

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040622\
 Data File : BG053063.D
 Acq On : 6 Apr 2022 20:23
 Operator : CG/JU
 Sample : N2254-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-14A-1A-4-3

Quant Time: Apr 07 04:11:04 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 06 14:35:39 2022
 Response via : Initial Calibration

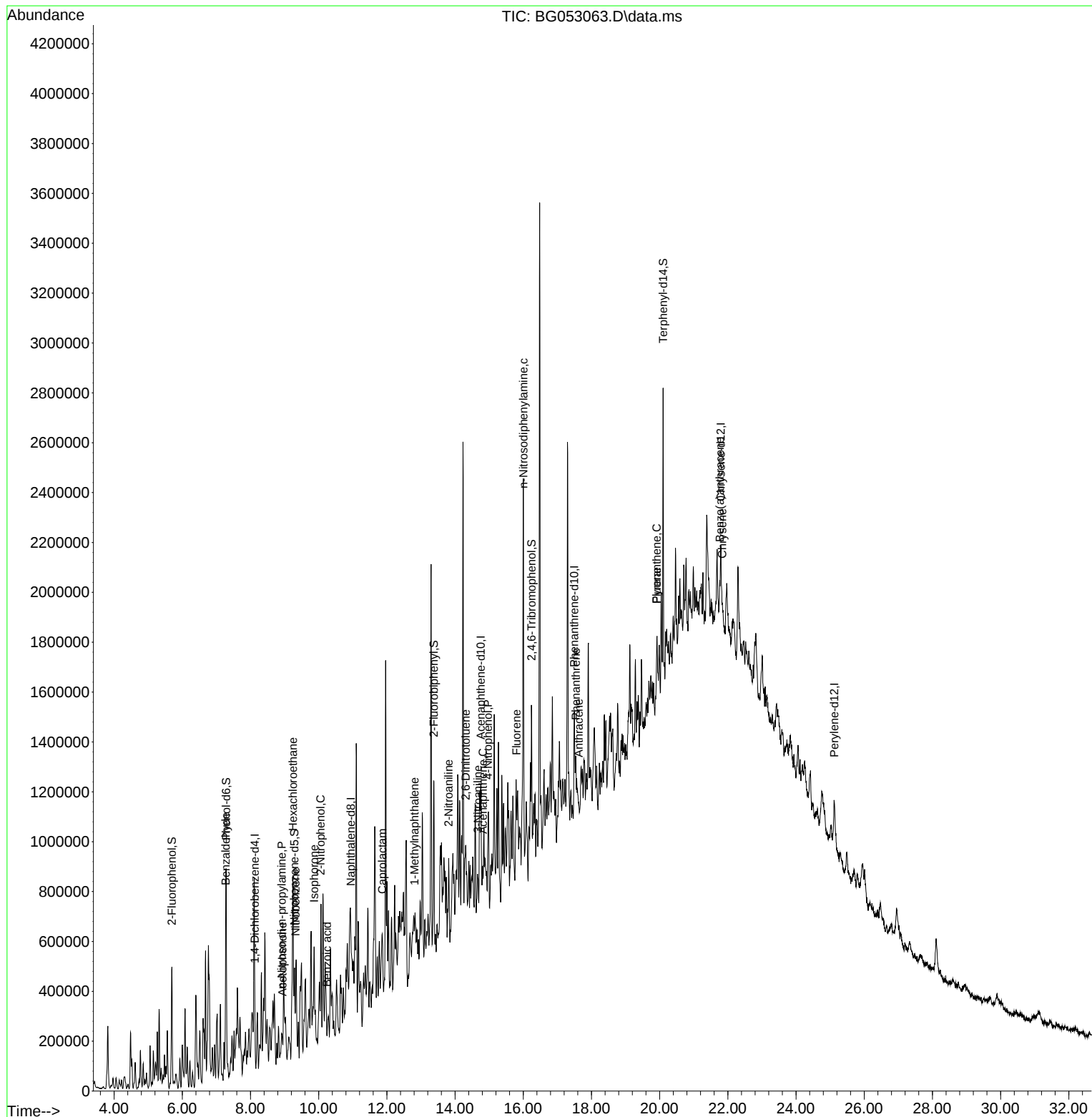
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.129	152	33507	20.000	ng	0.00
21) Naphthalene-d8	10.942	136	127616	20.000	ng	# 0.00
39) Acenaphthene-d10	14.755	164	86801	20.000	ng	0.00
64) Phenanthrene-d10	17.498	188	172439	20.000	ng	# 0.00
76) Chrysene-d12	21.792	240	175593	20.000	ng	# 0.01
86) Perylene-d12	25.123	264	184297	20.000	ng	# 0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.691	112	165389	85.960	ng	0.00
7) Phenol-d6	7.289	99	234039	80.685	ng	0.00
23) Nitrobenzene-d5	9.286	82	185782	73.066	ng	0.00
42) 2,4,6-Tribromophenol	16.241	330	101142	86.715	ng	0.00
45) 2-Fluorobiphenyl	13.380	172	343620	58.385	ng	0.00
79) Terphenyl-d14	20.101	244	533018	53.997	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.271	77	7045	2.177	ng	# 32
18) Hexachloroethane	9.245	117	28519	31.783	ng	# 1
19) n-Nitroso-di-n-propyla...	8.916	70	10729	5.222	ng	# 79
22) Acetophenone	8.939	105	13749	4.163	ng	# 58
24) Nitrobenzene	9.327	77	9943	3.908	ng	# 56
25) Isophorone	9.867	82	42032	8.537	ng	# 1
26) 2-Nitrophenol	10.061	139	4079	4.617	ng	# 1
32) Benzoic acid	10.249	122	157	5.776	ng	# 1
35) Caprolactam	11.871	113	3377	6.081	ng	# 1
38) 1-Methylnaphthalene	12.811	142	18076	3.832	ng	# 85
48) 2-Nitroaniline	13.809	65	5594	4.279	ng	# 37
51) 2,6-Dinitrotoluene	14.314	165	5276	4.844	ng	# 1
52) Acenaphthene	14.820	154	14132	2.895	ng	# 72
53) 3-Nitroaniline	14.667	138	3087	2.422	ng	# 39
56) 4-Nitrophenol	14.966	139	15000	14.428	ng	# 32
58) Fluorene	15.801	166	38936	5.991	ng	# 88
66) n-Nitrosodiphenylamine	16.006	169	68452	14.100	ng	# 47
71) Phenanthrene	17.545	178	103513	11.221	ng	# 91
72) Anthracene	17.628	178	18674	2.048	ng	# 58
75) Fluoranthene	19.913	202	77542	6.622	ng	75
78) Pyrene	19.913	202	77542	6.366	ng	# 86
81) Benzo(a)anthracene	21.769	228	31242	2.657	ng	# 33
83) Chrysene	21.834	228	57057	5.162	ng	# 61

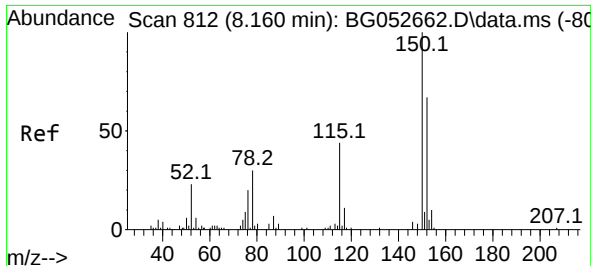
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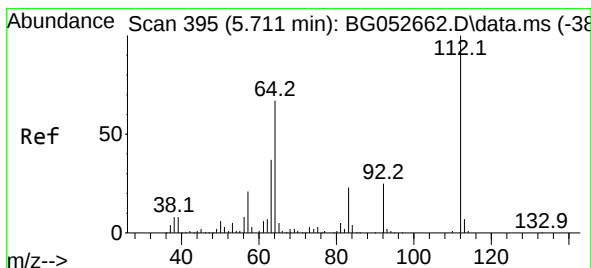
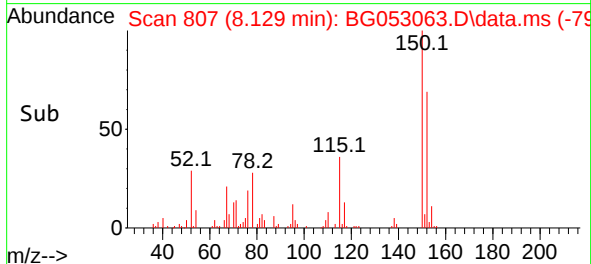
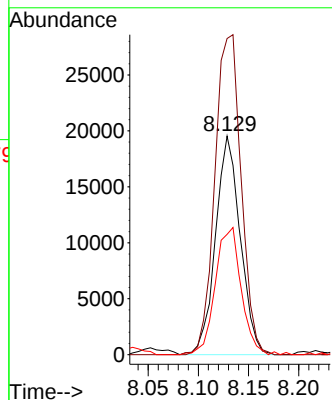
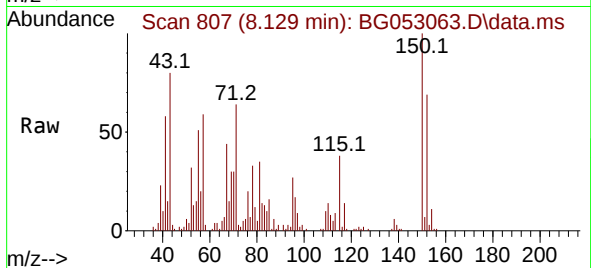




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.129 min Scan# 80
Delta R.T. 0.001 min
Lab File: BG053063.D
Acq: 6 Apr 2022 20:23

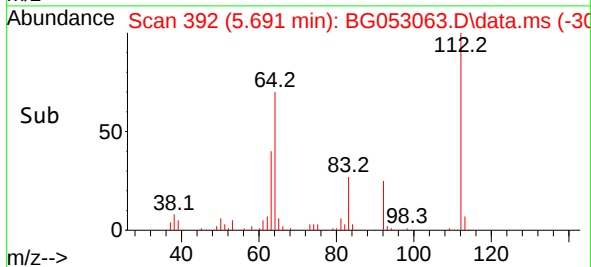
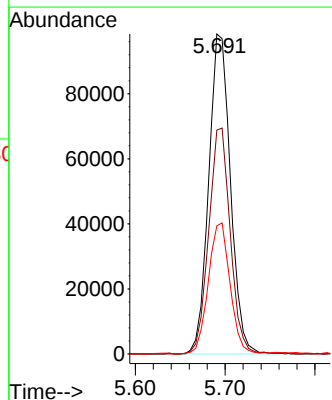
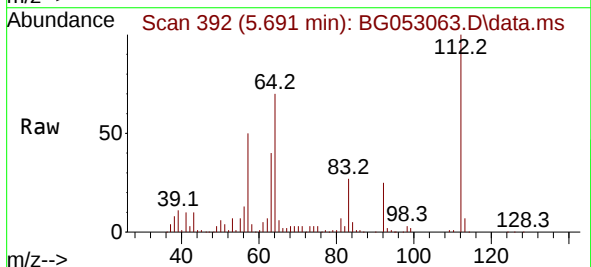
Instrument :
BNA_G
ClientSampleId :
WC-14A-1A-4-3

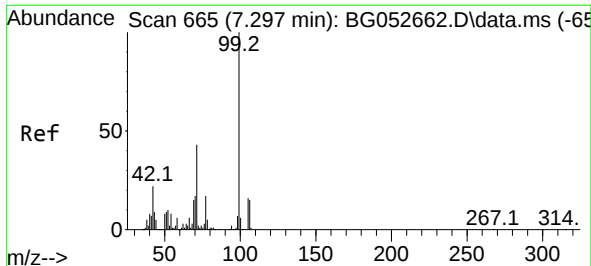
Tgt Ion:152 Resp: 33507
Ion Ratio Lower Upper
152 100
150 144.7 114.6 172.0
115 55.1 45.9 68.9



#5
2-Fluorophenol
Concen: 85.960 ng
RT: 5.691 min Scan# 392
Delta R.T. 0.007 min
Lab File: BG053063.D
Acq: 6 Apr 2022 20:23

Tgt Ion:112 Resp: 165389
Ion Ratio Lower Upper
112 100
64 69.9 48.0 72.0
63 40.1 26.5 39.7#

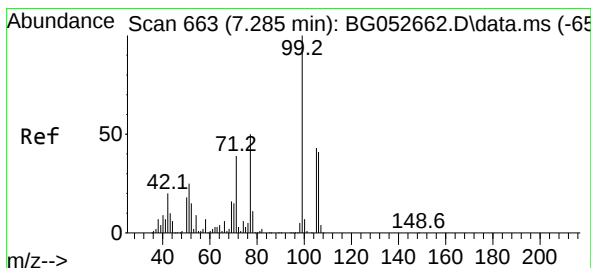
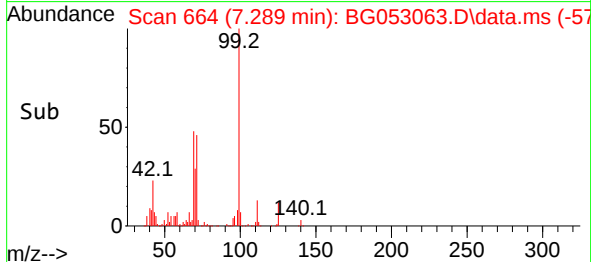
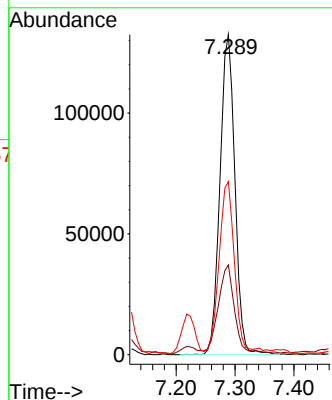
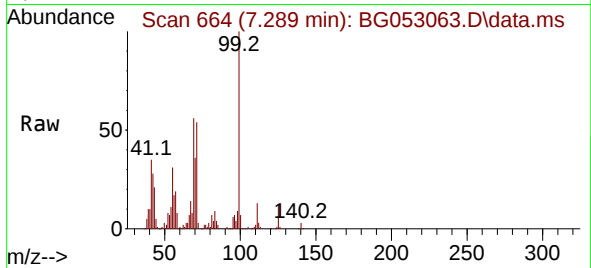




#7
Phenol-d6
Concen: 80.685 ng
RT: 7.289 min Scan# 60
Delta R.T. 0.007 min
Lab File: BG053063.D
Acq: 6 Apr 2022 20:23

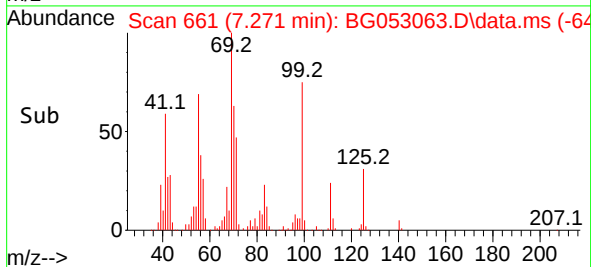
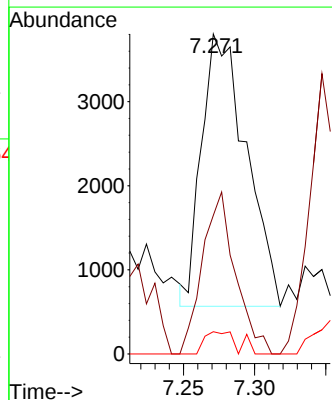
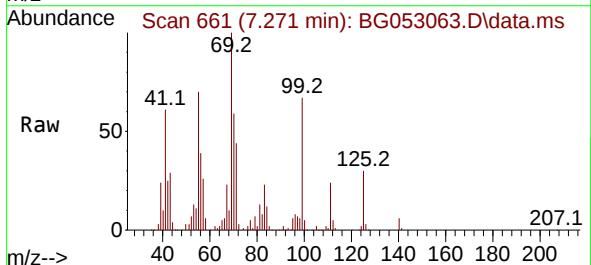
Instrument :
BNA_G
ClientSampleId :
WC-14A-1A-4-3

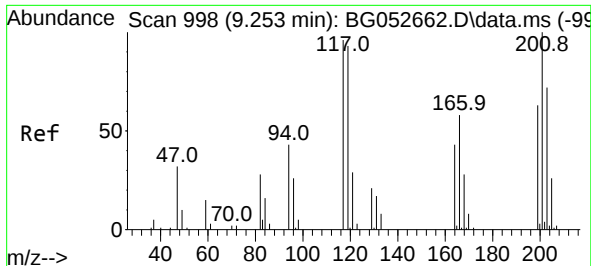
Tgt Ion: 99 Resp: 234039
Ion Ratio Lower Upper
99 100
42 28.1 14.7 22.1#
71 54.1 29.2 43.8#



#9
Benzaldehyde
Concen: 2.177 ng
RT: 7.271 min Scan# 661
Delta R.T. 0.012 min
Lab File: BG053063.D
Acq: 6 Apr 2022 20:23

Tgt Ion: 77 Resp: 7045
Ion Ratio Lower Upper
77 100
105 43.3 70.6 110.6#
106 6.9 67.6 107.6#

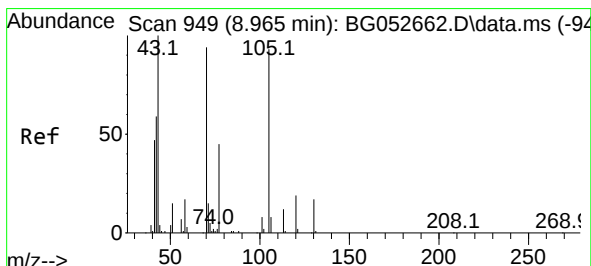
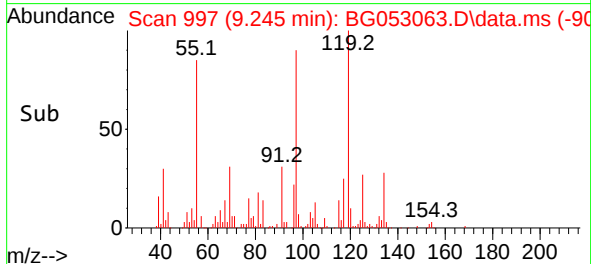
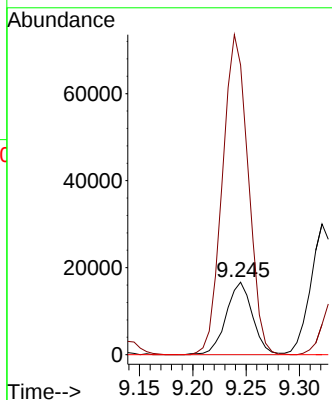
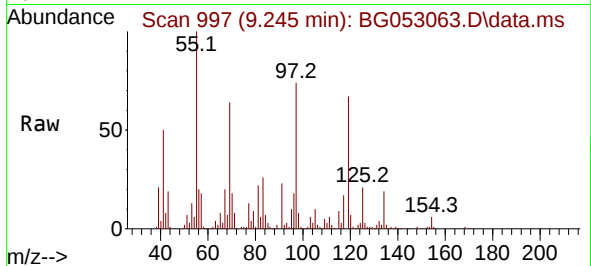




#18
 Hexachloroethane
 Concen: 31.783 ng
 RT: 9.245 min Scan# 998
 Delta R.T. 0.024 min
 Lab File: BG053063.D
 Acq: 6 Apr 2022 20:23

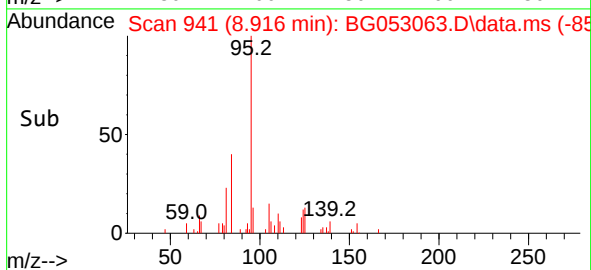
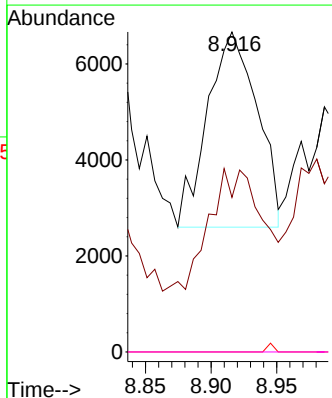
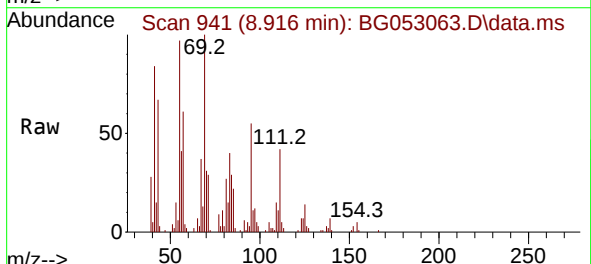
Instrument :
 BNA_G
 ClientSampleId :
 WC-14A-1A-4-3

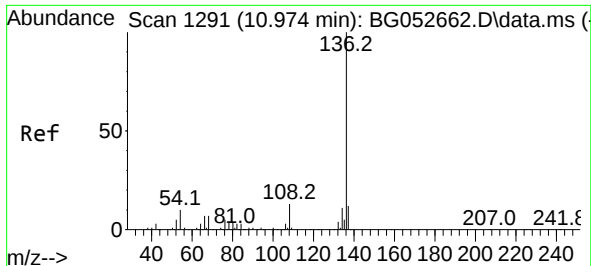
Tgt Ion:117 Resp: 28519
 Ion Ratio Lower Upper
 117 100
 119 399.5 75.1 112.7#
 201 0.0 96.6 145.0#



#19
 n-Nitroso-di-n-propylamine
 Concen: 5.222 ng
 RT: 8.916 min Scan# 941
 Delta R.T. -0.011 min
 Lab File: BG053063.D
 Acq: 6 Apr 2022 20:23

Tgt Ion: 70 Resp: 10729
 Ion Ratio Lower Upper
 70 100
 42 48.3 46.0 69.0
 101 0.0 6.2 9.4#
 130 0.0 17.0 25.4#



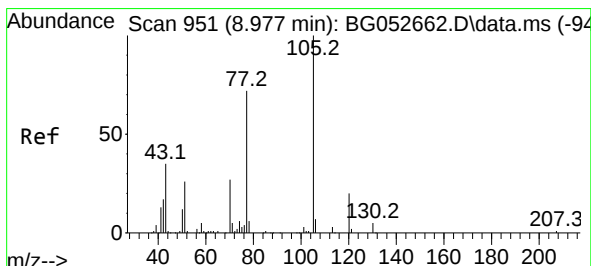
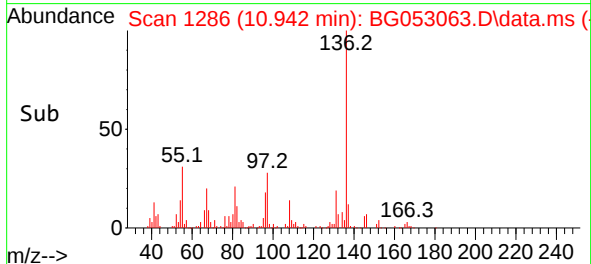
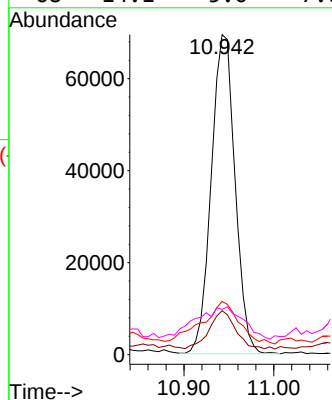
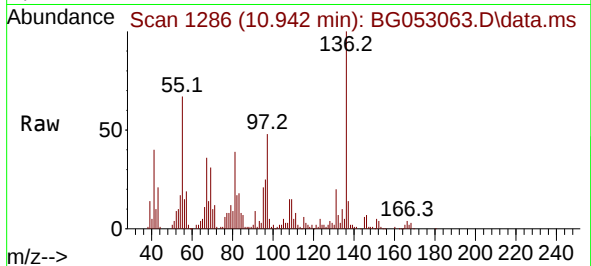


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.942 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG053063.D
Acq: 6 Apr 2022 20:23

Instrument :
BNA_G
ClientSampleId :
WC-14A-1A-4-3

Tgt Ion:136 Resp: 127616

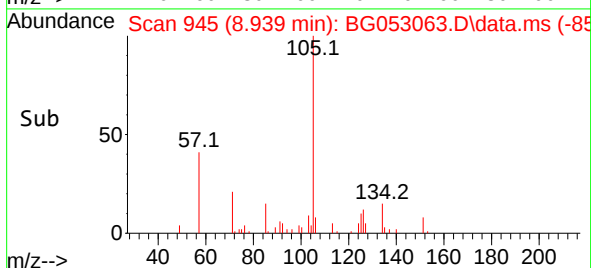
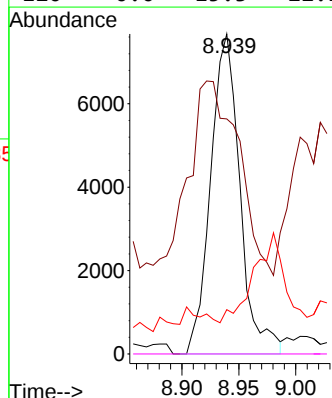
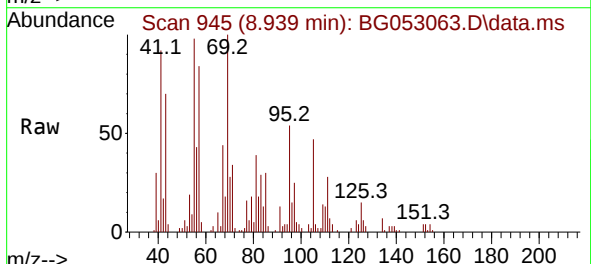
Ion	Ratio	Lower	Upper
136	100		
137	13.7	9.4	14.2
54	16.7	6.4	9.6#
68	14.1	5.0	7.6#

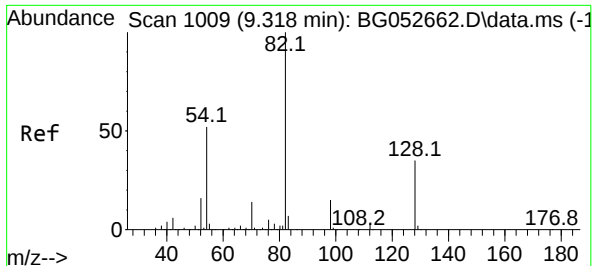


#22
Acetophenone
Concen: 4.163 ng
RT: 8.939 min Scan# 945
Delta R.T. -0.005 min
Lab File: BG053063.D
Acq: 6 Apr 2022 20:23

Tgt Ion:105 Resp: 13749

Ion	Ratio	Lower	Upper
105	100		
71	73.5	2.1	3.1#
51	13.8	21.9	32.9#
120	0.0	15.3	22.9#





#23

Nitrobenzene-d5

Concen: 73.066 ng

RT: 9.286 min Scan# 1004

Delta R.T. -0.005 min

Lab File: BG053063.D

Acq: 6 Apr 2022 20:23

Instrument :

BNA_G

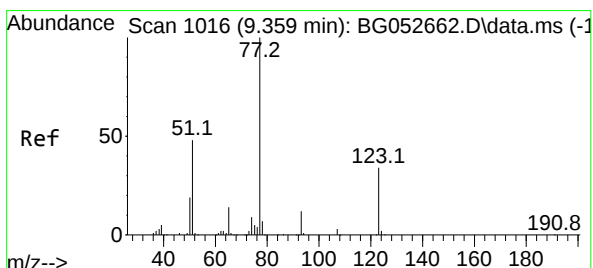
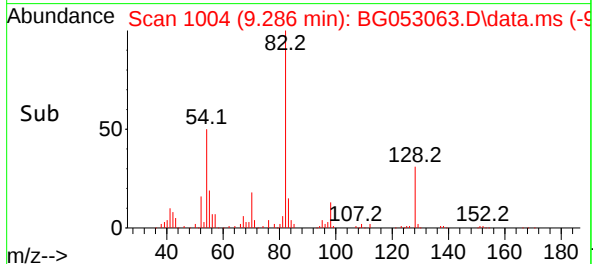
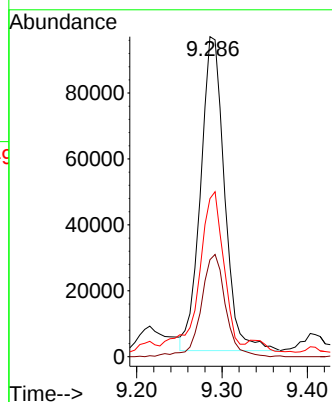
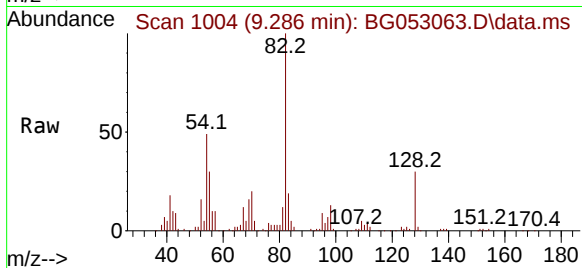
ClientSampleId :

WC-14A-1A-4-3

Tgt Ion: 82 Resp: 185782

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
82	100		
128	30.3	31.3	46.9#
54	49.4	37.8	56.8



#24

Nitrobenzene

Concen: 3.908 ng

RT: 9.327 min Scan# 1011

Delta R.T. -0.005 min

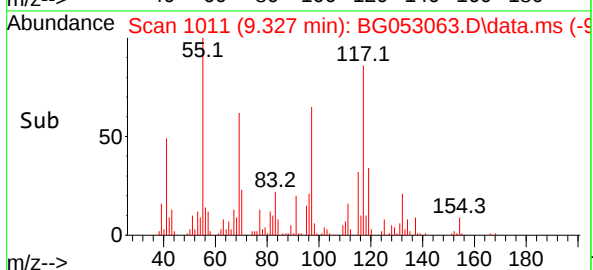
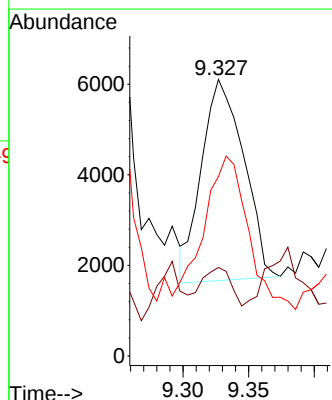
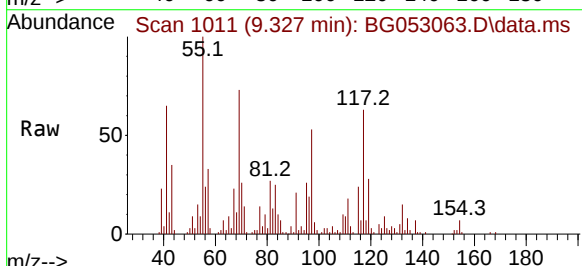
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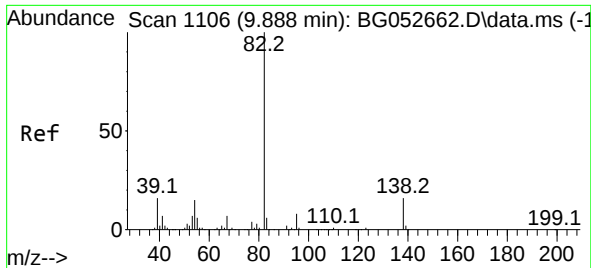
Acq: 6 Apr 2022 20:23

Tgt Ion: 77 Resp: 9943

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
77	100		
123	32.0	34.4	51.6#
65	64.9	11.2	16.8#

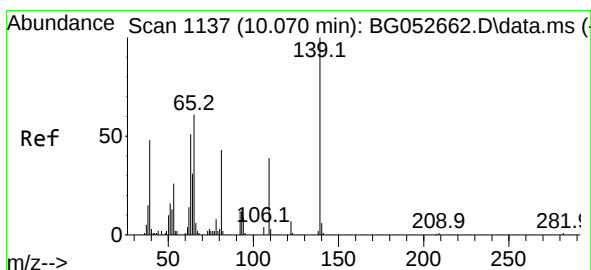
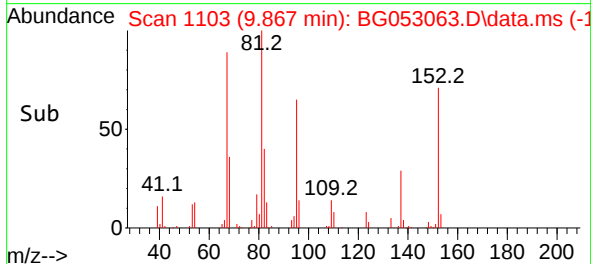
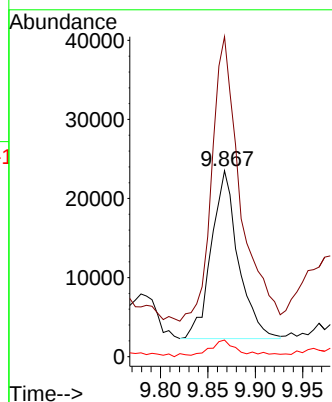
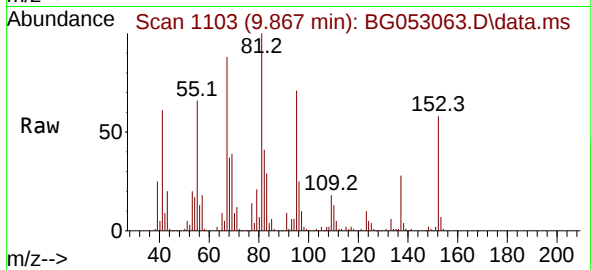




#25
Isophorone
Concen: 8.537 ng
RT: 9.867 min Scan# 1103
Delta R.T. 0.012 min
Lab File: BG053063.D
Acq: 6 Apr 2022 20:23

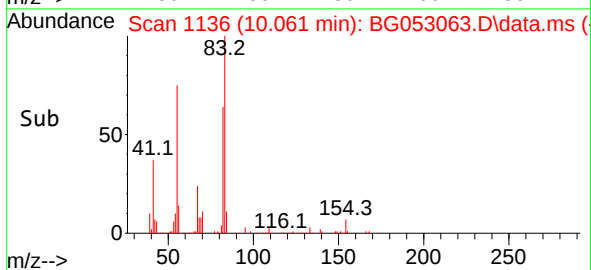
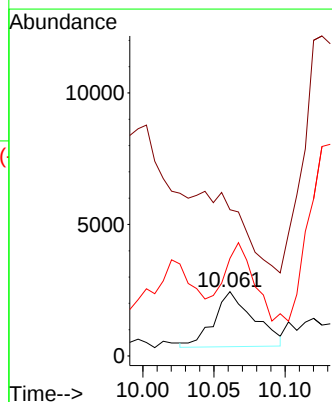
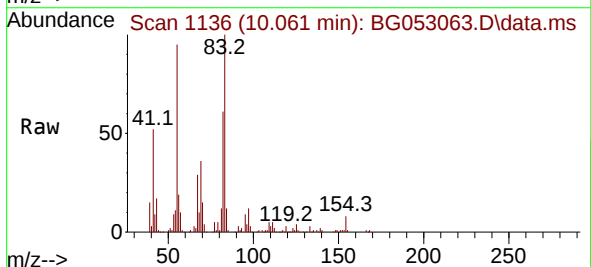
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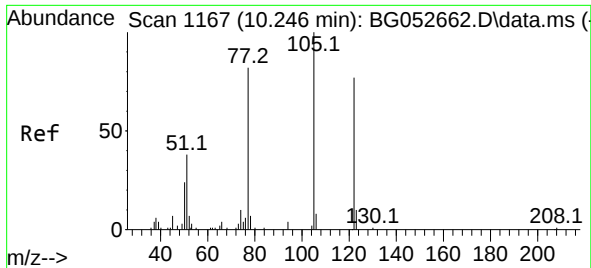
Tgt Ion: 82 Resp: 42032
Ion Ratio Lower Upper
82 100
95 172.1 5.8 8.6#
138 8.9 12.6 18.8#



#26
2-Nitrophenol
Concen: 4.617 ng
RT: 10.061 min Scan# 1136
Delta R.T. 0.018 min
Lab File: BG053063.D
Acq: 6 Apr 2022 20:23

Tgt Ion: 139 Resp: 4079
Ion Ratio Lower Upper
139 100
109 227.0 29.4 44.0#
65 151.5 48.2 72.2#

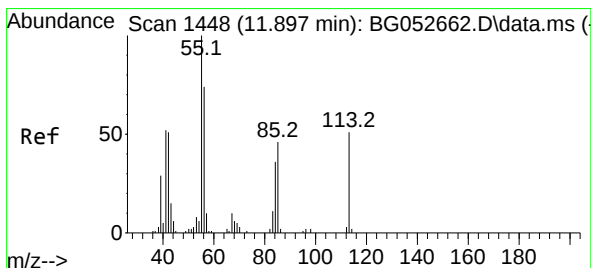
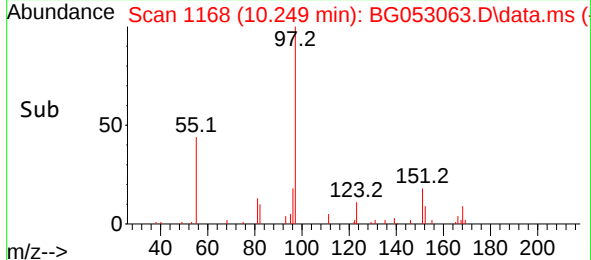
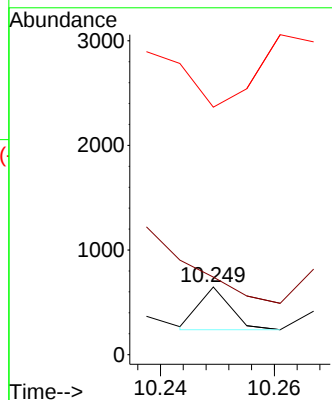
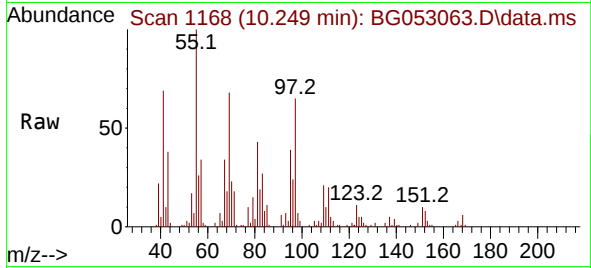




#32
Benzoic acid
Concen: 5.776 ng
RT: 10.249 min Scan# 1168
Delta R.T. 0.012 min
Lab File: BG053063.D
Acq: 6 Apr 2022 20:23

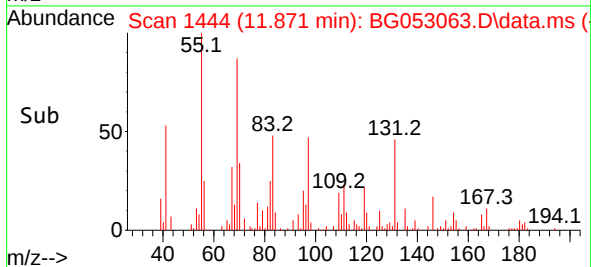
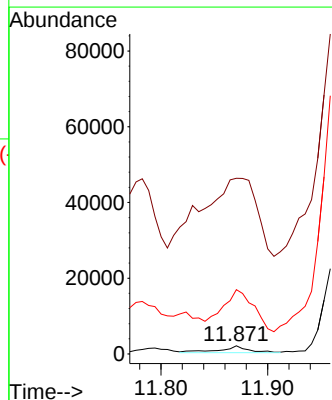
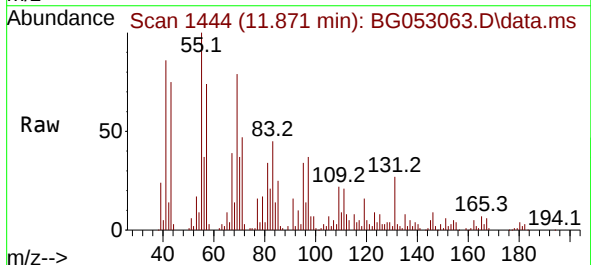
Instrument :
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ClientSampleId :
WC-14A-1A-4-3

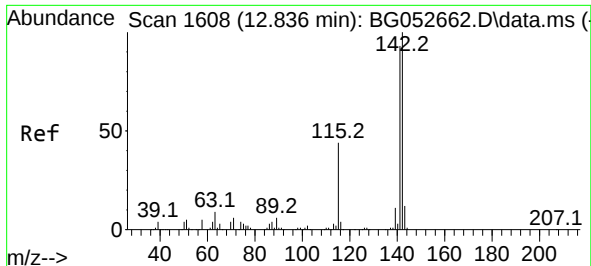
Tgt Ion:122 Resp: 157
Ion Ratio Lower Upper
122 100
105 114.7 112.8 152.8
77 365.7 78.4 118.4#



#35
Caprolactam
Concen: 6.081 ng
RT: 11.871 min Scan# 1444
Delta R.T. 0.012 min
Lab File: BG053063.D
Acq: 6 Apr 2022 20:23

Tgt Ion:113 Resp: 3377
Ion Ratio Lower Upper
113 100
55 2165.9 151.3 191.3#
56 792.9 128.5 168.5#

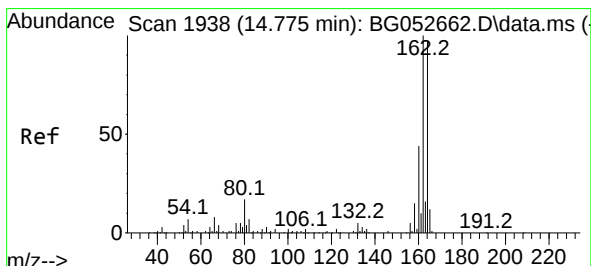
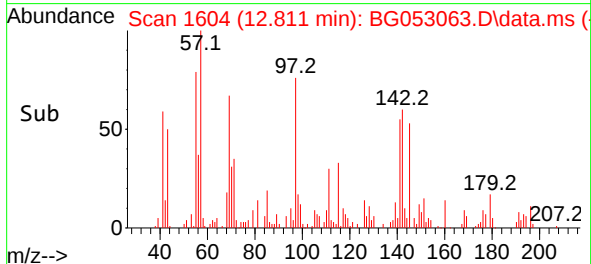
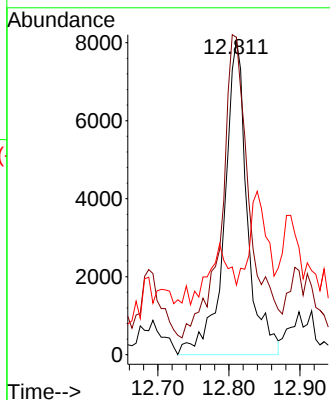
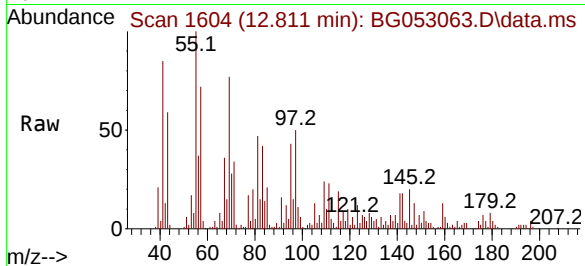




#38
1-Methylnaphthalene
Concen: 3.832 ng
RT: 12.811 min Scan# 1
Delta R.T. 0.007 min
Lab File: BG053063.D
Acq: 6 Apr 2022 20:23

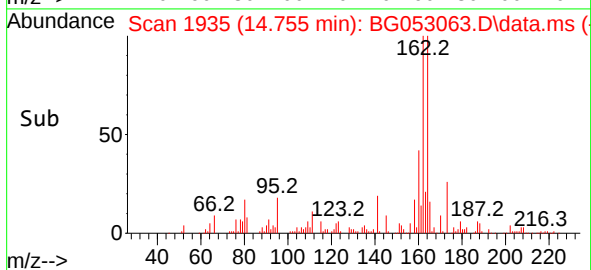
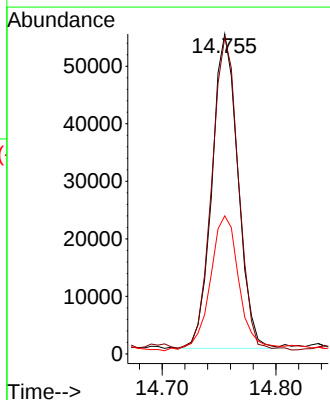
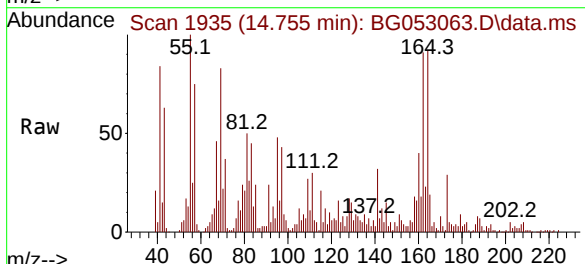
Instrument :
BNA_G
ClientSampleId :
WC-14A-1A-4-3

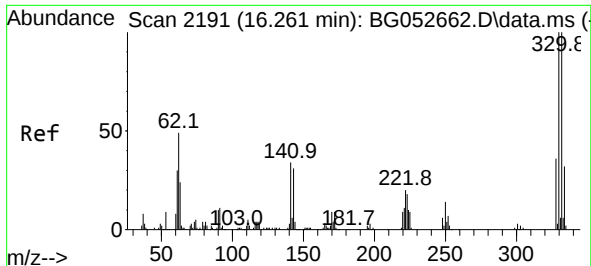
Tgt Ion:142 Resp: 18076
Ion Ratio Lower Upper
142 100
141 100.7 70.5 105.7
116 22.1 3.1 4.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.755 min Scan# 1935
Delta R.T. 0.007 min
Lab File: BG053063.D
Acq: 6 Apr 2022 20:23

Tgt Ion:164 Resp: 86801
Ion Ratio Lower Upper
164 100
162 98.9 80.0 120.0
160 43.1 38.8 58.2

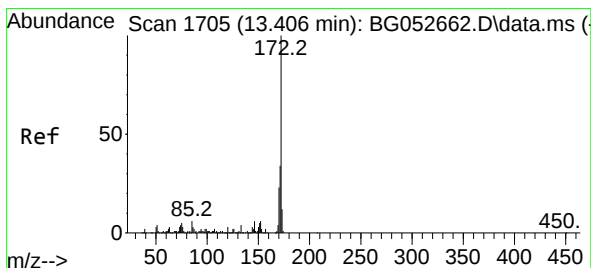
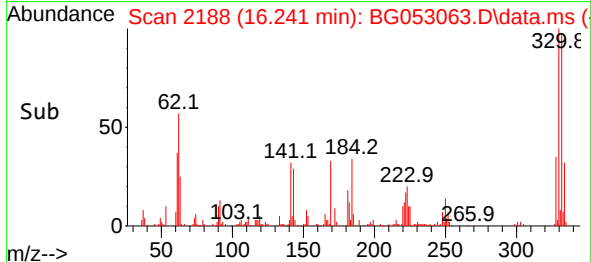
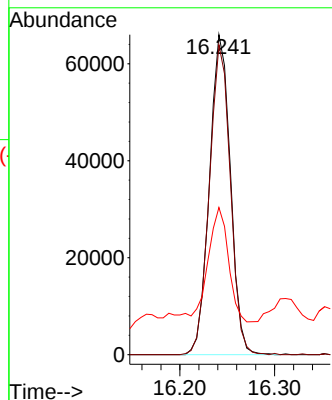
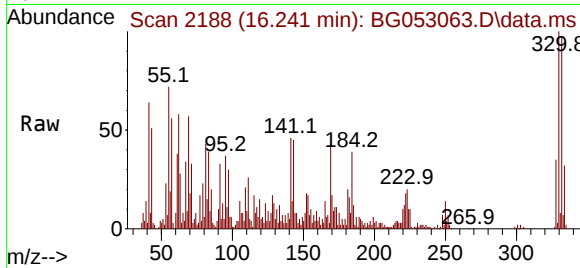




#42
2,4,6-Tribromophenol
Concen: 86.715 ng
RT: 16.241 min Scan# 2191
Delta R.T. 0.007 min
Lab File: BG053063.D
Acq: 6 Apr 2022 20:23

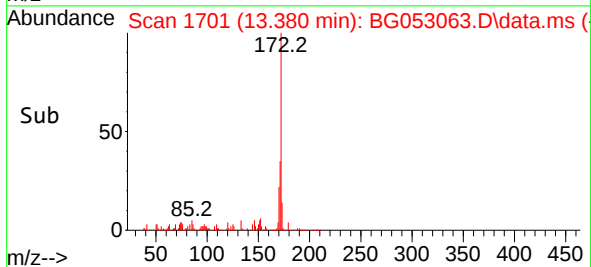
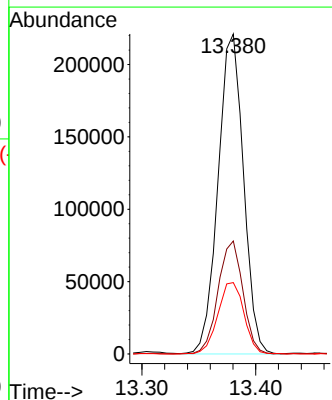
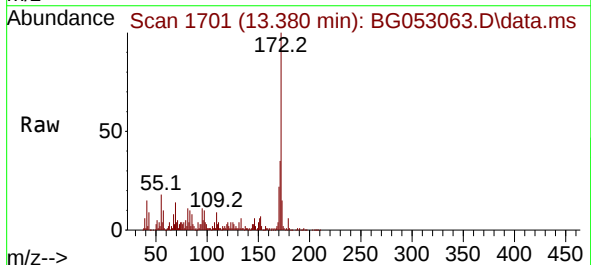
Instrument :
BNA_G
ClientSampleId :
WC-14A-1A-4-3

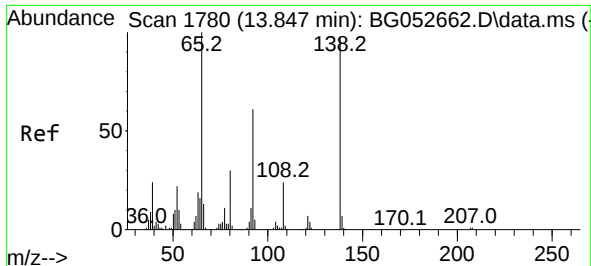
Tgt Ion:330 Resp: 101142
Ion Ratio Lower Upper
330 100
332 97.0 75.8 113.6
141 34.1 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 58.385 ng
RT: 13.380 min Scan# 1701
Delta R.T. 0.007 min
Lab File: BG053063.D
Acq: 6 Apr 2022 20:23

Tgt Ion:172 Resp: 343620
Ion Ratio Lower Upper
172 100
171 35.3 28.3 42.5
170 22.3 18.0 27.0

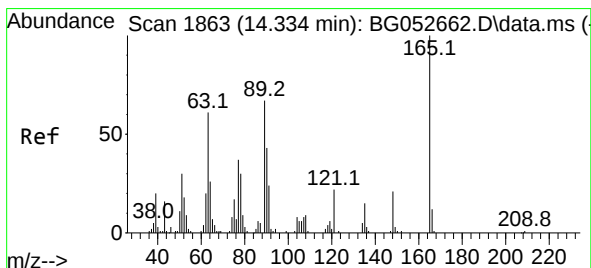
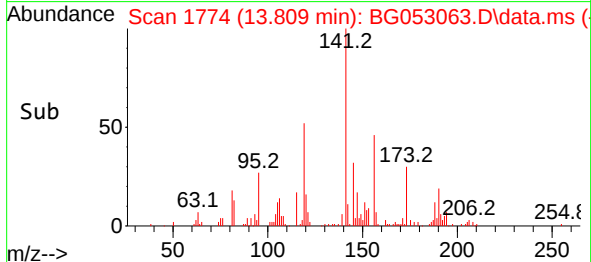
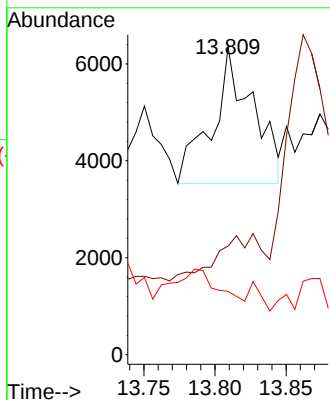
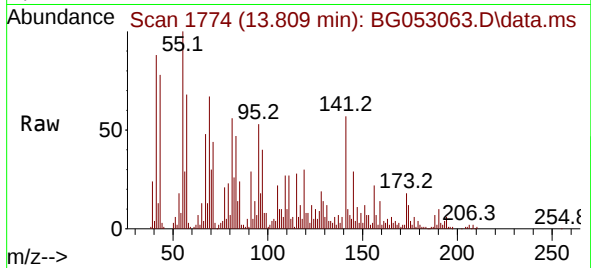




#48
2-Nitroaniline
Concen: 4.279 ng
RT: 13.809 min Scan# 1
Delta R.T. -0.011 min
Lab File: BG053063.D
Acq: 6 Apr 2022 20:23

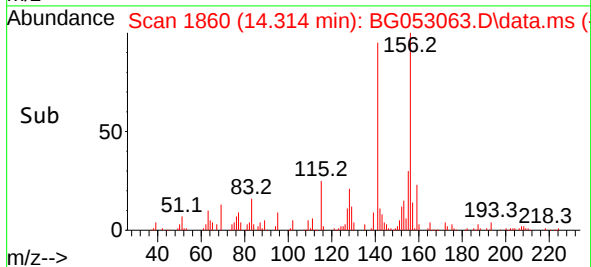
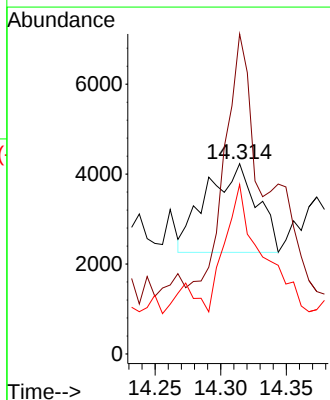
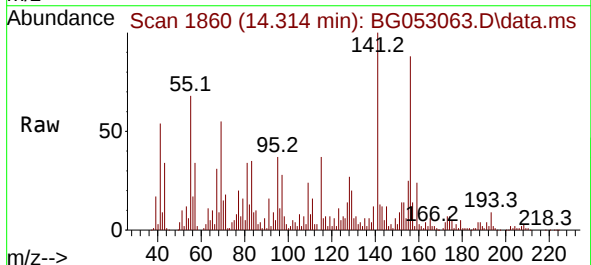
Instrument :
BNA_G
ClientSampleId :
WC-14A-1A-4-3

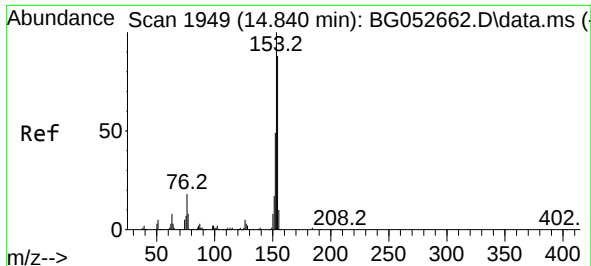
Tgt Ion: 65 Resp: 5594
Ion Ratio Lower Upper
65 100
92 35.3 52.1 78.1#
138 20.6 80.1 120.1#



#51
2,6-Dinitrotoluene
Concen: 4.844 ng
RT: 14.314 min Scan# 1860
Delta R.T. 0.001 min
Lab File: BG053063.D
Acq: 6 Apr 2022 20:23

Tgt Ion:165 Resp: 5276
Ion Ratio Lower Upper
165 100
63 168.2 43.7 65.5#
89 89.0 45.0 67.4#

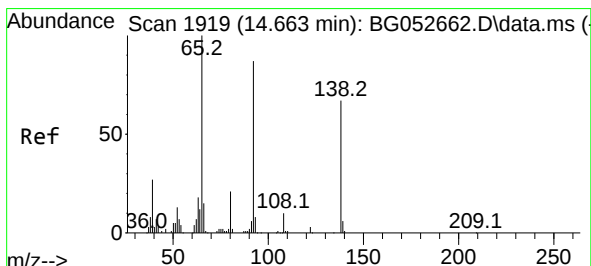
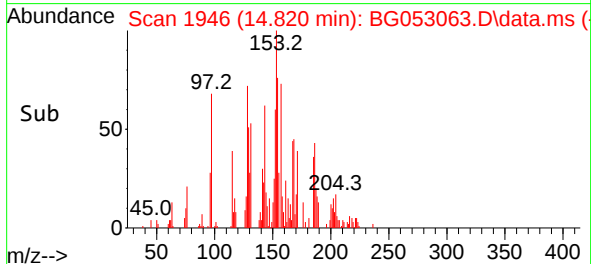
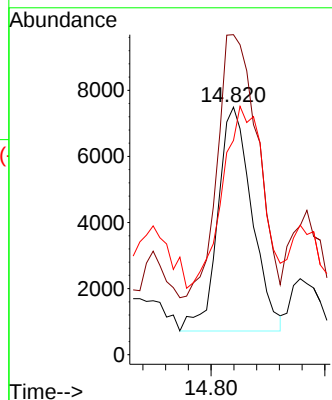
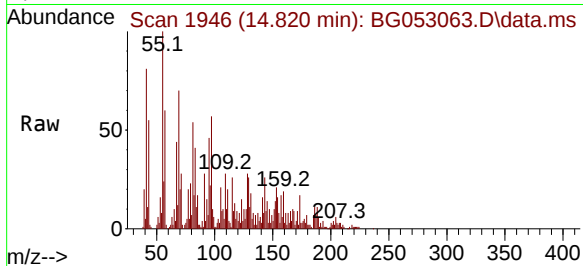




#52
Acenaphthene
Concen: 2.895 ng
RT: 14.820 min Scan# 1946
Delta R.T. 0.007 min
Lab File: BG053063.D
Acq: 6 Apr 2022 20:23

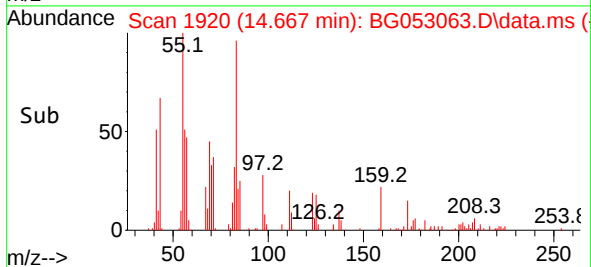
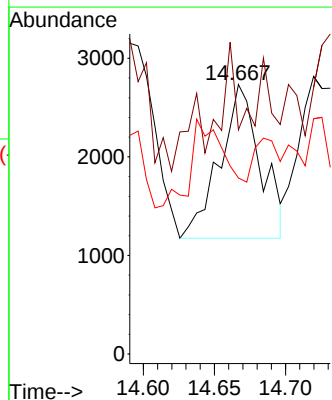
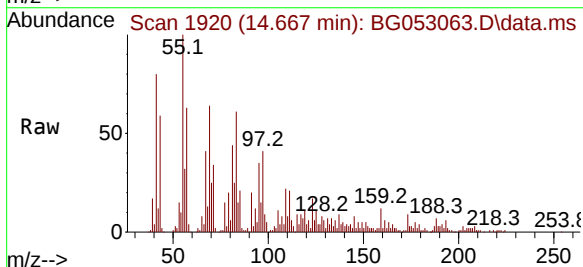
Instrument :
BNA_G
ClientSampleId :
WC-14A-1A-4-3

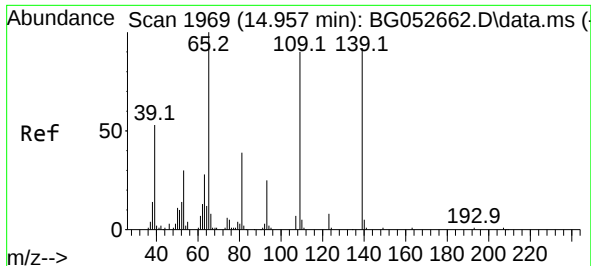
Tgt Ion:154 Resp: 14132
Ion Ratio Lower Upper
154 100
153 129.3 89.0 133.4
152 86.5 40.5 60.7#



#53
3-Nitroaniline
Concen: 2.422 ng
RT: 14.667 min Scan# 1920
Delta R.T. 0.024 min
Lab File: BG053063.D
Acq: 6 Apr 2022 20:23

Tgt Ion:138 Resp: 3087
Ion Ratio Lower Upper
138 100
108 83.2 8.0 12.0#
92 65.3 96.2 144.2#

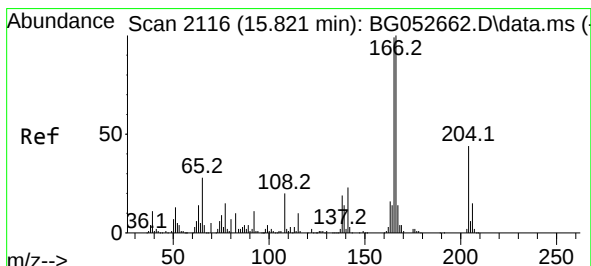
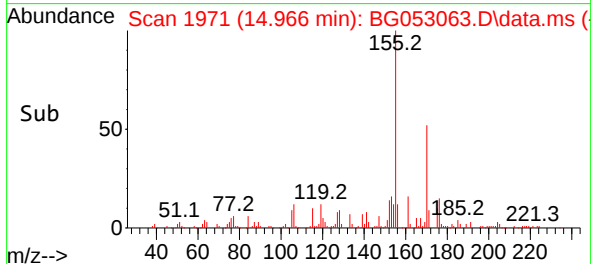
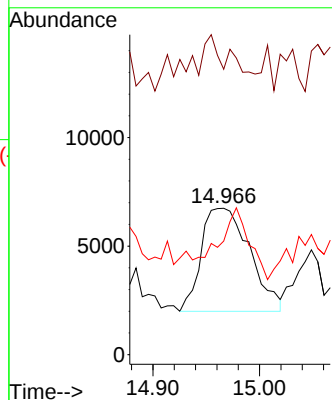
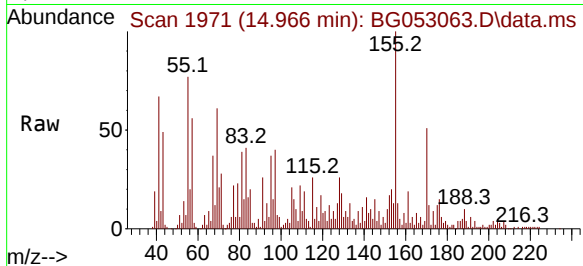




#56
4-Nitrophenol
Concen: 14.428 ng
RT: 14.966 min Scan# 1969
Delta R.T. 0.024 min
Lab File: BG053063.D
Acq: 6 Apr 2022 20:23

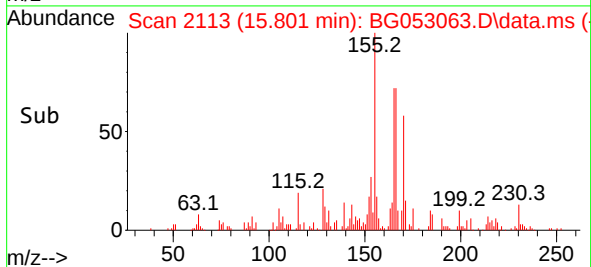
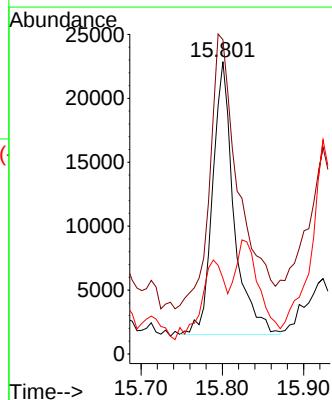
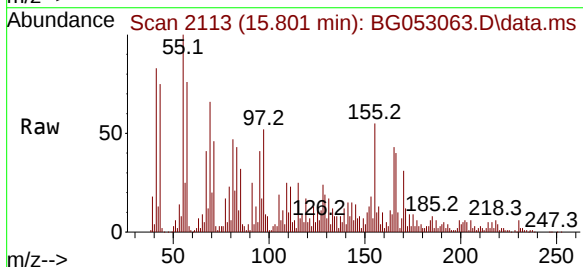
Instrument :
BNA_G
ClientSampleId :
WC-14A-1A-4-3

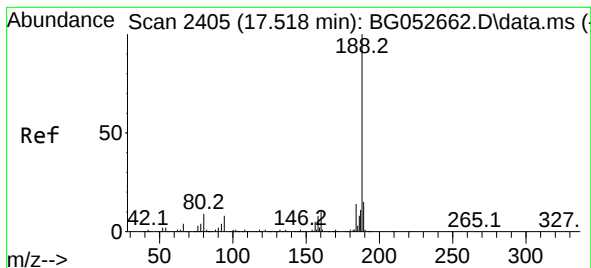
Tgt Ion:139 Resp: 15000
Ion Ratio Lower Upper
139 100
109 195.0 67.1 107.1#
65 77.6 88.2 128.2#



#58
Fluorene
Concen: 5.991 ng
RT: 15.801 min Scan# 2113
Delta R.T. 0.007 min
Lab File: BG053063.D
Acq: 6 Apr 2022 20:23

Tgt Ion:166 Resp: 38936
Ion Ratio Lower Upper
166 100
165 107.5 78.6 117.8
167 25.9 10.9 16.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.498 min Scan# 24

Delta R.T. 0.007 min

Lab File: BG053063.D

Acq: 6 Apr 2022 20:23

Instrument :

BNA_G

ClientSampleId :

WC-14A-1A-4-3

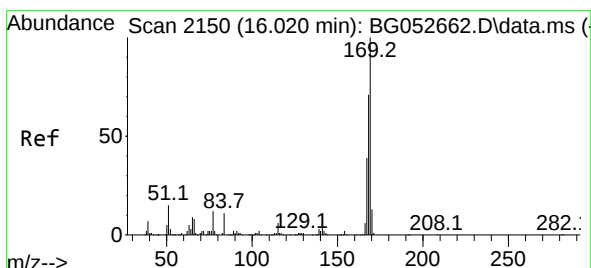
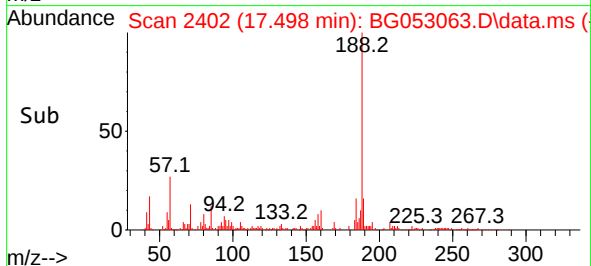
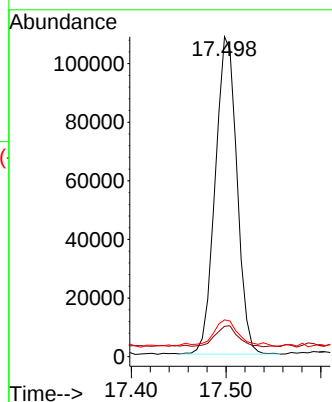
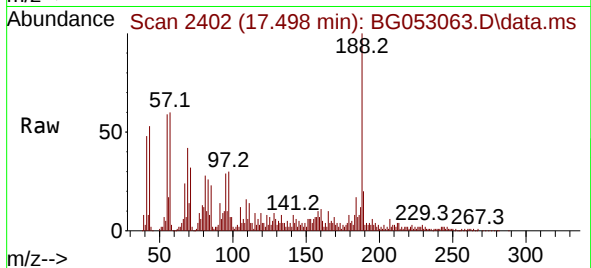
Tgt Ion:188 Resp: 172439

Ion Ratio Lower Upper

188 100

94 9.5 5.7 8.5#

80 11.5 7.2 10.8#



#66

n-Nitrosodiphenylamine

Concen: 14.100 ng

RT: 16.006 min Scan# 2148

Delta R.T. 0.012 min

Lab File: BG053063.D

Acq: 6 Apr 2022 20:23

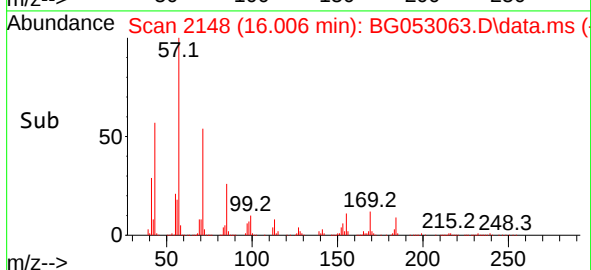
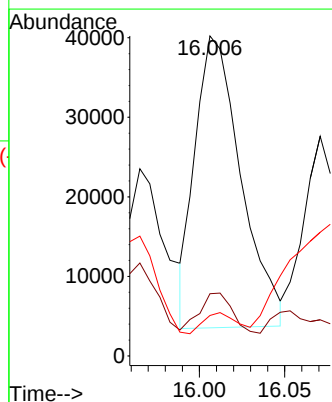
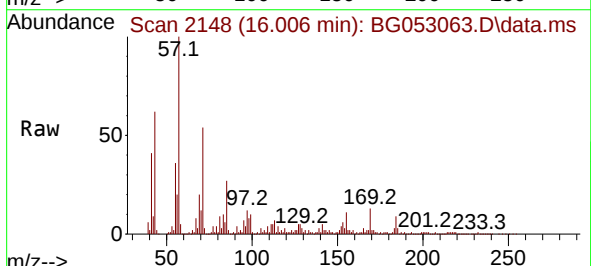
Tgt Ion:169 Resp: 68452

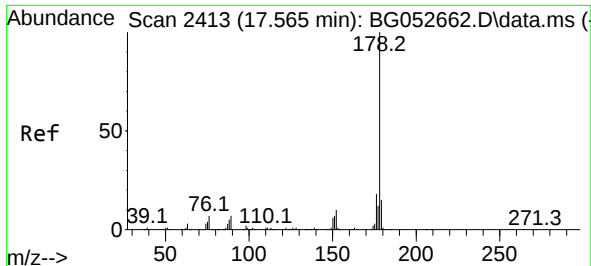
Ion Ratio Lower Upper

169 100

168 19.5 54.5 81.7#

167 12.6 29.6 44.4#

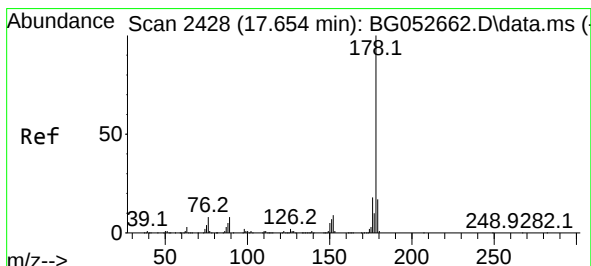
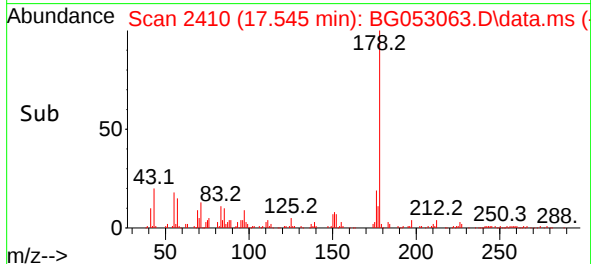
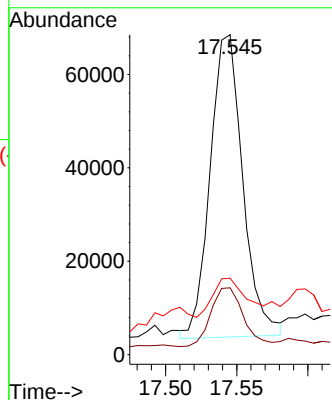
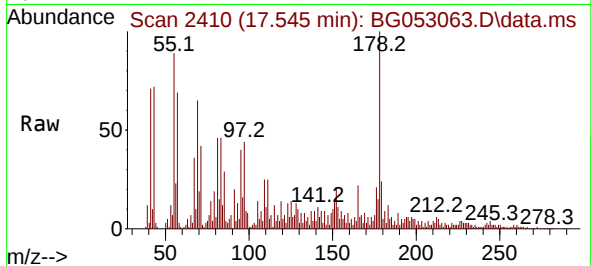




#71
Phenanthrene
Concen: 11.221 ng
RT: 17.545 min Scan# 2413
Delta R.T. 0.012 min
Lab File: BG053063.D
Acq: 6 Apr 2022 20:23

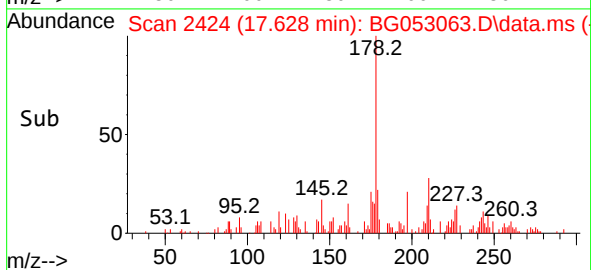
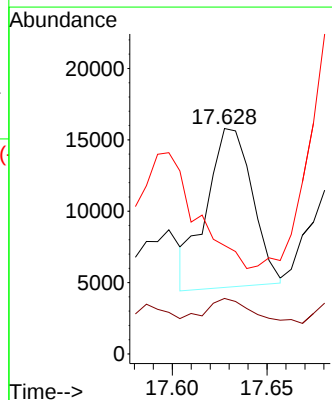
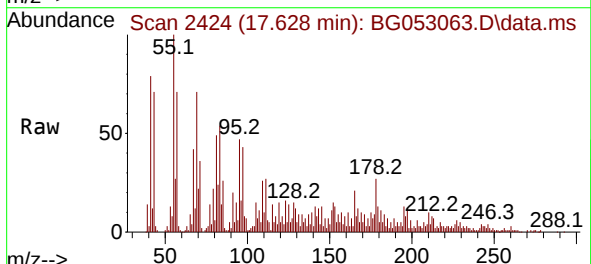
Instrument :
BNA_G
ClientSampleId :
WC-14A-1A-4-3

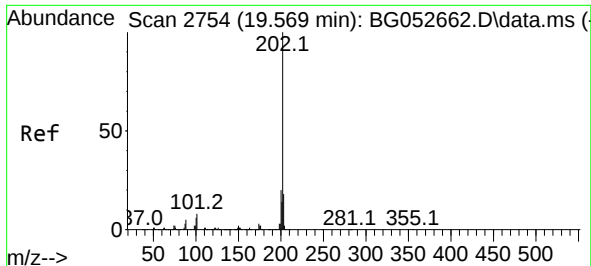
Tgt Ion:178 Resp: 103513
Ion Ratio Lower Upper
178 100
176 20.9 15.9 23.9
179 23.9 13.4 20.2#



#72
Anthracene
Concen: 2.048 ng
RT: 17.628 min Scan# 2424
Delta R.T. 0.001 min
Lab File: BG053063.D
Acq: 6 Apr 2022 20:23

Tgt Ion:178 Resp: 18674
Ion Ratio Lower Upper
178 100
176 24.6 14.7 22.1#
179 48.1 13.2 19.8#

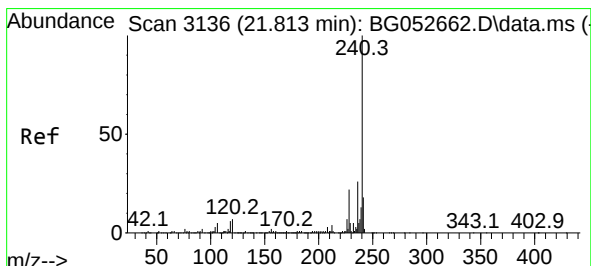
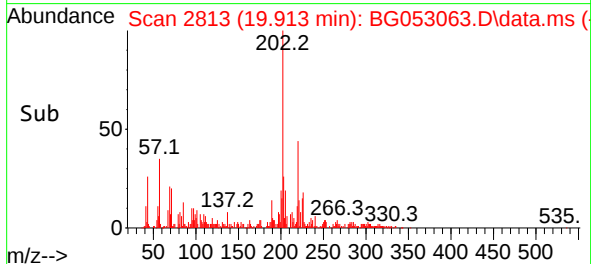
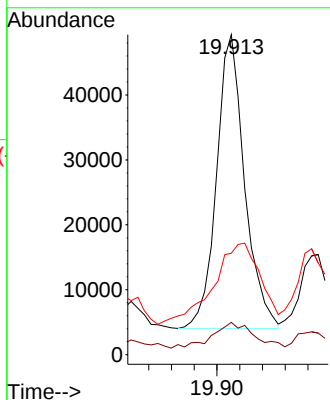
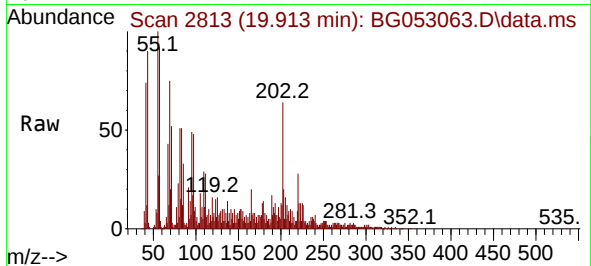




#75
Fluoranthene
Concen: 6.622 ng
RT: 19.913 min Scan# 21
Delta R.T. 0.371 min
Lab File: BG053063.D
Acq: 6 Apr 2022 20:23

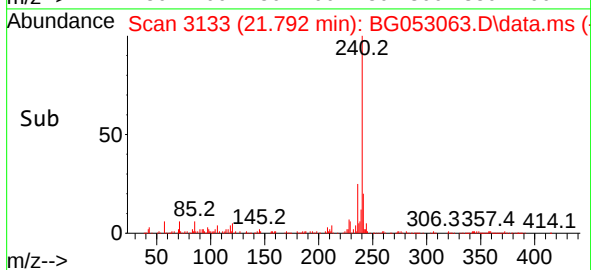
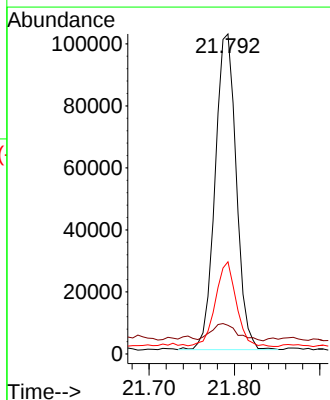
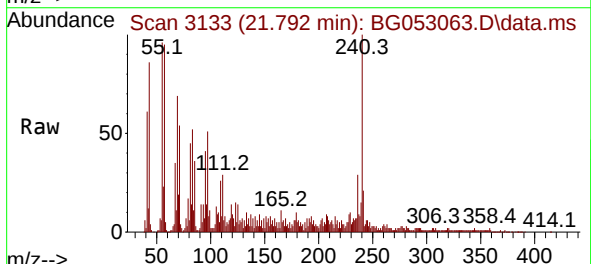
Instrument :
BNA_G
ClientSampleId :
WC-14A-1A-4-3

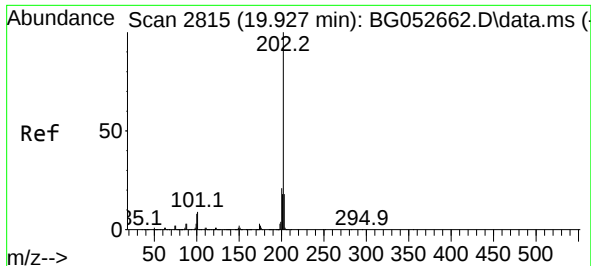
Tgt Ion:202 Resp: 77542
Ion Ratio Lower Upper
202 100
101 10.1 0.0 27.3
203 31.7 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.792 min Scan# 3133
Delta R.T. 0.012 min
Lab File: BG053063.D
Acq: 6 Apr 2022 20:23

Tgt Ion:240 Resp: 175593
Ion Ratio Lower Upper
240 100
120 8.9 5.4 8.0#
236 28.8 19.8 29.6

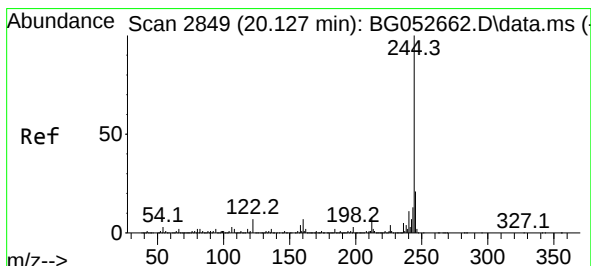
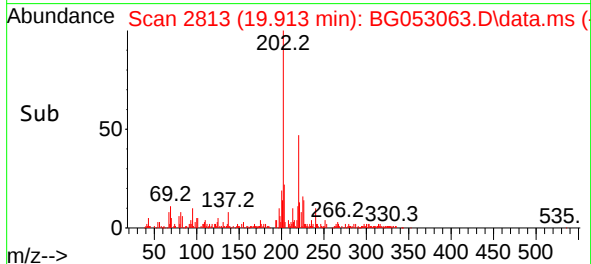
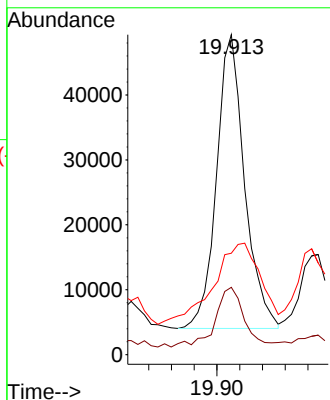
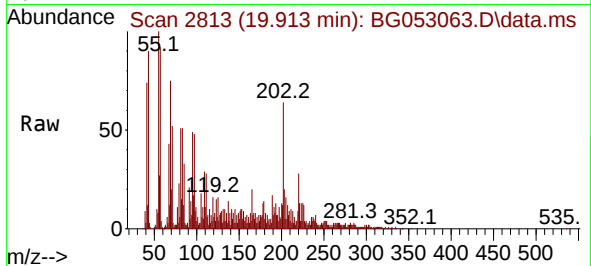




#78
 Pyrene
 Concen: 6.366 ng
 RT: 19.913 min Scan# 2813
 Delta R.T. 0.012 min
 Lab File: BG053063.D
 Acq: 6 Apr 2022 20:23

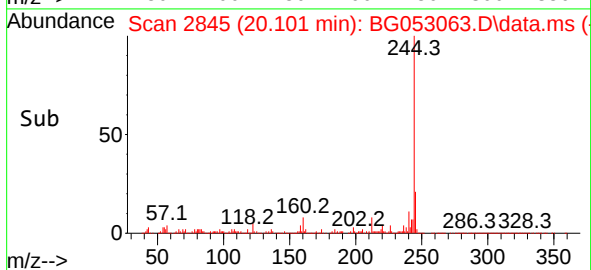
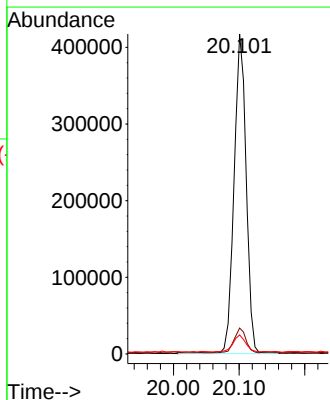
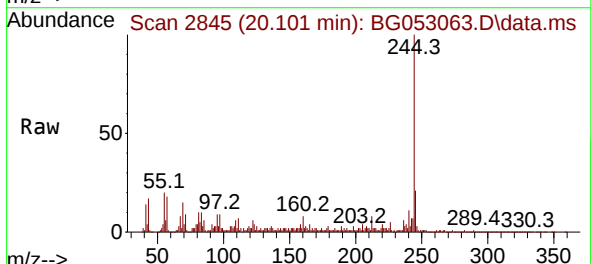
Instrument :
 BNA_G
 ClientSampleId :
 WC-14A-1A-4-3

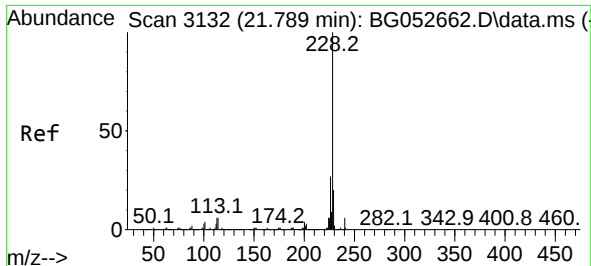
Tgt Ion:202 Resp: 77542
 Ion Ratio Lower Upper
 202 100
 200 21.1 17.0 25.6
 203 31.7 15.0 22.6#



#79
 Terphenyl-d14
 Concen: 53.997 ng
 RT: 20.101 min Scan# 2845
 Delta R.T. 0.007 min
 Lab File: BG053063.D
 Acq: 6 Apr 2022 20:23

Tgt Ion:244 Resp: 533018
 Ion Ratio Lower Upper
 244 100
 212 8.1 5.4 8.2
 122 6.0 5.8 8.6

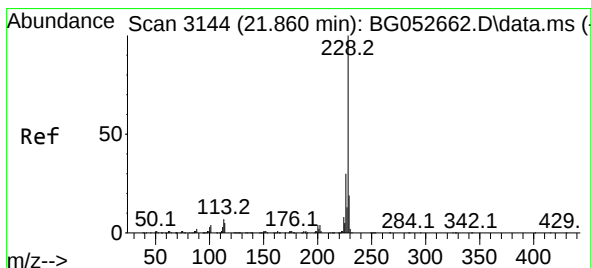
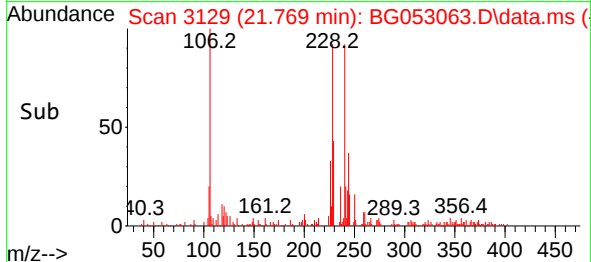
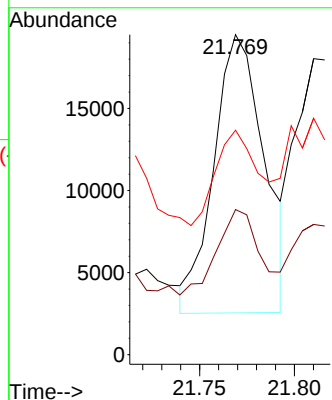
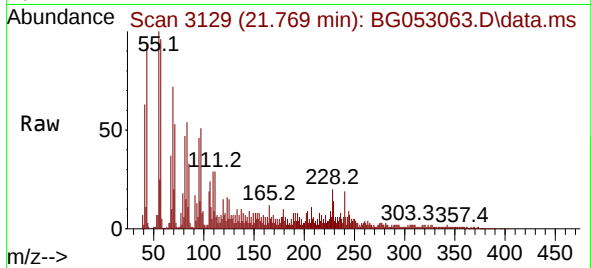




#81
Benzo(a)anthracene
Concen: 2.657 ng
RT: 21.769 min Scan# 311
Delta R.T. 0.012 min
Lab File: BG053063.D
Acq: 6 Apr 2022 20:23

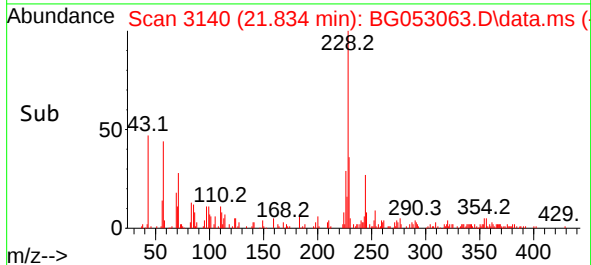
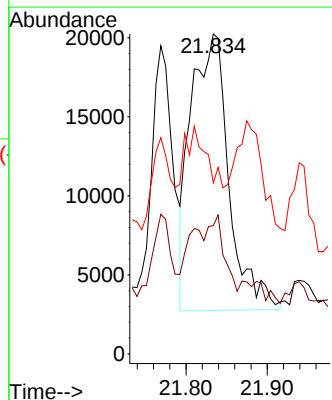
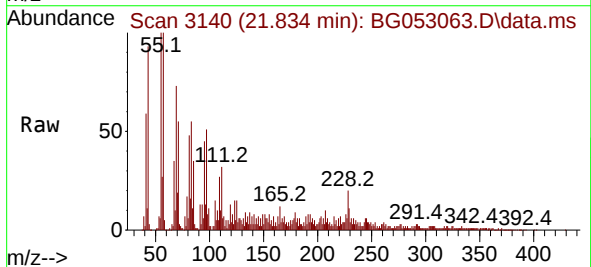
Instrument :
BNA_G
ClientSampleId :
WC-14A-1A-4-3

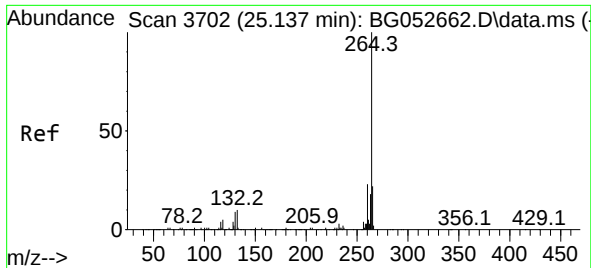
Tgt Ion:228 Resp: 31242
Ion Ratio Lower Upper
228 100
226 45.3 21.4 32.0#
229 70.2 16.7 25.1#



#83
Chrysene
Concen: 5.162 ng
RT: 21.834 min Scan# 3140
Delta R.T. 0.007 min
Lab File: BG053063.D
Acq: 6 Apr 2022 20:23

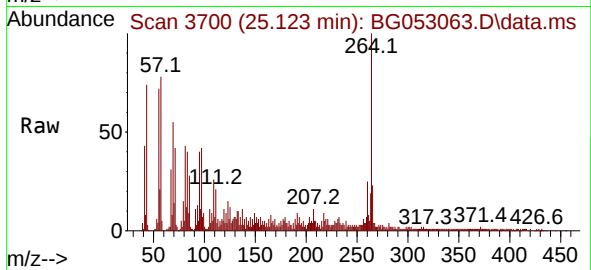
Tgt Ion:228 Resp: 57057
Ion Ratio Lower Upper
228 100
226 40.1 24.2 36.4#
229 53.5 16.3 24.5#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.123 min Scan# 31
 Delta R.T. 0.042 min
 Lab File: BG053063.D
 Acq: 6 Apr 2022 20:23

Instrument :
 BNA_G
 ClientSampleId :
 WC-14A-1A-4-3



Tgt Ion:264 Resp: 184297
 Ion Ratio Lower Upper
 264 100
 260 24.8 18.2 27.2
 265 23.1 15.1 22.7#

