

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070122\
 Data File : BG054196.D
 Acq On : 1 Jul 2022 18:15
 Operator : CG/JU
 Sample : N3564-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-14B-11-2

Manual Integrations
 APPROVED

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

Quant Time: Jul 01 23:35:11 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	8.071	152	19223	20.000	ng	0.00
21) Naphthalene-d8	10.886	136	71338	20.000	ng	# 0.00
39) Acenaphthene-d10	14.711	164	51472	20.000	ng	0.01
64) Phenanthrene-d10	17.460	188	110929	20.000	ng	# 0.02
76) Chrysene-d12	21.749	240	128874	20.000	ng	# 0.03
86) Perylene-d12	25.046	264	138681	20.000	ng	# 0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.639	112	88756	88.276	ng	0.00
7) Phenol-d6	7.231	99	115732	84.851	ng	0.00
23) Nitrobenzene-d5	9.235	82	95950	75.584	ng	0.00
42) 2,4,6-Tribromophenol	16.203	330	79359	95.961	ng	0.02
45) 2-Fluorobiphenyl	13.330	172	210842	59.565	ng	0.00
79) Terphenyl-d14	20.063	244	396483	61.964	ng	0.02
Target Compounds						Qvalue
37) 2-Methylnaphthalene	12.543	142	47182m	17.708	ng	
38) 1-Methylnaphthalene	12.760	142	127386	49.100	ng	# 96
52) Acenaphthene	14.775	154	20647	7.179	ng	# 64
58) Fluorene	15.762	166	69079	18.157	ng	# 77
71) Phenanthrene	17.501	178	184811	32.427	ng	# 87
72) Anthracene	17.590	178	25231	4.534	ng	# 59
75) Fluoranthene	19.517	202	65719	8.784	ng	71
78) Pyrene	19.875	202	112604	14.467	ng	# 83
81) Benzo(a)anthracene	21.726	228	58811	7.048	ng	# 54
83) Chrysene	21.796	228	99824	12.550	ng	# 60
88) Benzo(b)fluoranthene	24.000	252	52676m	6.247	ng	
90) Benzo(a)pyrene	24.881	252	42357	5.954	ng	# 32
92) Benzo(g,h,i)perylene	29.975	276	32251	3.776	ng	# 79

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

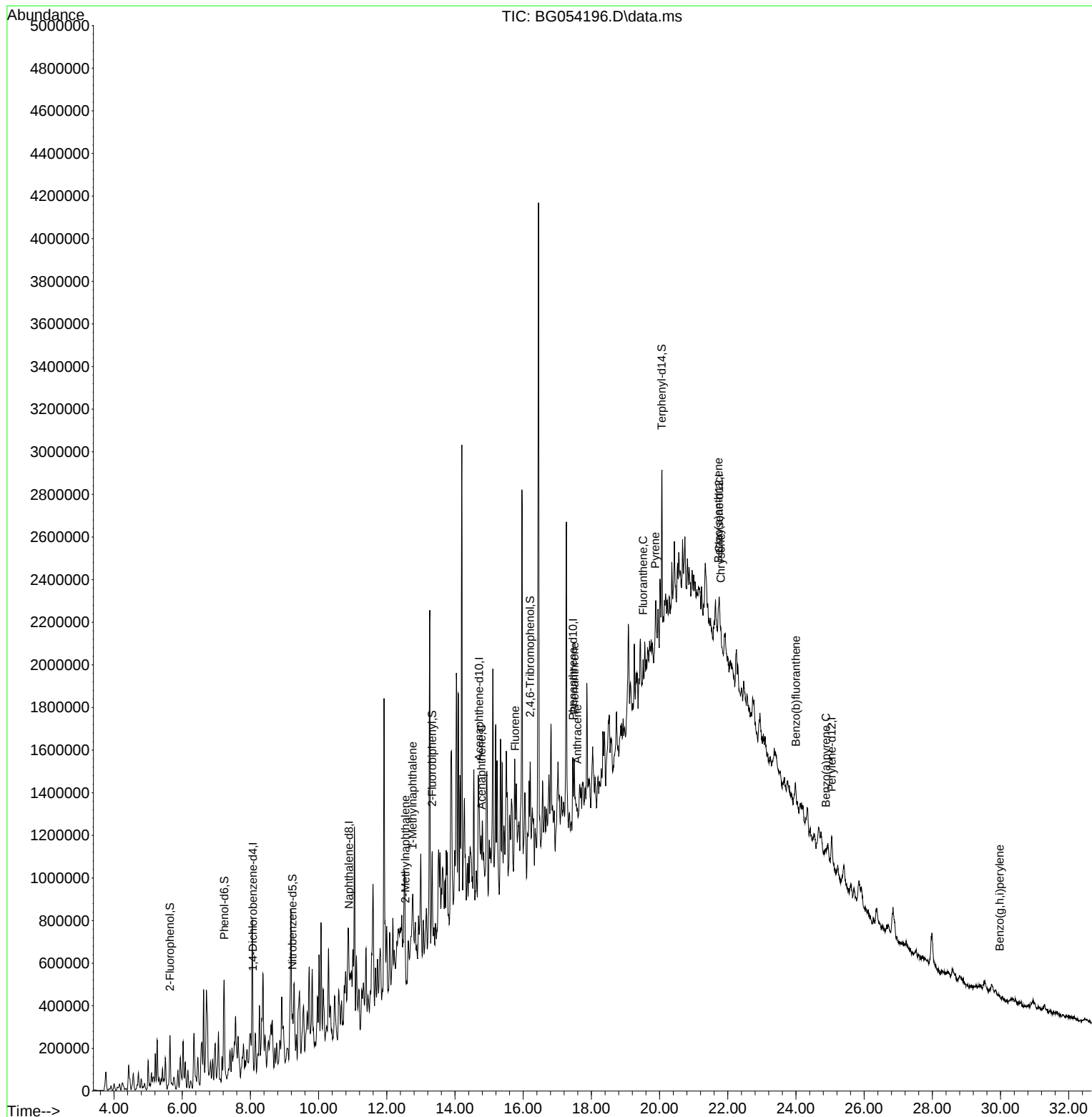
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Data File : BG054196.D
Acq On : 1 Jul 2022 18:15
Operator : CG/JU
Sample : N3564-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

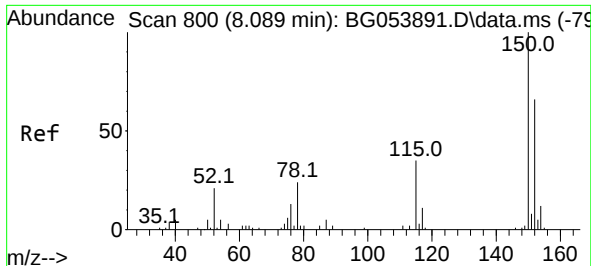
Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
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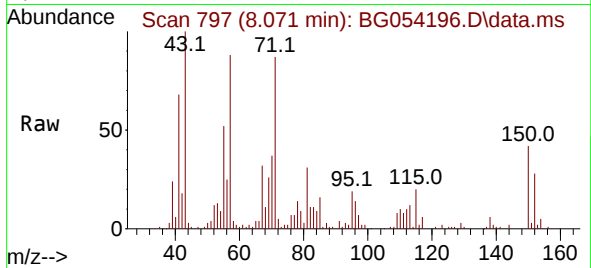
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.071 min Scan# 79
Delta R.T. 0.001 min
Lab File: BG054196.D
Acq: 1 Jul 2022 18:15

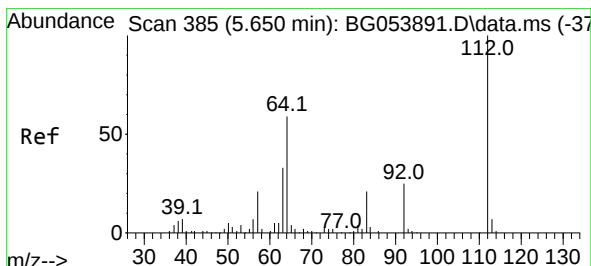
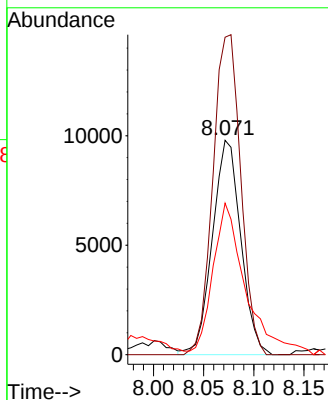
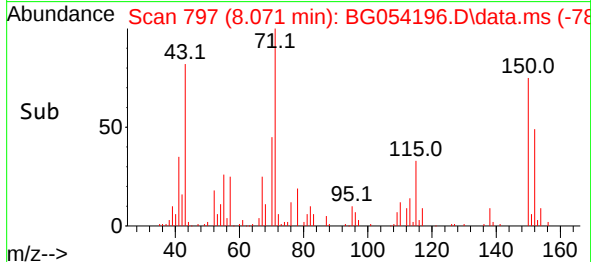
Instrument :
BNA_G
ClientSampleId :
WC-14B-11-2



Tgt Ion:152 Resp: 1922
Ion Ratio Lower Upper
152 100
150 148.0 131.6 197.4
115 70.7 50.9 76.3

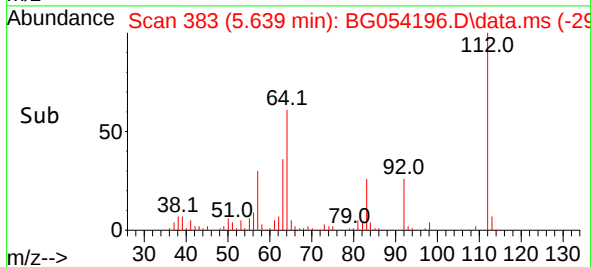
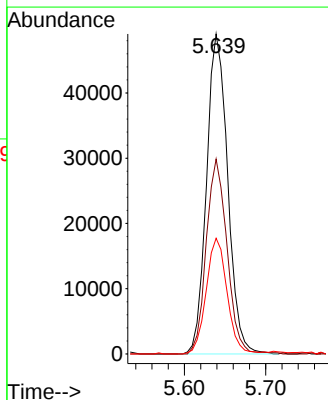
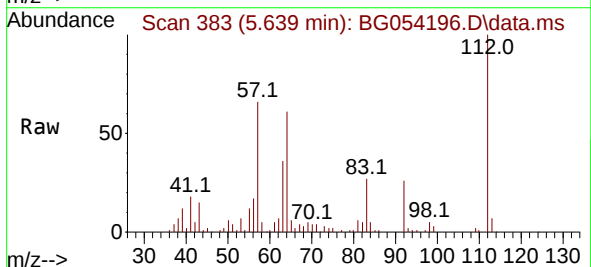
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#5
2-Fluorophenol
Concen: 88.276 ng
RT: 5.639 min Scan# 383
Delta R.T. 0.001 min
Lab File: BG054196.D
Acq: 1 Jul 2022 18:15

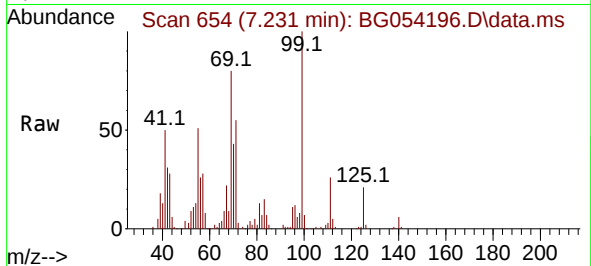
Tgt Ion:112 Resp: 88756
Ion Ratio Lower Upper
112 100
64 60.9 55.1 82.7
63 36.2 30.4 45.6





#7
Phenol-d6
Concen: 84.851 ng
RT: 7.231 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG054196.D
Acq: 1 Jul 2022 18:15

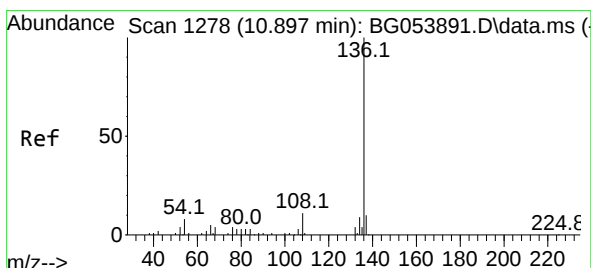
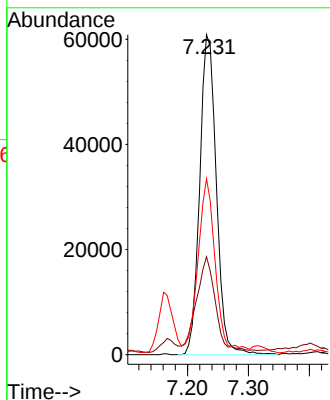
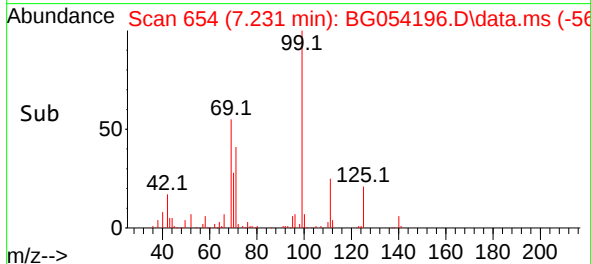
Instrument :
BNA_G
ClientSampleId :
WC-14B-11-2



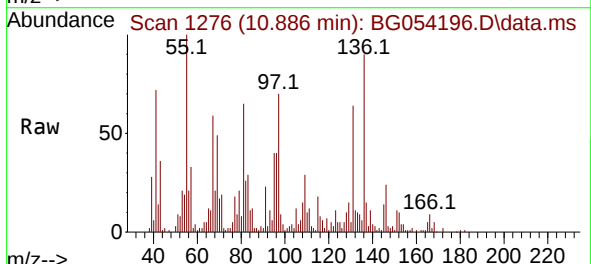
Tgt Ion: 99 Resp: 11573
Ion Ratio Lower Upper
99 100
42 30.6 17.0 25.6
71 55.0 33.8 50.8

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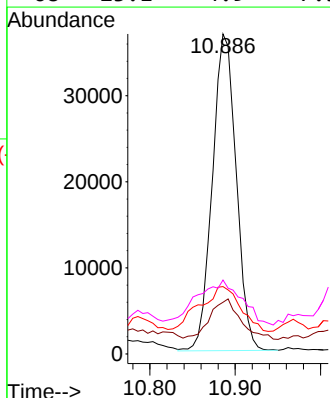
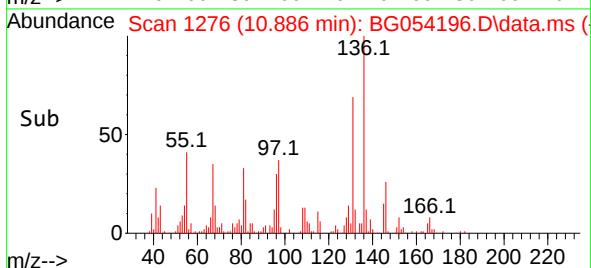
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

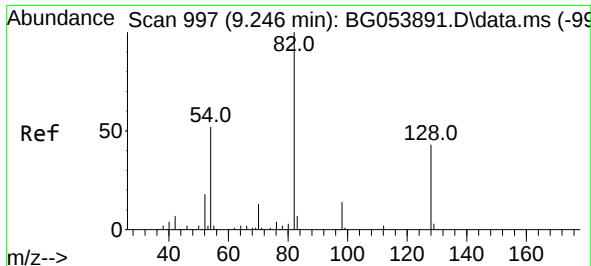


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.886 min Scan# 1276
Delta R.T. 0.007 min
Lab File: BG054196.D
Acq: 1 Jul 2022 18:15



Tgt Ion:136 Resp: 71338
Ion Ratio Lower Upper
136 100
137 16.1 8.5 12.7#
54 21.1 7.4 11.2#
68 23.1 4.9 7.3#





#23
Nitrobenzene-d5
Concen: 75.584 ng
RT: 9.235 min Scan# 997
Delta R.T. 0.001 min
Lab File: BG054196.D
Acq: 1 Jul 2022 18:15

Instrument :

BNA_G

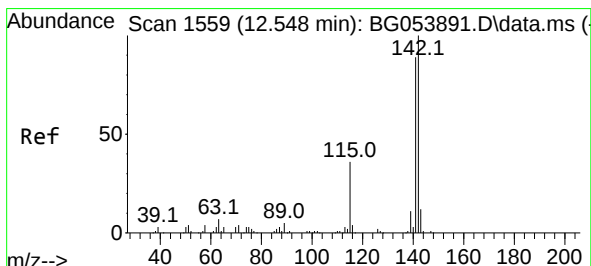
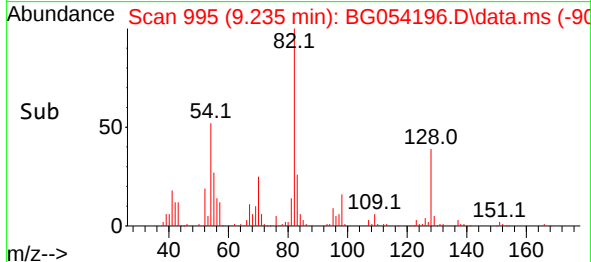
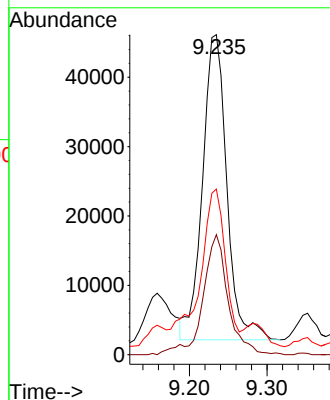
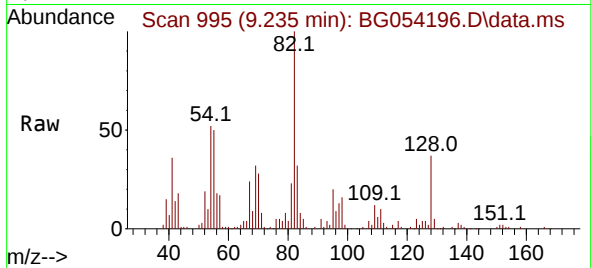
ClientSampleId :

WC-14B-11-2

Tgt Ion: 82 Resp: 95950
Ion Ratio Lower Upper
82 100
128 37.5 27.9 41.9
54 51.7 41.2 61.8

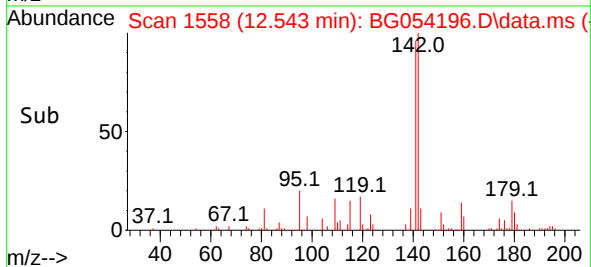
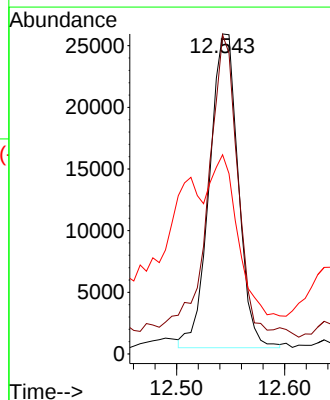
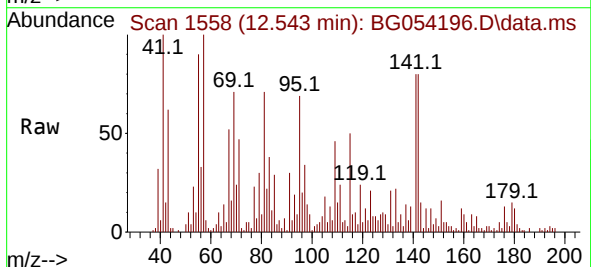
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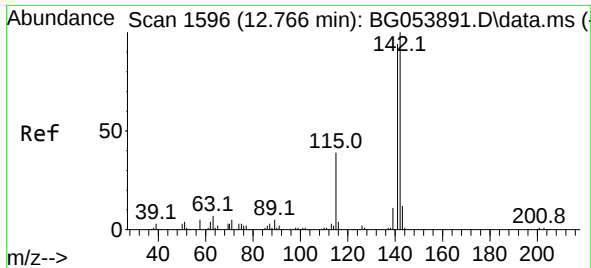
Reviewed By :Christian Giraldo 07/05/2022
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#37
2-Methylnaphthalene
Concen: 17.708 ng m
RT: 12.543 min Scan# 1558
Delta R.T. 0.013 min
Lab File: BG054196.D
Acq: 1 Jul 2022 18:15

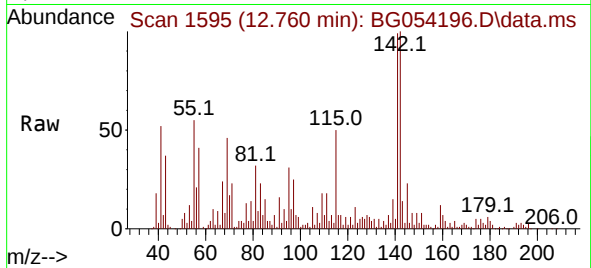
Tgt Ion:142 Resp: 47182
Ion Ratio Lower Upper
142 100
141 99.7 72.3 108.5
115 62.2 33.7 50.5#





#38
1-Methylnaphthalene
Concen: 49.100 ng
RT: 12.760 min Scan# 1596
Delta R.T. 0.013 min
Lab File: BG054196.D
Acq: 1 Jul 2022 18:15

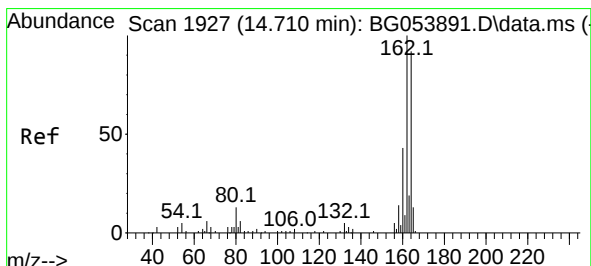
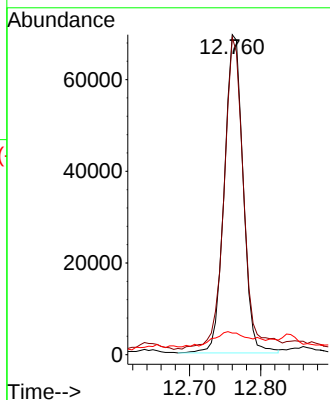
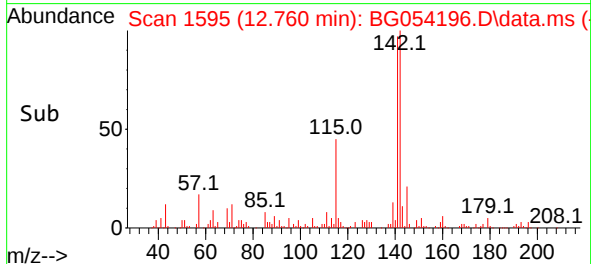
Instrument :
BNA_G
ClientSampleId :
WC-14B-11-2



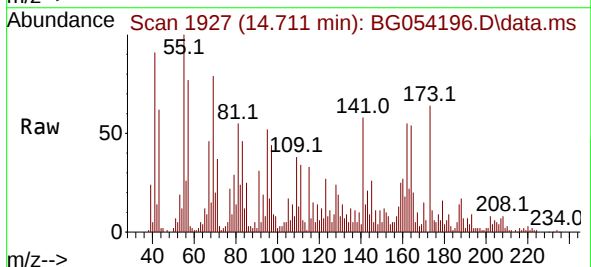
Tgt Ion:142 Resp: 127380
Ion Ratio Lower Upper
142 100
141 99.1 76.4 114.6
116 6.7 3.3 4.9

Manual Integrations
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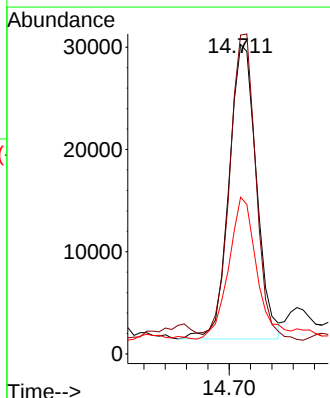
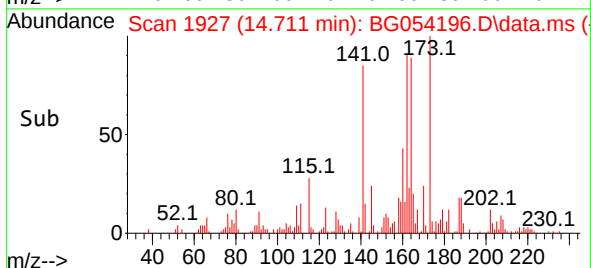
Reviewed By :Christian Giraldo 07/05/2022
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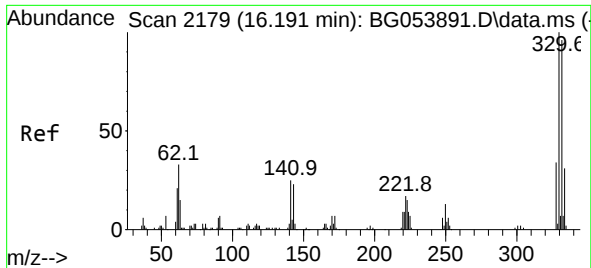


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.711 min Scan# 1927
Delta R.T. 0.013 min
Lab File: BG054196.D
Acq: 1 Jul 2022 18:15



Tgt Ion:164 Resp: 51472
Ion Ratio Lower Upper
164 100
162 103.0 82.3 123.5
160 50.7 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 95.961 ng
RT: 16.203 min Scan# 2179
Delta R.T. 0.019 min
Lab File: BG054196.D
Acq: 1 Jul 2022 18:15

Instrument :

BNA_G

ClientSampleId :

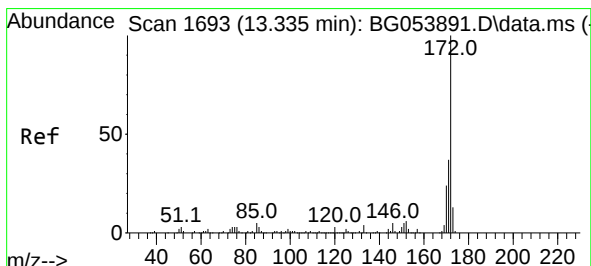
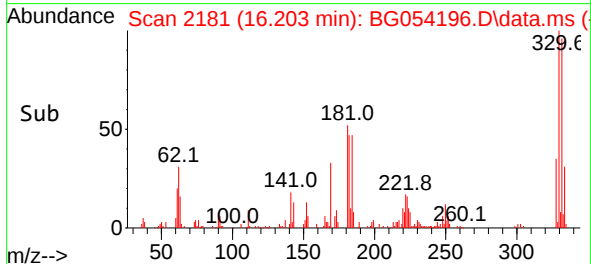
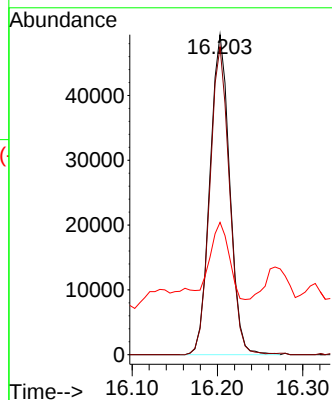
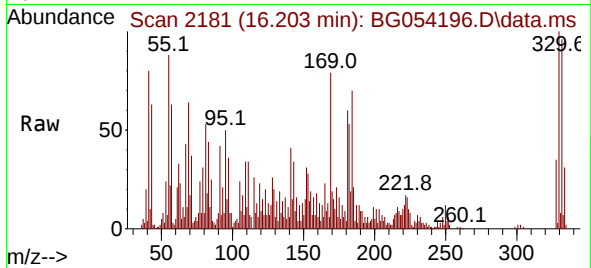
WC-14B-11-2

Tgt Ion:330 Resp: 7935
Ion Ratio Lower Upper
330 100
332 95.5 76.0 114.0
141 23.1 27.1 40.7

Manual Integrations

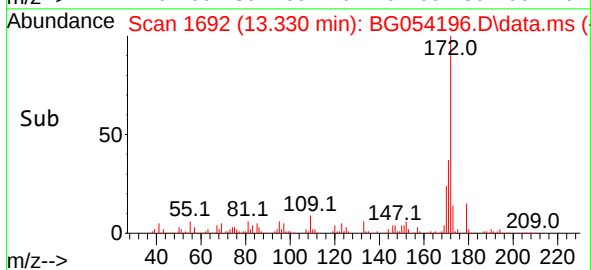
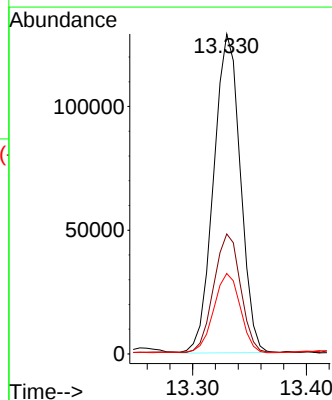
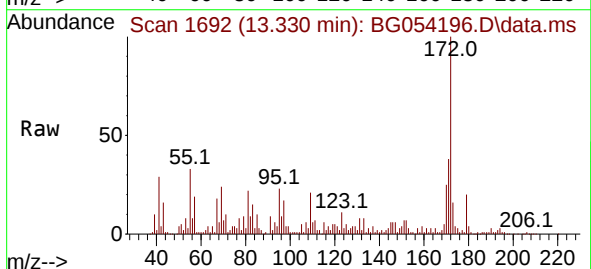
APPROVED

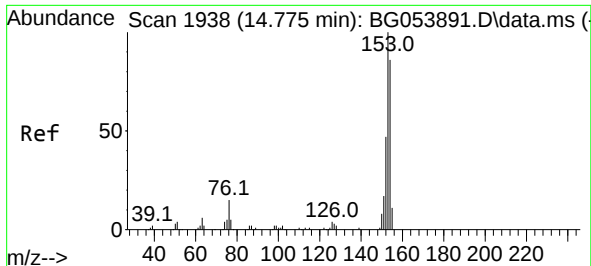
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022



#45
2-Fluorobiphenyl
Concen: 59.565 ng
RT: 13.330 min Scan# 1692
Delta R.T. 0.007 min
Lab File: BG054196.D
Acq: 1 Jul 2022 18:15

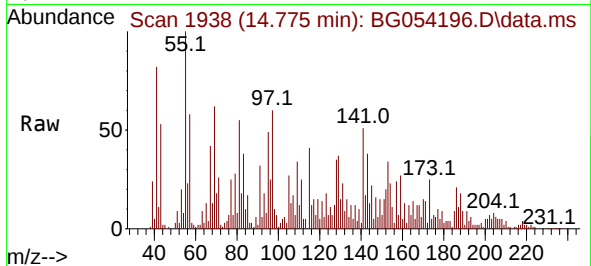
Tgt Ion:172 Resp: 210842
Ion Ratio Lower Upper
172 100
171 37.5 28.5 42.7
170 25.2 18.9 28.3





#52
Acenaphthene
Concen: 7.179 ng
RT: 14.775 min Scan# 1938
Delta R.T. 0.013 min
Lab File: BG054196.D
Acq: 1 Jul 2022 18:15

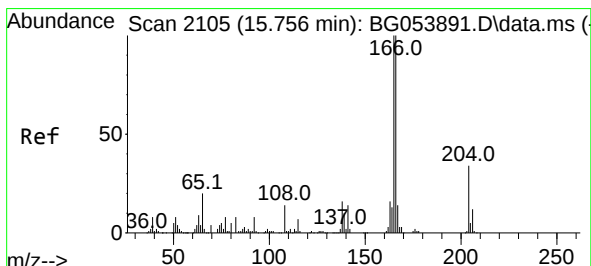
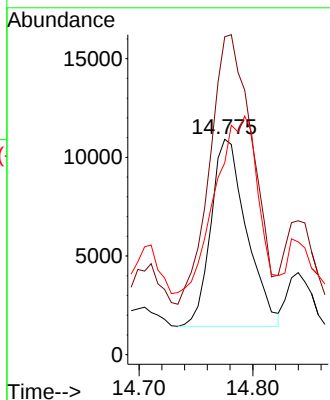
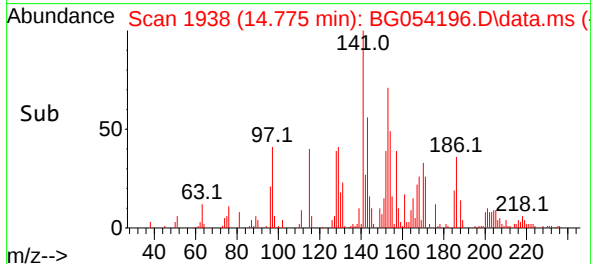
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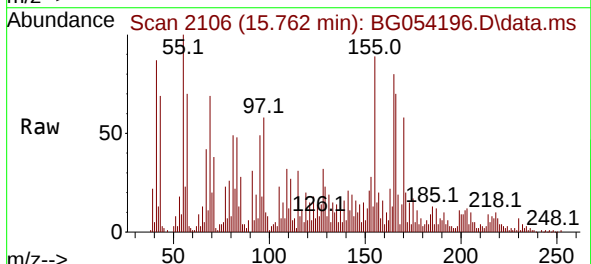
Tgt Ion:154 Resp: 2064
Ion Ratio Lower Upper
154 100
153 147.6 92.7 139.1
152 89.2 42.6 64.0

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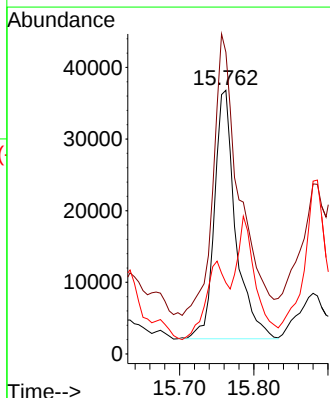
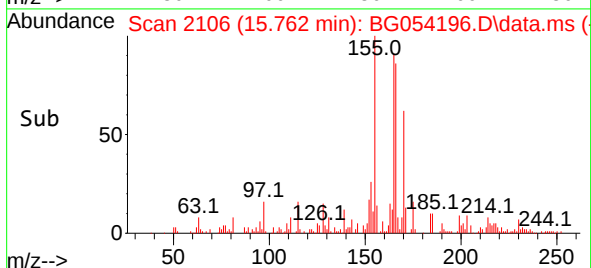
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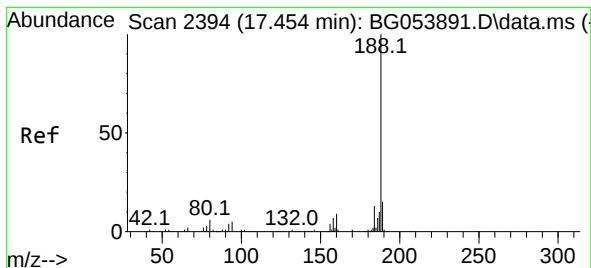


#58
Fluorene
Concen: 18.157 ng
RT: 15.762 min Scan# 2106
Delta R.T. 0.019 min
Lab File: BG054196.D
Acq: 1 Jul 2022 18:15



Tgt Ion:166 Resp: 69079
Ion Ratio Lower Upper
166 100
165 114.5 75.0 112.6#
167 27.0 10.8 16.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.460 min Scan# 21

Delta R.T. 0.019 min

Lab File: BG054196.D

Acq: 1 Jul 2022 18:15

Instrument :

BNA_G

ClientSampleId :

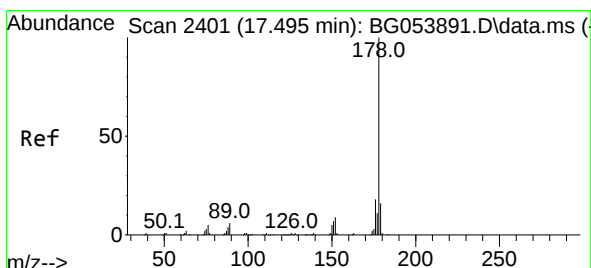
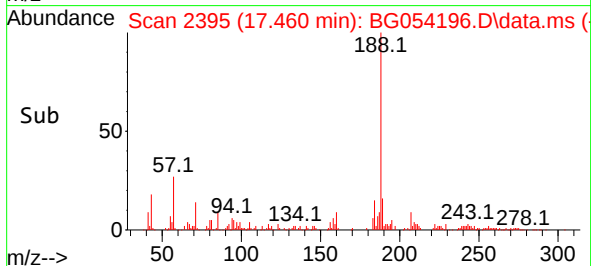
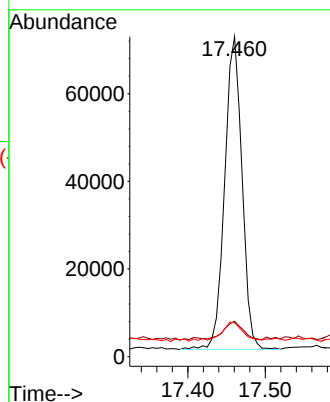
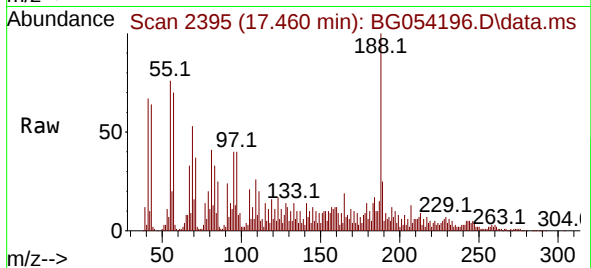
WC-14B-11-2

Tgt Ion:188 Resp: 110929
 Ion Ratio Lower Upper
 188 100
 94 11.1 5.4 8.0
 80 10.6 6.8 10.2

Manual Integrations

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#71

Phenanthrene

Concen: 32.427 ng

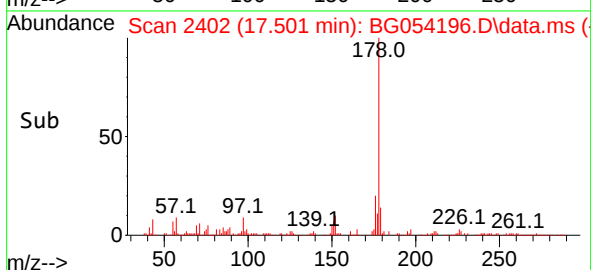
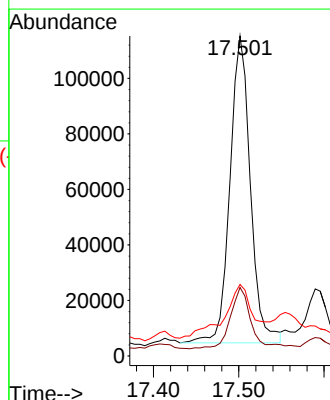
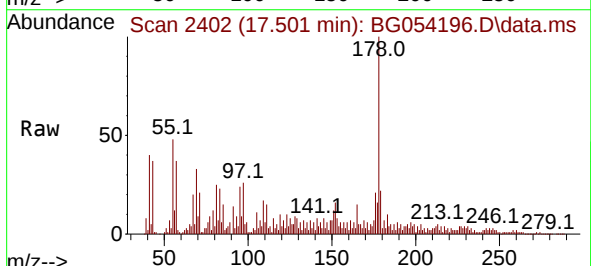
RT: 17.501 min Scan# 2402

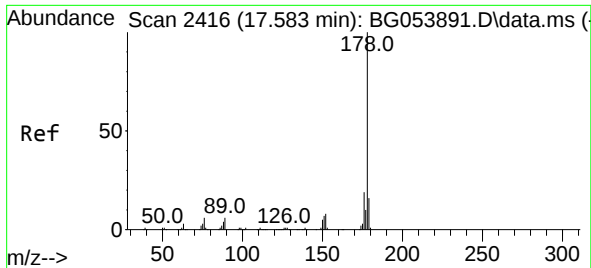
Delta R.T. 0.019 min

Lab File: BG054196.D

Acq: 1 Jul 2022 18:15

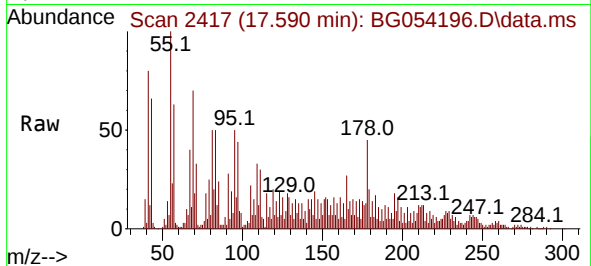
Tgt Ion:178 Resp: 184811
 Ion Ratio Lower Upper
 178 100
 176 21.4 14.1 21.1#
 179 22.3 12.1 18.1#





#72
 Anthracene
 Concen: 4.534 ng
 RT: 17.590 min Scan# 2416
 Delta R.T. 0.013 min
 Lab File: BG054196.D
 Acq: 1 Jul 2022 18:15

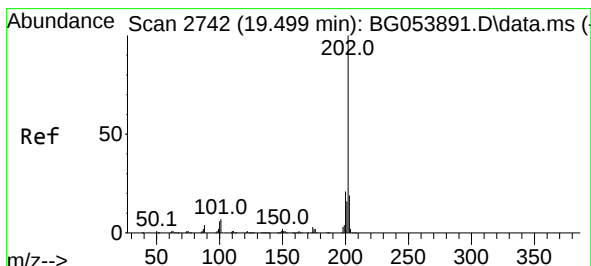
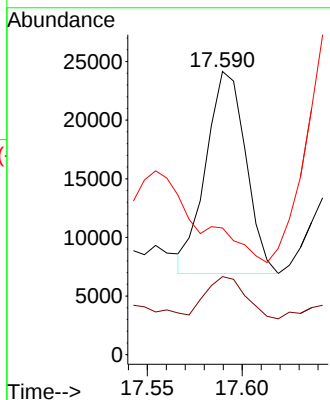
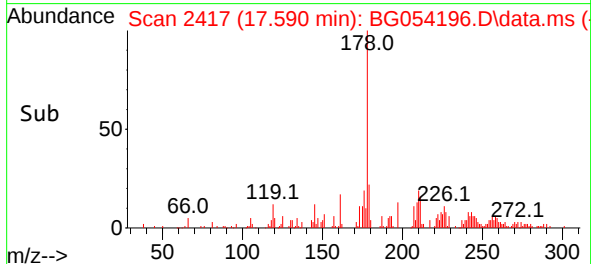
Instrument :
 BNA_G
 ClientSampleId :
 WC-14B-11-2



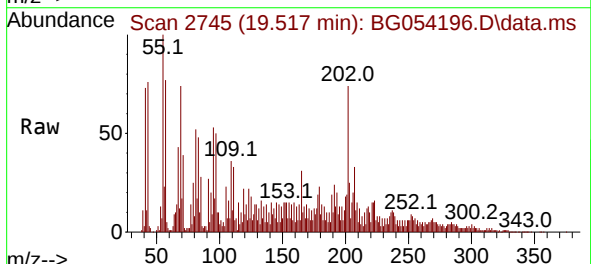
Tgt Ion:178 Resp: 2523
 Ion Ratio Lower Upper
 178 100
 176 27.6 15.2 22.8
 179 44.7 13.0 19.4

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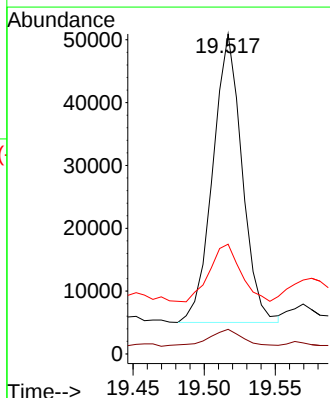
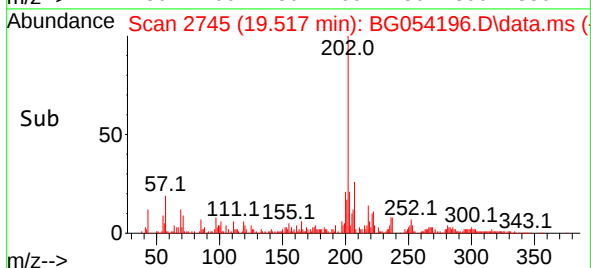
Reviewed By :Christian Giraldo 07/05/2022
 Supervised By :Jagrut Upadhyay 07/05/2022

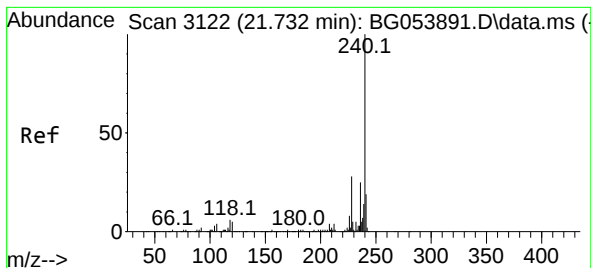


#75
 Fluoranthene
 Concen: 8.784 ng
 RT: 19.517 min Scan# 2745
 Delta R.T. 0.024 min
 Lab File: BG054196.D
 Acq: 1 Jul 2022 18:15



Tgt Ion:202 Resp: 65719
 Ion Ratio Lower Upper
 202 100
 101 7.7 0.0 26.9
 203 34.3 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.749 min Scan# 3122

Delta R.T. 0.030 min

Lab File: BG054196.D

Acq: 1 Jul 2022 18:15

Instrument :

BNA_G

ClientSampleId :

WC-14B-11-2

Tgt Ion:240 Resp: 128874

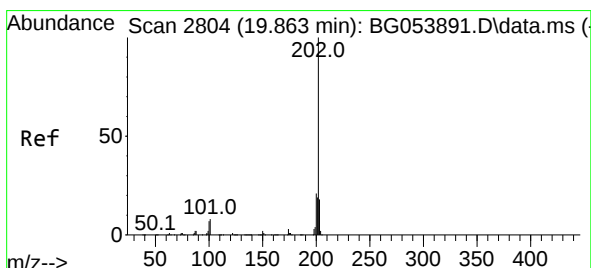
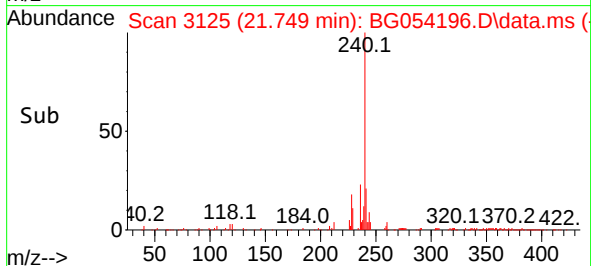
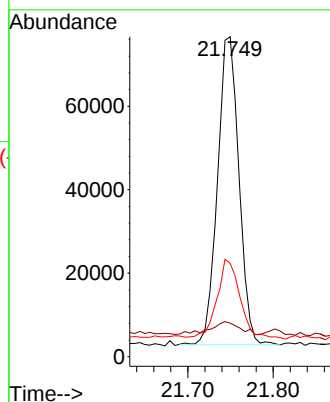
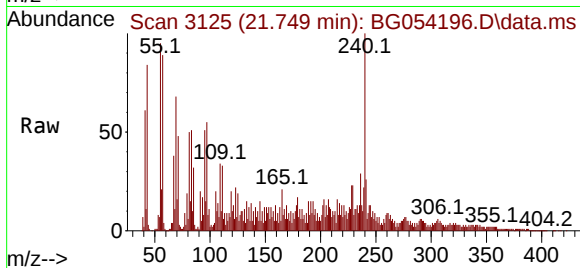
Ion	Ratio	Lower	Upper
240	100		
120	10.5	4.6	7.0
236	29.2	20.2	30.4

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Supervised By :Jagrut Upadhyay 07/05/2022



#78

Pyrene

Concen: 14.467 ng

RT: 19.875 min Scan# 2806

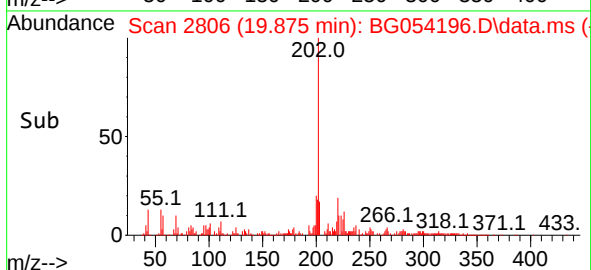
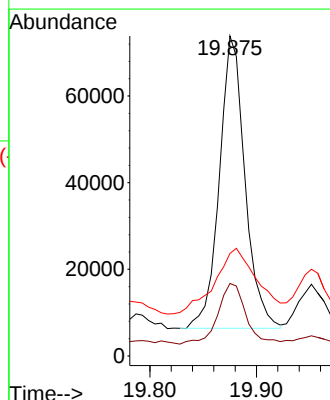
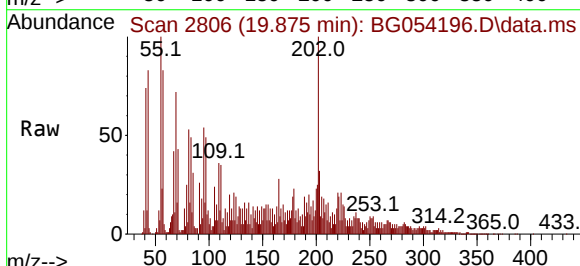
Delta R.T. 0.024 min

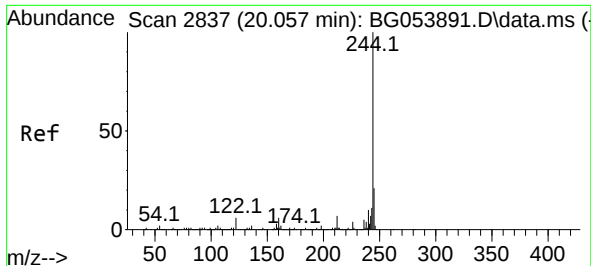
Lab File: BG054196.D

Acq: 1 Jul 2022 18:15

Tgt Ion:202 Resp: 112604

Ion	Ratio	Lower	Upper
202	100		
200	22.7	16.6	24.8
203	32.1	14.6	21.8





#79
 Terphenyl-d14
 Concen: 61.964 ng
 RT: 20.063 min Scan# 21
 Delta R.T. 0.019 min
 Lab File: BG054196.D
 Acq: 1 Jul 2022 18:15

Instrument :

BNA_G

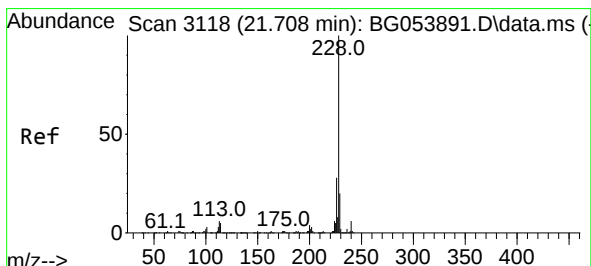
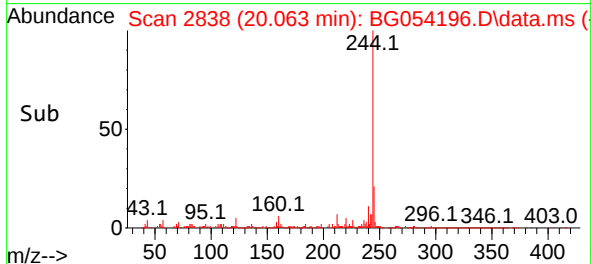
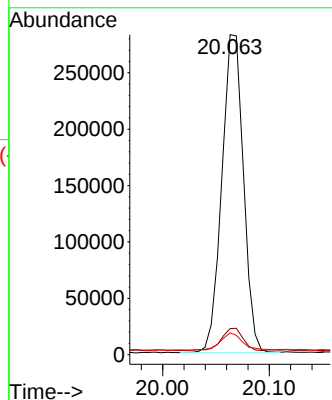
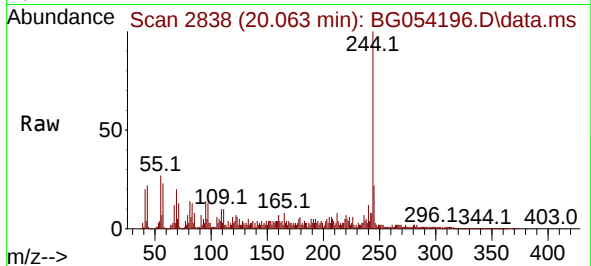
ClientSampleId :

WC-14B-11-2

Tgt Ion:244 Resp: 39648
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.5 9.7
 122 6.8 5.0 7.4

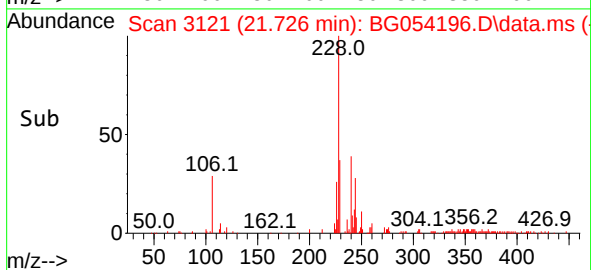
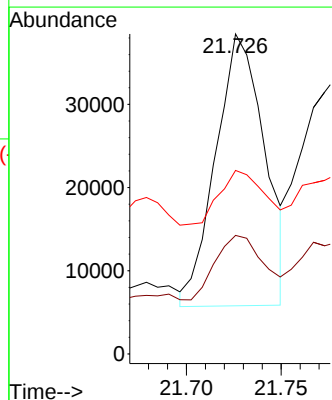
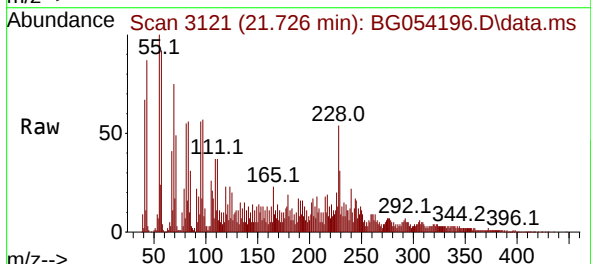
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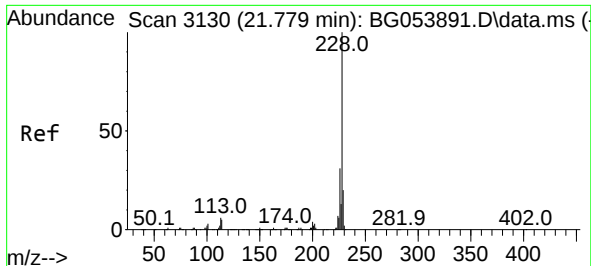
Reviewed By :Christian Giraldo 07/05/2022
 Supervised By :Jagrut Upadhyay 07/05/2022



#81
 Benzo(a)anthracene
 Concen: 7.048 ng
 RT: 21.726 min Scan# 3121
 Delta R.T. 0.030 min
 Lab File: BG054196.D
 Acq: 1 Jul 2022 18:15

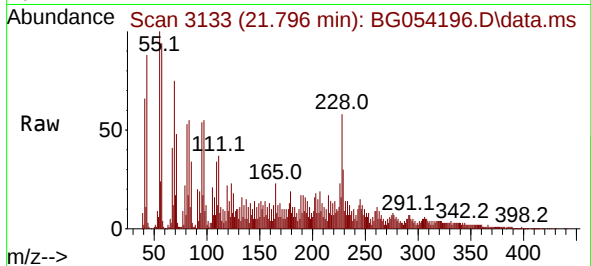
Tgt Ion:228 Resp: 58811
 Ion Ratio Lower Upper
 228 100
 226 37.1 21.6 32.4#
 229 57.4 16.2 24.2#





#83
Chrysene
Concen: 12.550 ng
RT: 21.796 min Scan# 3130
Delta R.T. 0.036 min
Lab File: BG054196.D
Acq: 1 Jul 2022 18:15

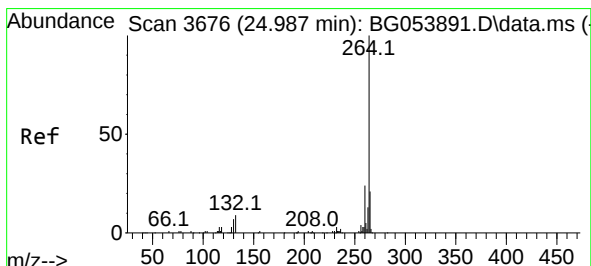
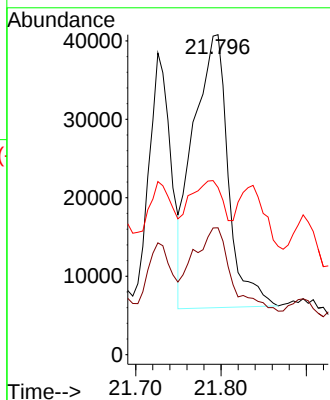
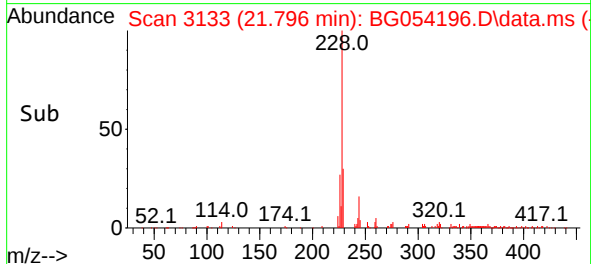
Instrument :
BNA_G
ClientSampleId :
WC-14B-11-2



Tgt Ion:228 Resp: 99824
Ion Ratio Lower Upper
228 100
226 39.7 23.4 35.2
229 52.2 15.5 23.3

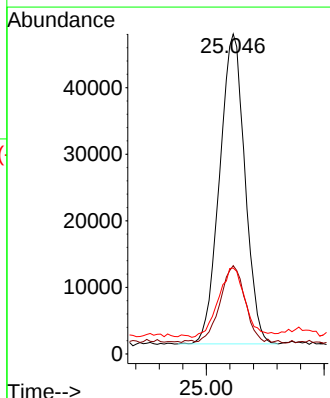
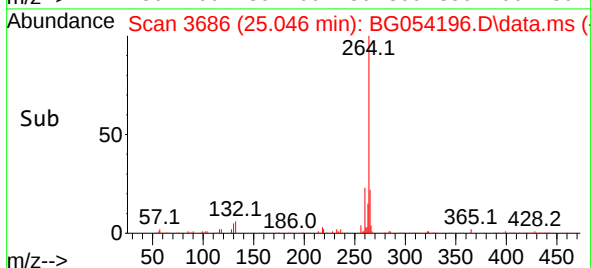
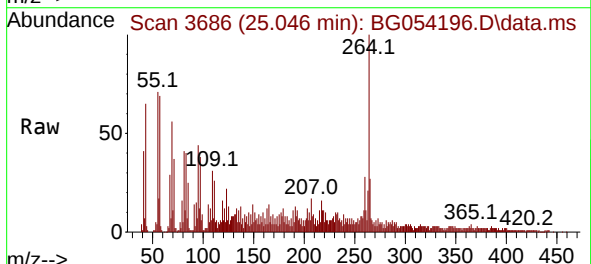
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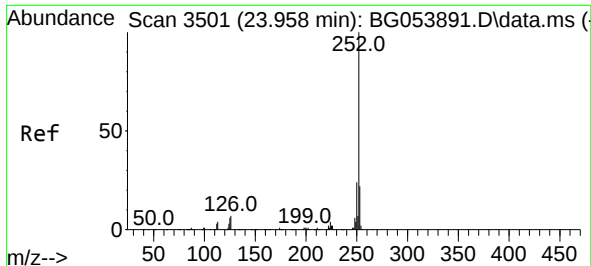
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.046 min Scan# 3686
Delta R.T. 0.083 min
Lab File: BG054196.D
Acq: 1 Jul 2022 18:15

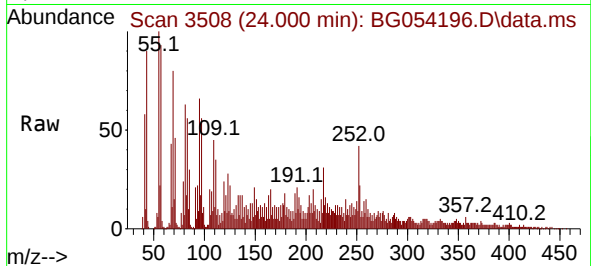
Tgt Ion:264 Resp: 138681
Ion Ratio Lower Upper
264 100
260 27.6 19.0 28.6
265 26.9 17.4 26.2





#88
Benzo(b)fluoranthene
Concen: 6.247 ng m
RT: 24.000 min Scan# 3501
Delta R.T. 0.066 min
Lab File: BG054196.D
Acq: 1 Jul 2022 18:15

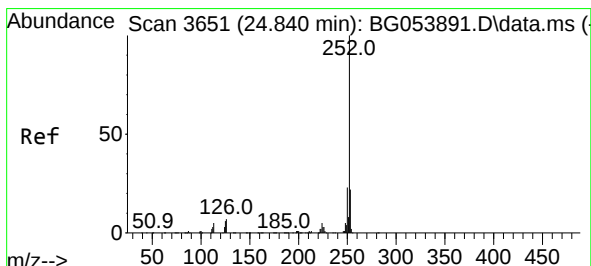
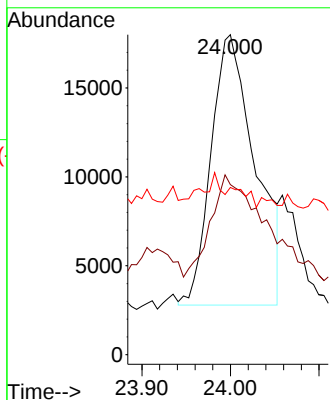
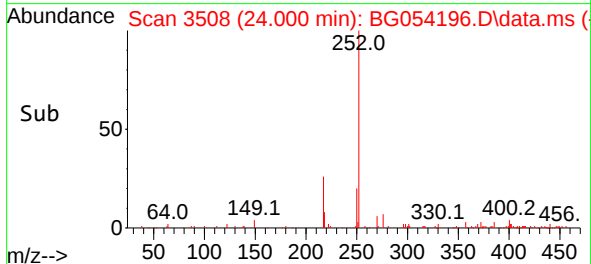
Instrument :
BNA_G
ClientSampleId :
WC-14B-11-2



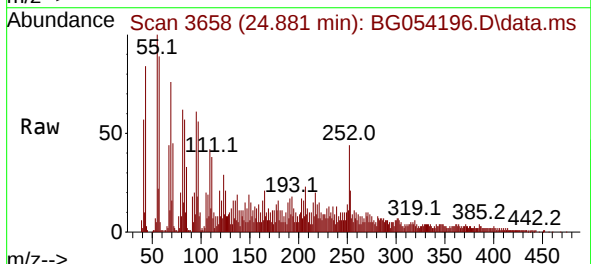
Tgt Ion:252 Resp: 52670
Ion Ratio Lower Upper
252 100
253 53.2 18.0 27.0#
125 52.2 4.6 6.8#

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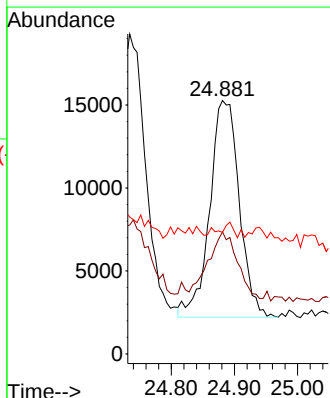
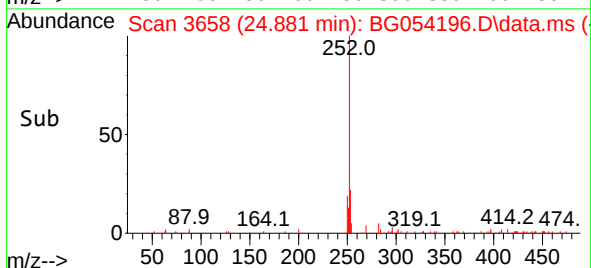
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

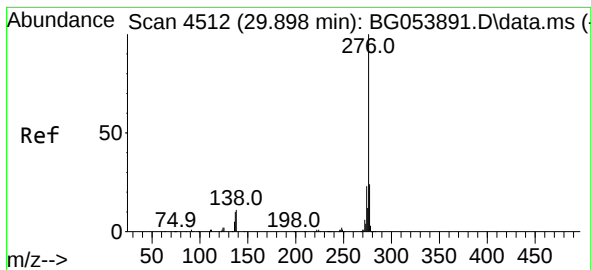


#90
Benzo(a)pyrene
Concen: 5.954 ng
RT: 24.881 min Scan# 3658
Delta R.T. 0.066 min
Lab File: BG054196.D
Acq: 1 Jul 2022 18:15



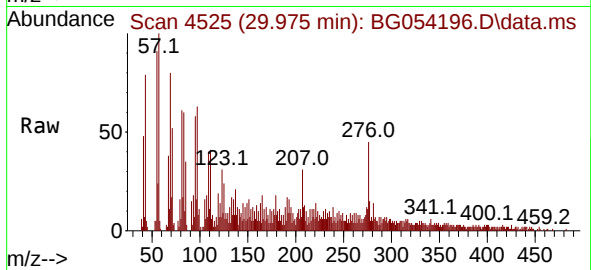
Tgt Ion:252 Resp: 42357
Ion Ratio Lower Upper
252 100
253 48.2 17.8 26.8#
125 48.0 4.3 6.5#





#92
Benzo(g,h,i)perylene
Concen: 3.776 ng
RT: 29.975 min Scan# 4525
Delta R.T. 0.113 min
Lab File: BG054196.D
Acq: 1 Jul 2022 18:15

Instrument :
BNA_G
ClientSampleId :
WC-14B-11-2



Tgt Ion:276 Resp: 3225
Ion Ratio Lower Upper
276 100
277 33.6 17.3 25.9
138 17.4 9.6 14.4

Manual Integrations
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