

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
 Data File : BG064631.D
 Acq On : 29 Oct 2025 20:18
 Operator : RC/JU
 Sample : Q3468-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-10

Quant Time: Oct 30 04:59:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 16:40:26 2025
 Response via : Initial Calibration

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

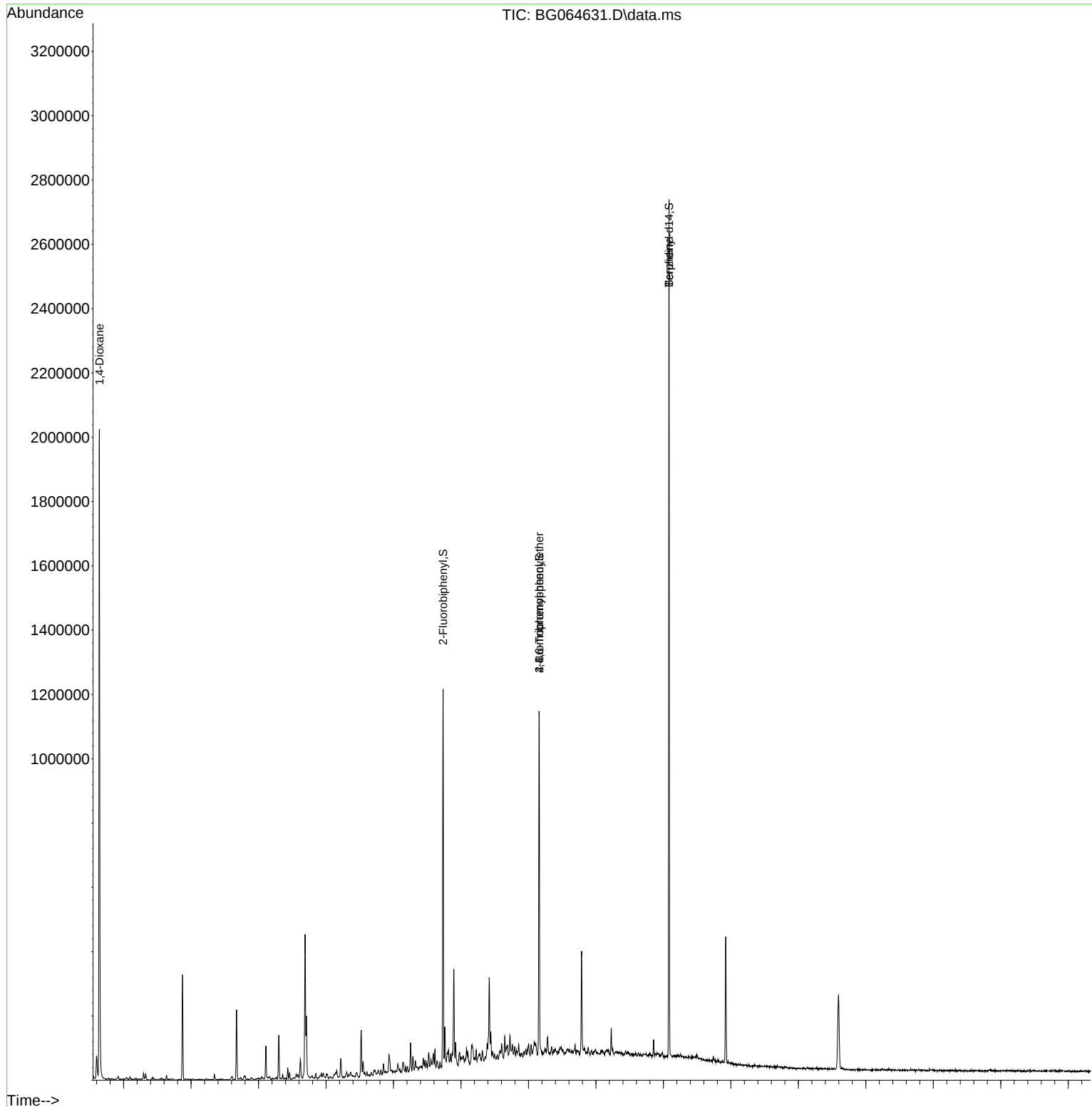
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.217	152	27605	20.000	ng	0.00
21) Naphthalene-d8	11.043	136	111146	20.000	ng	0.00
39) Acenaphthene-d10	14.839	164	81763	20.000	ng	# 0.00
64) Phenanthrene-d10	17.577	188	192626	20.000	ng	0.00
76) Chrysene-d12	21.848	240	251896	20.000	ng	#-0.02
86) Perylene-d12	25.185	264	278585	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.744	112	128855	78.349	ng	0.00
7) Phenol-d6	7.348	99	110097	48.785	ng	0.00
23) Nitrobenzene-d5	9.380	82	244576	132.167	ng	0.00
42) 2,4,6-Tribromophenol	16.319	330	229163	194.192	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	592894	109.912	ng	0.00
79) Terphenyl-d14	20.168	244	1386807	103.897	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.282	88	16472	22.623	ng	# 1
18) Hexachloroethane	9.416	117	103422	146.288	ng	# 1
19) n-Nitroso-di-n-propyla...	9.380	70	33922	21.750	ng	# 71
24) Nitrobenzene	9.422	77	6259	3.110	ng	# 1
26) 2-Nitrophenol	9.633	139	62	3.205	ng	# 29
32) Benzoic acid	10.268	122	55	6.965	ng	# 15
48) 2-Nitroaniline	13.957	65	1305	4.051	ng	# 36
51) 2,6-Dinitrotoluene	14.445	165	762	3.882	ng	# 65
57) 2,4-Dinitrotoluene	15.203	165	397	3.284	ng	# 38
65) 4,6-Dinitro-2-methylph...	16.020	198	64	5.494	ng	# 1
67) 4-Bromophenyl-phenylether	16.319	248	14963	6.555	ng	# 1
77) Benzidine	20.168	184	22541	3.994	ng	98

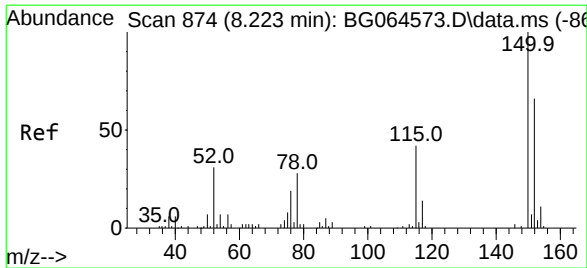
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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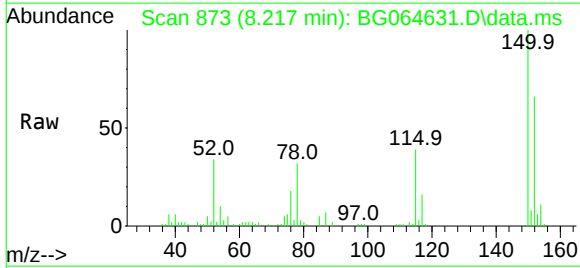
Quant Time: Oct 30 04:59:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
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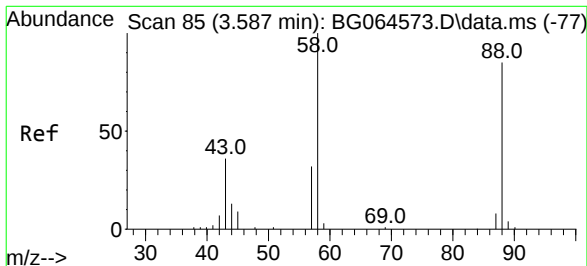
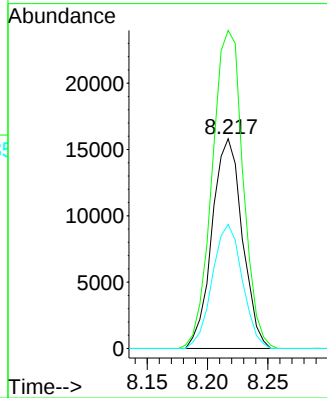
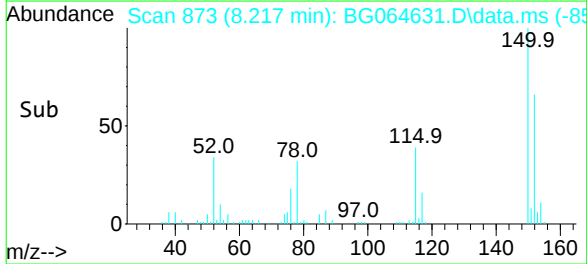


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.217 min Scan# 87
Delta R.T. -0.004 min
Lab File: BG064631.D
Acq: 29 Oct 2025 20:18

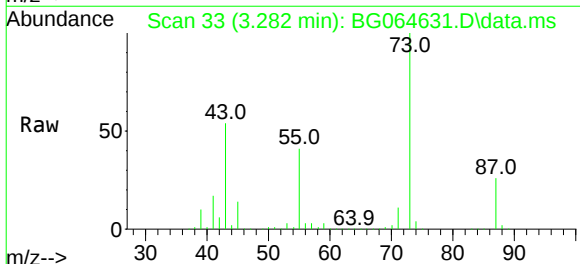
Instrument :
BNA_G
ClientSampleId :
MW-10



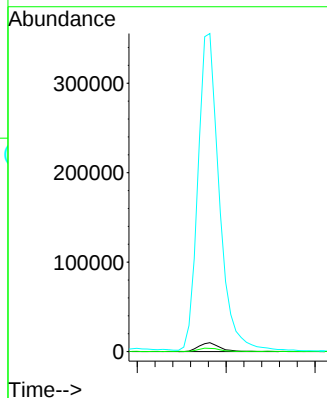
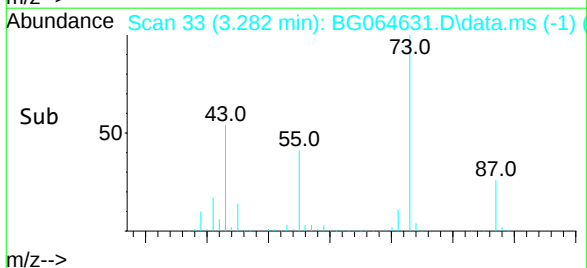
Tgt Ion:152 Resp: 27605
Ion Ratio Lower Upper
152 100
150 151.7 122.2 183.4
115 59.2 50.8 76.2

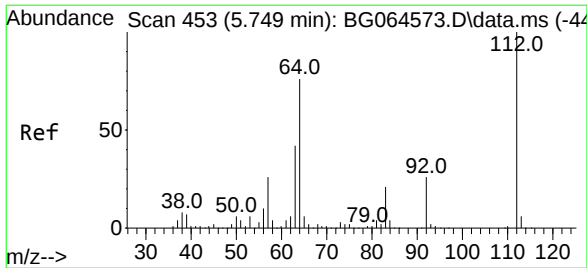


#2
1,4-Dioxane
Concen: 22.623 ng
RT: 3.282 min Scan# 33
Delta R.T. -0.309 min
Lab File: BG064631.D
Acq: 29 Oct 2025 20:18



Tgt Ion: 88 Resp: 16472
Ion Ratio Lower Upper
88 100
58 44.1 92.4 138.6#
43 3602.8 33.0 49.6#

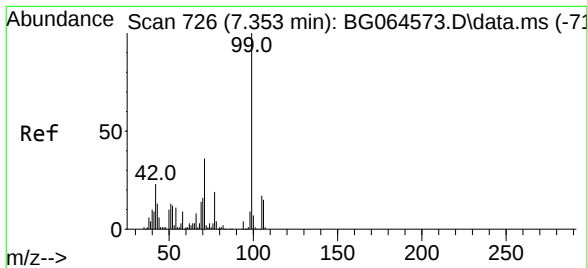
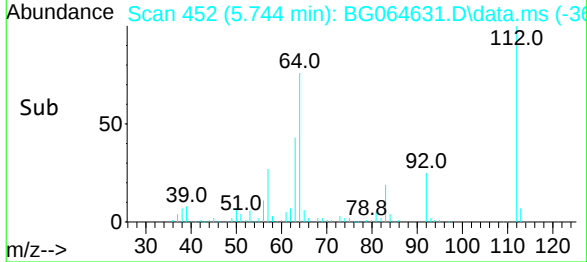
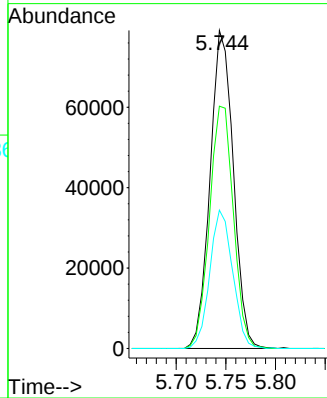
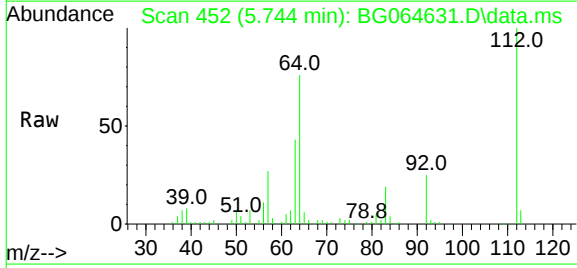




2-Fluorophenol
 Concen: 78.349 ng
 RT: 5.744 min Scan# 45
 Delta R.T. -0.003 min
 Lab File: BG064631.D
 Acq: 29 Oct 2025 20:18

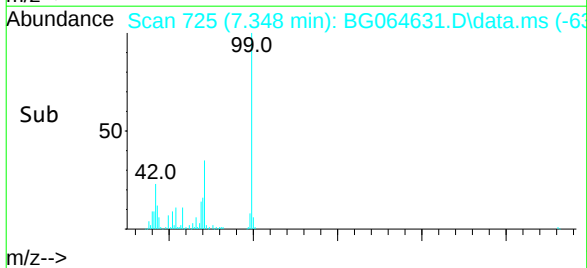
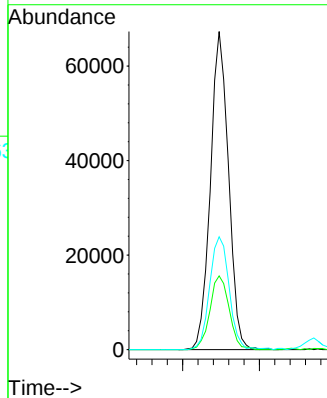
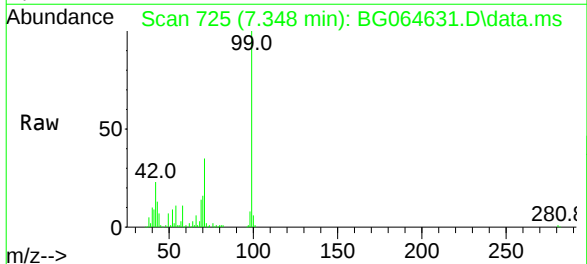
Instrument :
 BNA_G
 ClientSampleId :
 MW-10

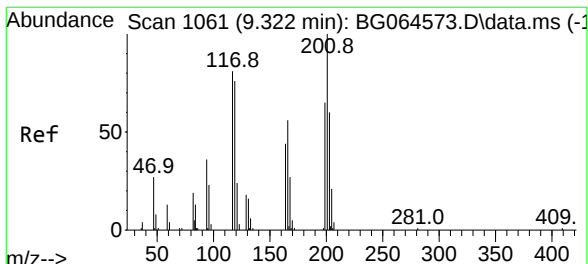
Tgt Ion:	112	Resp:	128855
Ion	Ratio	Lower	Upper
112	100		
64	76.2	60.7	91.1
63	43.5	33.4	50.0



Phenol-d6
 Concen: 48.785 ng
 RT: 7.348 min Scan# 725
 Delta R.T. -0.009 min
 Lab File: BG064631.D
 Acq: 29 Oct 2025 20:18

Tgt Ion:	99	Resp:	110097
Ion	Ratio	Lower	Upper
99	100		
42	23.2	18.3	27.5
71	35.5	28.6	43.0



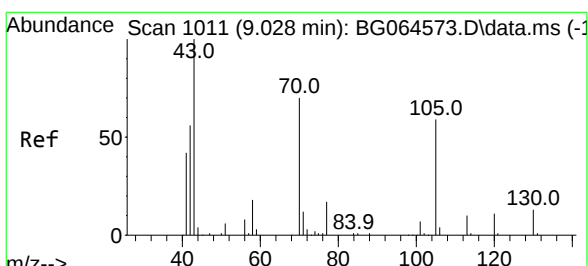
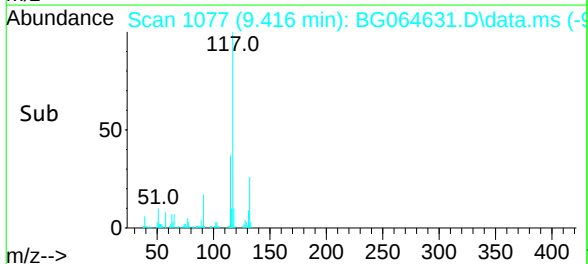
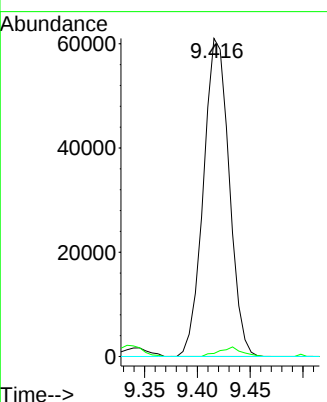
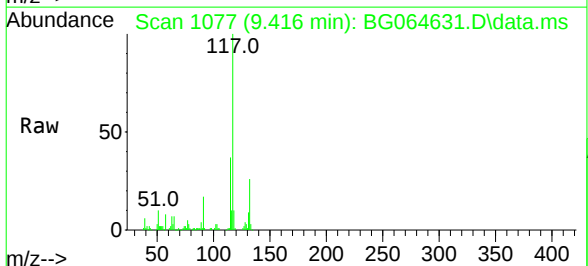


#18
 Hexachloroethane
 Concen: 146.288 ng
 RT: 9.416 min Scan# 1077
 Delta R.T. 0.091 min
 Lab File: BG064631.D
 Acq: 29 Oct 2025 20:18

Instrument :
 BNA_G
 ClientSampleId :
 MW-10

Tgt Ion: 117 Resp: 103422

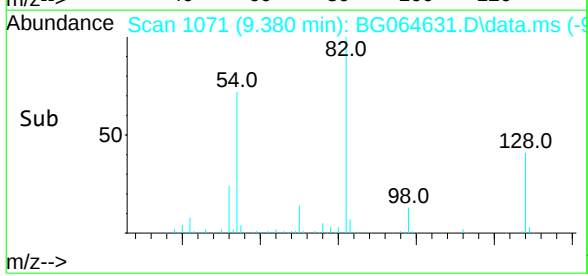
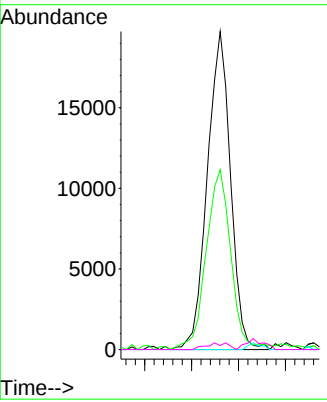
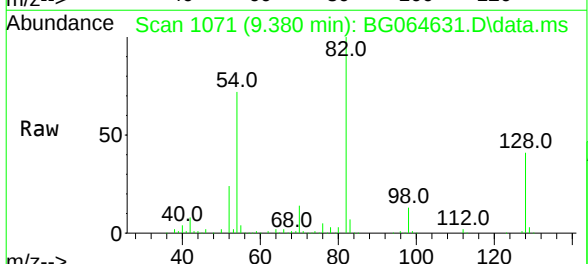
Ion	Ratio	Lower	Upper
117	100		
119	1.0	75.4	113.2#
201	0.0	99.2	148.8#

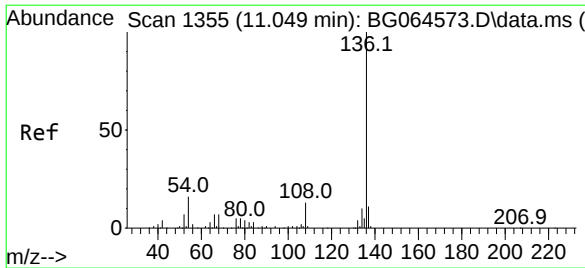


#19
 n-Nitroso-di-n-propylamine
 Concen: 21.750 ng
 RT: 9.380 min Scan# 1071
 Delta R.T. 0.349 min
 Lab File: BG064631.D
 Acq: 29 Oct 2025 20:18

Tgt Ion: 70 Resp: 33922

Ion	Ratio	Lower	Upper
70	100		
42	56.6	65.2	97.8#
101	0.0	7.9	11.9#
130	1.3	14.3	21.5#

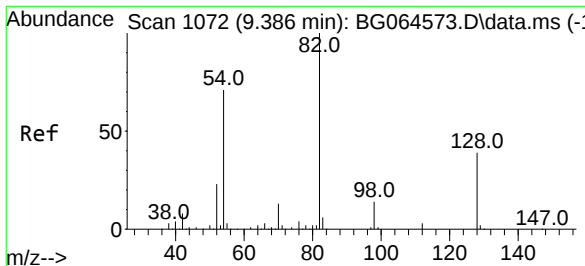
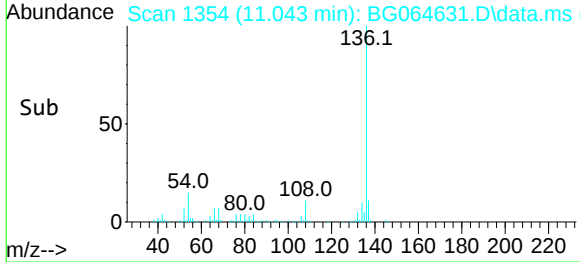
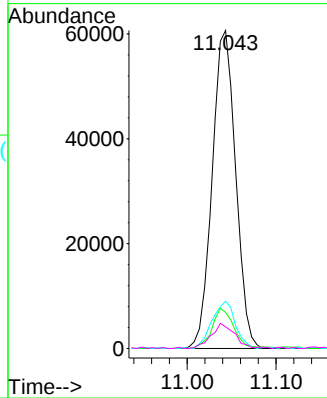
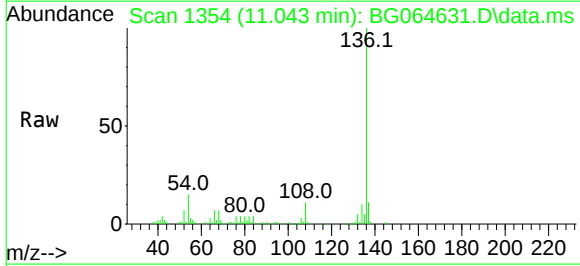




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.043 min Scan# 1355
Delta R.T. -0.009 min
Lab File: BG064631.D
Acq: 29 Oct 2025 20:18

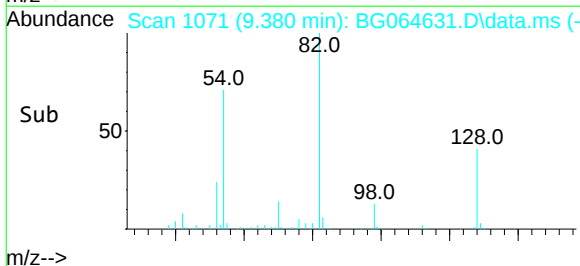
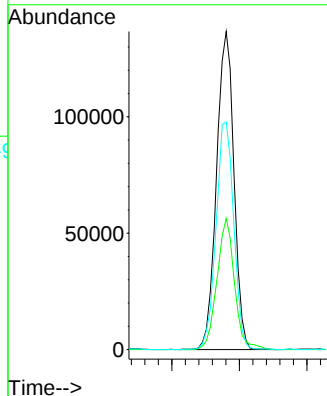
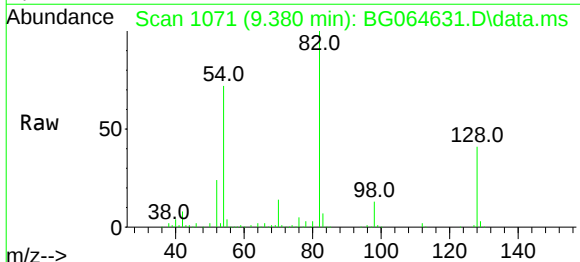
Instrument :
BNA_G
ClientSampleId :
MW-10

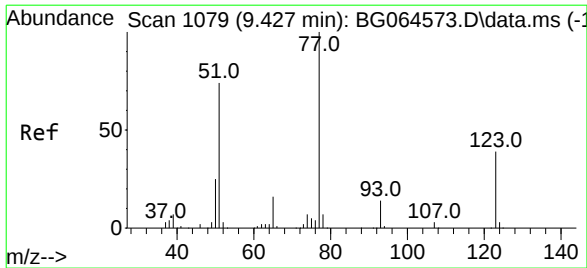
Tgt Ion:	136	Resp:	111146
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.2	13.8
54	14.9	12.6	19.0
68	6.8	5.7	8.5



#23
Nitrobenzene-d5
Concen: 132.167 ng
RT: 9.380 min Scan# 1071
Delta R.T. -0.010 min
Lab File: BG064631.D
Acq: 29 Oct 2025 20:18

Tgt Ion:	82	Resp:	244576
Ion	Ratio	Lower	Upper
82	100		
128	41.2	31.3	46.9
54	71.6	56.6	84.8

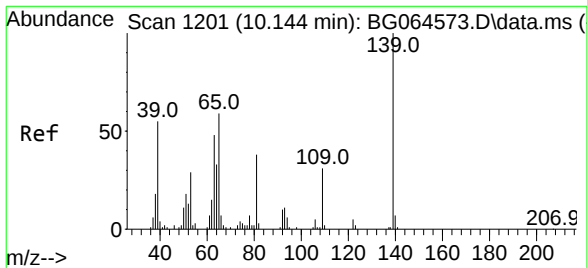
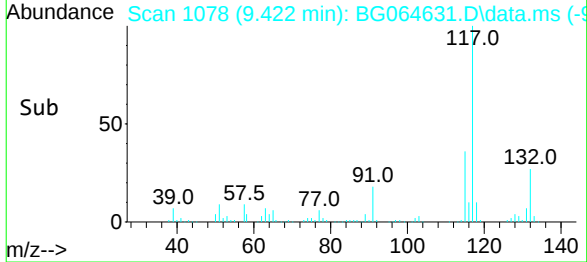
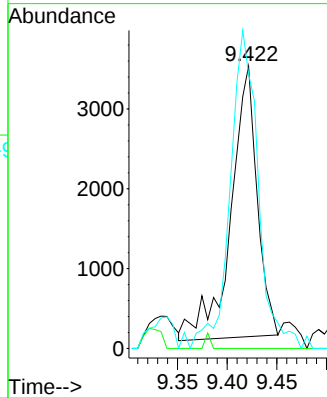
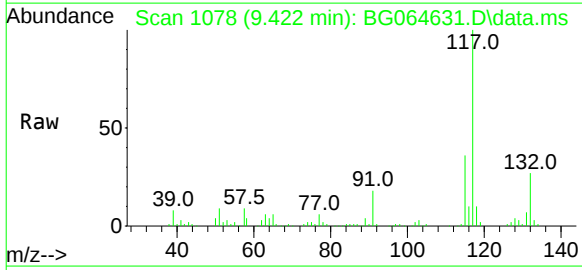




#24
Nitrobenzene
Concen: 3.110 ng
RT: 9.422 min Scan# 1079
Delta R.T. -0.009 min
Lab File: BG064631.D
Acq: 29 Oct 2025 20:18

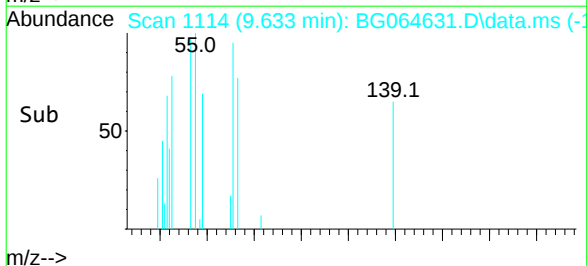
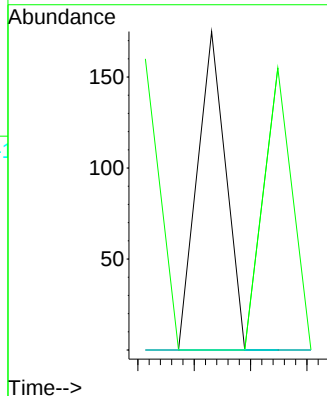
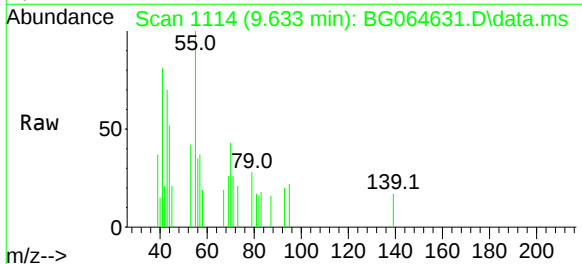
Instrument :
BNA_G
ClientSampleId :
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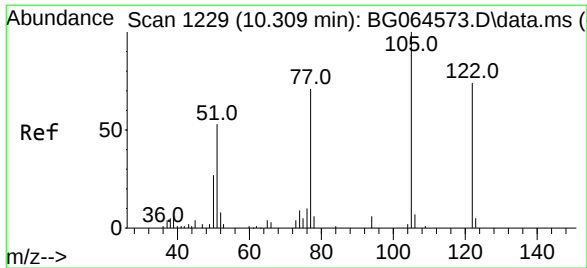
Tgt Ion: 77	Resp: 6259
Ion Ratio	Lower Upper
77	100
123	0.0 31.0 46.6#
65	97.2 12.7 19.1#



#26
2-Nitrophenol
Concen: 3.205 ng
RT: 9.633 min Scan# 1114
Delta R.T. -0.515 min
Lab File: BG064631.D
Acq: 29 Oct 2025 20:18

Tgt Ion: 139	Resp: 62
Ion Ratio	Lower Upper
139	100
109	0.0 24.6 37.0#
65	0.0 47.5 71.3#





#32

Benzoic acid

Concen: 6.965 ng

RT: 10.268 min Scan# 12

Delta R.T. -0.074 min

Lab File: BG064631.D

Acq: 29 Oct 2025 20:18

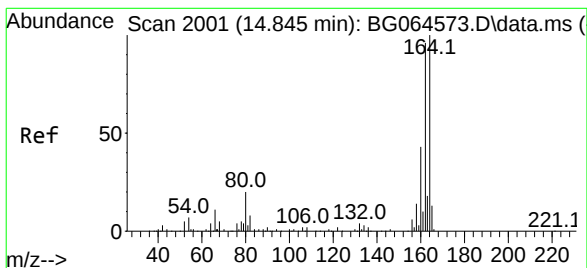
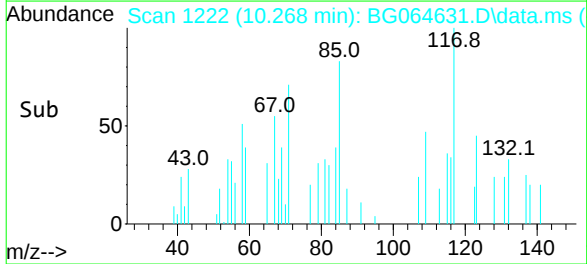
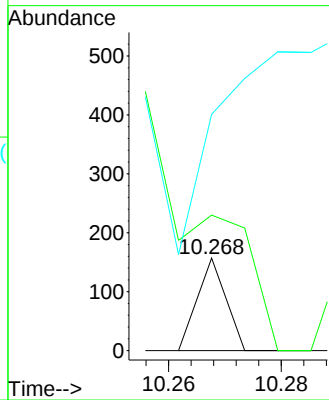
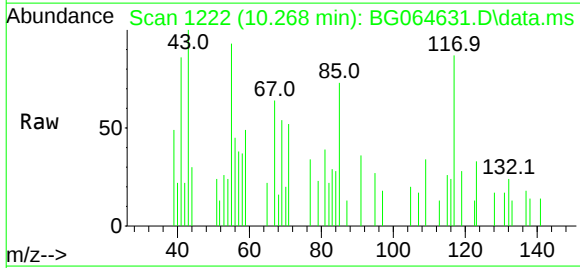
Instrument :

BNA_G

ClientSampleId :

MW-10

Tgt Ion:	122	Resp:	55
Ion	Ratio	Lower	Upper
122	100		
105	146.5	104.2	144.2#
77	255.4	70.2	110.2#



#39

Acenaphthene-d10

Concen: 20.000 ng

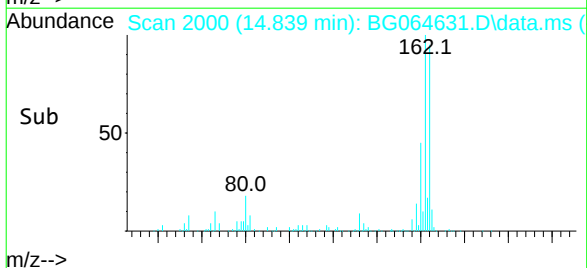
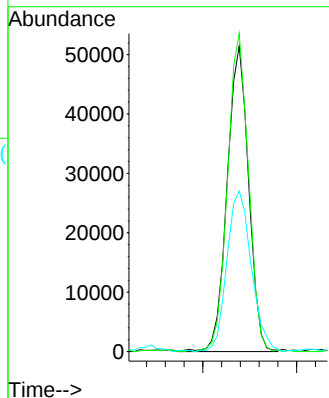
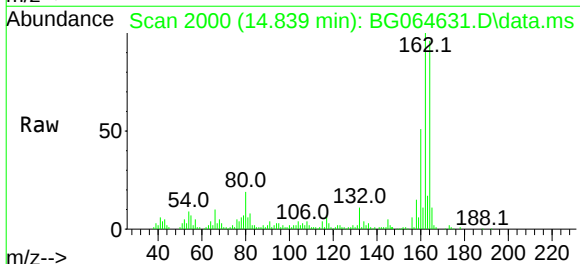
RT: 14.839 min Scan# 2000

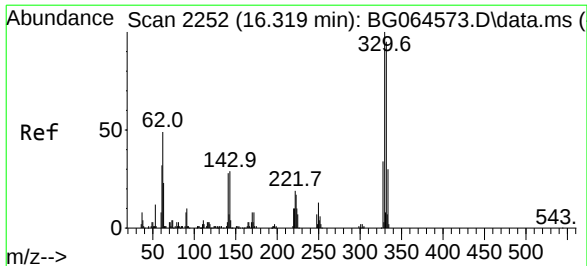
Delta R.T. -0.003 min

Lab File: BG064631.D

Acq: 29 Oct 2025 20:18

Tgt Ion:	164	Resp:	81763
Ion	Ratio	Lower	Upper
164	100		
162	104.1	77.0	115.6
160	52.6	34.4	51.6#





#42

2,4,6-Tribromophenol

Concen: 194.192 ng

RT: 16.319 min Scan# 22

Delta R.T. -0.004 min

Lab File: BG064631.D

Acq: 29 Oct 2025 20:18

Instrument :

BNA_G

ClientSampleId :

MW-10

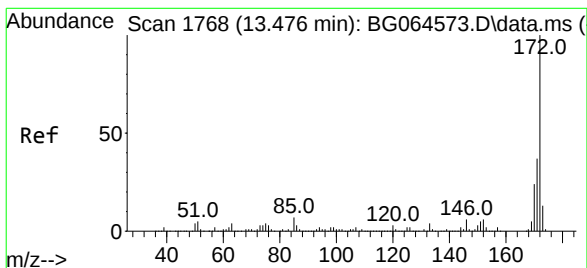
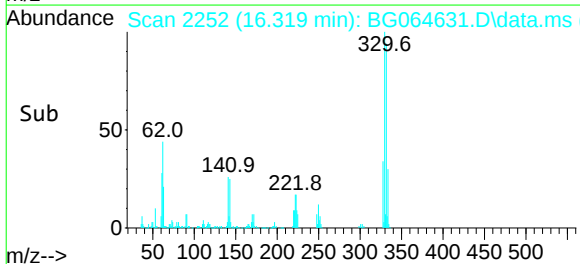
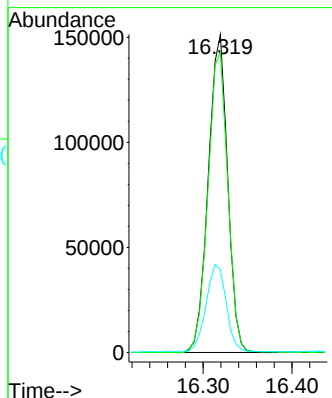
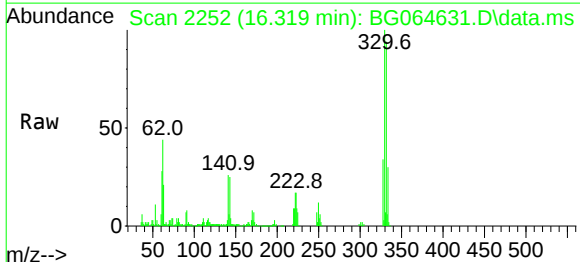
Tgt Ion:330 Resp: 229163

Ion Ratio Lower Upper

330 100

332 96.7 78.0 117.0

141 28.6 21.8 32.6



#45

2-Fluorobiphenyl

Concen: 109.912 ng

RT: 13.470 min Scan# 1767

Delta R.T. -0.009 min

Lab File: BG064631.D

Acq: 29 Oct 2025 20:18

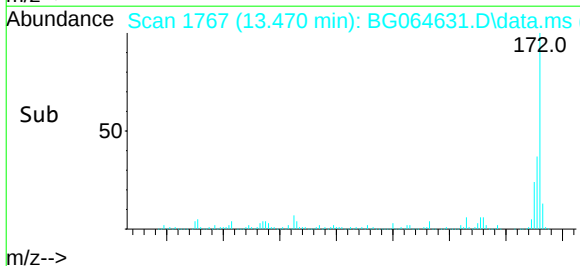
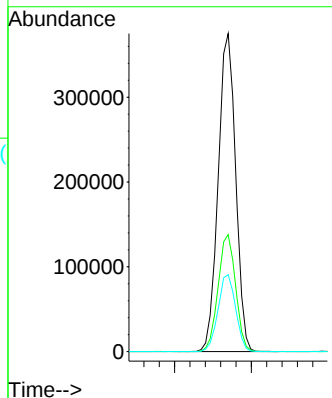
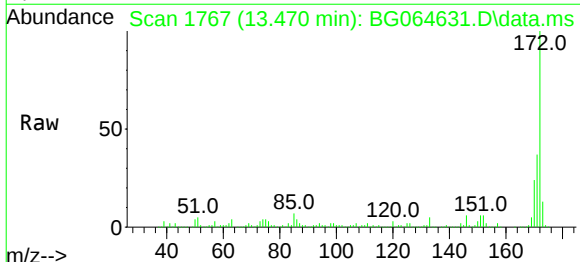
Tgt Ion:172 Resp: 592894

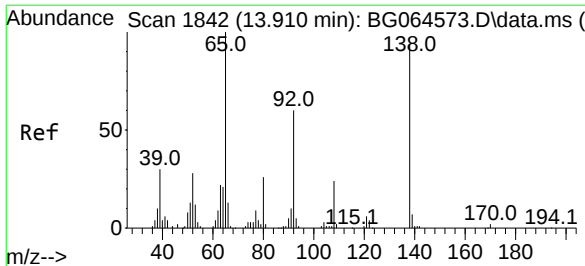
Ion Ratio Lower Upper

172 100

171 36.8 29.4 44.0

170 24.2 19.1 28.7





#48

2-Nitroaniline

Concen: 4.051 ng

RT: 13.957 min Scan# 18

Delta R.T. 0.043 min

Lab File: BG064631.D

Acq: 29 Oct 2025 20:18

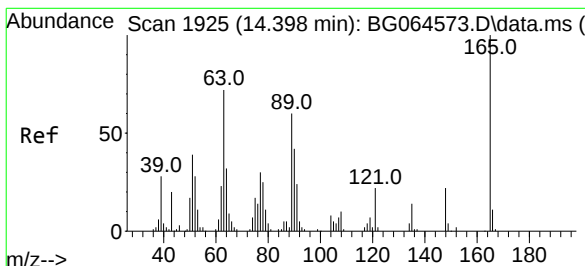
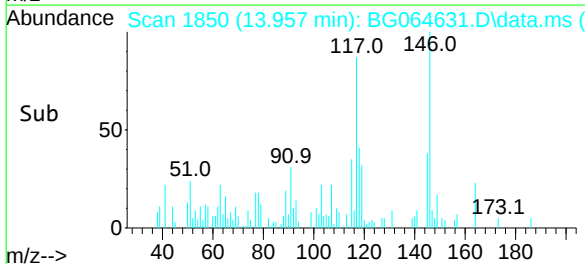
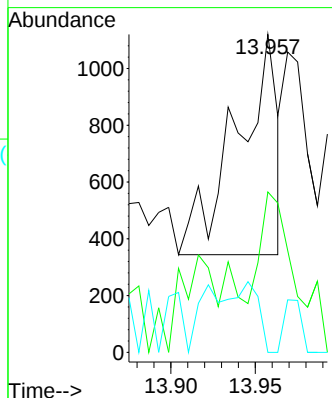
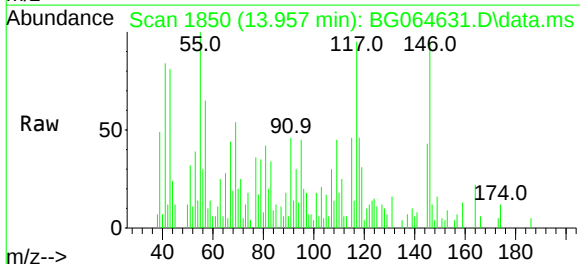
Instrument :

BNA_G

ClientSampleId :

MW-10

Tgt Ion:	65	Resp:	1305
Ion	Ratio	Lower	Upper
65	100		
92	50.4	48.3	72.5
138	0.0	74.9	112.3#



#51

2,6-Dinitrotoluene

Concen: 3.882 ng

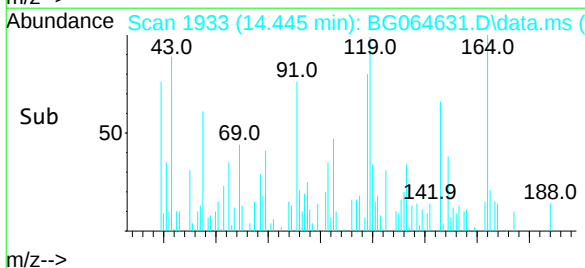
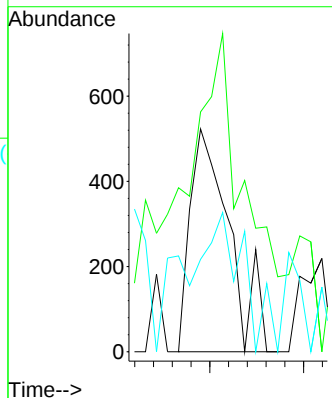
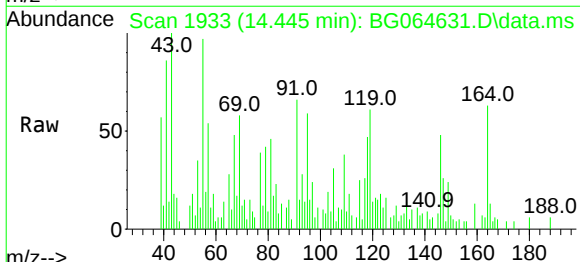
RT: 14.445 min Scan# 1933

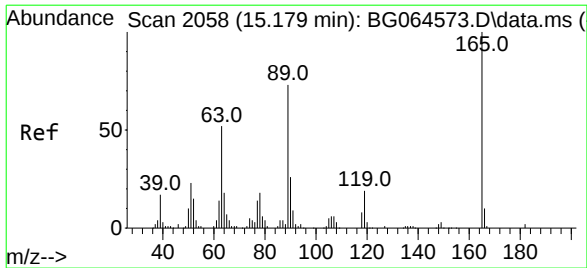
Delta R.T. 0.043 min

Lab File: BG064631.D

Acq: 29 Oct 2025 20:18

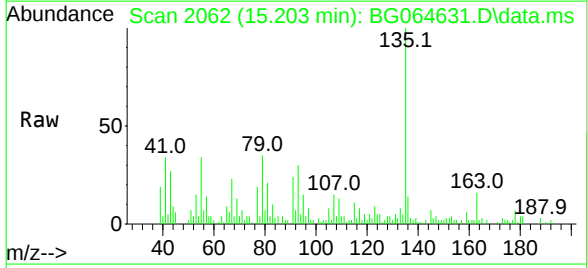
Tgt Ion:	165	Resp:	762
Ion	Ratio	Lower	Upper
165	100		
63	107.6	57.4	86.0#
89	41.5	47.8	71.8#



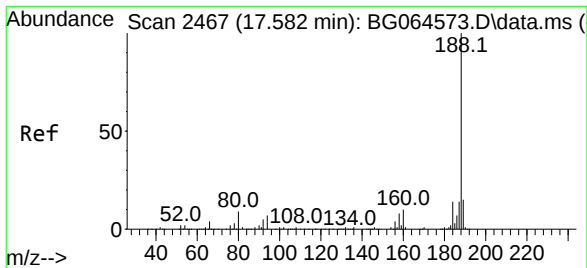
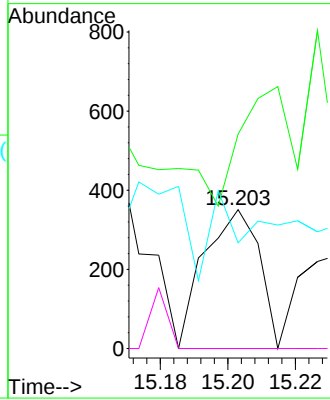
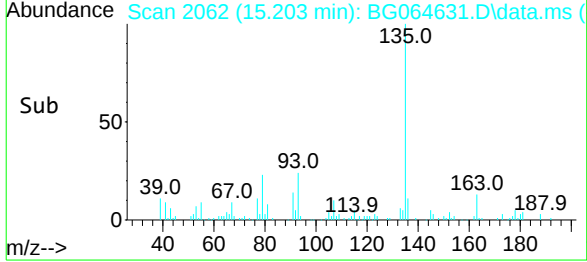


#57
2,4-Dinitrotoluene
Concen: 3.284 ng
RT: 15.203 min Scan# 2058
Delta R.T. 0.014 min
Lab File: BG064631.D
Acq: 29 Oct 2025 20:18

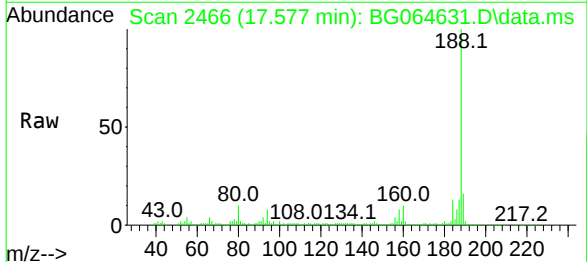
Instrument :
BNA_G
ClientSampleId :
MW-10



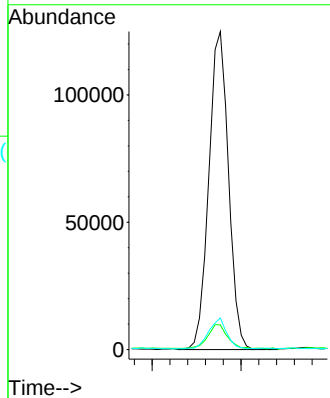
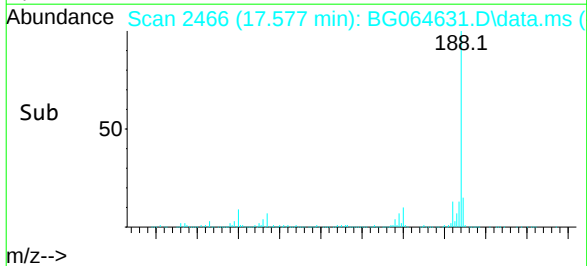
Tgt Ion:165 Resp: 397
Ion Ratio Lower Upper
165 100
63 154.4 41.8 62.8#
89 76.1 58.1 87.1
182 0.0 1.4 2.0#

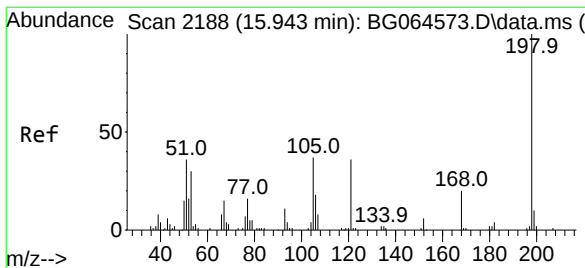


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.577 min Scan# 2466
Delta R.T. -0.003 min
Lab File: BG064631.D
Acq: 29 Oct 2025 20:18



Tgt Ion:188 Resp: 192626
Ion Ratio Lower Upper
188 100
94 7.8 5.7 8.5
80 9.9 6.8 10.2

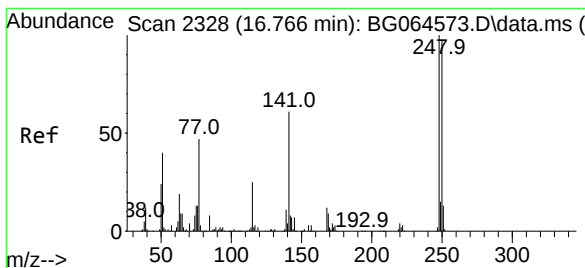
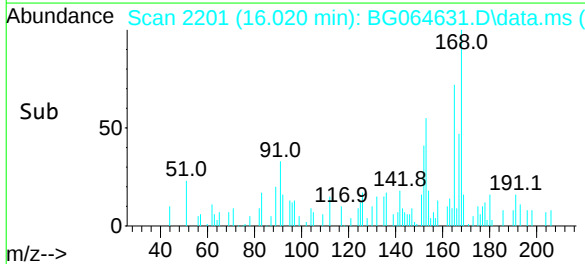
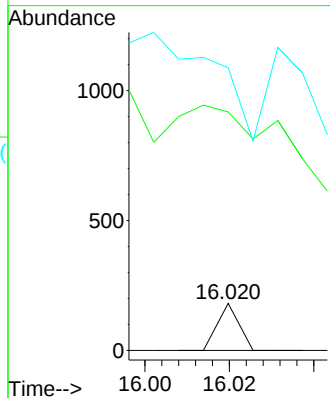
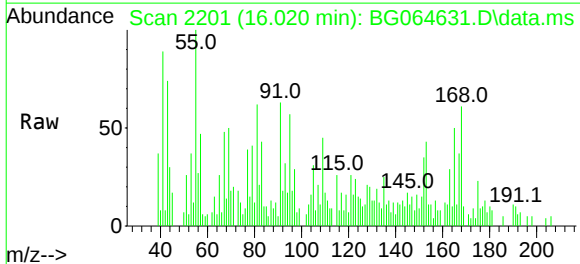




#65
 4,6-Dinitro-2-methylphenol
 Concen: 5.494 ng
 RT: 16.020 min Scan# 221
 Delta R.T. 0.073 min
 Lab File: BG064631.D
 Acq: 29 Oct 2025 20:18

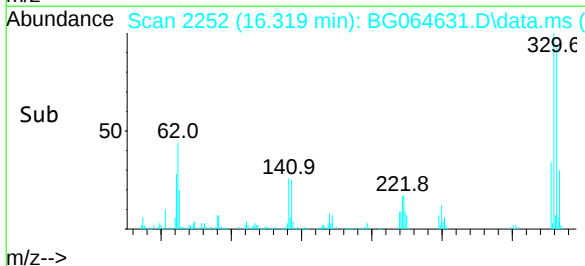
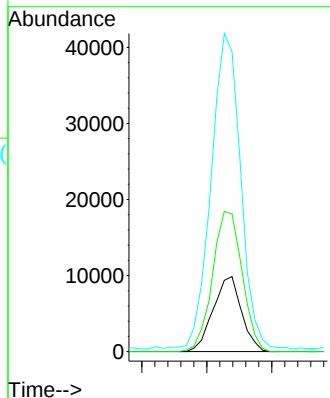
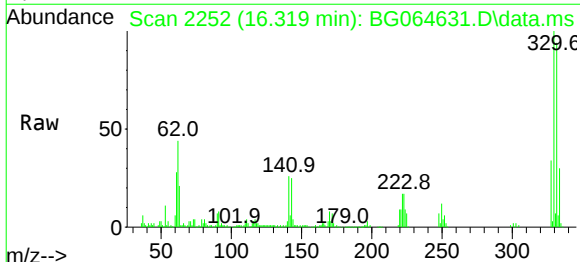
Instrument :
 BNA_G
 ClientSampleId :
 MW-10

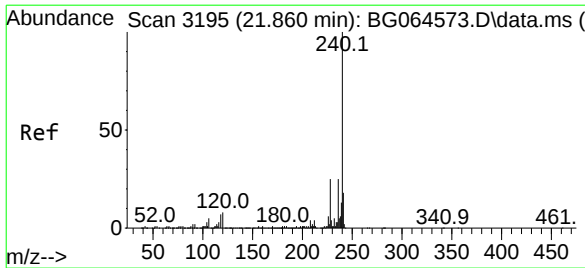
Tgt Ion:198 Resp: 64
 Ion Ratio Lower Upper
 198 100
 51 507.2 24.7 64.7#
 105 601.1 18.0 58.0#



#67
 4-Bromophenyl-phenylether
 Concen: 6.555 ng
 RT: 16.319 min Scan# 2252
 Delta R.T. -0.450 min
 Lab File: BG064631.D
 Acq: 29 Oct 2025 20:18

Tgt Ion:248 Resp: 14963
 Ion Ratio Lower Upper
 248 100
 250 192.7 77.7 116.5#
 141 315.2 48.6 72.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.848 min Scan# 31

Delta R.T. -0.015 min

Lab File: BG064631.D

Acq: 29 Oct 2025 20:18

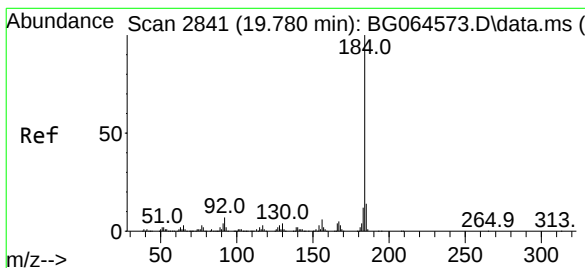
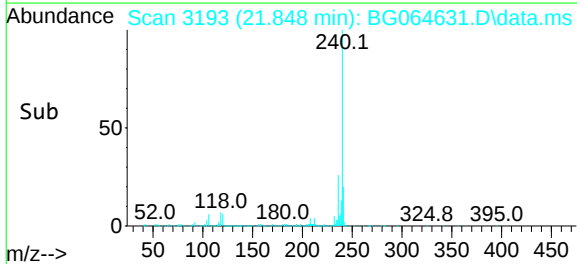
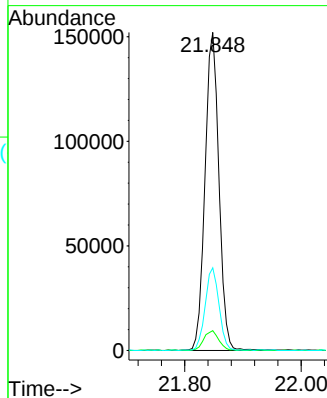
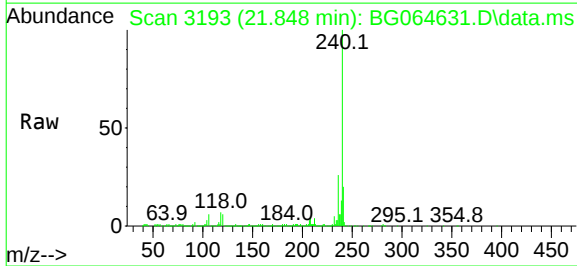
Instrument :

BNA_G

ClientSampleId :

MW-10

Tgt Ion:240 Resp: 251896
 Ion Ratio Lower Upper
 240 100
 120 6.2 6.5 9.7#
 236 26.0 20.2 30.2



#77

Benzidine

Concen: 3.994 ng

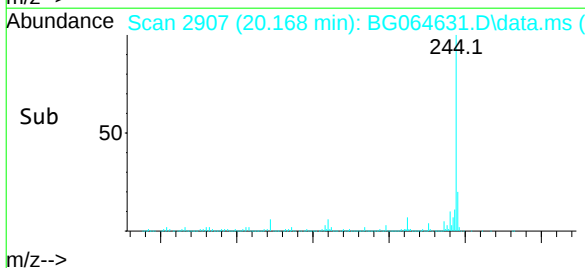
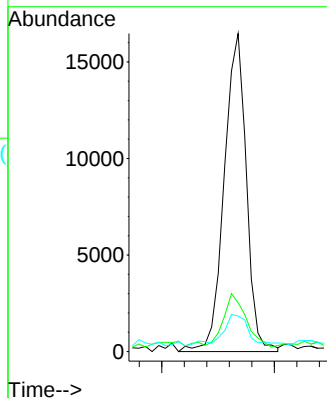
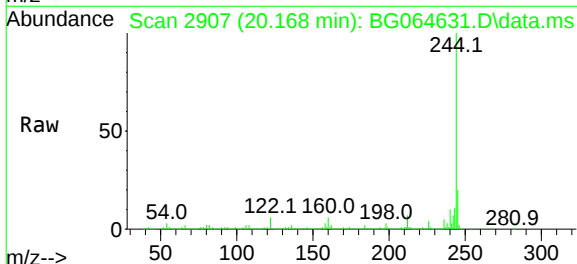
RT: 20.168 min Scan# 2907

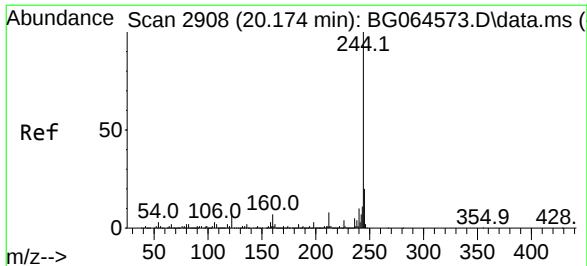
Delta R.T. 0.384 min

Lab File: BG064631.D

Acq: 29 Oct 2025 20:18

Tgt Ion:184 Resp: 22541
 Ion Ratio Lower Upper
 184 100
 185 15.4 11.4 17.2
 183 11.2 9.4 14.2





#79

Terphenyl-d14

Concen: 103.897 ng

RT: 20.168 min Scan# 29

Delta R.T. -0.009 min

Lab File: BG064631.D

Acq: 29 Oct 2025 20:18

Instrument :

BNA_G

ClientSampleId :

MW-10

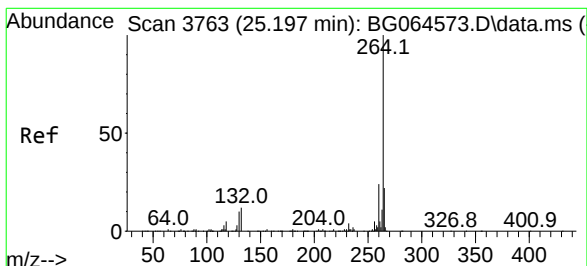
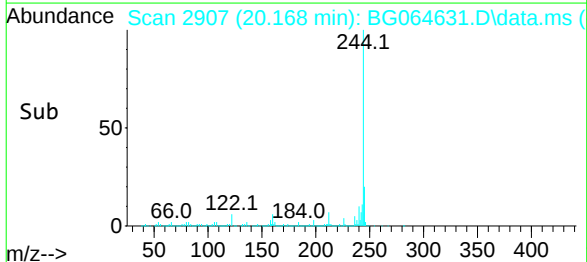
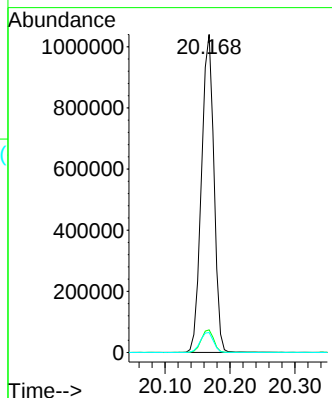
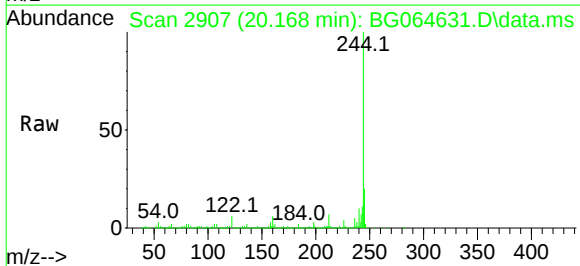
Tgt Ion:244 Resp: 1386807

Ion Ratio Lower Upper

244 100

212 7.1 6.1 9.1

122 6.3 5.6 8.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.185 min Scan# 3761

Delta R.T. -0.015 min

Lab File: BG064631.D

Acq: 29 Oct 2025 20:18

Tgt Ion:264 Resp: 278585

Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.4

265 20.3 17.6 26.4

