

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062622\
 Data File : BG054084.D
 Acq On : 26 Jun 2022 22:29
 Operator : CG/JU
 Sample : N3454-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/28/2022
 Supervised By : Jagrut Upadhyay 06/28/2022

Quant Time: Jun 27 00:33:22 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	8.077	152	32391	20.000	ng	0.00
21) Naphthalene-d8	10.886	136	123800	20.000	ng	# 0.00
39) Acenaphthene-d10	14.699	164	81168	20.000	ng	0.00
64) Phenanthrene-d10	17.448	188	160355	20.000	ng	# 0.00
76) Chrysene-d12	21.749	240	161669	20.000	ng	# 0.03
86) Perylene-d12	25.063	264	169669	20.000	ng	# 0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.639	112	67608	39.906	ng	0.00
7) Phenol-d6	7.231	99	84792	36.894	ng	0.00
23) Nitrobenzene-d5	9.229	82	67965	30.851	ng	0.00
42) 2,4,6-Tribromophenol	16.191	330	37606	28.837	ng	0.00
45) 2-Fluorobiphenyl	13.324	172	142884	25.598	ng	0.00
79) Terphenyl-d14	20.069	244	211462	26.344	ng	0.02
Target Compounds						Qvalue
31) Naphthalene	10.933	128	44054	7.049	ng	# 86
37) 2-Methylnaphthalene	12.537	142	132225	28.596	ng	99
38) 1-Methylnaphthalene	12.754	142	165352	36.726	ng	99
52) Acenaphthene	14.763	154	12489	2.754	ng	# 83
58) Fluorene	15.750	166	49529	8.255	ng	# 82
71) Phenanthrene	17.490	178	142958	17.352	ng	# 85
75) Fluoranthene	19.517	202	30422	2.813	ng	# 9
78) Pyrene	19.875	202	87908	9.003	ng	# 66
81) Benzo(a)anthracene	21.732	228	46156	4.409	ng	# 32
83) Chrysene	21.796	228	133070	13.336	ng	# 58
88) Benzo(b)fluoranthene	24.011	252	28072m	2.721	ng	
90) Benzo(a)pyrene	24.899	252	26165	3.006	ng	# 1

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

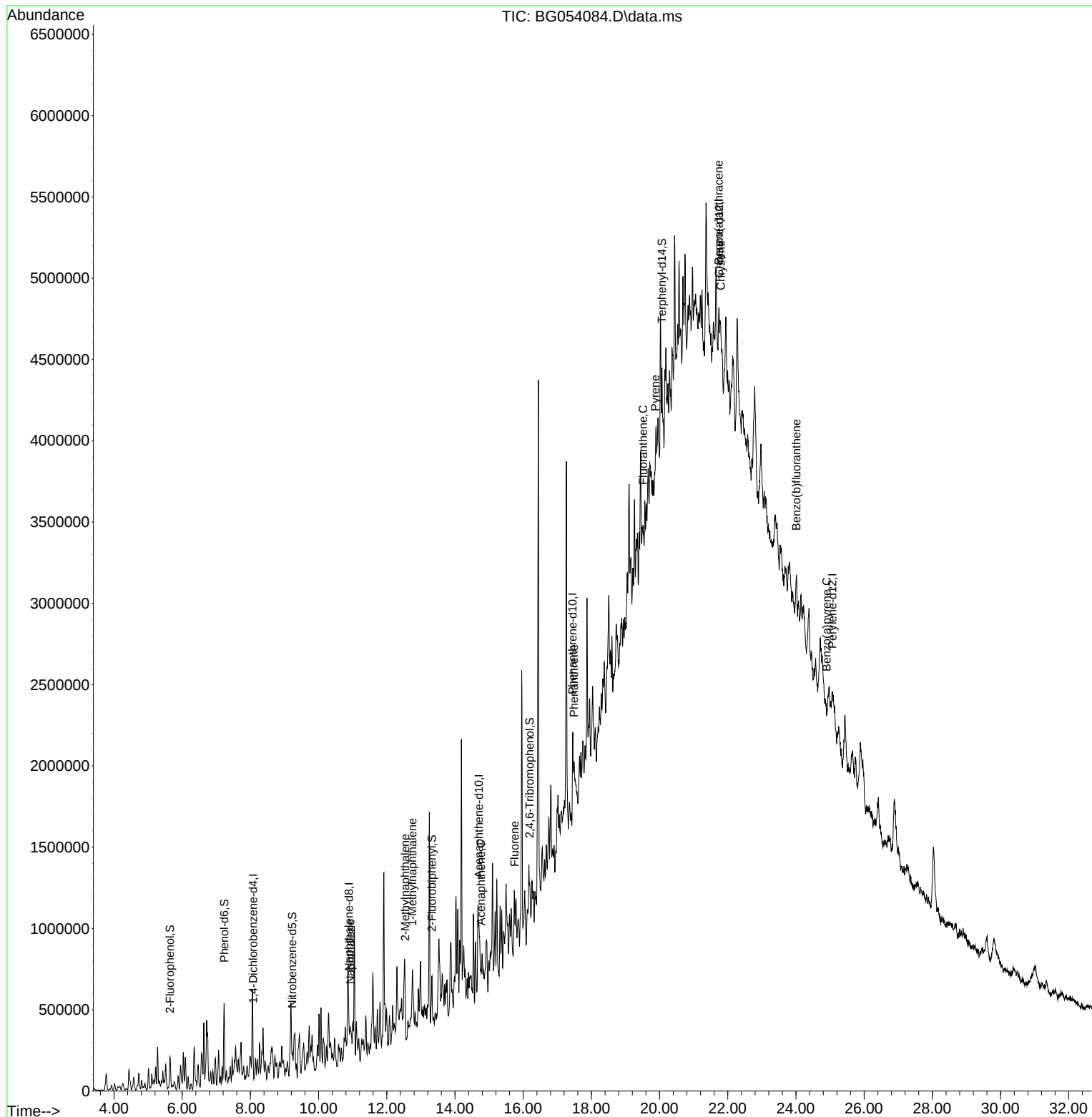
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062622\
Data File : BG054084.D
Acq On : 26 Jun 2022 22:29
Operator : CG/JU
Sample : N3454-08
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ALS Vial : 14 Sample Multiplier: 1

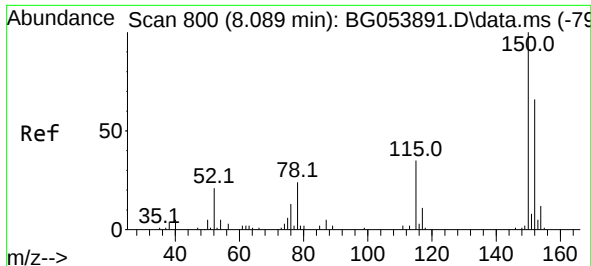
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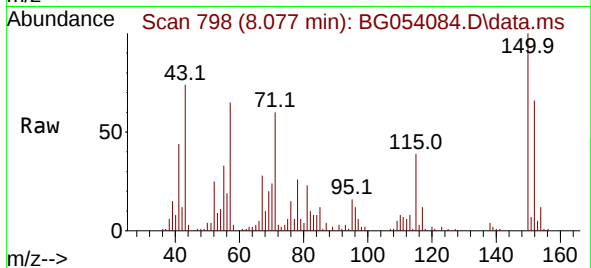
Quant Time: Jun 27 00:33:22 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 27 00:27:54 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.077 min Scan# 798
Delta R.T. 0.007 min
Lab File: BG054084.D
Acq: 26 Jun 2022 22:29

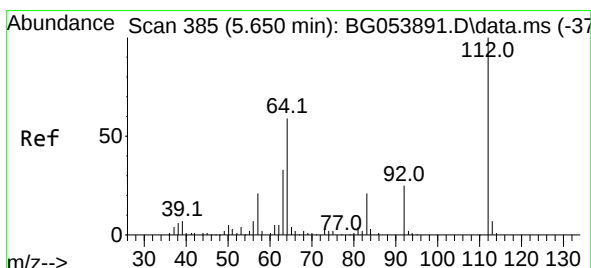
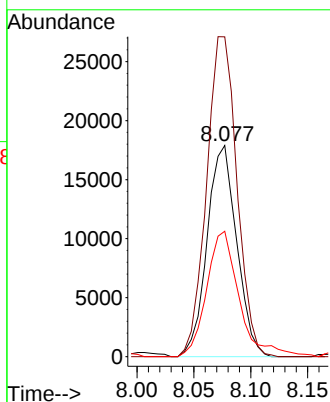
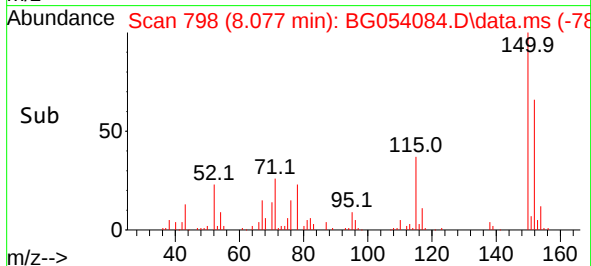
Instrument :
BNA_G
ClientSampleId :
WC-14A-1A-1



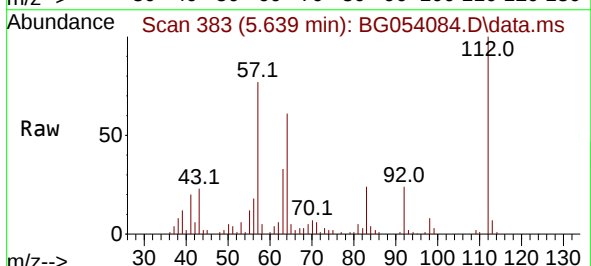
Tgt Ion:152 Resp: 3239
Ion Ratio Lower Upper
152 100
150 151.5 131.6 197.4
115 59.4 50.9 76.3

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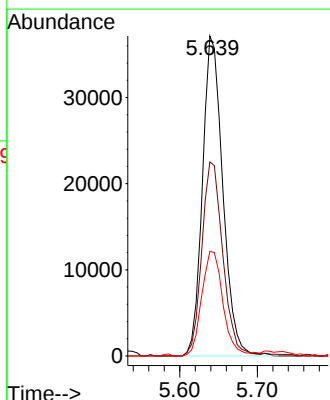
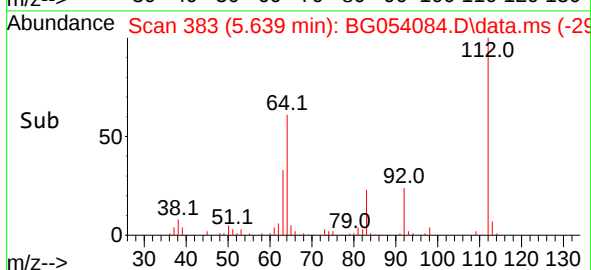
Reviewed By :Christian Giraldo 06/28/2022
Supervised By :Jagrut Upadhyay 06/28/2022

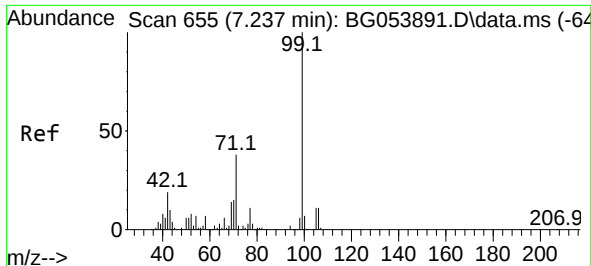


#5
2-Fluorophenol
Concen: 39.906 ng
RT: 5.639 min Scan# 383
Delta R.T. 0.001 min
Lab File: BG054084.D
Acq: 26 Jun 2022 22:29



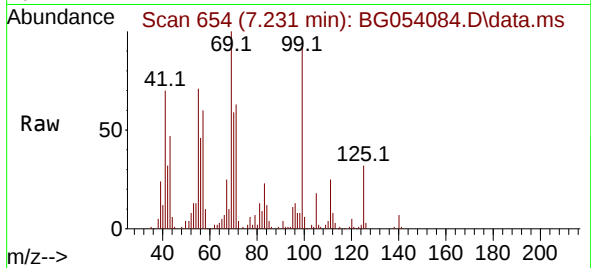
Tgt Ion:112 Resp: 67608
Ion Ratio Lower Upper
112 100
64 60.7 55.1 82.7
63 32.7 30.4 45.6





#7
Phenol-d6
Concen: 36.894 ng
RT: 7.231 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG054084.D
Acq: 26 Jun 2022 22:29

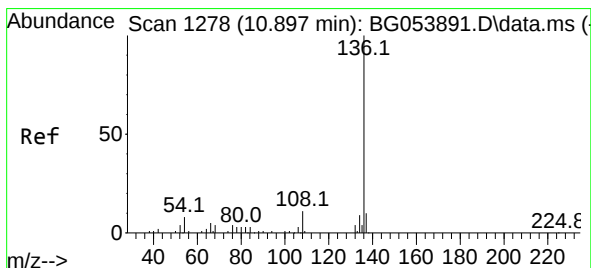
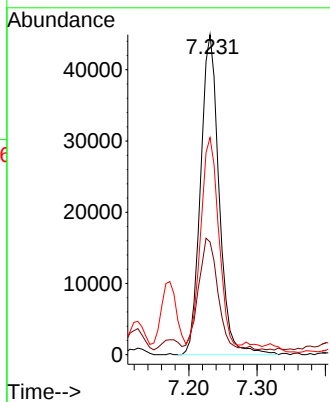
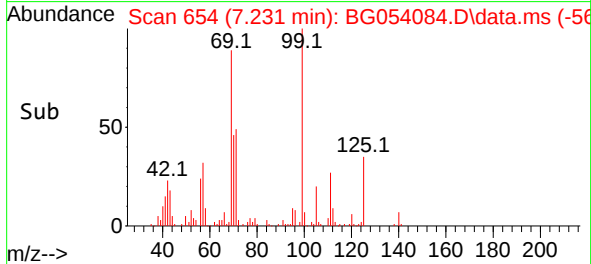
Instrument :
BNA_G
ClientSampleId :
WC-14A-1A-1



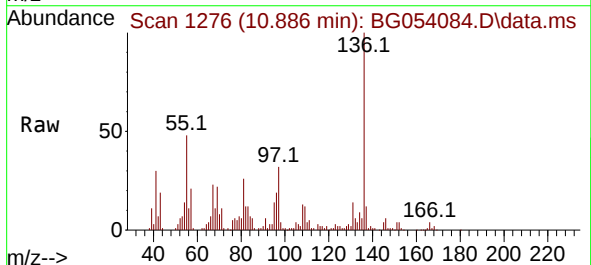
Tgt Ion: 99 Resp: 84792
Ion Ratio Lower Upper
99 100
42 35.2 17.0 25.6
71 67.8 33.8 50.8

Manual Integrations
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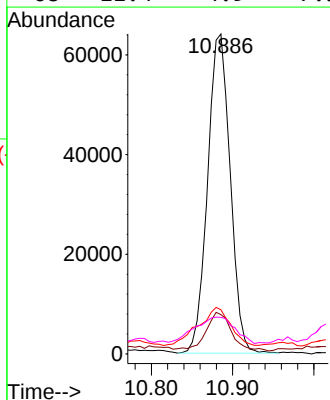
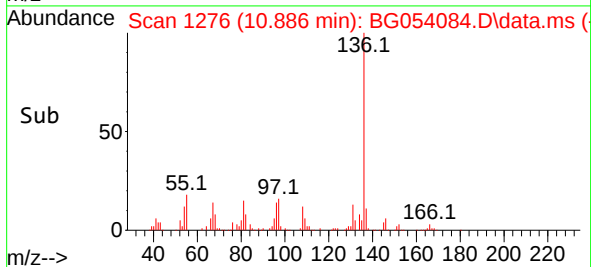
Reviewed By :Christian Giraldo 06/28/2022
Supervised By :Jagrut Upadhyay 06/28/2022

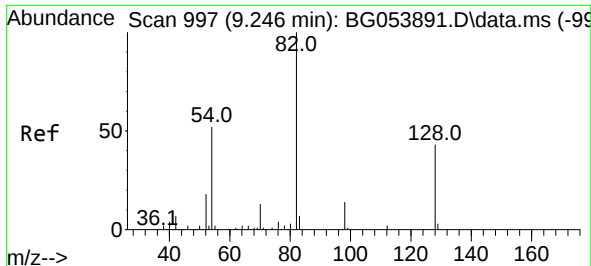


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.886 min Scan# 1276
Delta R.T. 0.007 min
Lab File: BG054084.D
Acq: 26 Jun 2022 22:29



Tgt Ion:136 Resp: 123800
Ion Ratio Lower Upper
136 100
137 12.3 8.5 12.7
54 13.8 7.4 11.2#
68 11.4 4.9 7.3#





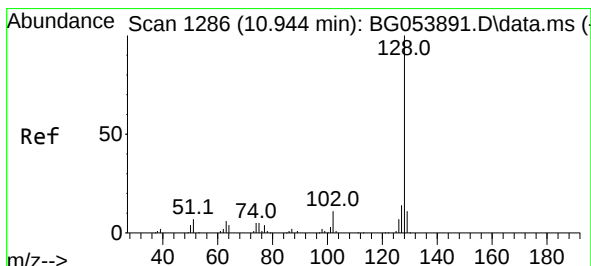
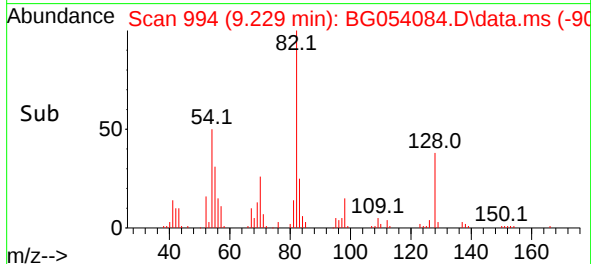
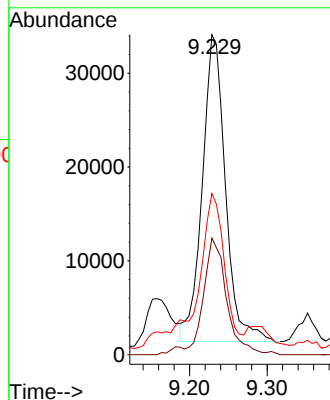
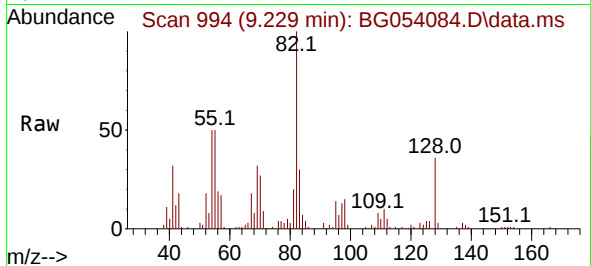
#23
Nitrobenzene-d5
Concen: 30.851 ng
RT: 9.229 min Scan# 994
Delta R.T. -0.005 min
Lab File: BG054084.D
Acq: 26 Jun 2022 22:29

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

Tgt Ion: 82 Resp: 6796
Ion Ratio Lower Upper
82 100
128 36.4 27.9 41.9
54 50.4 41.2 61.8

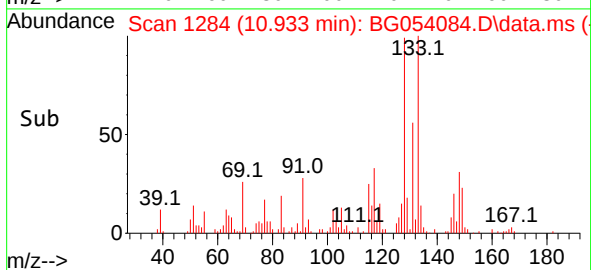
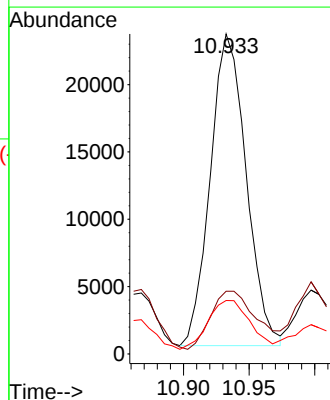
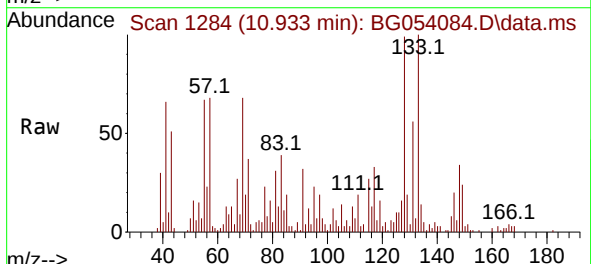
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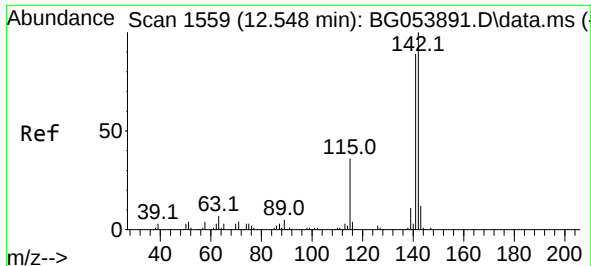
Reviewed By :Christian Giraldo 06/28/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#31
Naphthalene
Concen: 7.049 ng
RT: 10.933 min Scan# 1284
Delta R.T. 0.001 min
Lab File: BG054084.D
Acq: 26 Jun 2022 22:29

Tgt Ion:128 Resp: 44054
Ion Ratio Lower Upper
128 100
129 19.6 9.0 13.6#
127 16.7 11.1 16.7#





#37

2-Methylnaphthalene

Concen: 28.596 ng

RT: 12.537 min Scan# 1

Delta R.T. 0.007 min

Lab File: BG054084.D

Acq: 26 Jun 2022 22:29

Instrument :

BNA_G

ClientSampleId :

WC-14A-1A-1

Tgt Ion:142 Resp: 13222

Ion Ratio Lower Upper

142 100

141 91.0 72.3 108.5

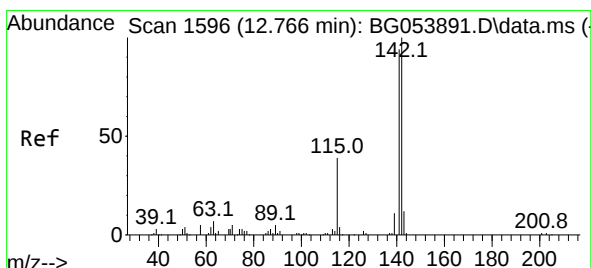
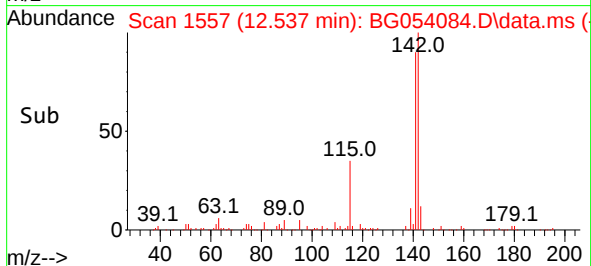
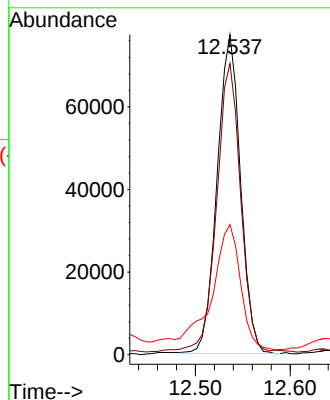
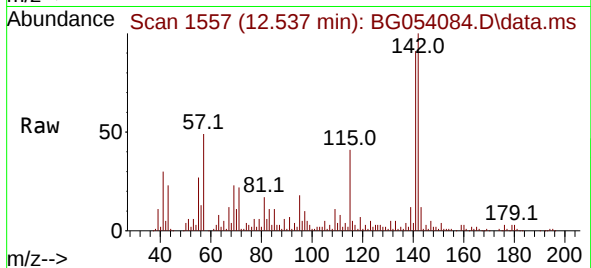
115 40.6 33.7 50.5

Manual Integrations

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Supervised By :Jagrut Upadhyay 06/28/2022



#38

1-Methylnaphthalene

Concen: 36.726 ng

RT: 12.754 min Scan# 1594

Delta R.T. 0.007 min

Lab File: BG054084.D

Acq: 26 Jun 2022 22:29

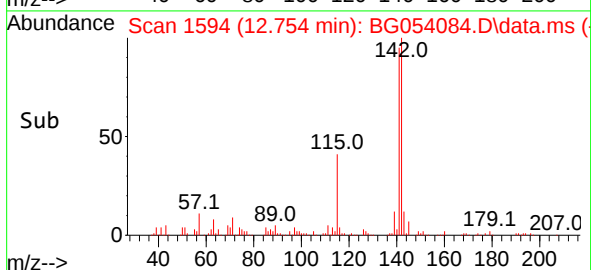
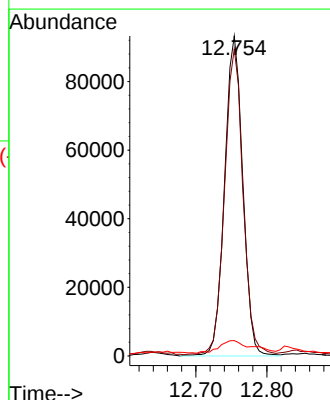
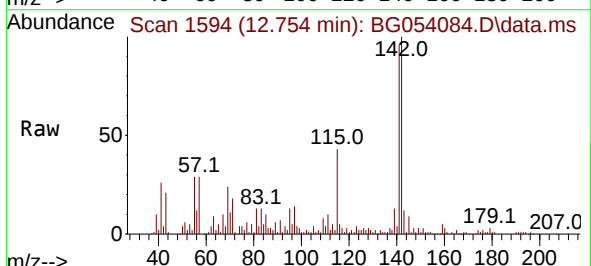
Tgt Ion:142 Resp: 165352

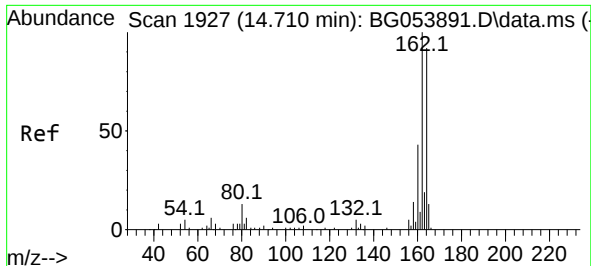
Ion Ratio Lower Upper

142 100

141 95.9 76.4 114.6

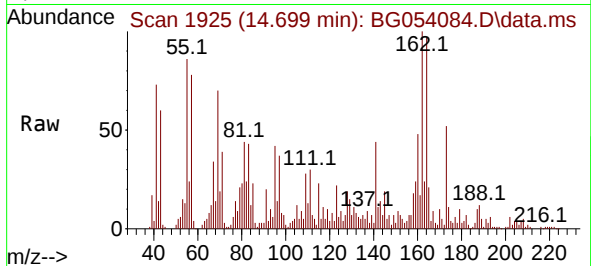
116 4.8 3.3 4.9





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.699 min Scan# 1925
Delta R.T. 0.001 min
Lab File: BG054084.D
Acq: 26 Jun 2022 22:29

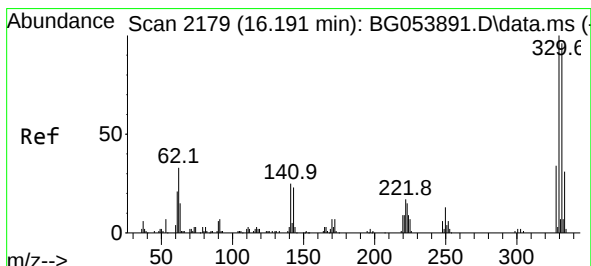
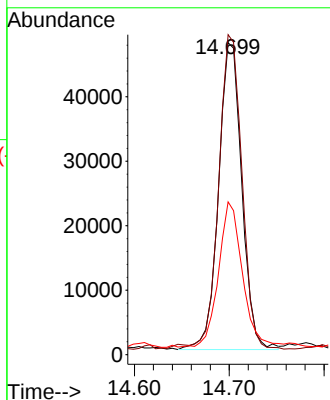
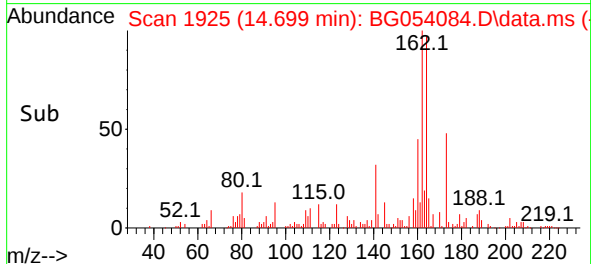
Instrument :
BNA_G
ClientSampleId :
WC-14A-1A-1



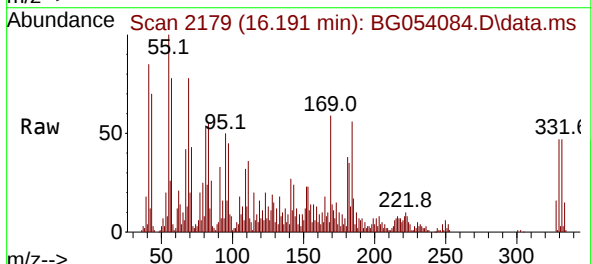
Tgt Ion:164 Resp: 8116
Ion Ratio Lower Upper
164 100
162 102.6 82.3 123.5
160 49.0 34.2 51.2

Manual Integrations
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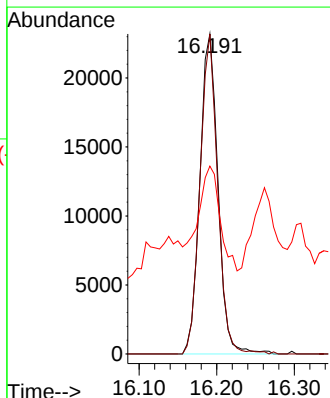
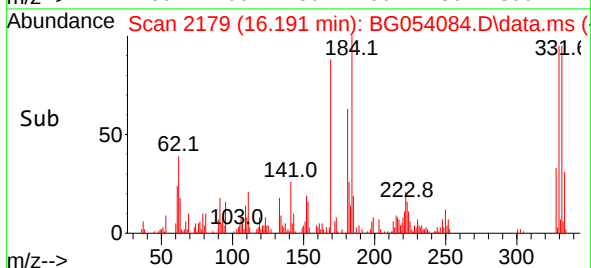
Reviewed By :Christian Giraldo 06/28/2022
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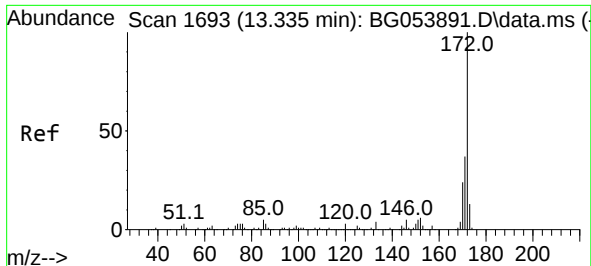


#42
2,4,6-Tribromophenol
Concen: 28.837 ng
RT: 16.191 min Scan# 2179
Delta R.T. 0.007 min
Lab File: BG054084.D
Acq: 26 Jun 2022 22:29



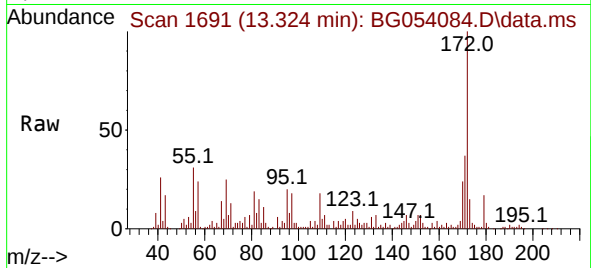
Tgt Ion:330 Resp: 37606
Ion Ratio Lower Upper
330 100
332 97.3 76.0 114.0
141 39.6 27.1 40.7





#45
2-Fluorobiphenyl
Concen: 25.598 ng
RT: 13.324 min Scan# 1691
Delta R.T. 0.001 min
Lab File: BG054084.D
Acq: 26 Jun 2022 22:29

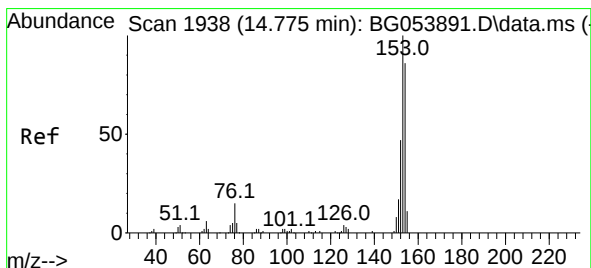
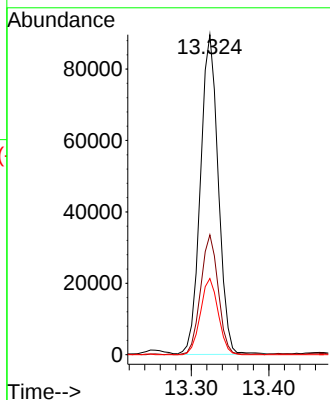
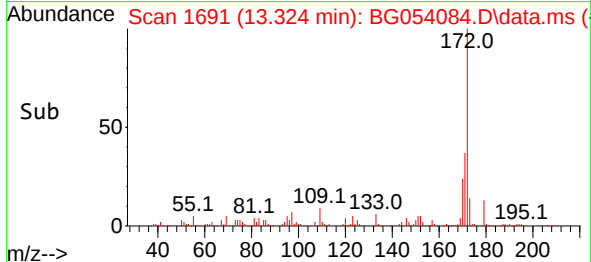
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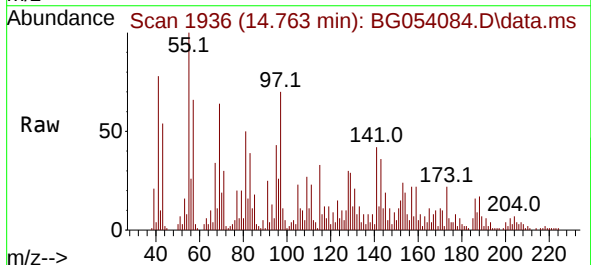
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Ion Ratio Lower Upper
172 100
171 37.4 28.5 42.7
170 23.8 18.9 28.3

Manual Integrations
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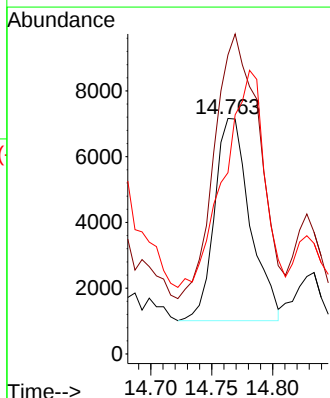
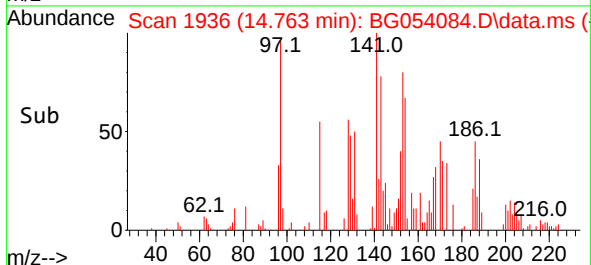
Reviewed By :Christian Giraldo 06/28/2022
Supervised By :Jagrut Upadhyay 06/28/2022

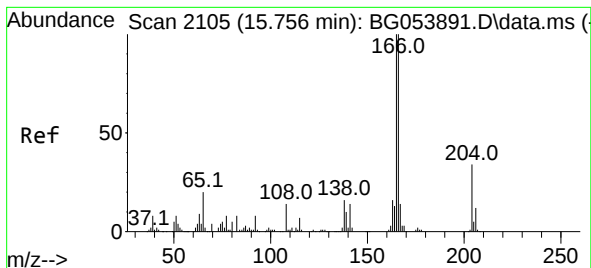


#52
Acenaphthene
Concen: 2.754 ng
RT: 14.763 min Scan# 1936
Delta R.T. 0.001 min
Lab File: BG054084.D
Acq: 26 Jun 2022 22:29



Tgt Ion:154 Resp: 12489
Ion Ratio Lower Upper
154 100
153 127.0 92.7 139.1
152 77.0 42.6 64.0#





#58

Fluorene

Concen: 8.255 ng

RT: 15.750 min Scan# 2105

Delta R.T. 0.007 min

Lab File: BG054084.D

Acq: 26 Jun 2022 22:29

Instrument :

BNA_G

ClientSampleId :

WC-14A-1A-1

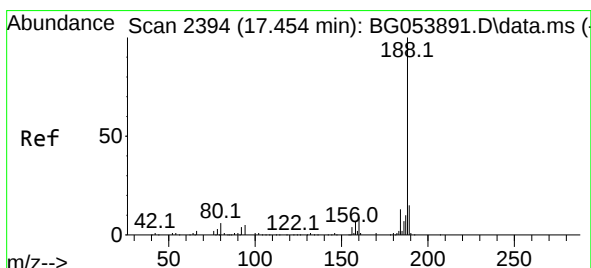
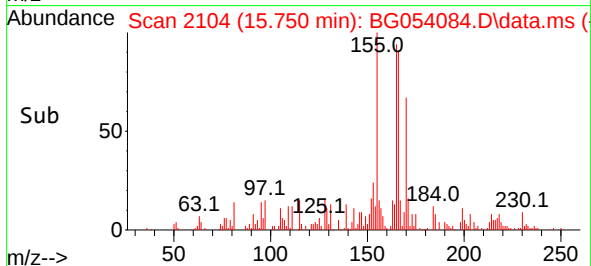
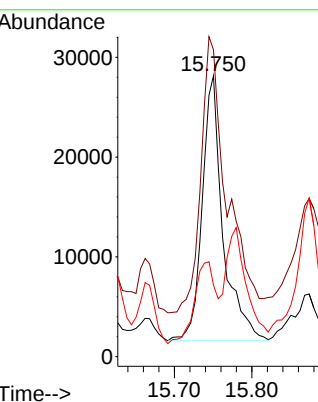
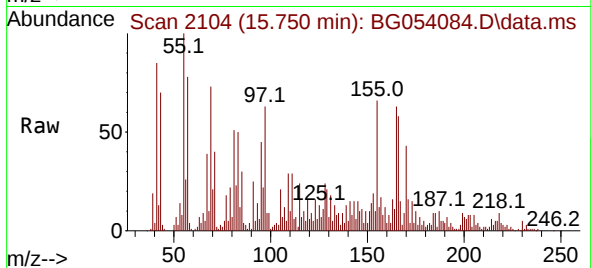
Tgt Ion:166 Resp: 49529
 Ion Ratio Lower Upper
 166 100
 165 109.2 75.0 112.6
 167 25.5 10.8 16.2

Manual Integrations

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Reviewed By :Christian Giraldo 06/28/2022

Supervised By :Jagrut Upadhyay 06/28/2022



#64

Phenanthrene-d10

Concen: 20.000 ng

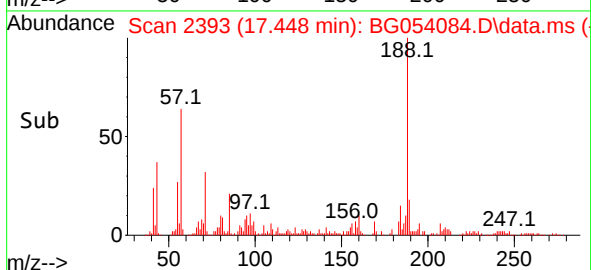
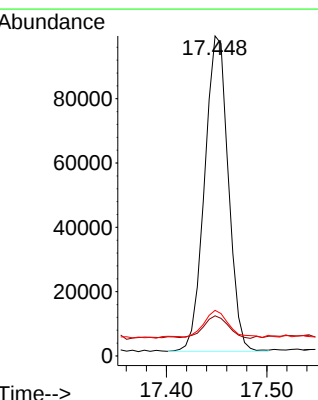
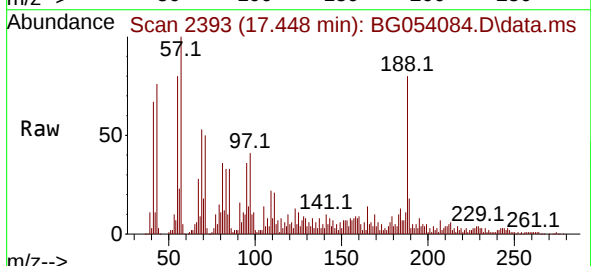
RT: 17.448 min Scan# 2393

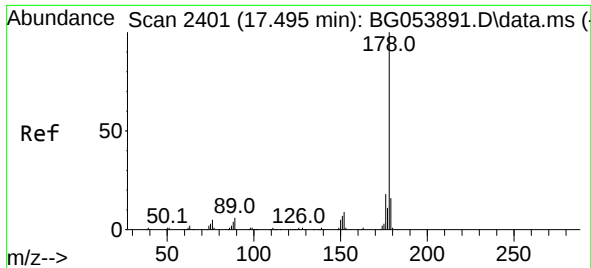
Delta R.T. 0.007 min

Lab File: BG054084.D

Acq: 26 Jun 2022 22:29

Tgt Ion:188 Resp: 160355
 Ion Ratio Lower Upper
 188 100
 94 12.5 5.4 8.0#
 80 14.2 6.8 10.2#





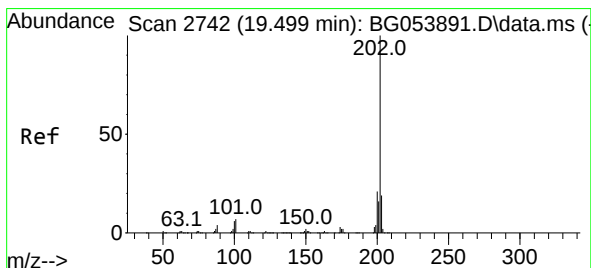
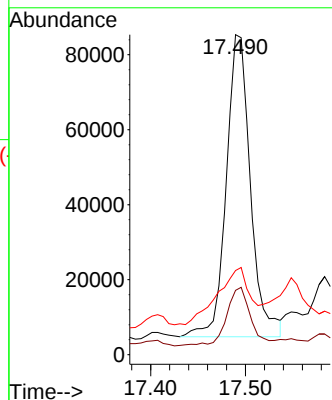
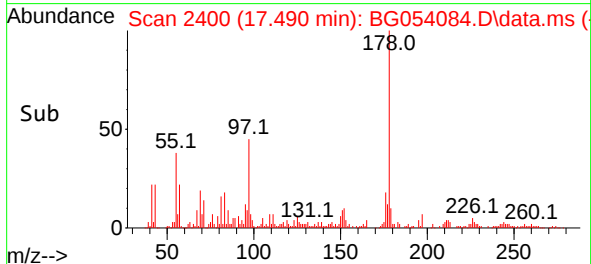
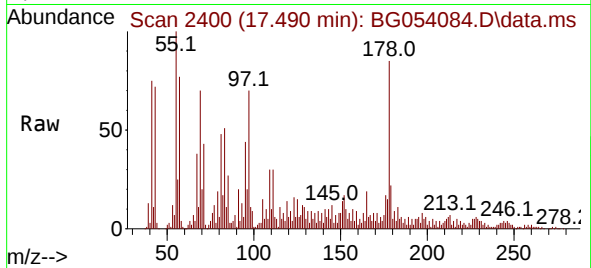
#71
Phenanthrene
Concen: 17.352 ng
RT: 17.490 min Scan# 2401
Delta R.T. 0.007 min
Lab File: BG054084.D
Acq: 26 Jun 2022 22:29

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

Tgt Ion:178 Resp: 142958
Ion Ratio Lower Upper
178 100
176 20.1 14.1 21.1
179 26.3 12.1 18.1

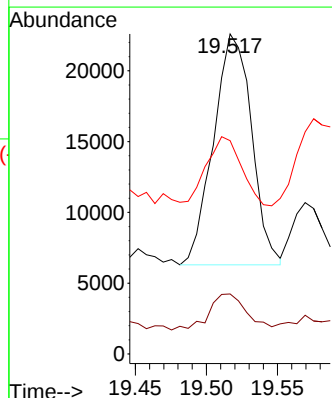
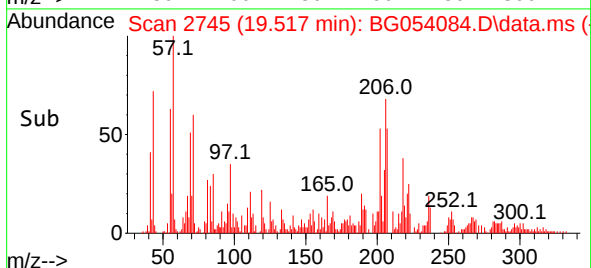
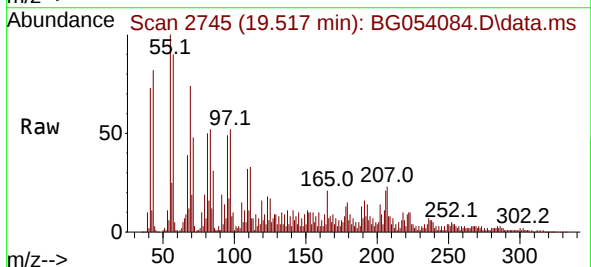
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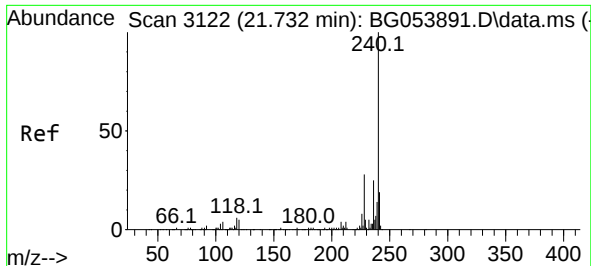
Reviewed By :Christian Giraldo 06/28/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#75
Fluoranthene
Concen: 2.813 ng
RT: 19.517 min Scan# 2745
Delta R.T. 0.024 min
Lab File: BG054084.D
Acq: 26 Jun 2022 22:29

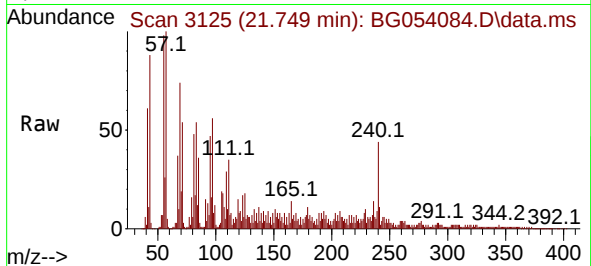
Tgt Ion:202 Resp: 30422
Ion Ratio Lower Upper
202 100
101 18.8 0.0 26.9
203 66.7 0.0 37.2





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.749 min Scan# 3122
Delta R.T. 0.030 min
Lab File: BG054084.D
Acq: 26 Jun 2022 22:29

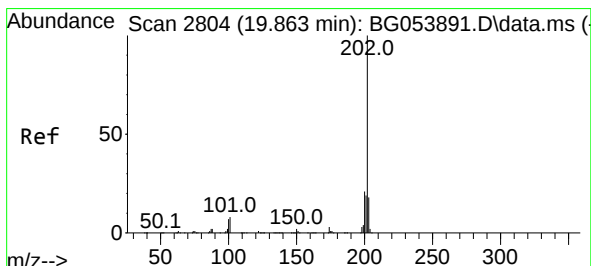
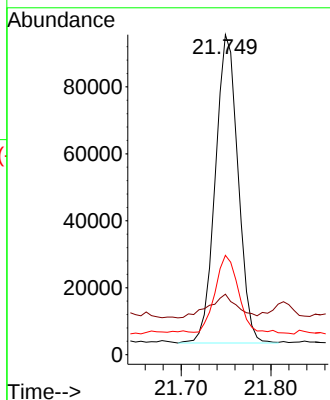
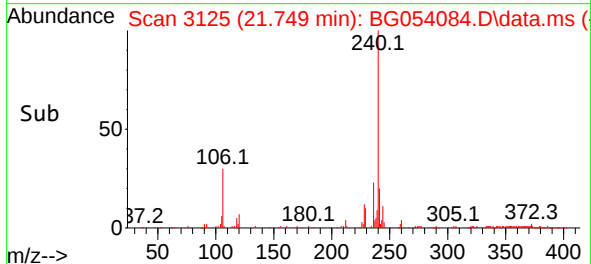
Instrument :
BNA_G
ClientSampleId :
WC-14A-1A-1



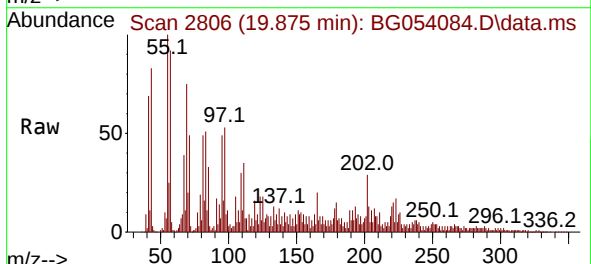
Tgt Ion:240 Resp: 161669
Ion Ratio Lower Upper
240 100
120 18.9 4.6 7.0
236 31.1 20.2 30.4

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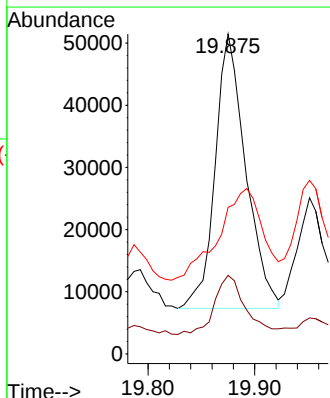
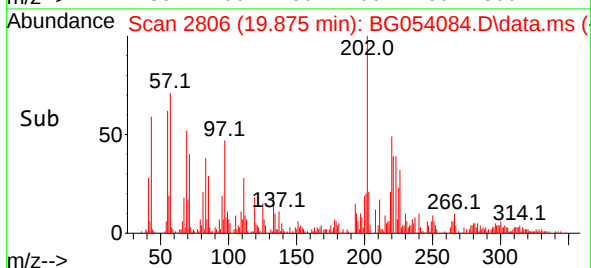
Reviewed By :Christian Giraldo 06/28/2022
Supervised By :Jagrut Upadhyay 06/28/2022

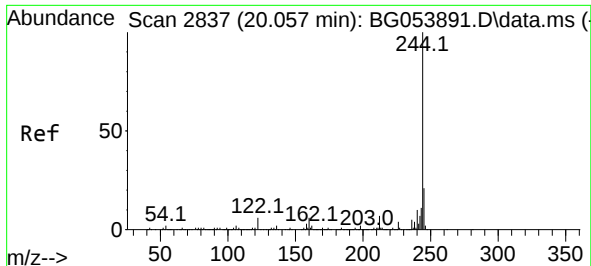


#78
Pyrene
Concen: 9.003 ng
RT: 19.875 min Scan# 2806
Delta R.T. 0.024 min
Lab File: BG054084.D
Acq: 26 Jun 2022 22:29



Tgt Ion:202 Resp: 87908
Ion Ratio Lower Upper
202 100
200 24.6 16.6 24.8
203 45.8 14.6 21.8





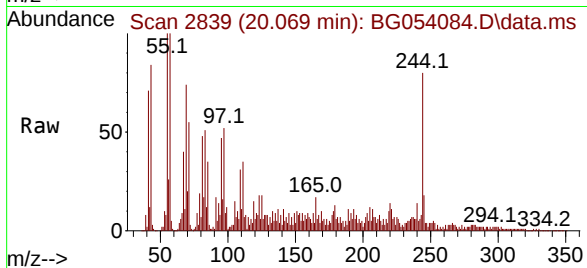
#79
 Terphenyl-d14
 Concen: 26.344 ng
 RT: 20.069 min Scan# 21146
 Delta R.T. 0.024 min
 Lab File: BG054084.D
 Acq: 26 Jun 2022 22:29

Instrument :

BNA_G

ClientSampleId :

WC-14A-1A-1

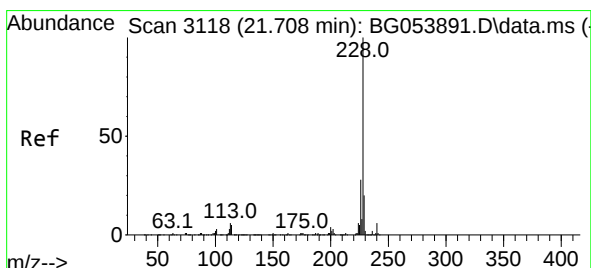
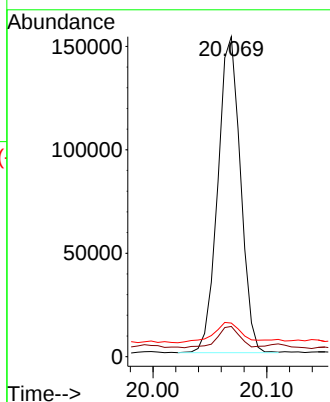
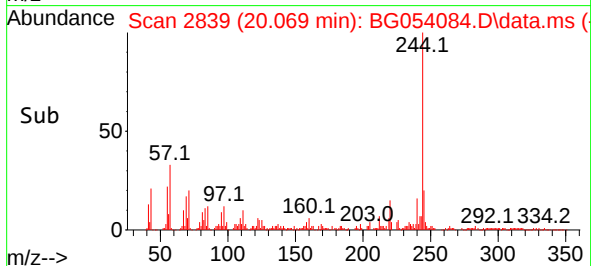


Tgt Ion:244 Resp: 21146
 Ion Ratio Lower Upper
 244 100
 212 9.4 6.5 9.7
 122 10.5 5.0 7.4

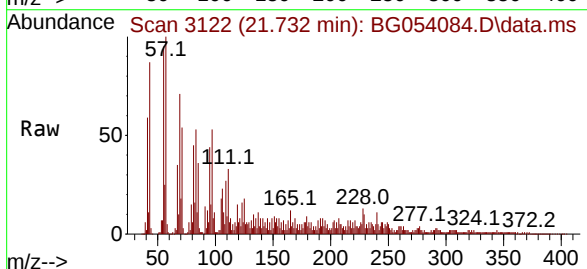
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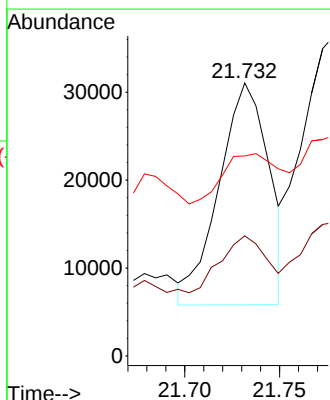
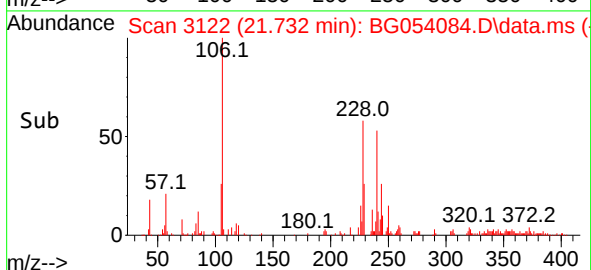
Reviewed By :Christian Giraldo 06/28/2022
 Supervised By :Jagrut Upadhyay 06/28/2022

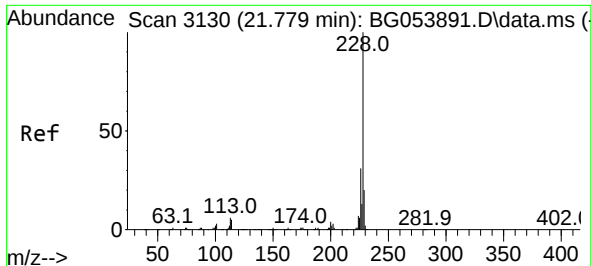


#81
 Benzo(a)anthracene
 Concen: 4.409 ng
 RT: 21.732 min Scan# 3122
 Delta R.T. 0.036 min
 Lab File: BG054084.D
 Acq: 26 Jun 2022 22:29



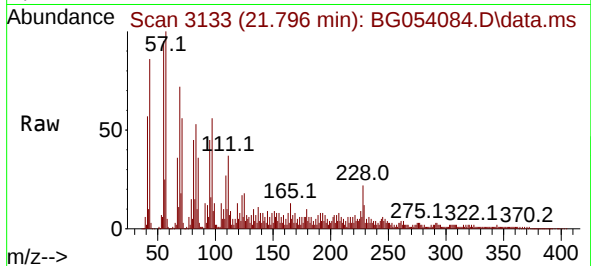
Tgt Ion:228 Resp: 46156
 Ion Ratio Lower Upper
 228 100
 226 44.0 21.6 32.4#
 229 73.2 16.2 24.2#





#83
Chrysene
Concen: 13.336 ng
RT: 21.796 min Scan# 3130
Delta R.T. 0.036 min
Lab File: BG054084.D
Acq: 26 Jun 2022 22:29

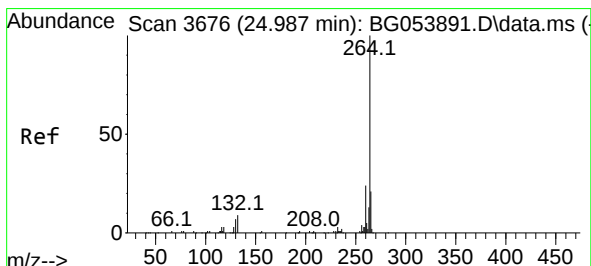
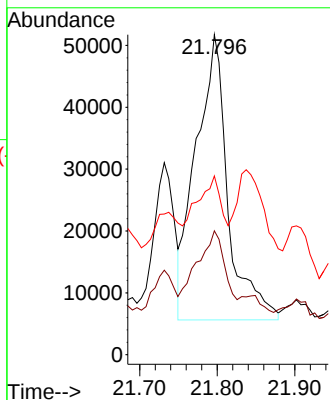
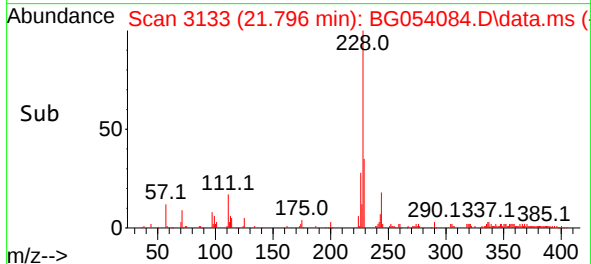
Instrument :
BNA_G
ClientSampleId :
WC-14A-1A-1



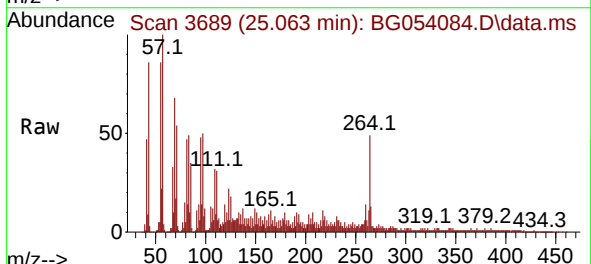
Tgt Ion:228 Resp: 133070
Ion Ratio Lower Upper
228 100
226 38.7 23.4 35.2
229 55.8 15.5 23.3

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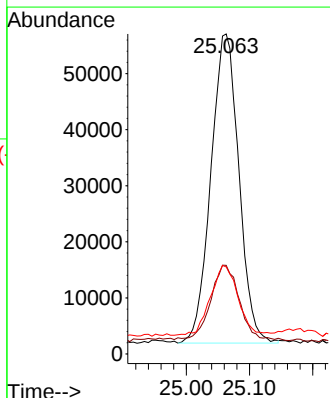
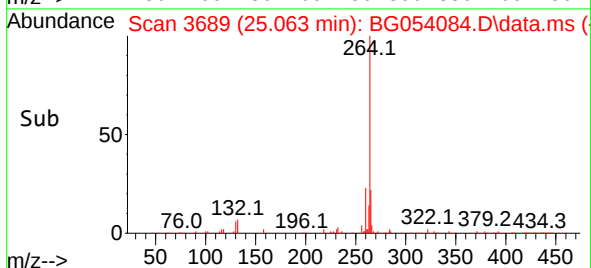
Reviewed By :Christian Giraldo 06/28/2022
Supervised By :Jagrut Upadhyay 06/28/2022

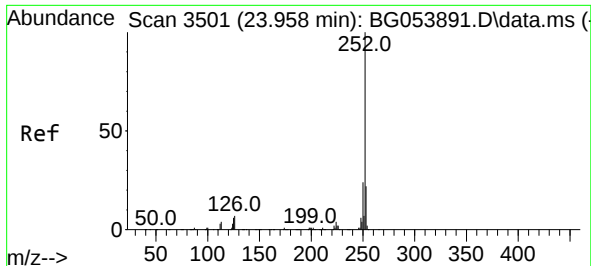


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.063 min Scan# 3689
Delta R.T. 0.101 min
Lab File: BG054084.D
Acq: 26 Jun 2022 22:29



Tgt Ion:264 Resp: 169669
Ion Ratio Lower Upper
264 100
260 27.7 19.0 28.6
265 27.2 17.4 26.2





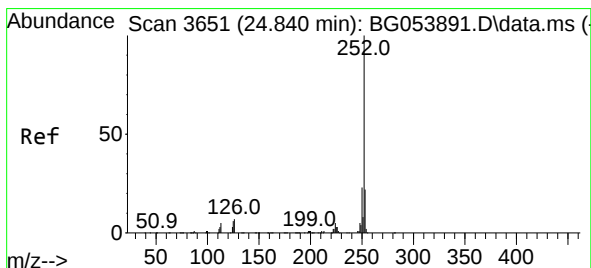
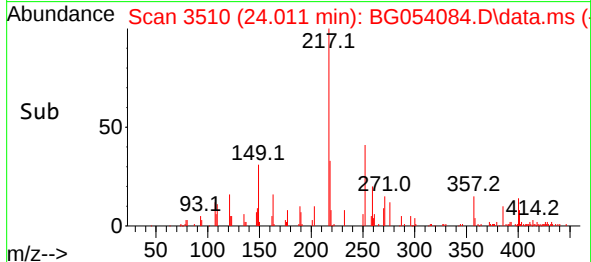
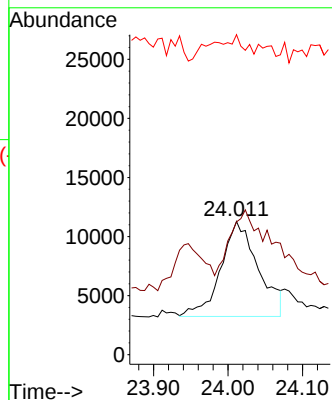
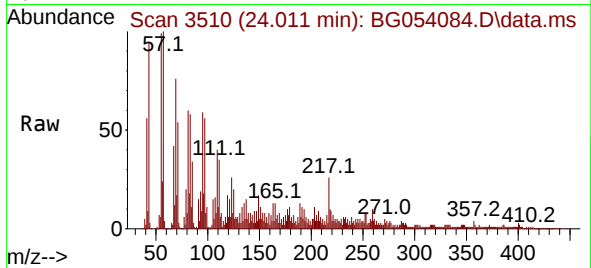
#88
Benzo(b)fluoranthene
Concen: 2.721 ng m
RT: 24.011 min Scan# 3501
Delta R.T. 0.077 min
Lab File: BG054084.D
Acq: 26 Jun 2022 22:29

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

Tgt Ion:252 Resp: 28072
Ion Ratio Lower Upper
252 100
253 99.6 18.0 27.0#
125 240.0 4.6 6.8#

Manual Integrations
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Reviewed By :Christian Giraldo 06/28/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#90
Benzo(a)pyrene
Concen: 3.006 ng
RT: 24.899 min Scan# 3661
Delta R.T. 0.083 min
Lab File: BG054084.D
Acq: 26 Jun 2022 22:29

Tgt Ion:252 Resp: 26165
Ion Ratio Lower Upper
252 100
253 61.7 17.8 26.8#
125 203.6 4.3 6.5#

