

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092925\
 Data File : BG064462.D
 Acq On : 29 Sep 2025 16:34
 Operator : RC/JU
 Sample : Q3181-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-A3-01-C

Quant Time: Sep 29 18:14:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG092525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 29 18:04:12 2025
 Response via : Initial Calibration

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

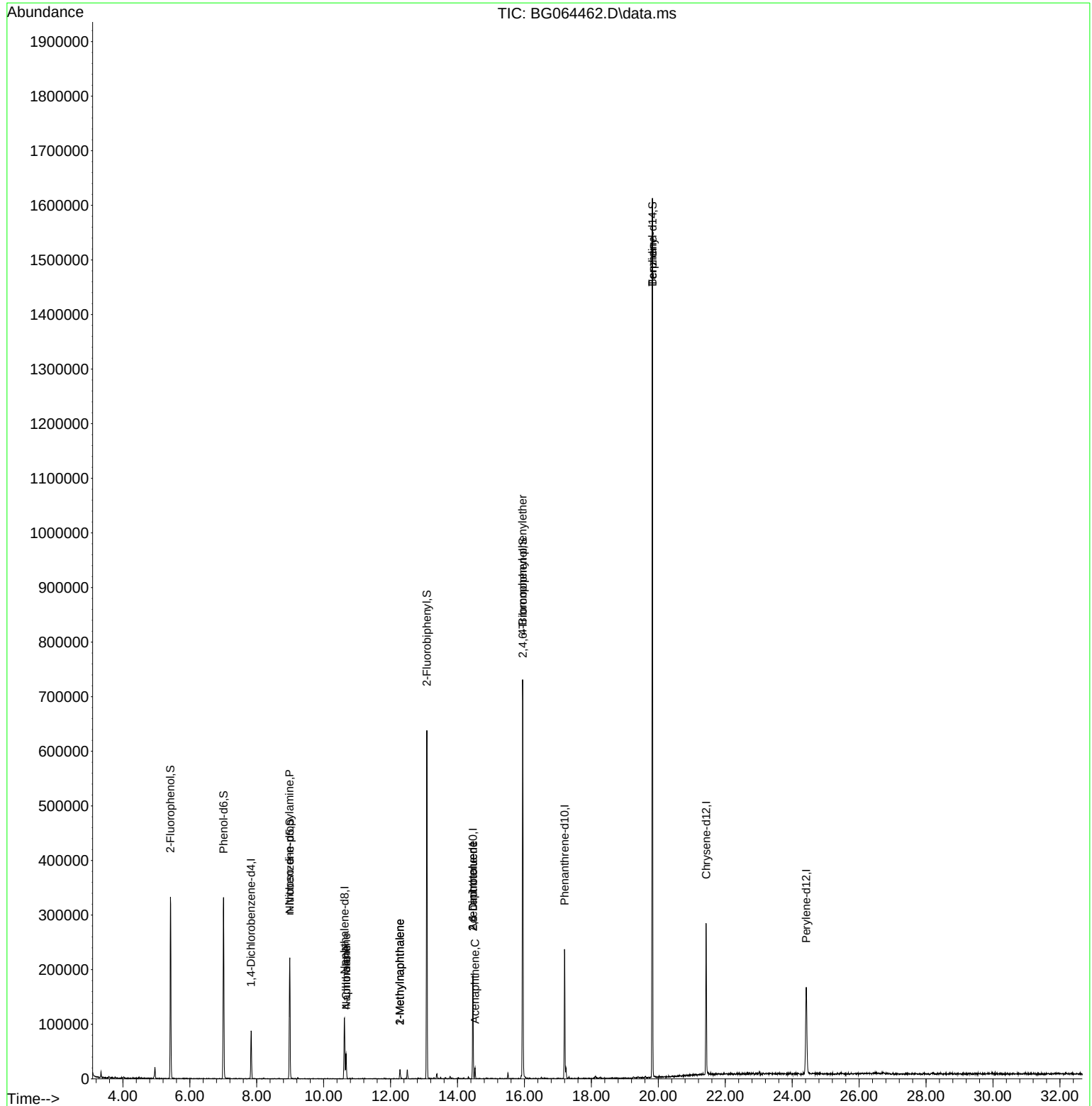
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.831	152	21958	20.000	ng	-0.01
21) Naphthalene-d8	10.622	136	91617	20.000	ng	0.00
39) Acenaphthene-d10	14.459	164	62822	20.000	ng	0.00
64) Phenanthrene-d10	17.197	188	143414	20.000	ng	#-0.01
76) Chrysene-d12	21.427	240	161191	20.000	ng	0.00
86) Perylene-d12	24.418	264	173694	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	120318	104.710	ng	0.00
7) Phenol-d6	7.009	99	152169	96.664	ng	0.00
23) Nitrobenzene-d5	8.989	82	115160	68.121	ng	0.00
42) 2,4,6-Tribromophenol	15.951	330	145938	133.068	ng	0.00
45) 2-Fluorobiphenyl	13.084	172	315760	74.220	ng	0.00
79) Terphenyl-d14	19.823	244	752234	91.995	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	8.983	70	17723	16.656	ng	# 83
31) Naphthalene	10.669	128	36087	7.545	ng	95
33) 4-Chloroaniline	10.669	127	5070	2.898	ng	# 38
37) 2-Methylnaphthalene	12.279	142	8399	2.326	ng	98
38) 1-Methylnaphthalene	12.279	142	8399	2.367	ng	94
51) 2,6-Dinitrotoluene	14.459	165	9108	9.035	ng	# 23
52) Acenaphthene	14.523	154	7237	2.097	ng	95
57) 2,4-Dinitrotoluene	14.459	165	9108	5.919	ng	# 21
67) 4-Bromophenyl-phenylether	15.945	248	9986	5.943	ng	# 1
77) Benzidine	19.823	184	15211	3.604	ng	96

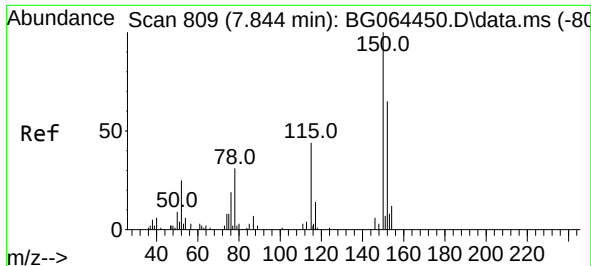
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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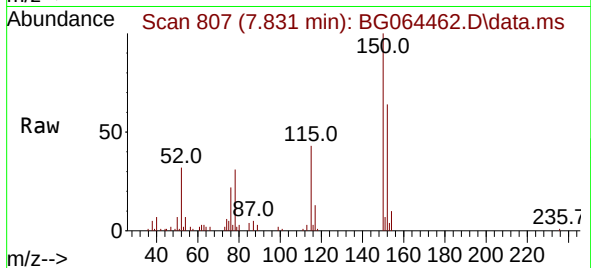
Quant Time: Sep 29 18:14:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG092525.M
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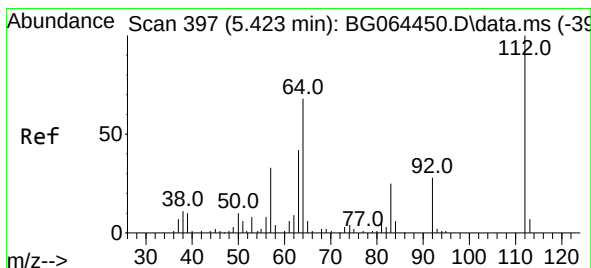
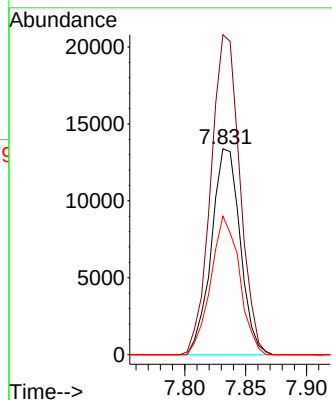
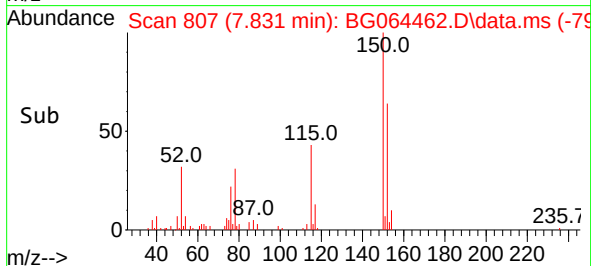


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.831 min Scan# 809
Delta R.T. -0.013 min
Lab File: BG064462.D
Acq: 29 Sep 2025 16:34

Instrument :
BNA_G
ClientSampleId :
WC-A3-01-C

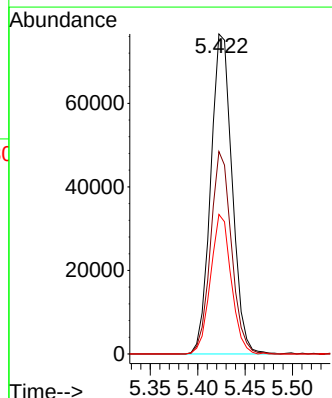
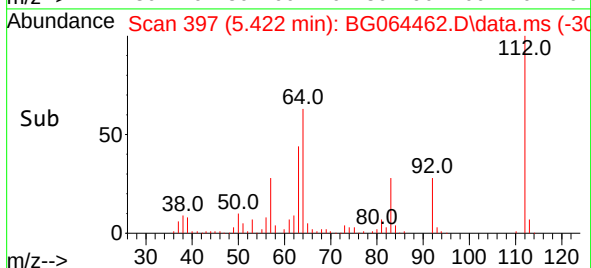
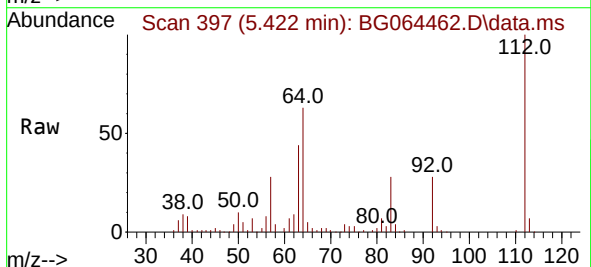


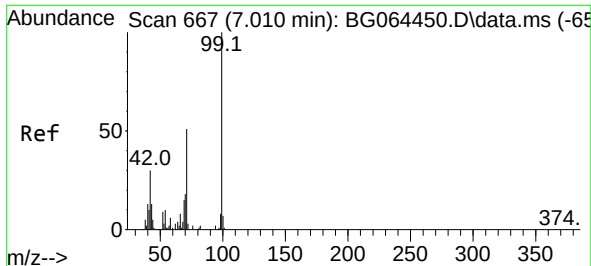
Tgt Ion:152 Resp: 21958
Ion Ratio Lower Upper
152 100
150 155.4 122.9 184.3
115 67.3 54.3 81.5



#5
2-Fluorophenol
Concen: 104.710 ng
RT: 5.422 min Scan# 397
Delta R.T. -0.001 min
Lab File: BG064462.D
Acq: 29 Sep 2025 16:34

Tgt Ion:112 Resp: 120318
Ion Ratio Lower Upper
112 100
64 63.3 54.0 81.0
63 43.6 33.8 50.6

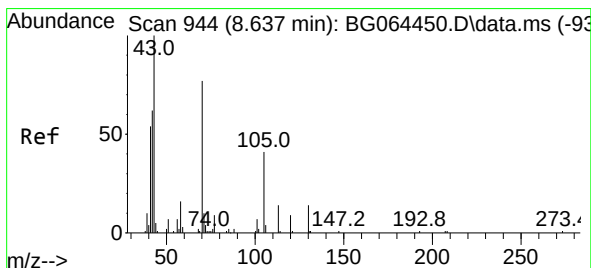
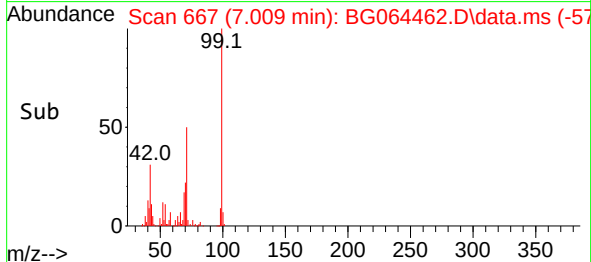
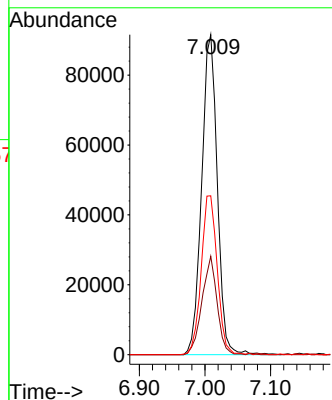
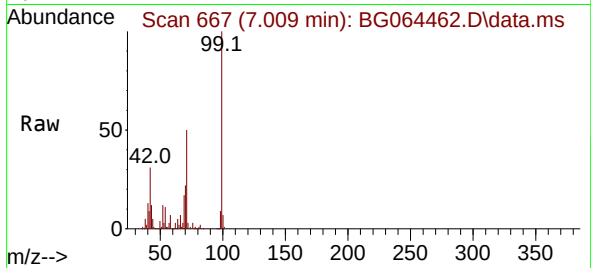




#7
Phenol-d6
Concen: 96.664 ng
RT: 7.009 min Scan# 60
Delta R.T. -0.001 min
Lab File: BG064462.D
Acq: 29 Sep 2025 16:34

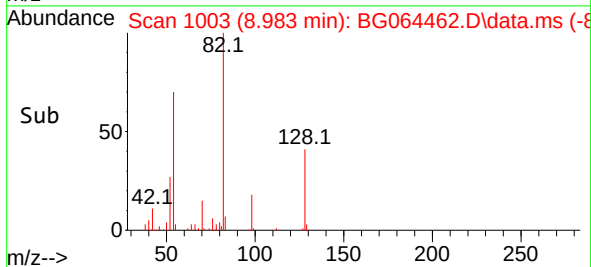
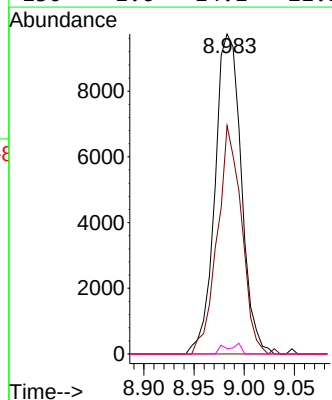
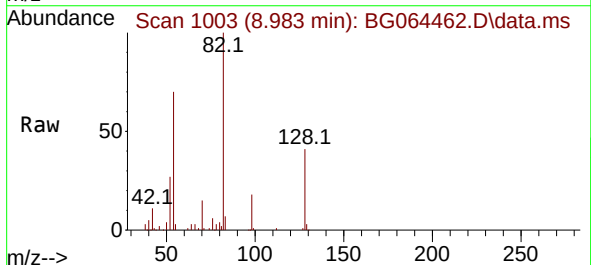
Instrument :
BNA_G
ClientSampleId :
WC-A3-01-C

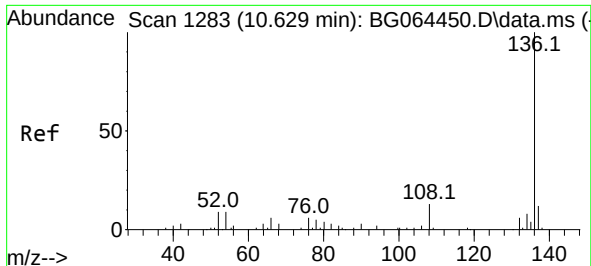
Tgt Ion: 99 Resp: 152169
Ion Ratio Lower Upper
99 100
42 30.8 24.0 36.0
71 49.7 40.5 60.7



#19
n-Nitroso-di-n-propylamine
Concen: 16.656 ng
RT: 8.983 min Scan# 1003
Delta R.T. 0.346 min
Lab File: BG064462.D
Acq: 29 Sep 2025 16:34

Tgt Ion: 70 Resp: 17723
Ion Ratio Lower Upper
70 100
42 71.4 65.6 98.4
101 0.0 7.7 11.5#
130 1.6 14.1 21.1#

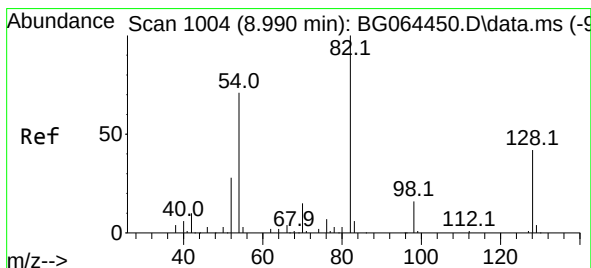
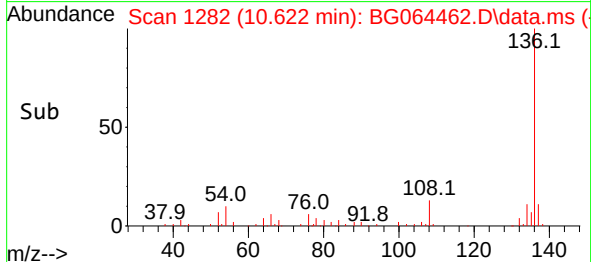
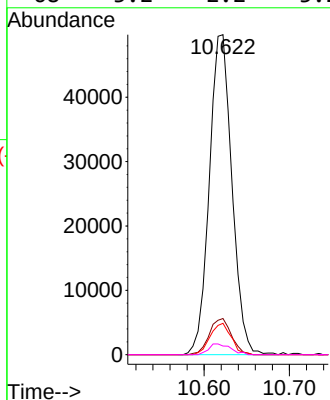
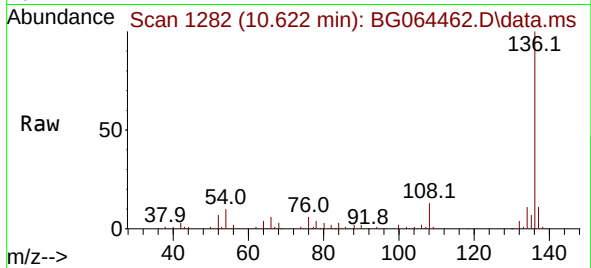




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.622 min Scan# 1282
Delta R.T. -0.007 min
Lab File: BG064462.D
Acq: 29 Sep 2025 16:34

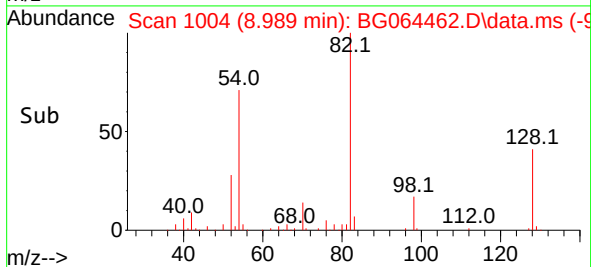
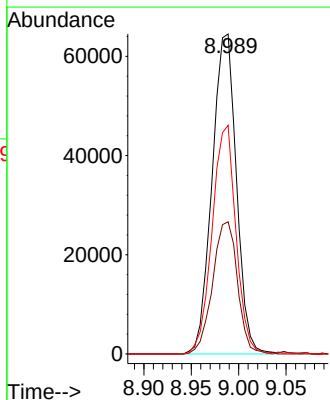
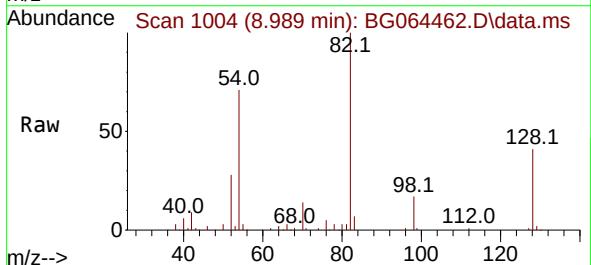
Instrument :
BNA_G
ClientSampleId :
WC-A3-01-C

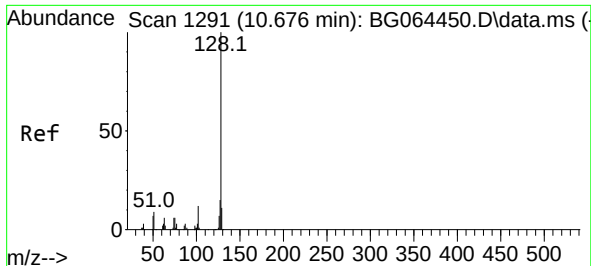
Tgt Ion:136	Resp:	91617
Ion Ratio	Lower	Upper
136	100	
137	11.3	9.6 14.4
54	9.8	7.4 11.2
68	3.2	2.2 3.2



#23
Nitrobenzene-d5
Concen: 68.121 ng
RT: 8.989 min Scan# 1004
Delta R.T. -0.001 min
Lab File: BG064462.D
Acq: 29 Sep 2025 16:34

Tgt Ion: 82	Resp:	115160
Ion Ratio	Lower	Upper
82	100	
128	41.3	33.7 50.5
54	71.5	57.0 85.6

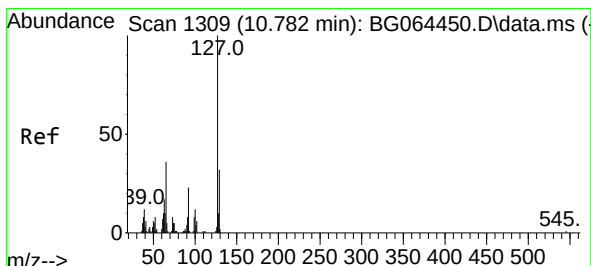
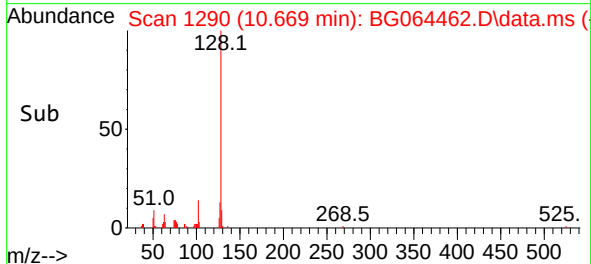
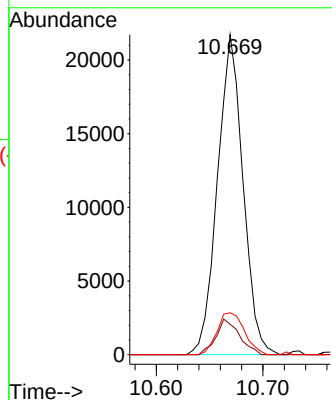
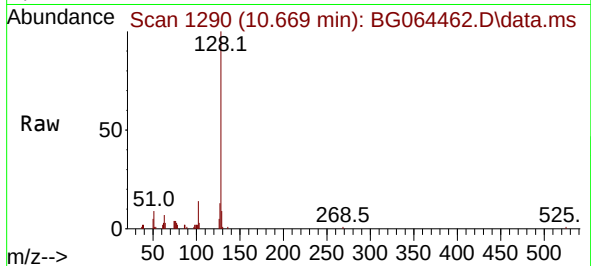




#31
Naphthalene
Concen: 7.545 ng
RT: 10.669 min Scan# 1290
Delta R.T. -0.007 min
Lab File: BG064462.D
Acq: 29 Sep 2025 16:34

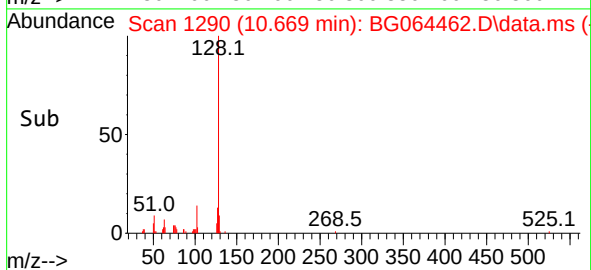
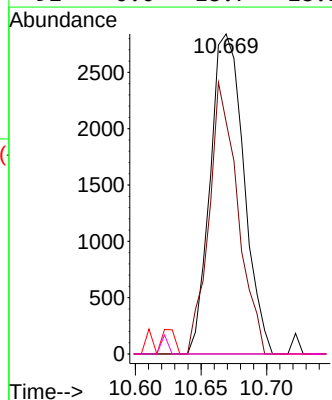
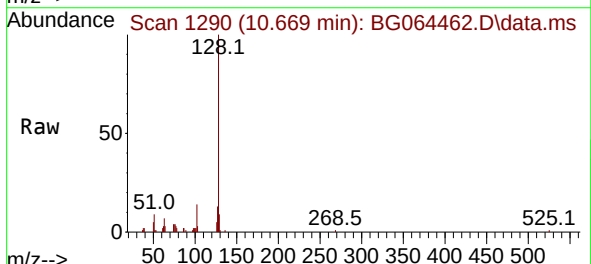
Instrument :
BNA_G
ClientSampleId :
WC-A3-01-C

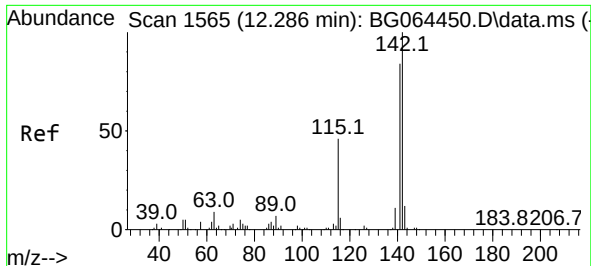
Tgt Ion:128 Resp: 36087
Ion Ratio Lower Upper
128 100
129 9.5 9.2 13.8
127 13.1 12.1 18.1



#33
4-Chloroaniline
Concen: 2.898 ng
RT: 10.669 min Scan# 1290
Delta R.T. -0.113 min
Lab File: BG064462.D
Acq: 29 Sep 2025 16:34

Tgt Ion:127 Resp: 5070
Ion Ratio Lower Upper
127 100
129 72.5 25.7 38.5#
65 0.0 28.6 43.0#
92 0.0 18.7 28.1#

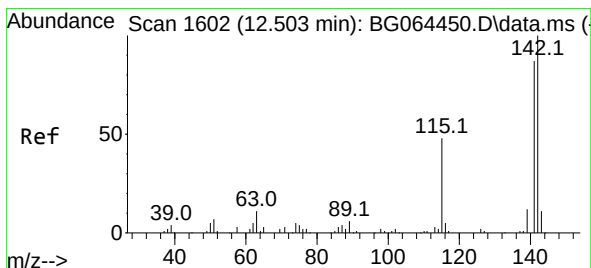
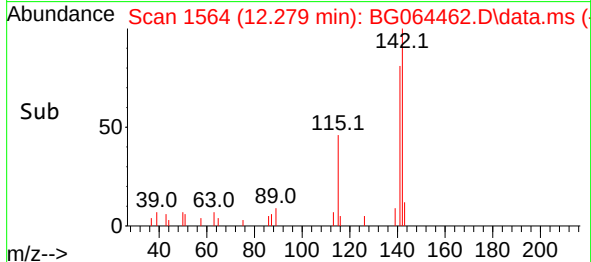
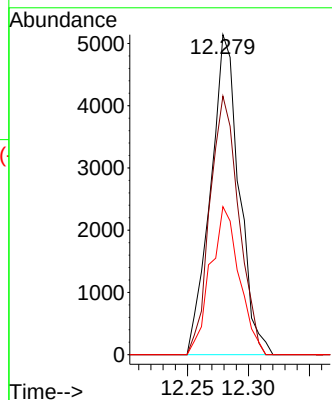
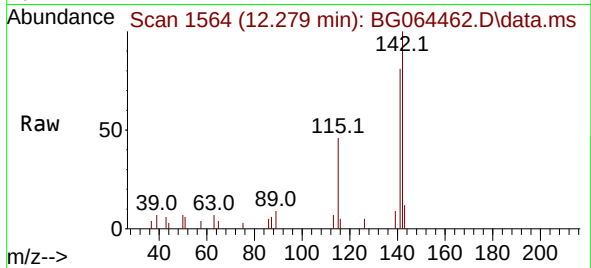




#37
2-Methylnaphthalene
Concen: 2.326 ng
RT: 12.279 min Scan# 1564
Delta R.T. -0.007 min
Lab File: BG064462.D
Acq: 29 Sep 2025 16:34

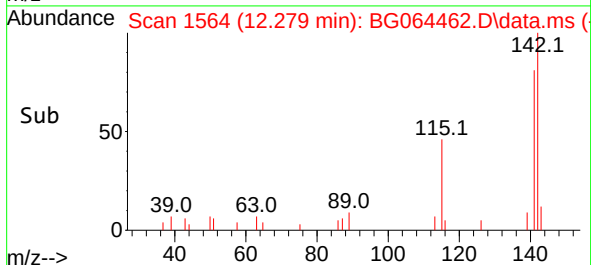
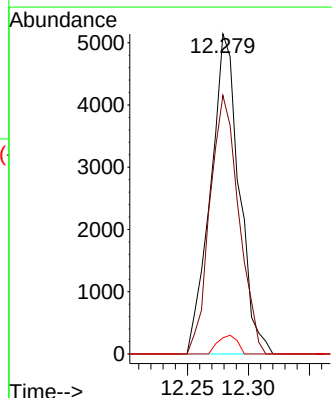
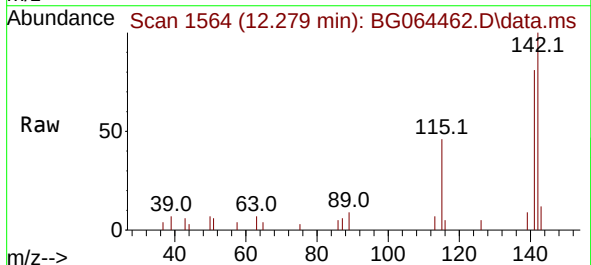
Instrument :
BNA_G
ClientSampleId :
WC-A3-01-C

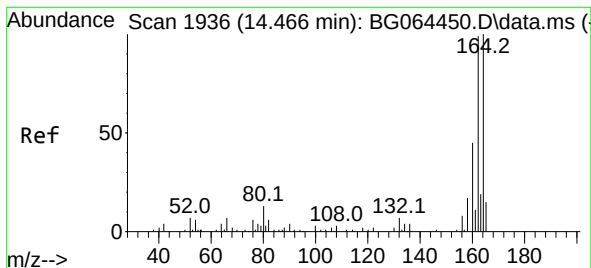
Tgt Ion:142 Resp: 8399
Ion Ratio Lower Upper
142 100
141 80.8 67.3 100.9
115 46.2 37.0 55.4



#38
1-Methylnaphthalene
Concen: 2.367 ng
RT: 12.279 min Scan# 1564
Delta R.T. -0.224 min
Lab File: BG064462.D
Acq: 29 Sep 2025 16:34

Tgt Ion:142 Resp: 8399
Ion Ratio Lower Upper
142 100
141 80.8 69.2 103.8
116 5.1 4.2 6.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.459 min Scan# 1935

Delta R.T. -0.007 min

Lab File: BG064462.D

Acq: 29 Sep 2025 16:34

Instrument :

BNA_G

ClientSampleId :

WC-A3-01-C

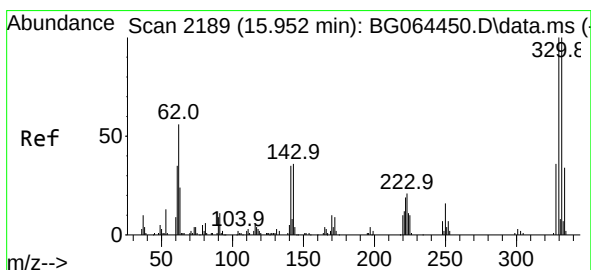
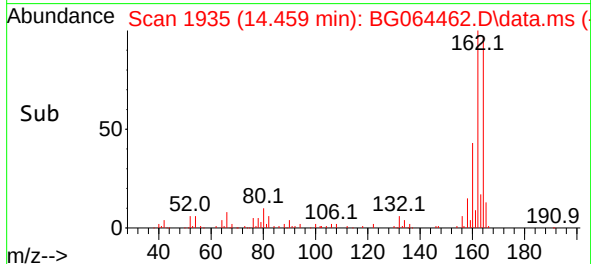
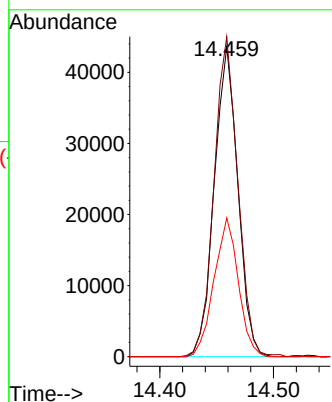
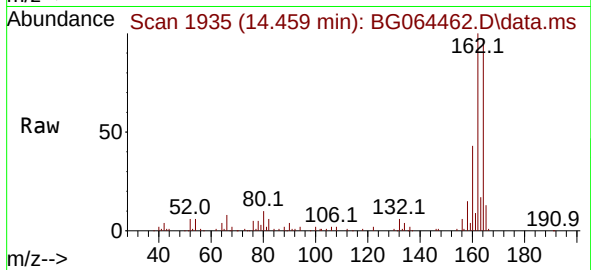
Tgt Ion:164 Resp: 62822

Ion Ratio Lower Upper

164 100

162 103.2 79.0 118.4

160 44.7 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 133.068 ng

RT: 15.951 min Scan# 2189

Delta R.T. -0.001 min

Lab File: BG064462.D

Acq: 29 Sep 2025 16:34

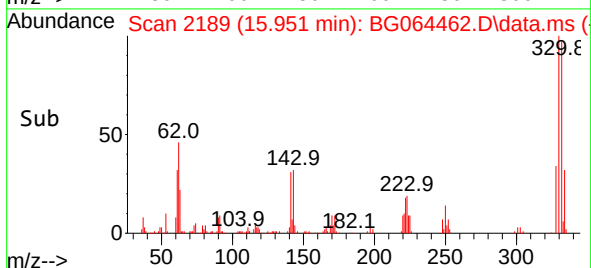
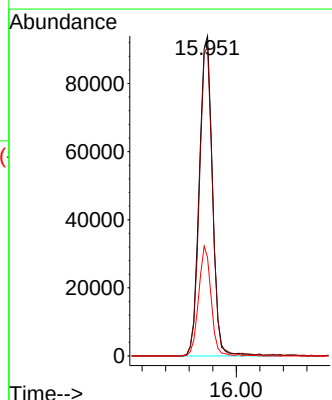
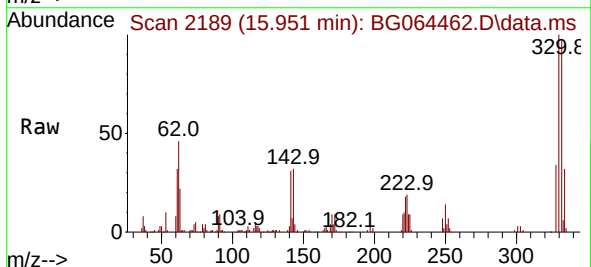
Tgt Ion:330 Resp: 145938

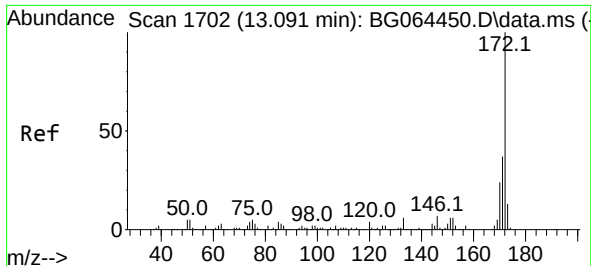
Ion Ratio Lower Upper

330 100

332 95.7 78.8 118.2

141 32.1 27.3 40.9

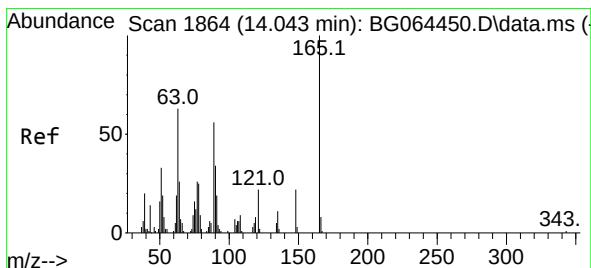
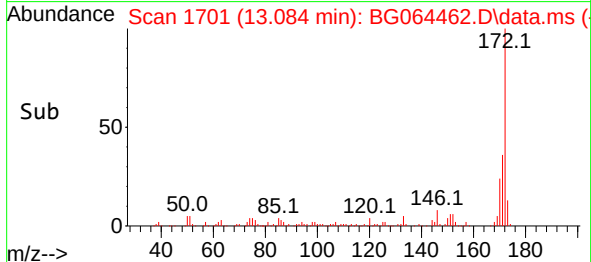
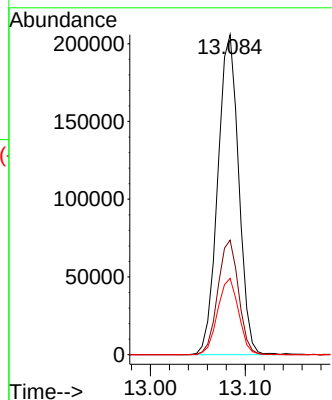
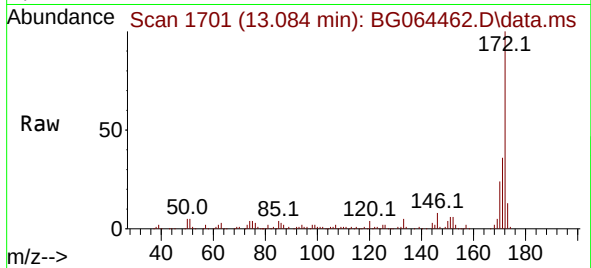




#45
2-Fluorobiphenyl
Concen: 74.220 ng
RT: 13.084 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG064462.D
Acq: 29 Sep 2025 16:34

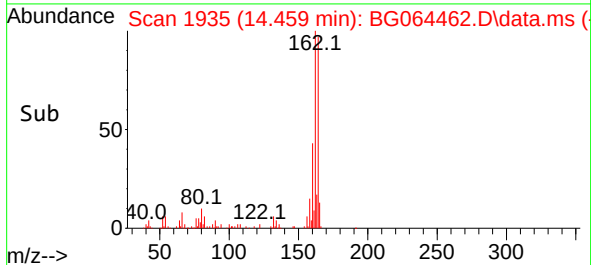
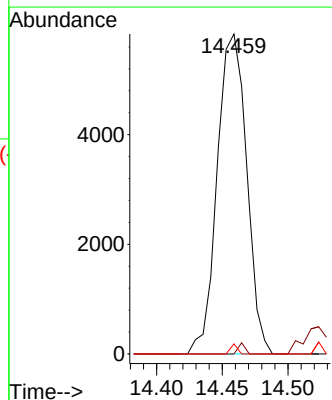
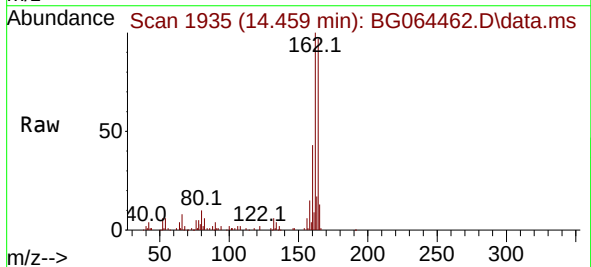
Instrument :
BNA_G
ClientSampleId :
WC-A3-01-C

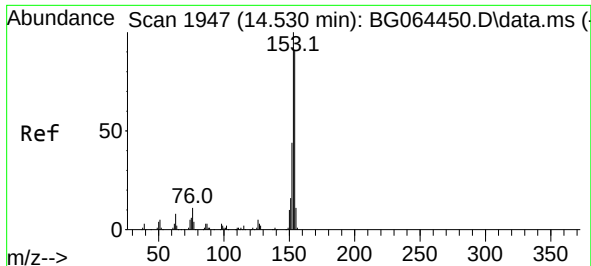
Tgt Ion:172 Resp: 315760
Ion Ratio Lower Upper
172 100
171 35.8 29.4 44.2
170 23.9 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 9.035 ng
RT: 14.459 min Scan# 1935
Delta R.T. 0.416 min
Lab File: BG064462.D
Acq: 29 Sep 2025 16:34

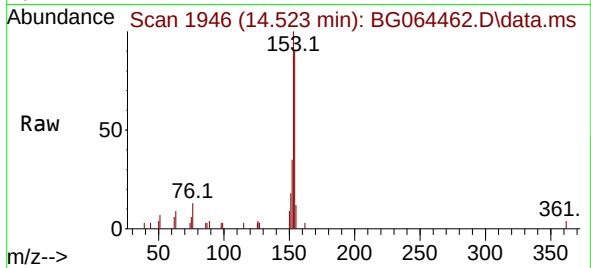
Tgt Ion:165 Resp: 9108
Ion Ratio Lower Upper
165 100
63 0.0 50.6 75.8#
89 3.1 44.6 67.0#



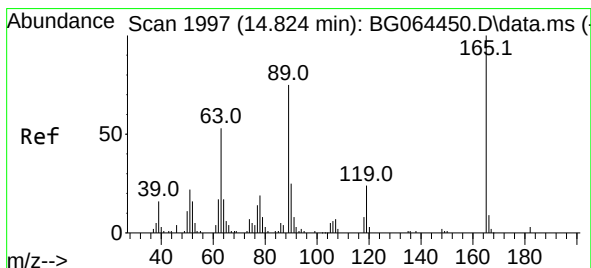
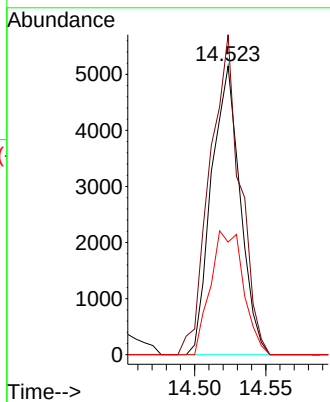
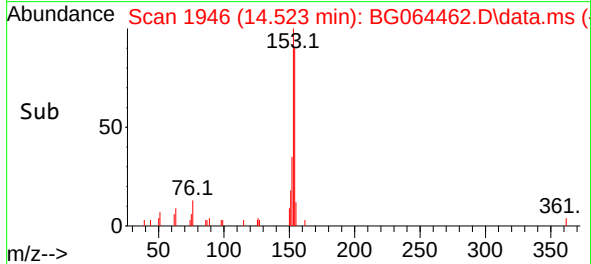


#52
Acenaphthene
Concen: 2.097 ng
RT: 14.523 min Scan# 1946
Delta R.T. -0.007 min
Lab File: BG064462.D
Acq: 29 Sep 2025 16:34

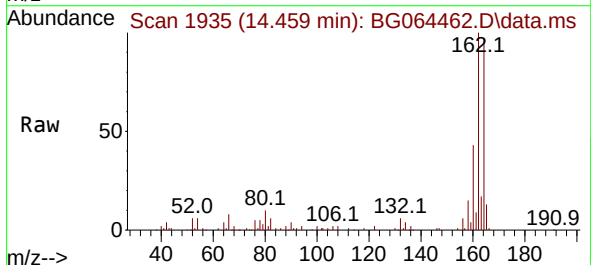
Instrument :
BNA_G
ClientSampleId :
WC-A3-01-C



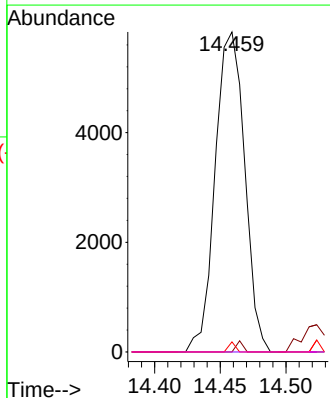
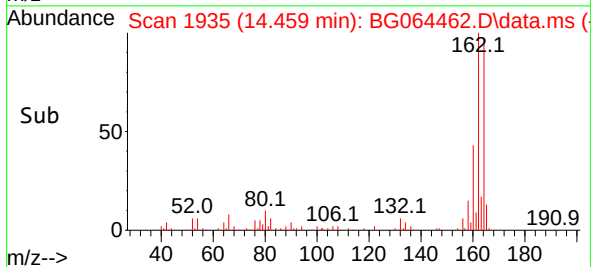
Tgt Ion:	154	Resp:	7237
Ion	Ratio	Lower	Upper
154	100		
153	110.8	88.1	132.1
152	39.0	39.0	58.4

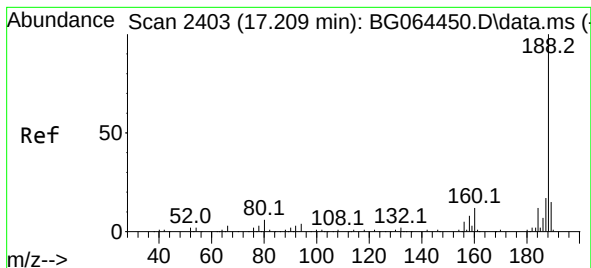


#57
2,4-Dinitrotoluene
Concen: 5.919 ng
RT: 14.459 min Scan# 1935
Delta R.T. -0.365 min
Lab File: BG064462.D
Acq: 29 Sep 2025 16:34



Tgt Ion:	165	Resp:	9108
Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.6	63.8#
89	3.1	59.7	89.5#
182	0.0	2.2	3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.197 min Scan# 2403

Delta R.T. -0.013 min

Lab File: BG064462.D

Acq: 29 Sep 2025 16:34

Instrument :

BNA_G

ClientSampleId :

WC-A3-01-C

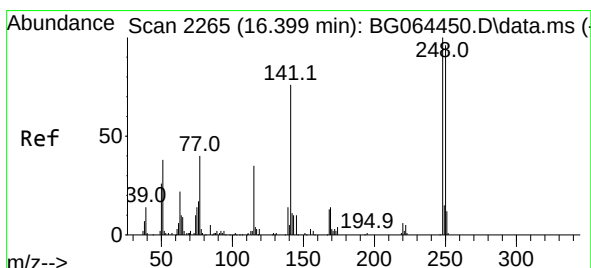
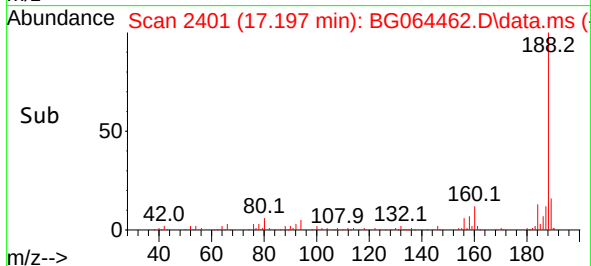
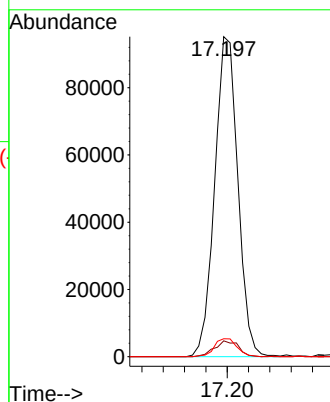
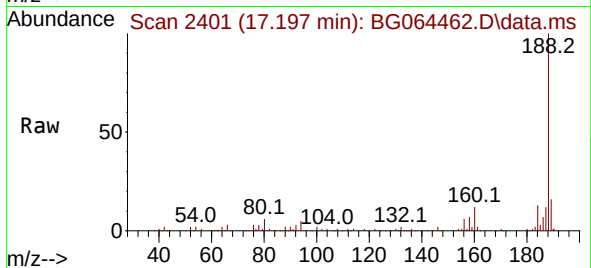
Tgt Ion:188 Resp: 143414

Ion Ratio Lower Upper

188 100

94 5.0 3.0 4.4#

80 5.6 4.9 7.3



#67

4-Bromophenyl-phenylether

Concen: 5.943 ng

RT: 15.945 min Scan# 2188

Delta R.T. -0.453 min

Lab File: BG064462.D

Acq: 29 Sep 2025 16:34

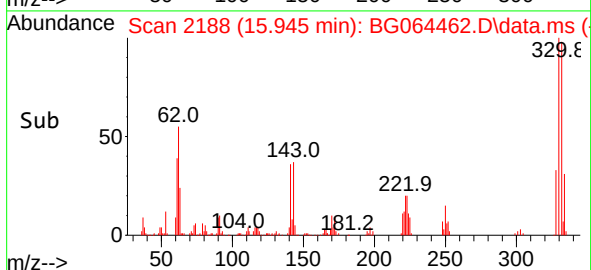
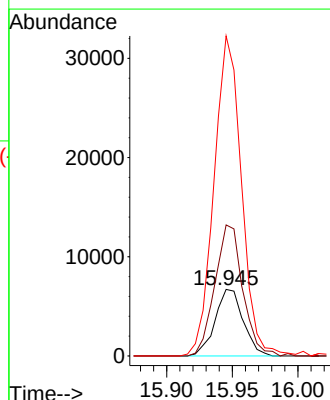
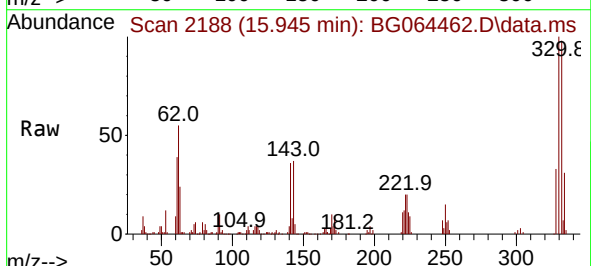
Tgt Ion:248 Resp: 9986

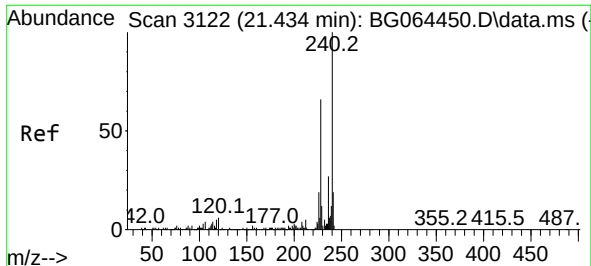
Ion Ratio Lower Upper

248 100

250 196.9 77.0 115.6#

141 480.9 61.1 91.7#

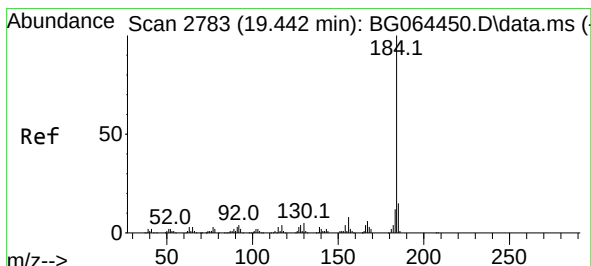
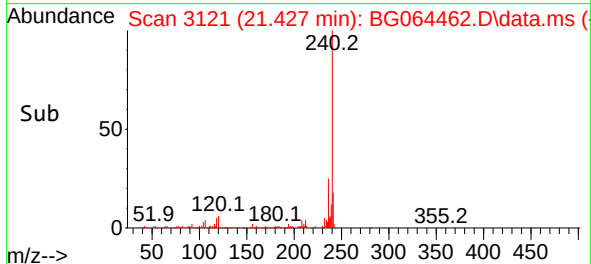
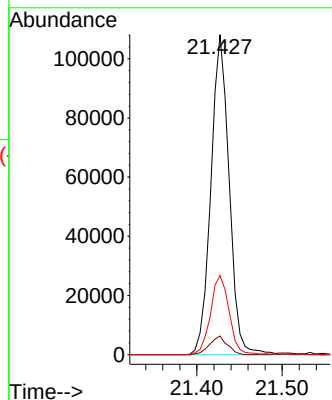
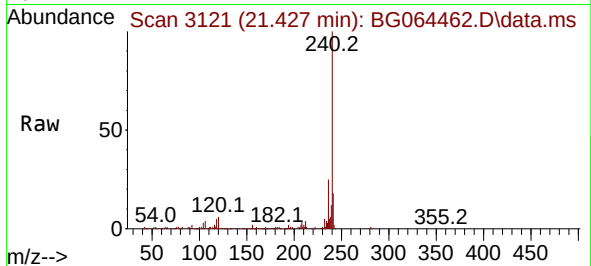




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.427 min Scan# 31
Delta R.T. -0.007 min
Lab File: BG064462.D
Acq: 29 Sep 2025 16:34

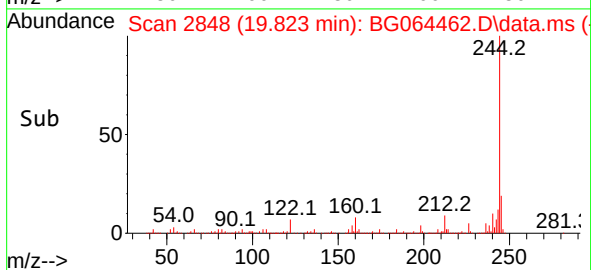
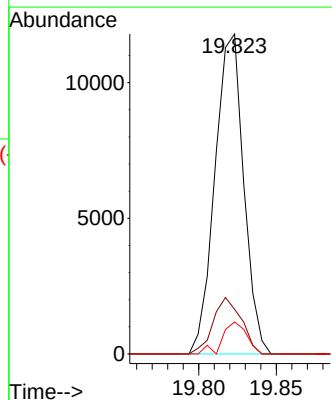
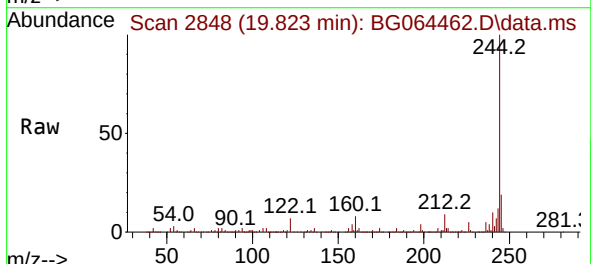
Instrument :
BNA_G
ClientSampleId :
WC-A3-01-C

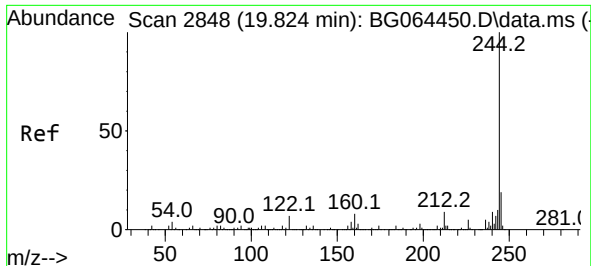
Tgt Ion:240 Resp: 161191
Ion Ratio Lower Upper
240 100
120 5.8 5.0 7.4
236 24.7 21.9 32.9



#77
Benzidine
Concen: 3.604 ng
RT: 19.823 min Scan# 2848
Delta R.T. 0.381 min
Lab File: BG064462.D
Acq: 29 Sep 2025 16:34

Tgt Ion:184 Resp: 15211
Ion Ratio Lower Upper
184 100
185 13.9 11.7 17.5
183 10.0 10.0 15.0

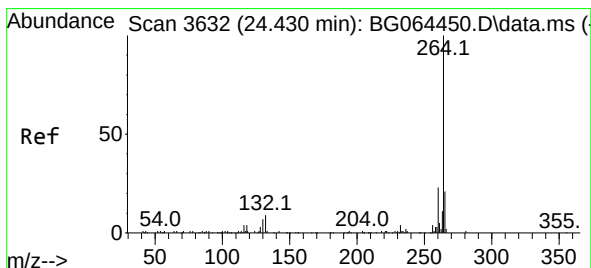
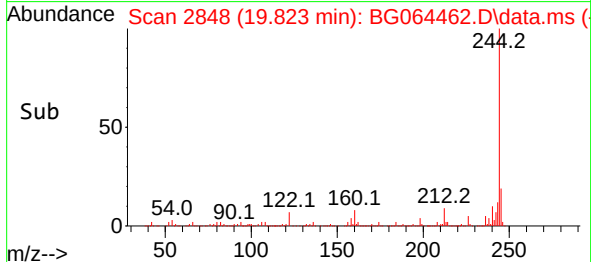
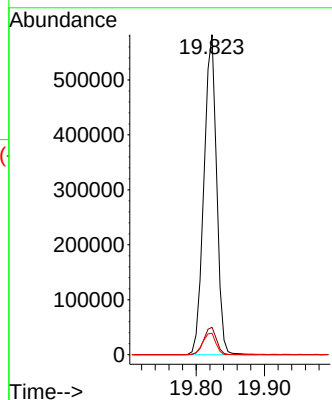
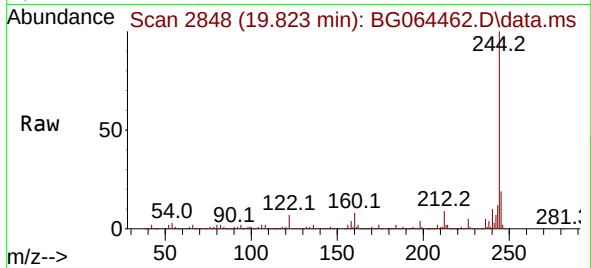




#79
 Terphenyl-d14
 Concen: 91.995 ng
 RT: 19.823 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BG064462.D
 Acq: 29 Sep 2025 16:34

Instrument :
 BNA_G
 ClientSampleId :
 WC-A3-01-C

Tgt Ion:244 Resp: 752234
 Ion Ratio Lower Upper
 244 100
 212 8.6 7.2 10.8
 122 6.7 5.7 8.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.418 min Scan# 3630
 Delta R.T. -0.013 min
 Lab File: BG064462.D
 Acq: 29 Sep 2025 16:34

Tgt Ion:264 Resp: 173694
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.6 27.8
 265 21.4 16.7 25.1

