

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121125\
 Data File : BG064933.D
 Acq On : 11 Dec 2025 14:11
 Operator : RC/JU
 Sample : PB170902BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB170904BL

Quant Time: Dec 11 14:51:14 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 12 17:10:56 2025
 Response via : Initial Calibration

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

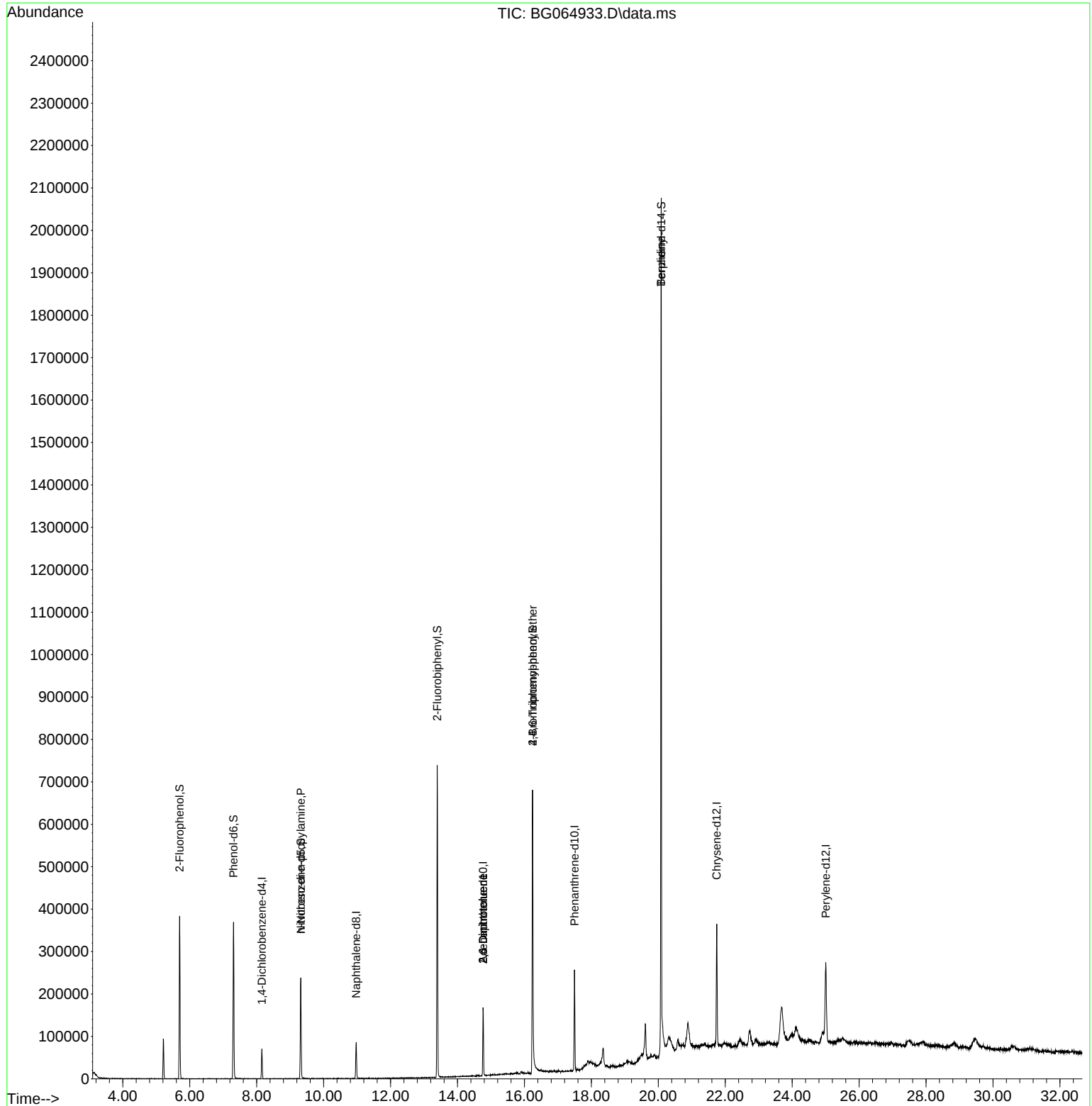
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.155	152	20589	20.000	ng	-0.01
21) Naphthalene-d8	10.975	136	71913	20.000	ng	#-0.01
39) Acenaphthene-d10	14.765	164	62187	20.000	ng	-0.01
64) Phenanthrene-d10	17.497	188	162046	20.000	ng	# 0.00
76) Chrysene-d12	21.745	240	206795	20.000	ng	#-0.01
86) Perylene-d12	25.006	264	233251	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.699	112	152472	129.316	ng	0.00
7) Phenol-d6	7.309	99	187489	119.556	ng	0.00
23) Nitrobenzene-d5	9.318	82	127561	87.703	ng	-0.01
42) 2,4,6-Tribromophenol	16.245	330	197502	162.843	ng	0.00
45) 2-Fluorobiphenyl	13.396	172	405750	91.042	ng	-0.01
79) Terphenyl-d14	20.088	244	1075926	102.345	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.318	70	18523	17.469	ng	# 69
51) 2,6-Dinitrotoluene	14.765	165	8428	8.916	ng	# 21
57) 2,4-Dinitrotoluene	14.765	165	8428	5.947	ng	# 24
67) 4-Bromophenyl-phenylether	16.245	248	11073	5.203	ng	# 1
77) Benzidine	20.082	184	16499	2.664	ng	# 90

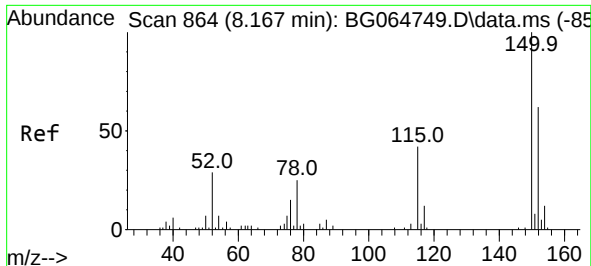
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121125\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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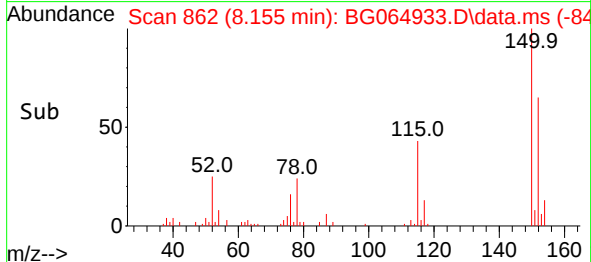
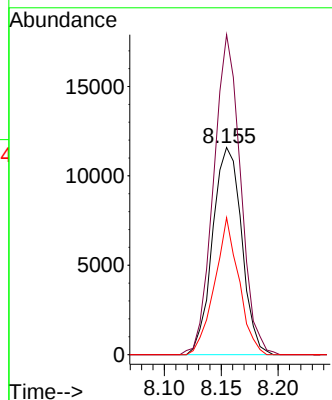
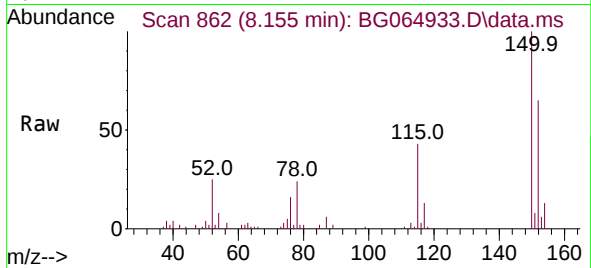




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.155 min Scan# 864
Delta R.T. -0.012 min
Lab File: BG064933.D
Acq: 11 Dec 2025 14:11

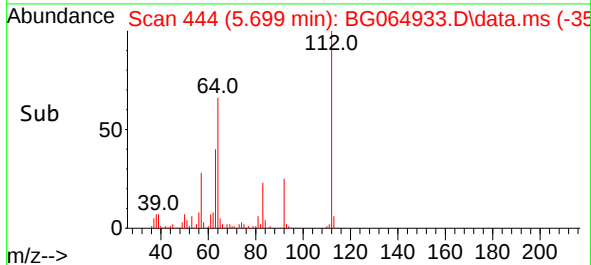
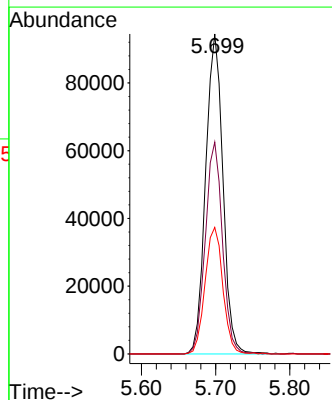
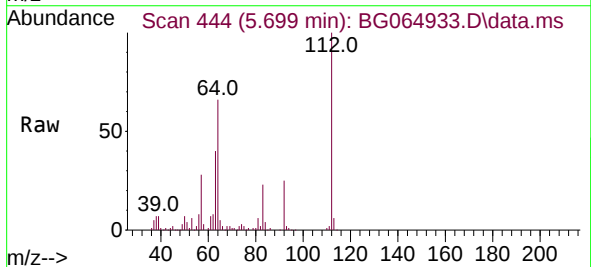
Instrument :
BNA_G
ClientSampleId :
PB170904BL

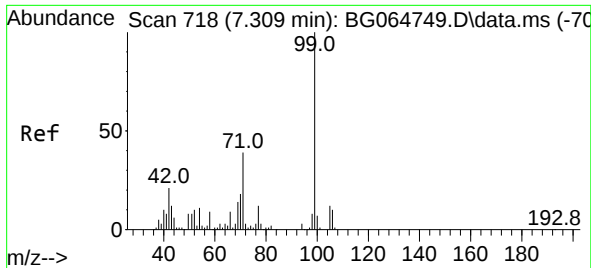
Tgt Ion:152 Resp: 20589
Ion Ratio Lower Upper
152 100
150 154.5 129.2 193.8
115 66.1 53.7 80.5



#5
2-Fluorophenol
Concen: 129.316 ng
RT: 5.699 min Scan# 444
Delta R.T. -0.001 min
Lab File: BG064933.D
Acq: 11 Dec 2025 14:11

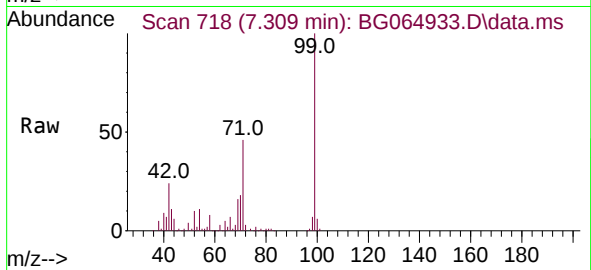
Tgt Ion:112 Resp: 152472
Ion Ratio Lower Upper
112 100
64 66.2 61.0 91.4
63 39.5 33.3 49.9



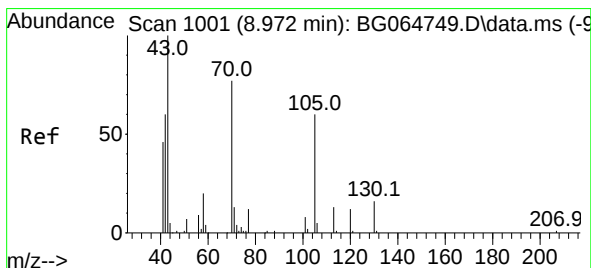
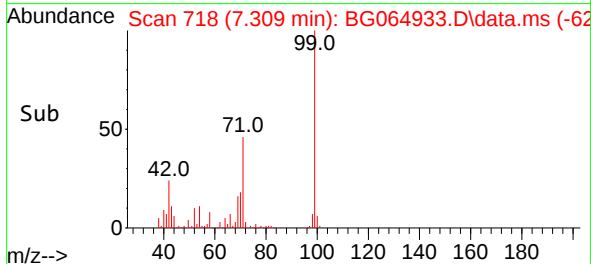
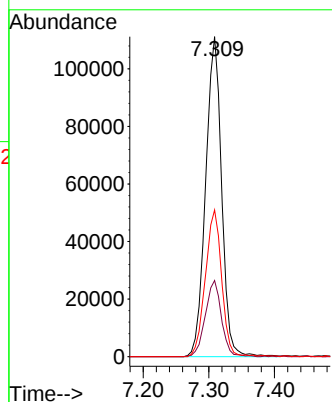


#7
Phenol-d6
Concen: 119.556 ng
RT: 7.309 min Scan# 718
Delta R.T. -0.001 min
Lab File: BG064933.D
Acq: 11 Dec 2025 14:11

Instrument :
BNA_G
ClientSampleId :
PB170904BL

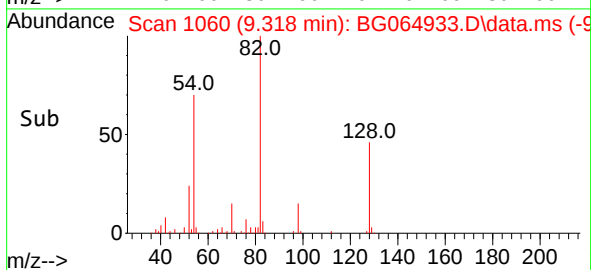
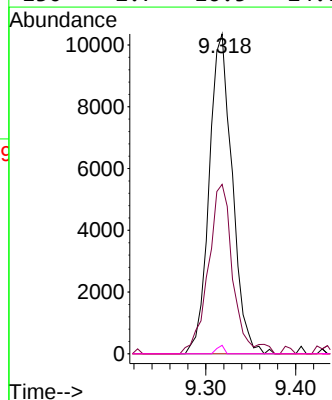
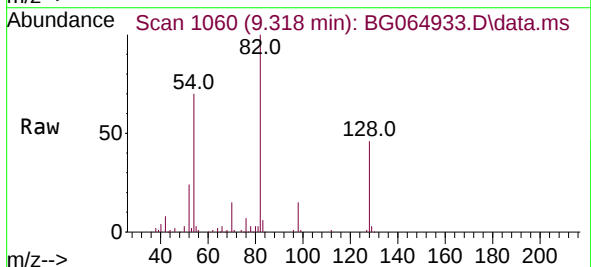


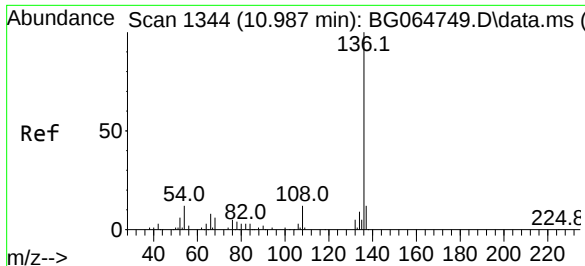
Tgt Ion:	99	Resp:	187489
Ion	Ratio	Lower	Upper
99	100		
42	23.8	16.8	25.2
71	45.8	31.1	46.7



#19
n-Nitroso-di-n-propylamine
Concen: 17.469 ng
RT: 9.318 min Scan# 1060
Delta R.T. 0.346 min
Lab File: BG064933.D
Acq: 11 Dec 2025 14:11

Tgt Ion:	70	Resp:	18523
Ion	Ratio	Lower	Upper
70	100		
42	53.0	62.6	93.8#
101	0.0	8.0	12.0#
130	2.7	16.5	24.7#

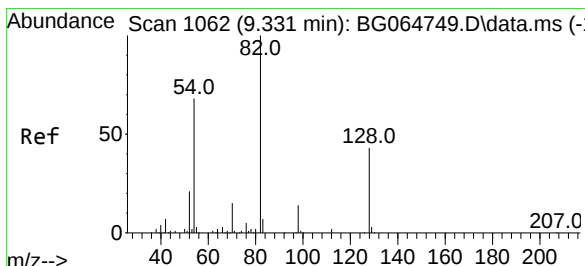
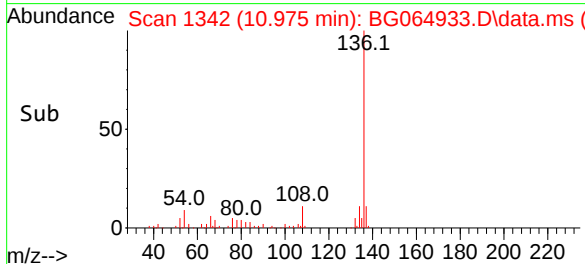
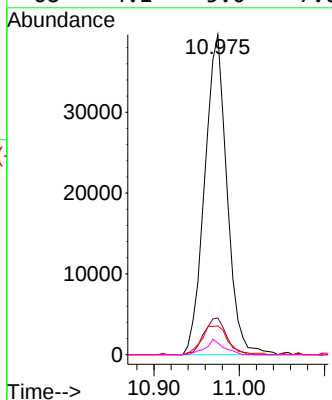
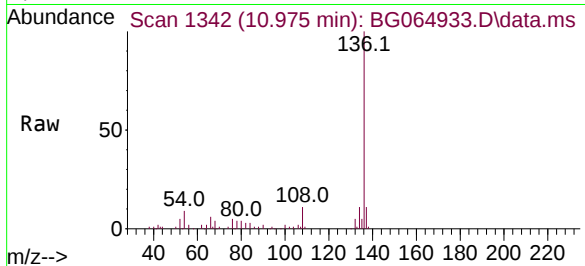




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.975 min Scan# 1344
Delta R.T. -0.012 min
Lab File: BG064933.D
Acq: 11 Dec 2025 14:11

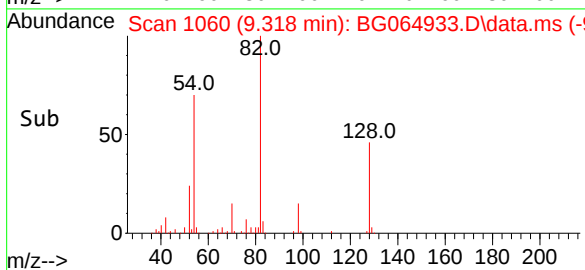
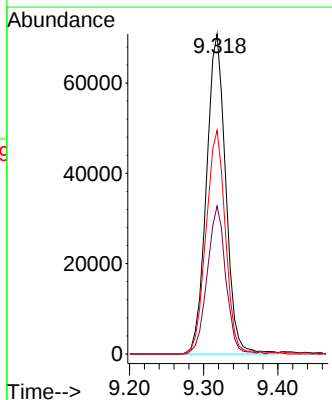
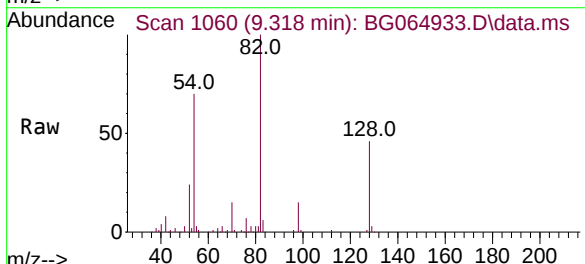
Instrument :
BNA_G
ClientSampleId :
PB170904BL

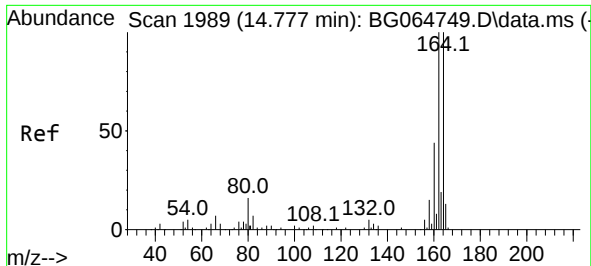
Tgt Ion:	136	Resp:	71913
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.3	13.9
54	9.0	9.3	13.9#
68	4.1	5.0	7.6#



#23
Nitrobenzene-d5
Concen: 87.703 ng
RT: 9.318 min Scan# 1060
Delta R.T. -0.013 min
Lab File: BG064933.D
Acq: 11 Dec 2025 14:11

Tgt Ion:	82	Resp:	127561
Ion Ratio	Lower	Upper	
82	100		
128	46.2	34.1	51.1
54	69.9	54.3	81.5

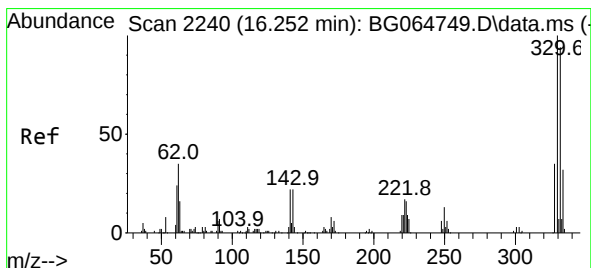
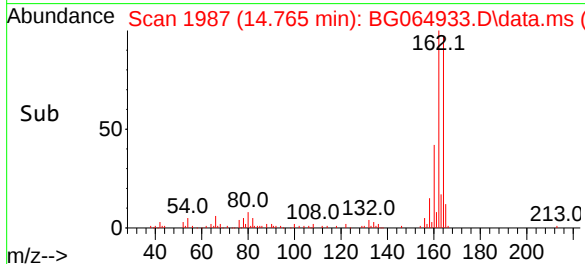
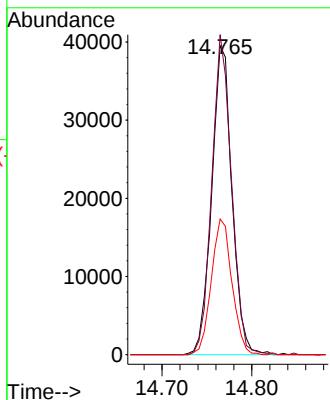
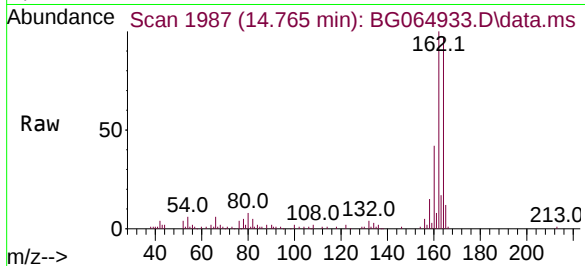




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.765 min Scan# 1989
 Delta R.T. -0.013 min
 Lab File: BG064933.D
 Acq: 11 Dec 2025 14:11

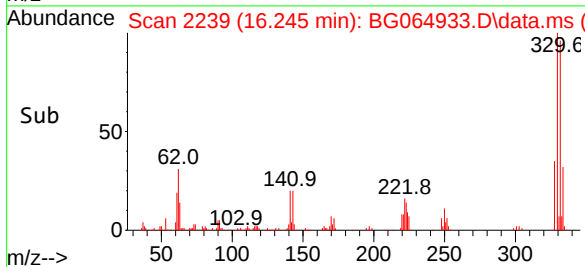
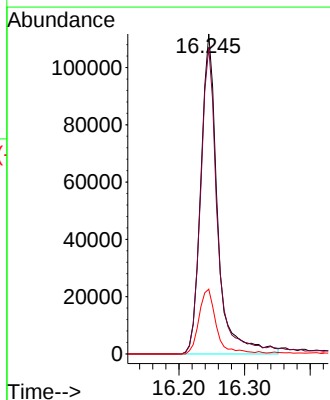
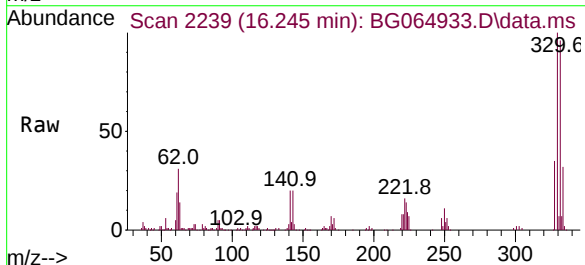
Instrument :
 BNA_G
 ClientSampleId :
 PB170904BL

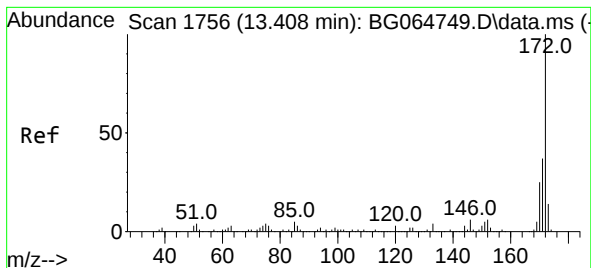
Tgt Ion:164 Resp: 62187
 Ion Ratio Lower Upper
 164 100
 162 103.6 79.8 119.6
 160 43.9 34.9 52.3



#42
 2,4,6-Tribromophenol
 Concen: 162.843 ng
 RT: 16.245 min Scan# 2239
 Delta R.T. -0.007 min
 Lab File: BG064933.D
 Acq: 11 Dec 2025 14:11

Tgt Ion:330 Resp: 197502
 Ion Ratio Lower Upper
 330 100
 332 95.3 77.0 115.6
 141 20.7 18.2 27.2





#45

2-Fluorobiphenyl

Concen: 91.042 ng

RT: 13.396 min Scan# 1

Delta R.T. -0.013 min

Lab File: BG064933.D

Acq: 11 Dec 2025 14:11

Instrument :

BNA_G

ClientSampleId :

PB170904BL

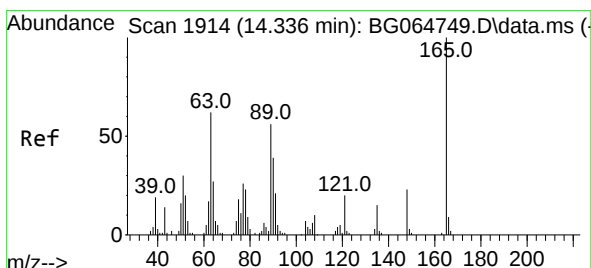
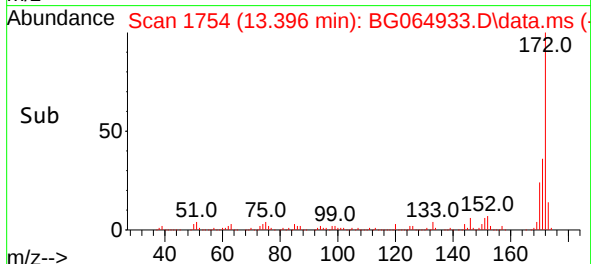
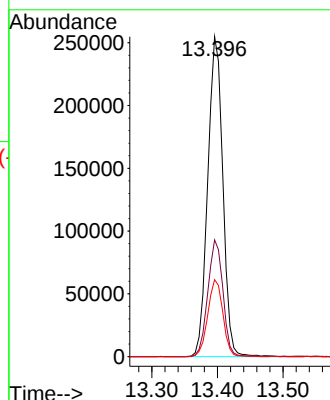
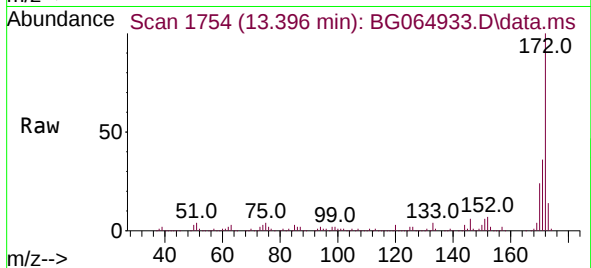
Tgt Ion:172 Resp: 405750

Ion Ratio Lower Upper

172 100

171 36.5 29.9 44.9

170 24.0 19.8 29.6



#51

2,6-Dinitrotoluene

Concen: 8.916 ng

RT: 14.765 min Scan# 1987

Delta R.T. 0.428 min

Lab File: BG064933.D

Acq: 11 Dec 2025 14:11

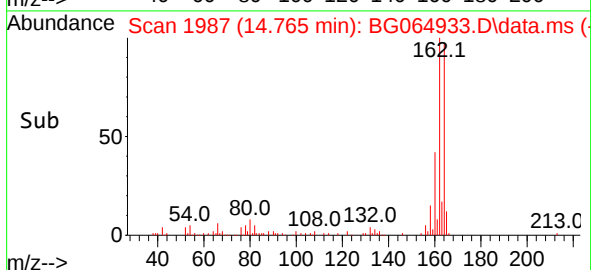
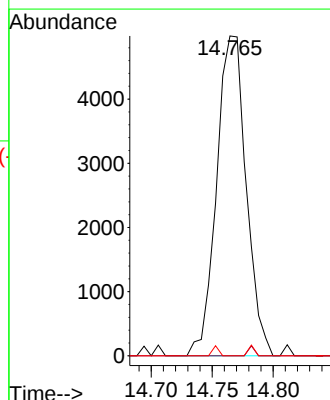
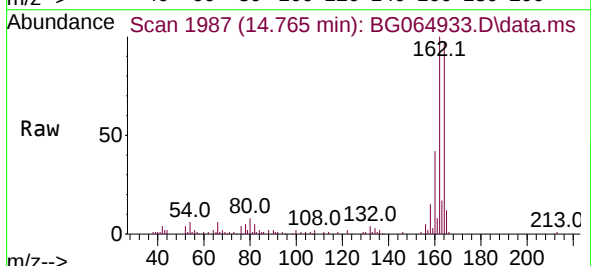
Tgt Ion:165 Resp: 8428

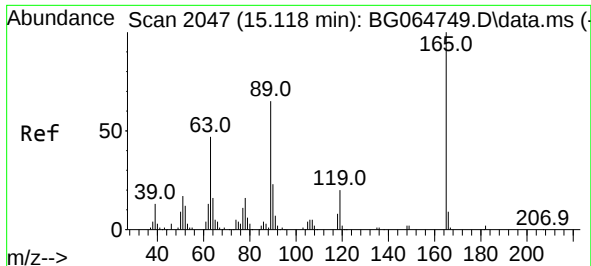
Ion Ratio Lower Upper

165 100

63 0.0 49.8 74.8#

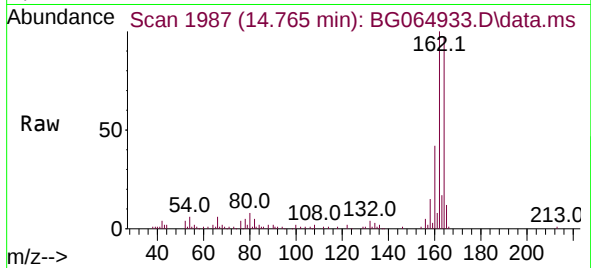
89 0.0 45.0 67.4#



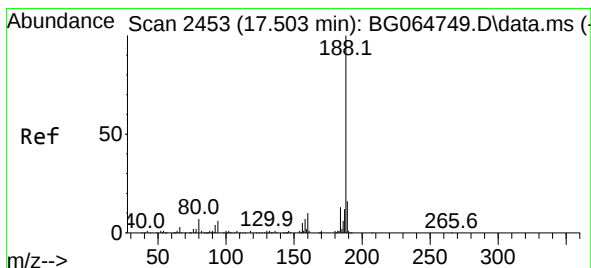
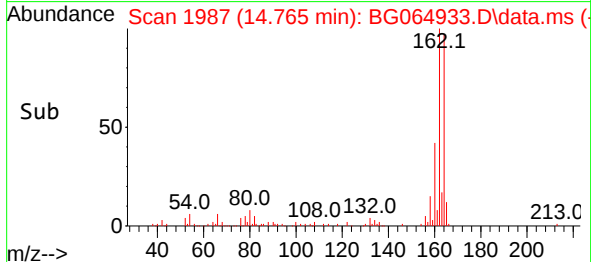
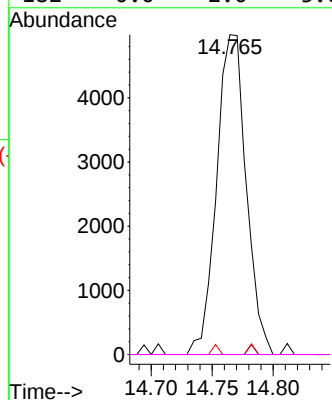


#57
2,4-Dinitrotoluene
Concen: 5.947 ng
RT: 14.765 min Scan# 1987
Delta R.T. -0.353 min
Lab File: BG064933.D
Acq: 11 Dec 2025 14:11

Instrument :
BNA_G
ClientSampleId :
PB170904BL

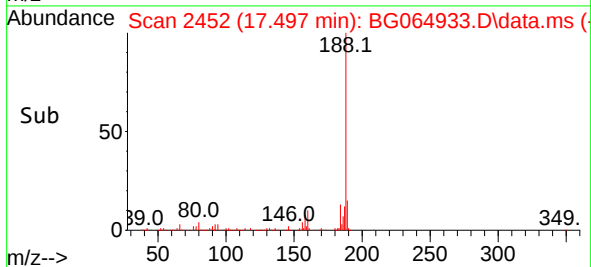
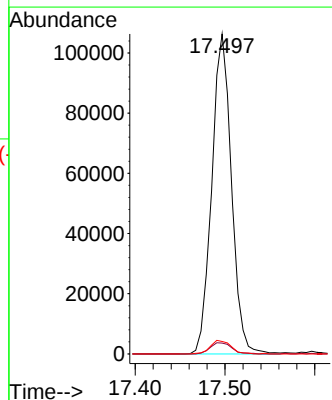
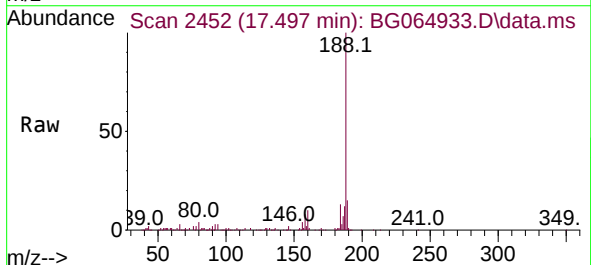


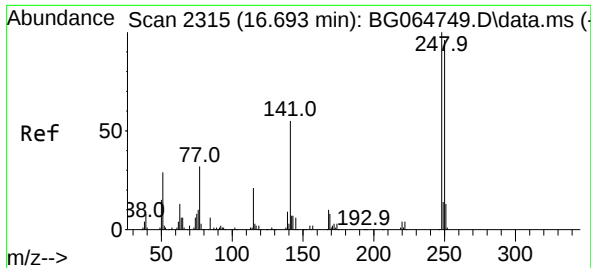
Tgt Ion:165 Resp: 8428
Ion Ratio Lower Upper
165 100
63 0.0 37.8 56.6#
89 0.0 51.6 77.4#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.497 min Scan# 2452
Delta R.T. -0.007 min
Lab File: BG064933.D
Acq: 11 Dec 2025 14:11

Tgt Ion:188 Resp: 162046
Ion Ratio Lower Upper
188 100
94 3.4 4.7 7.1#
80 3.9 5.4 8.2#

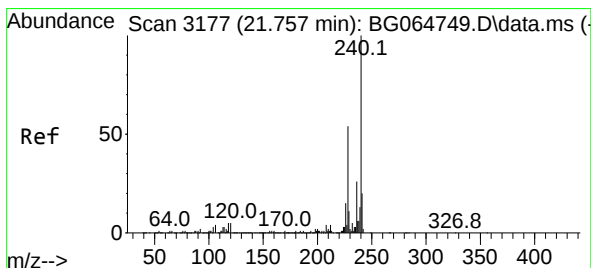
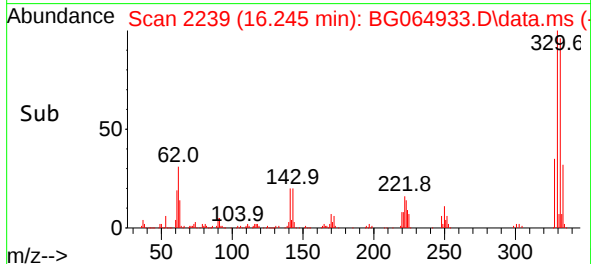
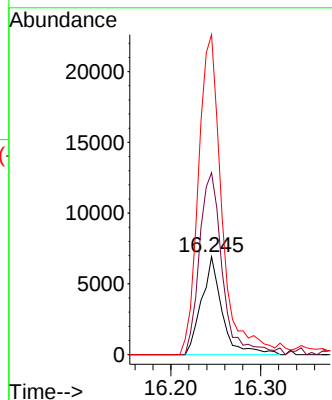
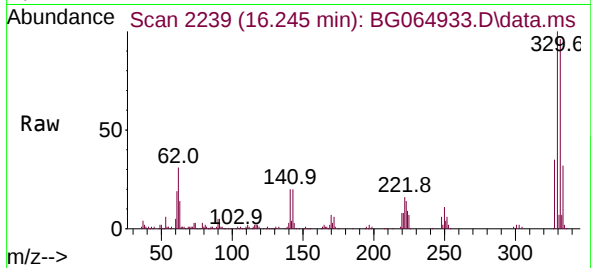




#67
4-Bromophenyl-phenylether
Concen: 5.203 ng
RT: 16.245 min Scan# 21
Delta R.T. -0.447 min
Lab File: BG064933.D
Acq: 11 Dec 2025 14:11

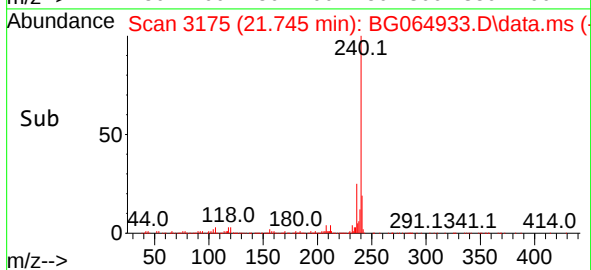
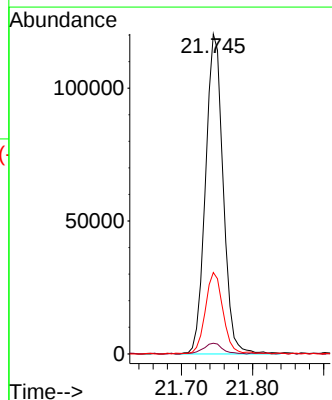
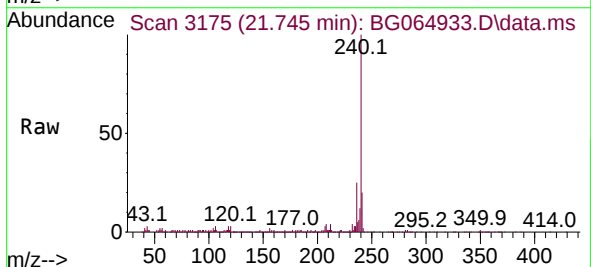
Instrument :
BNA_G
ClientSampleId :
PB170904BL

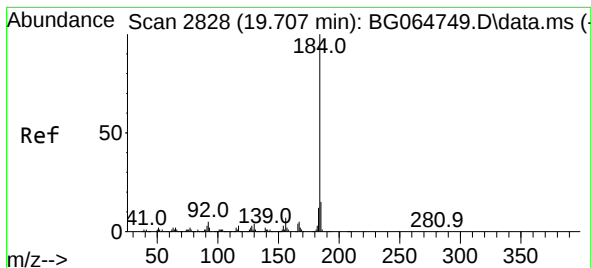
Tgt Ion:248 Resp: 11073
Ion Ratio Lower Upper
248 100
250 138.3 77.0 115.6#
141 243.5 43.7 65.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.745 min Scan# 3175
Delta R.T. -0.013 min
Lab File: BG064933.D
Acq: 11 Dec 2025 14:11

Tgt Ion:240 Resp: 206795
Ion Ratio Lower Upper
240 100
120 3.4 4.2 6.4#
236 25.4 20.8 31.2





#77

Benzidine

Concen: 2.664 ng

RT: 20.082 min Scan# 2892

Delta R.T. 0.375 min

Lab File: BG064933.D

Acq: 11 Dec 2025 14:11

Instrument :

BNA_G

ClientSampleId :

PB170904BL

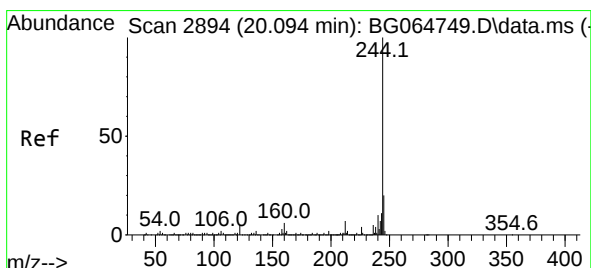
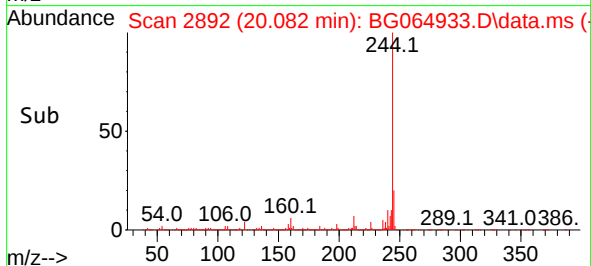
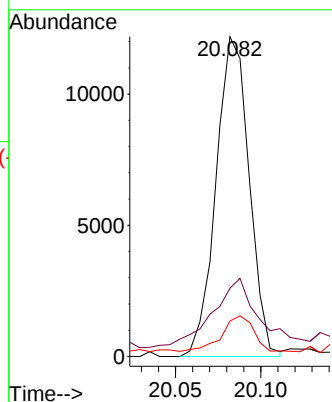
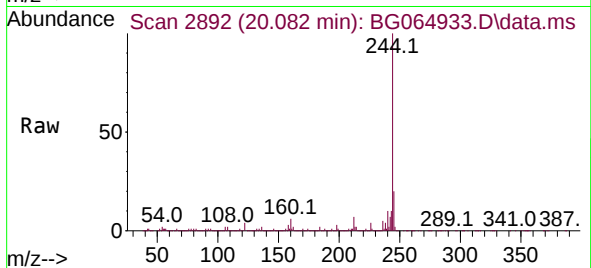
Tgt Ion:184 Resp: 16499

Ion Ratio Lower Upper

184 100

185 21.4 11.8 17.6#

183 11.1 9.8 14.6



#79

Terphenyl-d14

Concen: 102.345 ng

RT: 20.088 min Scan# 2893

Delta R.T. -0.007 min

Lab File: BG064933.D

Acq: 11 Dec 2025 14:11

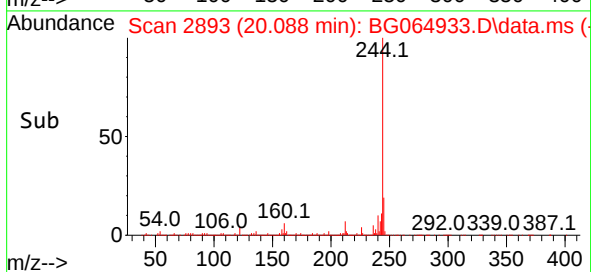
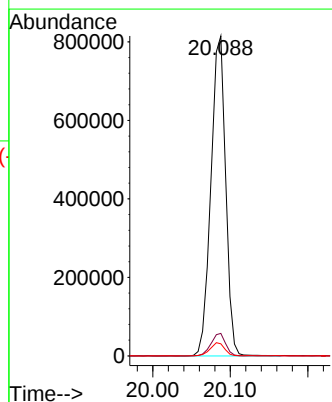
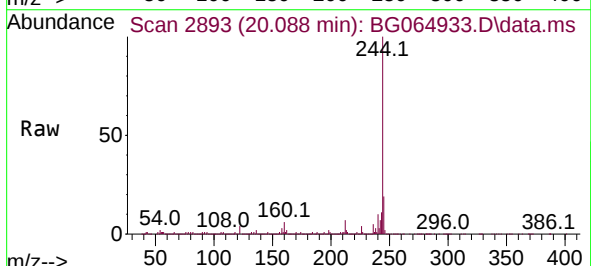
Tgt Ion:244 Resp: 1075926

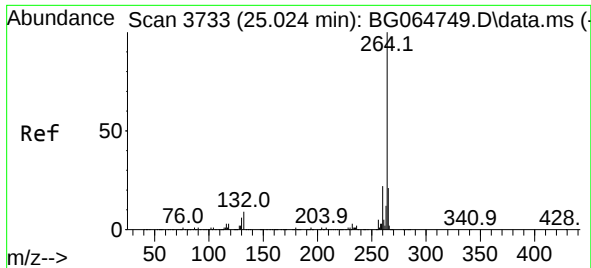
Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

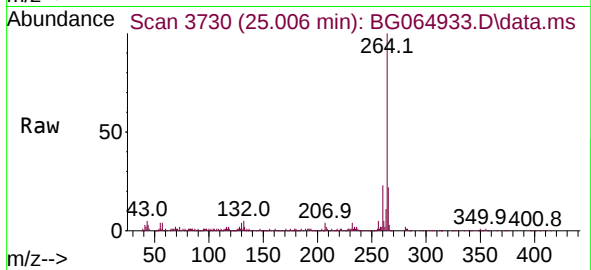
122 3.8 4.3 6.5#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.006 min Scan# 31
 Delta R.T. -0.018 min
 Lab File: BG064933.D
 Acq: 11 Dec 2025 14:11

Instrument :
 BNA_G
 ClientSampleId :
 PB170904BL



Tgt Ion:264 Resp: 233251
 Ion Ratio Lower Upper
 264 100
 260 23.5 17.2 25.8
 265 22.5 16.6 25.0

