

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
 Data File : BG064491.D
 Acq On : 3 Oct 2025 17:38
 Operator : RC/JU
 Sample : Q3263-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 251818

Quant Time: Oct 03 18:29:12 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)

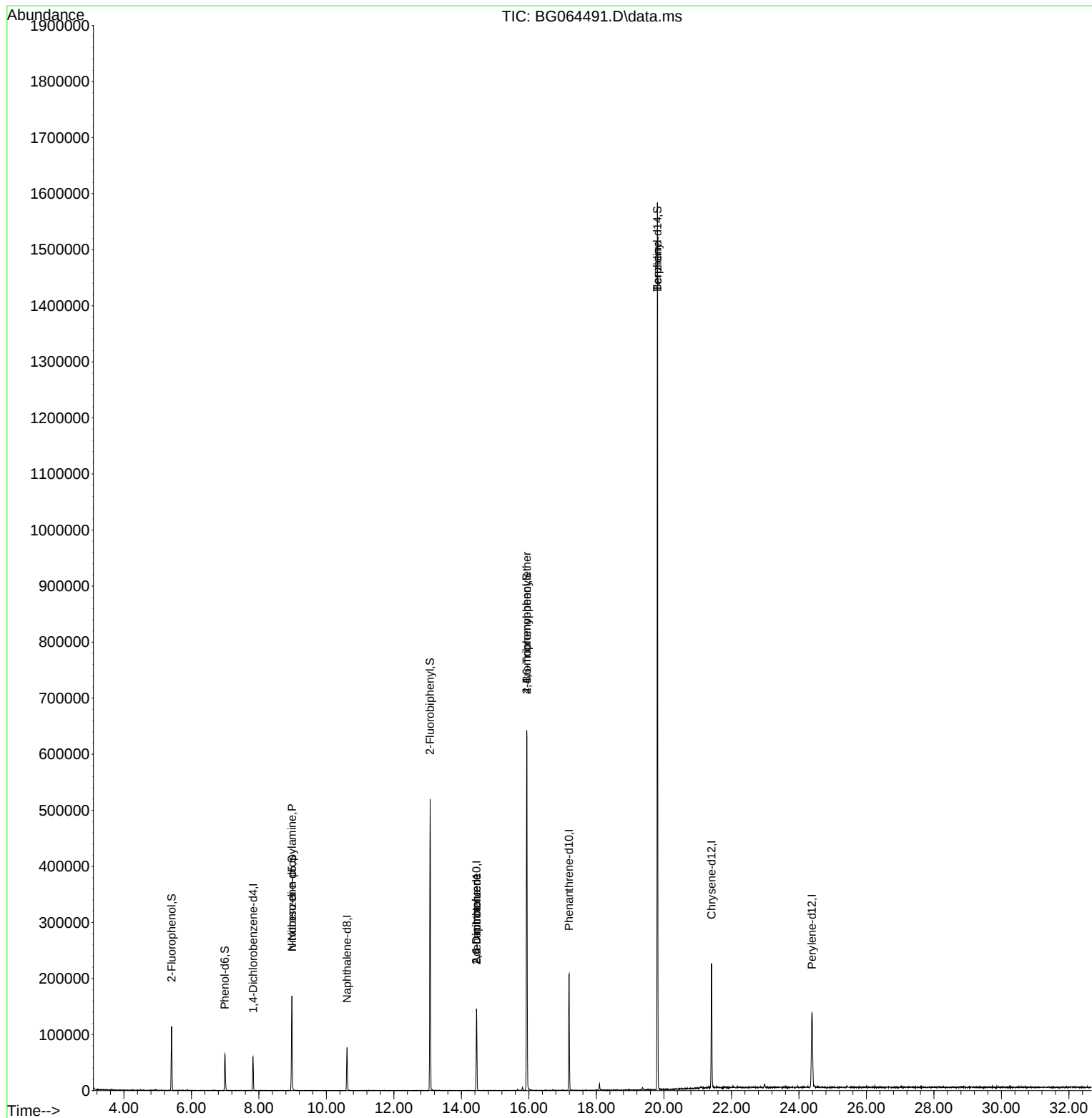
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.826	152	14769	20.000	ng	0.00
21) Naphthalene-d8	10.611	136	62942	20.000	ng	# 0.00
39) Acenaphthene-d10	14.447	164	49465	20.000	ng	0.00
64) Phenanthrene-d10	17.185	188	123783	20.000	ng	# 0.00
76) Chrysene-d12	21.410	240	133977	20.000	ng	0.00
86) Perylene-d12	24.383	264	141843	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.411	112	42580	53.356	ng	0.00
7) Phenol-d6	6.991	99	31420	29.298	ng	0.00
23) Nitrobenzene-d5	8.977	82	88968	76.003	ng	0.01
42) 2,4,6-Tribromophenol	15.940	330	129213	144.111	ng	0.00
45) 2-Fluorobiphenyl	13.072	172	253941	75.672	ng	0.00
79) Terphenyl-d14	19.806	244	711442	100.495	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.977	70	13801	19.242	ng	# 72
51) 2,6-Dinitrotoluene	14.447	165	6748	8.362	ng	# 14
57) 2,4-Dinitrotoluene	14.447	165	6748	5.470	ng	# 23
67) 4-Bromophenyl-phenylether	15.940	248	9161	6.289	ng	# 1
77) Benzidine	19.806	184	14760	4.427	ng	97

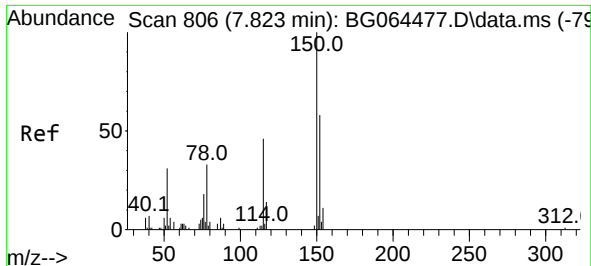
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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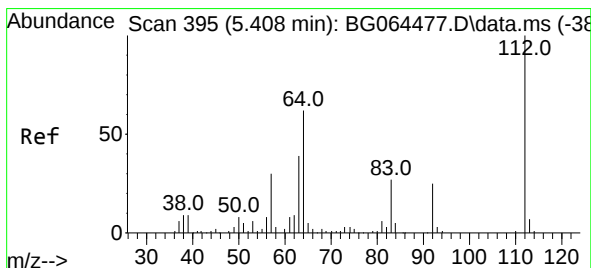
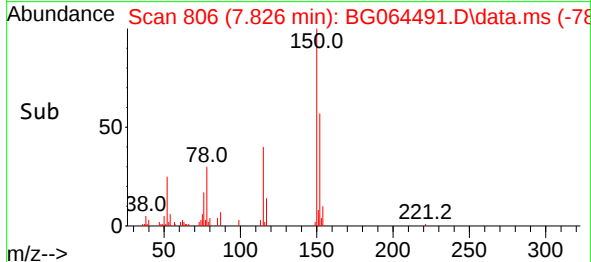
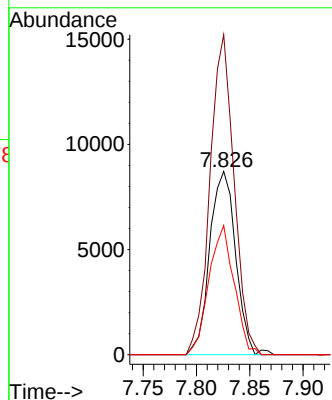
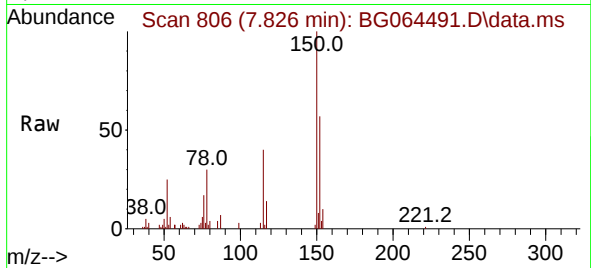




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.826 min Scan# 806
Delta R.T. 0.006 min
Lab File: BG064491.D
Acq: 3 Oct 2025 17:38

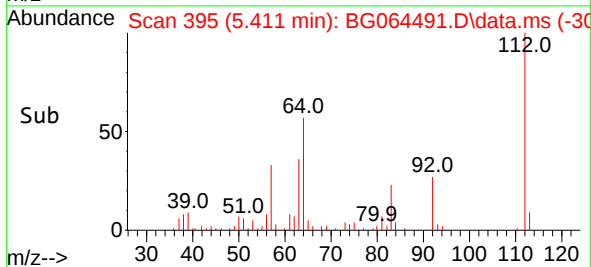
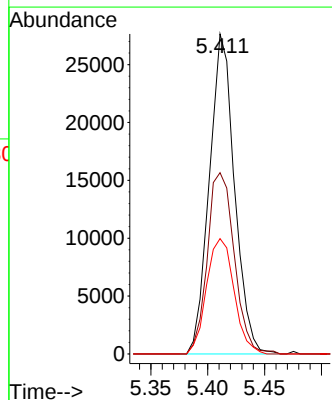
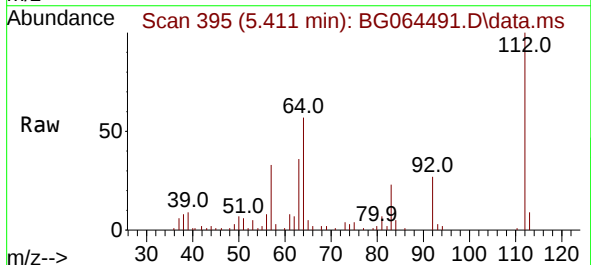
Instrument :
BNA_G
ClientSampleId :
251818

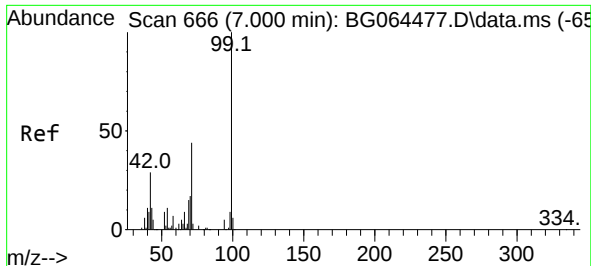
Tgt Ion:152 Resp: 14769
Ion Ratio Lower Upper
152 100
150 174.7 138.6 207.8
115 70.5 63.4 95.2



#5
2-Fluorophenol
Concen: 53.356 ng
RT: 5.411 min Scan# 395
Delta R.T. 0.005 min
Lab File: BG064491.D
Acq: 3 Oct 2025 17:38

Tgt Ion:112 Resp: 42580
Ion Ratio Lower Upper
112 100
64 56.7 49.8 74.8
63 36.1 31.3 46.9

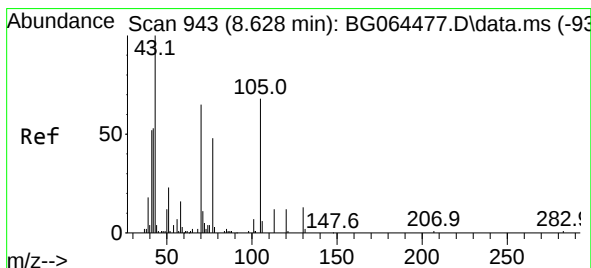
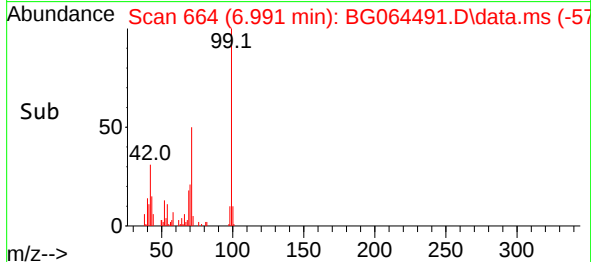
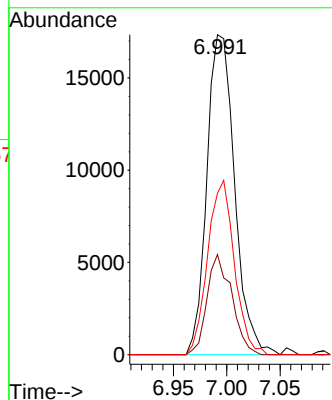
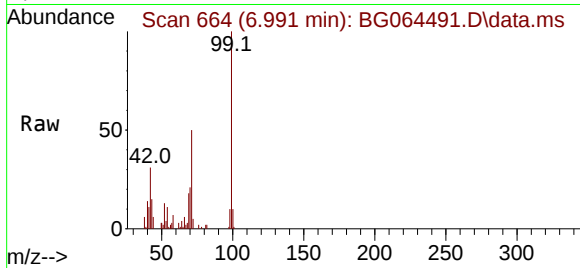




#7
Phenol-d6
Concen: 29.298 ng
RT: 6.991 min Scan# 60
Delta R.T. 0.005 min
Lab File: BG064491.D
Acq: 3 Oct 2025 17:38

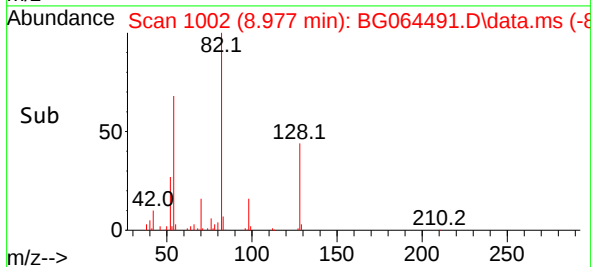
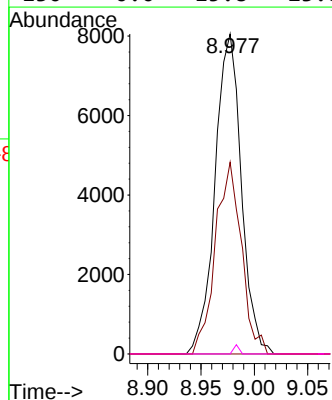
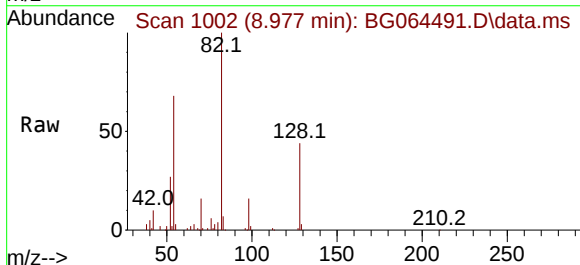
Instrument :
BNA_G
ClientSampleId :
251818

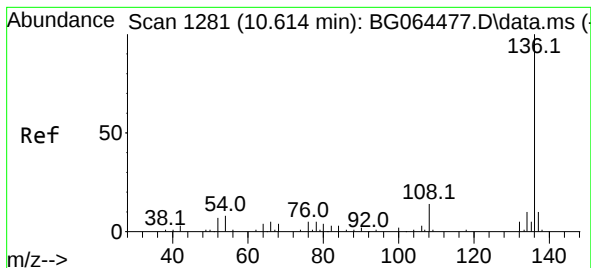
Tgt Ion: 99 Resp: 31420
Ion Ratio Lower Upper
99 100
42 31.3 22.9 34.3
71 50.5 35.4 53.2



#19
n-Nitroso-di-n-propylamine
Concen: 19.242 ng
RT: 8.977 min Scan# 1002
Delta R.T. 0.364 min
Lab File: BG064491.D
Acq: 3 Oct 2025 17:38

Tgt Ion: 70 Resp: 13801
Ion Ratio Lower Upper
70 100
42 59.9 64.9 97.3#
101 0.0 8.7 13.1#
130 0.0 15.8 23.8#

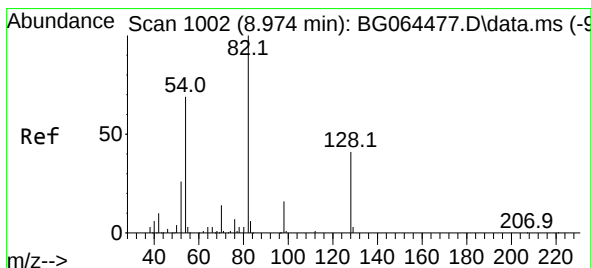
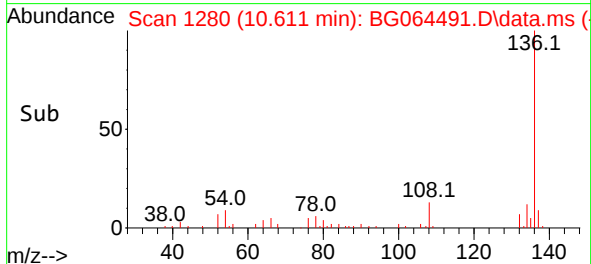
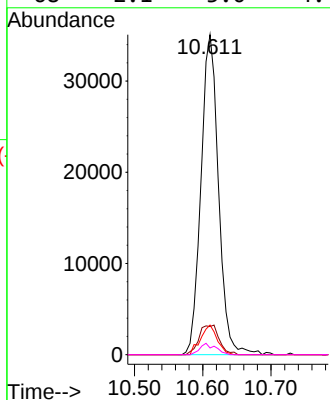
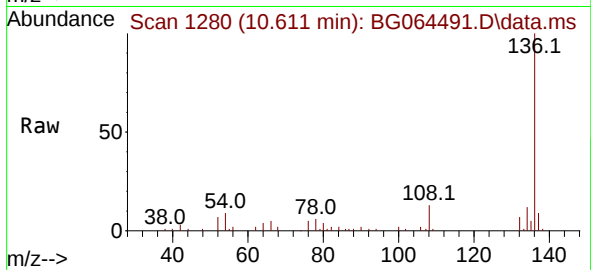




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.611 min Scan# 11
Delta R.T. 0.005 min
Lab File: BG064491.D
Acq: 3 Oct 2025 17:38

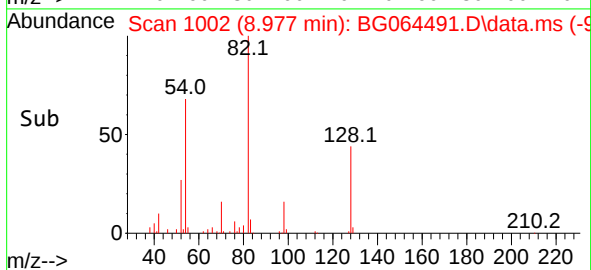
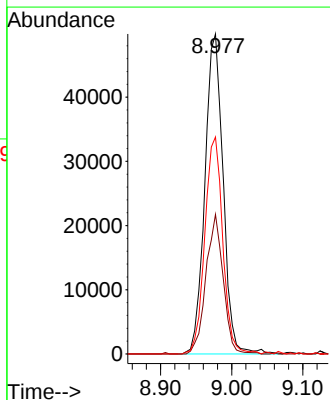
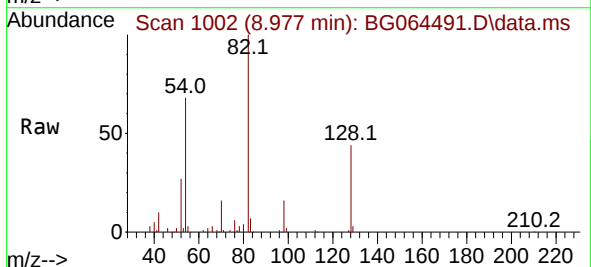
Instrument :
BNA_G
ClientSampleId :
251818

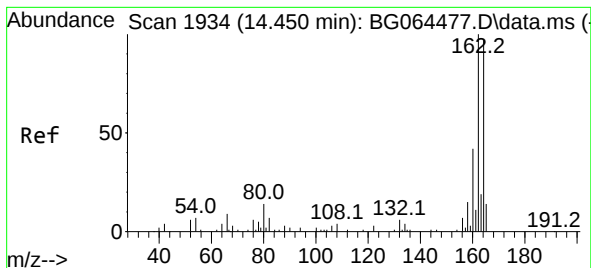
Tgt Ion:136 Resp: 62942
Ion Ratio Lower Upper
136 100
137 8.8 8.3 12.5
54 9.2 6.2 9.4
68 2.1 3.0 4.4#



#23
Nitrobenzene-d5
Concen: 76.003 ng
RT: 8.977 min Scan# 1002
Delta R.T. 0.011 min
Lab File: BG064491.D
Acq: 3 Oct 2025 17:38

Tgt Ion: 82 Resp: 88968
Ion Ratio Lower Upper
82 100
128 43.6 33.1 49.7
54 67.8 55.4 83.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.447 min Scan# 1933

Delta R.T. -0.001 min

Lab File: BG064491.D

Acq: 3 Oct 2025 17:38

Instrument :

BNA_G

ClientSampleId :

251818

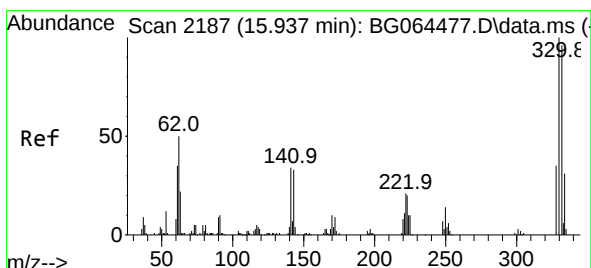
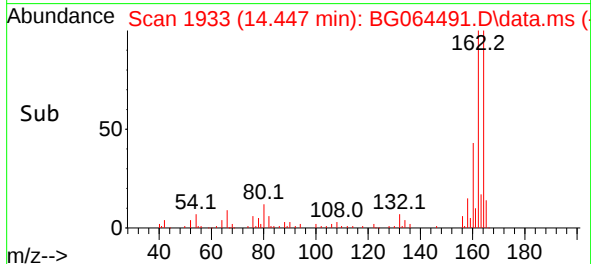
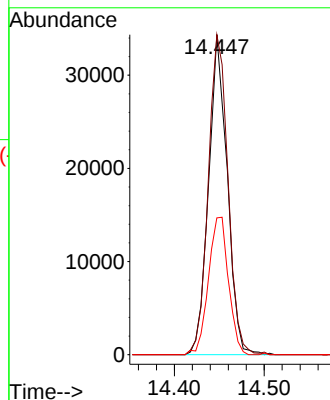
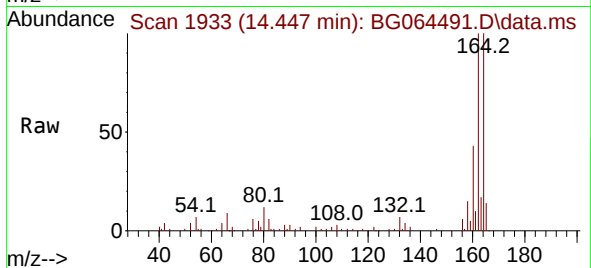
Tgt Ion:164 Resp: 49465

Ion Ratio Lower Upper

164 100

162 100.0 82.2 123.2

160 42.7 34.3 51.5



#42

2,4,6-Tribromophenol

Concen: 144.111 ng

RT: 15.940 min Scan# 2187

Delta R.T. 0.005 min

Lab File: BG064491.D

Acq: 3 Oct 2025 17:38

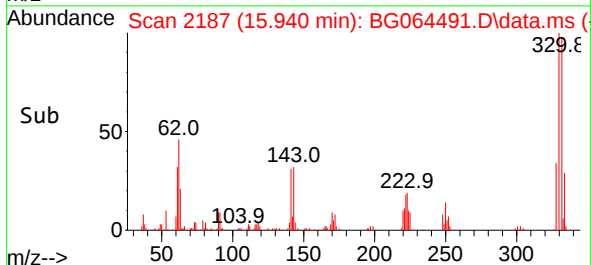
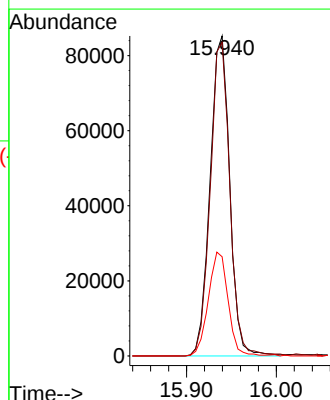
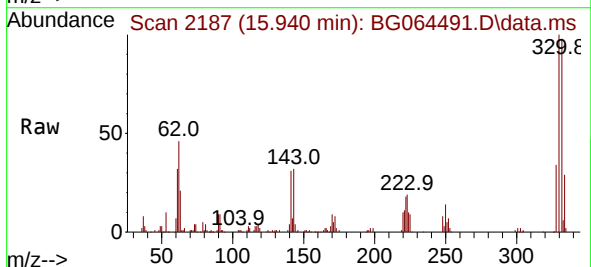
Tgt Ion:330 Resp: 129213

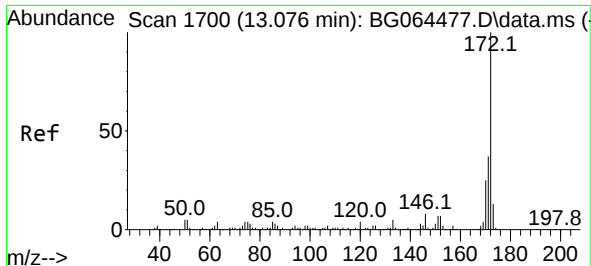
Ion Ratio Lower Upper

330 100

332 97.7 77.4 116.0

141 32.6 25.8 38.6

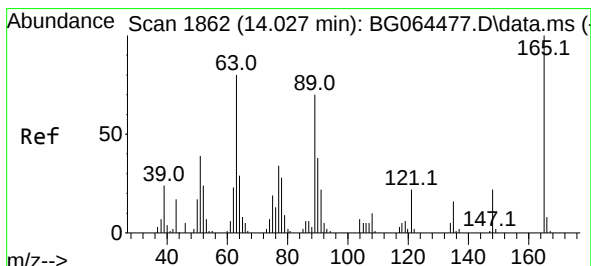
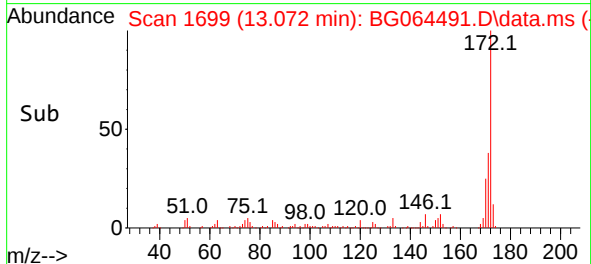
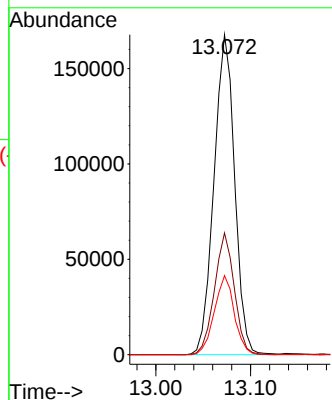
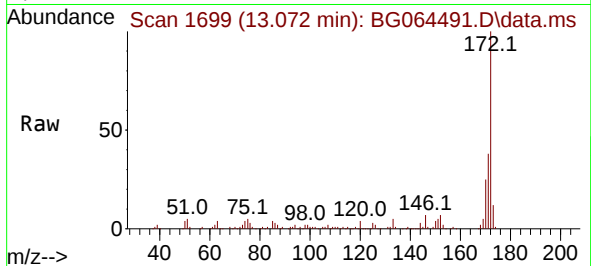




#45
2-Fluorobiphenyl
Concen: 75.672 ng
RT: 13.072 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG064491.D
Acq: 3 Oct 2025 17:38

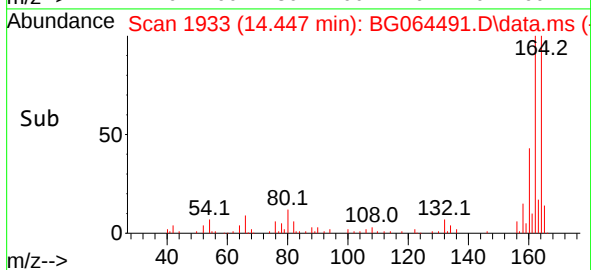
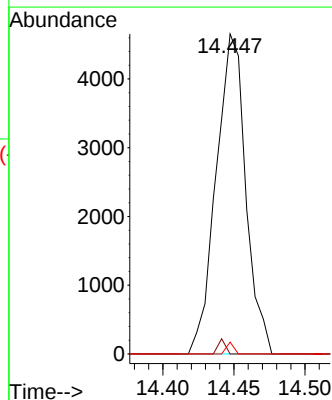
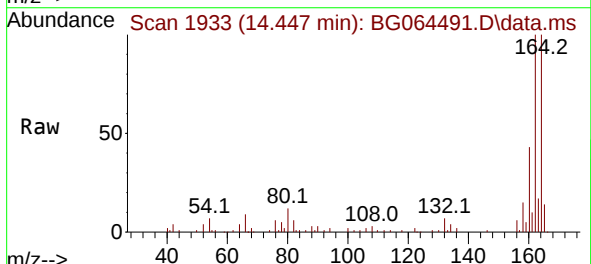
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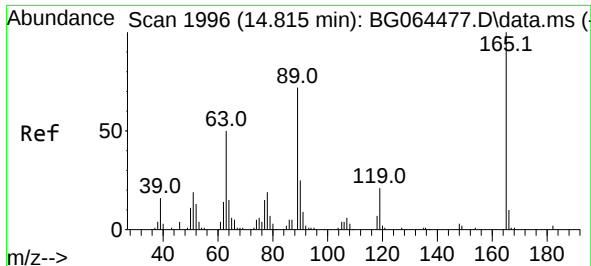
Tgt Ion:172 Resp: 253941
Ion Ratio Lower Upper
172 100
171 38.1 29.6 44.4
170 24.7 20.2 30.2



#51
2,6-Dinitrotoluene
Concen: 8.362 ng
RT: 14.447 min Scan# 1933
Delta R.T. 0.428 min
Lab File: BG064491.D
Acq: 3 Oct 2025 17:38

Tgt Ion:165 Resp: 6748
Ion Ratio Lower Upper
165 100
63 0.0 63.9 95.9#
89 3.7 56.1 84.1#

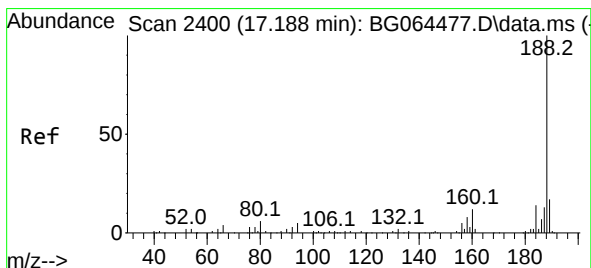
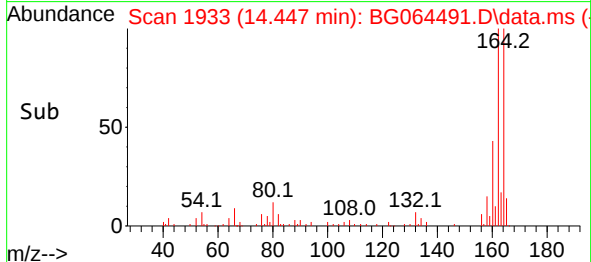
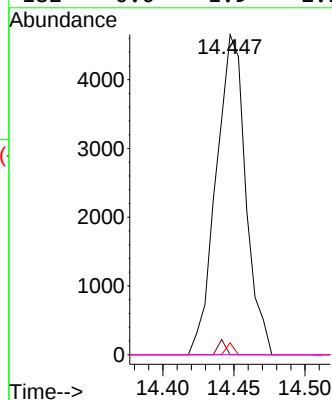
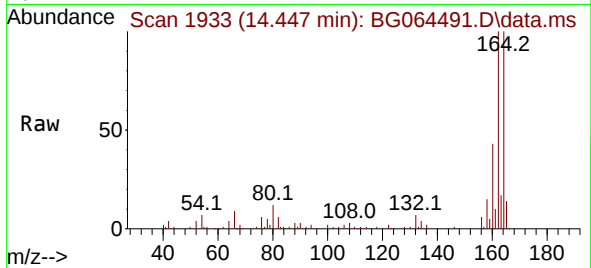




#57
2,4-Dinitrotoluene
Concen: 5.470 ng
RT: 14.447 min Scan# 1996
Delta R.T. -0.365 min
Lab File: BG064491.D
Acq: 3 Oct 2025 17:38

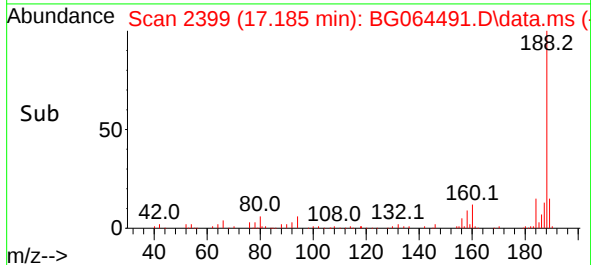
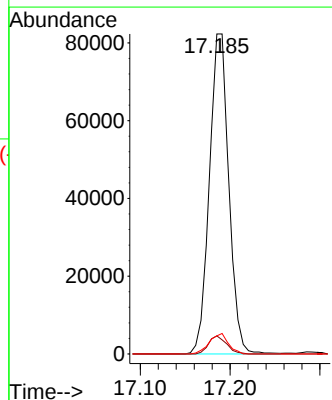
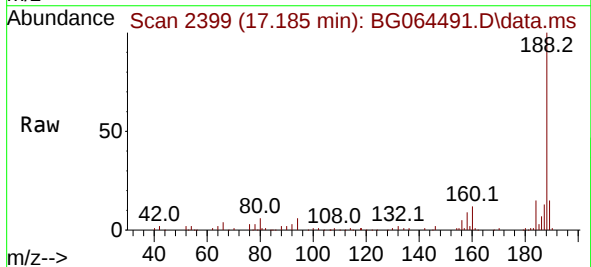
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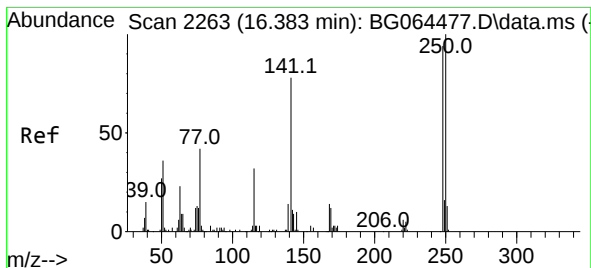
Tgt Ion:165 Resp: 6748
Ion Ratio Lower Upper
165 100
63 0.0 40.4 60.6#
89 3.7 57.3 85.9#
182 0.0 1.9 2.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.185 min Scan# 2399
Delta R.T. -0.001 min
Lab File: BG064491.D
Acq: 3 Oct 2025 17:38

Tgt Ion:188 Resp: 123783
Ion Ratio Lower Upper
188 100
94 5.7 3.7 5.5#
80 6.4 4.5 6.7

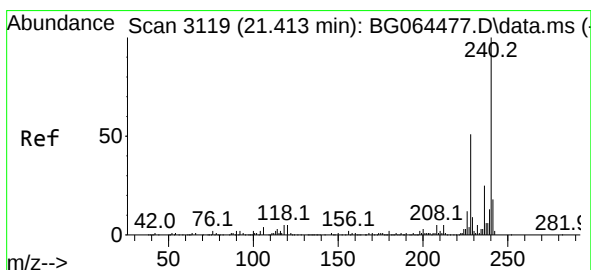
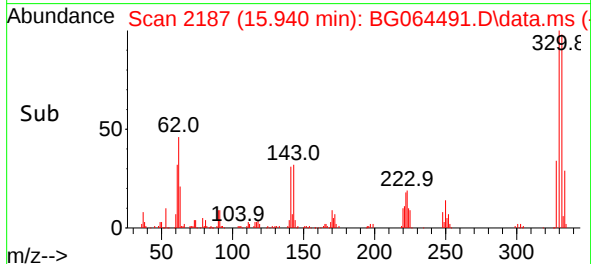
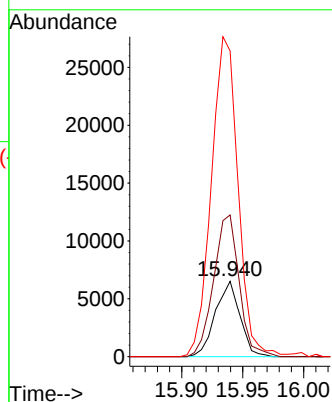
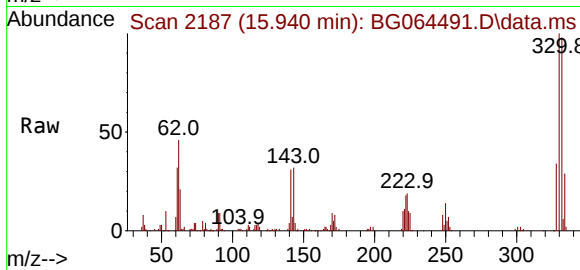




#67
4-Bromophenyl-phenylether
Concen: 6.289 ng
RT: 15.940 min Scan# 2187
Delta R.T. -0.441 min
Lab File: BG064491.D
Acq: 3 Oct 2025 17:38

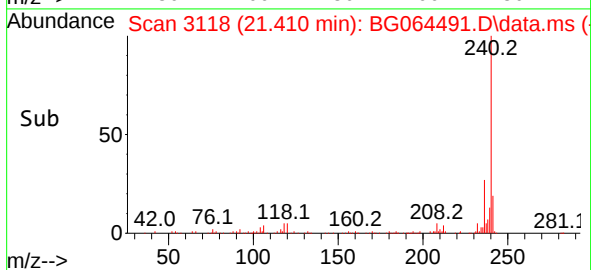
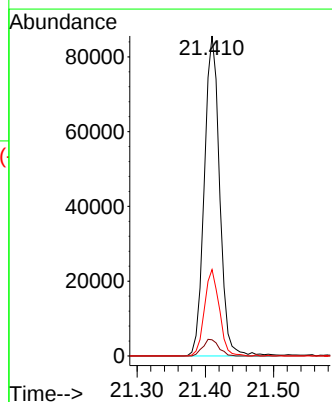
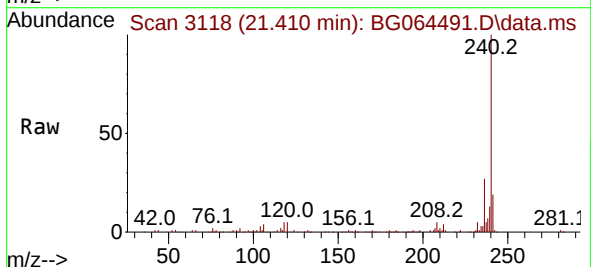
Instrument :
BNA_G
ClientSampleId :
251818

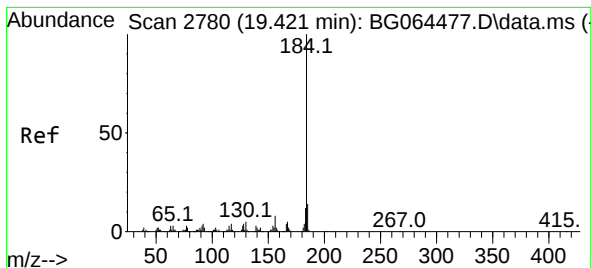
Tgt Ion:248 Resp: 9161
Ion Ratio Lower Upper
248 100
250 188.0 85.3 127.9#
141 405.4 66.2 99.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.410 min Scan# 3118
Delta R.T. -0.000 min
Lab File: BG064491.D
Acq: 3 Oct 2025 17:38

Tgt Ion:240 Resp: 133977
Ion Ratio Lower Upper
240 100
120 5.0 4.3 6.5
236 27.0 20.4 30.6





#77

Benzidine

Concen: 4.427 ng

RT: 19.806 min Scan# 21

Delta R.T. 0.381 min

Lab File: BG064491.D

Acq: 3 Oct 2025 17:38

Instrument :

BNA_G

ClientSampleId :

251818

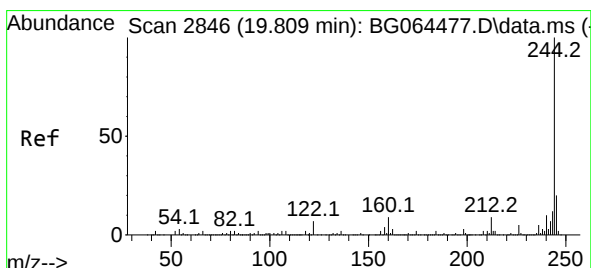
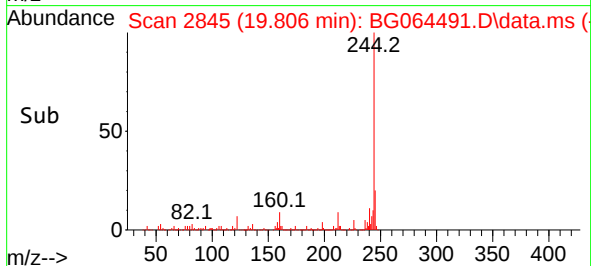
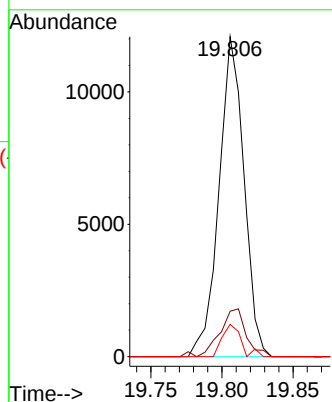
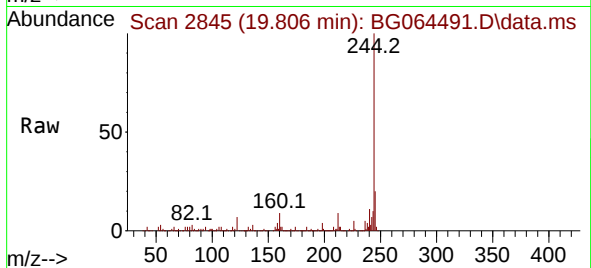
Tgt Ion:184 Resp: 14760

Ion Ratio Lower Upper

184 100

185 14.2 10.9 16.3

183 10.1 9.8 14.6



#79

Terphenyl-d14

Concen: 100.495 ng

RT: 19.806 min Scan# 2845

Delta R.T. -0.001 min

Lab File: BG064491.D

Acq: 3 Oct 2025 17:38

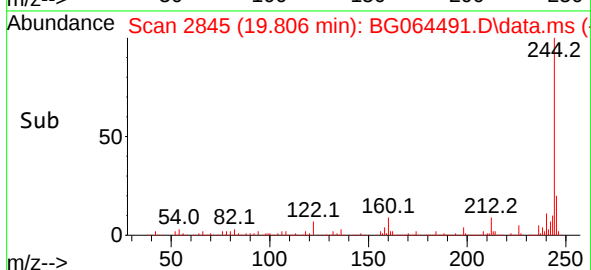
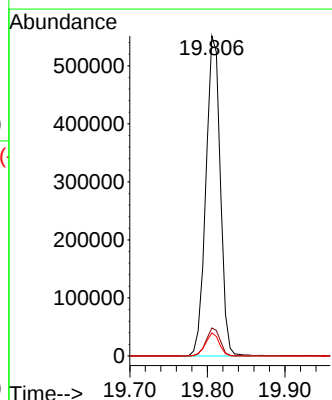
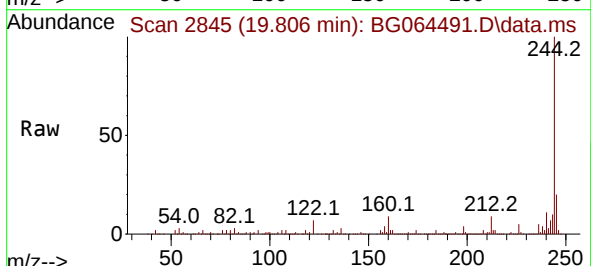
Tgt Ion:244 Resp: 711442

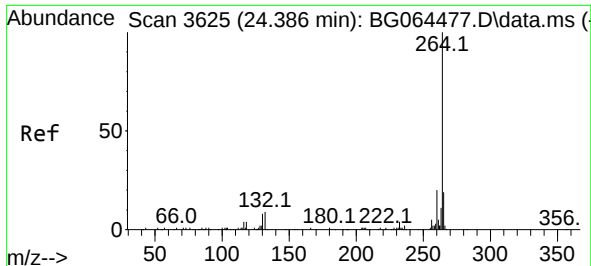
Ion Ratio Lower Upper

244 100

212 8.8 7.0 10.6

122 7.2 5.6 8.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.383 min Scan# 30

Delta R.T. -0.007 min

Lab File: BG064491.D

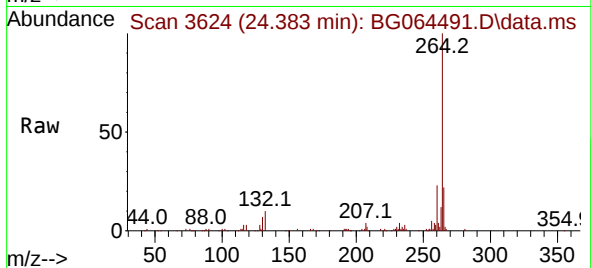
Acq: 3 Oct 2025 17:38

Instrument :

BNA_G

ClientSampleId :

251818



Tgt Ion:264 Resp: 141843

Ion Ratio Lower Upper

264 100

260 22.7 16.2 24.4

265 21.5 15.0 22.4

