

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092225\
 Data File : BG064419.D
 Acq On : 22 Sep 2025 17:38
 Operator : RC/JU
 Sample : PB169783BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 22 18:22:32 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)

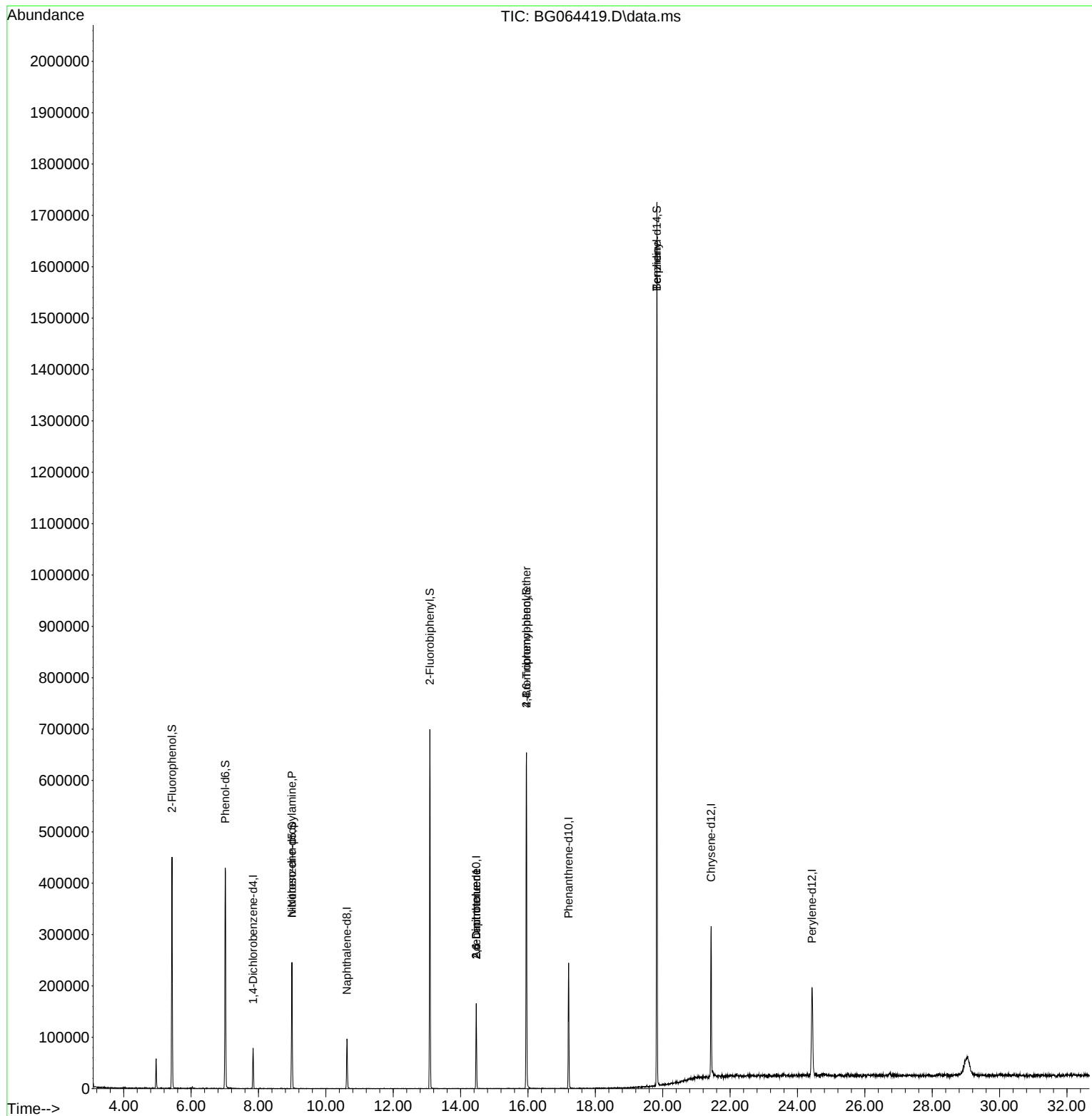
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.842	152	19046	20.000	ng	-0.02
21) Naphthalene-d8	10.627	136	76167	20.000	ng	#-0.02
39) Acenaphthene-d10	14.463	164	56503	20.000	ng	-0.02
64) Phenanthrene-d10	17.207	188	147930	20.000	ng	#-0.02
76) Chrysene-d12	21.437	240	169803	20.000	ng	#-0.02
86) Perylene-d12	24.434	264	186504	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.433	112	153456	144.552	ng	-0.01
7) Phenol-d6	7.013	99	195036	133.728	ng	-0.02
23) Nitrobenzene-d5	8.993	82	122948	90.024	ng	-0.02
42) 2,4,6-Tribromophenol	15.956	330	126556	169.100	ng	-0.02
45) 2-Fluorobiphenyl	13.088	172	329310	88.959	ng	-0.02
79) Terphenyl-d14	19.828	244	781675	96.043	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propyla...	8.993	70	19743	17.688	ng	# 72
51) 2,6-Dinitrotoluene	14.463	165	8065	9.741	ng	# 14
57) 2,4-Dinitrotoluene	14.463	165	8065	6.442	ng	# 17
67) 4-Bromophenyl-phenylether	15.956	248	9162	5.831	ng	# 1
77) Benzidine	19.828	184	16052	4.494	ng	# 91

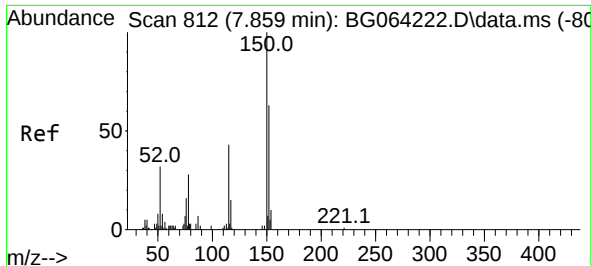
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092225\
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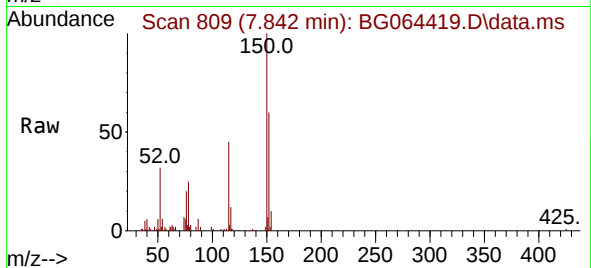
Quant Time: Sep 22 18:22:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 28 17:41:58 2025
Response via : Initial Calibration



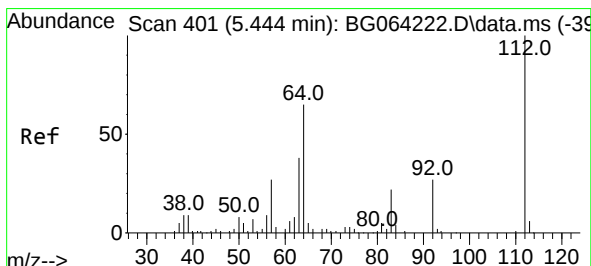
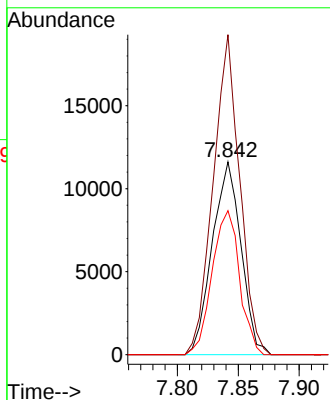
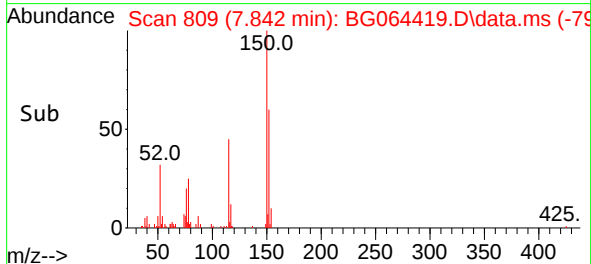


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.842 min Scan# 809
Delta R.T. -0.017 min
Lab File: BG064419.D
Acq: 22 Sep 2025 17:38

Instrument :
BNA_G
ClientSampleId :

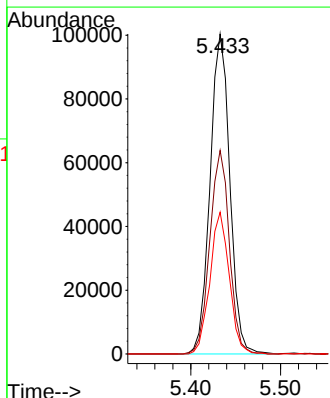
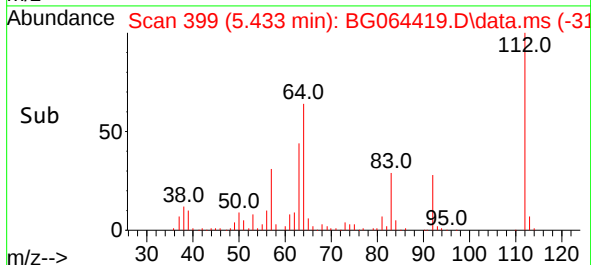
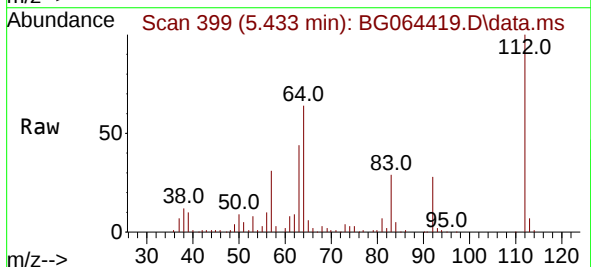


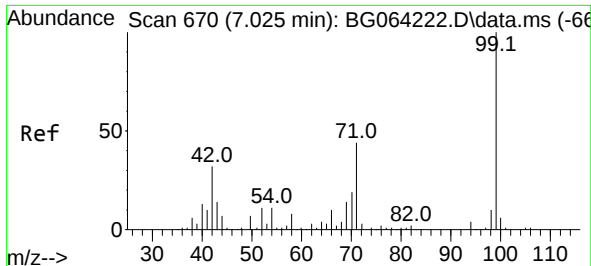
Tgt Ion:152 Resp: 19046
Ion Ratio Lower Upper
152 100
150 166.0 128.0 192.0
115 74.7 55.7 83.5



#5
2-Fluorophenol
Concen: 144.552 ng
RT: 5.433 min Scan# 399
Delta R.T. -0.012 min
Lab File: BG064419.D
Acq: 22 Sep 2025 17:38

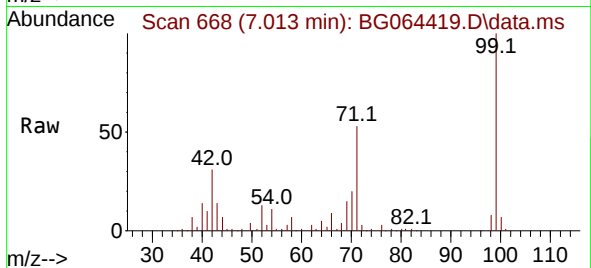
Tgt Ion:112 Resp: 153456
Ion Ratio Lower Upper
112 100
64 63.6 51.8 77.6
63 44.3 30.6 45.8



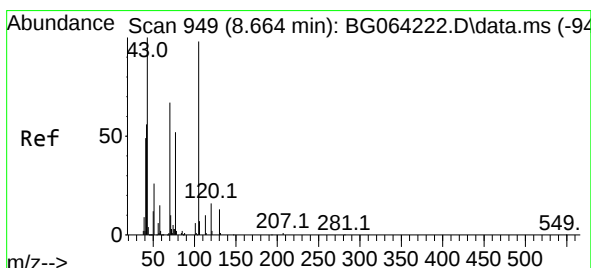
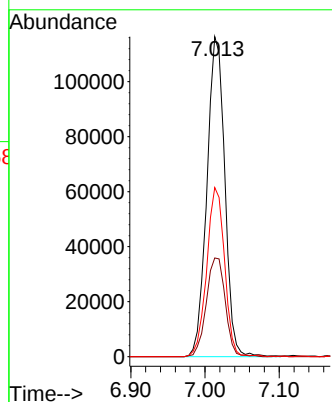
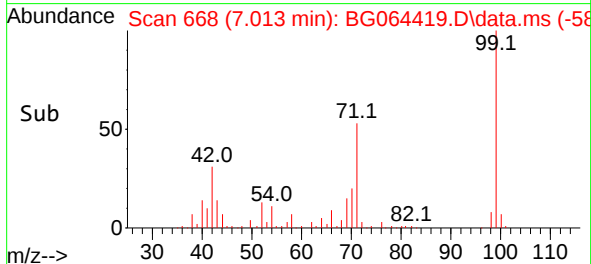


#7
Phenol-d6
Concen: 133.728 ng
RT: 7.013 min Scan# 61
Delta R.T. -0.018 min
Lab File: BG064419.D
Acq: 22 Sep 2025 17:38

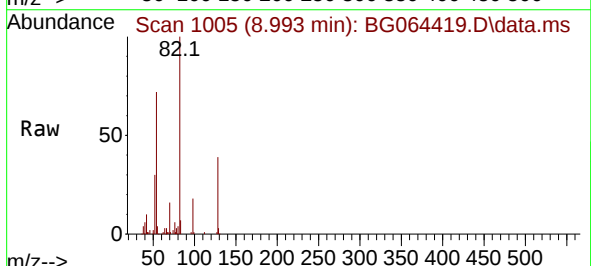
Instrument :
BNA_G
ClientSampleId :



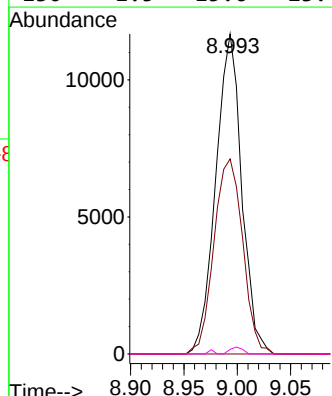
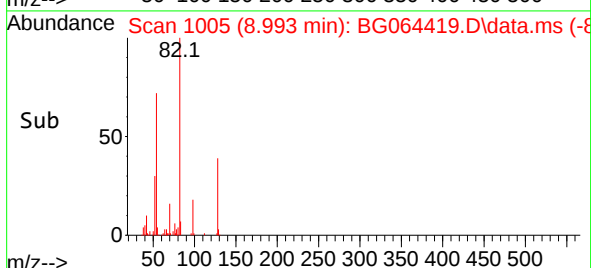
Tgt Ion: 99 Resp: 195036
Ion Ratio Lower Upper
99 100
42 30.8 25.8 38.8
71 52.8 35.2 52.8#

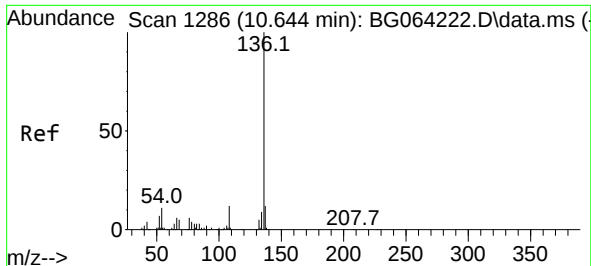


#19
n-Nitroso-di-n-propylamine
Concen: 17.688 ng
RT: 8.993 min Scan# 1005
Delta R.T. 0.329 min
Lab File: BG064419.D
Acq: 22 Sep 2025 17:38



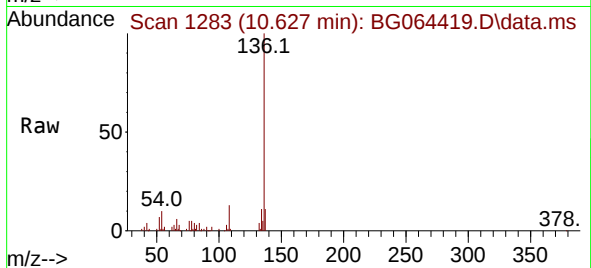
Tgt Ion: 70 Resp: 19743
Ion Ratio Lower Upper
70 100
42 60.9 67.9 101.9#
101 0.0 7.3 10.9#
130 1.5 15.6 23.4#



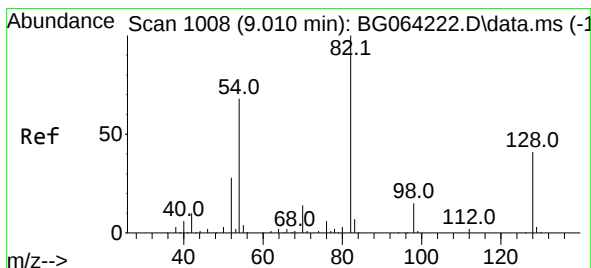
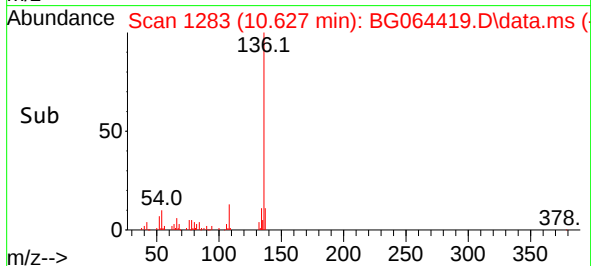
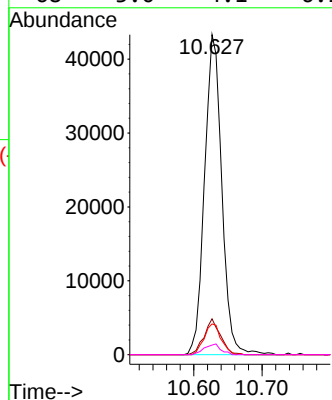


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.627 min Scan# 11
Delta R.T. -0.023 min
Lab File: BG064419.D
Acq: 22 Sep 2025 17:38

Instrument :
BNA_G
ClientSampleId :

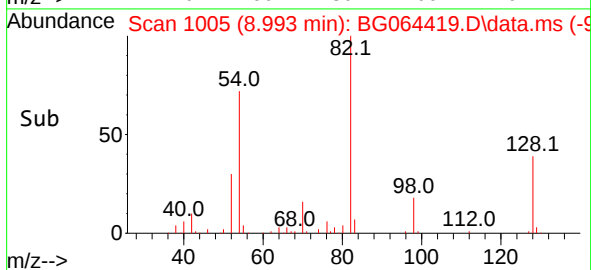
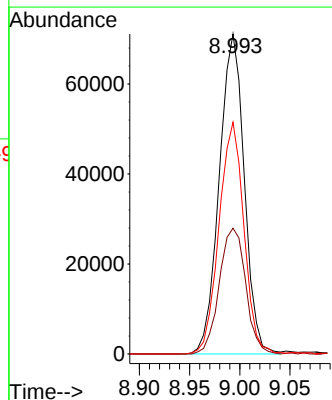
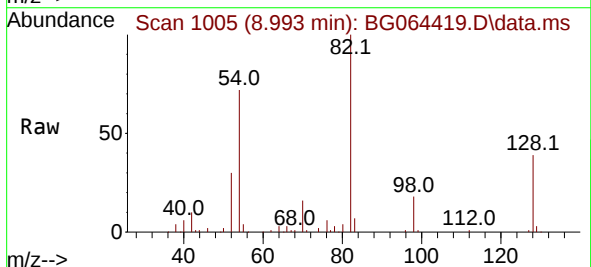


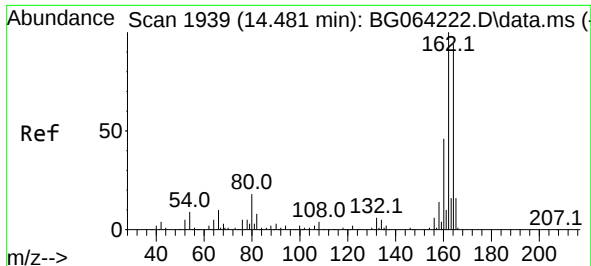
Tgt Ion:	136	Resp:	76167
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.6	14.4
54	9.6	8.8	13.2
68	3.0	4.1	6.1



#23
Nitrobenzene-d5
Concen: 90.024 ng
RT: 8.993 min Scan# 1005
Delta R.T. -0.023 min
Lab File: BG064419.D
Acq: 22 Sep 2025 17:38

Tgt Ion:	82	Resp:	122948
Ion Ratio	Lower	Upper	
82	100		
128	39.3	32.6	48.8
54	72.4	54.7	82.1

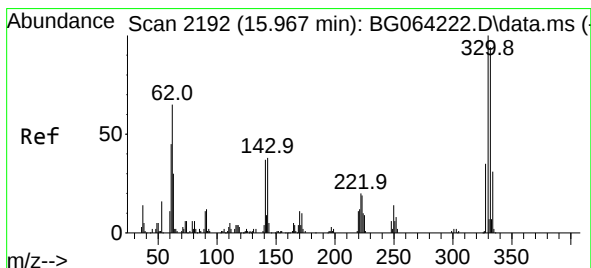
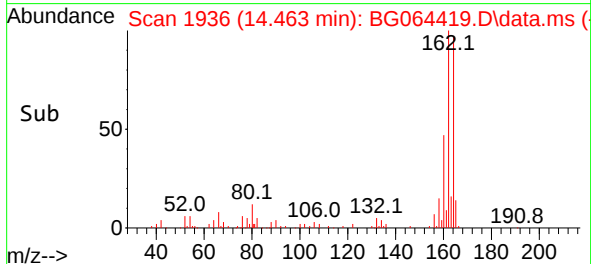
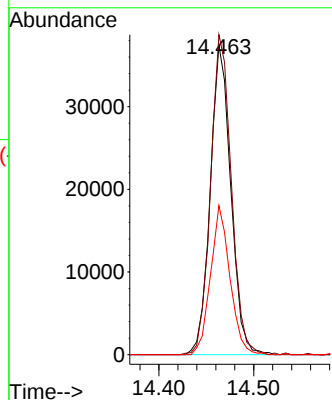
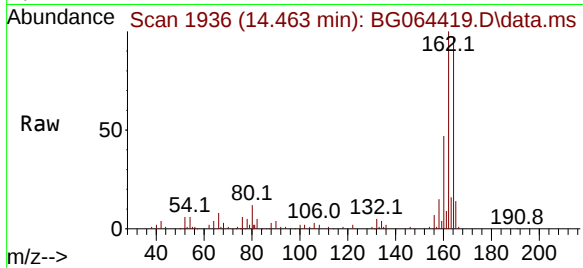




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1936
Delta R.T. -0.018 min
Lab File: BG064419.D
Acq: 22 Sep 2025 17:38

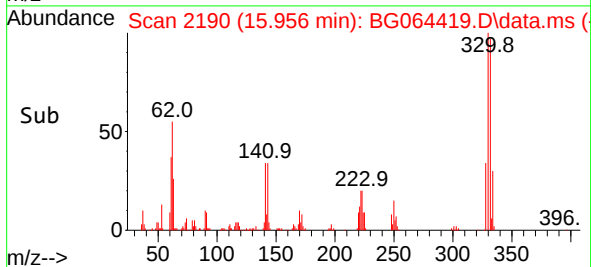
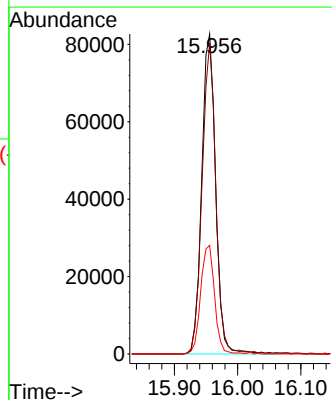
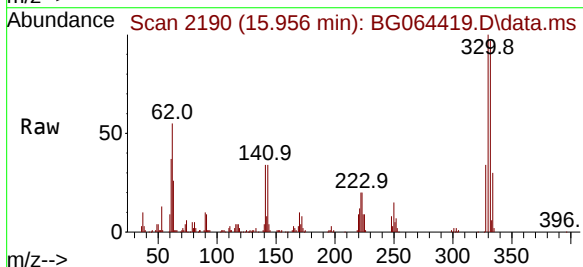
Instrument :
BNA_G
ClientSampleId :

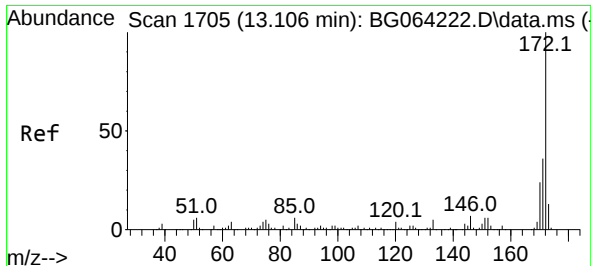
Tgt Ion:164 Resp: 56503
Ion Ratio Lower Upper
164 100
162 103.4 85.4 128.0
160 48.2 39.2 58.8



#42
2,4,6-Tribromophenol
Concen: 169.100 ng
RT: 15.956 min Scan# 2190
Delta R.T. -0.018 min
Lab File: BG064419.D
Acq: 22 Sep 2025 17:38

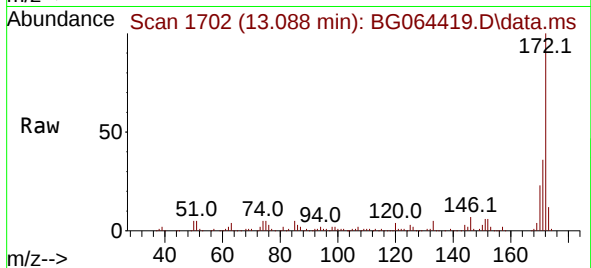
Tgt Ion:330 Resp: 126556
Ion Ratio Lower Upper
330 100
332 96.3 77.6 116.4
141 33.9 29.8 44.6



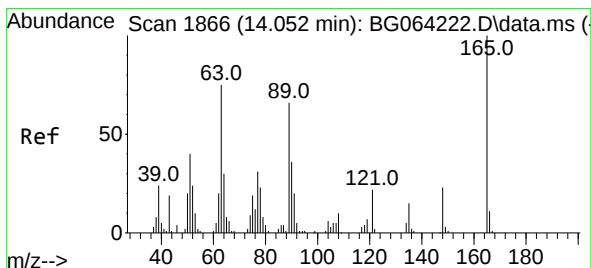
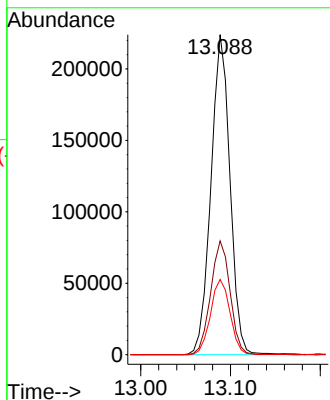
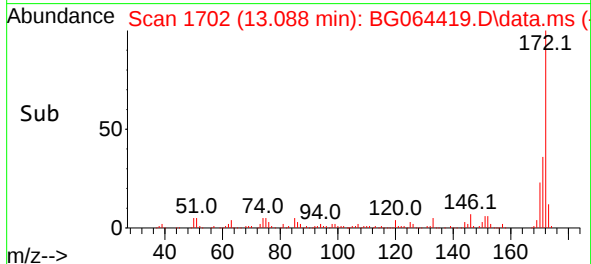


#45
2-Fluorobiphenyl
Concen: 88.959 ng
RT: 13.088 min Scan# 1
Delta R.T. -0.023 min
Lab File: BG064419.D
Acq: 22 Sep 2025 17:38

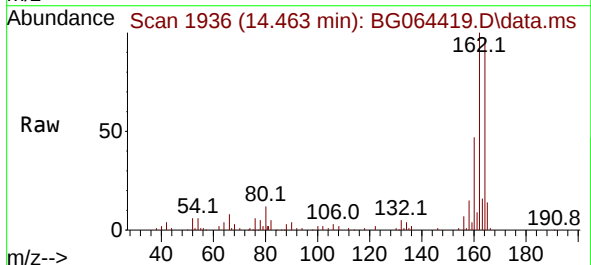
Instrument :
BNA_G
ClientSampleId :



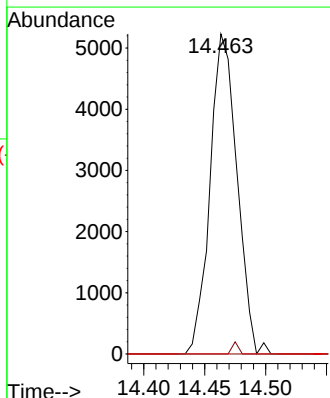
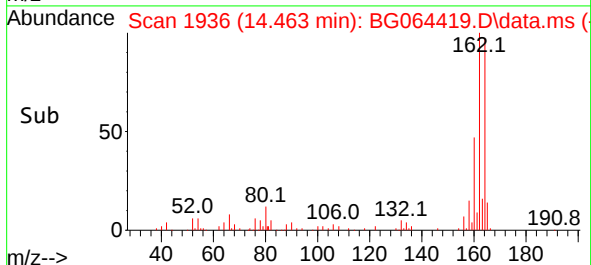
Tgt Ion:172 Resp: 329310
Ion Ratio Lower Upper
172 100
171 35.6 28.7 43.1
170 23.5 19.0 28.6

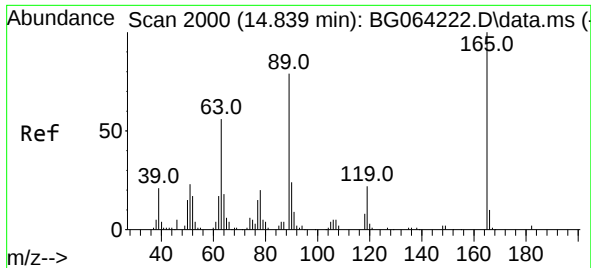


#51
2,6-Dinitrotoluene
Concen: 9.741 ng
RT: 14.463 min Scan# 1936
Delta R.T. 0.405 min
Lab File: BG064419.D
Acq: 22 Sep 2025 17:38



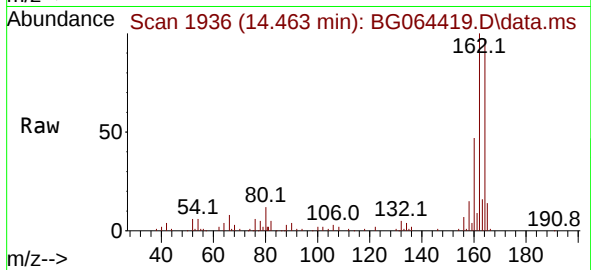
Tgt Ion:165 Resp: 8065
Ion Ratio Lower Upper
165 100
63 0.0 60.3 90.5#
89 0.0 52.9 79.3#



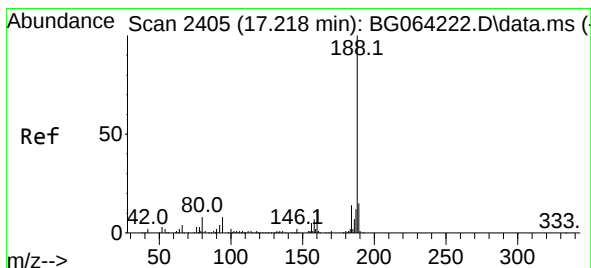
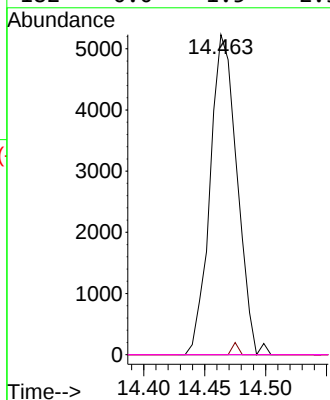
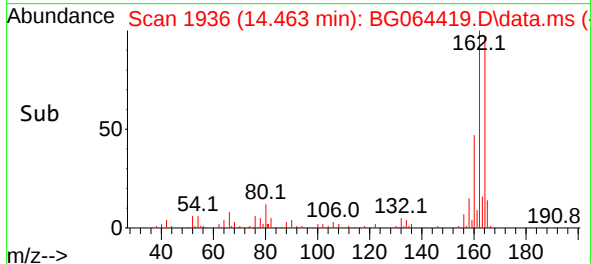


#57
2,4-Dinitrotoluene
Concen: 6.442 ng
RT: 14.463 min Scan# 1936
Delta R.T. -0.382 min
Lab File: BG064419.D
Acq: 22 Sep 2025 17:38

Instrument :
BNA_G
ClientSampleId :

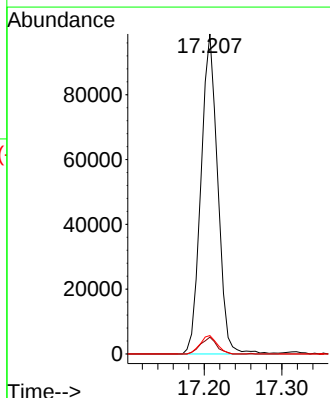
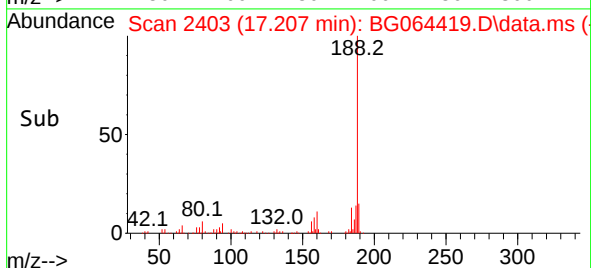
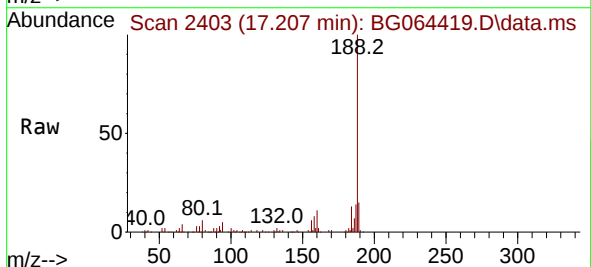


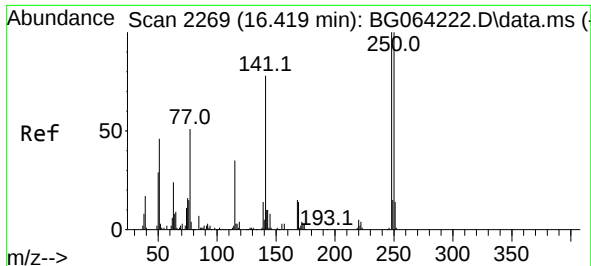
Tgt Ion:165	Resp:	8065
Ion	Ratio	Lower Upper
165	100	
63	0.0	44.6 67.0#
89	0.0	63.0 94.4#
182	0.0	1.5 2.3#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.207 min Scan# 2403
Delta R.T. -0.018 min
Lab File: BG064419.D
Acq: 22 Sep 2025 17:38

Tgt Ion:188	Resp:	147930
Ion	Ratio	Lower Upper
188	100	
94	5.2	6.2 9.4#
80	5.8	6.8 10.2#

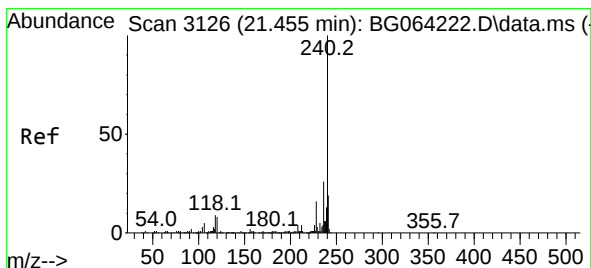
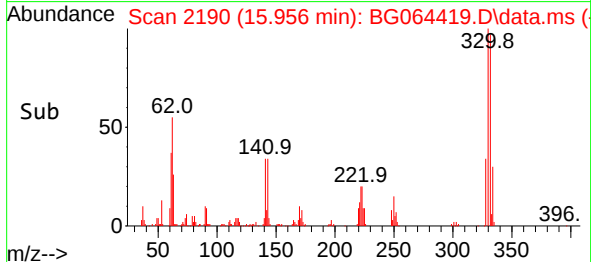
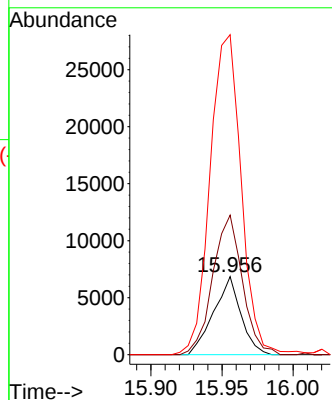
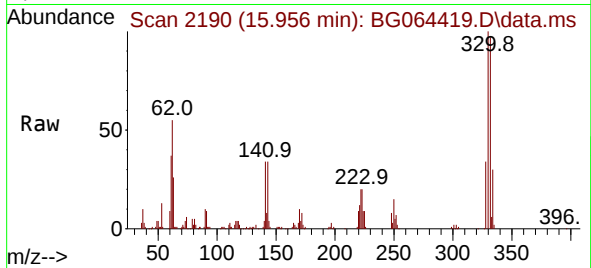




#67
4-Bromophenyl-phenylether
Concen: 5.831 ng
RT: 15.956 min Scan# 2190
Delta R.T. -0.464 min
Lab File: BG064419.D
Acq: 22 Sep 2025 17:38

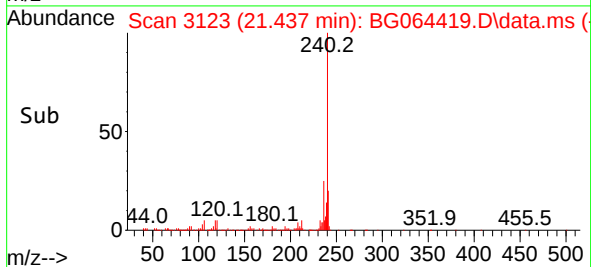
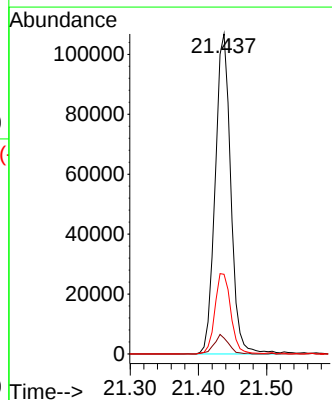
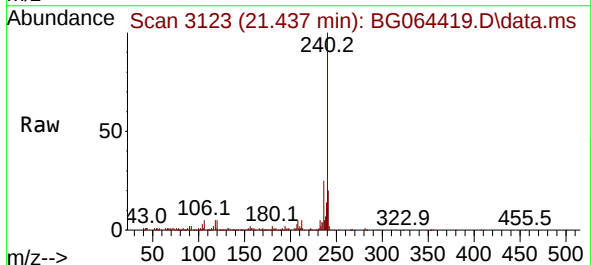
Instrument :
BNA_G
ClientSampleId :

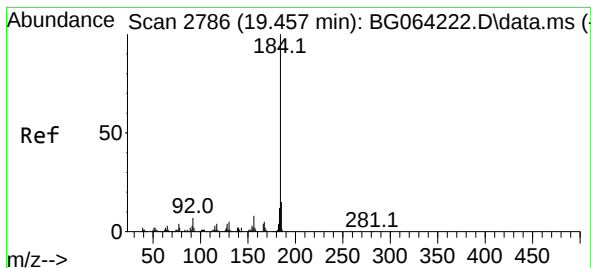
Tgt Ion:248 Resp: 9162
Ion Ratio Lower Upper
248 100
250 178.8 80.2 120.4#
141 409.8 62.4 93.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.437 min Scan# 3123
Delta R.T. -0.018 min
Lab File: BG064419.D
Acq: 22 Sep 2025 17:38

Tgt Ion:240 Resp: 169803
Ion Ratio Lower Upper
240 100
120 5.0 6.2 9.4#
236 24.9 20.5 30.7





#77

Benzidine

Concen: 4.494 ng

RT: 19.828 min Scan# 2849

Delta R.T. 0.370 min

Lab File: BG064419.D

Acq: 22 Sep 2025 17:38

Instrument :

BNA_G

ClientSampleId :

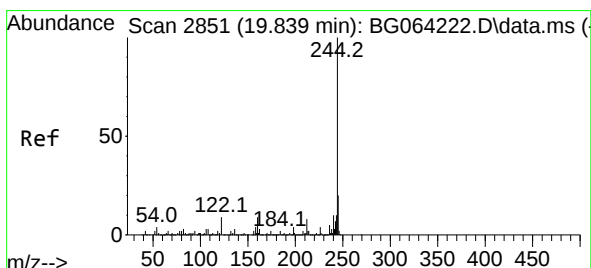
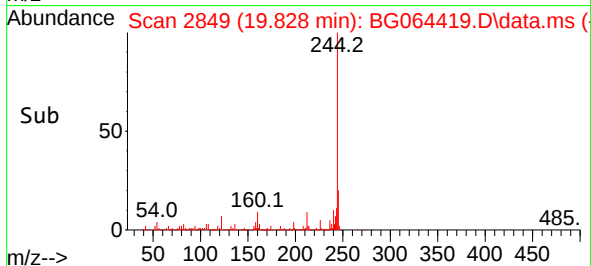
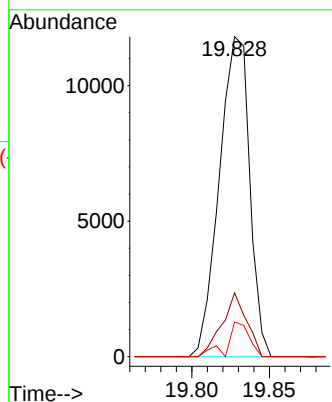
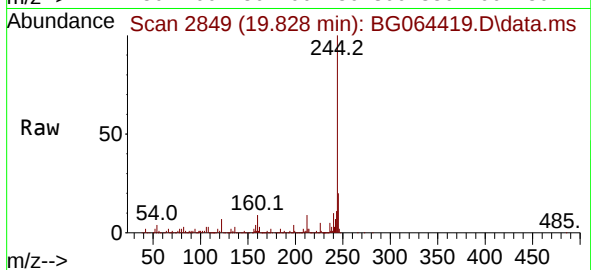
Tgt Ion:184 Resp: 16052

Ion Ratio Lower Upper

184 100

185 20.0 11.7 17.5#

183 10.9 9.7 14.5



#79

Terphenyl-d14

Concen: 96.043 ng

RT: 19.828 min Scan# 2849

Delta R.T. -0.018 min

Lab File: BG064419.D

Acq: 22 Sep 2025 17:38

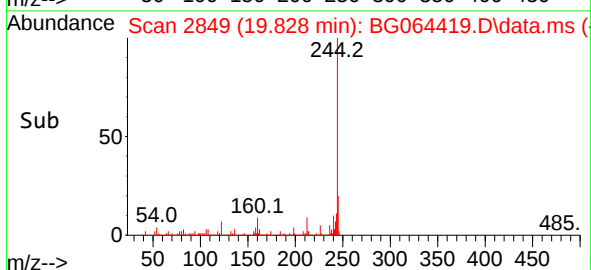
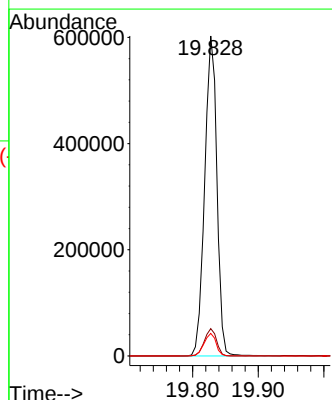
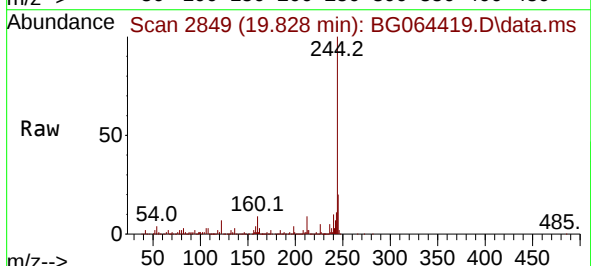
Tgt Ion:244 Resp: 781675

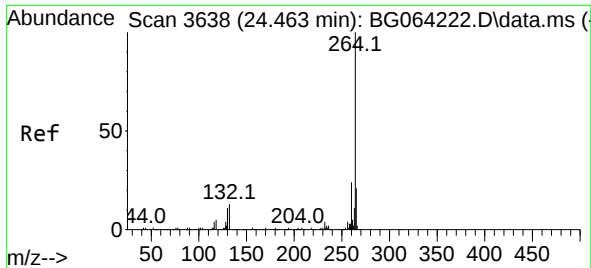
Ion Ratio Lower Upper

244 100

212 8.5 6.6 10.0

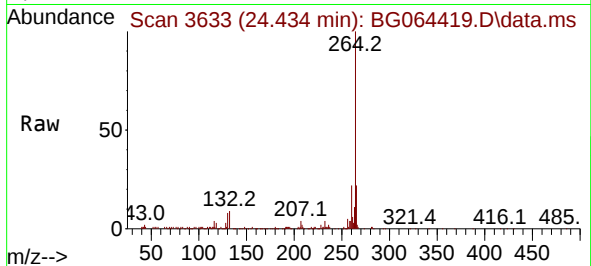
122 7.1 7.0 10.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.434 min Scan# 30
 Delta R.T. -0.029 min
 Lab File: BG064419.D
 Acq: 22 Sep 2025 17:38

Instrument :
 BNA_G
 ClientSampleId :



Tgt Ion:264 Resp: 186504
 Ion Ratio Lower Upper
 264 100
 260 21.9 18.9 28.3
 265 22.3 16.7 25.1

