

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120925\
 Data File : BG064906.D
 Acq On : 9 Dec 2025 15:39
 Operator : RC/JU
 Sample : Q3800-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ETGI-288

Quant Time: Dec 09 16:22:07 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)

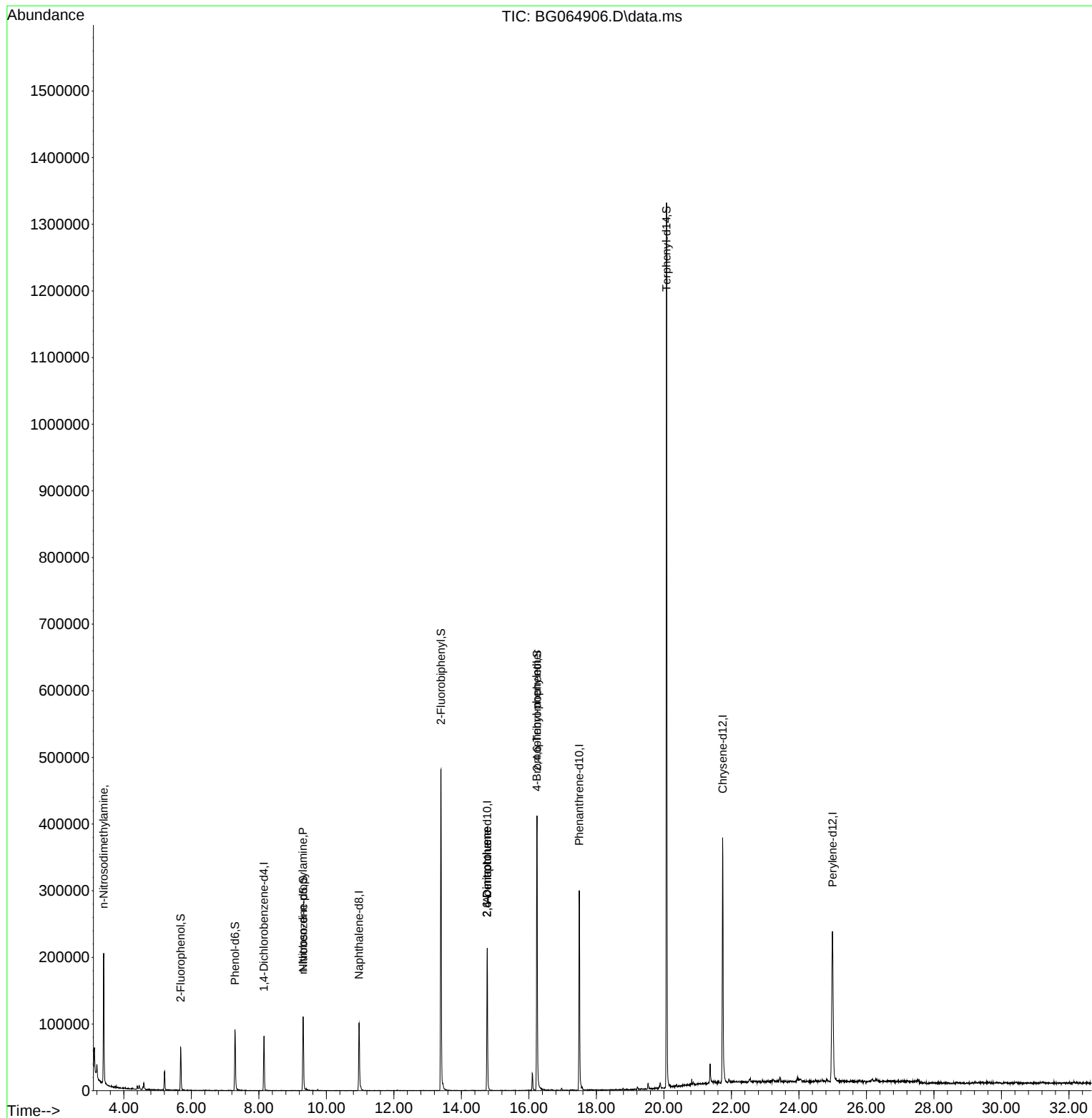
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.150	152	25289	20.000	ng	-0.02
21) Naphthalene-d8	10.964	136	100169	20.000	ng	#-0.02
39) Acenaphthene-d10	14.765	164	91375	20.000	ng	-0.01
64) Phenanthrene-d10	17.492	188	223127	20.000	ng	#-0.01
76) Chrysene-d12	21.740	240	277372	20.000	ng	#-0.02
86) Perylene-d12	24.995	264	311452	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.682	112	27675	19.110	ng	-0.02
7) Phenol-d6	7.292	99	51793	26.889	ng	-0.02
23) Nitrobenzene-d5	9.313	82	69465	34.288	ng	-0.02
42) 2,4,6-Tribromophenol	16.240	330	116879	65.585	ng	-0.01
45) 2-Fluorobiphenyl	13.396	172	297032	45.358	ng	-0.01
79) Terphenyl-d14	20.077	244	804854	57.079	ng	-0.02
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.402	42	16779	19.735	ng	# 5
19) n-Nitroso-di-n-propyla...	9.307	70	9752	7.488	ng	# 65
51) 2,6-Dinitrotoluene	14.760	165	11821	8.511	ng	# 21
57) 2,4-Dinitrotoluene	14.760	165	11821	5.677	ng	# 24
67) 4-Bromophenyl-phenylether	16.234	248	7269	2.481	ng	# 1

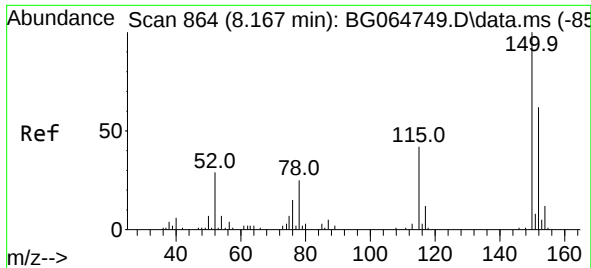
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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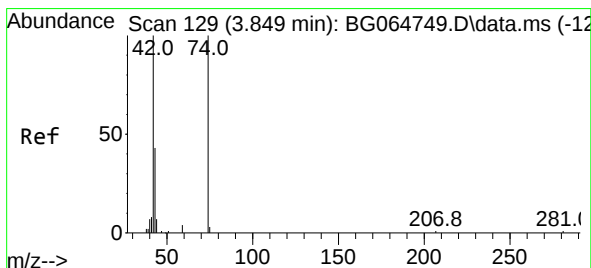
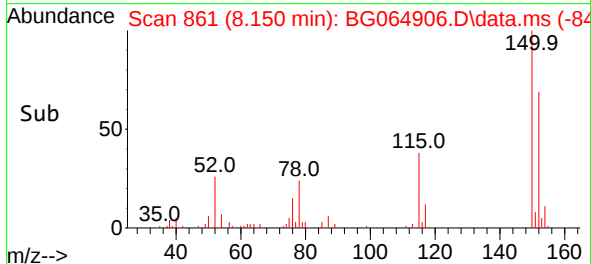
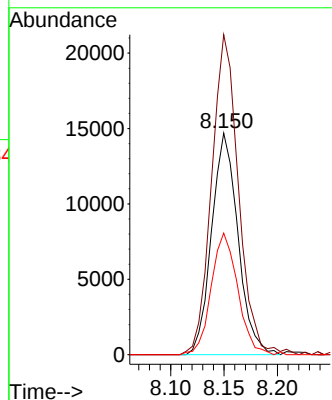
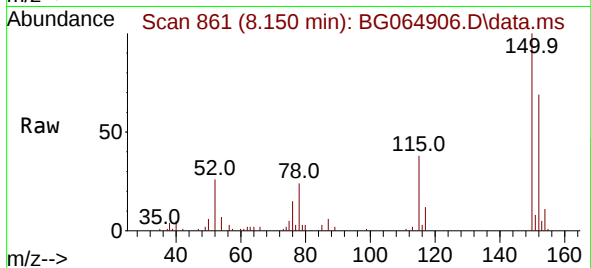




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.150 min Scan# 80
Delta R.T. -0.017 min
Lab File: BG064906.D
Acq: 9 Dec 2025 15:39

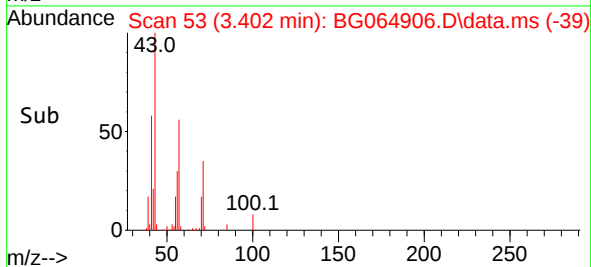
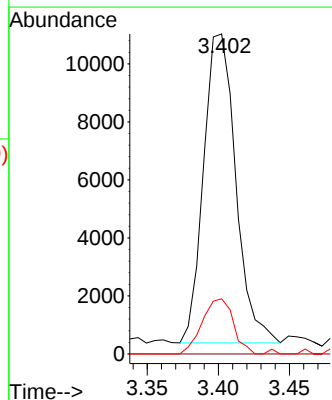
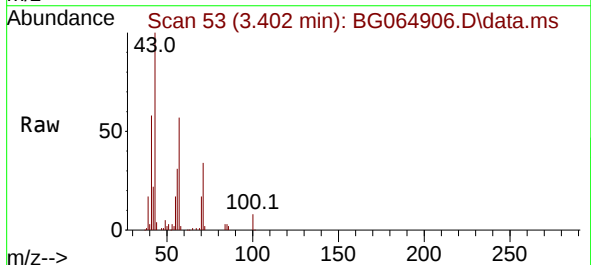
Instrument :
BNA_G
ClientSampleId :
ETGI-288

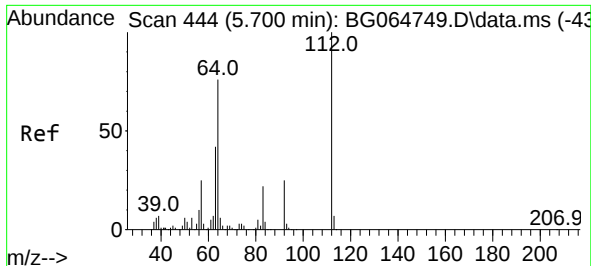
Tgt Ion:152 Resp: 25289
Ion Ratio Lower Upper
152 100
150 144.4 129.2 193.8
115 54.8 53.7 80.5



#4
n-Nitrosodimethylamine
Concen: 19.735 ng
RT: 3.402 min Scan# 53
Delta R.T. -0.446 min
Lab File: BG064906.D
Acq: 9 Dec 2025 15:39

Tgt Ion: 42 Resp: 16779
Ion Ratio Lower Upper
42 100
74 0.0 79.8 119.6#
44 17.3 5.9 8.9#

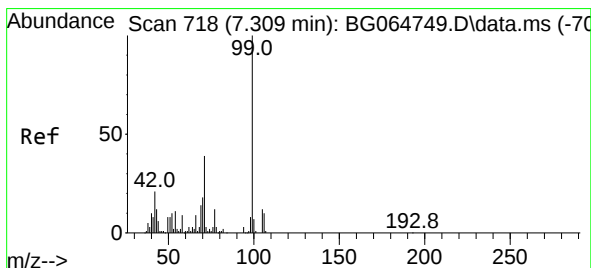
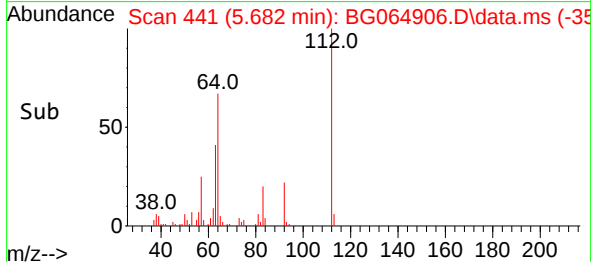
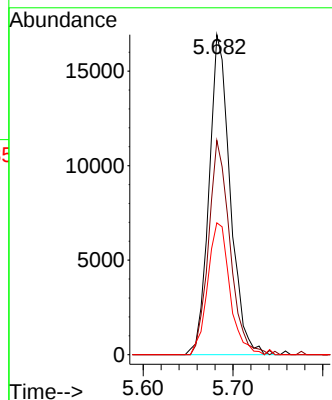
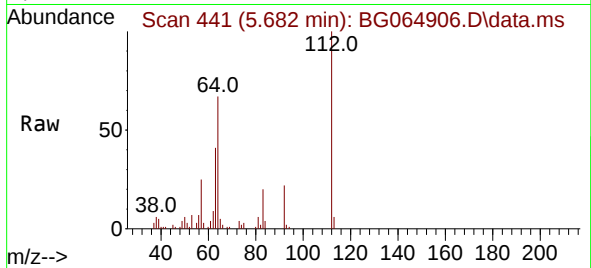




#5
2-Fluorophenol
Concen: 19.110 ng
RT: 5.682 min Scan# 444
Delta R.T. -0.018 min
Lab File: BG064906.D
Acq: 9 Dec 2025 15:39

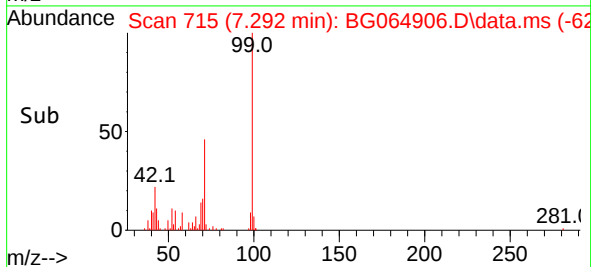
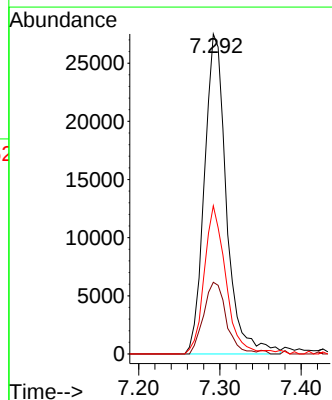
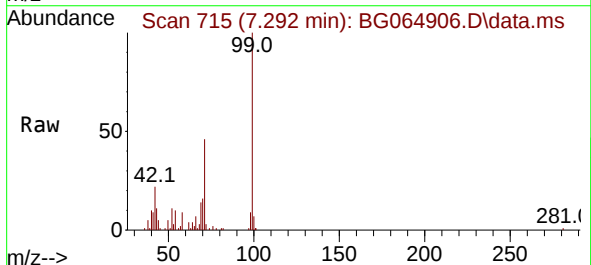
Instrument :
BNA_G
ClientSampleId :
ETGI-288

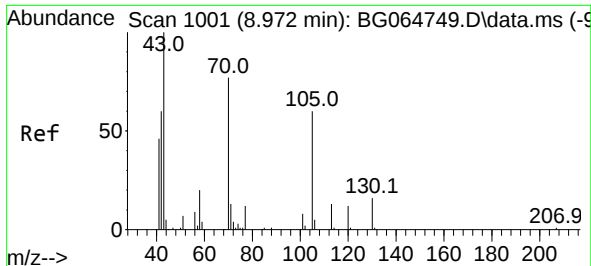
Tgt Ion:	112	Resp:	27675
Ion	Ratio	Lower	Upper
112	100		
64	66.9	61.0	91.4
63	41.2	33.3	49.9



#7
Phenol-d6
Concen: 26.889 ng
RT: 7.292 min Scan# 715
Delta R.T. -0.018 min
Lab File: BG064906.D
Acq: 9 Dec 2025 15:39

Tgt Ion:	99	Resp:	51793
Ion	Ratio	Lower	Upper
99	100		
42	22.4	16.8	25.2
71	46.3	31.1	46.7

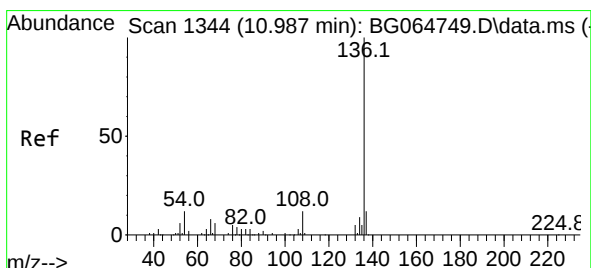
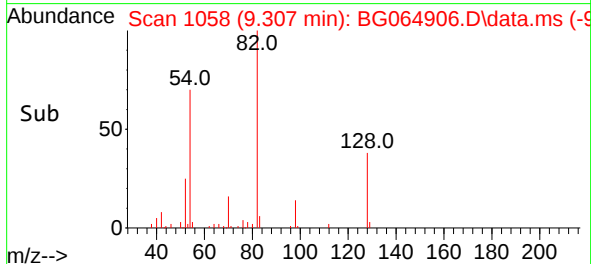
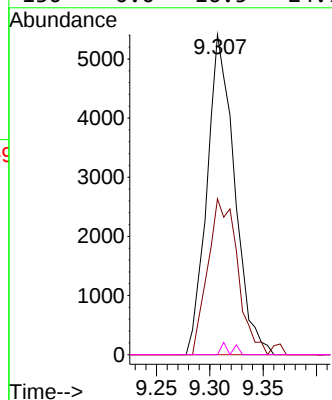
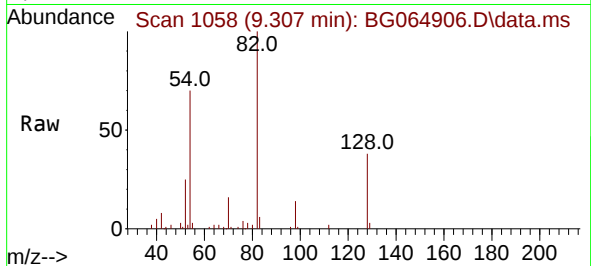




#19
n-Nitroso-di-n-propylamine
Concen: 7.488 ng
RT: 9.307 min Scan# 1058
Delta R.T. 0.335 min
Lab File: BG064906.D
Acq: 9 Dec 2025 15:39

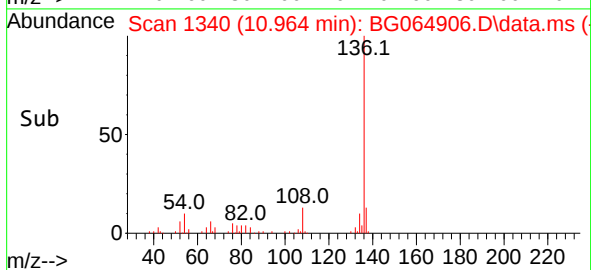
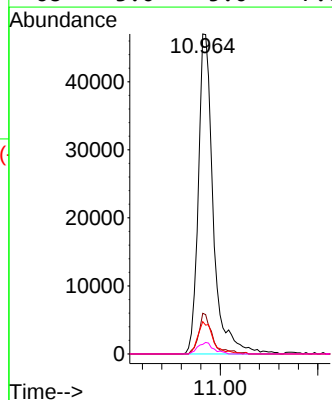
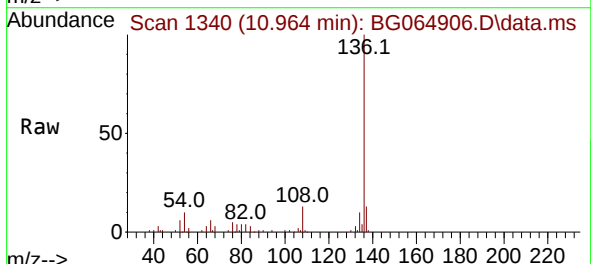
Instrument :
BNA_G
ClientSampleId :
ETGI-288

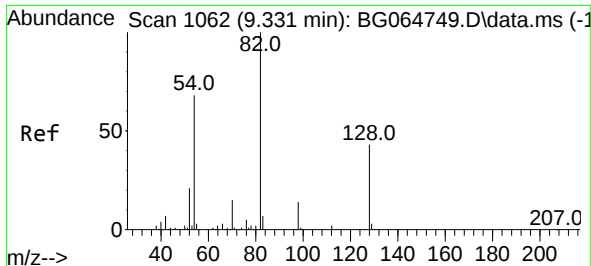
Tgt Ion: 70	Resp: 9752
Ion Ratio	Lower Upper
70 100	
42 48.7	62.6 93.8#
101 0.0	8.0 12.0#
130 0.0	16.5 24.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.964 min Scan# 1340
Delta R.T. -0.023 min
Lab File: BG064906.D
Acq: 9 Dec 2025 15:39

Tgt	Ion:136	Resp:	100169
Ion	Ratio	Lower	Upper
136	100		
137	12.7	9.3	13.9
54	10.1	9.3	13.9
68	3.0	5.0	7.6#





#23

Nitrobenzene-d5

Concen: 34.288 ng

RT: 9.313 min Scan# 1062

Delta R.T. -0.018 min

Lab File: BG064906.D

Acq: 9 Dec 2025 15:39

Instrument :

BNA_G

ClientSampleId :

ETGI-288

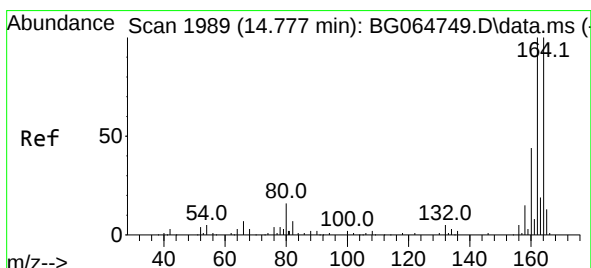
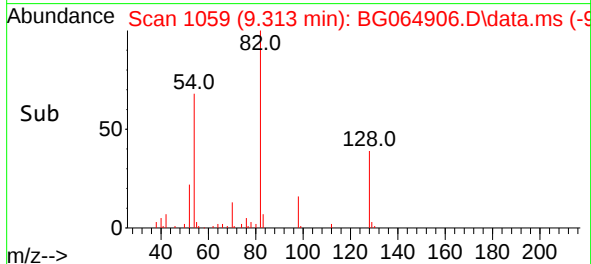
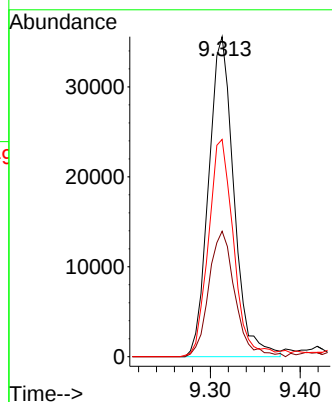
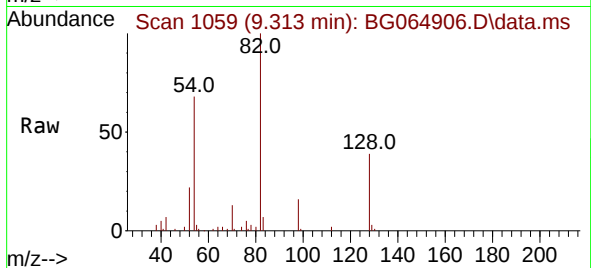
Tgt Ion: 82 Resp: 69465

Ion Ratio Lower Upper

82 100

128 39.2 34.1 51.1

54 67.9 54.3 81.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.765 min Scan# 1987

Delta R.T. -0.012 min

Lab File: BG064906.D

Acq: 9 Dec 2025 15:39

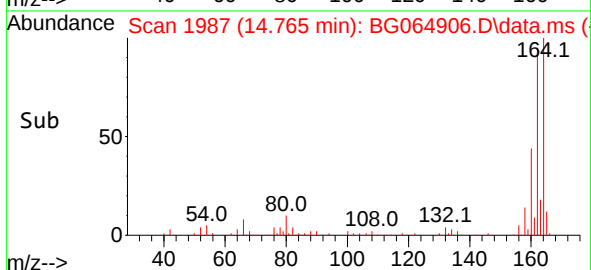
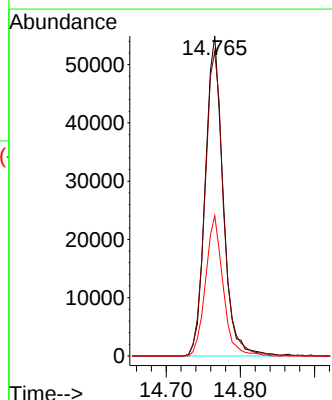
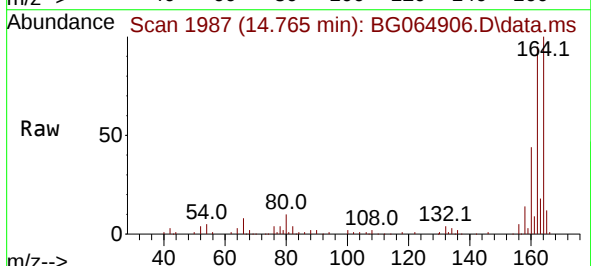
Tgt Ion:164 Resp: 91375

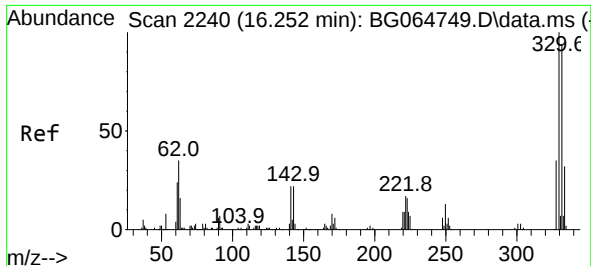
Ion Ratio Lower Upper

164 100

162 95.1 79.8 119.6

160 43.8 34.9 52.3

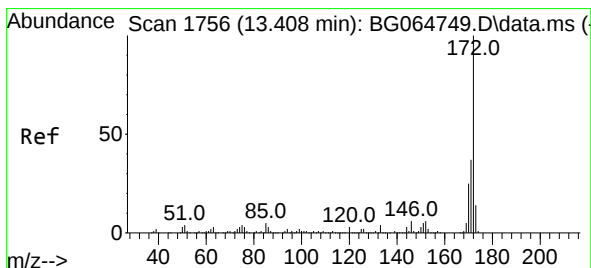
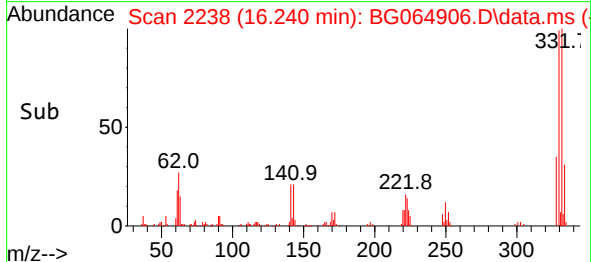
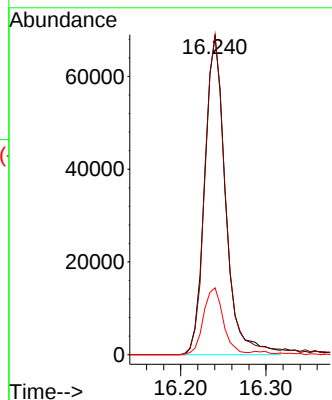
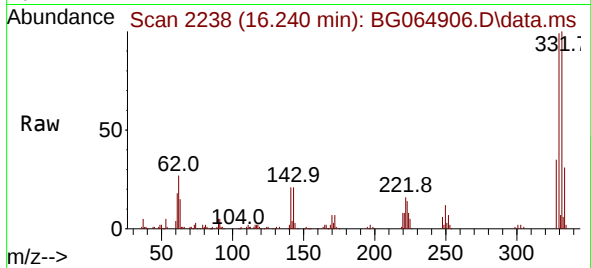




#42
2,4,6-Tribromophenol
Concen: 65.585 ng
RT: 16.240 min Scan# 21
Delta R.T. -0.012 min
Lab File: BG064906.D
Acq: 9 Dec 2025 15:39

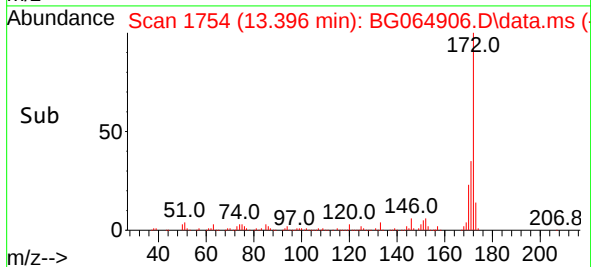
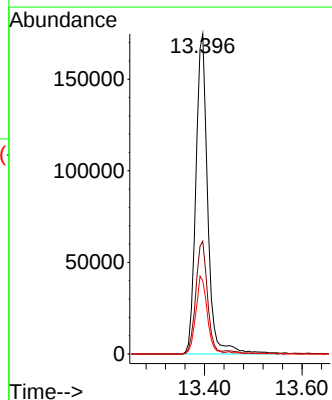
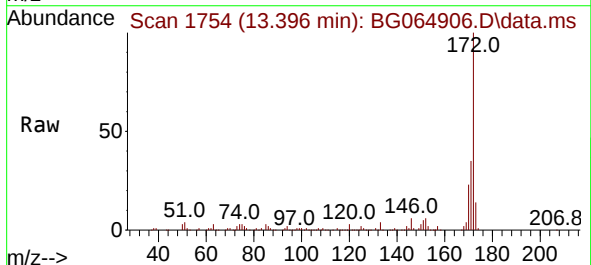
Instrument :
BNA_G
ClientSampleId :
ETGI-288

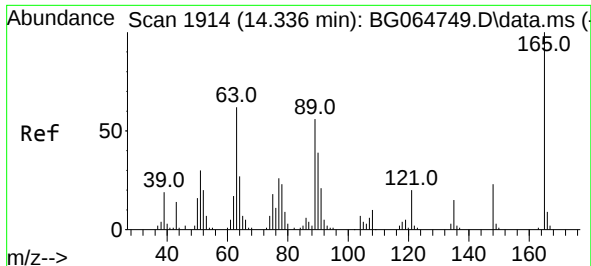
Tgt Ion:330 Resp: 116879
Ion Ratio Lower Upper
330 100
332 100.9 77.0 115.6
141 20.1 18.2 27.2



#45
2-Fluorobiphenyl
Concen: 45.358 ng
RT: 13.396 min Scan# 1754
Delta R.T. -0.012 min
Lab File: BG064906.D
Acq: 9 Dec 2025 15:39

Tgt Ion:172 Resp: 297032
Ion Ratio Lower Upper
172 100
171 35.2 29.9 44.9
170 22.9 19.8 29.6

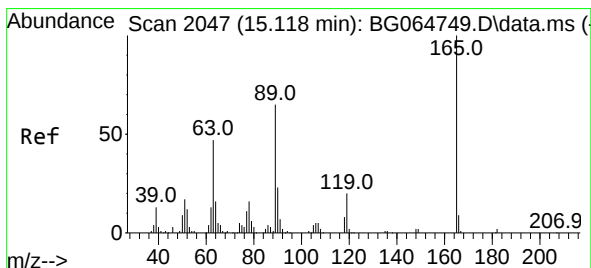
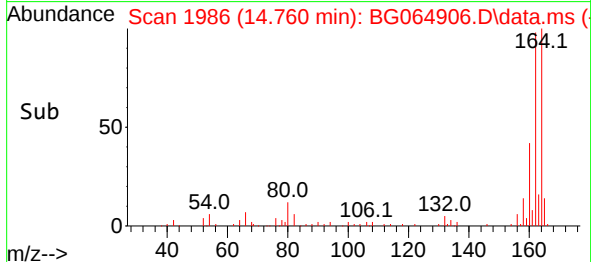
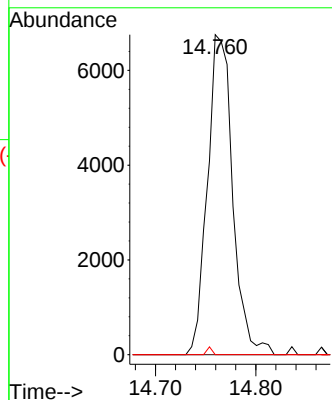
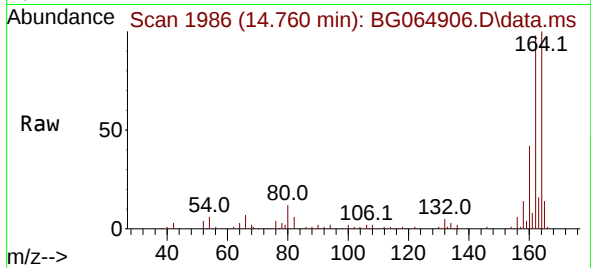




#51
2,6-Dinitrotoluene
Concen: 8.511 ng
RT: 14.760 min Scan# 1914
Delta R.T. 0.423 min
Lab File: BG064906.D
Acq: 9 Dec 2025 15:39

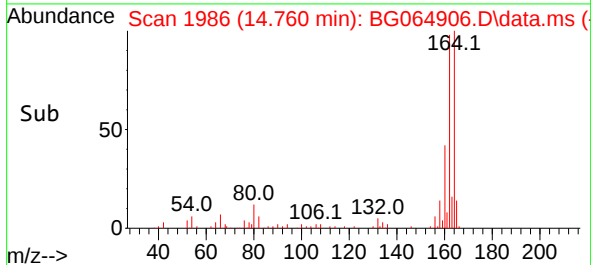
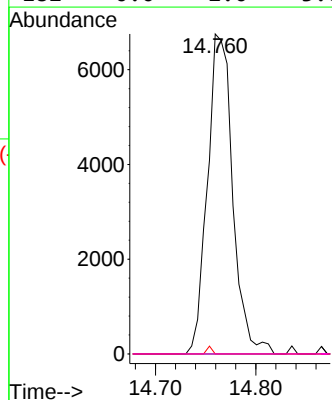
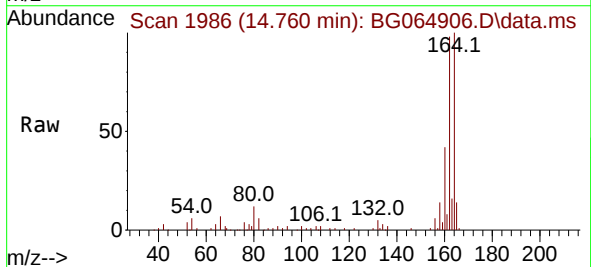
Instrument :
BNA_G
ClientSampleId :
ETGI-288

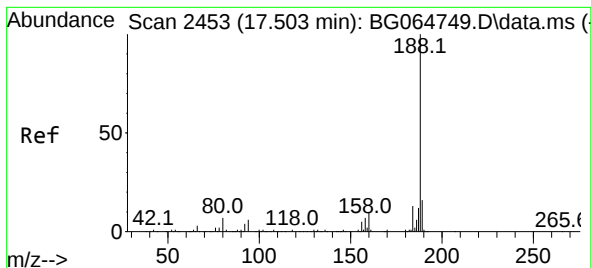
Tgt Ion:165 Resp: 11821
Ion Ratio Lower Upper
165 100
63 0.0 49.8 74.8#
89 0.0 45.0 67.4#



#57
2,4-Dinitrotoluene
Concen: 5.677 ng
RT: 14.760 min Scan# 1986
Delta R.T. -0.358 min
Lab File: BG064906.D
Acq: 9 Dec 2025 15:39

Tgt Ion:165 Resp: 11821
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: 17.492 min Scan# 2453

Delta R.T. -0.012 min

Lab File: BG064906.D

Acq: 9 Dec 2025 15:39

Instrument :

BNA_G

ClientSampleId :

ETGI-288

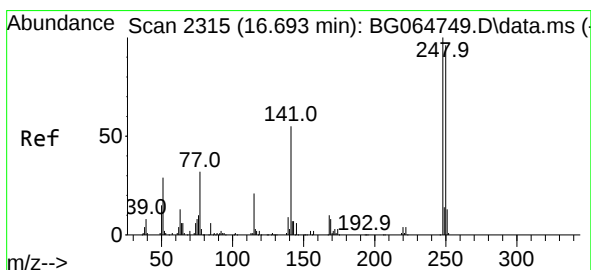
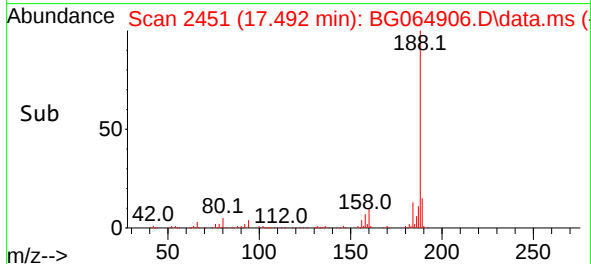
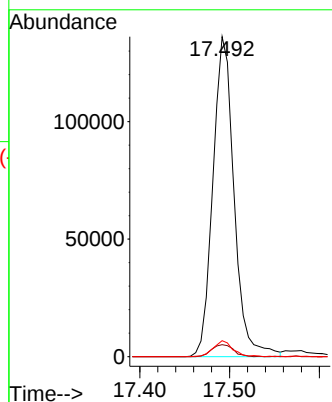
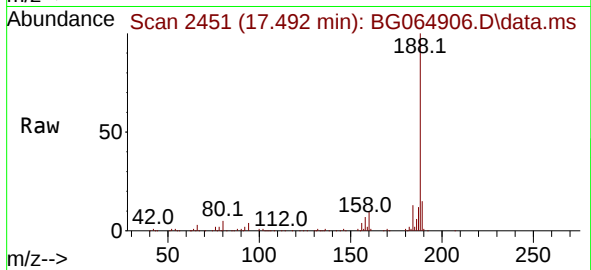
Tgt Ion:188 Resp: 223127

Ion Ratio Lower Upper

188 100

94 3.7 4.7 7.1#

80 5.0 5.4 8.2#



#67

4-Bromophenyl-phenylether

Concen: 2.481 ng

RT: 16.234 min Scan# 2237

Delta R.T. -0.458 min

Lab File: BG064906.D

Acq: 9 Dec 2025 15:39

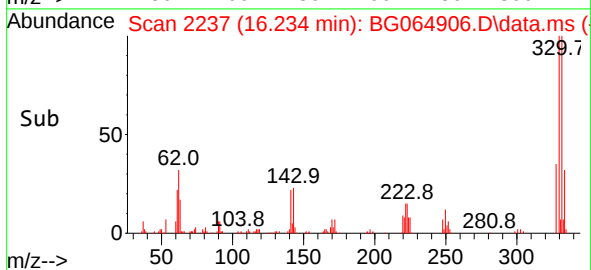
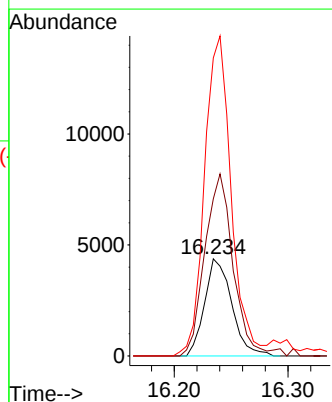
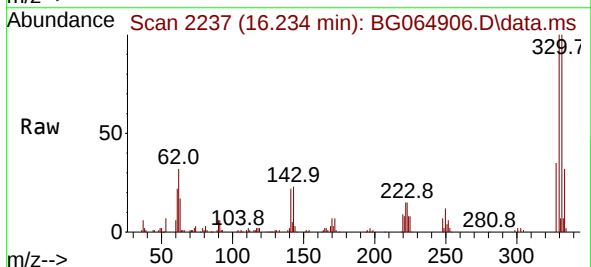
Tgt Ion:248 Resp: 7269

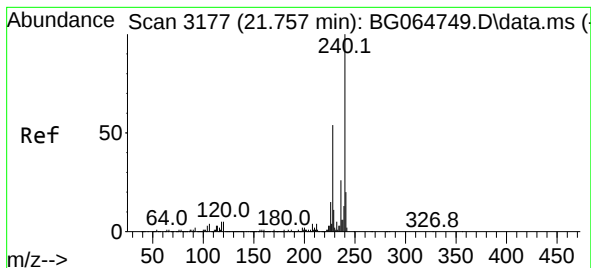
Ion Ratio Lower Upper

248 100

250 124.0 77.0 115.6#

141 235.3 43.7 65.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.740 min Scan# 3177

Delta R.T. -0.018 min

Lab File: BG064906.D

Acq: 9 Dec 2025 15:39

Instrument :

BNA_G

ClientSampleId :

ETGI-288

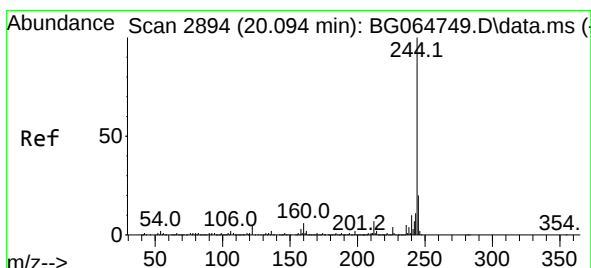
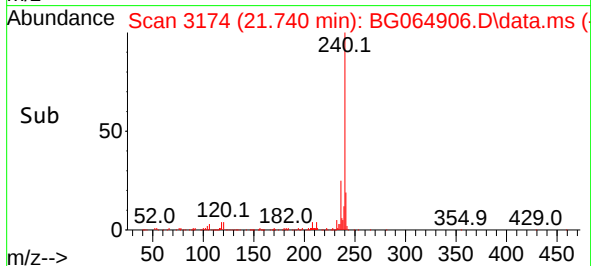
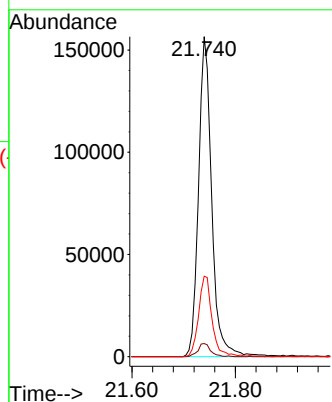
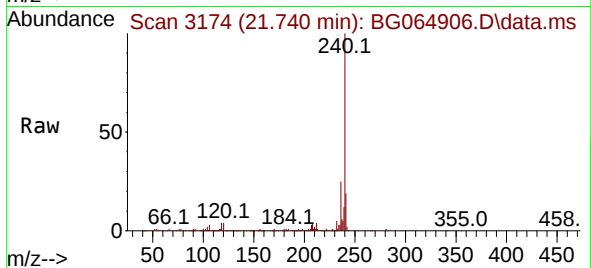
Tgt Ion:240 Resp: 277372

Ion Ratio Lower Upper

240 100

120 4.1 4.2 6.4#

236 25.1 20.8 31.2



#79

Terphenyl-d14

Concen: 57.079 ng

RT: 20.077 min Scan# 2891

Delta R.T. -0.018 min

Lab File: BG064906.D

Acq: 9 Dec 2025 15:39

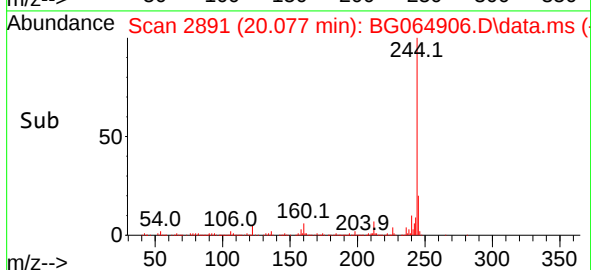
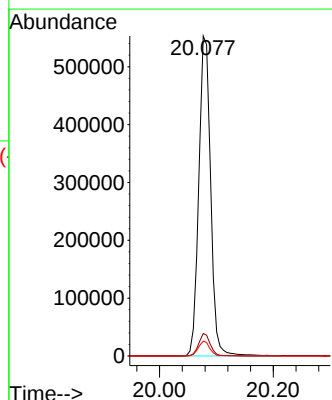
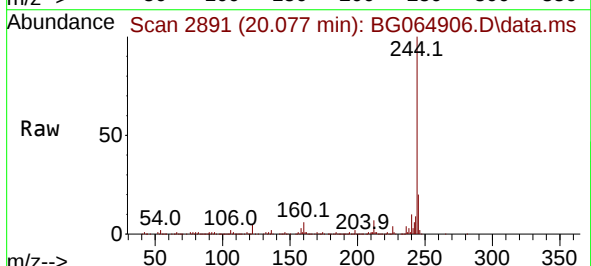
Tgt Ion:244 Resp: 804854

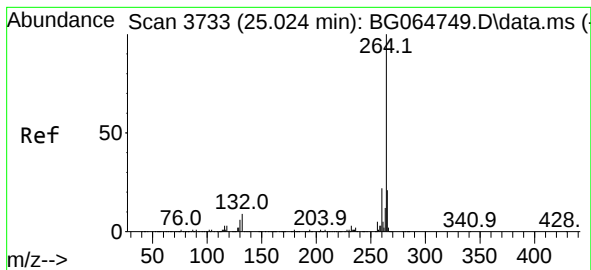
Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

122 4.6 4.3 6.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.995 min Scan# 31
 Delta R.T. -0.029 min
 Lab File: BG064906.D
 Acq: 9 Dec 2025 15:39

Instrument :
 BNA_G
 ClientSampleId :
 ETGI-288

Tgt Ion:264 Resp: 311452
 Ion Ratio Lower Upper
 264 100
 260 23.8 17.2 25.8
 265 20.3 16.6 25.0

