

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122223\
 Data File : BG060161.D
 Acq On : 23 Dec 2023 7:01
 Operator : MA/JU
 Sample : 05862-01
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-LIQUIDS-20231213-01

Quant Time: Dec 25 00:44:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 22 03:42:04 2023
 Response via : Initial Calibration

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

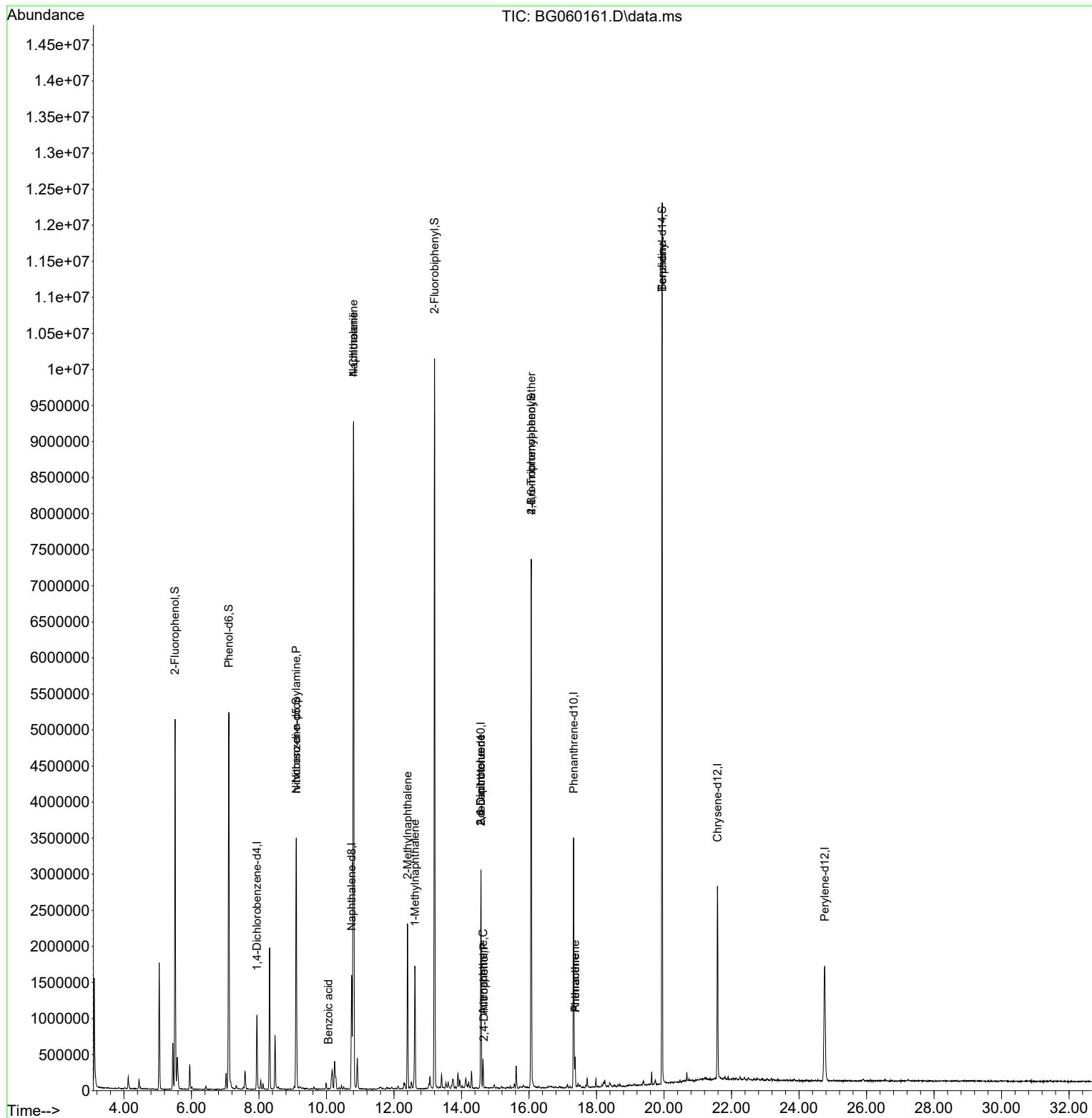
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.941	152	318844	20.000	ng	0.00
21) Naphthalene-d8	10.744	136	1431095	20.000	ng	0.00
39) Acenaphthene-d10	14.575	164	1070032	20.000	ng	0.00
64) Phenanthrene-d10	17.325	188	2316261	20.000	ng	0.00
76) Chrysene-d12	21.584	240	1583815	20.000	ng	-0.01
86) Perylene-d12	24.763	264	1789767	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.515	112	2341644	115.723	ng	0.00
7) Phenol-d6	7.107	99	3331148	97.818	ng	0.00
23) Nitrobenzene-d5	9.105	82	2296729	78.619	ng	0.00
42) 2,4,6-Tribromophenol	16.067	330	1482576	102.906	ng	0.00
45) 2-Fluorobiphenyl	13.200	172	5084777	71.353	ng	0.00
79) Terphenyl-d14	19.945	244	5348928	61.112	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.105	70	292187	11.034	ng	# 75
31) Naphthalene	10.803	128	7201729	94.530	ng	# 79
32) Benzoic acid	10.057	122	1131	5.148	ng	# 83
33) 4-Chloroaniline	10.803	127	1234241	37.486	ng	# 28
37) 2-Methylnaphthalene	12.401	142	1067286	18.051	ng	99
38) 1-Methylnaphthalene	12.624	142	819928	13.815	ng	98
51) 2,6-Dinitrotoluene	14.575	165	150235	7.980	ng	# 25
52) Acenaphthene	14.640	154	145513	2.374	ng	92
54) 2,4-Dinitrophenol	14.663	184	58	6.623	ng	# 1
57) 2,4-Dinitrotoluene	14.575	165	150235	5.436	ng	# 24
67) 4-Bromophenyl-phenylether	16.067	248	95332	4.369	ng	# 1
71) Phenanthrene	17.366	178	255287	2.187	ng	95
72) Anthracene	17.366	178	255287	2.173	ng	96
77) Benzidine	19.945	184	100248	2.341	ng	# 93

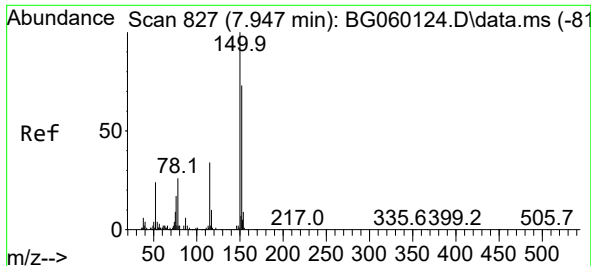
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 25 00:44:21 2023
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 22 03:42:04 2023
Response via : Initial Calibration

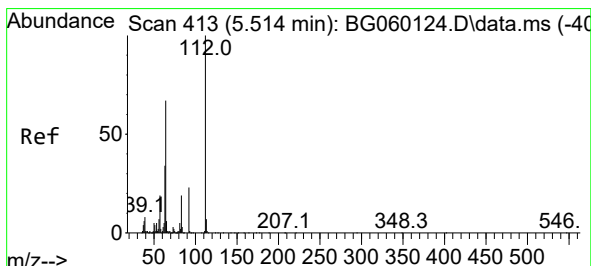
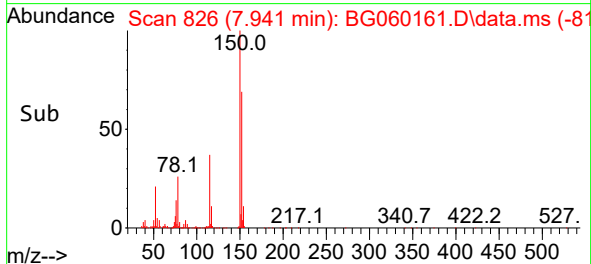
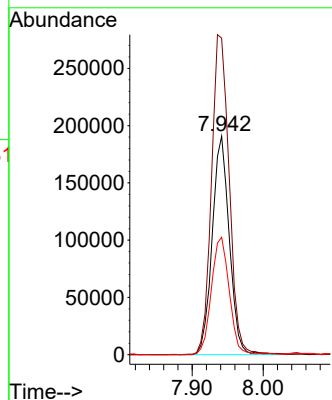
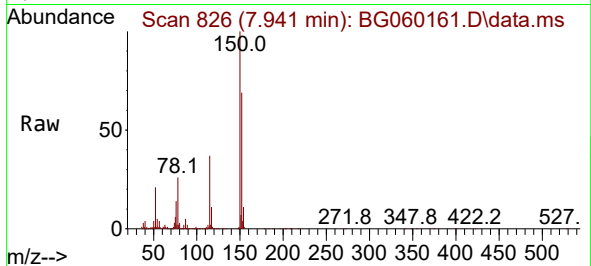




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.941 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG060161.D
Acq: 23 Dec 2023 7:01

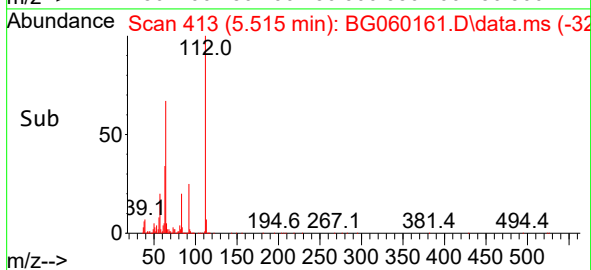
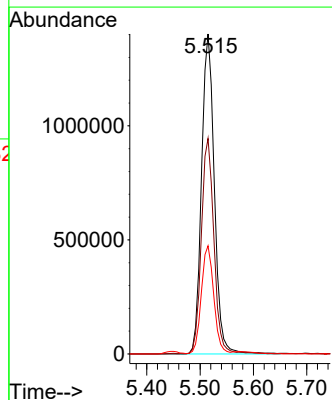
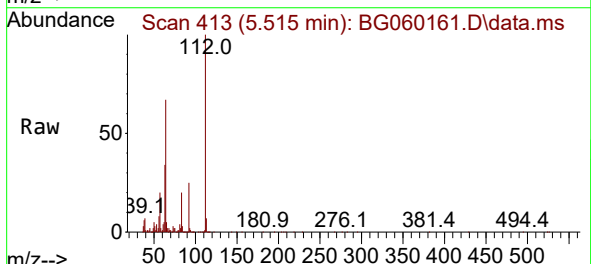
Instrument :
BNA_G
ClientSampleId :
WC-LIQUIDS-20231213-01

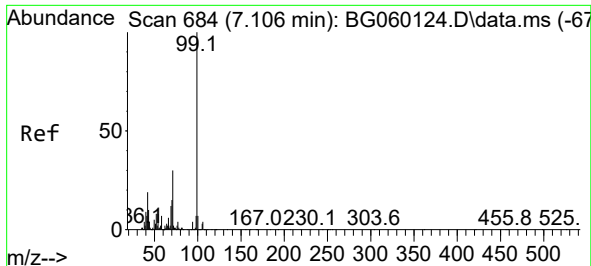
Tgt Ion:152 Resp: 318844
Ion Ratio Lower Upper
152 100
150 144.8 109.4 164.0
115 53.7 36.5 54.7



#5
2-Fluorophenol
Concen: 115.723 ng
RT: 5.515 min Scan# 413
Delta R.T. 0.001 min
Lab File: BG060161.D
Acq: 23 Dec 2023 7:01

Tgt Ion:112 Resp: 2341644
Ion Ratio Lower Upper
112 100
64 67.4 53.3 79.9
63 33.8 27.1 40.7

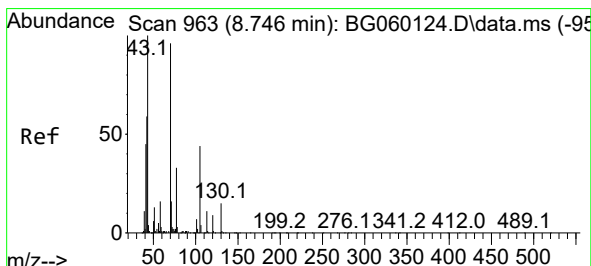
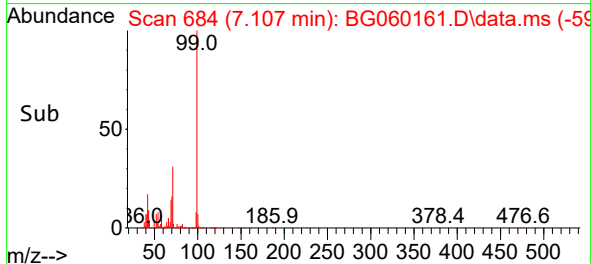
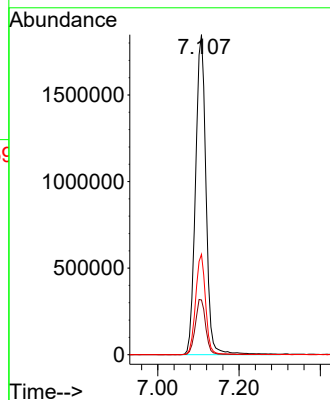
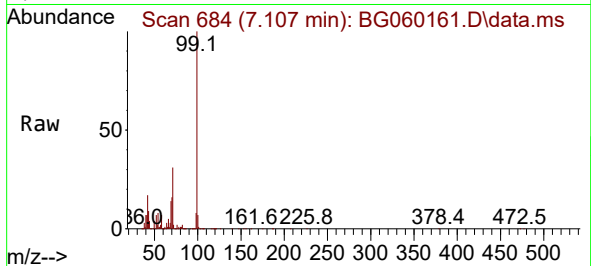




#7
Phenol-d6
Concen: 97.818 ng
RT: 7.107 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG060161.D
Acq: 23 Dec 2023 7:01

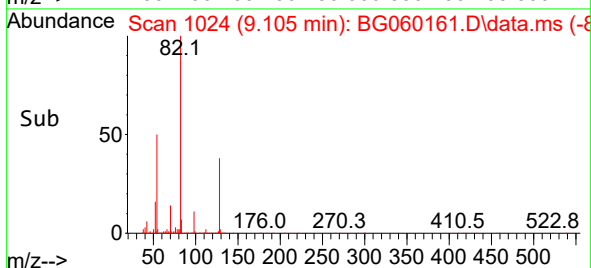
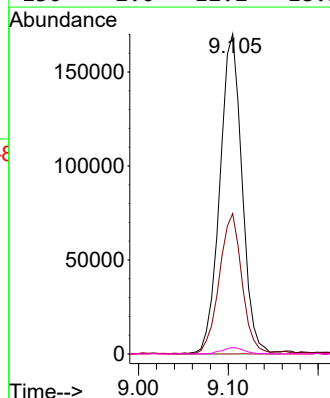
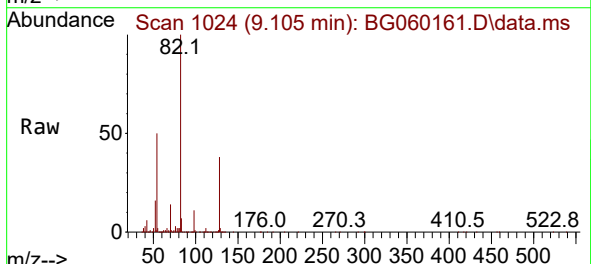
Instrument :
BNA_G
ClientSampleId :
WC-LIQUIDS-20231213-01

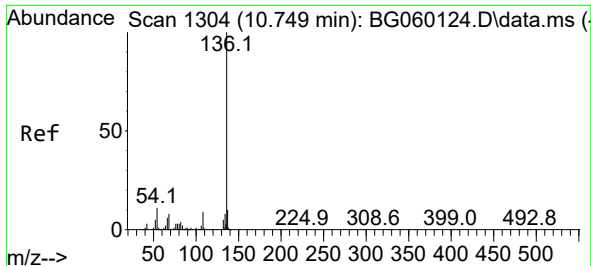
Tgt Ion: 99 Resp: 3331148
Ion Ratio Lower Upper
99 100
42 17.1 15.2 22.8
71 31.4 24.2 36.2



#19
n-Nitroso-di-n-propylamine
Concen: 11.034 ng
RT: 9.105 min Scan# 1024
Delta R.T. 0.359 min
Lab File: BG060161.D
Acq: 23 Dec 2023 7:01

Tgt Ion: 70 Resp: 292187
Ion Ratio Lower Upper
70 100
42 43.9 49.6 74.4#
101 0.0 6.2 9.4#
130 2.0 12.2 18.2#

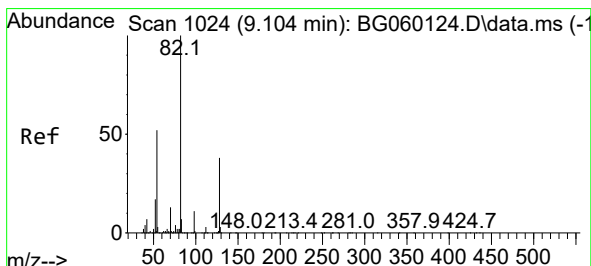
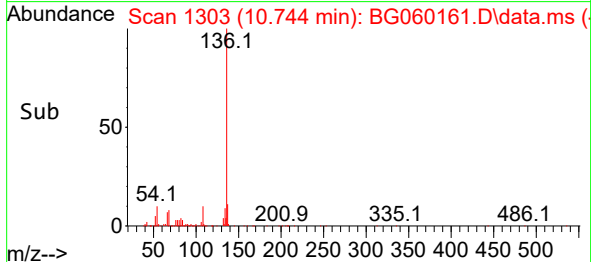
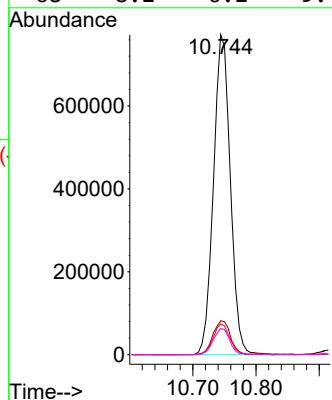
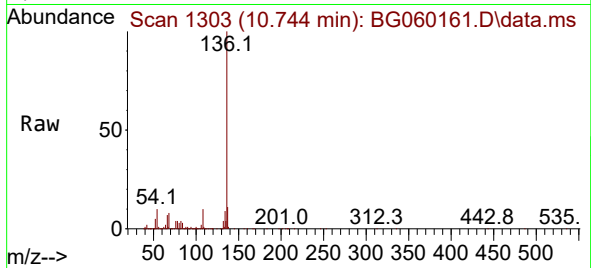




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.744 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG060161.D
Acq: 23 Dec 2023 7:01

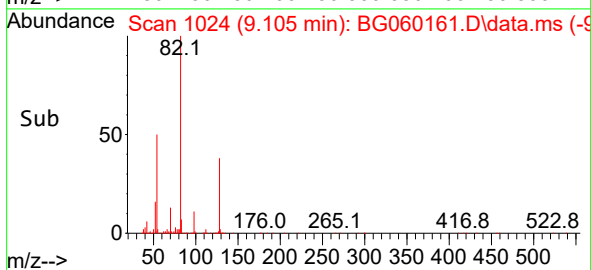
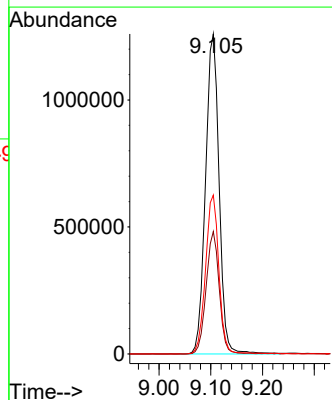
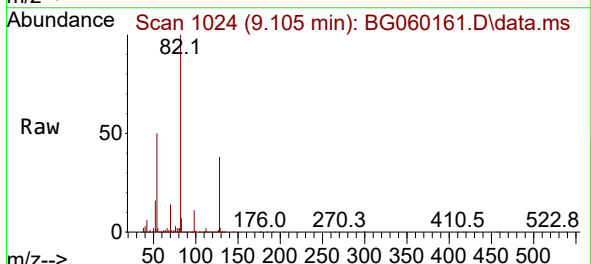
Instrument :
BNA_G
ClientSampleId :
WC-LIQUIDS-20231213-01

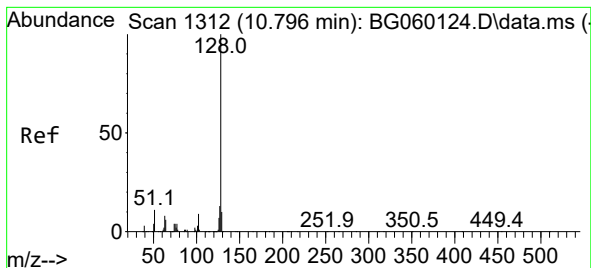
Tgt Ion:136 Resp: 1431095
Ion Ratio Lower Upper
136 100
137 10.6 8.1 12.1
54 9.7 8.7 13.1
68 8.2 6.2 9.4



#23
Nitrobenzene-d5
Concen: 78.619 ng
RT: 9.105 min Scan# 1024
Delta R.T. 0.001 min
Lab File: BG060161.D
Acq: 23 Dec 2023 7:01

Tgt Ion: 82 Resp: 2296729
Ion Ratio Lower Upper
82 100
128 38.3 30.5 45.7
54 49.7 41.9 62.9





#31

Naphthalene

Concen: 94.530 ng

RT: 10.803 min Scan# 1186

Delta R.T. 0.007 min

Lab File: BG060161.D

Acq: 23 Dec 2023 7:01

Instrument :

BNA_G

ClientSampleId :

WC-LIQUIDS-20231213-01

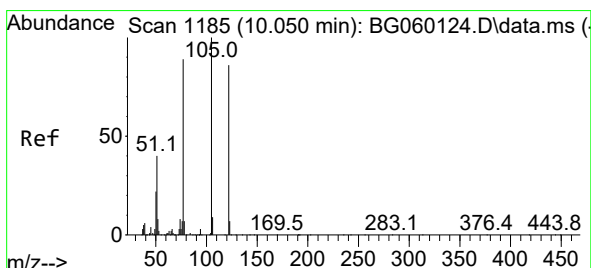
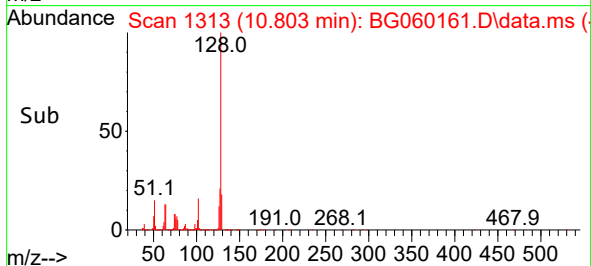
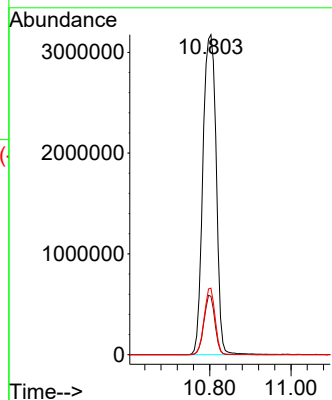
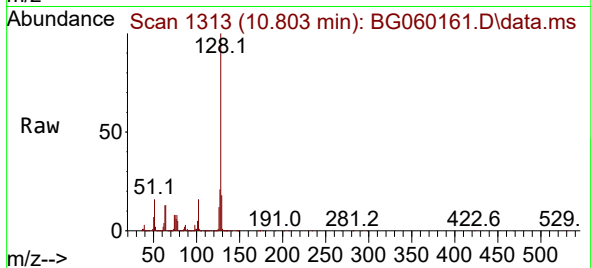
Tgt Ion:128 Resp: 7201729

Ion Ratio Lower Upper

128 100

129 18.3 7.8 11.8#

127 20.8 10.3 15.5#



#32

Benzoic acid

Concen: 5.148 ng

RT: 10.057 min Scan# 1186

Delta R.T. 0.007 min

Lab File: BG060161.D

Acq: 23 Dec 2023 7:01

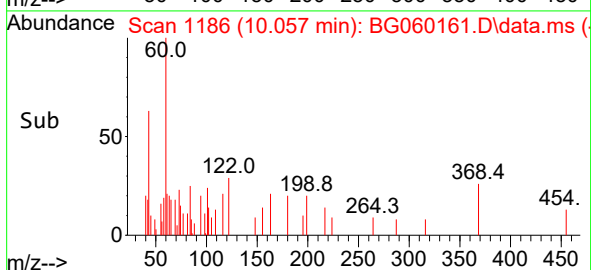
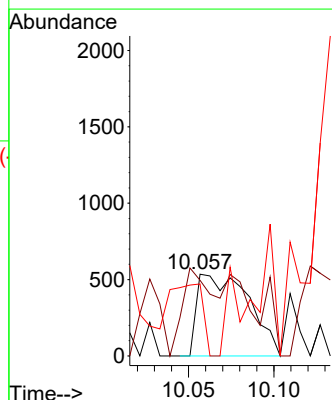
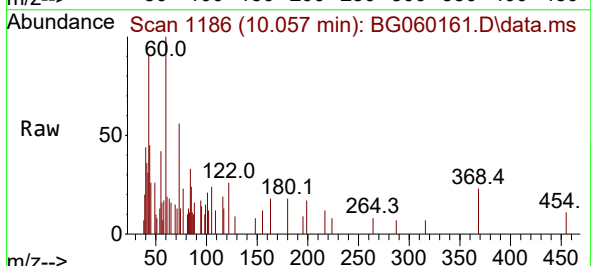
Tgt Ion:122 Resp: 1131

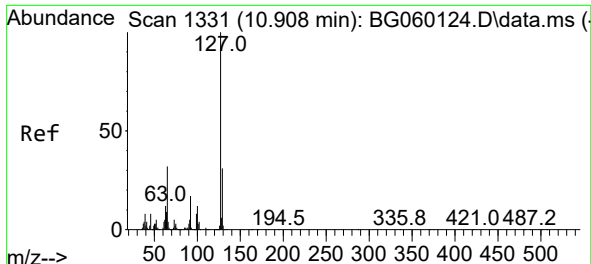
Ion Ratio Lower Upper

122 100

105 92.5 93.2 133.2#

77 88.0 81.7 121.7

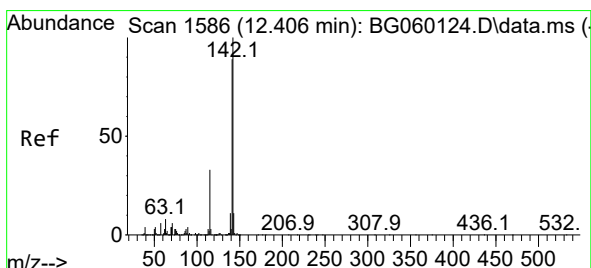
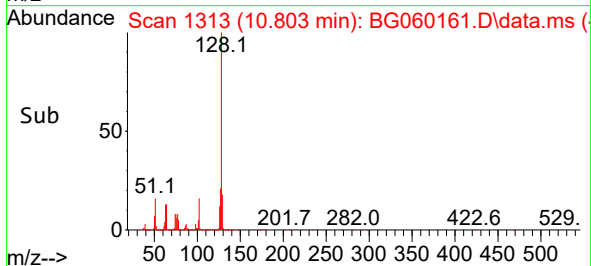
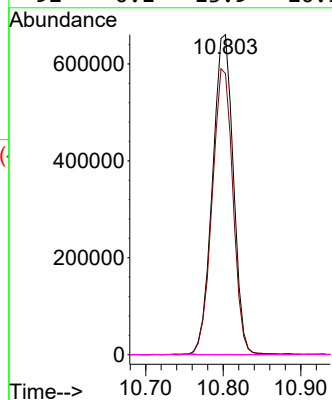
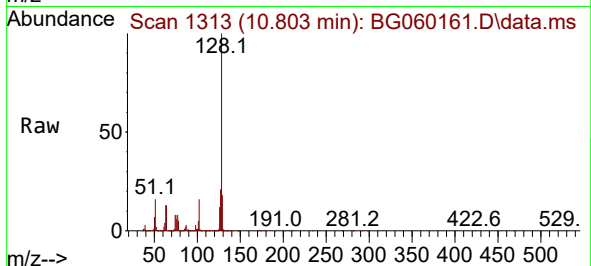




#33
4-Chloroaniline
Concen: 37.486 ng
RT: 10.803 min Scan# 11
Delta R.T. -0.105 min
Lab File: BG060161.D
Acq: 23 Dec 2023 7:01

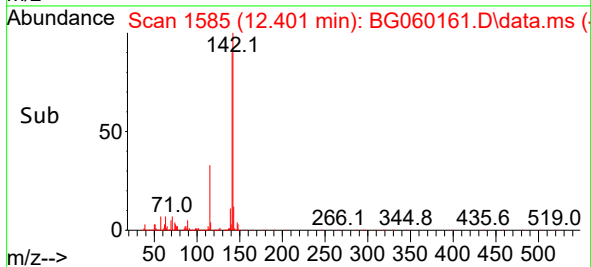
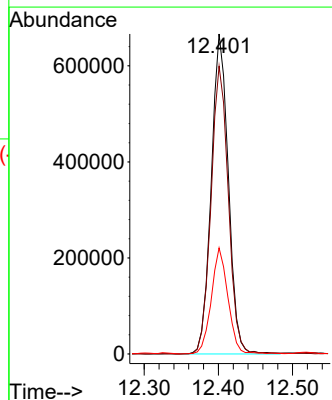
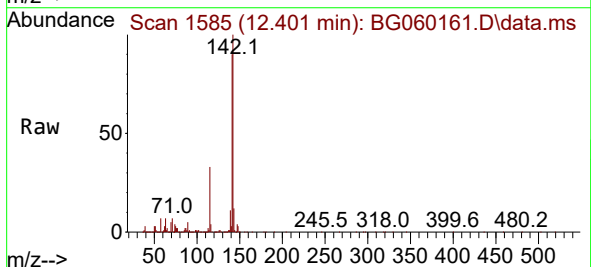
Instrument :
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WC-LIQUIDS-20231213-01

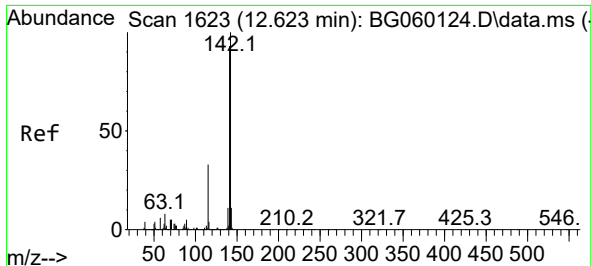
Tgt Ion:127 Resp: 1234241
Ion Ratio Lower Upper
127 100
129 87.9 24.6 36.8#
65 0.0 25.7 38.5#
92 0.1 13.9 20.9#



#37
2-Methylnaphthalene
Concen: 18.051 ng
RT: 12.401 min Scan# 1585
Delta R.T. -0.005 min
Lab File: BG060161.D
Acq: 23 Dec 2023 7:01

Tgt Ion:142 Resp: 1067286
Ion Ratio Lower Upper
142 100
141 89.9 71.5 107.3
115 33.1 26.1 39.1

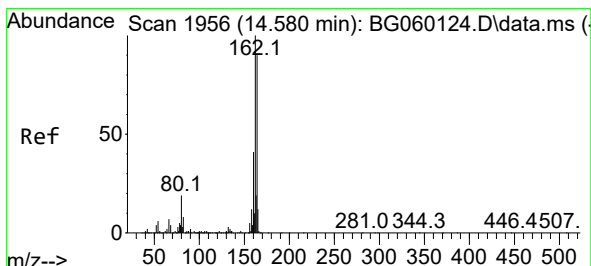
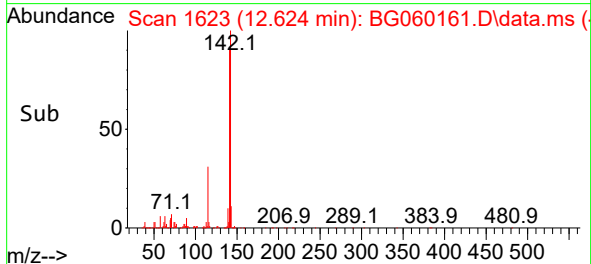
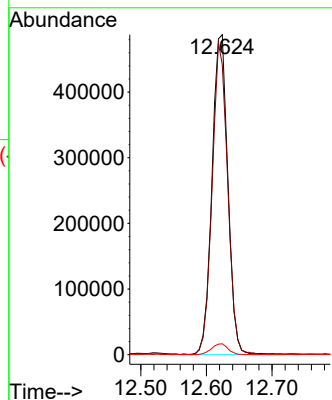
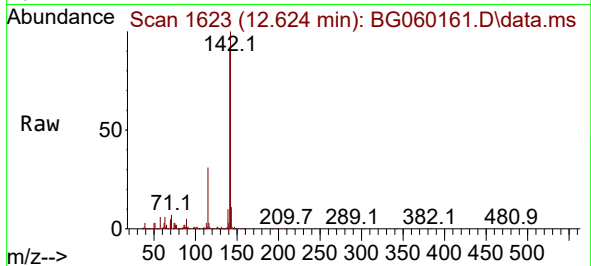




#38
1-Methylnaphthalene
Concen: 13.815 ng
RT: 12.624 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG060161.D
Acq: 23 Dec 2023 7:01

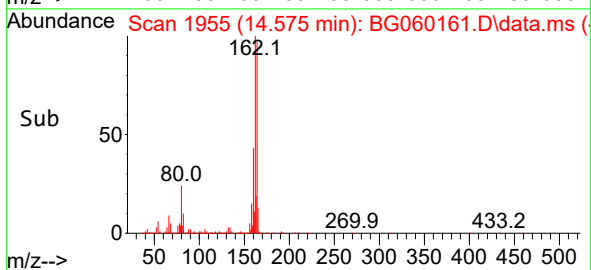
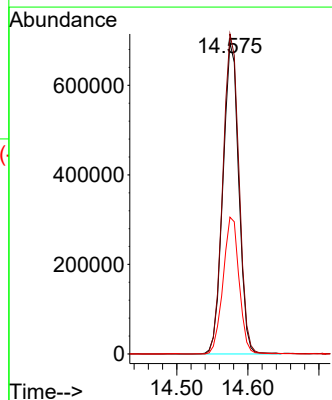
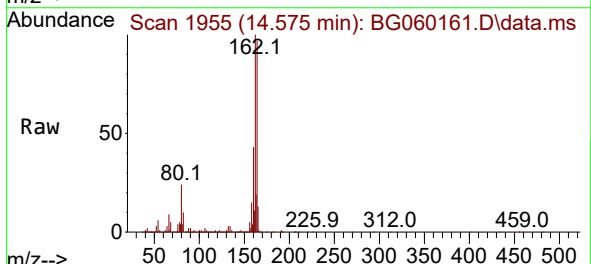
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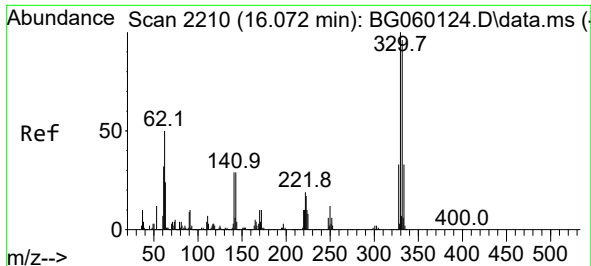
Tgt Ion:142 Resp: 819928
Ion Ratio Lower Upper
142 100
141 90.6 74.4 111.6
116 3.4 2.9 4.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.575 min Scan# 1955
Delta R.T. -0.005 min
Lab File: BG060161.D
Acq: 23 Dec 2023 7:01

Tgt Ion:164 Resp: 1070032
Ion Ratio Lower Upper
164 100
162 102.8 88.5 132.7
160 44.0 36.2 54.2

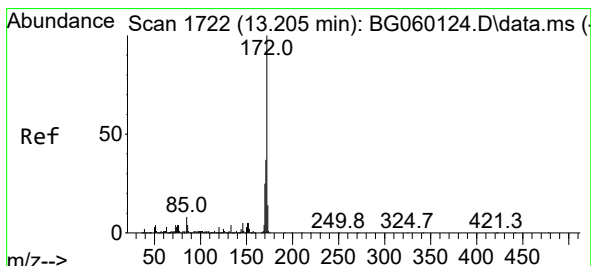
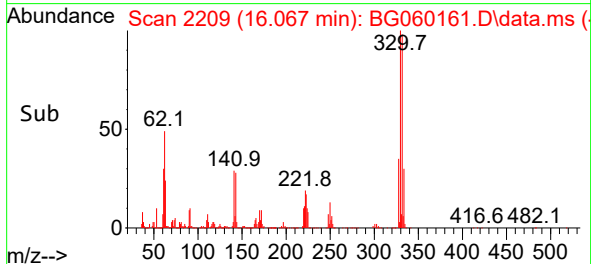
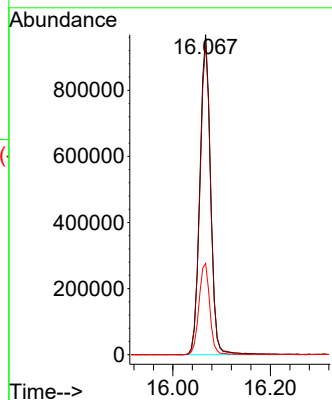
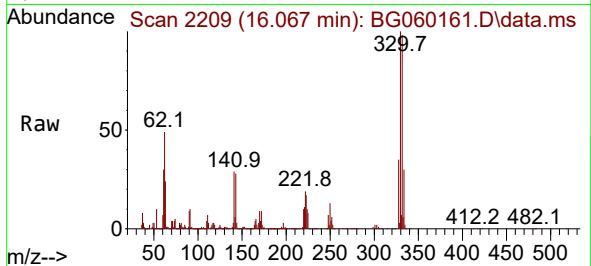




#42
2,4,6-Tribromophenol
Concen: 102.906 ng
RT: 16.067 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG060161.D
Acq: 23 Dec 2023 7:01

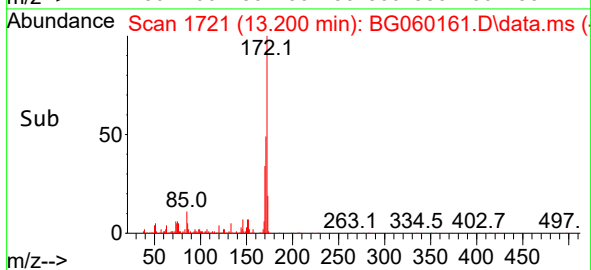
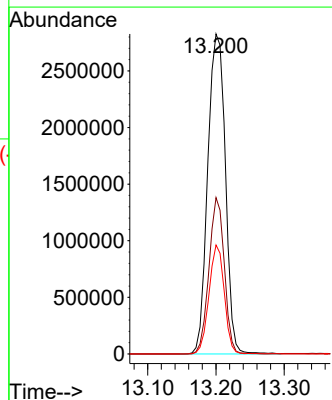
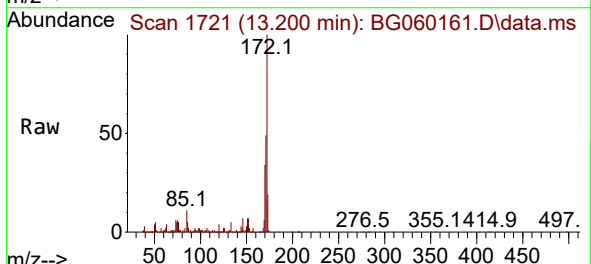
Instrument :
BNA_G
ClientSampleId :
WC-LIQUIDS-20231213-01

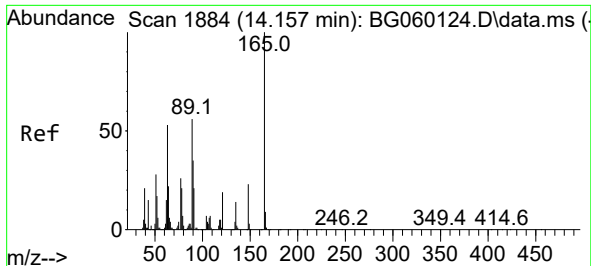
Tgt Ion:330 Resp: 1482576
Ion Ratio Lower Upper
330 100
332 96.9 75.5 113.3
141 28.7 24.7 37.1



#45
2-Fluorobiphenyl
Concen: 71.353 ng
RT: 13.200 min Scan# 1721
Delta R.T. -0.005 min
Lab File: BG060161.D
Acq: 23 Dec 2023 7:01

Tgt Ion:172 Resp: 5084777
Ion Ratio Lower Upper
172 100
171 48.8 29.2 43.8#
170 34.1 20.1 30.1#

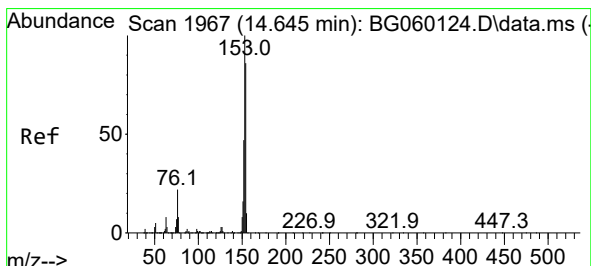
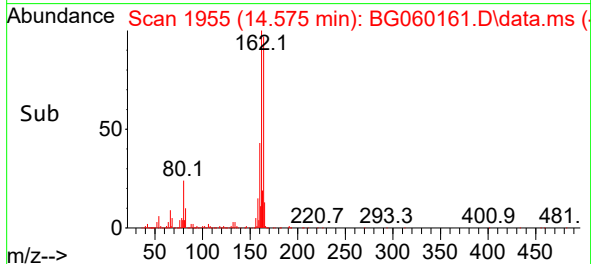
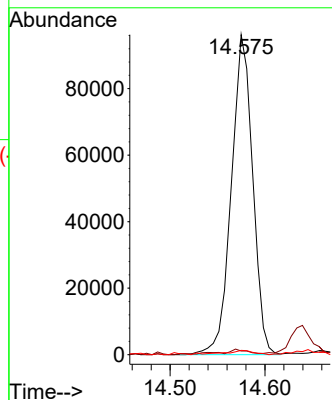
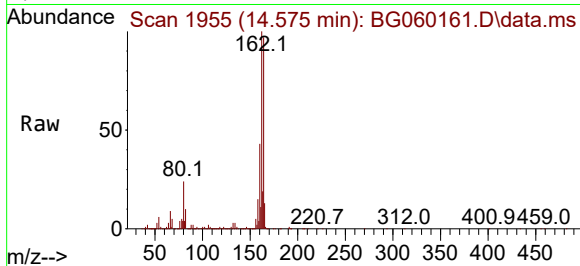




#51
2,6-Dinitrotoluene
Concen: 7.980 ng
RT: 14.575 min Scan# 1955
Delta R.T. 0.418 min
Lab File: BG060161.D
Acq: 23 Dec 2023 7:01

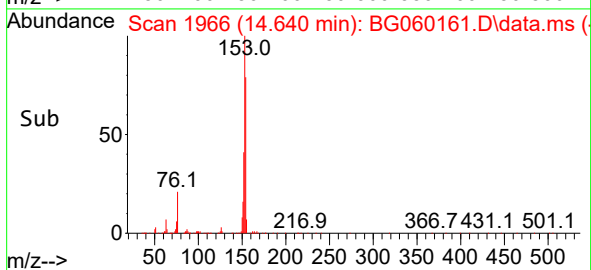
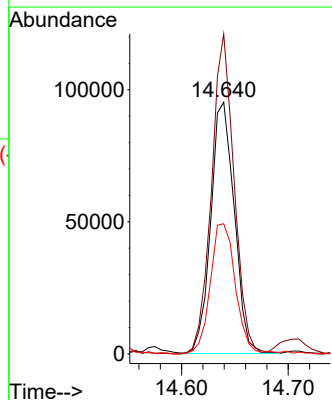
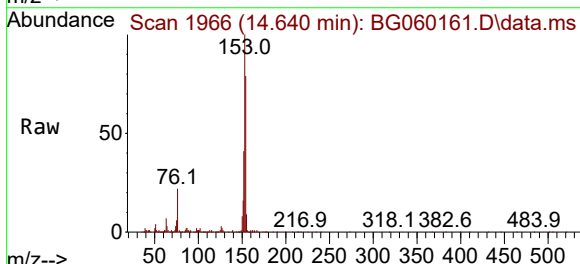
Instrument :
BNA_G
ClientSampleId :
WC-LIQUIDS-20231213-01

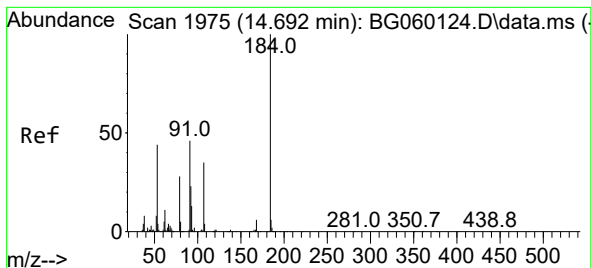
Tgt Ion:165 Resp: 150235
Ion Ratio Lower Upper
165 100
63 1.1 45.4 68.2#
89 1.3 44.6 66.8#



#52
Acenaphthene
Concen: 2.374 ng
RT: 14.640 min Scan# 1966
Delta R.T. -0.005 min
Lab File: BG060161.D
Acq: 23 Dec 2023 7:01

Tgt Ion:154 Resp: 145513
Ion Ratio Lower Upper
154 100
153 127.2 92.9 139.3
152 51.7 43.3 64.9

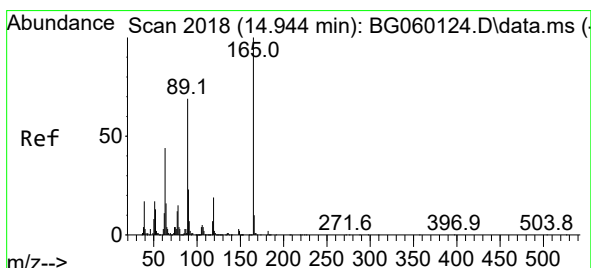
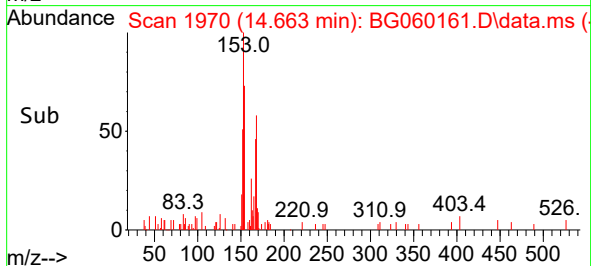
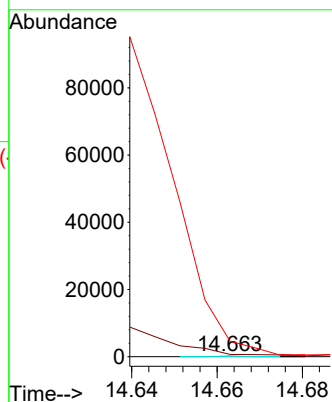
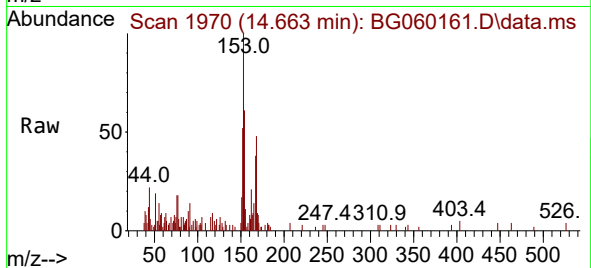




#54
2,4-Dinitrophenol
Concen: 6.623 ng
RT: 14.663 min Scan# 1955
Delta R.T. -0.029 min
Lab File: BG060161.D
Acq: 23 Dec 2023 7:01

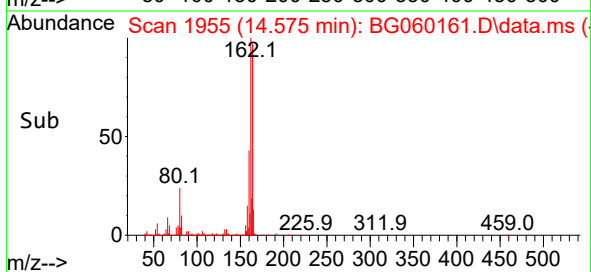
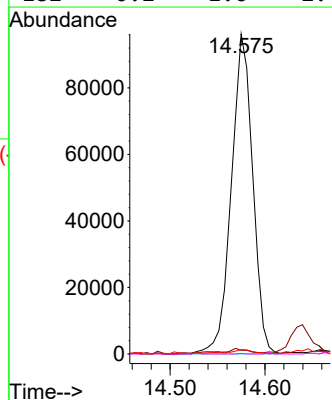
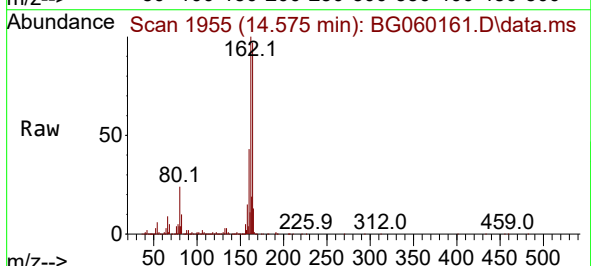
Instrument :
BNA_G
ClientSampleId :
WC-LIQUIDS-20231213-01

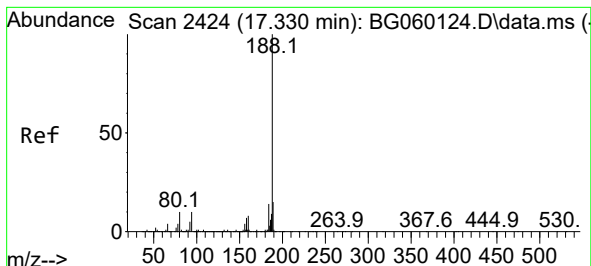
Tgt Ion:184 Resp: 58
Ion Ratio Lower Upper
184 100
63 397.6 48.1 72.1#
154 2766.7 44.3 66.5#



#57
2,4-Dinitrotoluene
Concen: 5.436 ng
RT: 14.575 min Scan# 1955
Delta R.T. -0.369 min
Lab File: BG060161.D
Acq: 23 Dec 2023 7:01

Tgt Ion:165 Resp: 150235
Ion Ratio Lower Upper
165 100
63 1.1 35.4 53.0#
89 1.3 55.6 83.4#
182 0.2 1.6 2.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.325 min Scan# 24

Delta R.T. -0.005 min

Lab File: BG060161.D

Acq: 23 Dec 2023 7:01

Instrument :

BNA_G

ClientSampleId :

WC-LIQUIDS-20231213-01

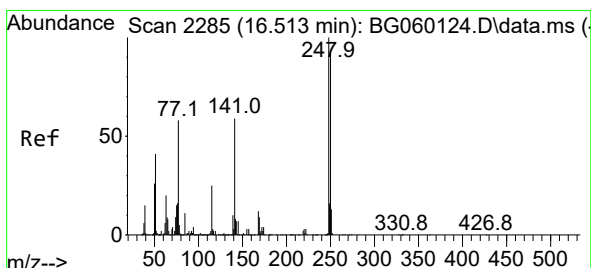
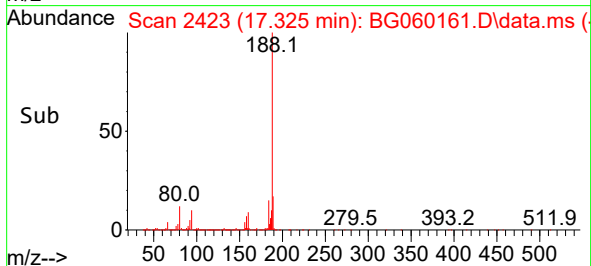
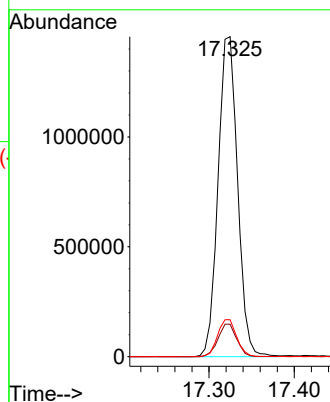
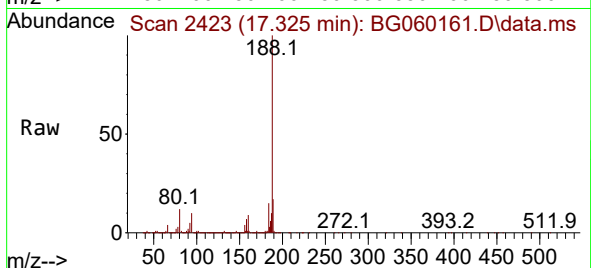
Tgt Ion:188 Resp: 2316261

Ion Ratio Lower Upper

188 100

94 10.2 7.6 11.4

80 11.5 7.9 11.9



#67

4-Bromophenyl-phenylether

Concen: 4.369 ng

RT: 16.067 min Scan# 2209

Delta R.T. -0.446 min

Lab File: BG060161.D

Acq: 23 Dec 2023 7:01

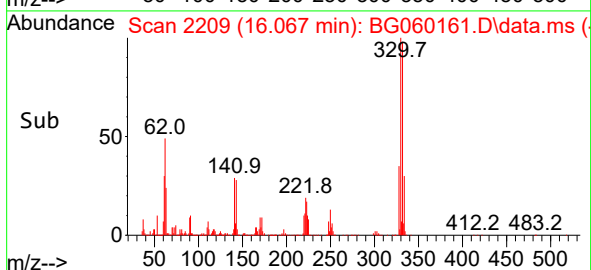
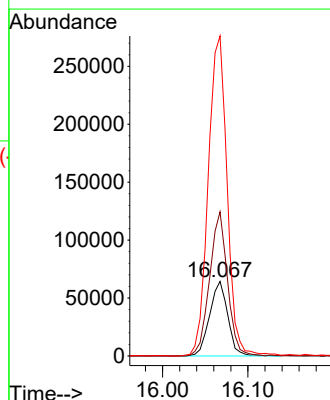
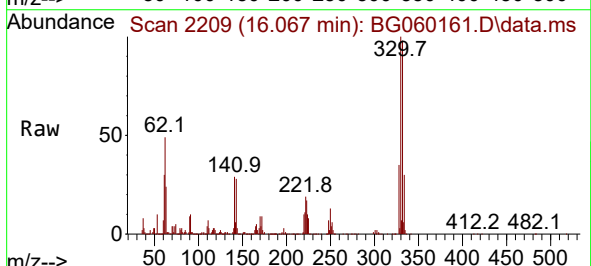
Tgt Ion:248 Resp: 95332

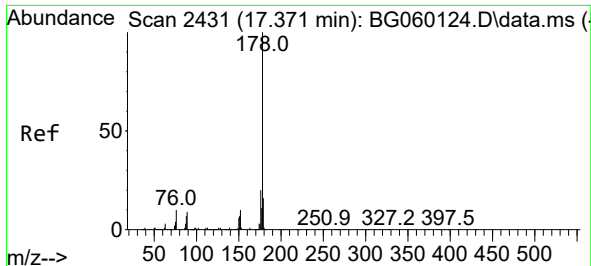
Ion Ratio Lower Upper

248 100

250 193.4 74.5 111.7#

141 429.2 47.4 71.0#

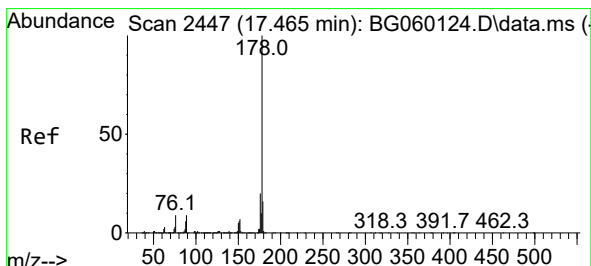
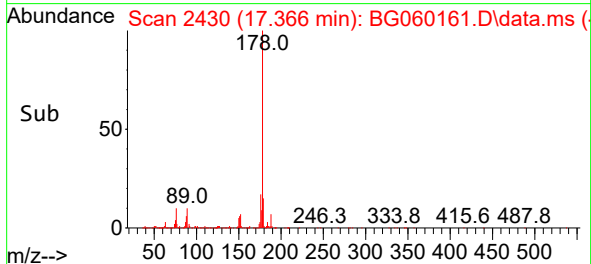
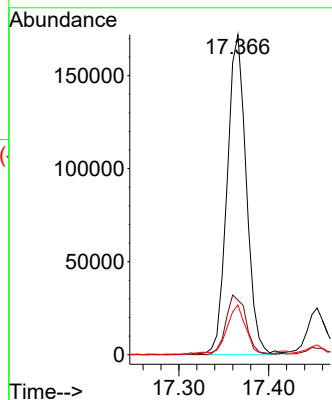
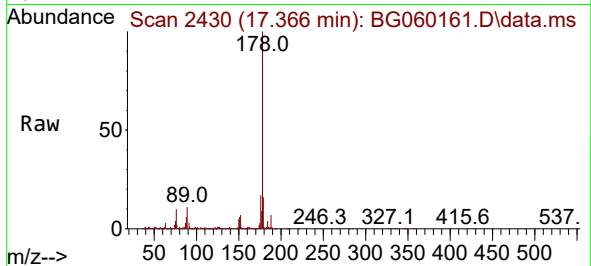




#71
Phenanthrene
Concen: 2.187 ng
RT: 17.366 min Scan# 2431
Delta R.T. -0.005 min
Lab File: BG060161.D
Acq: 23 Dec 2023 7:01

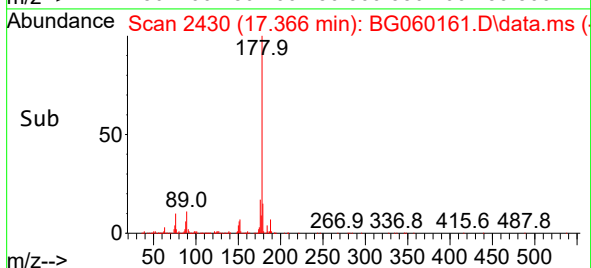
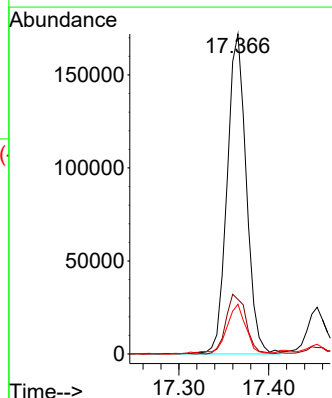
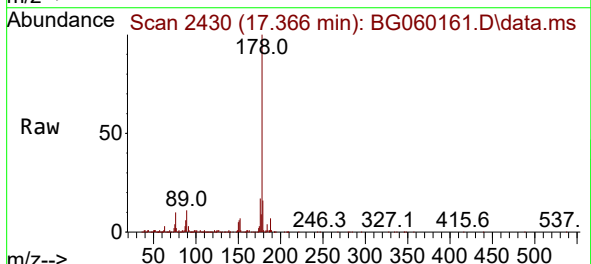
Instrument :
BNA_G
ClientSampleId :
WC-LIQUIDS-20231213-01

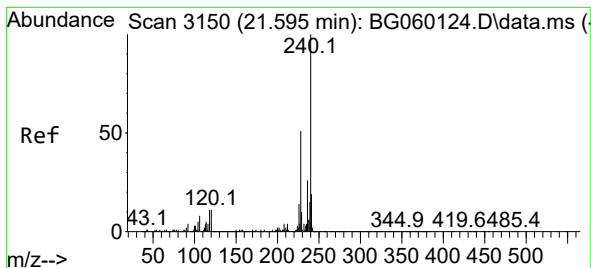
Tgt Ion:178 Resp: 255287
Ion Ratio Lower Upper
178 100
176 17.1 16.0 24.0
179 15.5 13.2 19.8



#72
Anthracene
Concen: 2.173 ng
RT: 17.366 min Scan# 2430
Delta R.T. -0.099 min
Lab File: BG060161.D
Acq: 23 Dec 2023 7:01

Tgt Ion:178 Resp: 255287
Ion Ratio Lower Upper
178 100
176 17.1 16.2 24.2
179 15.5 12.6 19.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.584 min Scan# 31

Delta R.T. -0.011 min

Lab File: BG060161.D

Acq: 23 Dec 2023 7:01

Instrument :

BNA_G

ClientSampleId :

WC-LIQUIDS-20231213-01

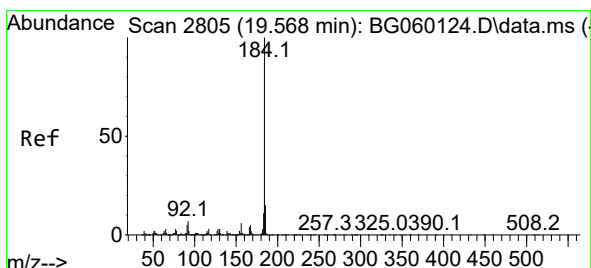
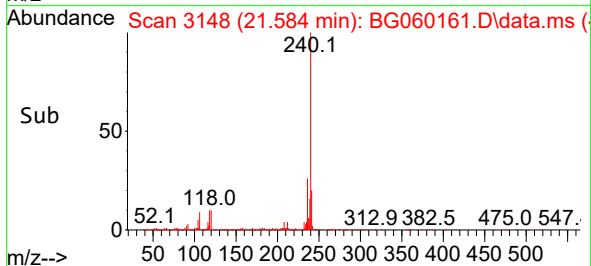
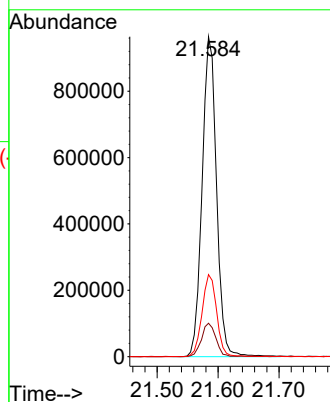
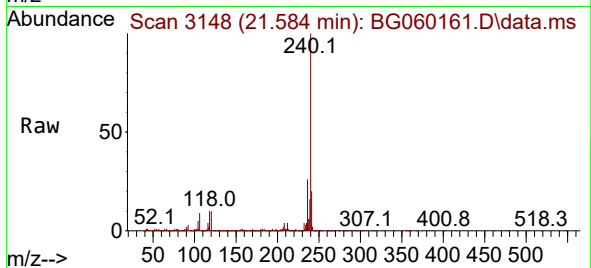
Tgt Ion:240 Resp: 1583815

Ion Ratio Lower Upper

240 100

120 10.5 9.0 13.6

236 25.7 20.4 30.6



#77

Benzidine

Concen: 2.341 ng

RT: 19.945 min Scan# 2869

Delta R.T. 0.377 min

Lab File: BG060161.D

Acq: 23 Dec 2023 7:01

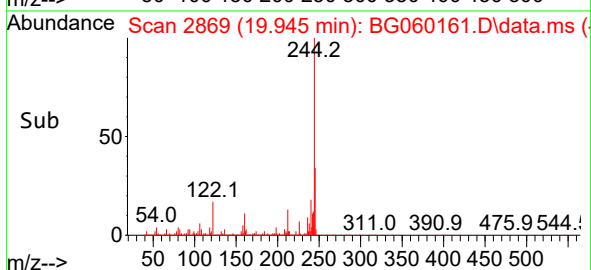
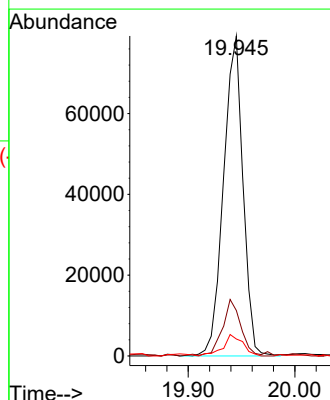
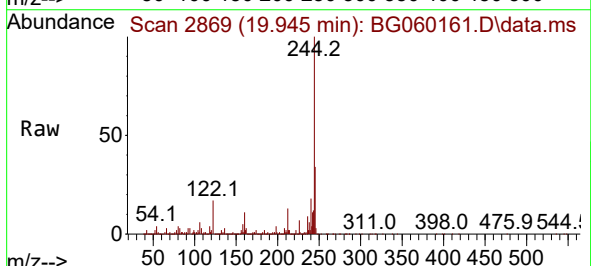
Tgt Ion:184 Resp: 100248

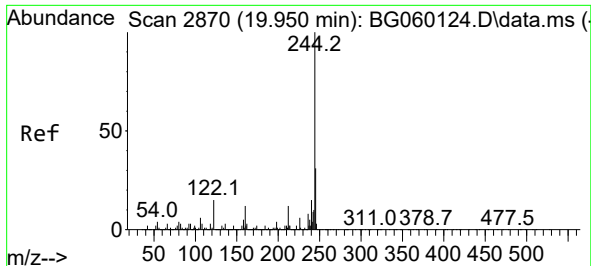
Ion Ratio Lower Upper

184 100

185 14.2 11.7 17.5

183 5.3 9.0 13.6#

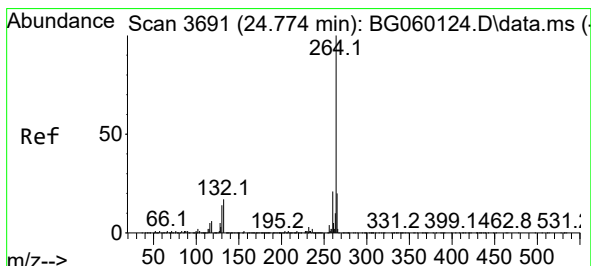
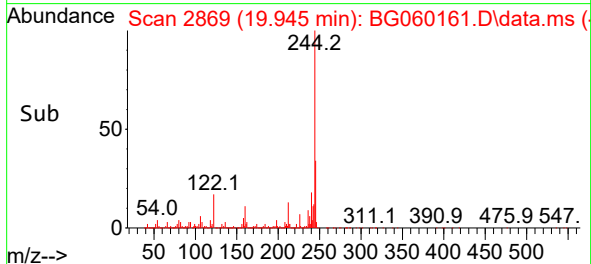
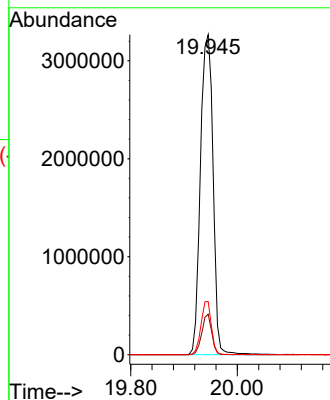
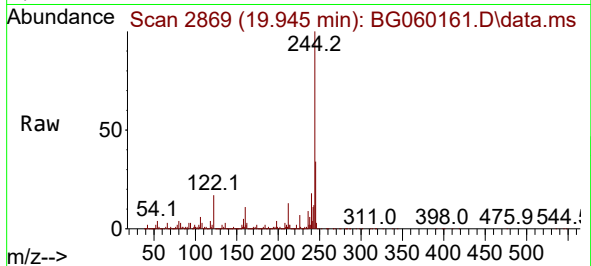




#79
 Terphenyl-d14
 Concen: 61.112 ng
 RT: 19.945 min Scan# 2869
 Delta R.T. -0.005 min
 Lab File: BG060161.D
 Acq: 23 Dec 2023 7:01

Instrument :
 BNA_G
 ClientSampleId :
 WC-LIQUIDS-20231213-01

Tgt Ion:244 Resp: 5348928
 Ion Ratio Lower Upper
 244 100
 212 12.6 9.5 14.3
 122 16.6 12.2 18.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.763 min Scan# 3689
 Delta R.T. -0.011 min
 Lab File: BG060161.D
 Acq: 23 Dec 2023 7:01

Tgt Ion:264 Resp: 1789767
 Ion Ratio Lower Upper
 264 100
 260 23.0 17.1 25.7
 265 21.6 16.0 24.0

