

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070122\
 Data File : BG054195.D
 Acq On : 1 Jul 2022 17:36
 Operator : CG/JU
 Sample : N3564-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-14B-11-1

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/05/2022
 Supervised By : Jagrut Upadhyay 07/05/2022

Quant Time: Jul 01 23:34:59 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 27 00:27:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.070	152	19956	20.000	ng	0.00
21) Naphthalene-d8	10.884	136	75570	20.000	ng	# 0.00
39) Acenaphthene-d10	14.703	164	53011	20.000	ng	0.00
64) Phenanthrene-d10	17.453	188	120617	20.000	ng	# 0.01
76) Chrysene-d12	21.742	240	137656	20.000	ng	# 0.02
86) Perylene-d12	25.038	264	148966	20.000	ng	# 0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.637	112	95655	91.644	ng	0.00
7) Phenol-d6	7.230	99	125490	88.626	ng	0.00
23) Nitrobenzene-d5	9.227	82	98192	73.019	ng	0.00
42) 2,4,6-Tribromophenol	16.196	330	86946	102.083	ng	0.01
45) 2-Fluorobiphenyl	13.323	172	236973	65.004	ng	0.00
79) Terphenyl-d14	20.062	244	440620	64.468	ng	0.02
Target Compounds						Qvalue
37) 2-Methylnaphthalene	12.535	142	8133	2.881	ng	# 67
38) 1-Methylnaphthalene	12.753	142	8894	3.236	ng	# 82
52) Acenaphthene	14.768	154	18549	6.262	ng	# 92
58) Fluorene	15.749	166	35209	8.986	ng	# 75
71) Phenanthrene	17.494	178	74143	11.964	ng	# 84
72) Anthracene	17.582	178	17370	2.870	ng	# 59
75) Fluoranthene	19.509	202	51479	6.328	ng	76
78) Pyrene	19.868	202	70292	8.455	ng	# 76
81) Benzo(a)anthracene	21.719	228	38658	4.337	ng	# 62
83) Chrysene	21.789	228	63262m	7.446	ng	
88) Benzo(b)fluoranthene	23.987	252	43654m	4.820	ng	
90) Benzo(a)pyrene	24.880	252	45625	5.970	ng	# 47
92) Benzo(g,h,i)perylene	29.956	276	42297	4.611	ng	# 82

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

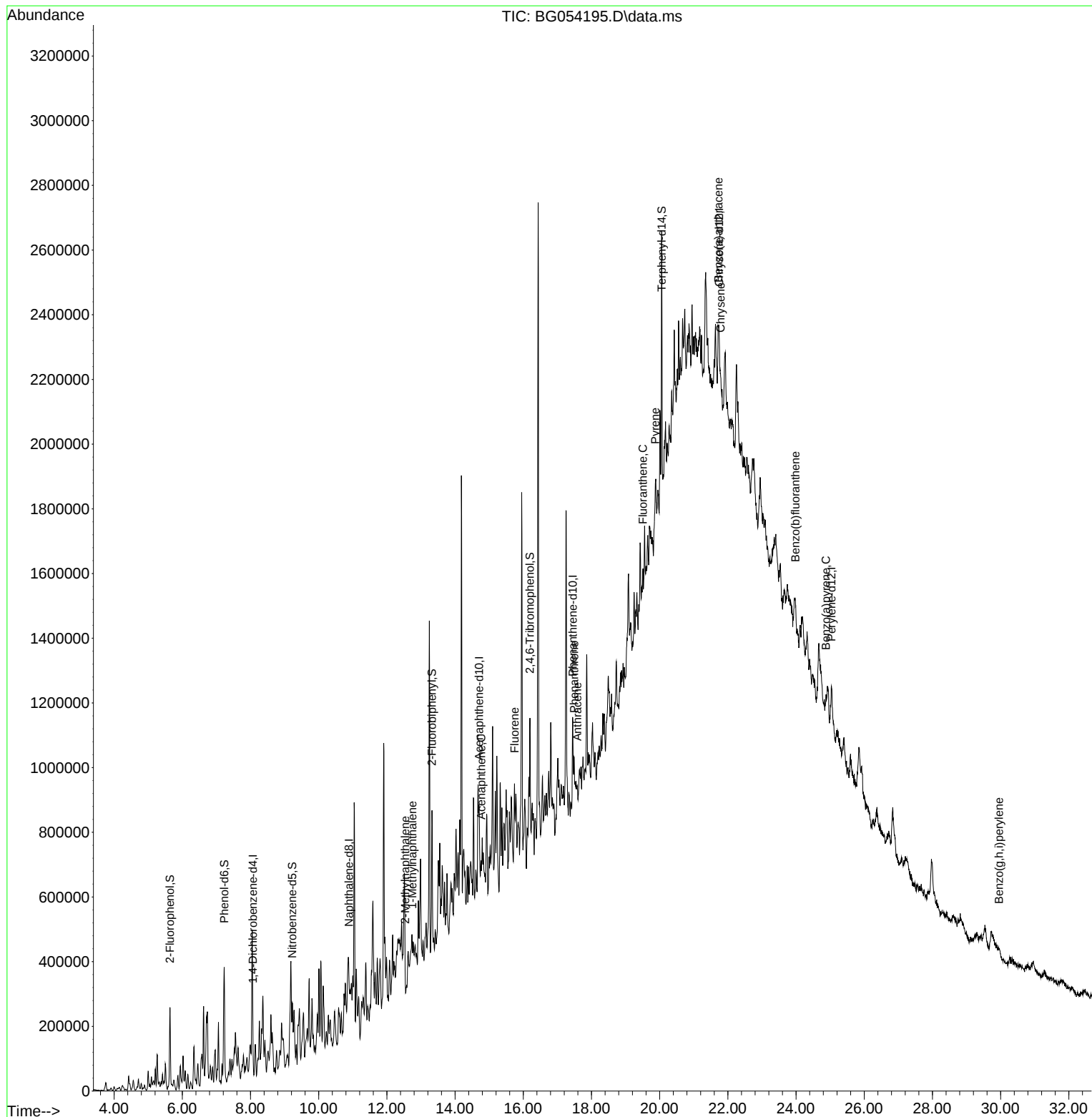
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070122\
Data File : BG054195.D
Acq On : 1 Jul 2022 17:36
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ALS Vial : 12 Sample Multiplier: 1

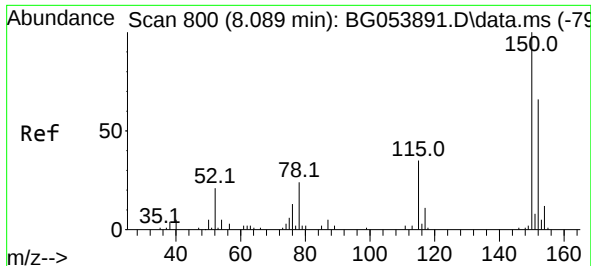
Instrument :
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Quant Time: Jul 01 23:34:59 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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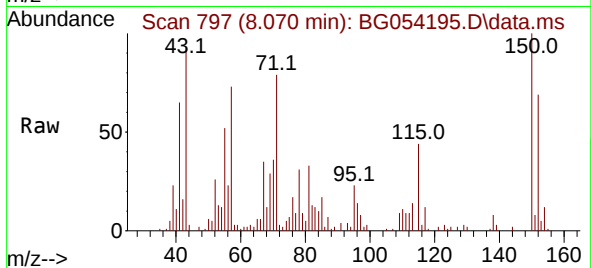
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.070 min Scan# 79
Delta R.T. -0.000 min
Lab File: BG054195.D
Acq: 1 Jul 2022 17:36

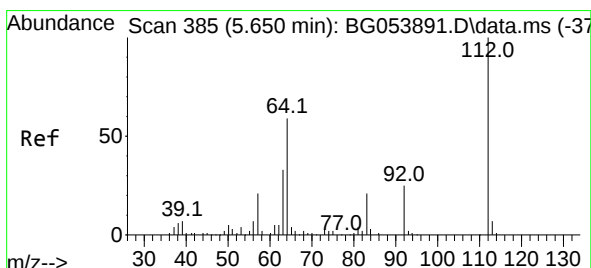
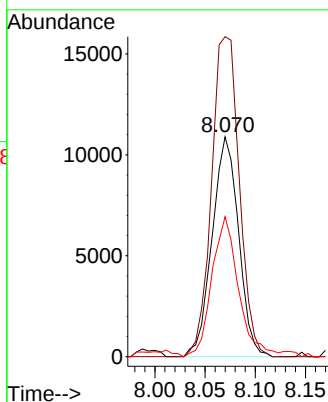
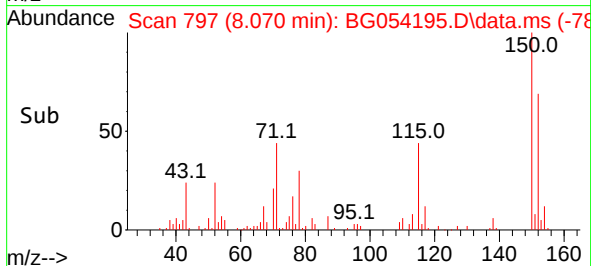
Instrument :
BNA_G
ClientSampleId :
WC-14B-11-1



Tgt Ion:152 Resp: 1995
Ion Ratio Lower Upper
152 100
150 145.6 131.6 197.4
115 63.7 50.9 76.3

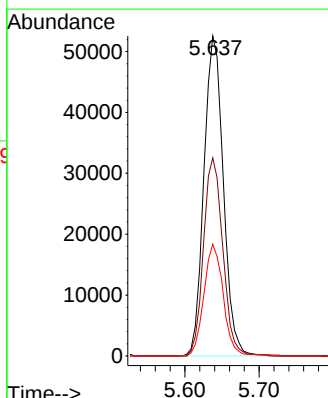
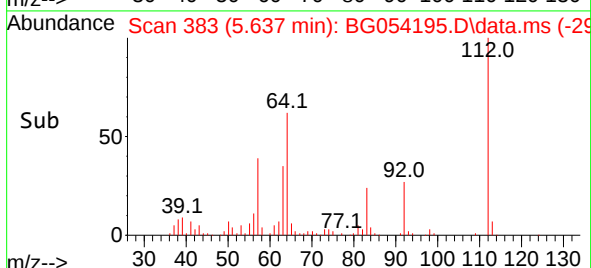
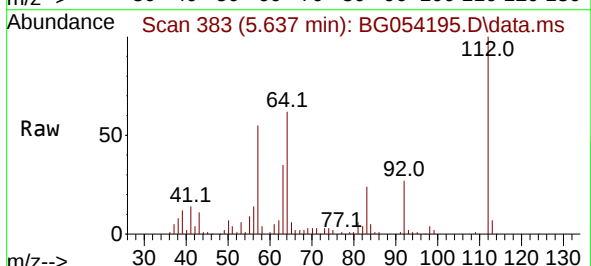
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#5
2-Fluorophenol
Concen: 91.644 ng
RT: 5.637 min Scan# 383
Delta R.T. -0.000 min
Lab File: BG054195.D
Acq: 1 Jul 2022 17:36

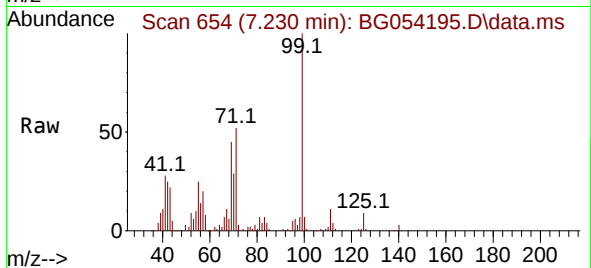
Tgt Ion:112 Resp: 95655
Ion Ratio Lower Upper
112 100
64 61.9 55.1 82.7
63 34.9 30.4 45.6





#7
Phenol-d6
Concen: 88.626 ng
RT: 7.230 min Scan# 61
Delta R.T. -0.000 min
Lab File: BG054195.D
Acq: 1 Jul 2022 17:36

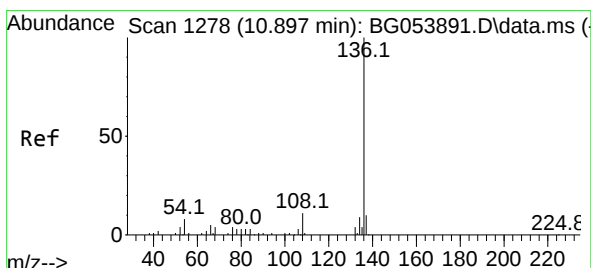
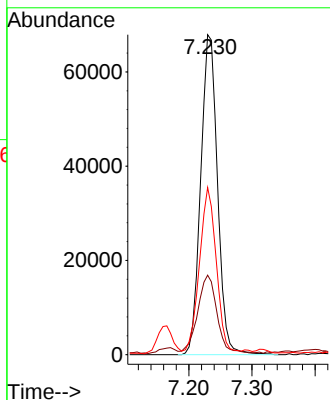
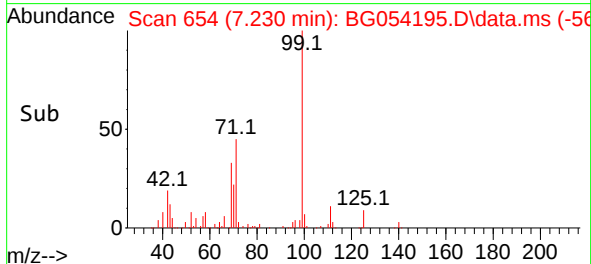
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ClientSampleId :
WC-14B-11-1



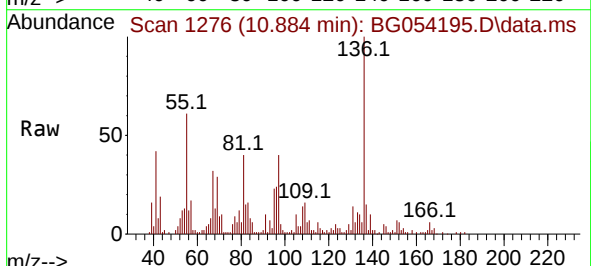
Tgt Ion: 99 Resp: 125490
Ion Ratio Lower Upper
99 100
42 24.8 17.0 25.6
71 52.2 33.8 50.8

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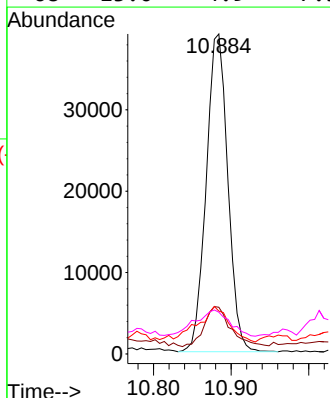
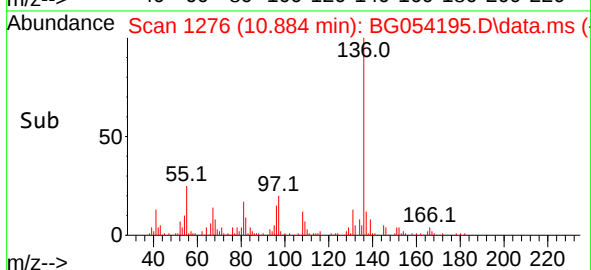
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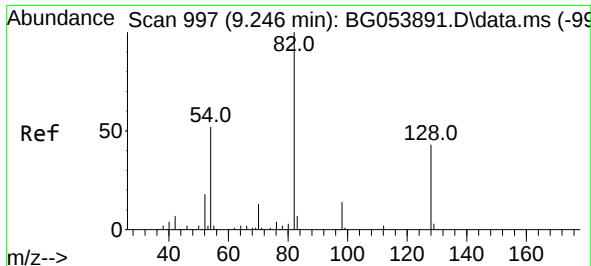


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.884 min Scan# 1276
Delta R.T. 0.005 min
Lab File: BG054195.D
Acq: 1 Jul 2022 17:36



Tgt Ion:136 Resp: 75570
Ion Ratio Lower Upper
136 100
137 14.6 8.5 12.7#
54 13.4 7.4 11.2#
68 13.0 4.9 7.3#





#23
Nitrobenzene-d5
Concen: 73.019 ng
RT: 9.227 min Scan# 997
Delta R.T. -0.006 min
Lab File: BG054195.D
Acq: 1 Jul 2022 17:36

Instrument :

BNA_G

ClientSampleId :

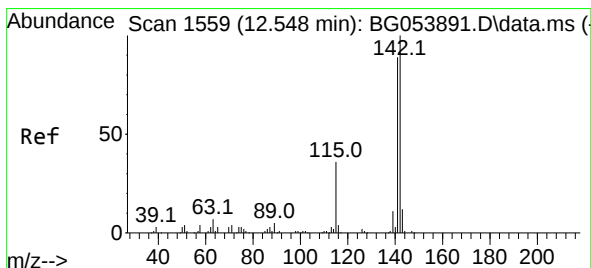
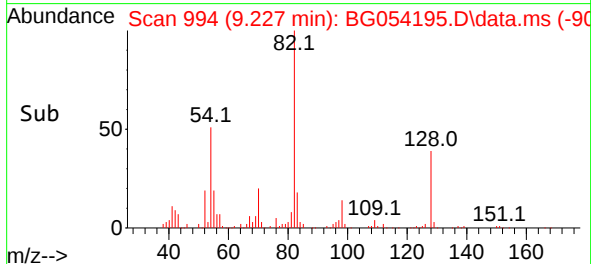
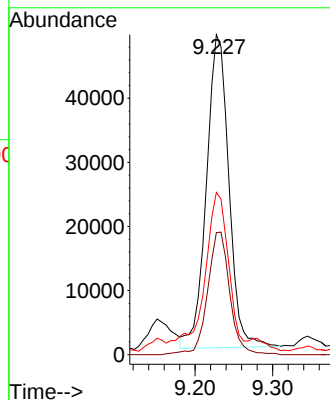
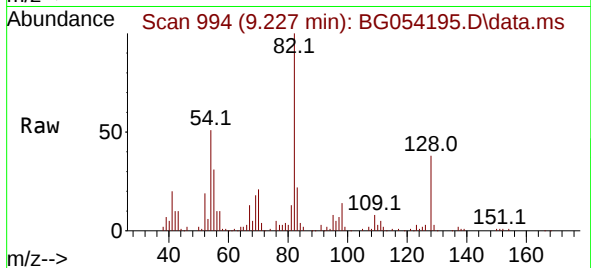
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Tgt Ion: 82 Resp: 98192
Ion Ratio Lower Upper
82 100
128 38.2 27.9 41.9
54 50.7 41.2 61.8

Manual Integrations

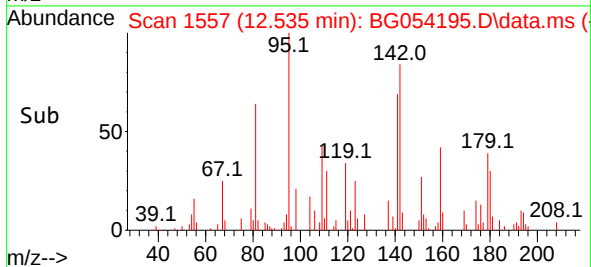
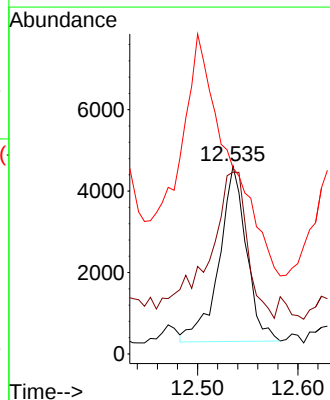
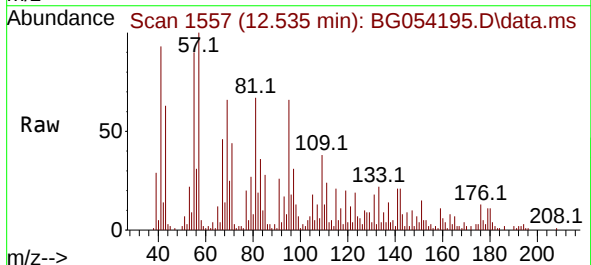
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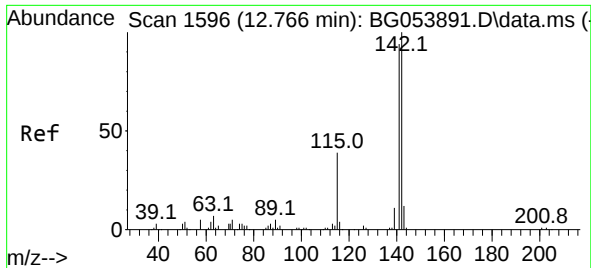
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022



#37
2-Methylnaphthalene
Concen: 2.881 ng
RT: 12.535 min Scan# 1557
Delta R.T. 0.005 min
Lab File: BG054195.D
Acq: 1 Jul 2022 17:36

Tgt Ion:142 Resp: 8133
Ion Ratio Lower Upper
142 100
141 96.8 72.3 108.5
115 99.1 33.7 50.5#





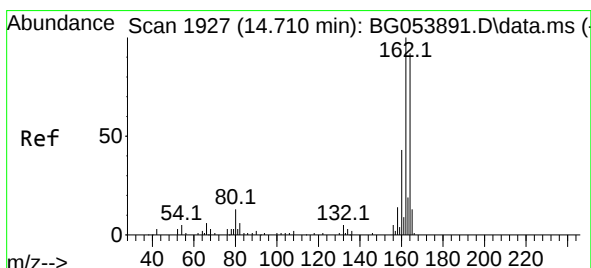
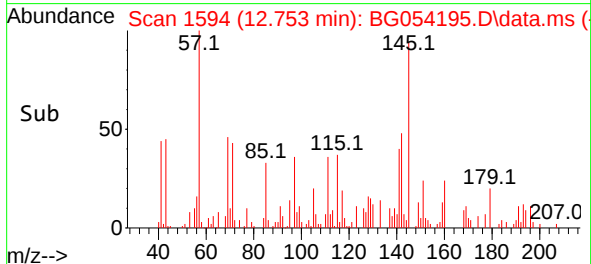
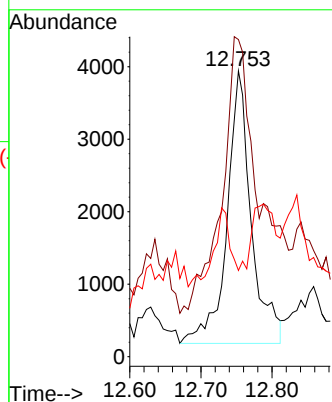
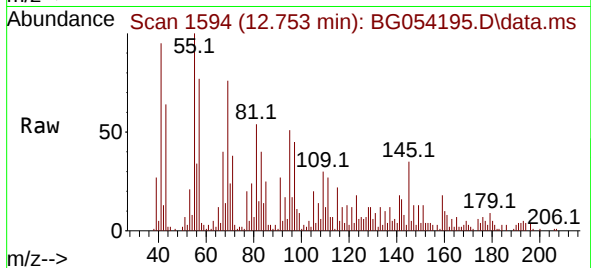
#38
1-Methylnaphthalene
Concen: 3.236 ng
RT: 12.753 min Scan# 1594
Delta R.T. 0.005 min
Lab File: BG054195.D
Acq: 1 Jul 2022 17:36

Instrument :
BNA_G
ClientSampleId :
WC-14B-11-1

Tgt Ion:142 Resp: 8894
Ion Ratio Lower Upper
142 100
141 111.0 76.4 114.6
116 30.2 3.3 4.9

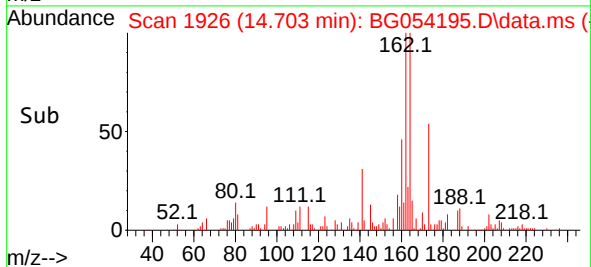
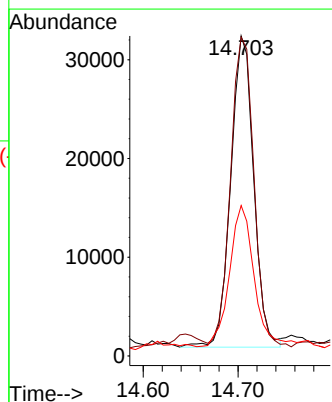
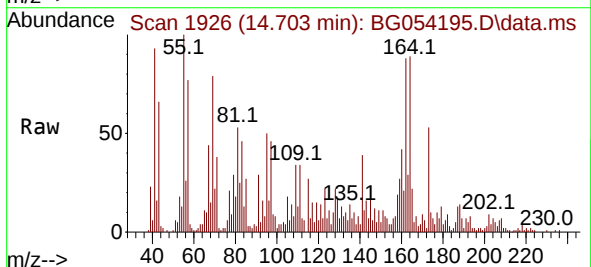
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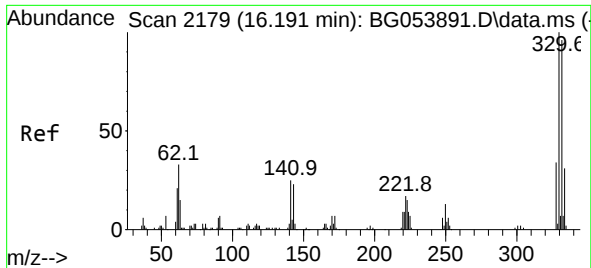
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.703 min Scan# 1926
Delta R.T. 0.005 min
Lab File: BG054195.D
Acq: 1 Jul 2022 17:36

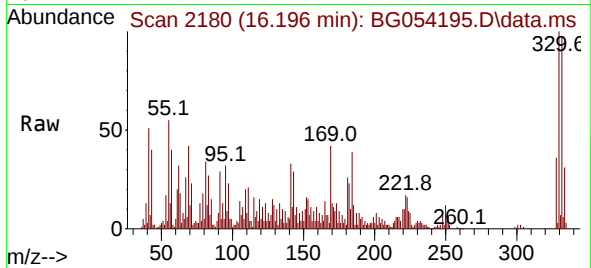
Tgt Ion:164 Resp: 53011
Ion Ratio Lower Upper
164 100
162 99.6 82.3 123.5
160 47.0 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 102.083 ng
RT: 16.196 min Scan# 2179
Delta R.T. 0.011 min
Lab File: BG054195.D
Acq: 1 Jul 2022 17:36

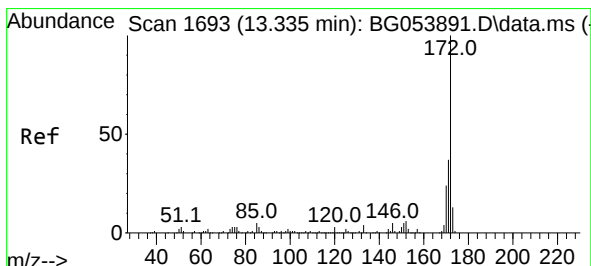
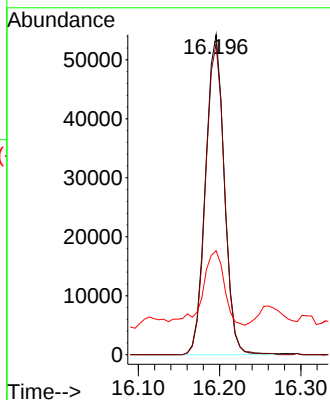
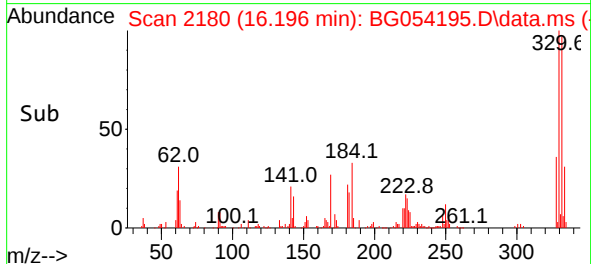
Instrument :
BNA_G
ClientSampleId :
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Tgt Ion:330 Resp: 86940
Ion Ratio Lower Upper
330 100
332 97.8 76.0 114.0
141 26.0 27.1 40.7

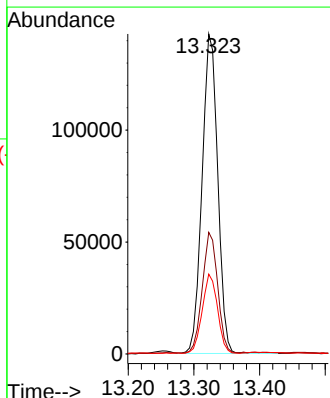
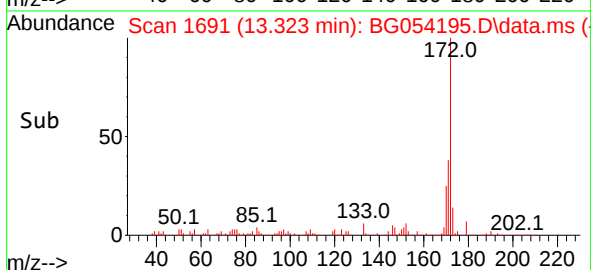
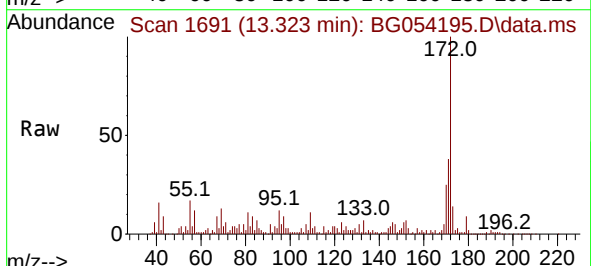
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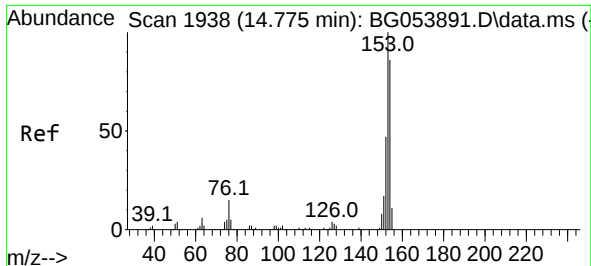
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022



#45
2-Fluorobiphenyl
Concen: 65.004 ng
RT: 13.323 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BG054195.D
Acq: 1 Jul 2022 17:36

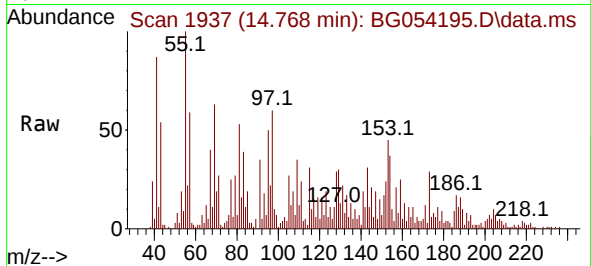
Tgt Ion:172 Resp: 236973
Ion Ratio Lower Upper
172 100
171 38.0 28.5 42.7
170 24.9 18.9 28.3





#52
Acenaphthene
Concen: 6.262 ng
RT: 14.768 min Scan# 1937
Delta R.T. 0.005 min
Lab File: BG054195.D
Acq: 1 Jul 2022 17:36

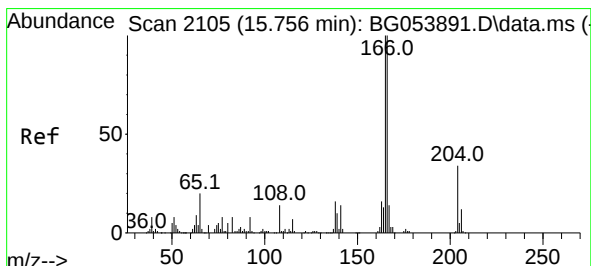
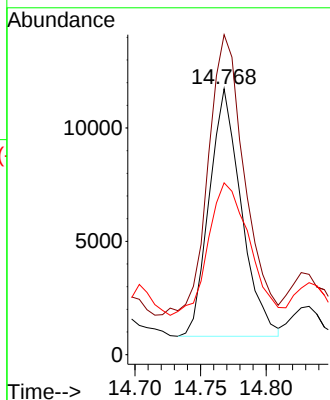
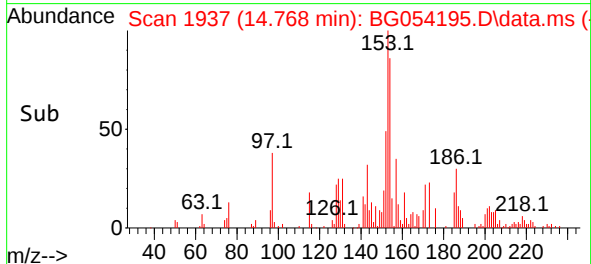
Instrument :
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Tgt Ion:154 Resp: 18549
Ion Ratio Lower Upper
154 100
153 120.4 92.7 139.1
152 64.6 42.6 64.0

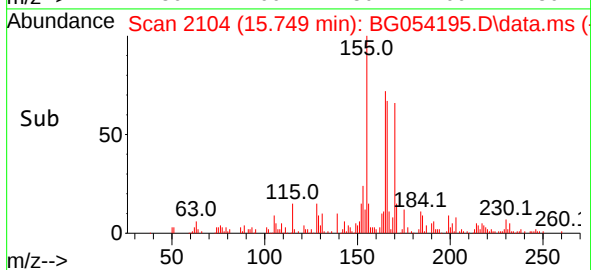
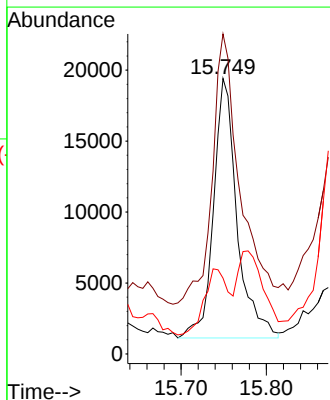
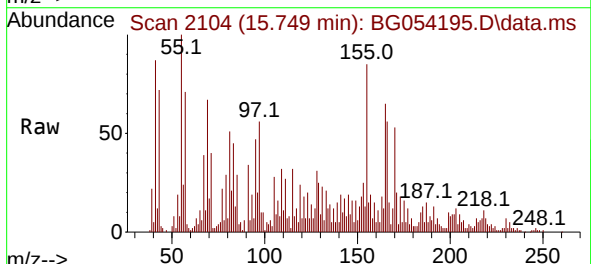
Manual Integrations
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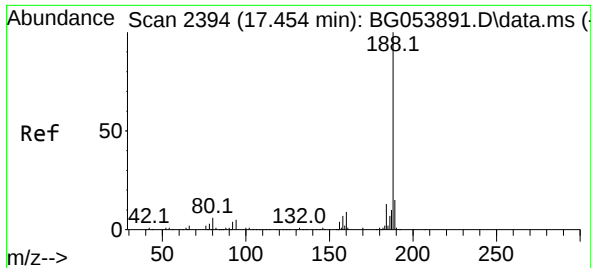
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022



#58
Fluorene
Concen: 8.986 ng
RT: 15.749 min Scan# 2104
Delta R.T. 0.005 min
Lab File: BG054195.D
Acq: 1 Jul 2022 17:36

Tgt Ion:166 Resp: 35209
Ion Ratio Lower Upper
166 100
165 116.2 75.0 112.6#
167 27.5 10.8 16.2#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.453 min Scan# 21
Delta R.T. 0.011 min
Lab File: BG054195.D
Acq: 1 Jul 2022 17:36

Instrument :

BNA_G

ClientSampleId :

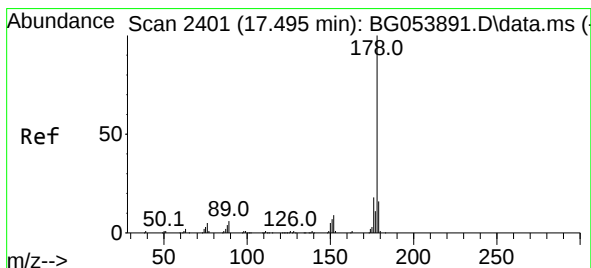
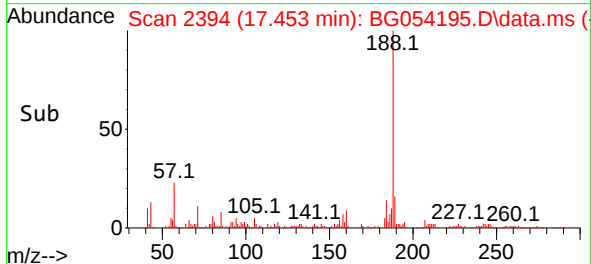
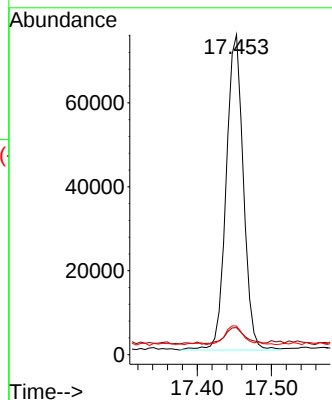
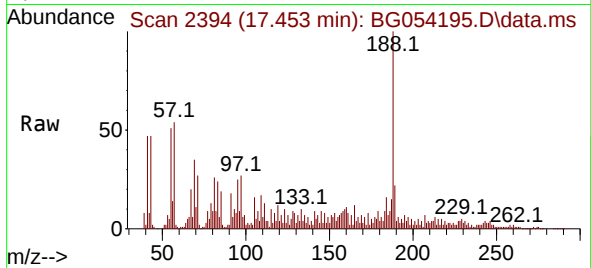
WC-14B-11-1

Tgt Ion:188 Resp: 12061
Ion Ratio Lower Upper
188 100
94 8.5 5.4 8.0
80 8.9 6.8 10.2

Manual Integrations

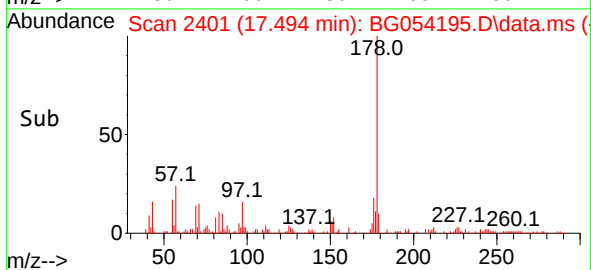
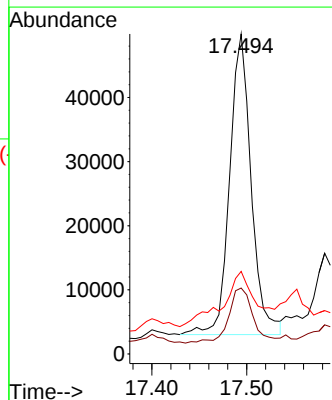
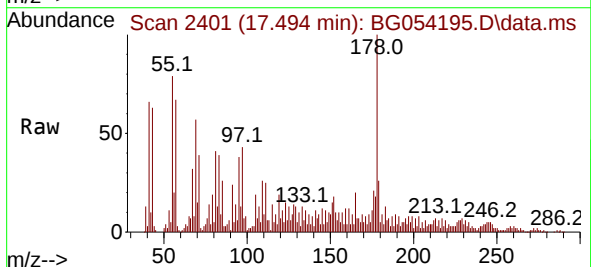
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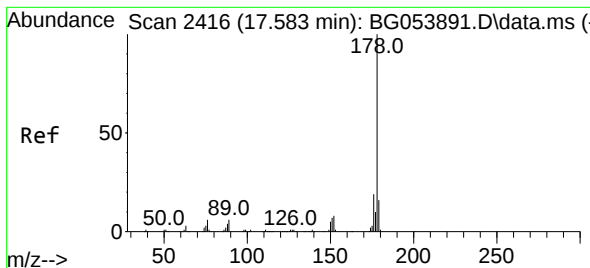
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022



#71
Phenanthrene
Concen: 11.964 ng
RT: 17.494 min Scan# 2401
Delta R.T. 0.011 min
Lab File: BG054195.D
Acq: 1 Jul 2022 17:36

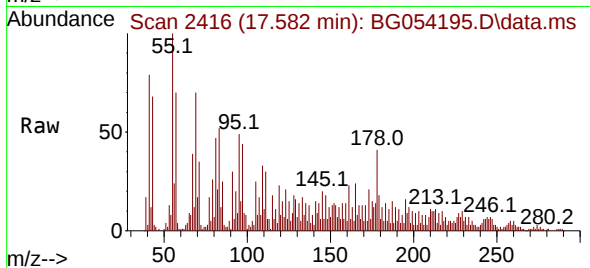
Tgt Ion:178 Resp: 74143
Ion Ratio Lower Upper
178 100
176 20.6 14.1 21.1
179 25.8 12.1 18.1#





#72
 Anthracene
 Concen: 2.870 ng
 RT: 17.582 min Scan# 2416
 Delta R.T. 0.005 min
 Lab File: BG054195.D
 Acq: 1 Jul 2022 17:36

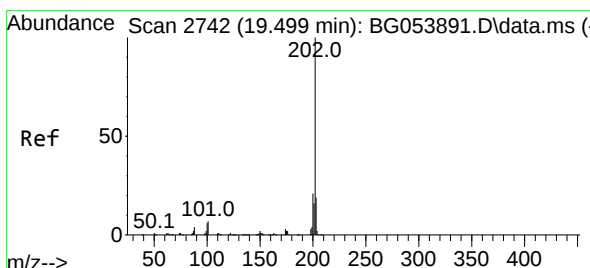
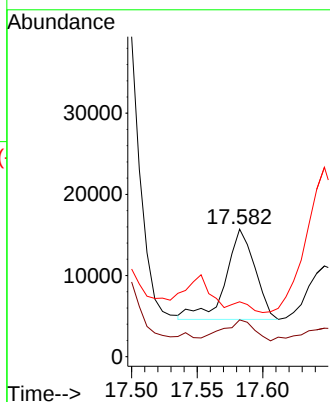
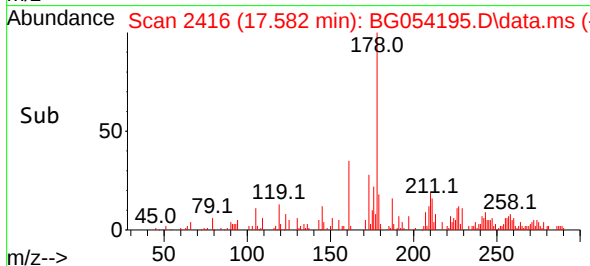
Instrument :
 BNA_G
 ClientSampleId :
 WC-14B-11-1



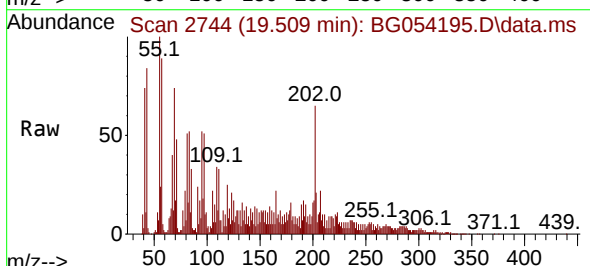
Tgt Ion:178 Resp: 17370
 Ion Ratio Lower Upper
 178 100
 176 28.9 15.2 22.8
 179 43.0 13.0 19.4

Manual Integrations
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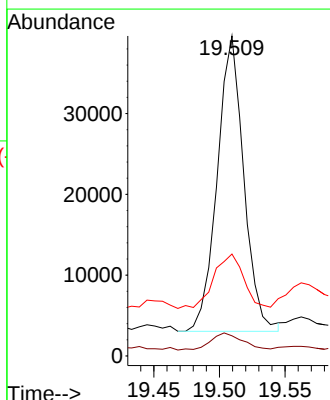
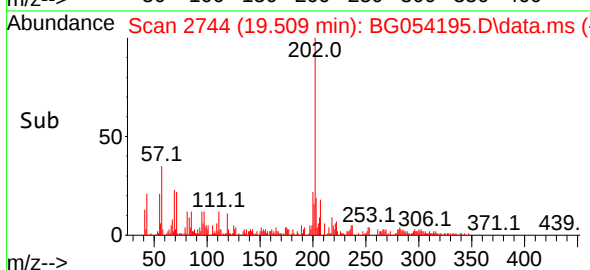
Reviewed By :Christian Giraldo 07/05/2022
 Supervised By :Jagrut Upadhyay 07/05/2022

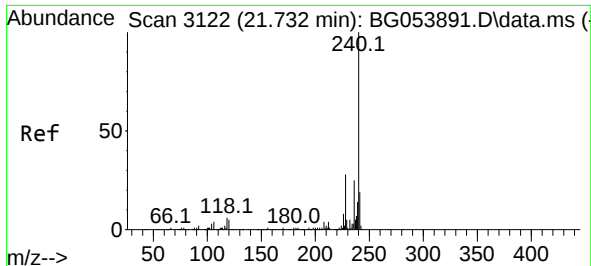


#75
 Fluoranthene
 Concen: 6.328 ng
 RT: 19.509 min Scan# 2744
 Delta R.T. 0.017 min
 Lab File: BG054195.D
 Acq: 1 Jul 2022 17:36



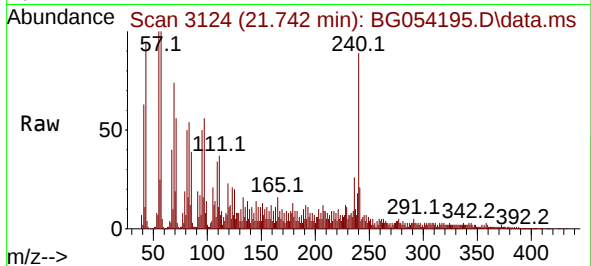
Tgt Ion:202 Resp: 51479
 Ion Ratio Lower Upper
 202 100
 101 6.3 0.0 26.9
 203 31.8 0.0 37.2





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.742 min Scan# 3124
Delta R.T. 0.023 min
Lab File: BG054195.D
Acq: 1 Jul 2022 17:36

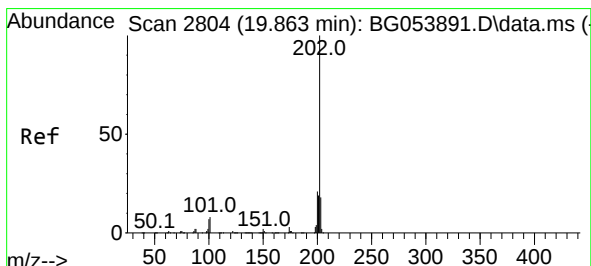
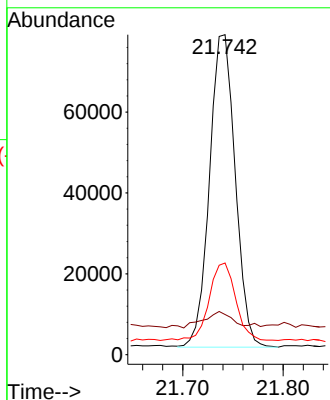
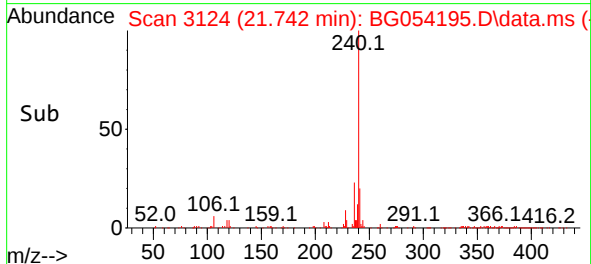
Instrument :
BNA_G
ClientSampleId :
WC-14B-11-1



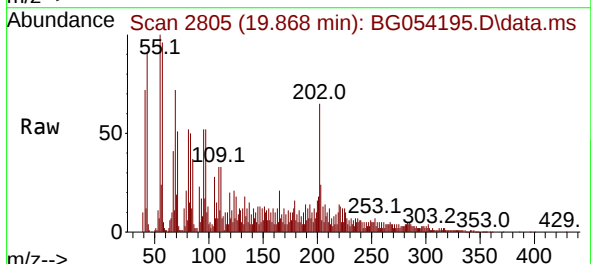
Tgt Ion:240 Resp: 137650
Ion Ratio Lower Upper
240 100
120 12.6 4.6 7.0
236 28.6 20.2 30.4

Manual Integrations
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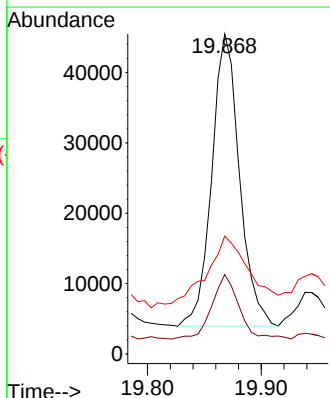
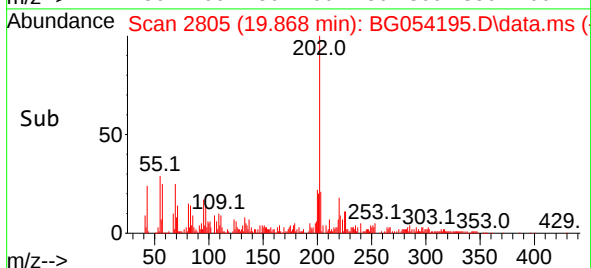
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

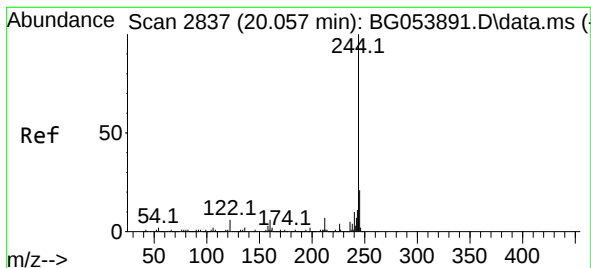


#78
Pyrene
Concen: 8.455 ng
RT: 19.868 min Scan# 2805
Delta R.T. 0.017 min
Lab File: BG054195.D
Acq: 1 Jul 2022 17:36



Tgt Ion:202 Resp: 70292
Ion Ratio Lower Upper
202 100
200 24.8 16.6 24.8
203 36.9 14.6 21.8





#79

Terphenyl-d14

Concen: 64.468 ng

RT: 20.062 min Scan# 21

Delta R.T. 0.017 min

Lab File: BG054195.D

Acq: 1 Jul 2022 17:36

Instrument :

BNA_G

ClientSampleId :

WC-14B-11-1

Tgt Ion:244 Resp: 440620

Ion Ratio Lower Upper

244 100

212 7.7 6.5 9.7

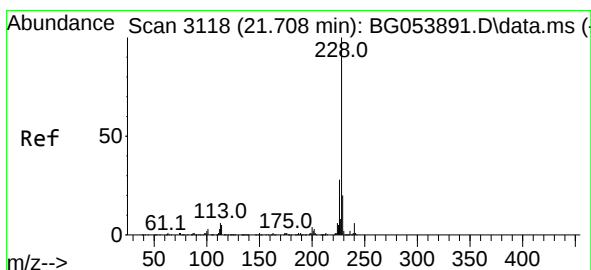
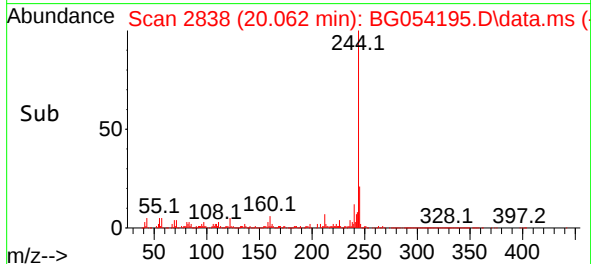
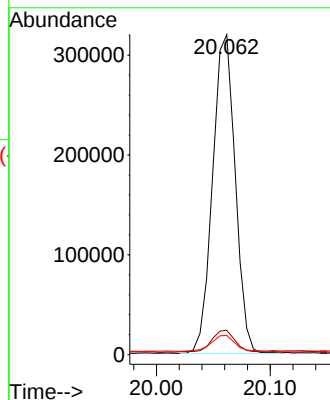
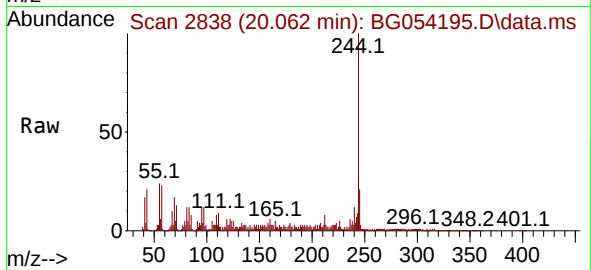
122 6.0 5.0 7.4

Manual Integrations

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Reviewed By :Christian Giraldo 07/05/2022

Supervised By :Jagrut Upadhyay 07/05/2022



#81

Benzo(a)anthracene

Concen: 4.337 ng

RT: 21.719 min Scan# 3120

Delta R.T. 0.023 min

Lab File: BG054195.D

Acq: 1 Jul 2022 17:36

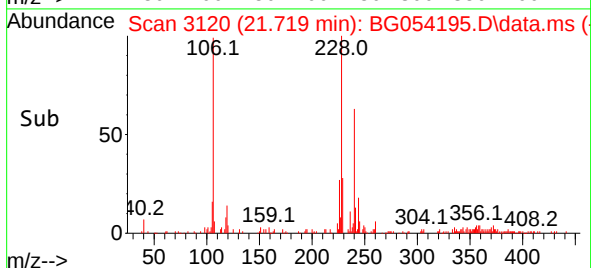
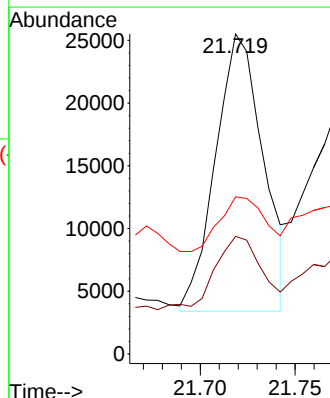
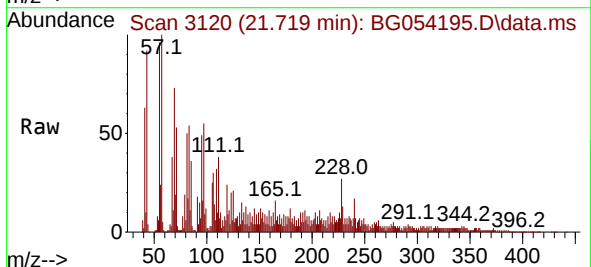
Tgt Ion:228 Resp: 38658

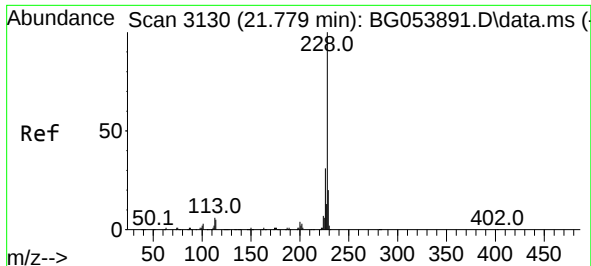
Ion Ratio Lower Upper

228 100

226 36.8 21.6 32.4#

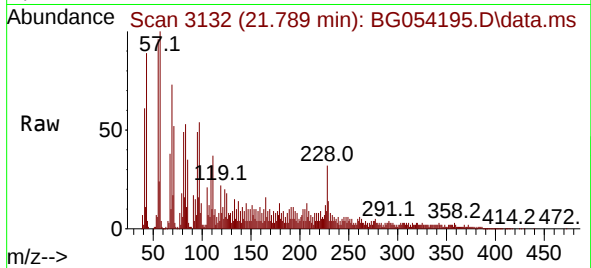
229 49.1 16.2 24.2#





#83
Chrysene
Concen: 7.446 ng m
RT: 21.789 min Scan# 3130
Delta R.T. 0.029 min
Lab File: BG054195.D
Acq: 1 Jul 2022 17:36

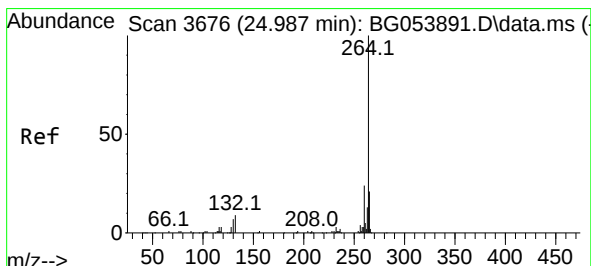
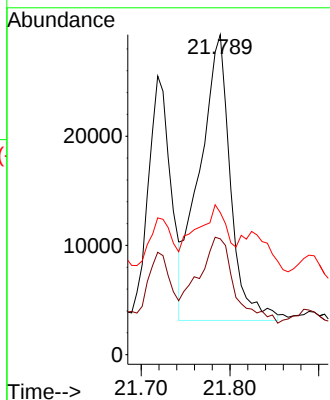
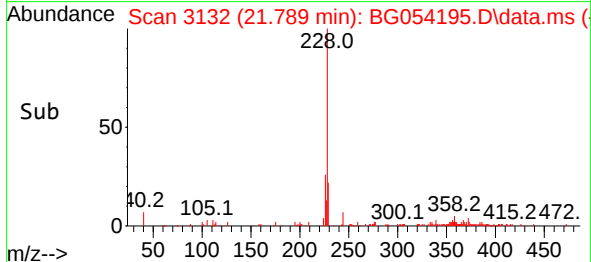
Instrument :
BNA_G
ClientSampleId :
WC-14B-11-1



Tgt Ion:228 Resp: 63262
Ion Ratio Lower Upper
228 100
226 36.2 23.4 35.2
229 44.4 15.5 23.3

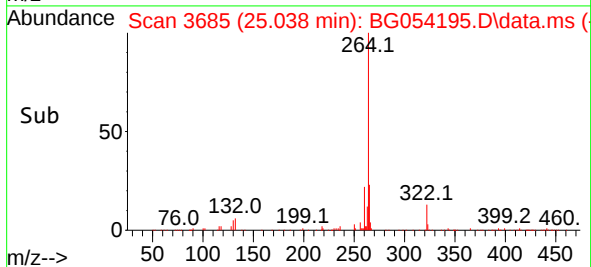
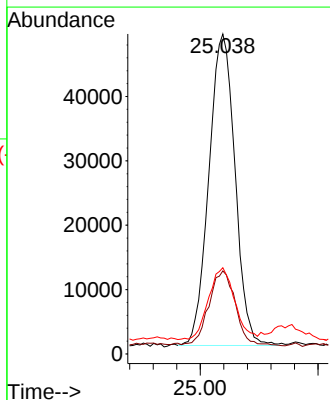
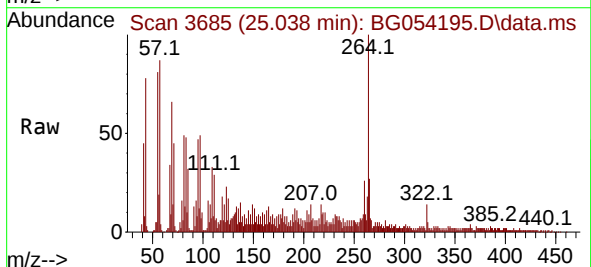
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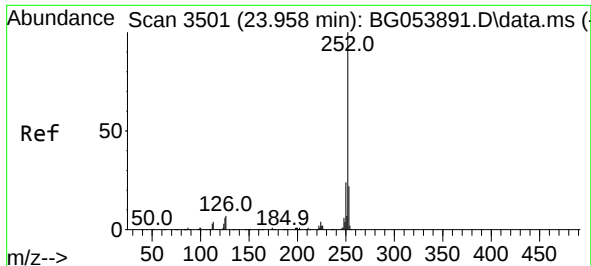
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.038 min Scan# 3685
Delta R.T. 0.076 min
Lab File: BG054195.D
Acq: 1 Jul 2022 17:36

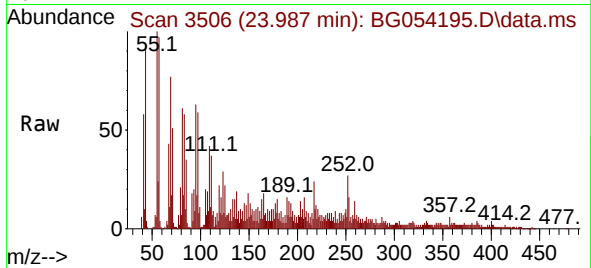
Tgt Ion:264 Resp: 148966
Ion Ratio Lower Upper
264 100
260 26.0 19.0 28.6
265 27.0 17.4 26.2





#88
Benzo(b)fluoranthene
Concen: 4.820 ng m
RT: 23.987 min Scan# 3506
Delta R.T. 0.052 min
Lab File: BG054195.D
Acq: 1 Jul 2022 17:36

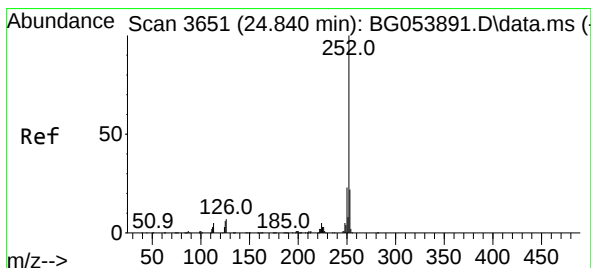
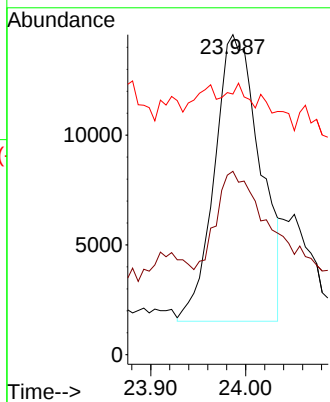
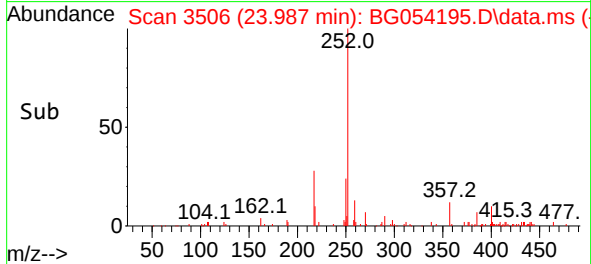
Instrument :
BNA_G
ClientSampleId :
WC-14B-11-1



Tgt Ion:252 Resp: 43654
Ion Ratio Lower Upper
252 100
253 57.3 18.0 27.0#
125 81.5 4.6 6.8#

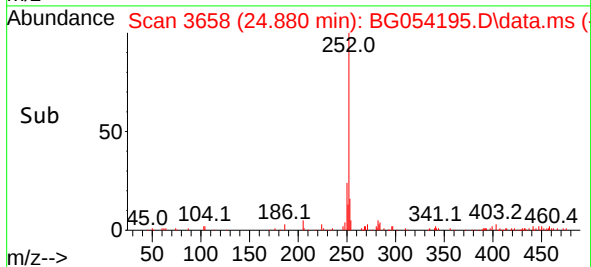
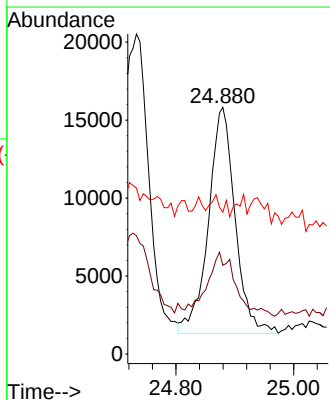
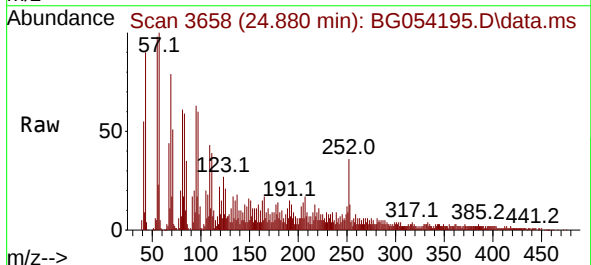
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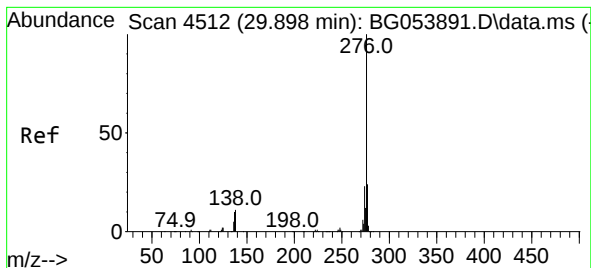
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022



#90
Benzo(a)pyrene
Concen: 5.970 ng
RT: 24.880 min Scan# 3658
Delta R.T. 0.064 min
Lab File: BG054195.D
Acq: 1 Jul 2022 17:36

Tgt Ion:252 Resp: 45625
Ion Ratio Lower Upper
252 100
253 36.0 17.8 26.8#
125 57.5 4.3 6.5#





#92

Benzo(g,h,i)perylene

Concen: 4.611 ng

RT: 29.956 min Scan# 4

Delta R.T. 0.094 min

Lab File: BG054195.D

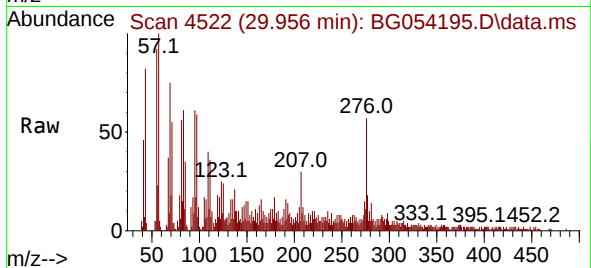
Acq: 1 Jul 2022 17:36

Instrument :

BNA_G

ClientSampleId :

WC-14B-11-1



Tgt Ion:	276	Resp:	4229
Ion Ratio	Lower	Upper	
276	100		
277	31.1	17.3	25.9
138	17.6	9.6	14.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/05/2022

Supervised By :Jagrut Upadhyay 07/05/2022

