

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102025\
 Data File : BG064550.D
 Acq On : 20 Oct 2025 15:21
 Operator : RC/JU
 Sample : Q3374-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-5-WC

Quant Time: Oct 20 15:58:01 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)

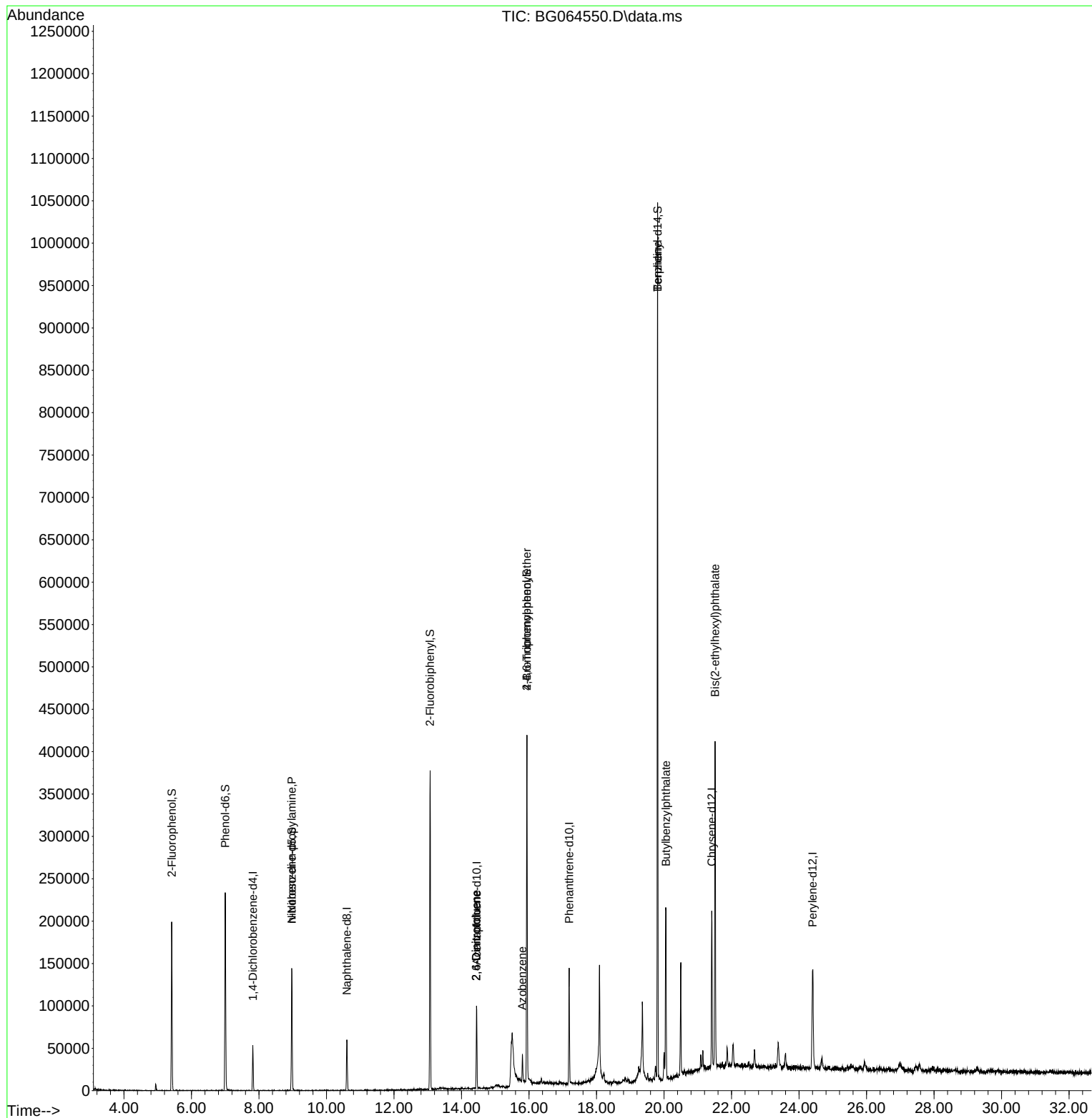
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.817	152	12903	20.000	ng	0.00
21) Naphthalene-d8	10.602	136	47601	20.000	ng	# 0.00
39) Acenaphthene-d10	14.450	164	34767	20.000	ng	0.00
64) Phenanthrene-d10	17.188	188	80263	20.000	ng	# 0.00
76) Chrysene-d12	21.412	240	108613	20.000	ng	# 0.00
86) Perylene-d12	24.397	264	122153	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.414	112	70584	101.239	ng	0.00
7) Phenol-d6	7.000	99	106626	113.804	ng	0.01
23) Nitrobenzene-d5	8.968	82	73952	83.536	ng	0.00
42) 2,4,6-Tribromophenol	15.937	330	83529	132.543	ng	0.00
45) 2-Fluorobiphenyl	13.069	172	188267	79.819	ng	0.00
79) Terphenyl-d14	19.808	244	465177	81.054	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.968	70	10648	16.993	ng	# 78
51) 2,6-Dinitrotoluene	14.438	165	4466	7.873	ng	# 12
57) 2,4-Dinitrotoluene	14.438	165	4466	5.150	ng	# 21
63) Azobenzene	15.801	77	9300	4.111	ng	# 17
67) 4-Bromophenyl-phenylether	15.937	248	5923	6.271	ng	# 1
77) Benzidine	19.808	184	9437	3.492	ng	# 93
80) Butylbenzylphthalate	20.055	149	102382	40.974	ng	# 27
84) Bis(2-ethylhexyl)phtha...	21.512	149	72031	20.431	ng	# 66

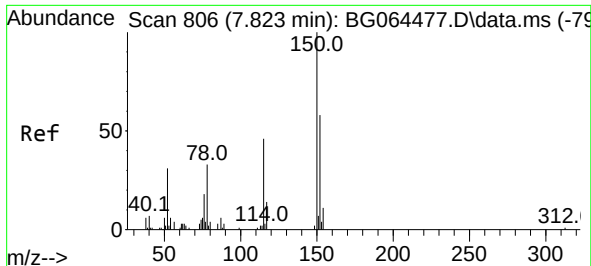
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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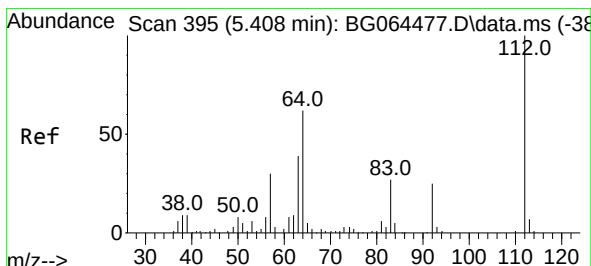
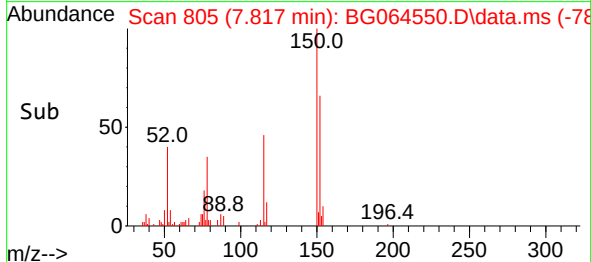
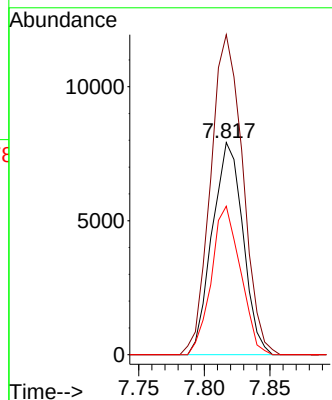
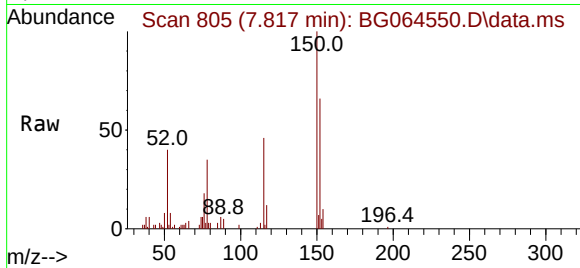




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.817 min Scan# 806
 Delta R.T. -0.003 min
 Lab File: BG064550.D
 Acq: 20 Oct 2025 15:21

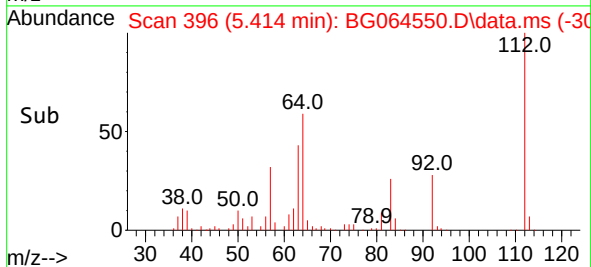
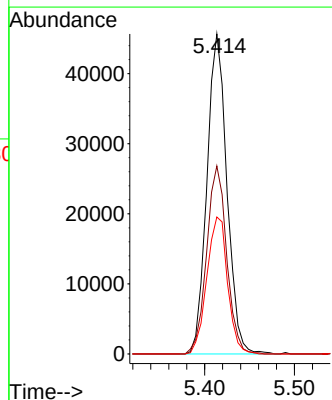
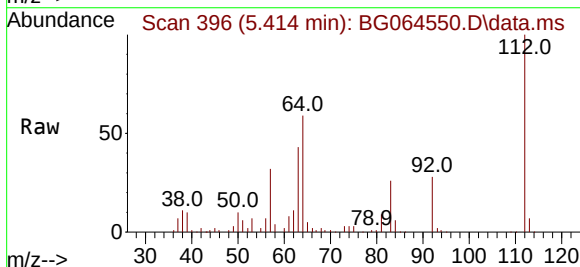
Instrument :
 BNA_G
 ClientSampleId :
 TP-5-WC

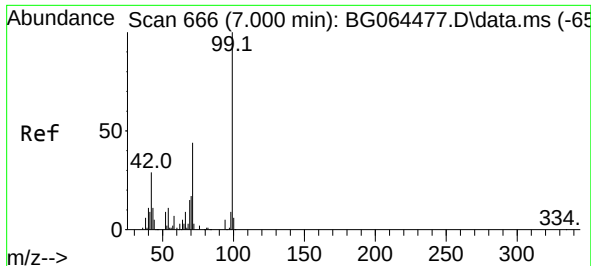
Tgt Ion:152 Resp: 12903
 Ion Ratio Lower Upper
 152 100
 150 150.8 138.6 207.8
 115 70.0 63.4 95.2



#5
 2-Fluorophenol
 Concen: 101.239 ng
 RT: 5.414 min Scan# 396
 Delta R.T. 0.008 min
 Lab File: BG064550.D
 Acq: 20 Oct 2025 15:21

Tgt Ion:112 Resp: 70584
 Ion Ratio Lower Upper
 112 100
 64 58.7 49.8 74.8
 63 42.8 31.3 46.9

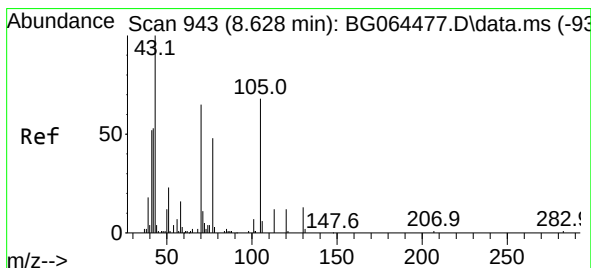
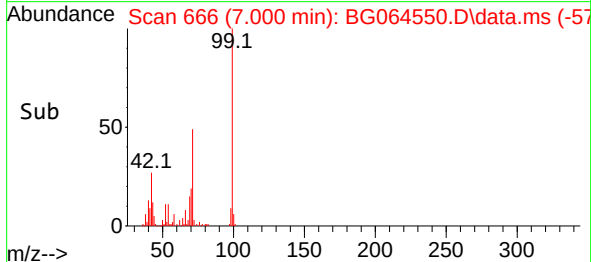
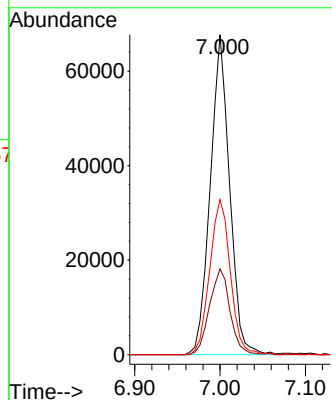
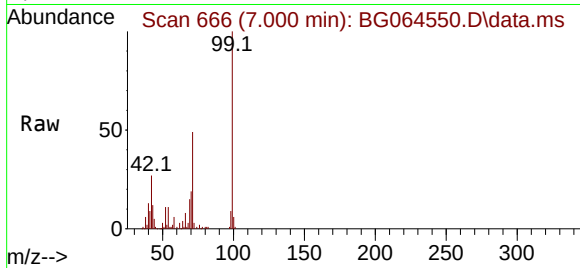




#7
Phenol-d6
Concen: 113.804 ng
RT: 7.000 min Scan# 60
Delta R.T. 0.014 min
Lab File: BG064550.D
Acq: 20 Oct 2025 15:21

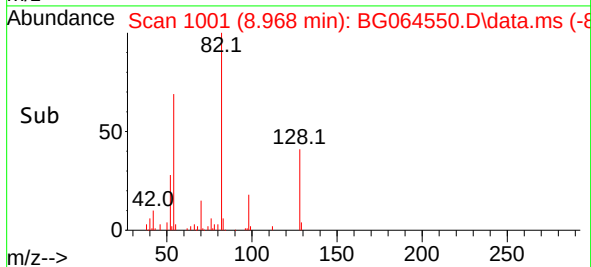
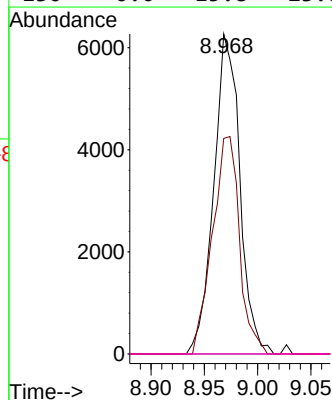
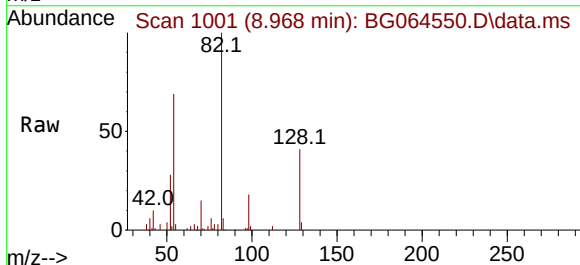
Instrument :
BNA_G
ClientSampleId :
TP-5-WC

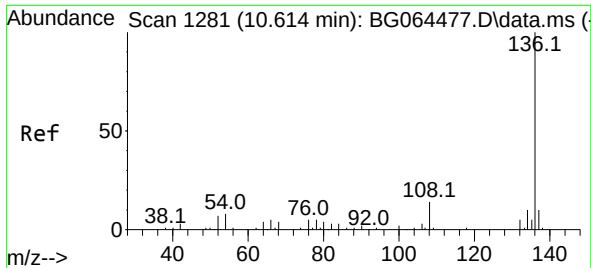
Tgt Ion: 99 Resp: 106626
Ion Ratio Lower Upper
99 100
42 26.8 22.9 34.3
71 48.5 35.4 53.2



#19
n-Nitroso-di-n-propylamine
Concen: 16.993 ng
RT: 8.968 min Scan# 1001
Delta R.T. 0.355 min
Lab File: BG064550.D
Acq: 20 Oct 2025 15:21

Tgt Ion: 70 Resp: 10648
Ion Ratio Lower Upper
70 100
42 67.3 64.9 97.3
101 0.0 8.7 13.1#
130 0.0 15.8 23.8#

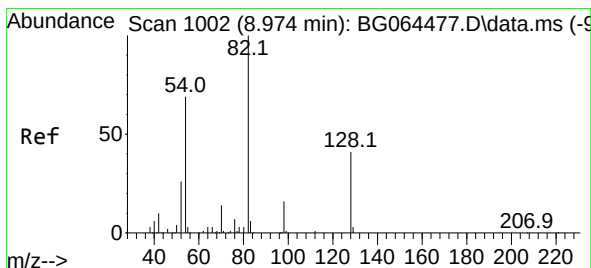
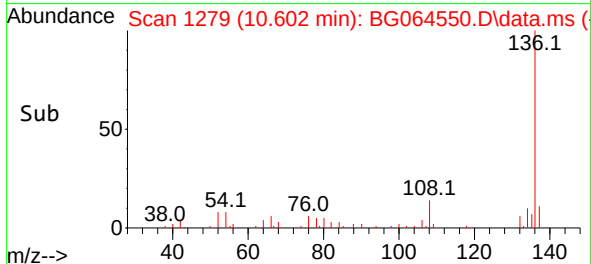
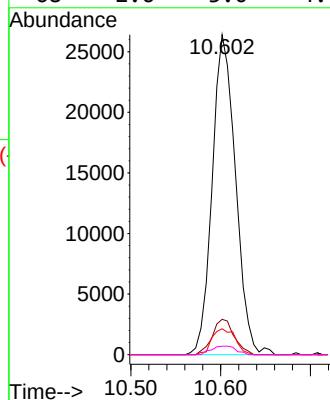
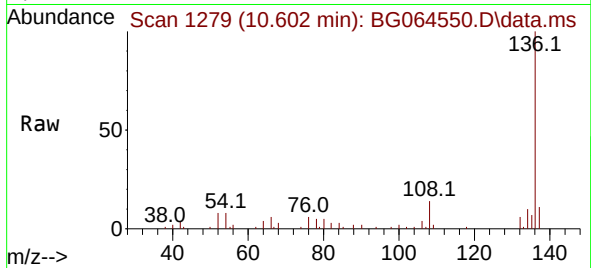




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.602 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG064550.D
Acq: 20 Oct 2025 15:21

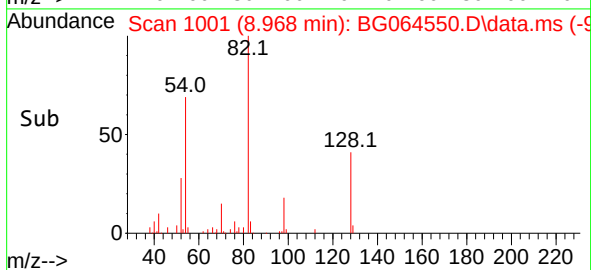
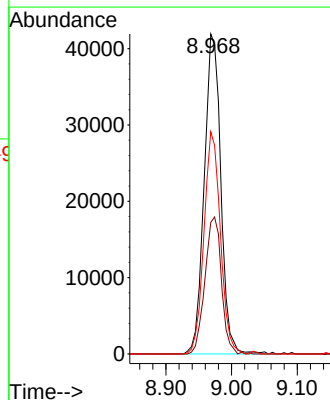
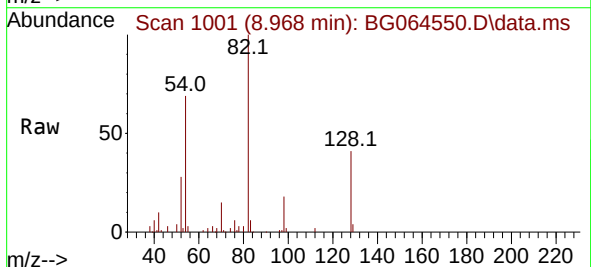
Instrument :
BNA_G
ClientSampleId :
TP-5-WC

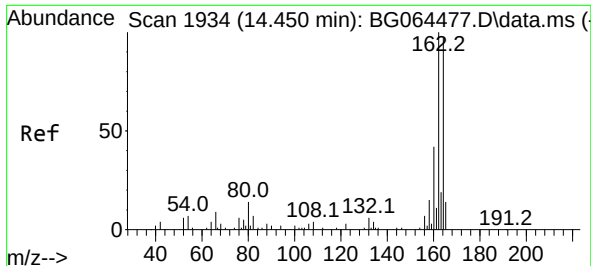
Tgt Ion:	136	Resp:	47601
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.3	12.5
54	8.1	6.2	9.4
68	2.6	3.0	4.4



#23
Nitrobenzene-d5
Concen: 83.536 ng
RT: 8.968 min Scan# 1001
Delta R.T. 0.002 min
Lab File: BG064550.D
Acq: 20 Oct 2025 15:21

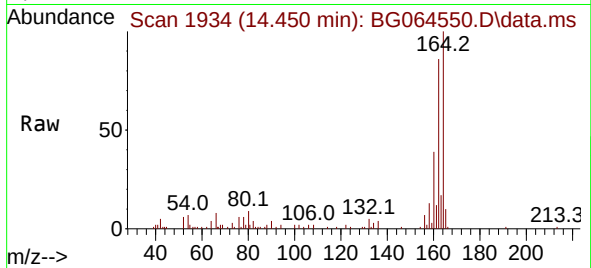
Tgt Ion:	82	Resp:	73952
Ion	Ratio	Lower	Upper
82	100		
128	41.1	33.1	49.7
54	69.4	55.4	83.2



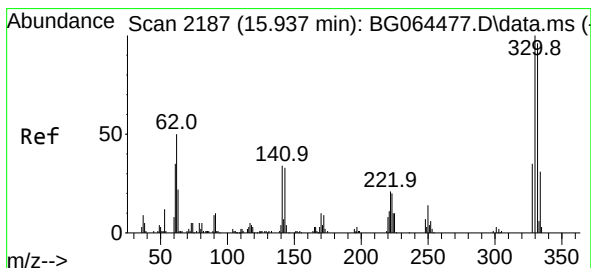
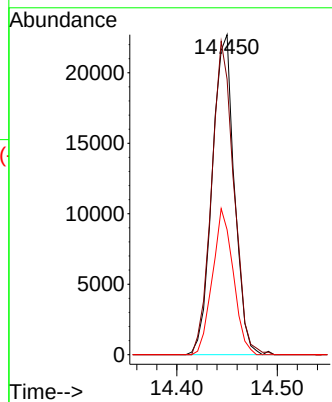
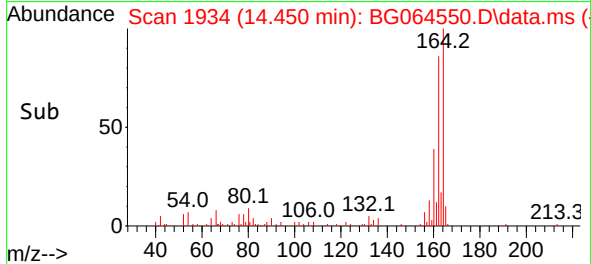


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.450 min Scan# 1934
Delta R.T. 0.002 min
Lab File: BG064550.D
Acq: 20 Oct 2025 15:21

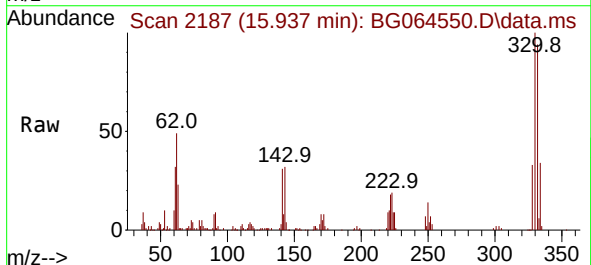
Instrument :
BNA_G
ClientSampleId :
TP-5-WC



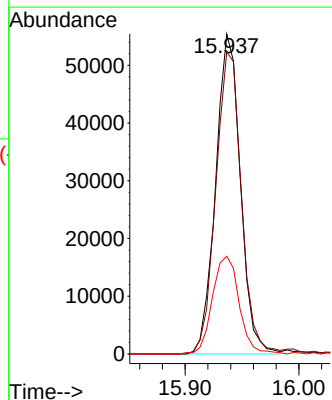
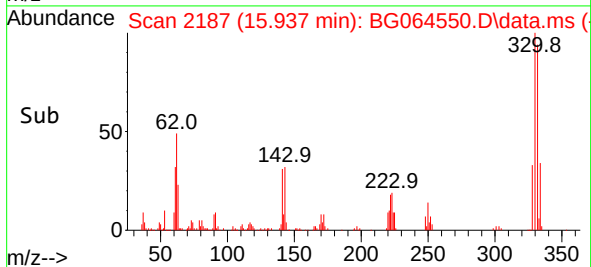
Tgt Ion:164 Resp: 34767
Ion Ratio Lower Upper
164 100
162 86.1 82.2 123.2
160 39.0 34.3 51.5

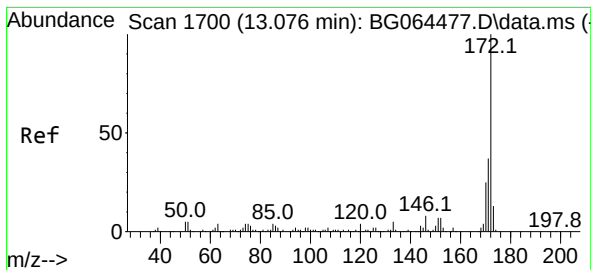


#42
2,4,6-Tribromophenol
Concen: 132.543 ng
RT: 15.937 min Scan# 2187
Delta R.T. 0.002 min
Lab File: BG064550.D
Acq: 20 Oct 2025 15:21



Tgt Ion:330 Resp: 83529
Ion Ratio Lower Upper
330 100
332 98.8 77.4 116.0
141 32.9 25.8 38.6





#45

2-Fluorobiphenyl

Concen: 79.819 ng

RT: 13.069 min Scan# 1

Delta R.T. 0.002 min

Lab File: BG064550.D

Acq: 20 Oct 2025 15:21

Instrument :

BNA_G

ClientSampleId :

TP-5-WC

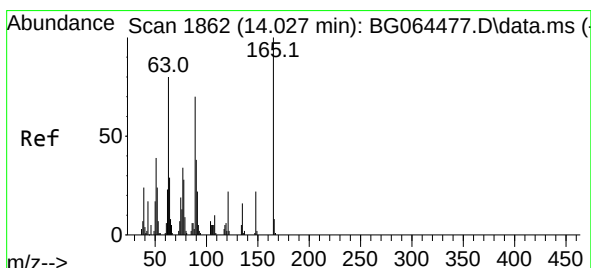
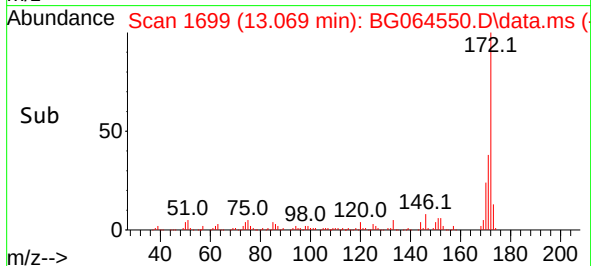
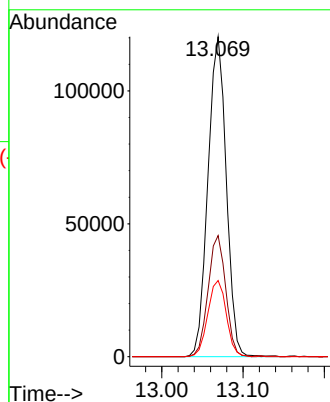
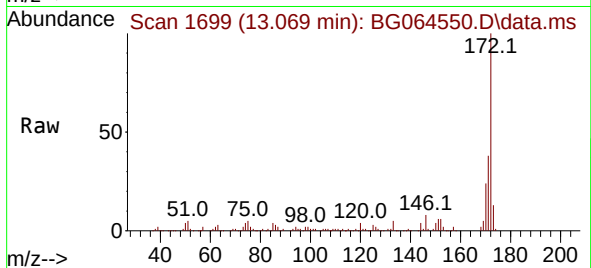
Tgt Ion:172 Resp: 188267

Ion Ratio Lower Upper

172 100

171 37.8 29.6 44.4

170 23.8 20.2 30.2



#51

2,6-Dinitrotoluene

Concen: 7.873 ng

RT: 14.438 min Scan# 1932

Delta R.T. 0.419 min

Lab File: BG064550.D

Acq: 20 Oct 2025 15:21

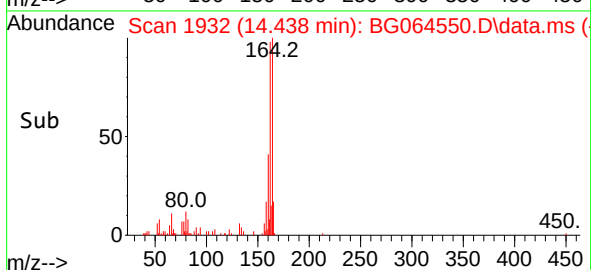
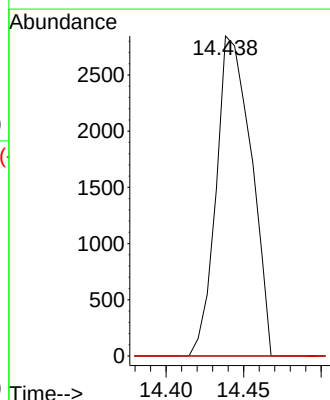
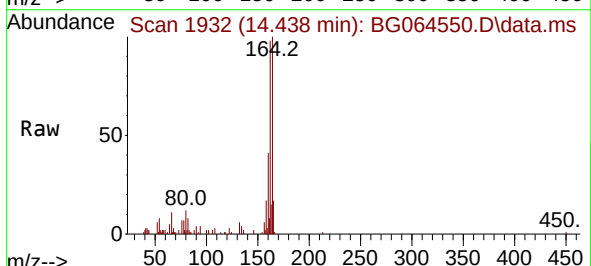
Tgt Ion:165 Resp: 4466

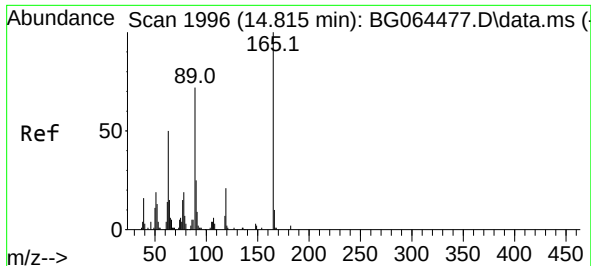
Ion Ratio Lower Upper

165 100

63 0.0 63.9 95.9#

89 0.0 56.1 84.1#





#57

2,4-Dinitrotoluene

Concen: 5.150 ng

RT: 14.438 min Scan# 1996

Delta R.T. -0.374 min

Lab File: BG064550.D

Acq: 20 Oct 2025 15:21

Instrument :

BNA_G

ClientSampleId :

TP-5-WC

Tgt Ion:165 Resp: 4466

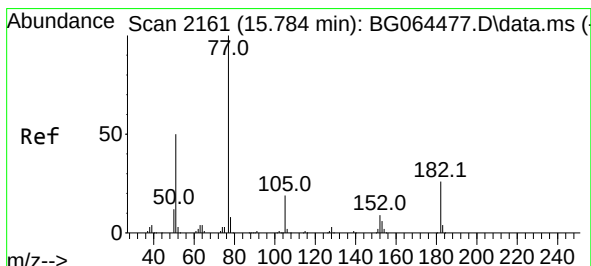
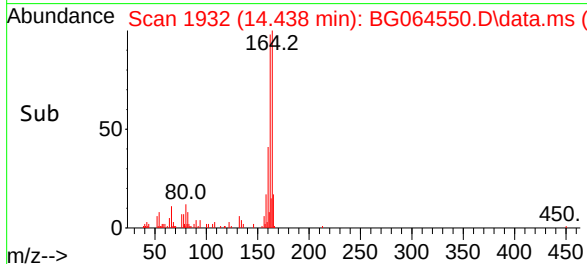
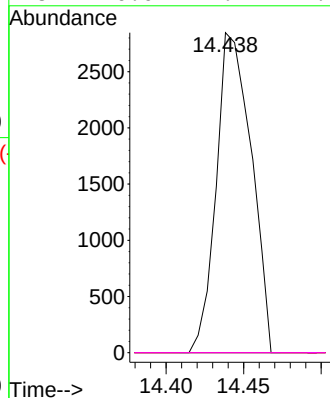
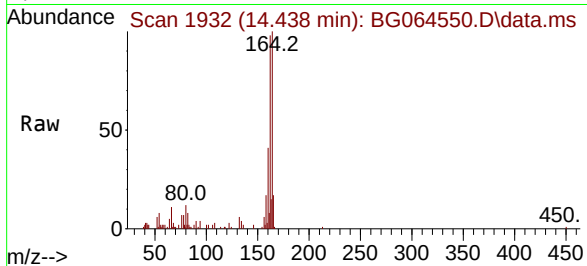
Ion Ratio Lower Upper

165 100

63 0.0 40.4 60.6#

89 0.0 57.3 85.9#

182 0.0 1.9 2.9#



#63

Azobenzene

Concen: 4.111 ng

RT: 15.801 min Scan# 2164

Delta R.T. 0.020 min

Lab File: BG064550.D

Acq: 20 Oct 2025 15:21

Tgt Ion: 77 Resp: 9300

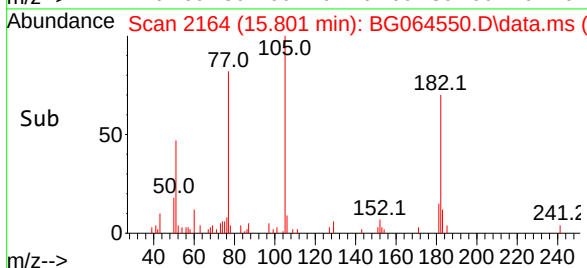
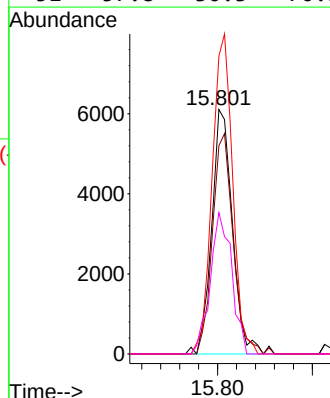
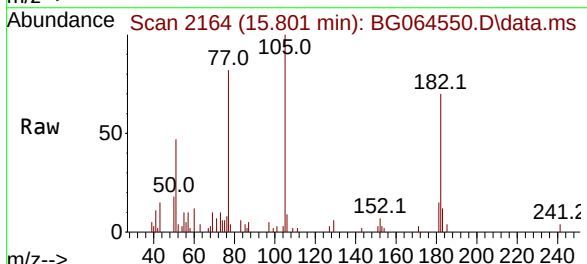
Ion Ratio Lower Upper

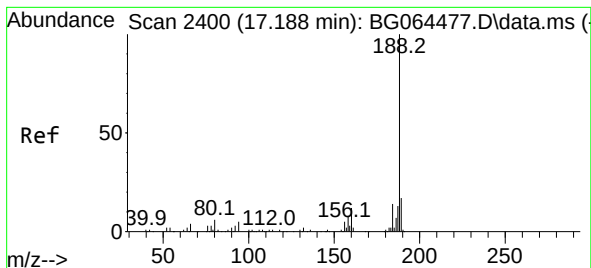
77 100

182 85.2 6.3 46.3#

105 121.8 0.0 38.7#

51 57.8 30.3 70.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.188 min Scan# 2400

Delta R.T. 0.002 min

Lab File: BG064550.D

Acq: 20 Oct 2025 15:21

Instrument :

BNA_G

ClientSampleId :

TP-5-WC

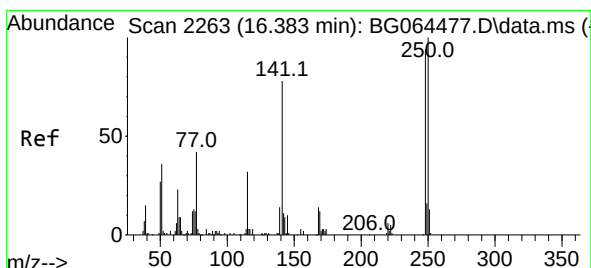
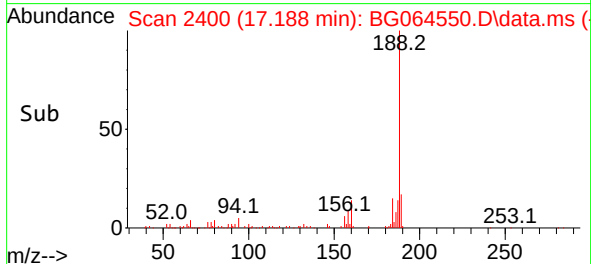
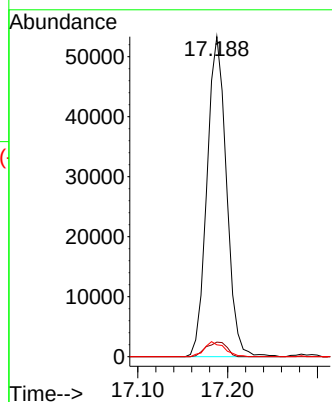
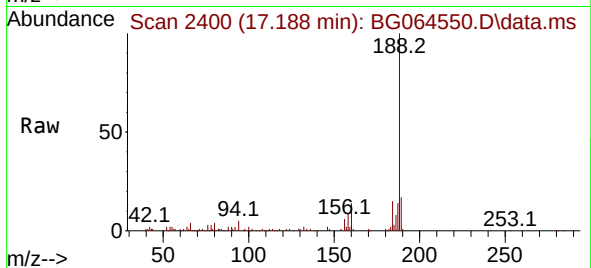
Tgt Ion:188 Resp: 80263

Ion Ratio Lower Upper

188 100

94 4.5 3.7 5.5

80 3.7 4.5 6.7#



#67

4-Bromophenyl-phenylether

Concen: 6.271 ng

RT: 15.937 min Scan# 2187

Delta R.T. -0.445 min

Lab File: BG064550.D

Acq: 20 Oct 2025 15:21

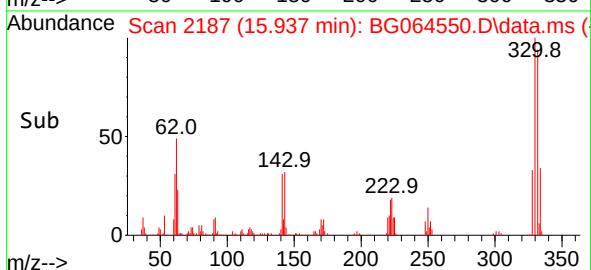
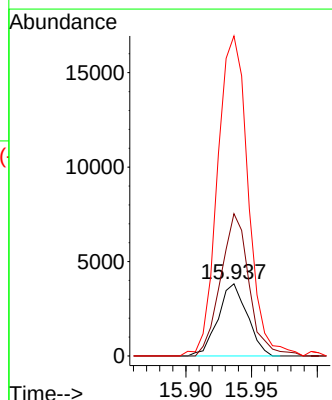
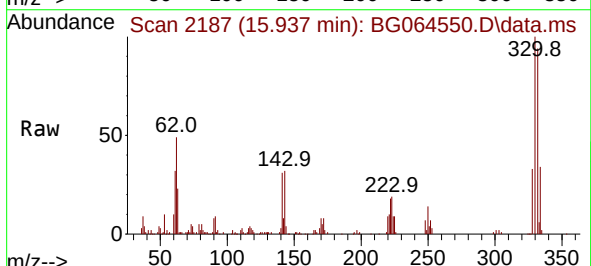
Tgt Ion:248 Resp: 5923

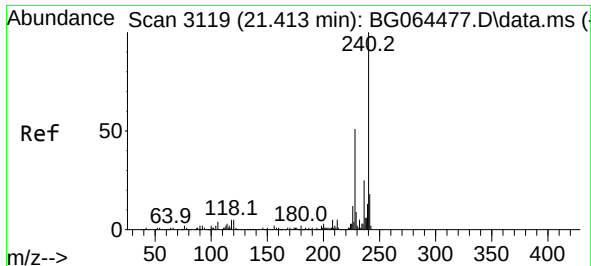
Ion Ratio Lower Upper

248 100

250 197.1 85.3 127.9#

141 443.4 66.2 99.2#

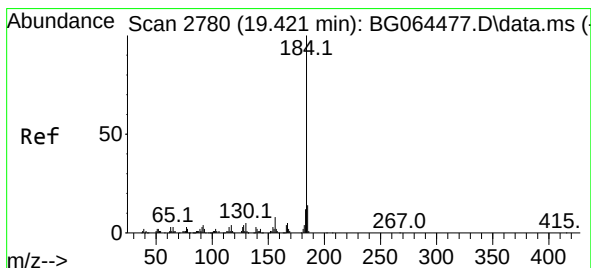
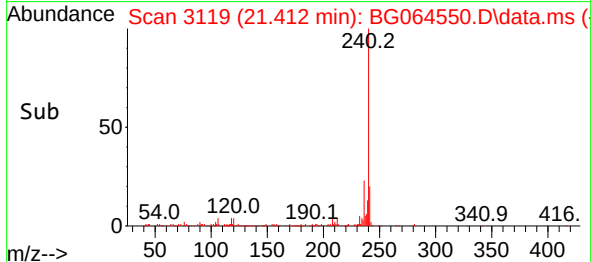
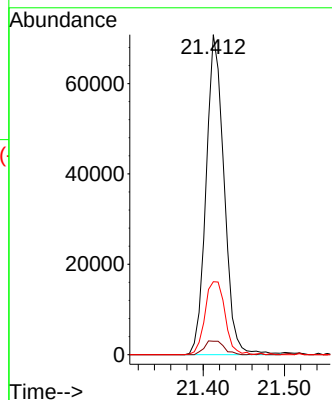
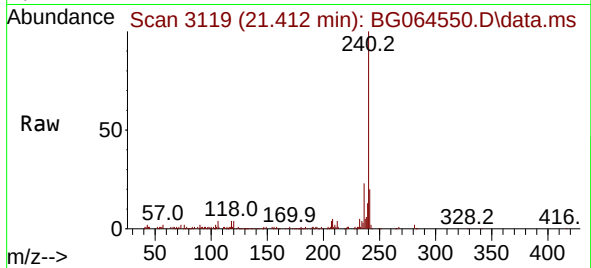




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.412 min Scan# 3119
Delta R.T. 0.002 min
Lab File: BG064550.D
Acq: 20 Oct 2025 15:21

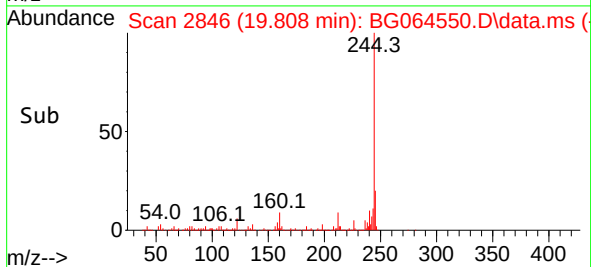
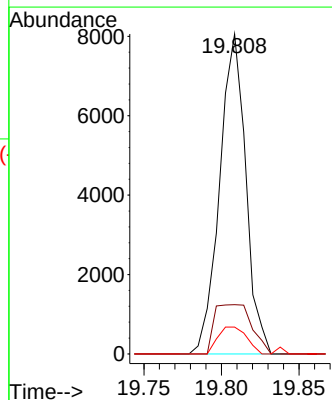
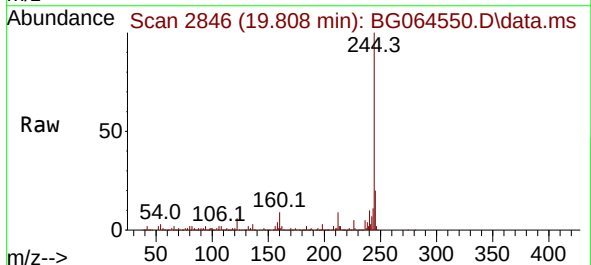
Instrument :
BNA_G
ClientSampleId :
TP-5-WC

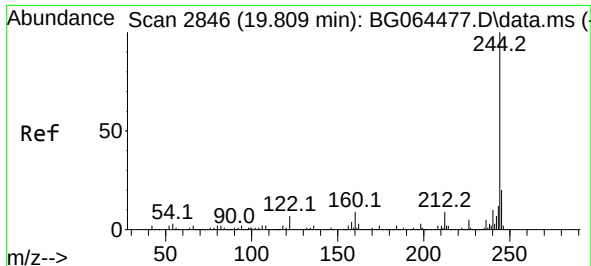
Tgt Ion:240 Resp: 108613
Ion Ratio Lower Upper
240 100
120 4.2 4.3 6.5#
236 22.8 20.4 30.6



#77
Benzidine
Concen: 3.492 ng
RT: 19.808 min Scan# 2846
Delta R.T. 0.383 min
Lab File: BG064550.D
Acq: 20 Oct 2025 15:21

Tgt Ion:184 Resp: 9437
Ion Ratio Lower Upper
184 100
185 15.4 10.9 16.3
183 8.4 9.8 14.6#

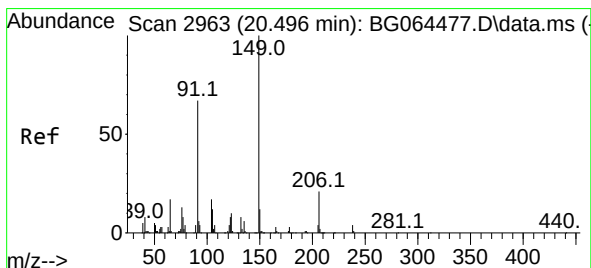
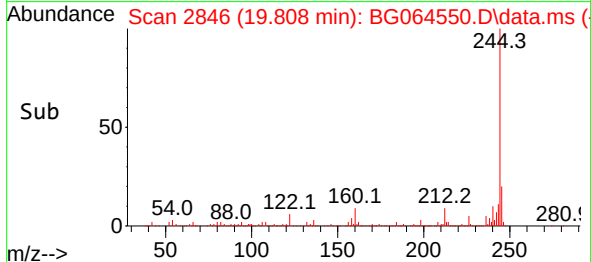
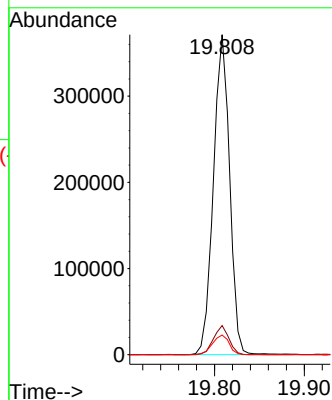
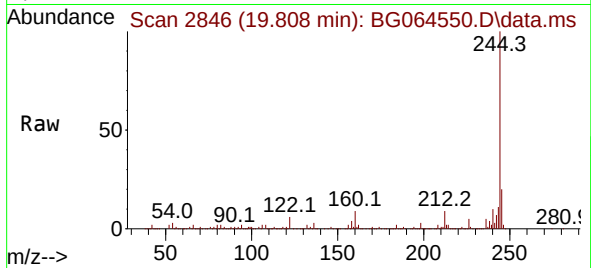




#79
 Terphenyl-d14
 Concen: 81.054 ng
 RT: 19.808 min Scan# 21
 Delta R.T. 0.002 min
 Lab File: BG064550.D
 Acq: 20 Oct 2025 15:21

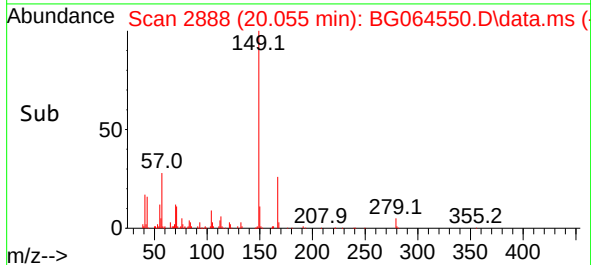
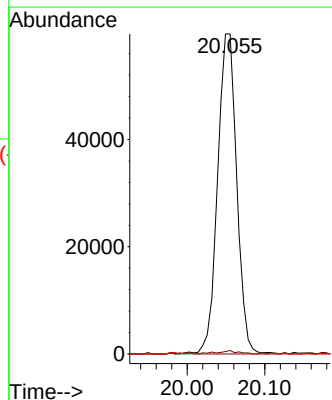
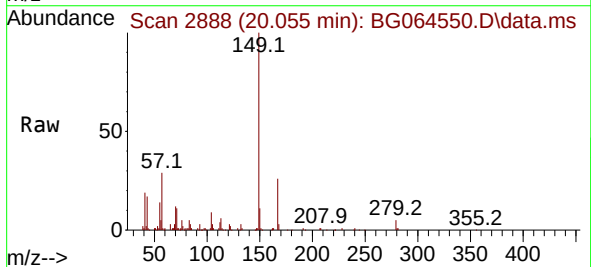
Instrument :
 BNA_G
 ClientSampleId :
 TP-5-WC

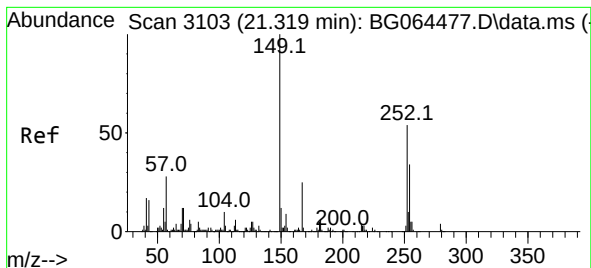
Tgt Ion:244 Resp: 465177
 Ion Ratio Lower Upper
 244 100
 212 9.1 7.0 10.6
 122 6.1 5.6 8.4



#80
 Butylbenzylphthalate
 Concen: 40.974 ng
 RT: 20.055 min Scan# 2888
 Delta R.T. -0.445 min
 Lab File: BG064550.D
 Acq: 20 Oct 2025 15:21

Tgt Ion:149 Resp: 102382
 Ion Ratio Lower Upper
 149 100
 91 1.1 53.7 80.5#
 206 0.0 16.6 24.8#





#84

Bis(2-ethylhexyl)phthalate

Concen: 20.431 ng

RT: 21.512 min Scan# 3103

Delta R.T. 0.196 min

Lab File: BG064550.D

Acq: 20 Oct 2025 15:21

Instrument :

BNA_G

ClientSampleId :

TP-5-WC

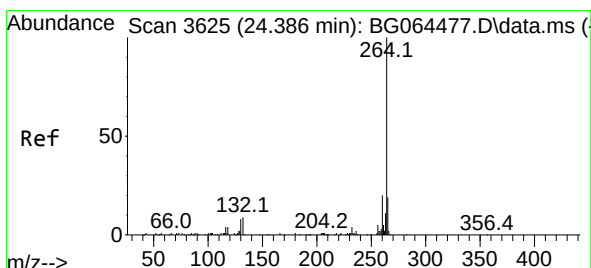
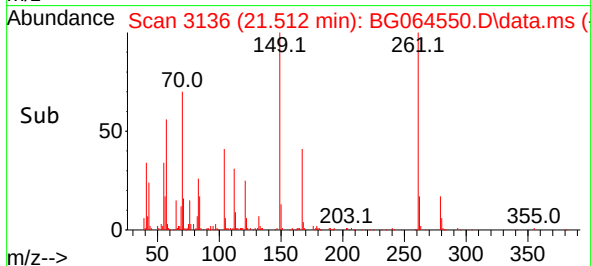
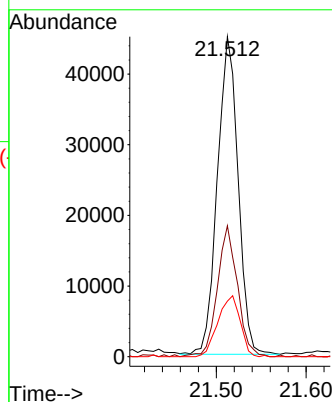
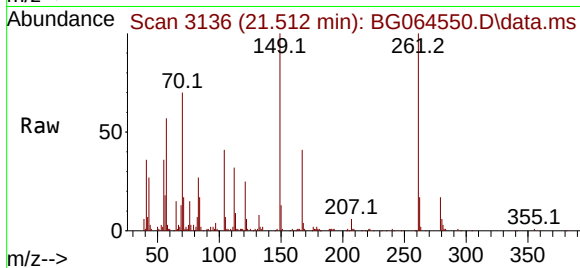
Tgt Ion:149 Resp: 72031

Ion Ratio Lower Upper

149 100

167 40.9 19.7 29.5#

279 17.3 3.4 5.2#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.397 min Scan# 3627

Delta R.T. 0.008 min

Lab File: BG064550.D

Acq: 20 Oct 2025 15:21

Tgt Ion:264 Resp: 122153

Ion Ratio Lower Upper

264 100

260 21.6 16.2 24.4

265 18.6 15.0 22.4

