Concen: 181.452 ng
RT: 5.442 min Scan# 400
Delta R.T. -0.003 min
Lab File: BG064233.D
Acq: 29 Aug 2025 18:37

Tgt Ion:112 Resp: 223819
Ion Ratio Lower Upper
112 100
64 65.2 51.8 77.6
63 39.5 30.6 45.8

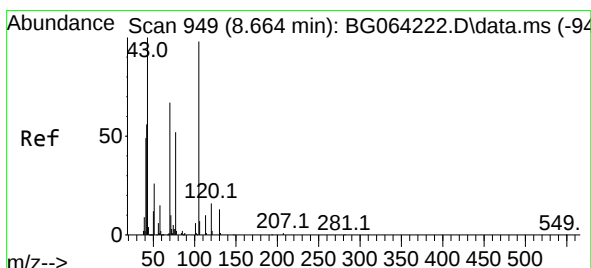
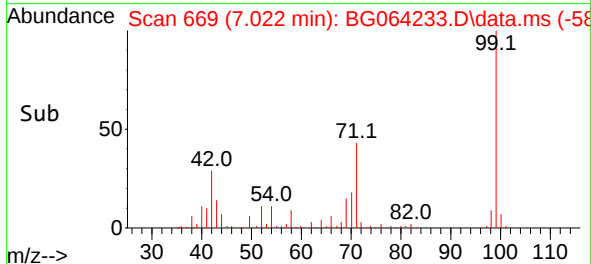
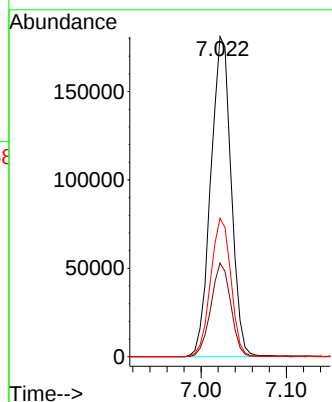
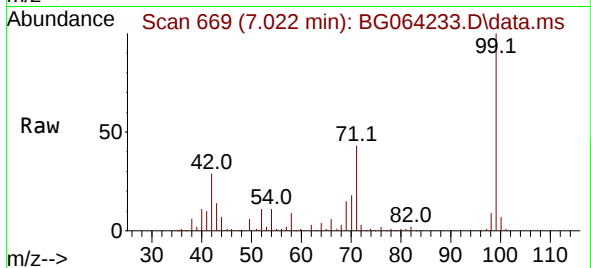




#7
Phenol-d6
Concen: 177.991 ng
RT: 7.022 min Scan# 60
Delta R.T. -0.009 min
Lab File: BG064233.D
Acq: 29 Aug 2025 18:37

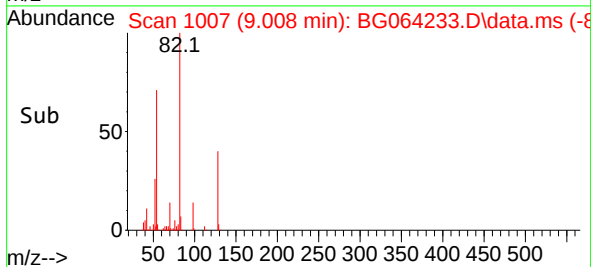
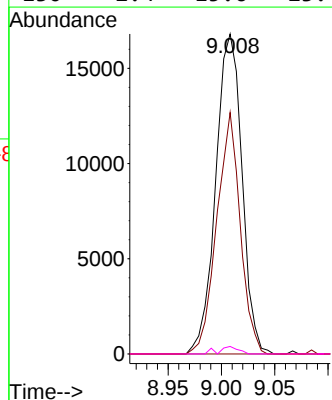
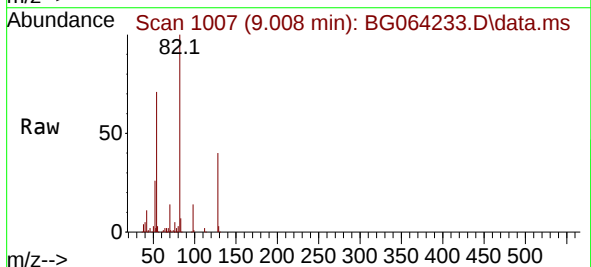
Instrument :
BNA_G
ClientSampleId :
PB169325TB

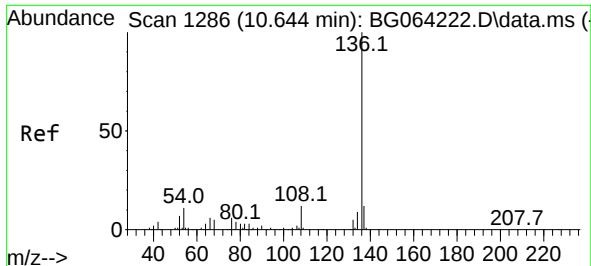
Tgt Ion: 99 Resp: 301624
Ion Ratio Lower Upper
99 100
42 29.3 25.8 38.8
71 43.3 35.2 52.8



#19
n-Nitroso-di-n-propylamine
Concen: 22.144 ng
RT: 9.008 min Scan# 1007
Delta R.T. 0.344 min
Lab File: BG064233.D
Acq: 29 Aug 2025 18:37

Tgt Ion: 70 Resp: 28719
Ion Ratio Lower Upper
70 100
42 75.5 67.9 101.9
101 0.0 7.3 10.9#
130 2.4 15.6 23.4#

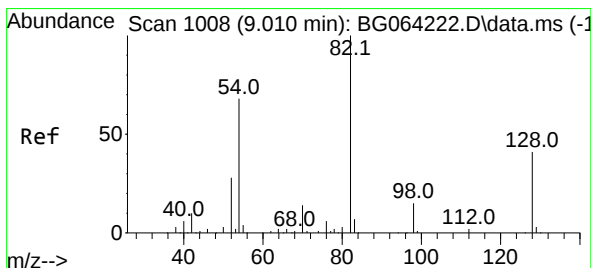
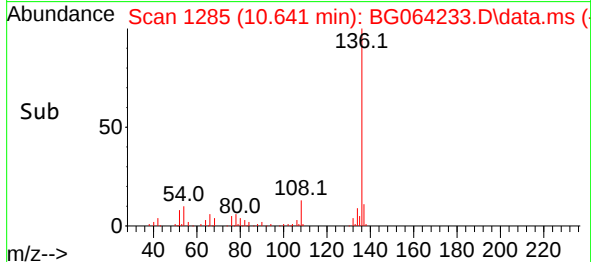
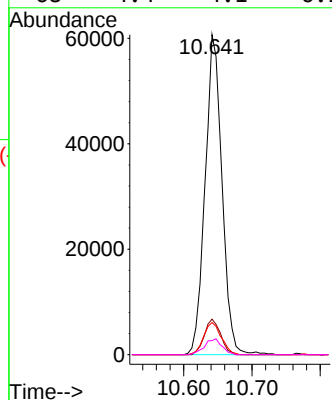
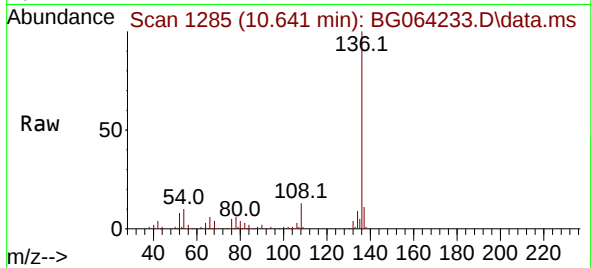




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.641 min Scan# 11
Delta R.T. -0.009 min
Lab File: BG064233.D
Acq: 29 Aug 2025 18:37

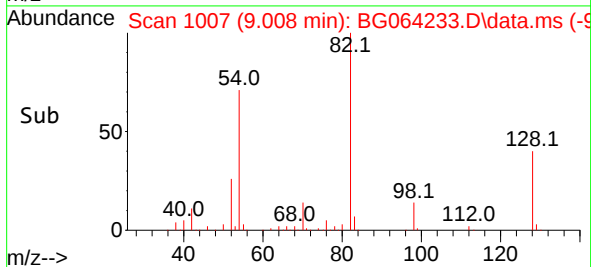
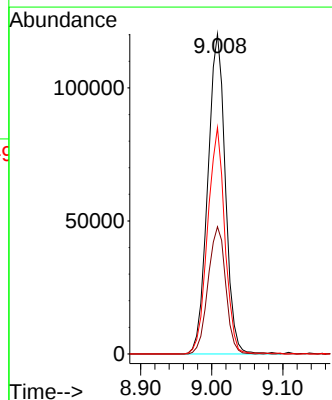
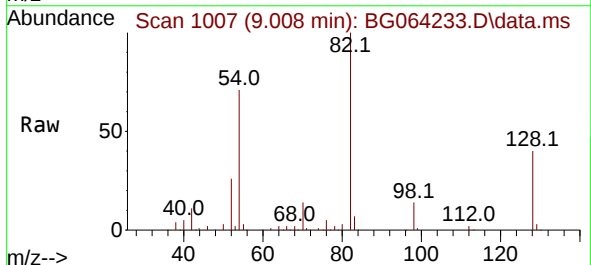
Instrument :
BNA_G
ClientSampleId :
PB169325TB

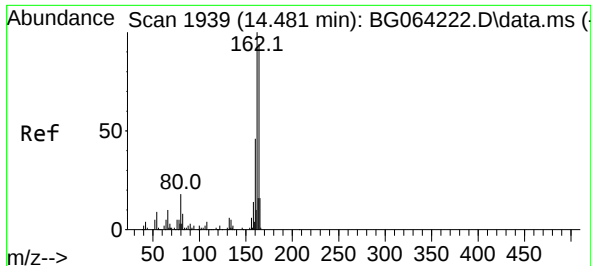
Tgt Ion:	136	Resp:	104678
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.6	14.4
54	10.1	8.8	13.2
68	4.4	4.1	6.1



#23
Nitrobenzene-d5
Concen: 109.939 ng
RT: 9.008 min Scan# 1007
Delta R.T. -0.009 min
Lab File: BG064233.D
Acq: 29 Aug 2025 18:37

Tgt Ion:	82	Resp:	206350
Ion	Ratio	Lower	Upper
82	100		
128	39.8	32.6	48.8
54	70.7	54.7	82.1

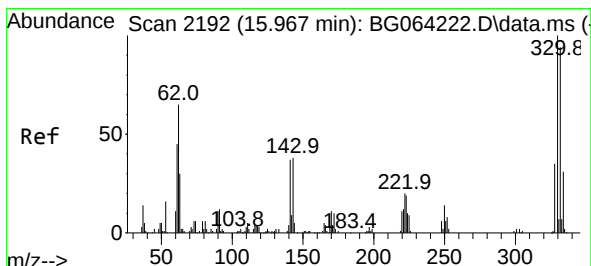
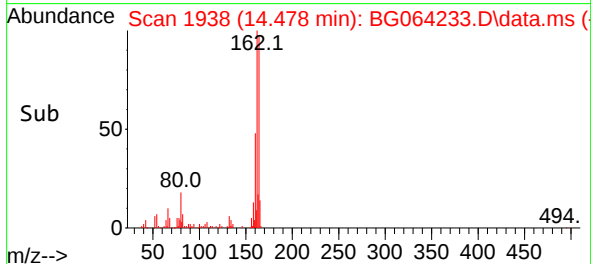
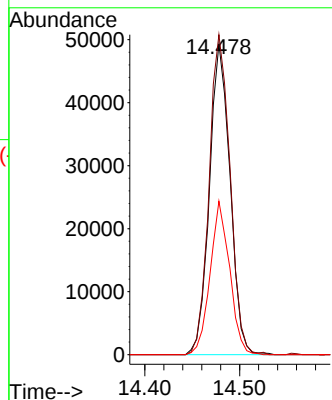
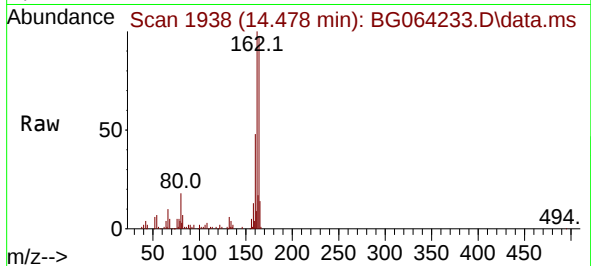




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.478 min Scan# 1938
Delta R.T. -0.003 min
Lab File: BG064233.D
Acq: 29 Aug 2025 18:37

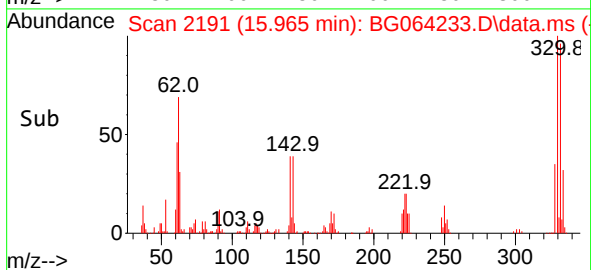
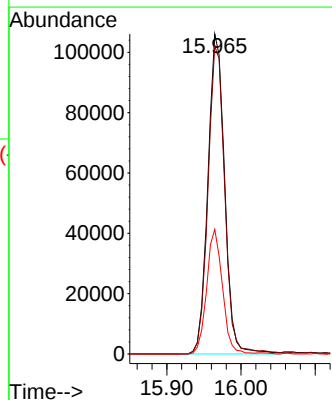
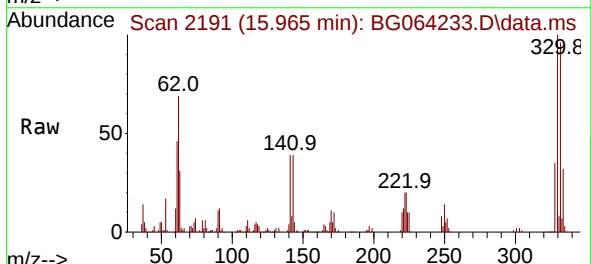
Instrument :
BNA_G
ClientSampleId :
PB169325TB

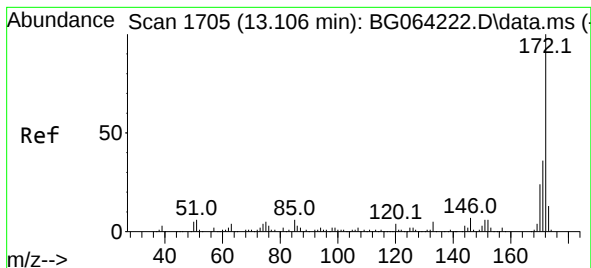
Tgt Ion:164 Resp: 74475
Ion Ratio Lower Upper
164 100
162 103.0 85.4 128.0
160 49.4 39.2 58.8



#42
2,4,6-Tribromophenol
Concen: 168.446 ng
RT: 15.965 min Scan# 2191
Delta R.T. -0.009 min
Lab File: BG064233.D
Acq: 29 Aug 2025 18:37

Tgt Ion:330 Resp: 166164
Ion Ratio Lower Upper
330 100
332 96.2 77.6 116.4
141 36.7 29.8 44.6





#45

2-Fluorobiphenyl

Concen: 105.509 ng

RT: 13.103 min Scan# 1

Delta R.T. -0.009 min

Lab File: BG064233.D

Acq: 29 Aug 2025 18:37

Instrument :

BNA_G

ClientSampleId :

PB169325TB

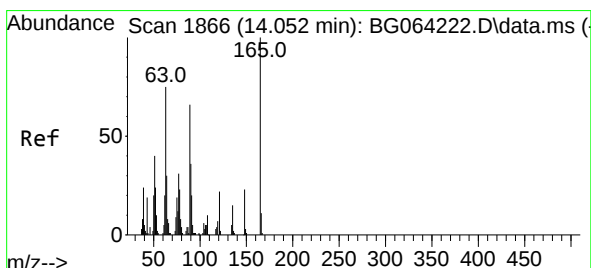
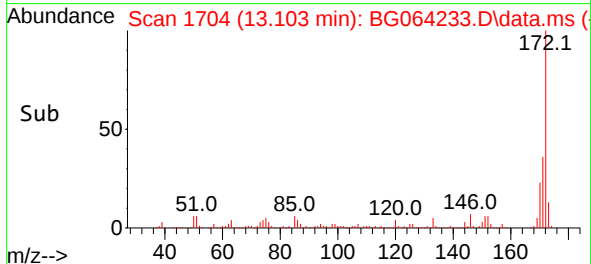
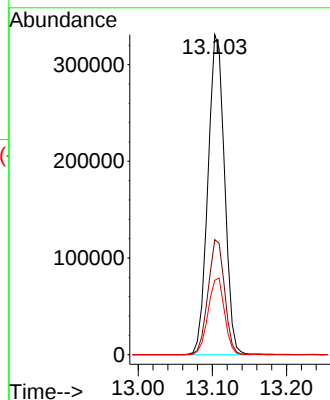
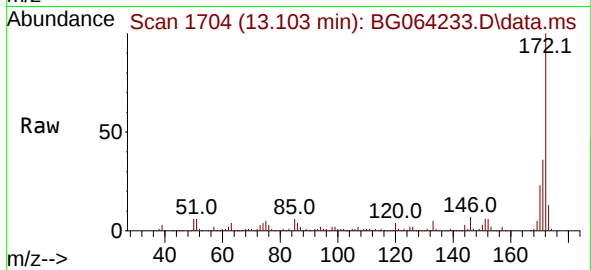
Tgt Ion:172 Resp: 514809

Ion Ratio Lower Upper

172 100

171 36.0 28.7 43.1

170 23.3 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 9.325 ng

RT: 14.478 min Scan# 1938

Delta R.T. 0.420 min

Lab File: BG064233.D

Acq: 29 Aug 2025 18:37

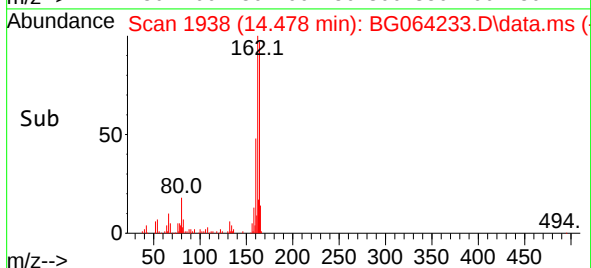
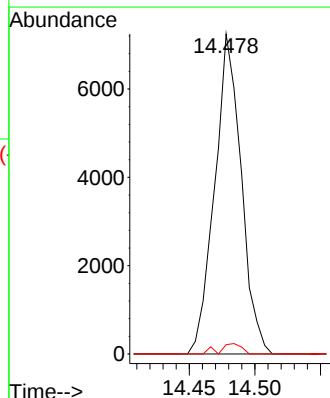
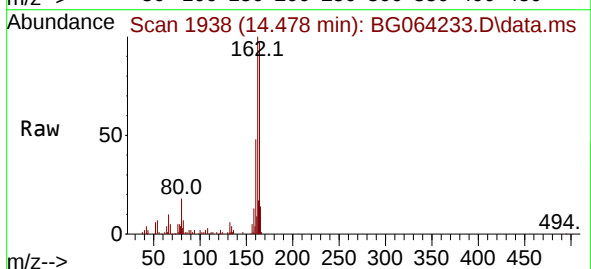
Tgt Ion:165 Resp: 10176

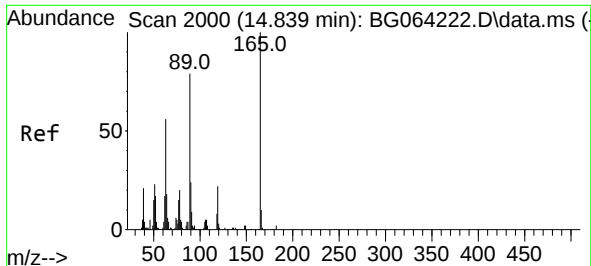
Ion Ratio Lower Upper

165 100

63 0.0 60.3 90.5#

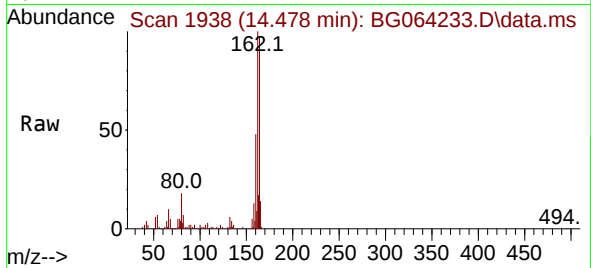
89 2.9 52.9 79.3#



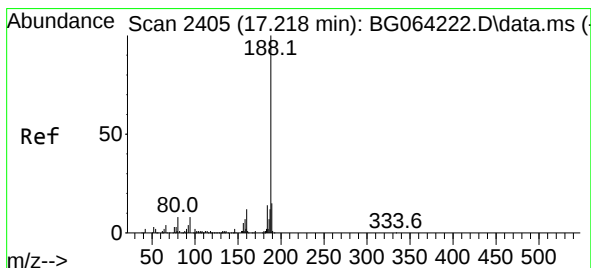
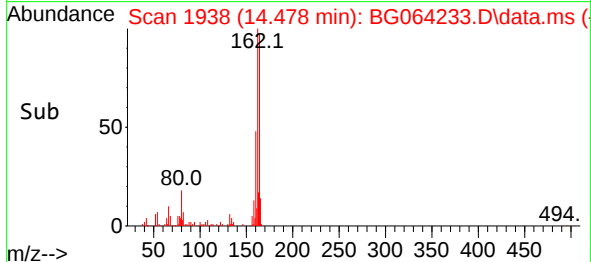
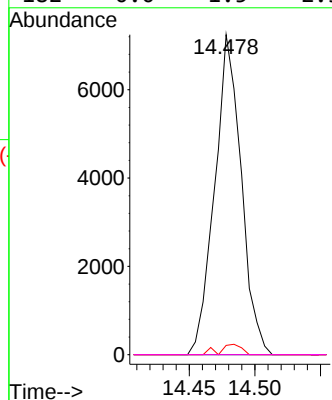


#57
2,4-Dinitrotoluene
Concen: 6.167 ng
RT: 14.478 min Scan# 1938
Delta R.T. -0.367 min
Lab File: BG064233.D
Acq: 29 Aug 2025 18:37

Instrument :
BNA_G
ClientSampleId :
PB169325TB

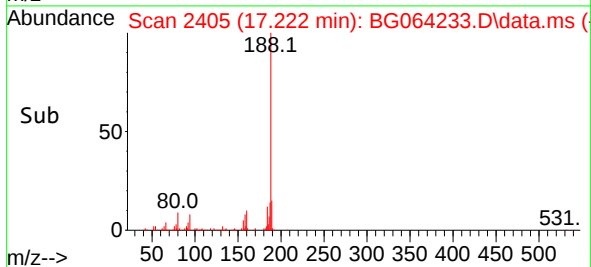
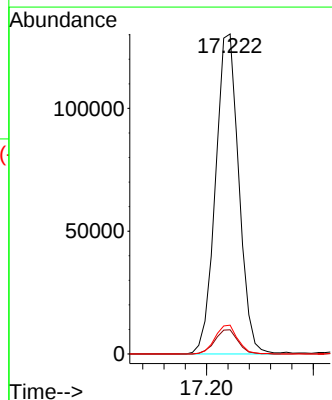
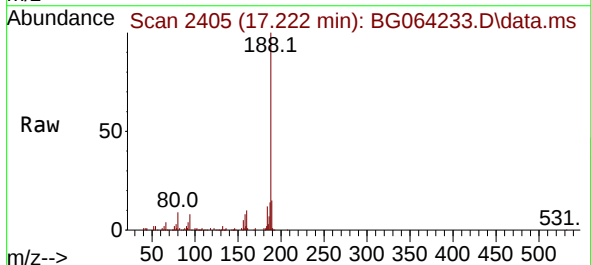


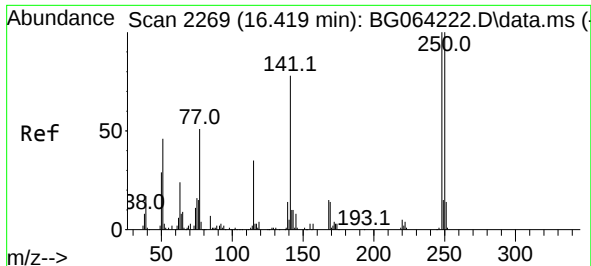
Tgt Ion:165 Resp: 10176
Ion Ratio Lower Upper
165 100
63 0.0 44.6 67.0#
89 2.9 63.0 94.4#
182 0.0 1.5 2.3#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.222 min Scan# 2405
Delta R.T. -0.003 min
Lab File: BG064233.D
Acq: 29 Aug 2025 18:37

Tgt Ion:188 Resp: 197454
Ion Ratio Lower Upper
188 100
94 7.6 6.2 9.4
80 9.0 6.8 10.2

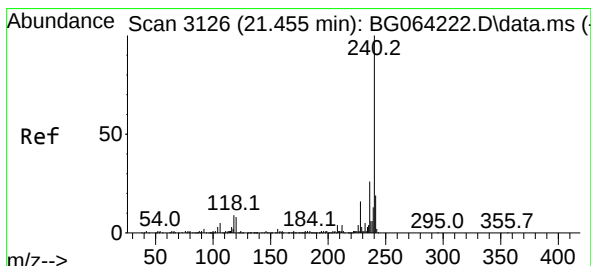
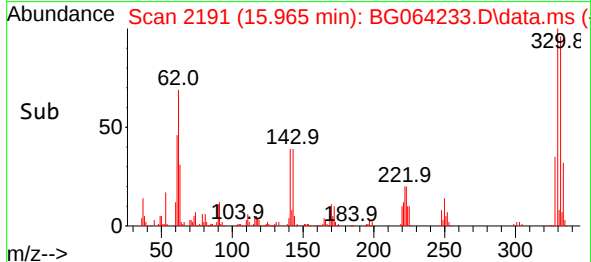
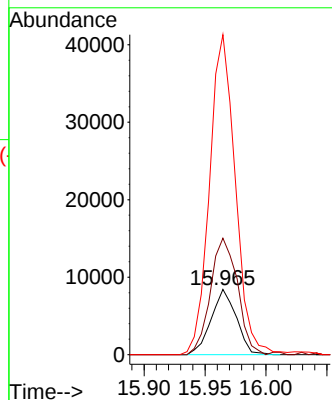
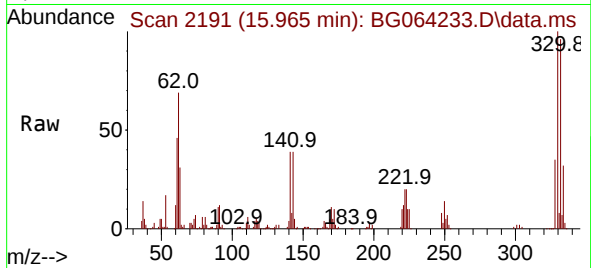




#67
4-Bromophenyl-phenylether
Concen: 5.801 ng
RT: 15.965 min Scan# 2119
Delta R.T. -0.455 min
Lab File: BG064233.D
Acq: 29 Aug 2025 18:37

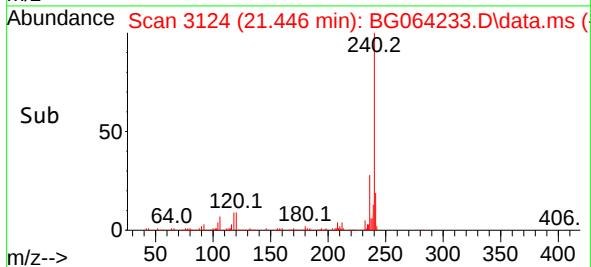
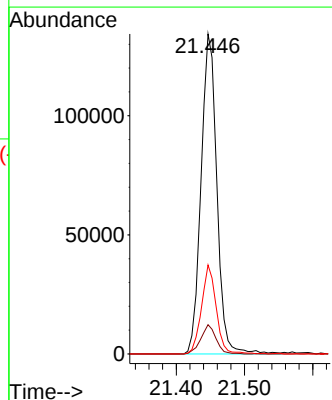
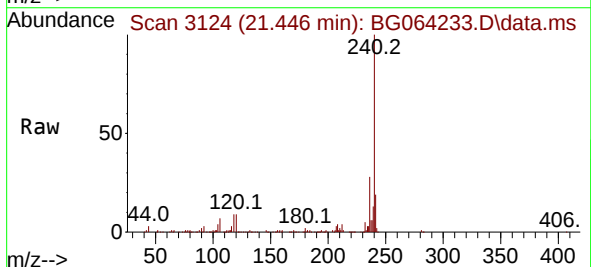
Instrument :
BNA_G
ClientSampleId :
PB169325TB

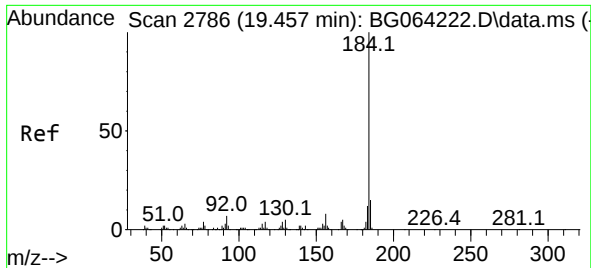
Tgt Ion:248 Resp: 12165
Ion Ratio Lower Upper
248 100
250 178.5 80.2 120.4#
141 490.5 62.4 93.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.446 min Scan# 3124
Delta R.T. -0.009 min
Lab File: BG064233.D
Acq: 29 Aug 2025 18:37

Tgt Ion:240 Resp: 216479
Ion Ratio Lower Upper
240 100
120 9.1 6.2 9.4
236 27.8 20.5 30.7

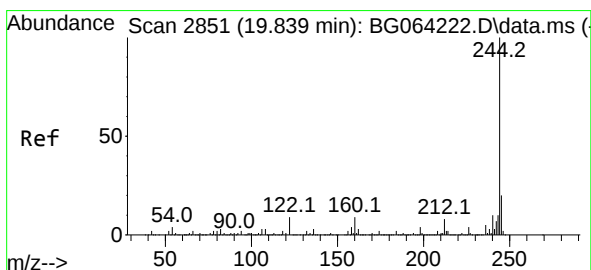
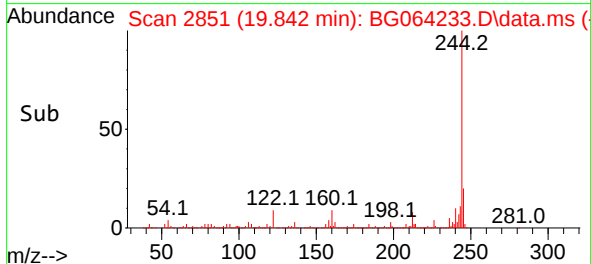
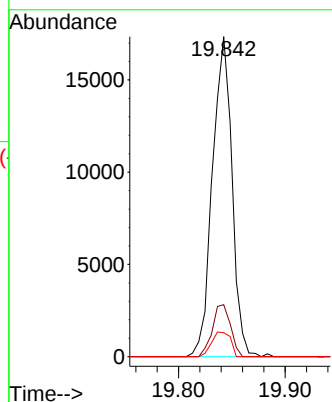
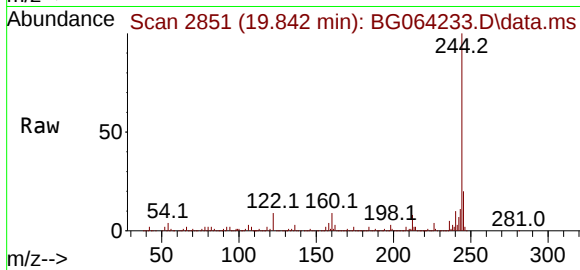




#77
Benzidine
Concen: 4.851 ng
RT: 19.842 min Scan# 2851
Delta R.T. 0.385 min
Lab File: BG064233.D
Acq: 29 Aug 2025 18:37

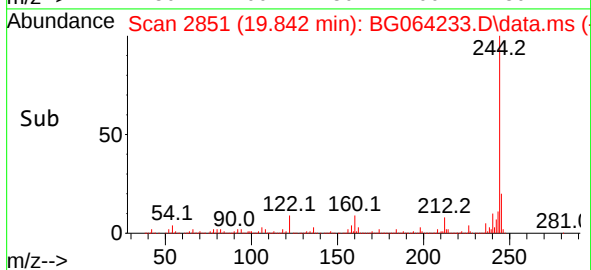
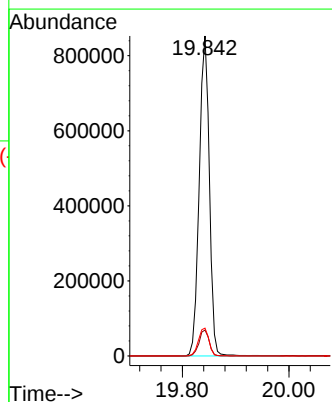
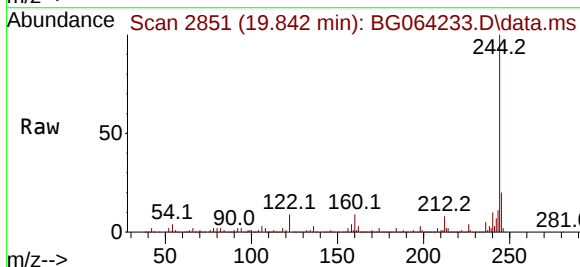
Instrument :
BNA_G
ClientSampleId :
PB169325TB

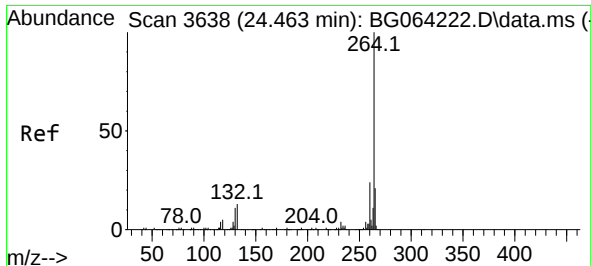
Tgt Ion:184 Resp: 22091
Ion Ratio Lower Upper
184 100
185 16.2 11.7 17.5
183 7.5 9.7 14.5#



#79
Terphenyl-d14
Concen: 108.389 ng
RT: 19.842 min Scan# 2851
Delta R.T. -0.003 min
Lab File: BG064233.D
Acq: 29 Aug 2025 18:37

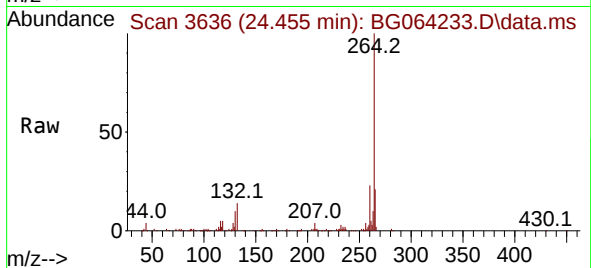
Tgt Ion:244 Resp: 1124640
Ion Ratio Lower Upper
244 100
212 8.1 6.6 10.0
122 8.7 7.0 10.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.455 min Scan# 30
Delta R.T. -0.009 min
Lab File: BG064233.D
Acq: 29 Aug 2025 18:37

Instrument :
BNA_G
ClientSampleId :
PB169325TB



Tgt Ion:264 Resp: 233782

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.9	28.3
265	21.0	16.7	25.1

