

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082925\
 Data File : BG064238.D
 Acq On : 29 Aug 2025 22:02
 Operator : RC/JU
 Sample : Q2982-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MOO-25-0244-0248

Quant Time: Aug 29 23:22:48 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)

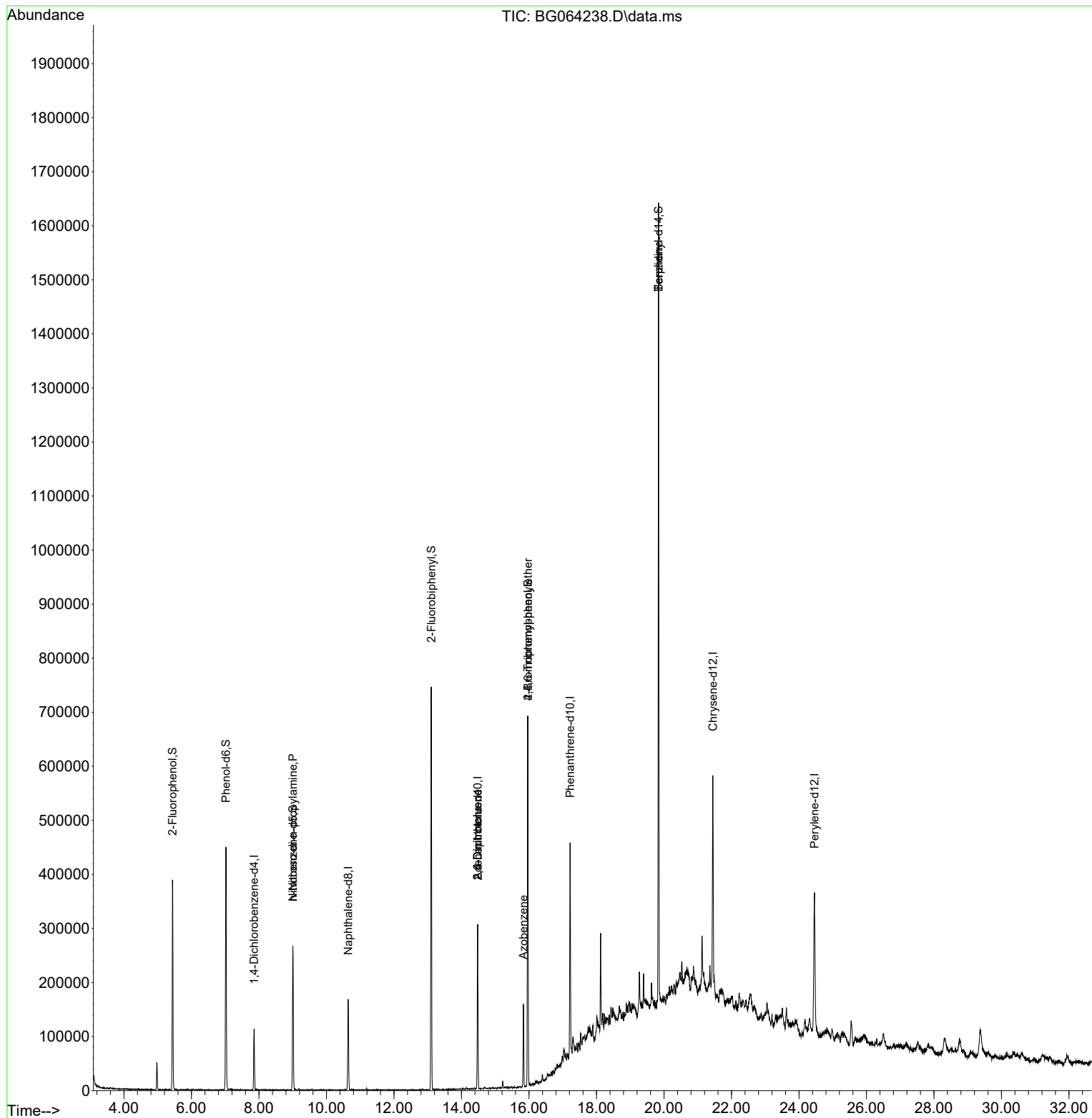
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.854	152	27890	20.000	ng	0.00
21) Naphthalene-d8	10.645	136	136426	20.000	ng	0.00
39) Acenaphthene-d10	14.482	164	103765	20.000	ng	0.00
64) Phenanthrene-d10	17.220	188	231463	20.000	ng	0.00
76) Chrysene-d12	21.450	240	220543	20.000	ng	0.00
86) Perylene-d12	24.458	264	249620	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	152516	98.110	ng	0.00
7) Phenol-d6	7.020	99	214909	100.628	ng	-0.01
23) Nitrobenzene-d5	9.006	82	142284	58.165	ng	-0.01
42) 2,4,6-Tribromophenol	15.968	330	117308	85.351	ng	0.00
45) 2-Fluorobiphenyl	13.107	172	378548	55.683	ng	0.00
79) Terphenyl-d14	19.840	244	655327	61.994	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.006	70	20297	12.418	ng	# 69
51) 2,6-Dinitrotoluene	14.482	165	13998	9.206	ng	# 16
57) 2,4-Dinitrotoluene	14.482	165	13998	6.089	ng	# 18
63) Azobenzene	15.833	77	43374	5.790	ng	# 9
67) 4-Bromophenyl-phenylether	15.968	248	8148	3.314	ng	# 1
77) Benzidine	19.840	184	12461	2.686	ng	# 95

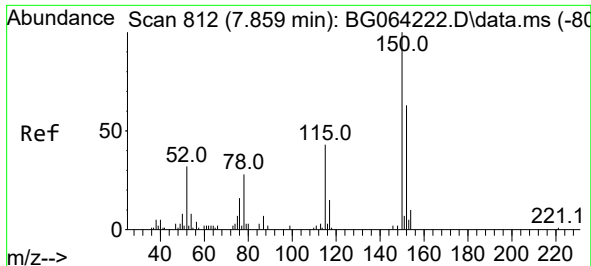
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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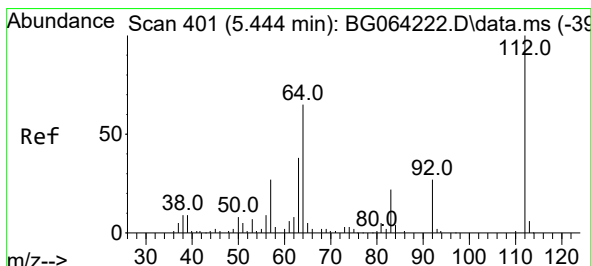
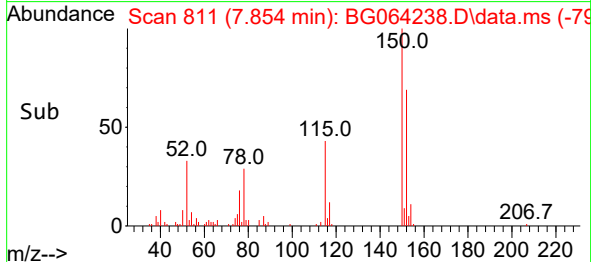
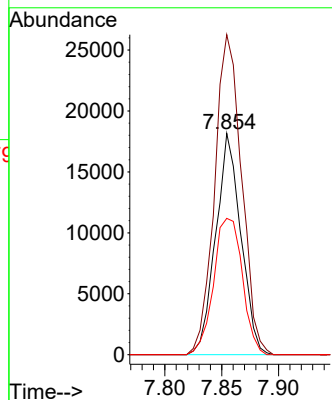
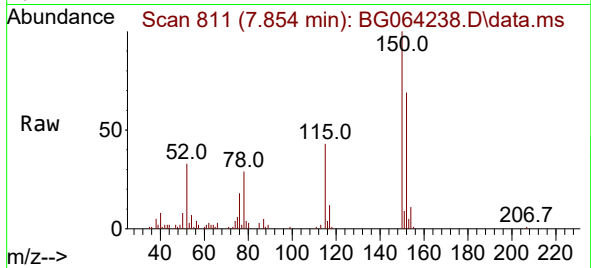




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.854 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG064238.D
Acq: 29 Aug 2025 22:02

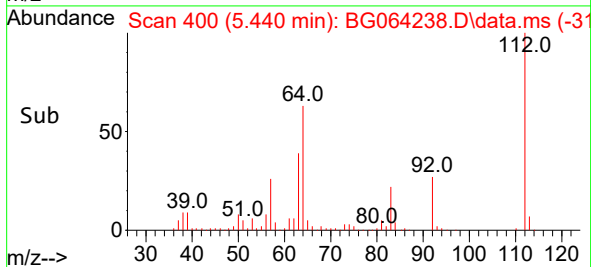
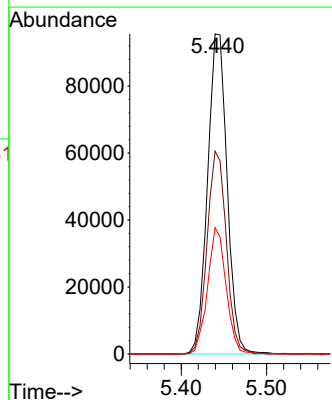
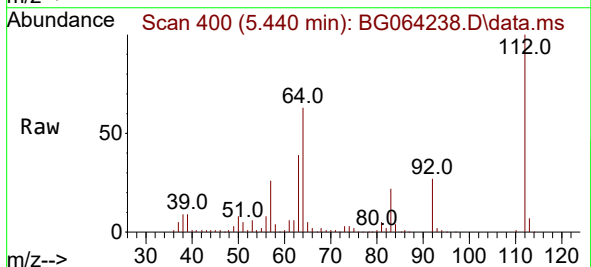
Instrument :
BNA_G
ClientSampleId :
MOO-25-0244-0248

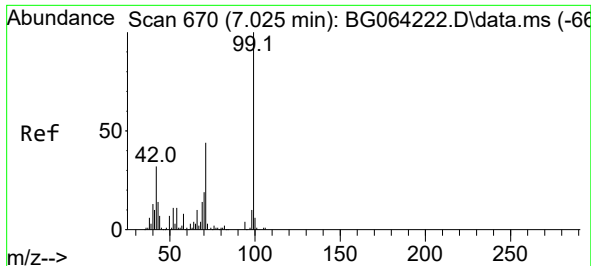
Tgt Ion:152 Resp: 27890
Ion Ratio Lower Upper
152 100
150 144.6 128.0 192.0
115 61.6 55.7 83.5



#5
2-Fluorophenol
Concen: 98.110 ng
RT: 5.440 min Scan# 400
Delta R.T. -0.005 min
Lab File: BG064238.D
Acq: 29 Aug 2025 22:02

Tgt Ion:112 Resp: 152516
Ion Ratio Lower Upper
112 100
64 63.3 51.8 77.6
63 39.5 30.6 45.8

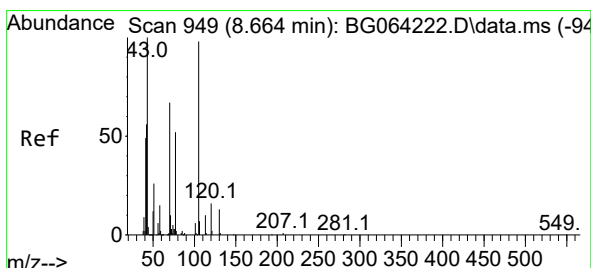
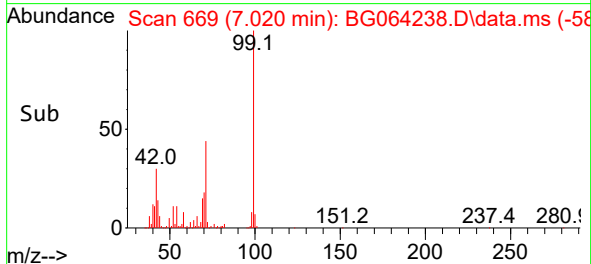
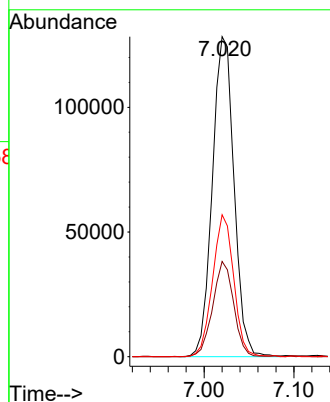
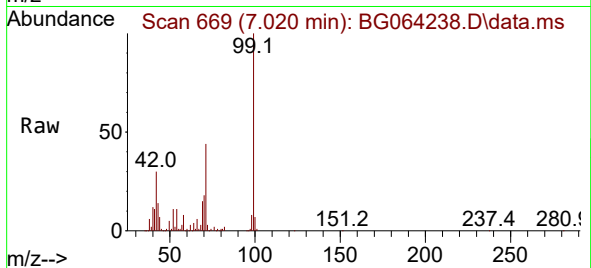




#7
Phenol-d6
Concen: 100.628 ng
RT: 7.020 min Scan# 61
Delta R.T. -0.011 min
Lab File: BG064238.D
Acq: 29 Aug 2025 22:02

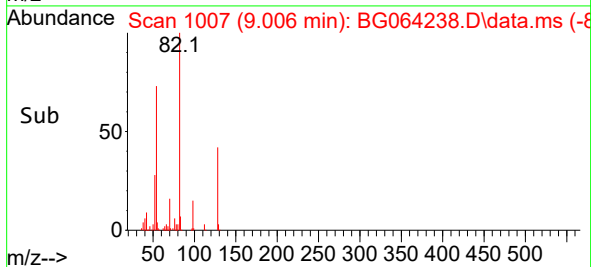
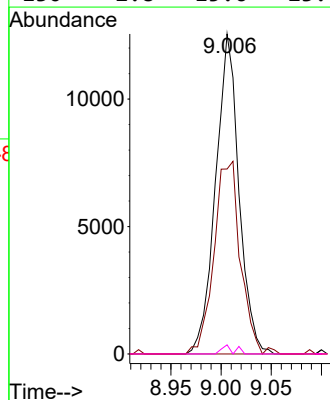
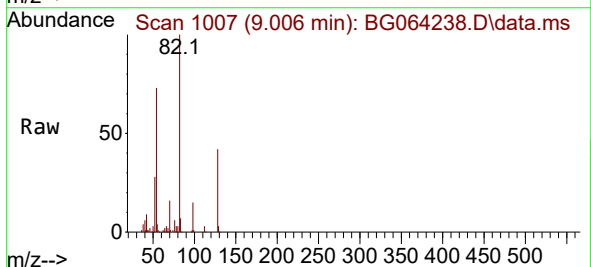
Instrument :
BNA_G
ClientSampleId :
MOO-25-0244-0248

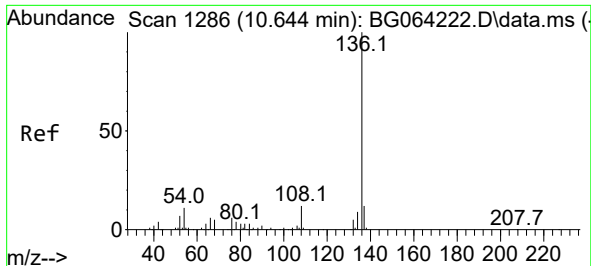
Tgt Ion: 99 Resp: 214909
Ion Ratio Lower Upper
99 100
42 29.7 25.8 38.8
71 44.4 35.2 52.8



#19
n-Nitroso-di-n-propylamine
Concen: 12.418 ng
RT: 9.006 min Scan# 1007
Delta R.T. 0.342 min
Lab File: BG064238.D
Acq: 29 Aug 2025 22:02

Tgt Ion: 70 Resp: 20297
Ion Ratio Lower Upper
70 100
42 57.8 67.9 101.9#
101 0.0 7.3 10.9#
130 2.8 15.6 23.4#

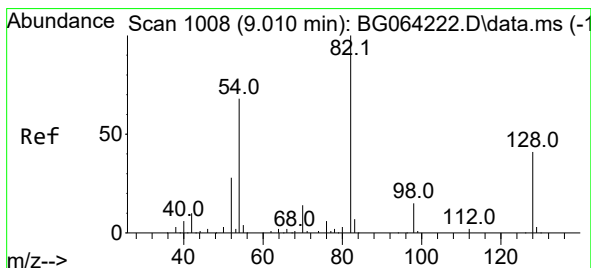
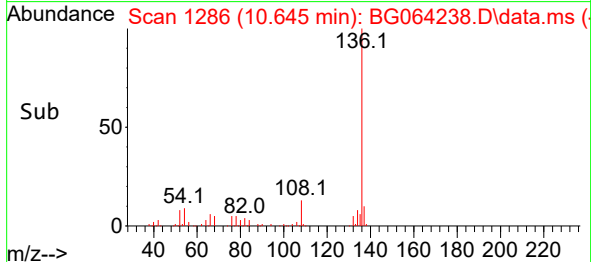
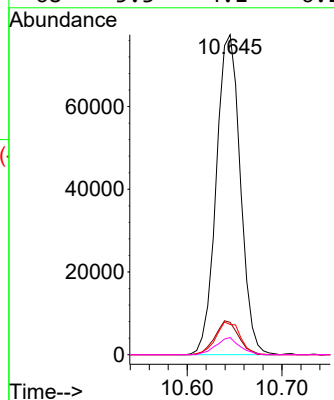
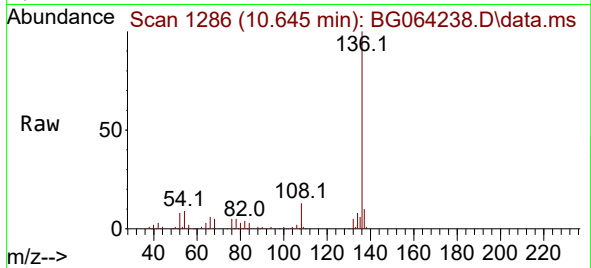




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG064238.D
Acq: 29 Aug 2025 22:02

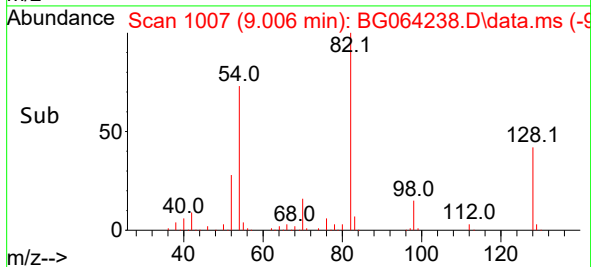
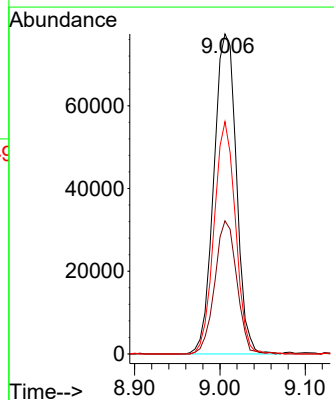
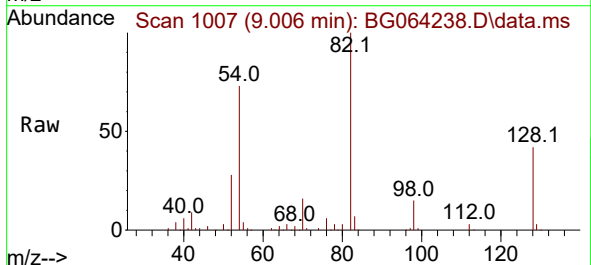
Instrument :
BNA_G
ClientSampleId :
MOO-25-0244-0248

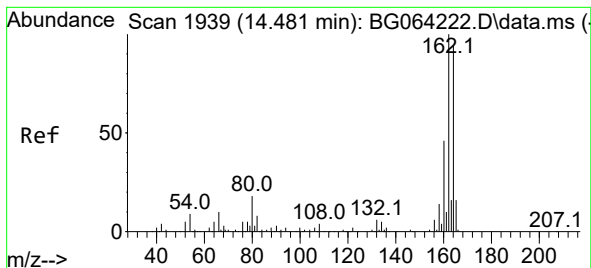
Tgt Ion:	136	Resp:	136426
Ion Ratio	Lower	Upper	
136	100		
137	10.1	9.6	14.4
54	9.4	8.8	13.2
68	5.3	4.1	6.1



#23
Nitrobenzene-d5
Concen: 58.165 ng
RT: 9.006 min Scan# 1007
Delta R.T. -0.011 min
Lab File: BG064238.D
Acq: 29 Aug 2025 22:02

Tgt Ion:	82	Resp:	142284
Ion Ratio	Lower	Upper	
82	100		
128	41.6	32.6	48.8
54	72.6	54.7	82.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.482 min Scan# 1939

Delta R.T. 0.001 min

Lab File: BG064238.D

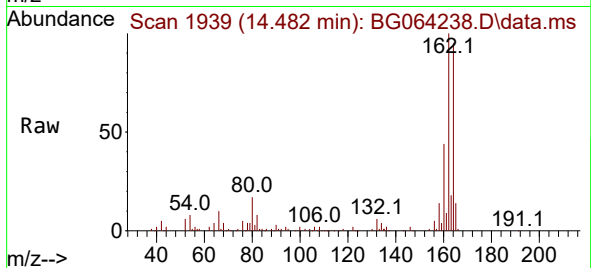
Acq: 29 Aug 2025 22:02

Instrument :

BNA_G

ClientSampleId :

MOO-25-0244-0248



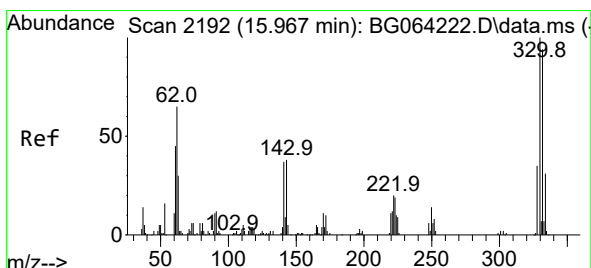
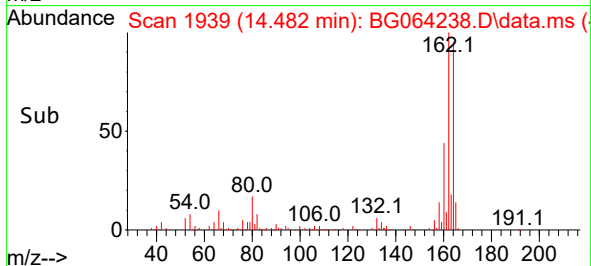
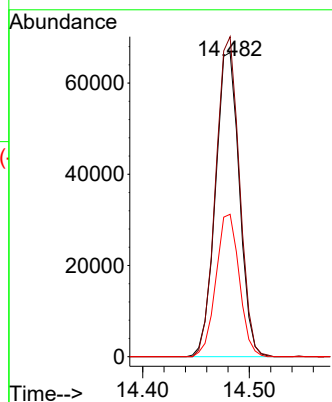
Tgt Ion:164 Resp: 103765

Ion Ratio Lower Upper

164 100

162 105.2 85.4 128.0

160 46.8 39.2 58.8



#42

2,4,6-Tribromophenol

Concen: 85.351 ng

RT: 15.968 min Scan# 2192

Delta R.T. -0.005 min

Lab File: BG064238.D

Acq: 29 Aug 2025 22:02

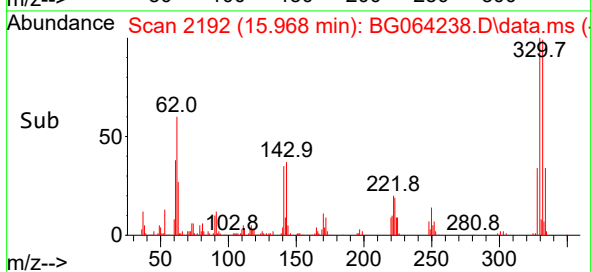
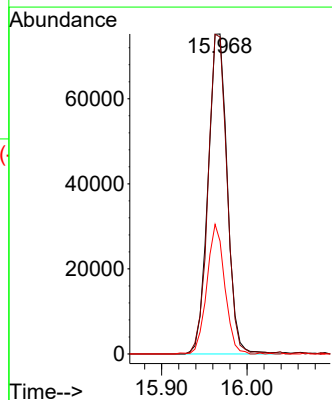
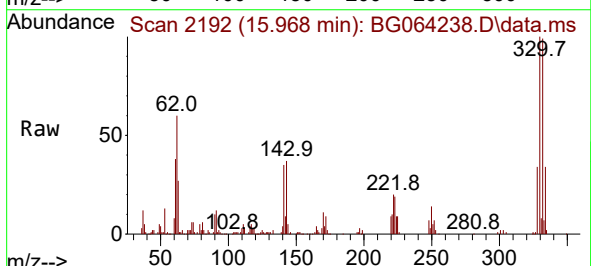
Tgt Ion:330 Resp: 117308

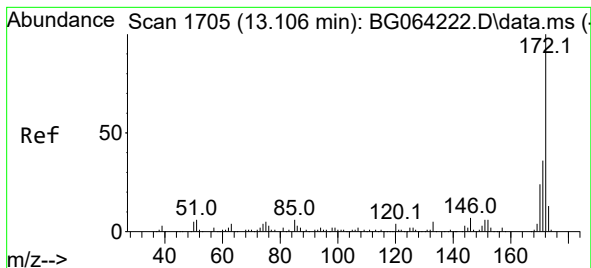
Ion Ratio Lower Upper

330 100

332 98.4 77.6 116.4

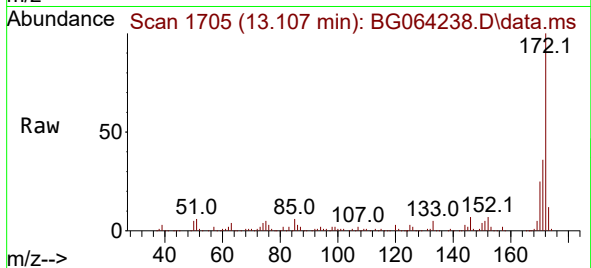
141 37.8 29.8 44.6



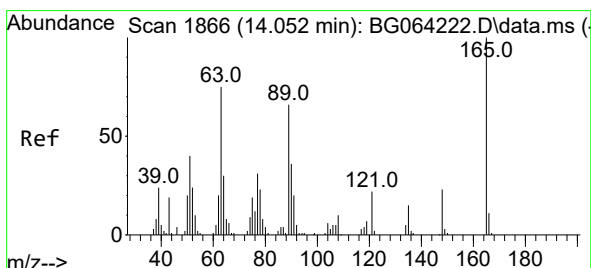
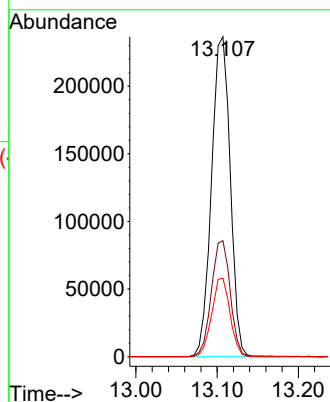
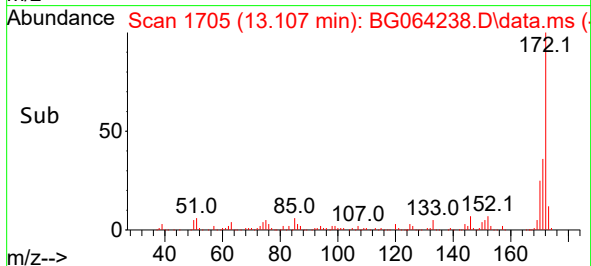


#45
2-Fluorobiphenyl
Concen: 55.683 ng
RT: 13.107 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064238.D
Acq: 29 Aug 2025 22:02

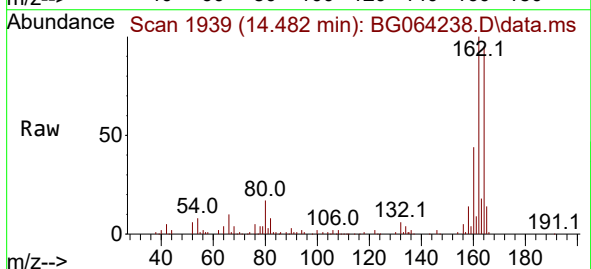
Instrument :
BNA_G
ClientSampleId :
MOO-25-0244-0248



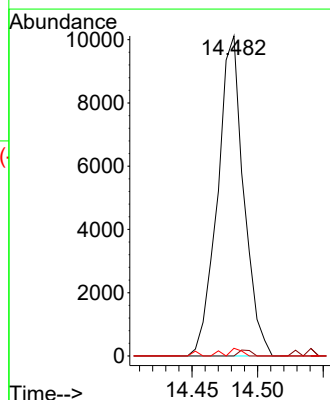
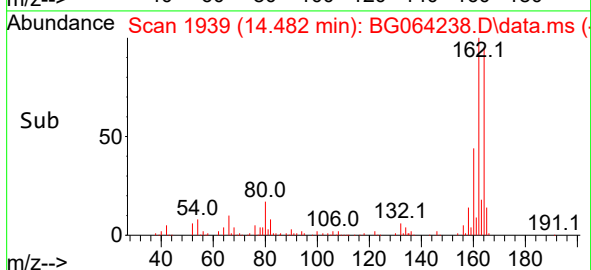
Tgt Ion:172 Resp: 378548
Ion Ratio Lower Upper
172 100
171 36.3 28.7 43.1
170 24.6 19.0 28.6

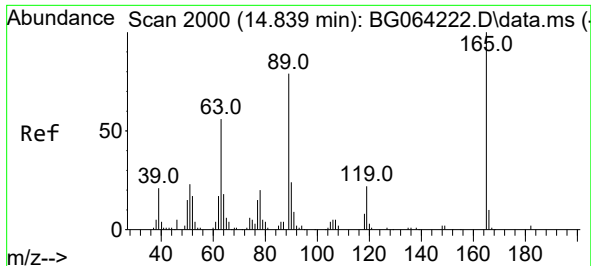


#51
2,6-Dinitrotoluene
Concen: 9.206 ng
RT: 14.482 min Scan# 1939
Delta R.T. 0.424 min
Lab File: BG064238.D
Acq: 29 Aug 2025 22:02



Tgt Ion:165 Resp: 13998
Ion Ratio Lower Upper
165 100
63 0.0 60.3 90.5#
89 2.4 52.9 79.3#





#57

2,4-Dinitrotoluene

Concen: 6.089 ng

RT: 14.482 min Scan# 1939

Delta R.T. -0.363 min

Lab File: BG064238.D

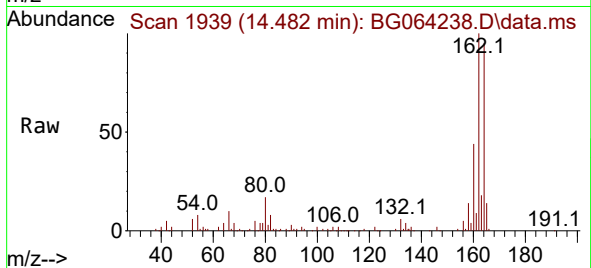
Acq: 29 Aug 2025 22:02

Instrument :

BNA_G

ClientSampleId :

MOO-25-0244-0248



Tgt Ion:165 Resp: 13998

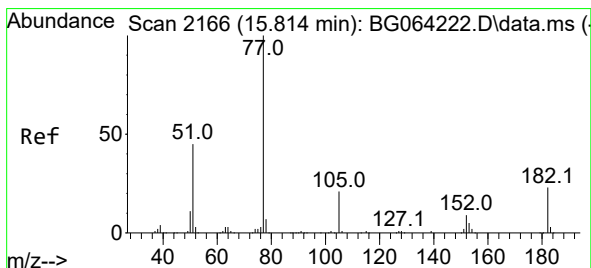
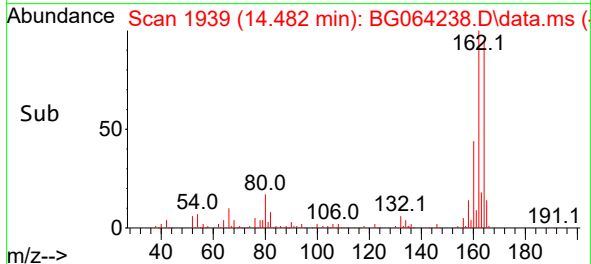
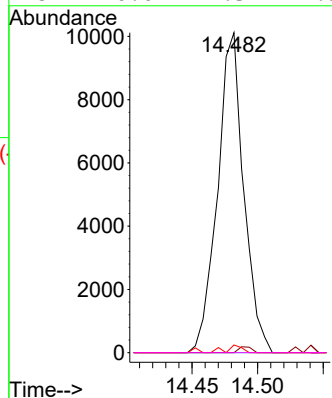
Ion Ratio Lower Upper

165 100

63 0.0 44.6 67.0#

89 2.4 63.0 94.4#

182 0.0 1.5 2.3#



#63

Azobenzene

Concen: 5.790 ng

RT: 15.833 min Scan# 2169

Delta R.T. 0.013 min

Lab File: BG064238.D

Acq: 29 Aug 2025 22:02

Tgt Ion: 77 Resp: 43374

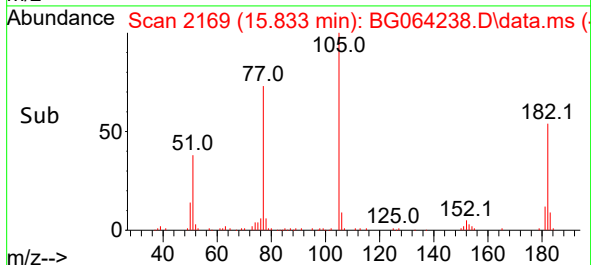
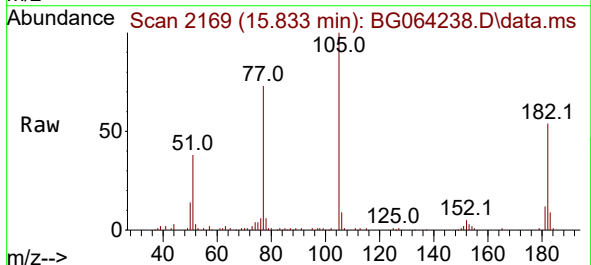
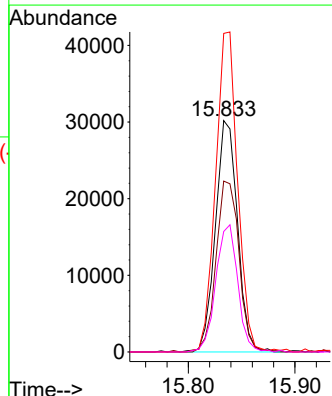
Ion Ratio Lower Upper

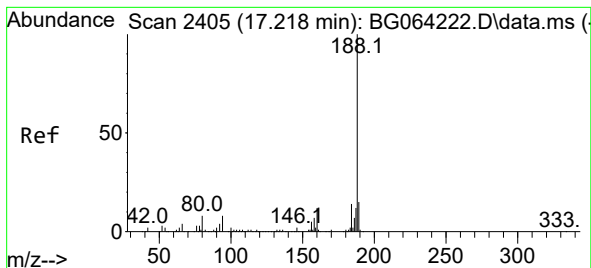
77 100

182 73.9 3.3 43.3#

105 137.7 0.6 40.6#

51 52.1 25.3 65.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.220 min Scan# 24

Delta R.T. -0.005 min

Lab File: BG064238.D

Acq: 29 Aug 2025 22:02

Instrument :

BNA_G

ClientSampleId :

MOO-25-0244-0248

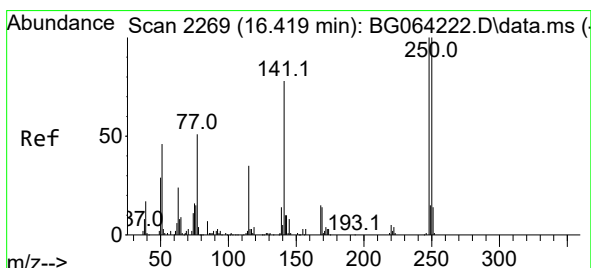
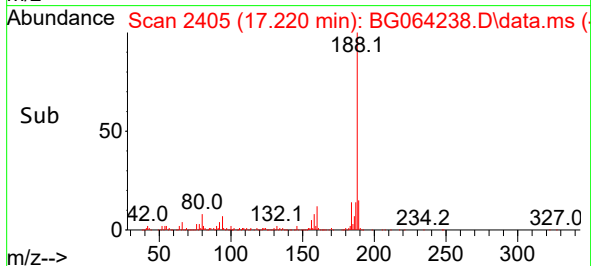
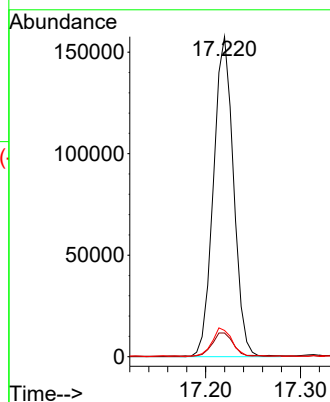
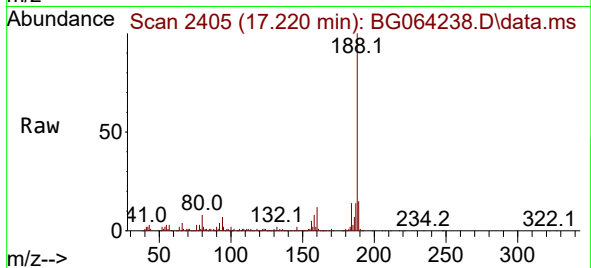
Tgt Ion:188 Resp: 231463

Ion Ratio Lower Upper

188 100

94 7.4 6.2 9.4

80 8.2 6.8 10.2



#67

4-Bromophenyl-phenylether

Concen: 3.314 ng

RT: 15.968 min Scan# 2192

Delta R.T. -0.451 min

Lab File: BG064238.D

Acq: 29 Aug 2025 22:02

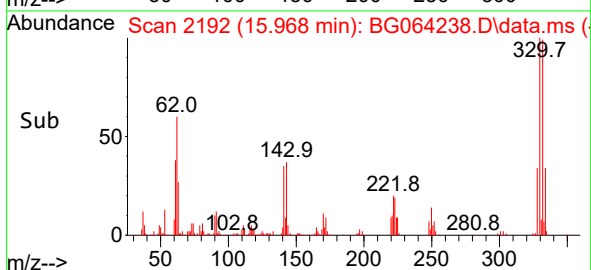
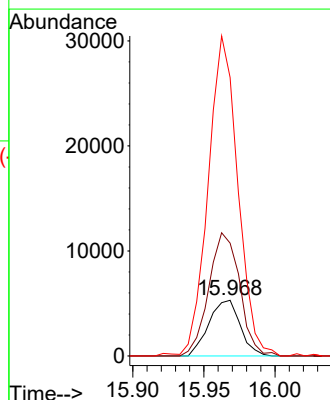
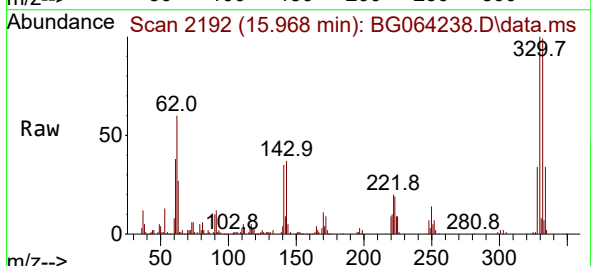
Tgt Ion:248 Resp: 8148

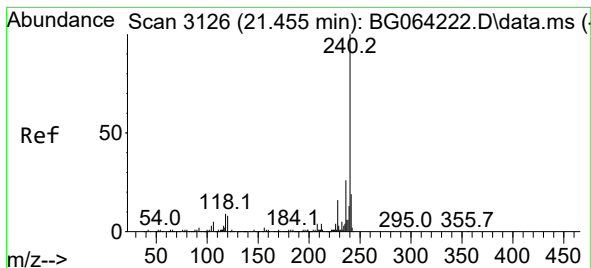
Ion Ratio Lower Upper

248 100

250 202.7 80.2 120.4#

141 500.4 62.4 93.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.450 min Scan# 31

Delta R.T. -0.005 min

Lab File: BG064238.D

Acq: 29 Aug 2025 22:02

Instrument :

BNA_G

ClientSampleId :

MOO-25-0244-0248

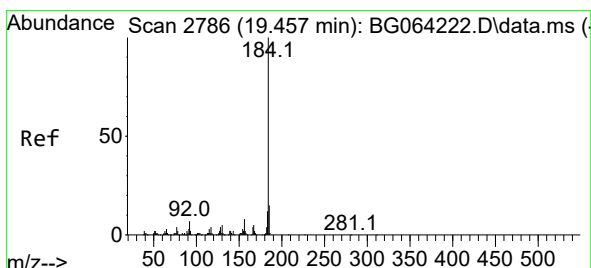
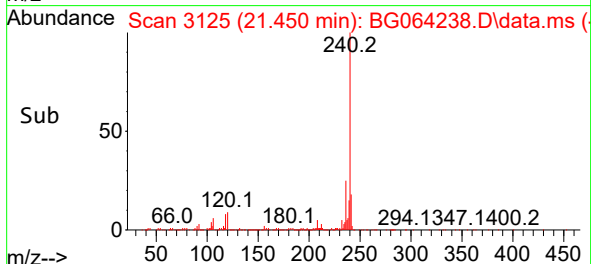
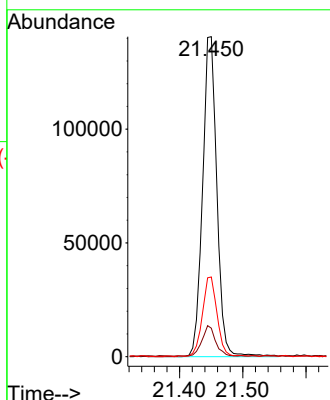
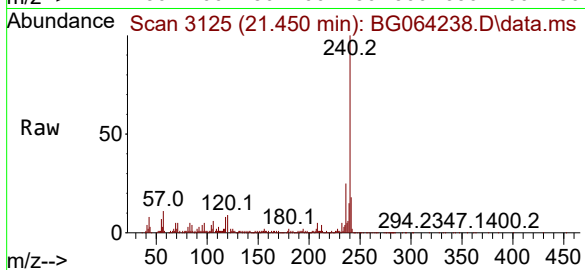
Tgt Ion:240 Resp: 220543

Ion Ratio Lower Upper

240 100

120 8.9 6.2 9.4

236 24.9 20.5 30.7



#77

Benzidine

Concen: 2.686 ng

RT: 19.840 min Scan# 2851

Delta R.T. 0.383 min

Lab File: BG064238.D

Acq: 29 Aug 2025 22:02

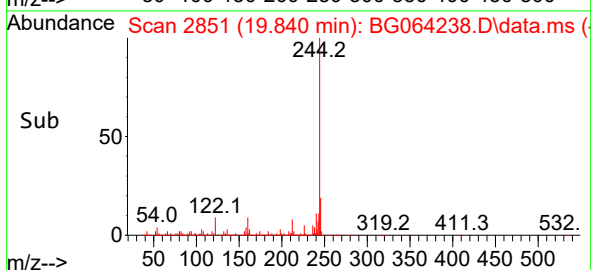
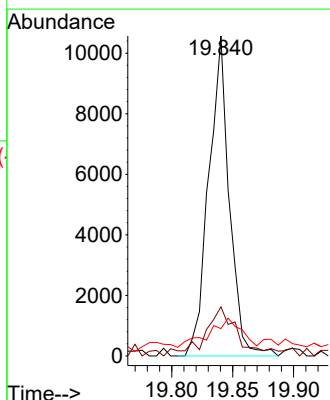
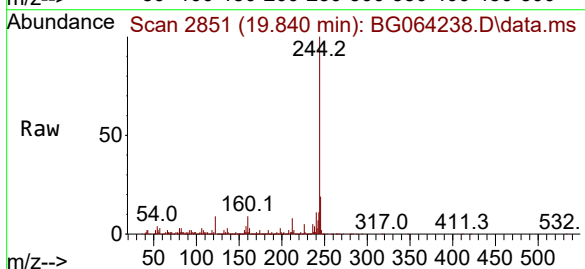
Tgt Ion:184 Resp: 12461

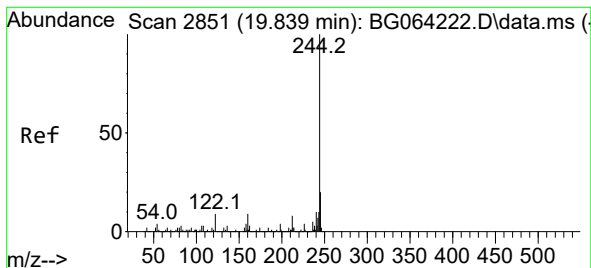
Ion Ratio Lower Upper

184 100

185 15.4 11.7 17.5

183 8.6 9.7 14.5#





#79

Terphenyl-d14

Concen: 61.994 ng

RT: 19.840 min Scan# 21

Delta R.T. -0.005 min

Lab File: BG064238.D

Acq: 29 Aug 2025 22:02

Instrument :

BNA_G

ClientSampleId :

MOO-25-0244-0248

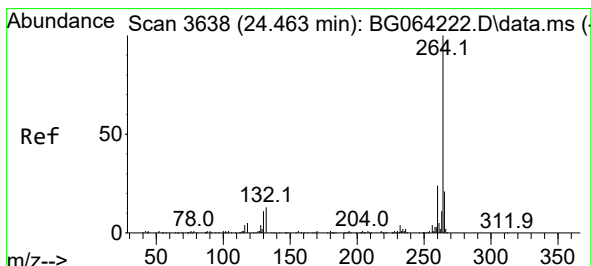
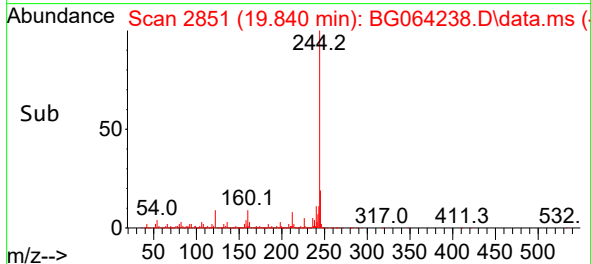
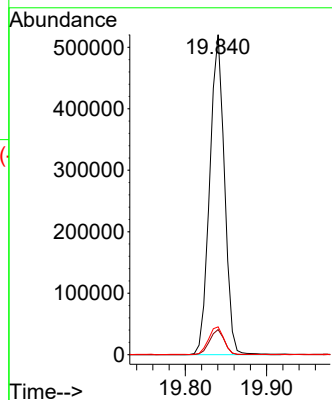
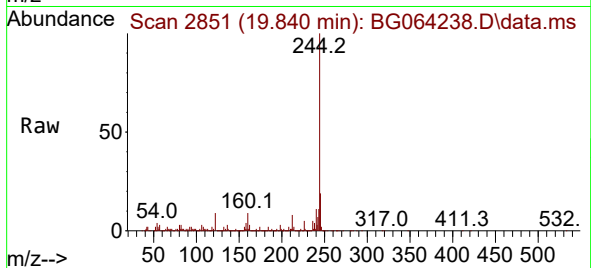
Tgt Ion:244 Resp: 655327

Ion Ratio Lower Upper

244 100

212 7.9 6.6 10.0

122 8.7 7.0 10.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.458 min Scan# 3637

Delta R.T. -0.005 min

Lab File: BG064238.D

Acq: 29 Aug 2025 22:02

Tgt Ion:264 Resp: 249620

Ion Ratio Lower Upper

264 100

260 23.8 18.9 28.3

265 21.9 16.7 25.1

