

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
 Data File : BG064664.D
 Acq On : 31 Oct 2025 20:19
 Operator : RC/JU
 Sample : Q3503-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 31 23:29:08 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)

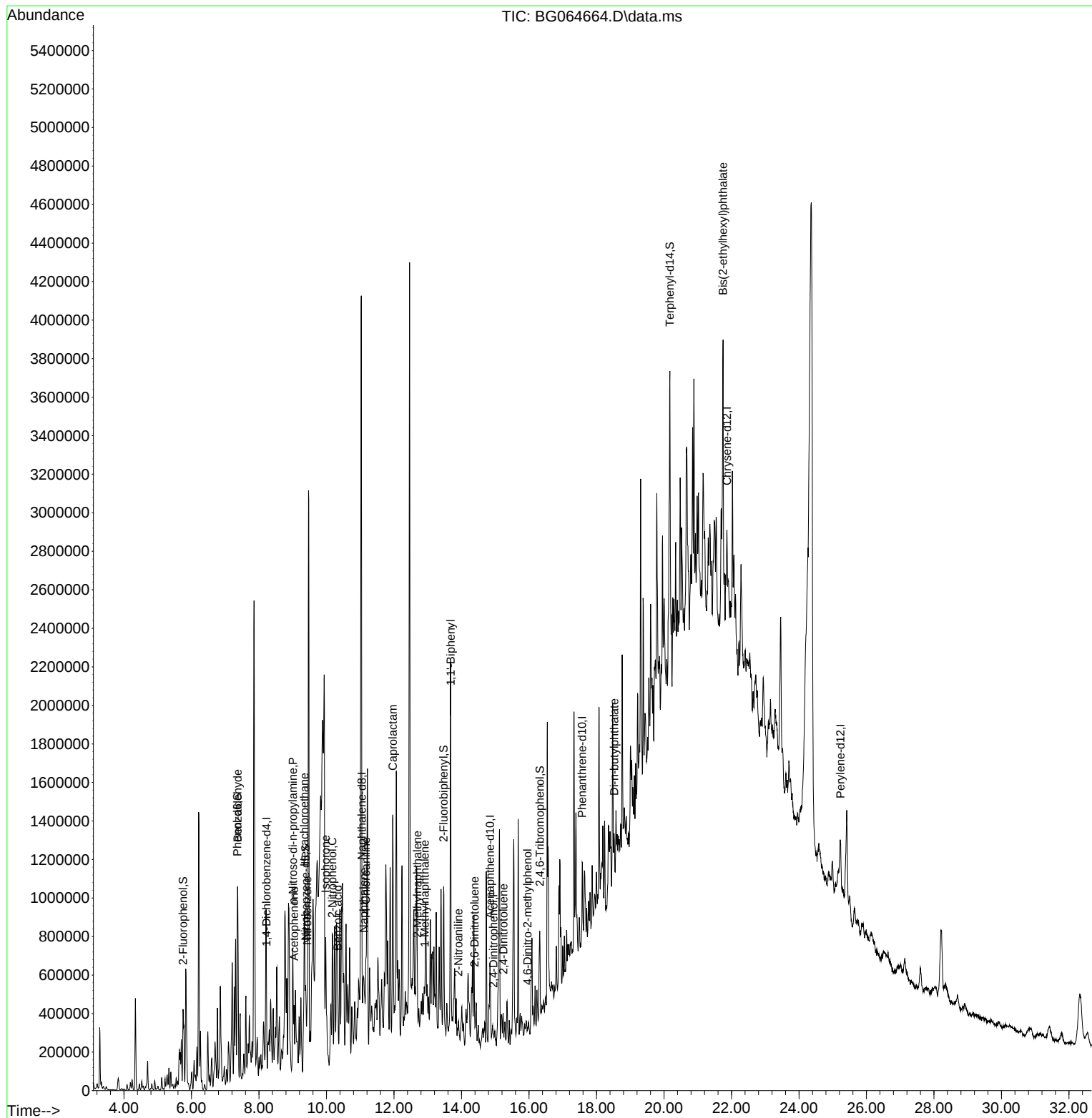
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.224	152	44569	20.000	ng	0.00
21) Naphthalene-d8	11.050	136	161180	20.000	ng	# 0.00
39) Acenaphthene-d10	14.846	164	122183	20.000	ng	0.00
64) Phenanthrene-d10	17.578	188	244237	20.000	ng	0.00
76) Chrysene-d12	21.867	240	254100	20.000	ng	0.00
86) Perylene-d12	25.227	264	288731	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.750	112	149773	56.405	ng	0.00
7) Phenol-d6	7.360	99	217423	59.672	ng	0.00
23) Nitrobenzene-d5	9.381	82	153296	57.125	ng	0.00
42) 2,4,6-Tribromophenol	16.320	330	106400	60.336	ng	0.00
45) 2-Fluorobiphenyl	13.471	172	391667	48.588	ng	0.00
79) Terphenyl-d14	20.175	244	621554	46.162	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.366	77	26904	13.525	ng	# 1
18) Hexachloroethane	9.346	117	71562	62.695	ng	# 1
19) n-Nitroso-di-n-propyla...	9.005	70	18299	7.267	ng	# 65
22) Acetophenone	9.041	105	178037	40.408	ng	# 49
24) Nitrobenzene	9.434	77	14881	5.098	ng	# 24
25) Isophorone	9.975	82	66945	10.396	ng	# 1
26) 2-Nitrophenol	10.169	139	4855	7.161	ng	# 1
31) Naphthalene	11.103	128	74632	8.351	ng	# 80
32) Benzoic acid	10.339	122	546	7.191	ng	# 1
33) 4-Chloroaniline	11.167	127	7332	2.111	ng	# 1
35) Caprolactam	11.967	113	10718	10.841	ng	# 1
37) 2-Methylnaphthalene	12.695	142	83454	12.720	ng	95
38) 1-Methylnaphthalene	12.912	142	49692	7.697	ng	# 97
46) 1,1'-Biphenyl	13.682	154	22505	2.591	ng	95
48) 2-Nitroaniline	13.911	65	656	3.503	ng	# 41
51) 2,6-Dinitrotoluene	14.387	165	1201	3.920	ng	# 1
54) 2,4-Dinitrophenol	14.945	184	155	5.724	ng	# 49
57) 2,4-Dinitrotoluene	15.239	165	1233	3.535	ng	# 66
65) 4,6-Dinitro-2-methylph...	15.956	198	72	5.486	ng	# 1
74) Di-n-butylphthalate	18.529	149	99432	7.177	ng	# 94
84) Bis(2-ethylhexyl)phtha...	21.749	149	517061	68.964	ng	# 95

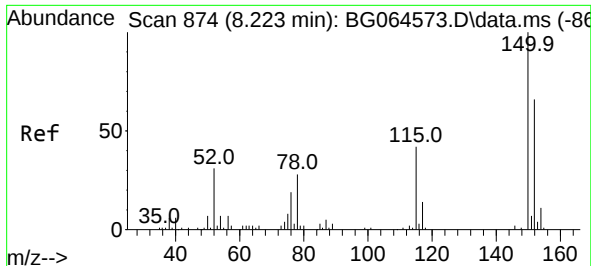
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
Data File : BG064664.D
Acq On : 31 Oct 2025 20:19
Operator : RC/JU
Sample : Q3503-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

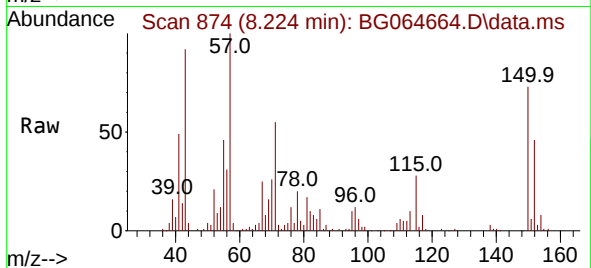
Quant Time: Oct 31 23:29:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration



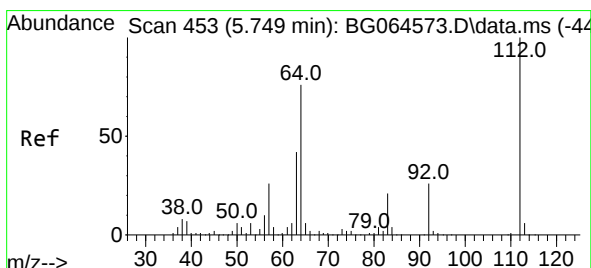
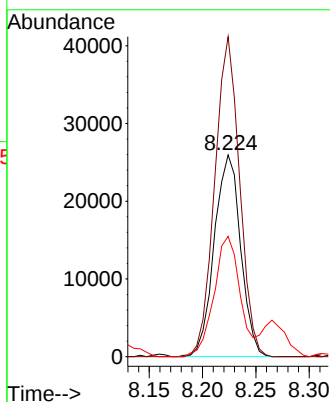
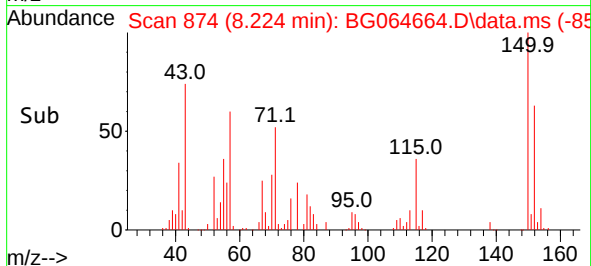


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.224 min Scan# 81
Delta R.T. 0.003 min
Lab File: BG064664.D
Acq: 31 Oct 2025 20:19

Instrument :
BNA_G
ClientSampleId :

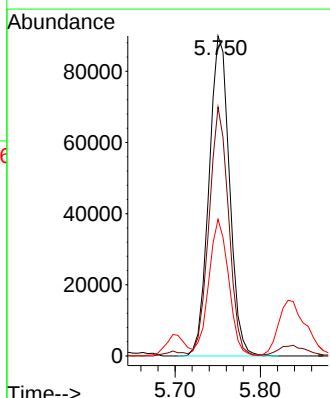
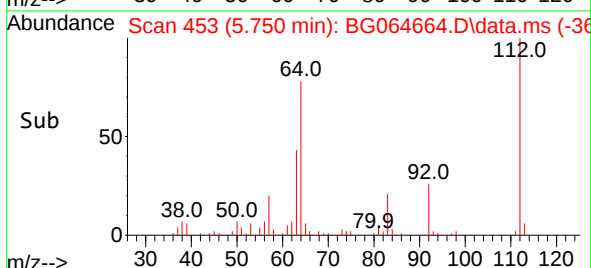
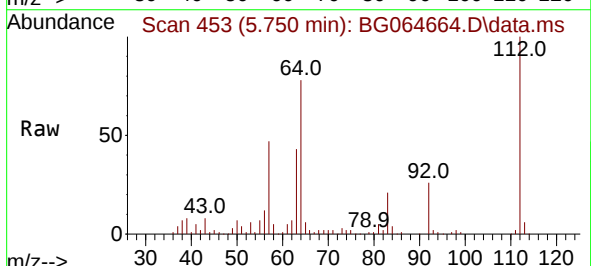


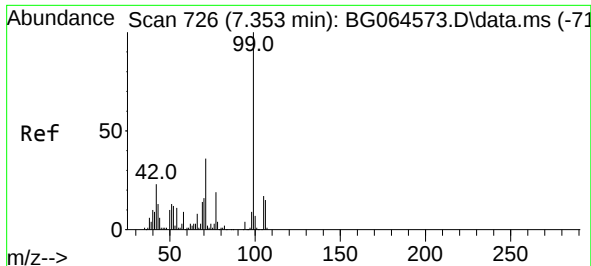
Tgt Ion:152 Resp: 44569
Ion Ratio Lower Upper
152 100
150 158.6 122.2 183.4
115 59.6 50.8 76.2



#5
2-Fluorophenol
Concen: 56.405 ng
RT: 5.750 min Scan# 453
Delta R.T. 0.003 min
Lab File: BG064664.D
Acq: 31 Oct 2025 20:19

Tgt Ion:112 Resp: 149773
Ion Ratio Lower Upper
112 100
64 77.8 60.7 91.1
63 42.7 33.4 50.0

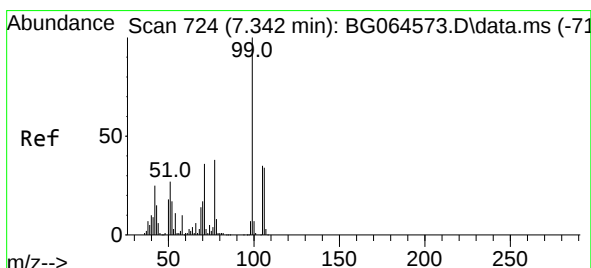
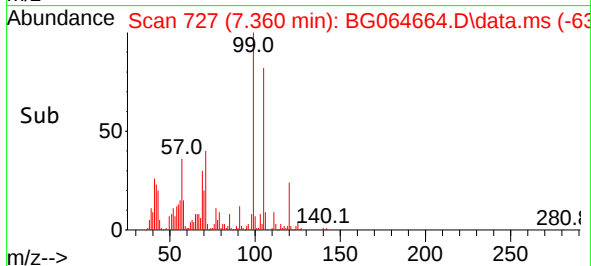
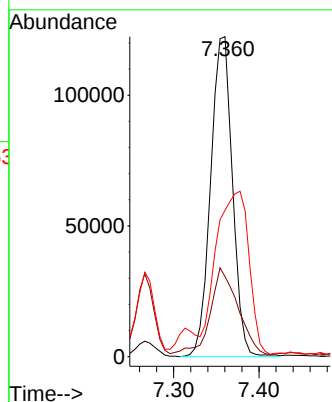
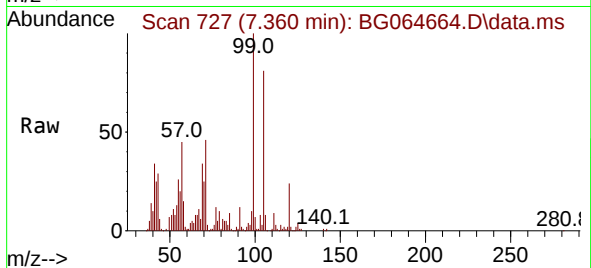




#7
Phenol-d6
Concen: 59.672 ng
RT: 7.360 min Scan# 71
Delta R.T. 0.003 min
Lab File: BG064664.D
Acq: 31 Oct 2025 20:19

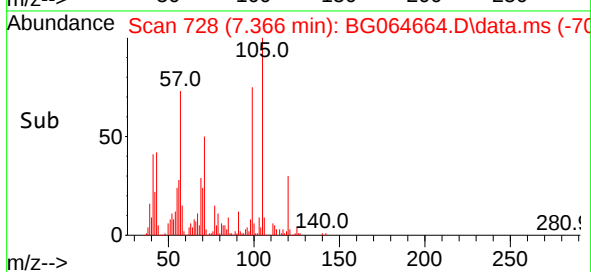
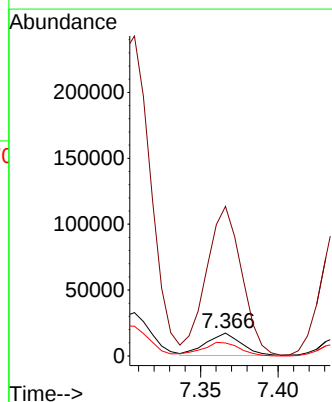
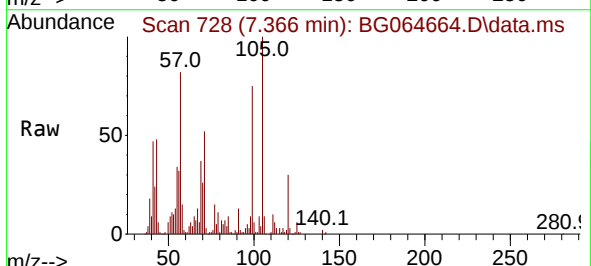
Instrument :
BNA_G
ClientSampleId :

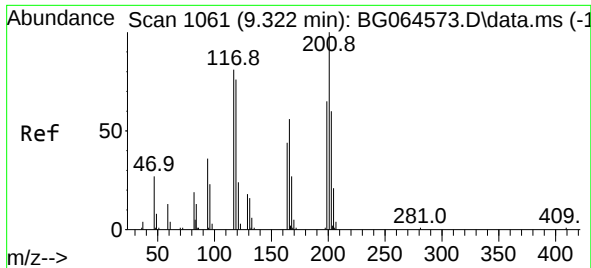
Tgt Ion: 99 Resp: 217423
Ion Ratio Lower Upper
99 100
42 25.1 18.3 27.5
71 45.7 28.6 43.0#



#9
Benzaldehyde
Concen: 13.525 ng
RT: 7.366 min Scan# 728
Delta R.T. 0.027 min
Lab File: BG064664.D
Acq: 31 Oct 2025 20:19

Tgt Ion: 77 Resp: 26904
Ion Ratio Lower Upper
77 100
105 653.2 72.9 112.9#
106 56.8 70.8 110.8#

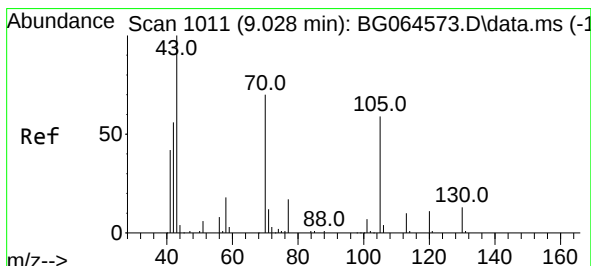
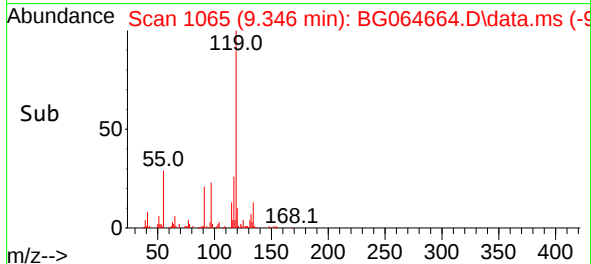
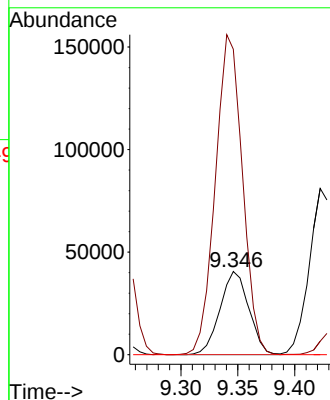
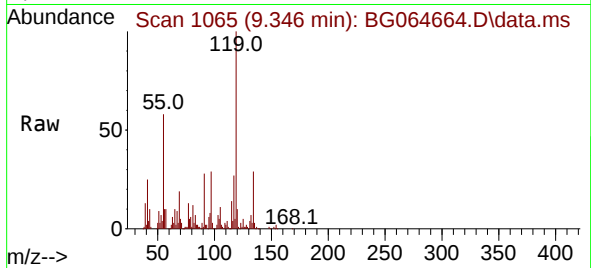




#18
Hexachloroethane
Concen: 62.695 ng
RT: 9.346 min Scan# 1061
Delta R.T. 0.021 min
Lab File: BG064664.D
Acq: 31 Oct 2025 20:19

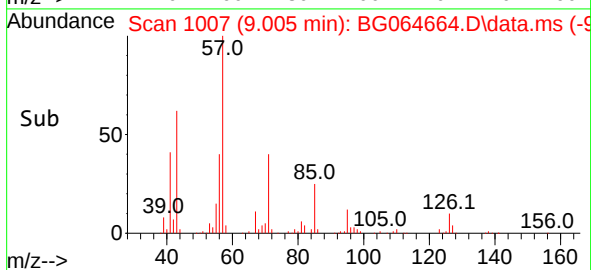
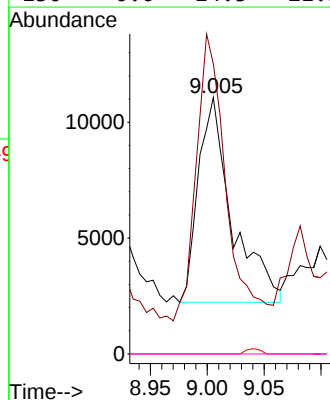
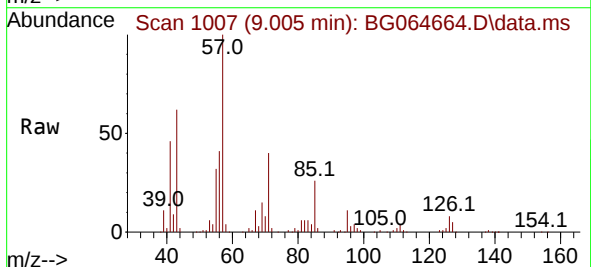
Instrument :
BNA_G
ClientSampleId :

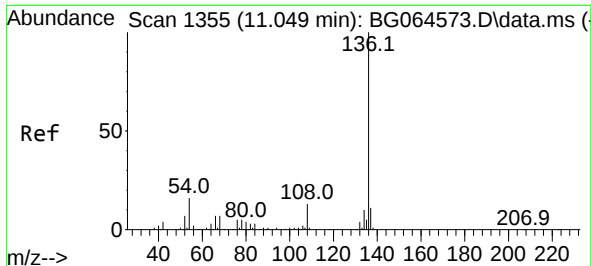
Tgt Ion:117 Resp: 71562
Ion Ratio Lower Upper
117 100
119 366.9 75.4 113.2#
201 0.0 99.2 148.8#



#19
n-Nitroso-di-n-propylamine
Concen: 7.267 ng
RT: 9.005 min Scan# 1007
Delta R.T. -0.026 min
Lab File: BG064664.D
Acq: 31 Oct 2025 20:19

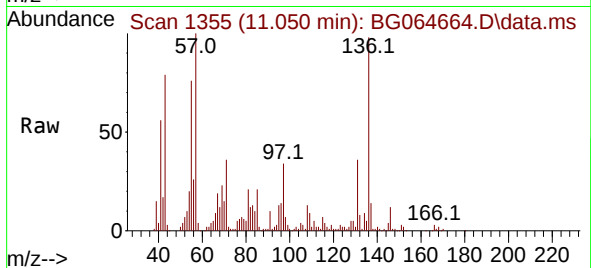
Tgt Ion: 70 Resp: 18299
Ion Ratio Lower Upper
70 100
42 113.1 65.2 97.8#
101 0.0 7.9 11.9#
130 0.0 14.3 21.5#



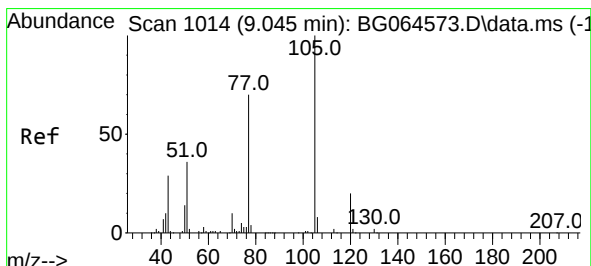
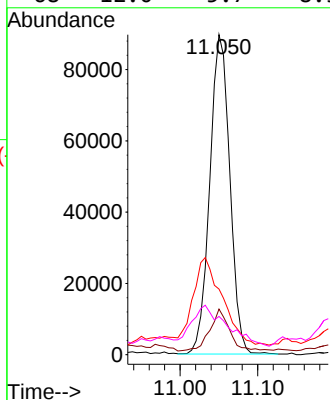
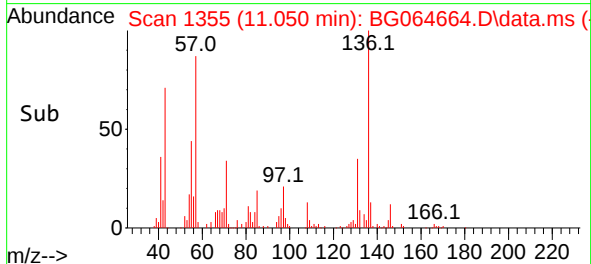


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.050 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG064664.D
Acq: 31 Oct 2025 20:19

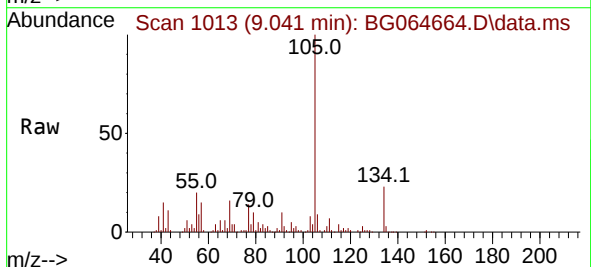
Instrument :
BNA_G
ClientSampleId :



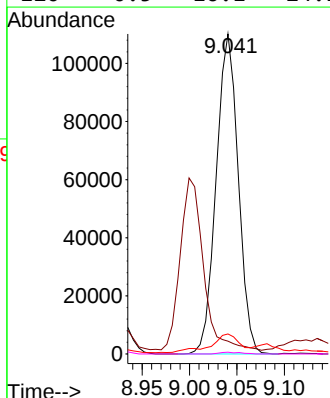
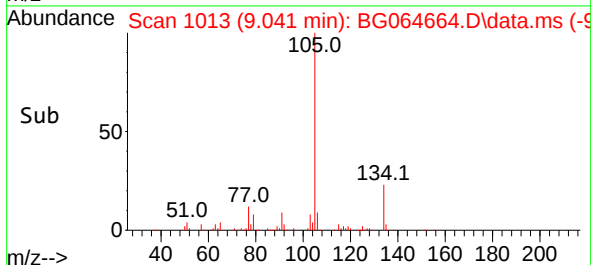
Tgt Ion:136 Resp: 161180
Ion Ratio Lower Upper
136 100
137 14.3 9.2 13.8#
54 20.5 12.6 19.0#
68 12.0 5.7 8.5#

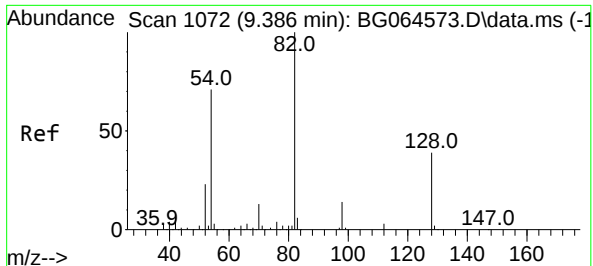


#22
Acetophenone
Concen: 40.408 ng
RT: 9.041 min Scan# 1013
Delta R.T. -0.008 min
Lab File: BG064664.D
Acq: 31 Oct 2025 20:19



Tgt Ion:105 Resp: 178037
Ion Ratio Lower Upper
105 100
71 4.0 1.5 2.3#
51 6.2 33.7 50.5#
120 0.5 16.1 24.1#

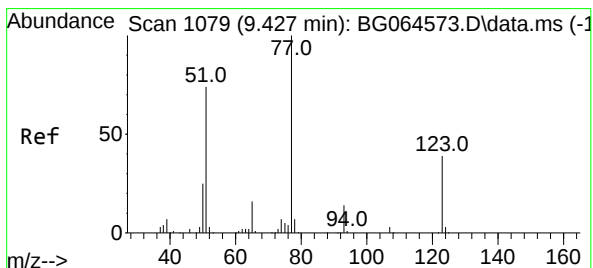
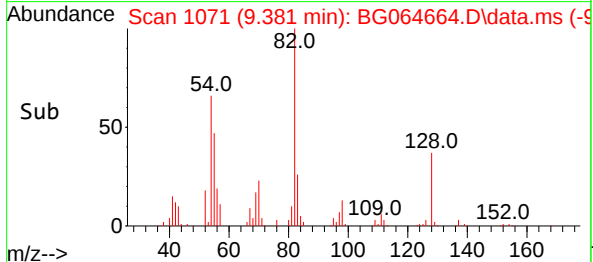
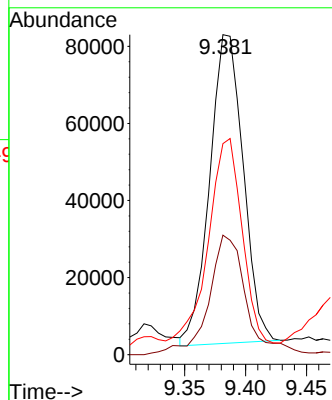
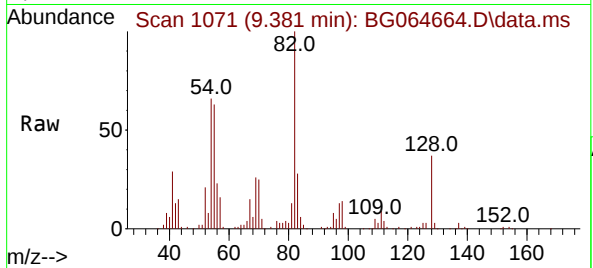




#23
Nitrobenzene-d5
Concen: 57.125 ng
RT: 9.381 min Scan# 1071
Delta R.T. -0.009 min
Lab File: BG064664.D
Acq: 31 Oct 2025 20:19

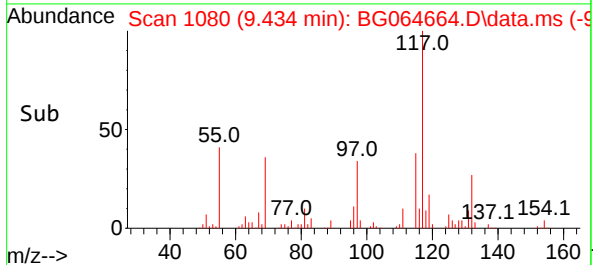
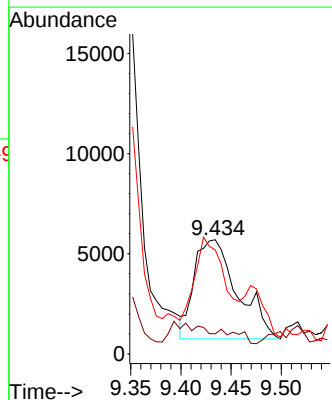
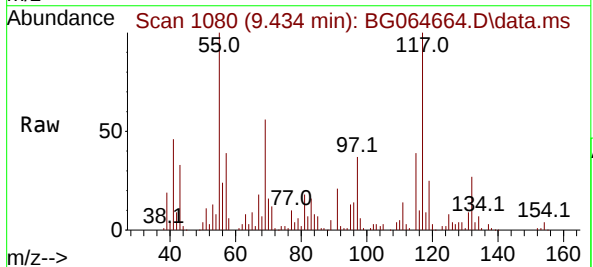
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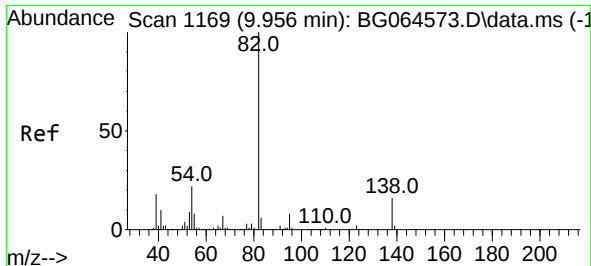
Tgt Ion: 82 Resp: 153296
Ion Ratio Lower Upper
82 100
128 37.3 31.3 46.9
54 65.9 56.6 84.8



#24
Nitrobenzene
Concen: 5.098 ng
RT: 9.434 min Scan# 1080
Delta R.T. 0.003 min
Lab File: BG064664.D
Acq: 31 Oct 2025 20:19

Tgt Ion: 77 Resp: 14881
Ion Ratio Lower Upper
77 100
123 17.6 31.0 46.6#
65 91.1 12.7 19.1#

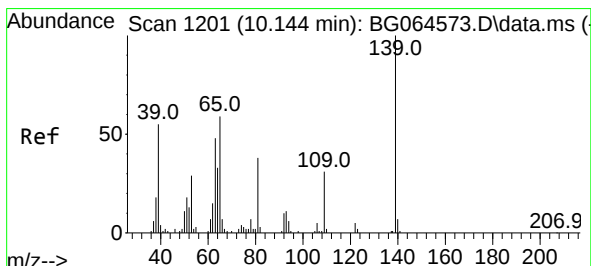
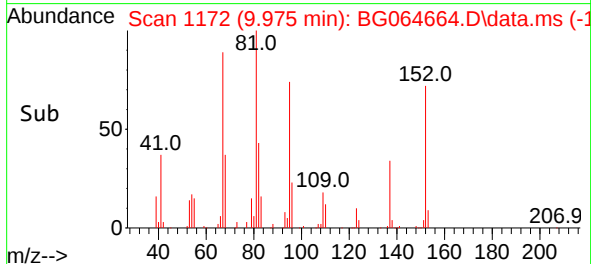
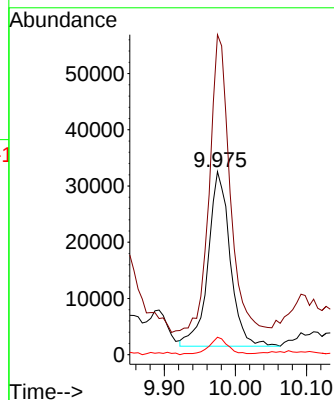
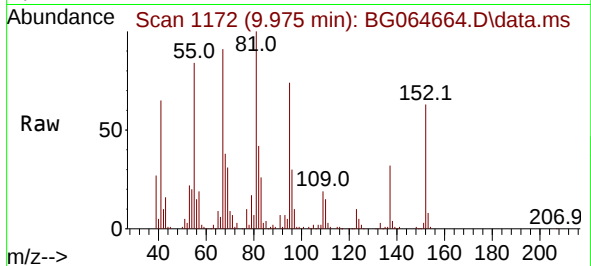




#25
Isophorone
Concen: 10.396 ng
RT: 9.975 min Scan# 1169
Delta R.T. 0.009 min
Lab File: BG064664.D
Acq: 31 Oct 2025 20:19

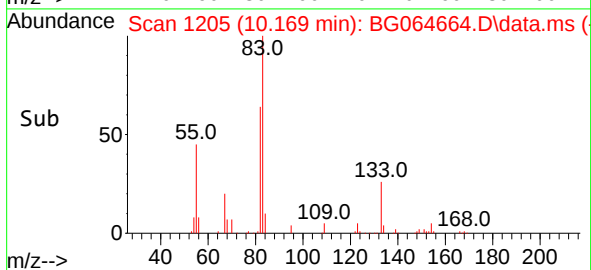
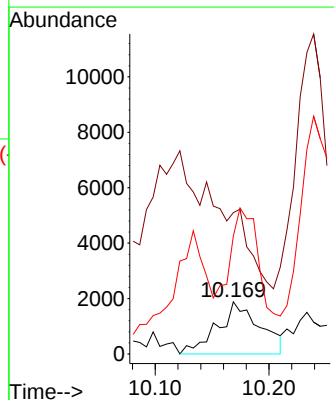
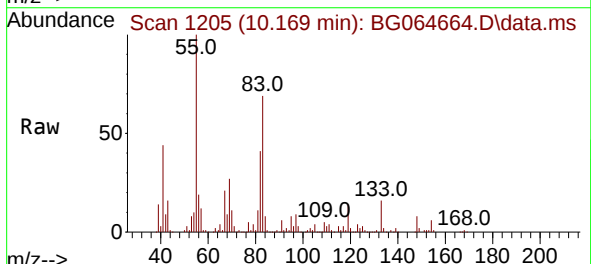
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BNA_G
ClientSampleId :

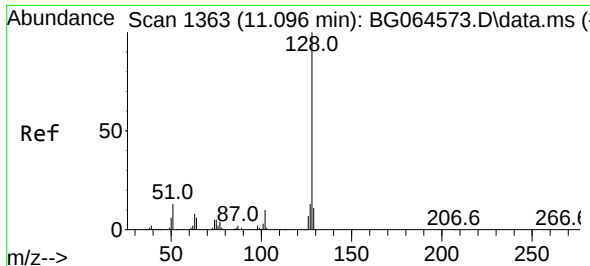
Tgt Ion: 82 Resp: 66945
Ion Ratio Lower Upper
82 100
95 174.7 6.1 9.1#
138 9.5 13.0 19.4#



#26
2-Nitrophenol
Concen: 7.161 ng
RT: 10.169 min Scan# 1205
Delta R.T. 0.021 min
Lab File: BG064664.D
Acq: 31 Oct 2025 20:19

Tgt Ion: 139 Resp: 4855
Ion Ratio Lower Upper
139 100
109 270.7 24.6 37.0#
65 225.5 47.5 71.3#

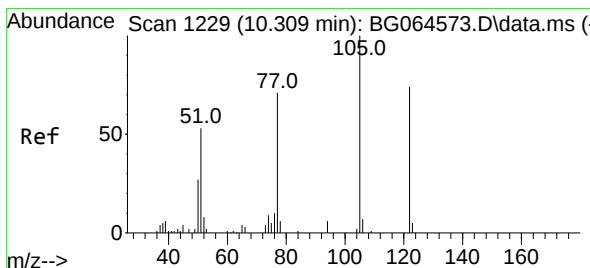
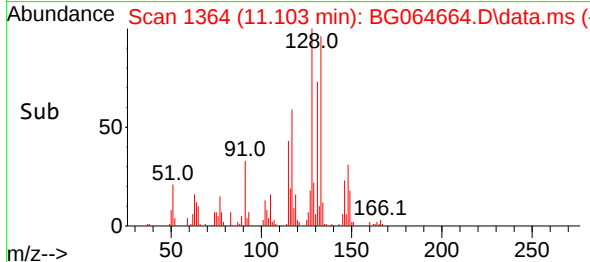
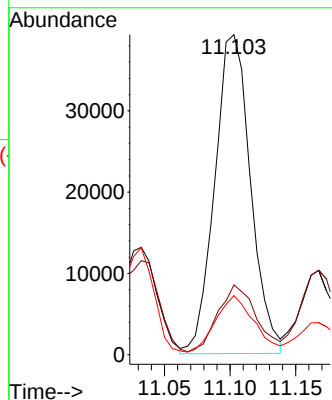
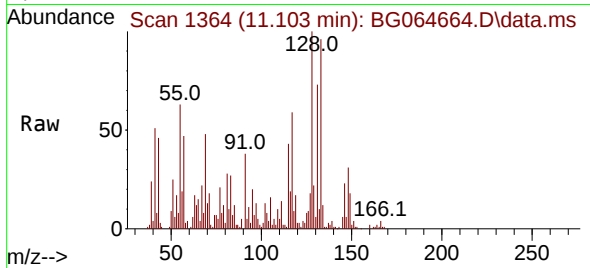




#31
Naphthalene
Concen: 8.351 ng
RT: 11.103 min Scan# 11
Delta R.T. 0.003 min
Lab File: BG064664.D
Acq: 31 Oct 2025 20:19

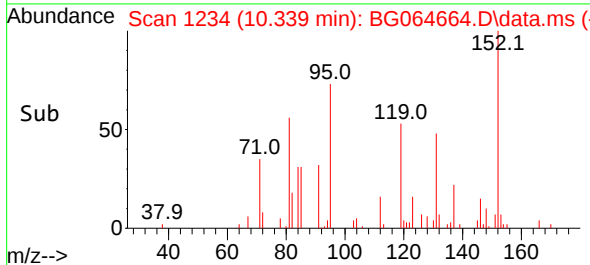
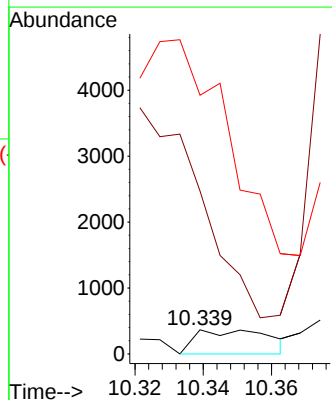
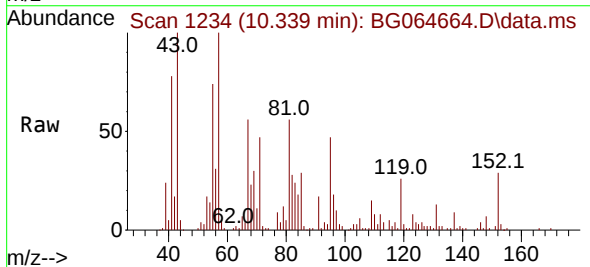
Instrument :
BNA_G
ClientSampleId :

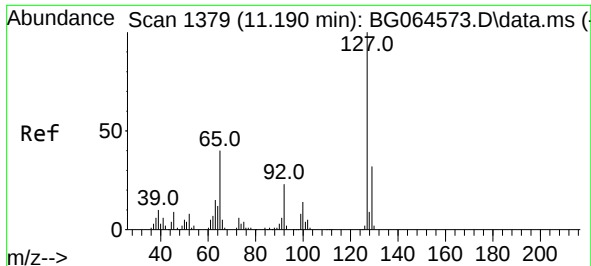
Tgt Ion:128 Resp: 74632
Ion Ratio Lower Upper
128 100
129 21.8 8.8 13.2#
127 18.4 10.6 15.8#



#32
Benzoic acid
Concen: 7.191 ng
RT: 10.339 min Scan# 1234
Delta R.T. -0.003 min
Lab File: BG064664.D
Acq: 31 Oct 2025 20:19

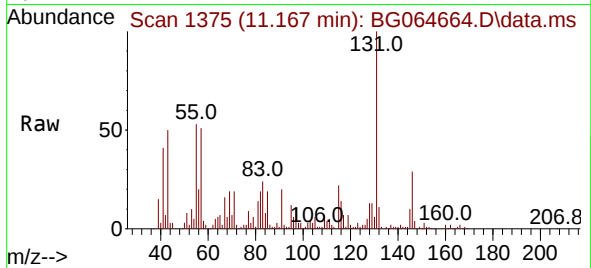
Tgt Ion:122 Resp: 546
Ion Ratio Lower Upper
122 100
105 677.0 104.2 144.2#
77 1074.8 70.2 110.2#



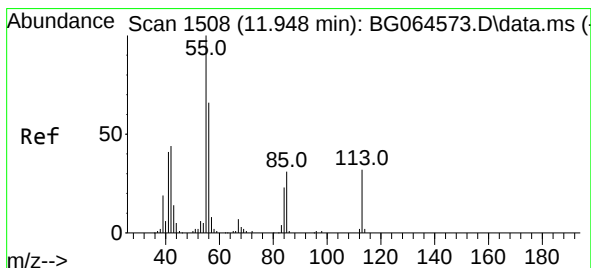
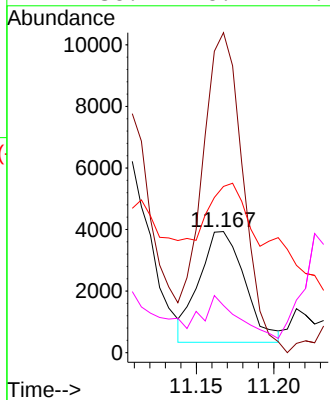
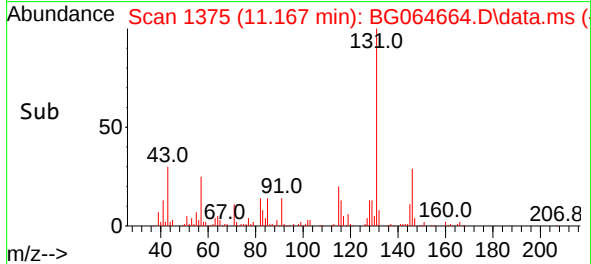


#33
4-Chloroaniline
Concen: 2.111 ng
RT: 11.167 min Scan# 1111
Delta R.T. -0.020 min
Lab File: BG064664.D
Acq: 31 Oct 2025 20:19

Instrument :
BNA_G
ClientSampleId :

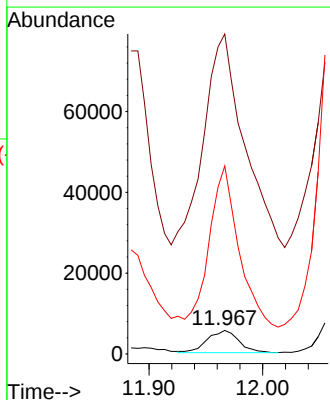
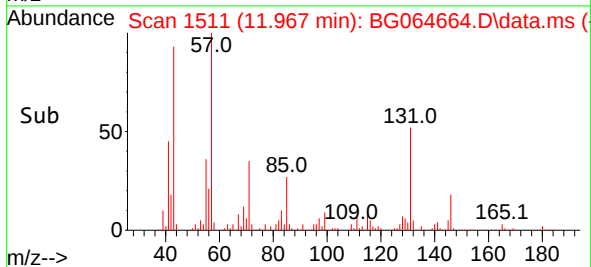
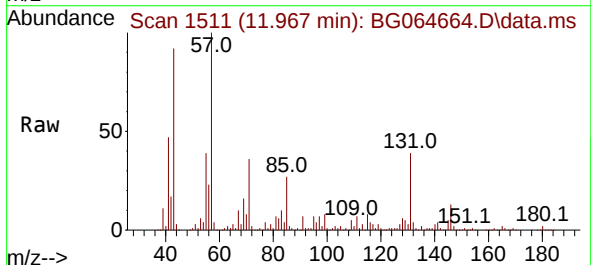


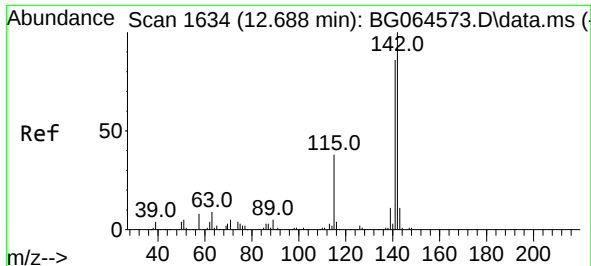
Tgt Ion:	127	Resp:	7332
Ion	Ratio	Lower	Upper
127	100		
129	264.2	25.5	38.3#
65	137.2	32.2	48.4#
92	38.9	18.2	27.2#



#35
Caprolactam
Concen: 10.841 ng
RT: 11.967 min Scan# 1511
Delta R.T. -0.008 min
Lab File: BG064664.D
Acq: 31 Oct 2025 20:19

Tgt Ion:	113	Resp:	10718
Ion	Ratio	Lower	Upper
113	100		
55	1358.9	290.1	330.1#
56	798.4	183.8	223.8#

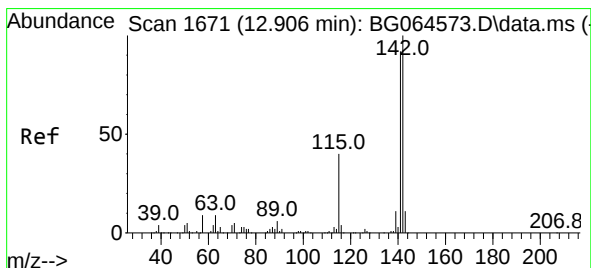
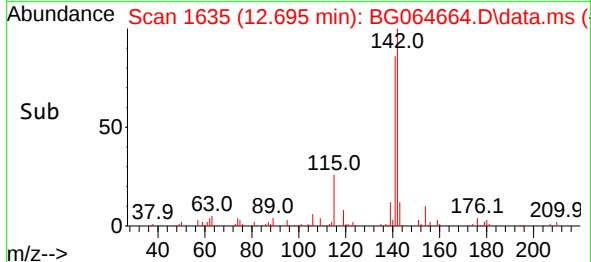
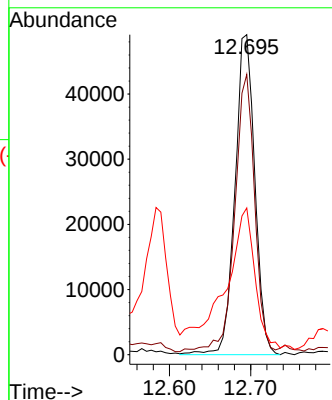
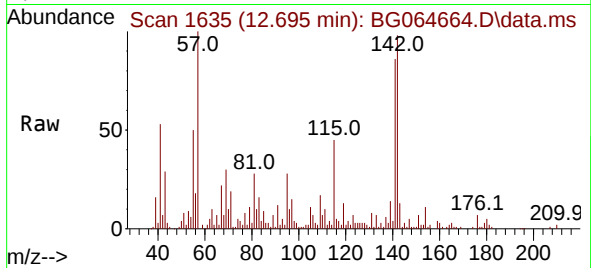




#37
2-Methylnaphthalene
Concen: 12.720 ng
RT: 12.695 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064664.D
Acq: 31 Oct 2025 20:19

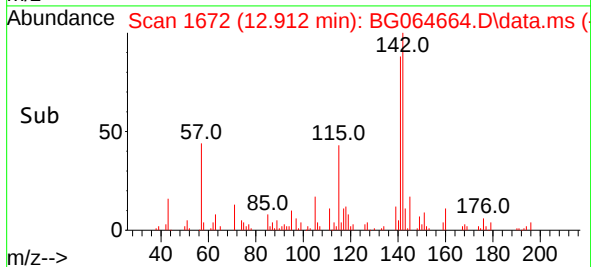
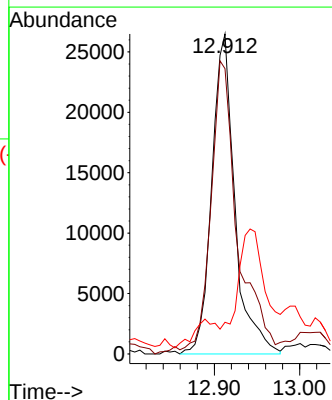
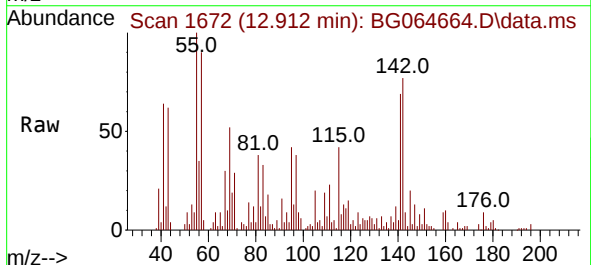
Instrument :
BNA_G
ClientSampleId :

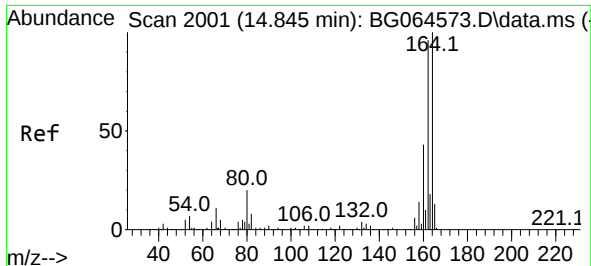
Tgt Ion:142 Resp: 83454
Ion Ratio Lower Upper
142 100
141 87.6 68.9 103.3
115 45.8 30.6 46.0



#38
1-Methylnaphthalene
Concen: 7.697 ng
RT: 12.912 min Scan# 1672
Delta R.T. 0.003 min
Lab File: BG064664.D
Acq: 31 Oct 2025 20:19

Tgt Ion:142 Resp: 49692
Ion Ratio Lower Upper
142 100
141 89.1 73.3 109.9
116 9.9 3.1 4.7#

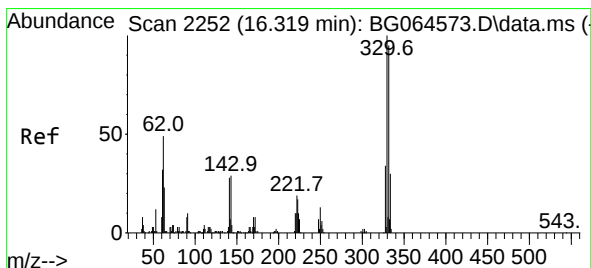
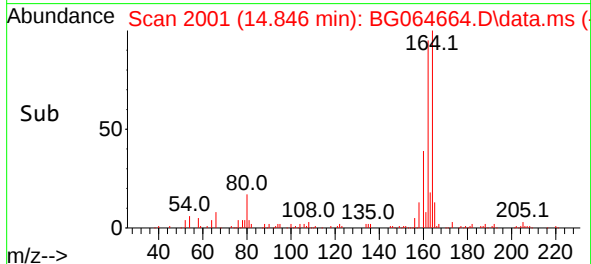
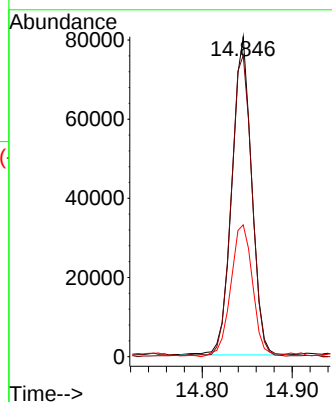
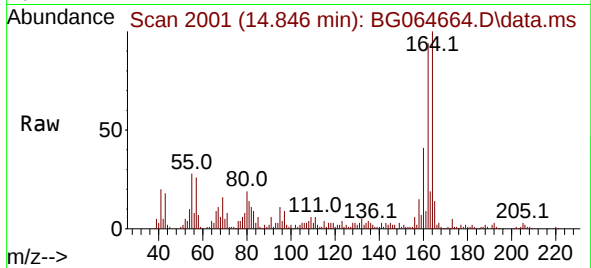




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.846 min Scan# 2001
Delta R.T. 0.003 min
Lab File: BG064664.D
Acq: 31 Oct 2025 20:19

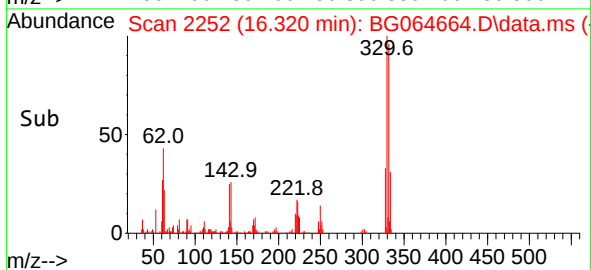
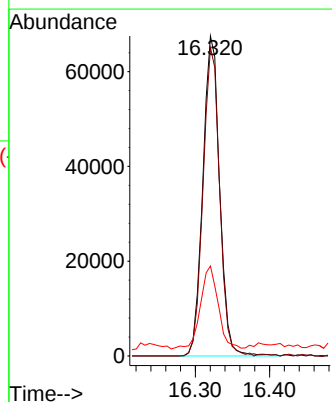
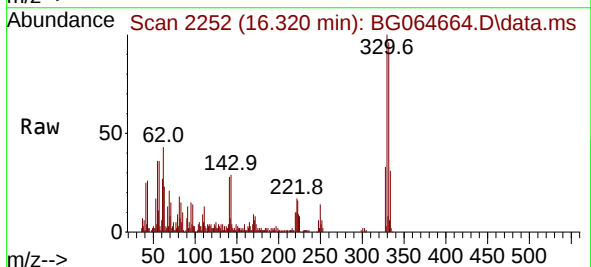
Instrument :
BNA_G
ClientSampleId :

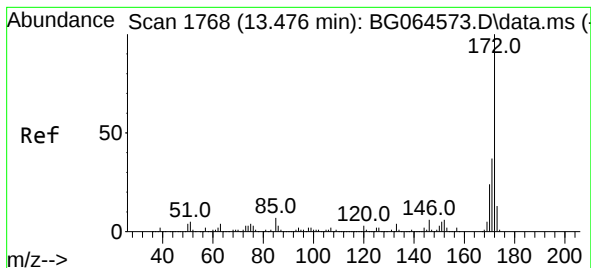
Tgt Ion:164 Resp: 122183
Ion Ratio Lower Upper
164 100
162 94.2 77.0 115.6
160 41.2 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 60.336 ng
RT: 16.320 min Scan# 2252
Delta R.T. -0.003 min
Lab File: BG064664.D
Acq: 31 Oct 2025 20:19

Tgt Ion:330 Resp: 106400
Ion Ratio Lower Upper
330 100
332 95.1 78.0 117.0
141 27.1 21.8 32.6

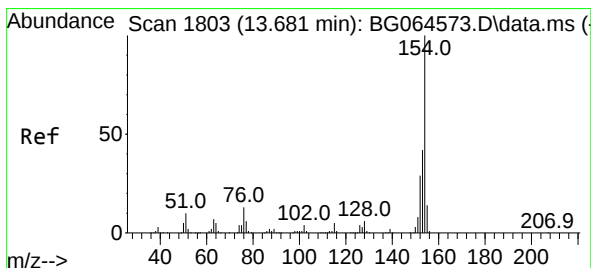
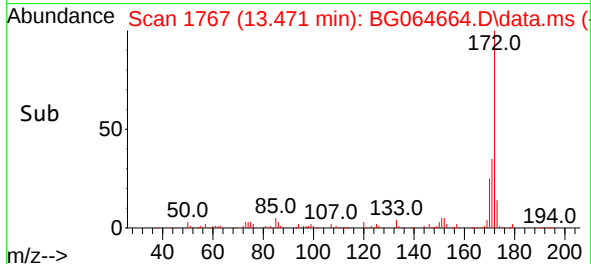
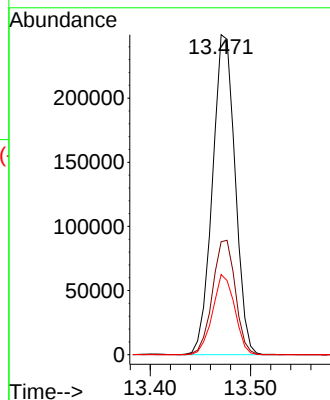
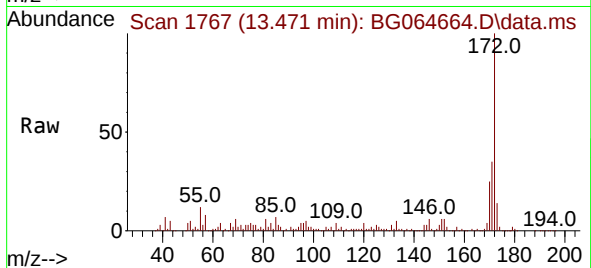




#45
2-Fluorobiphenyl
Concen: 48.588 ng
RT: 13.471 min Scan# 1767
Delta R.T. -0.008 min
Lab File: BG064664.D
Acq: 31 Oct 2025 20:19

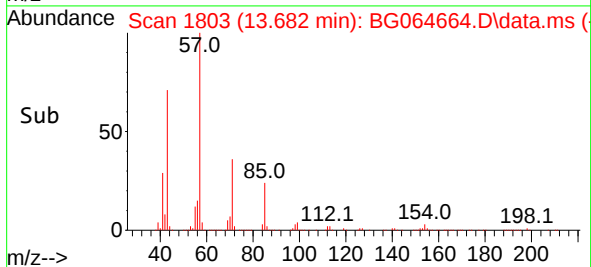
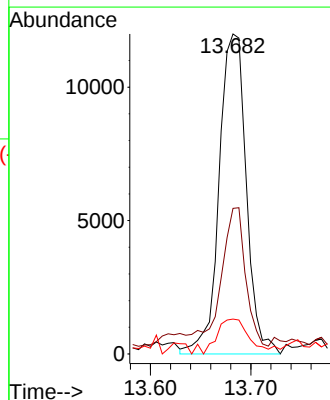
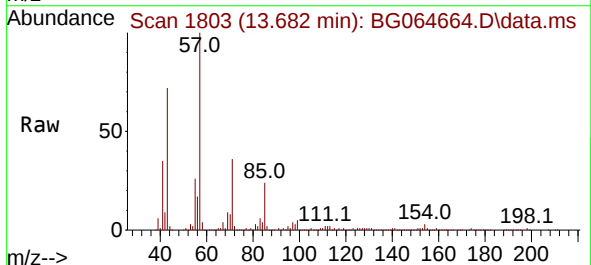
Instrument :
BNA_G
ClientSampleId :

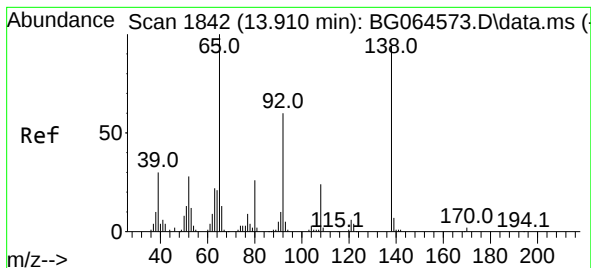
Tgt Ion:172 Resp: 391667
Ion Ratio Lower Upper
172 100
171 35.3 29.4 44.0
170 25.1 19.1 28.7



#46
1,1'-Biphenyl
Concen: 2.591 ng
RT: 13.682 min Scan# 1803
Delta R.T. -0.003 min
Lab File: BG064664.D
Acq: 31 Oct 2025 20:19

Tgt Ion:154 Resp: 22505
Ion Ratio Lower Upper
154 100
153 45.5 22.4 62.4
76 10.9 0.0 33.5





#48

2-Nitroaniline

Concen: 3.503 ng

RT: 13.911 min Scan# 1842

Delta R.T. -0.003 min

Lab File: BG064664.D

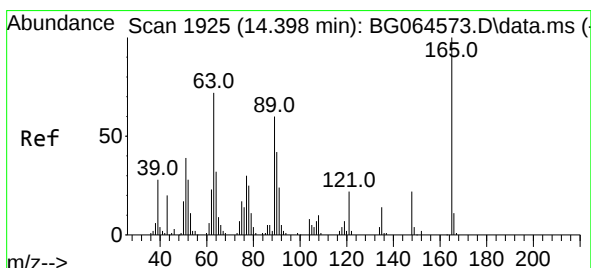
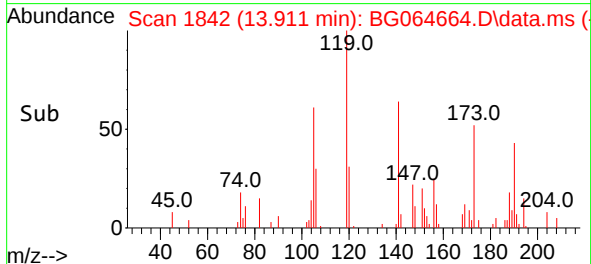
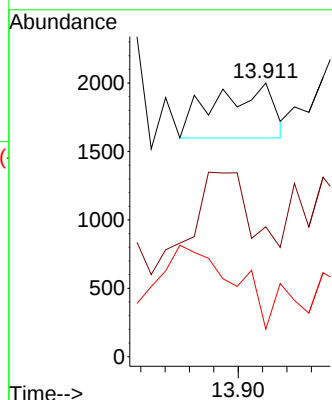
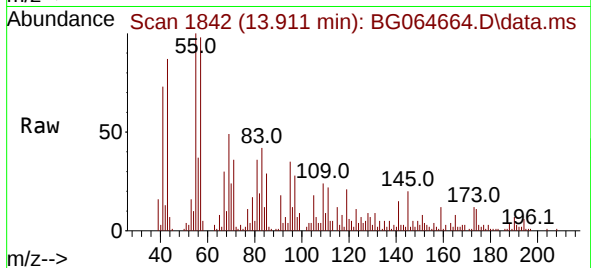
Acq: 31 Oct 2025 20:19

Instrument :

BNA_G

ClientSampleId :

Tgt Ion:	65	Resp:	656
Ion Ratio	Lower	Upper	
65	100		
92	47.5	48.3	72.5#
138	10.0	74.9	112.3#



#51

2,6-Dinitrotoluene

Concen: 3.920 ng

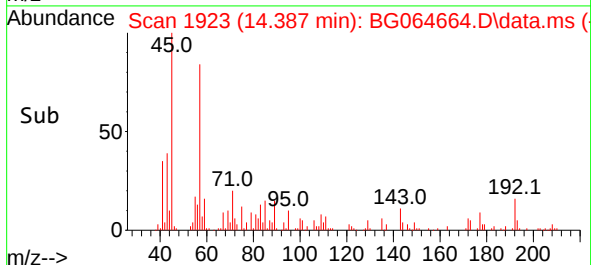
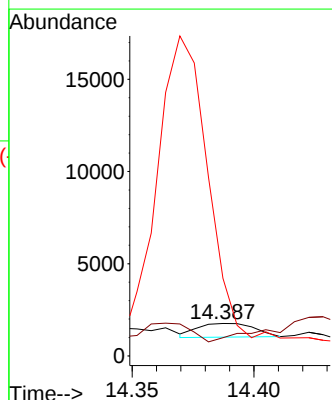
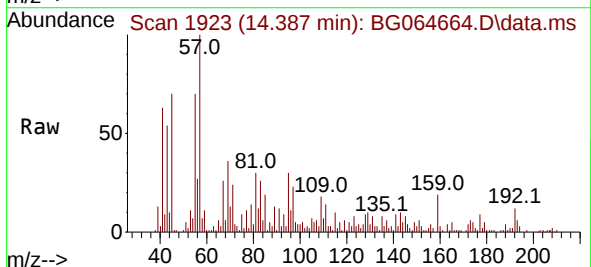
RT: 14.387 min Scan# 1923

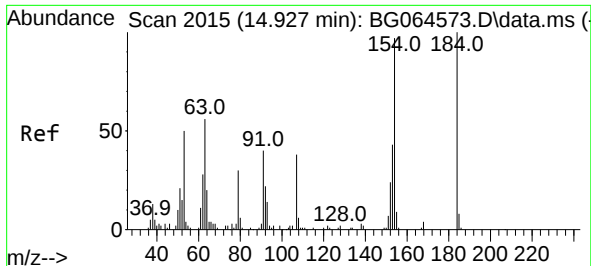
Delta R.T. -0.015 min

Lab File: BG064664.D

Acq: 31 Oct 2025 20:19

Tgt Ion:	165	Resp:	1201
Ion Ratio	Lower	Upper	
165	100		
63	56.0	57.4	86.0#
89	239.4	47.8	71.8#

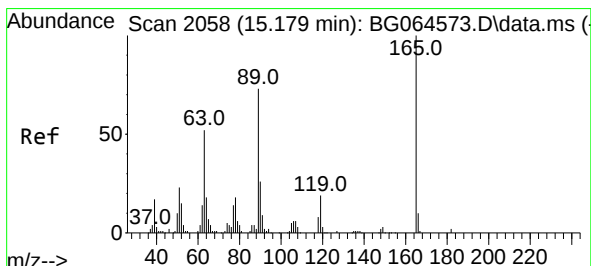
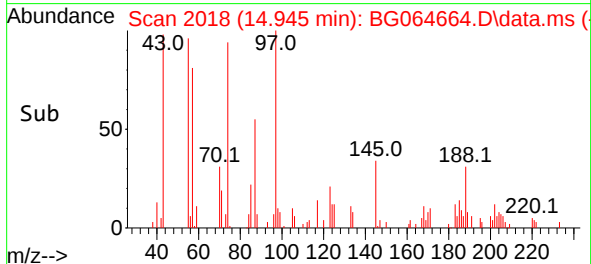
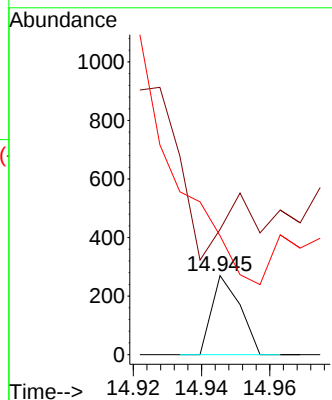
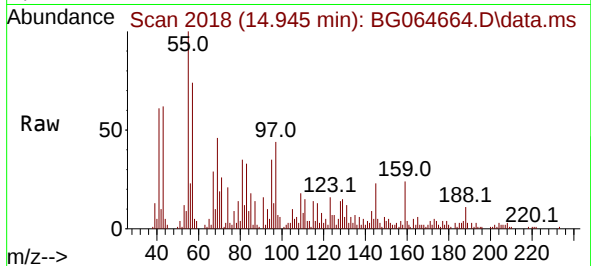




#54
2,4-Dinitrophenol
Concen: 5.724 ng
RT: 14.945 min Scan# 2015
Delta R.T. 0.015 min
Lab File: BG064664.D
Acq: 31 Oct 2025 20:19

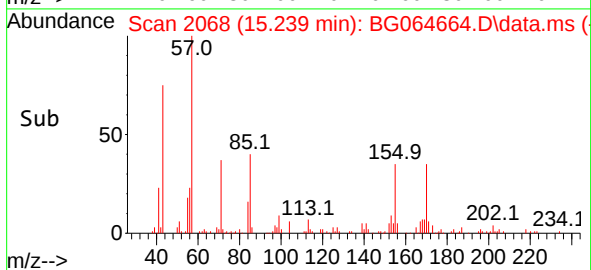
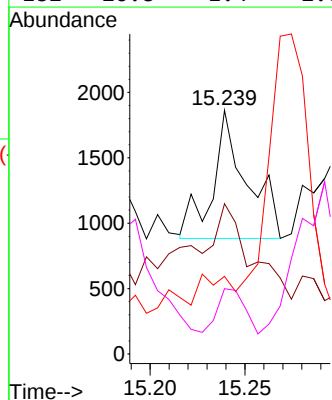
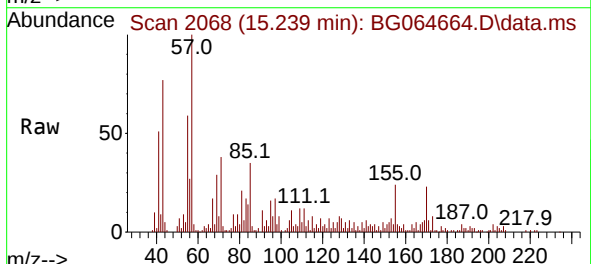
Instrument :
BNA_G
ClientSampleId :

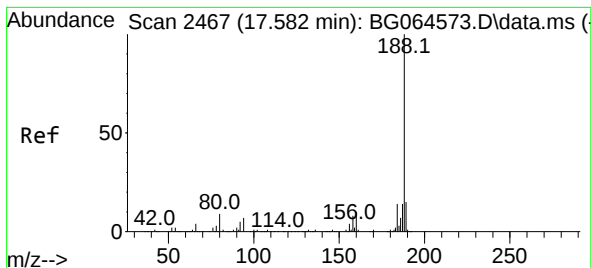
Tgt Ion:184 Resp: 155
Ion Ratio Lower Upper
184 100
63 158.5 56.6 85.0#
154 150.4 158.6 238.0#



#57
2,4-Dinitrotoluene
Concen: 3.535 ng
RT: 15.239 min Scan# 2068
Delta R.T. 0.050 min
Lab File: BG064664.D
Acq: 31 Oct 2025 20:19

Tgt Ion:165 Resp: 1233
Ion Ratio Lower Upper
165 100
63 61.6 41.8 62.8
89 31.9 58.1 87.1#
182 26.8 1.4 2.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.578 min Scan# 24

Delta R.T. -0.002 min

Lab File: BG064664.D

Acq: 31 Oct 2025 20:19

Instrument :

BNA_G

ClientSampleId :

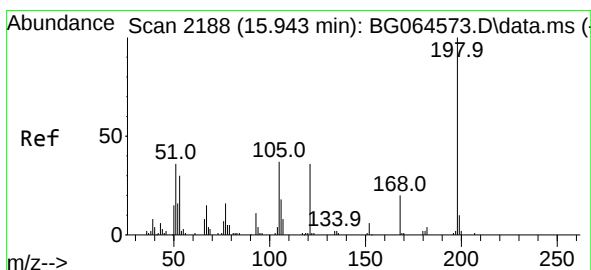
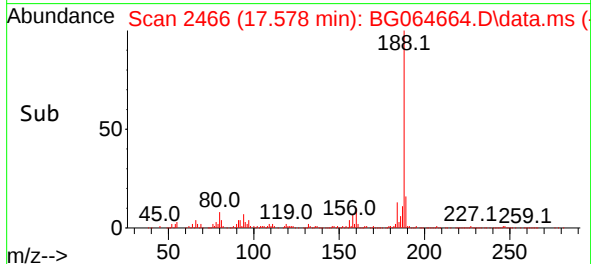
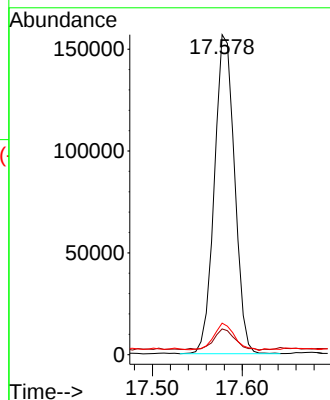
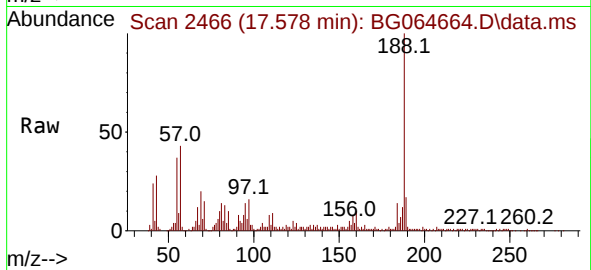
Tgt Ion:188 Resp: 244237

Ion Ratio Lower Upper

188 100

94 8.0 5.7 8.5

80 9.9 6.8 10.2



#65

4,6-Dinitro-2-methylphenol

Concen: 5.486 ng

RT: 15.956 min Scan# 2190

Delta R.T. 0.009 min

Lab File: BG064664.D

Acq: 31 Oct 2025 20:19

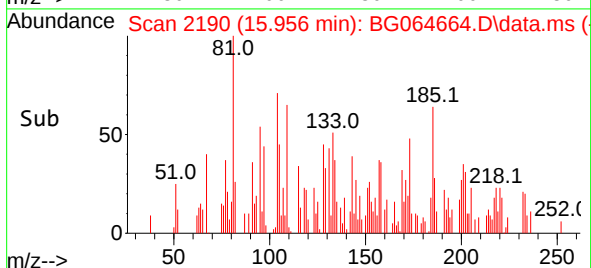
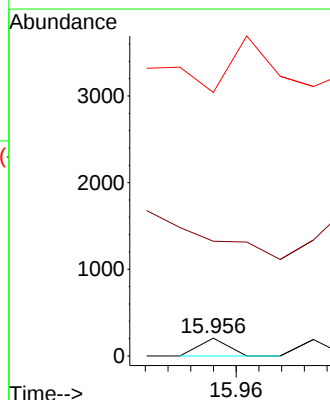
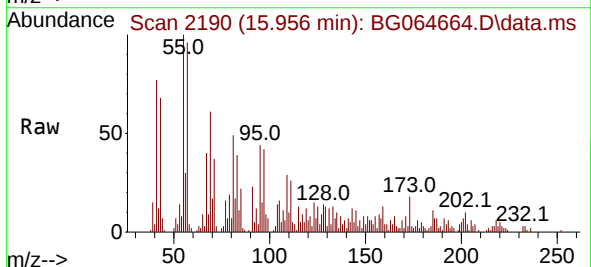
Tgt Ion:198 Resp: 72

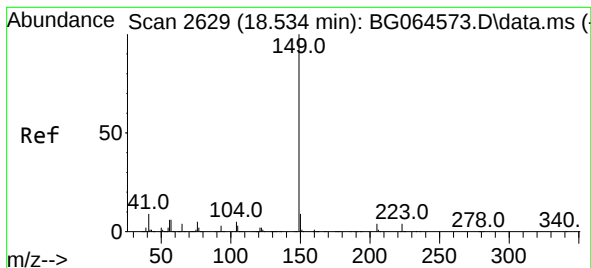
Ion Ratio Lower Upper

198 100

51 649.0 24.7 64.7#

105 1490.7 18.0 58.0#





#74

Di-n-butylphthalate

Concen: 7.177 ng

RT: 18.529 min Scan# 2

Delta R.T. -0.008 min

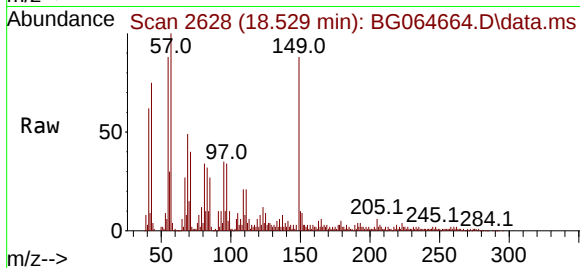
Lab File: BG064664.D

Acq: 31 Oct 2025 20:19

Instrument :

BNA_G

ClientSampleId :



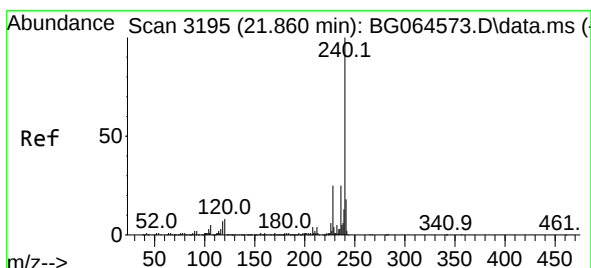
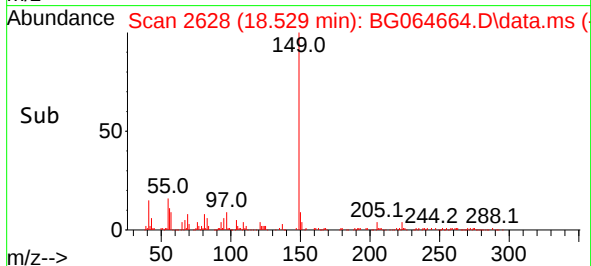
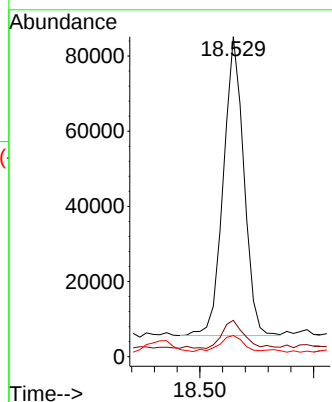
Tgt Ion:149 Resp: 99432

Ion Ratio Lower Upper

149 100

150 11.3 7.0 10.6#

104 6.6 4.1 6.1#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.867 min Scan# 3196

Delta R.T. 0.003 min

Lab File: BG064664.D

Acq: 31 Oct 2025 20:19

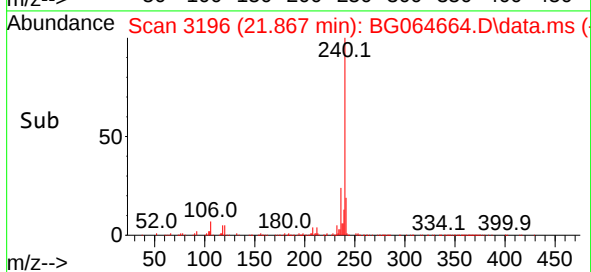
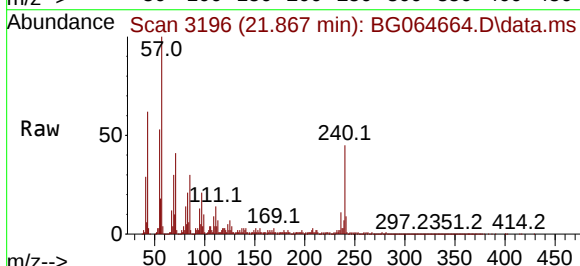
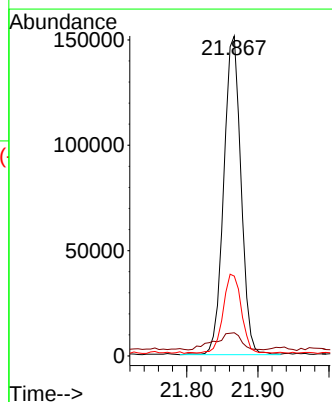
Tgt Ion:240 Resp: 254100

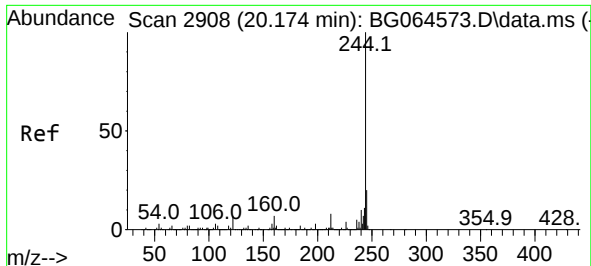
Ion Ratio Lower Upper

240 100

120 7.3 6.5 9.7

236 24.9 20.2 30.2

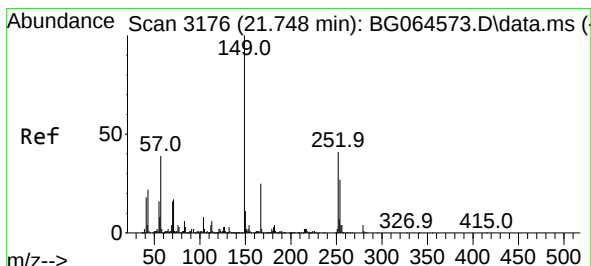
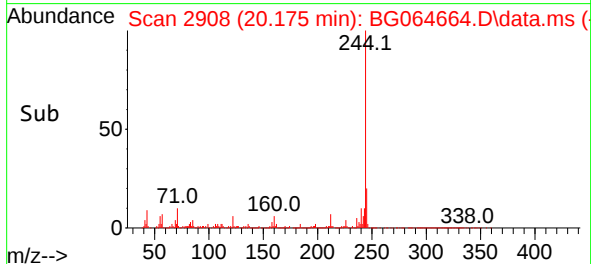
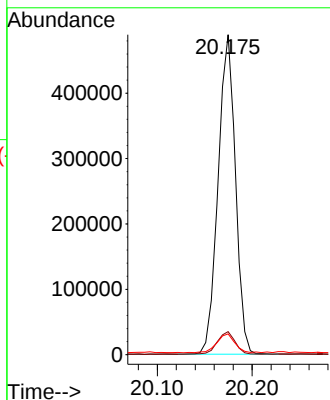
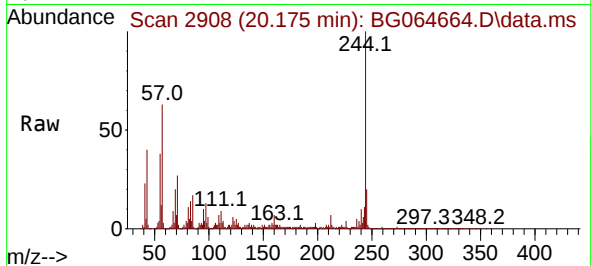




#79
 Terphenyl-d14
 Concen: 46.162 ng
 RT: 20.175 min Scan# 2908
 Delta R.T. -0.003 min
 Lab File: BG064664.D
 Acq: 31 Oct 2025 20:19

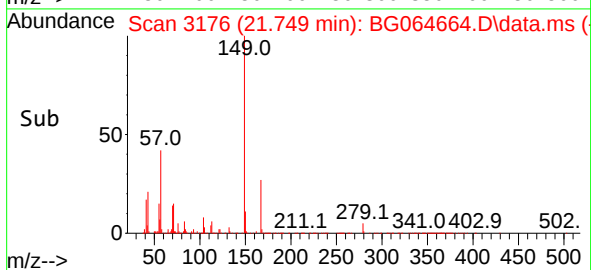
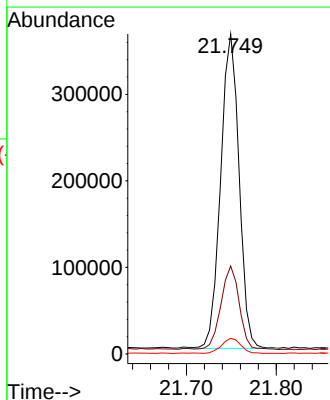
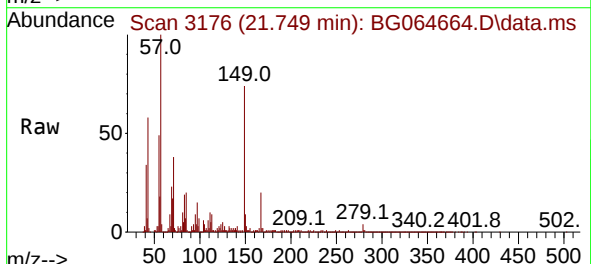
Instrument :
 BNA_G
 ClientSampleId :

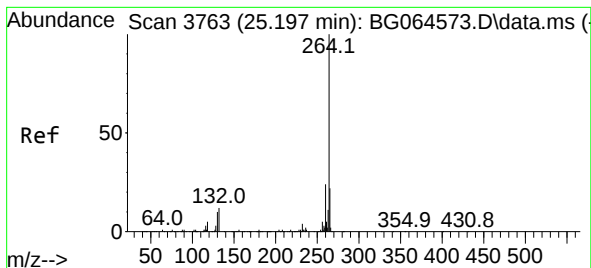
Tgt Ion:244 Resp: 621554
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.1 9.1
 122 6.5 5.6 8.4



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 68.964 ng
 RT: 21.749 min Scan# 3176
 Delta R.T. -0.003 min
 Lab File: BG064664.D
 Acq: 31 Oct 2025 20:19

Tgt Ion:149 Resp: 517061
 Ion Ratio Lower Upper
 149 100
 167 27.5 20.0 30.0
 279 4.9 3.1 4.7#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.227 min Scan# 31

Delta R.T. 0.027 min

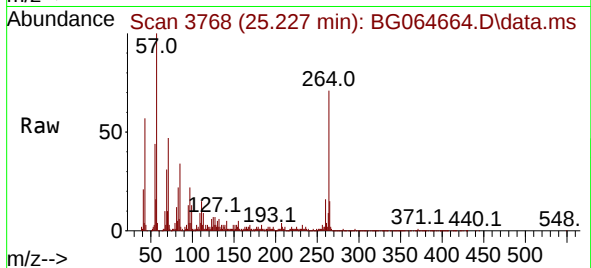
Lab File: BG064664.D

Acq: 31 Oct 2025 20:19

Instrument :

BNA_G

ClientSampleId :



Tgt Ion:264 Resp: 288731

Ion Ratio Lower Upper

264 100

260 23.1 19.0 28.4

265 20.8 17.6 26.4

