

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090222\
 Data File : BG054847.D
 Acq On : 2 Sep 2022 19:41
 Operator : CG/JU
 Sample : N4490-01 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/06/2022
 Supervised By : Jagrut Upadhyay 09/06/2022

Quant Time: Sep 03 00:30:43 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 25 17:50:55 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.153	152	51043	20.000	ng	0.00
21) Naphthalene-d8	10.979	136	202854	20.000	ng	# 0.00
39) Acenaphthene-d10	14.786	164	126934	20.000	ng	0.00
64) Phenanthrene-d10	17.536	188	252772	20.000	ng	# 0.00
76) Chrysene-d12	21.837	240	239951	20.000	ng	0.01
86) Perylene-d12	25.233	264	243616	20.000	ng	# 0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.691	112	21595	7.367	ng	0.00
7) Phenol-d6	7.301	99	29499	7.359	ng	0.00
23) Nitrobenzene-d5	9.322	82	24049	6.224	ng	0.00
42) 2,4,6-Tribromophenol	16.273	330	10783	6.798	ng	0.00
45) 2-Fluorobiphenyl	13.406	172	46675	5.527	ng	0.00
79) Terphenyl-d14	20.133	244	68346	5.644	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	11.026	128	28296	2.600	ng	# 85
37) 2-Methylnaphthalene	12.624	142	67756	8.882	ng	98
38) 1-Methylnaphthalene	12.841	142	96776m	13.040	ng	
58) Fluorene	15.832	166	29908	3.184	ng	# 85
71) Phenanthrene	17.577	178	93699	6.959	ng	# 93
78) Pyrene	19.945	202	85381	5.103	ng	# 89
81) Benzo(a)anthracene	21.813	228	178345	10.962	ng	# 91
83) Chrysene	21.884	228	349239m	22.451	ng	
88) Benzo(b)fluoranthene	24.146	252	158774m	10.389	ng	
90) Benzo(a)pyrene	25.068	252	115426	8.840	ng	# 72
91) Dibenzo(a,h)anthracene	29.181	278	57672	3.828	ng	# 62

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

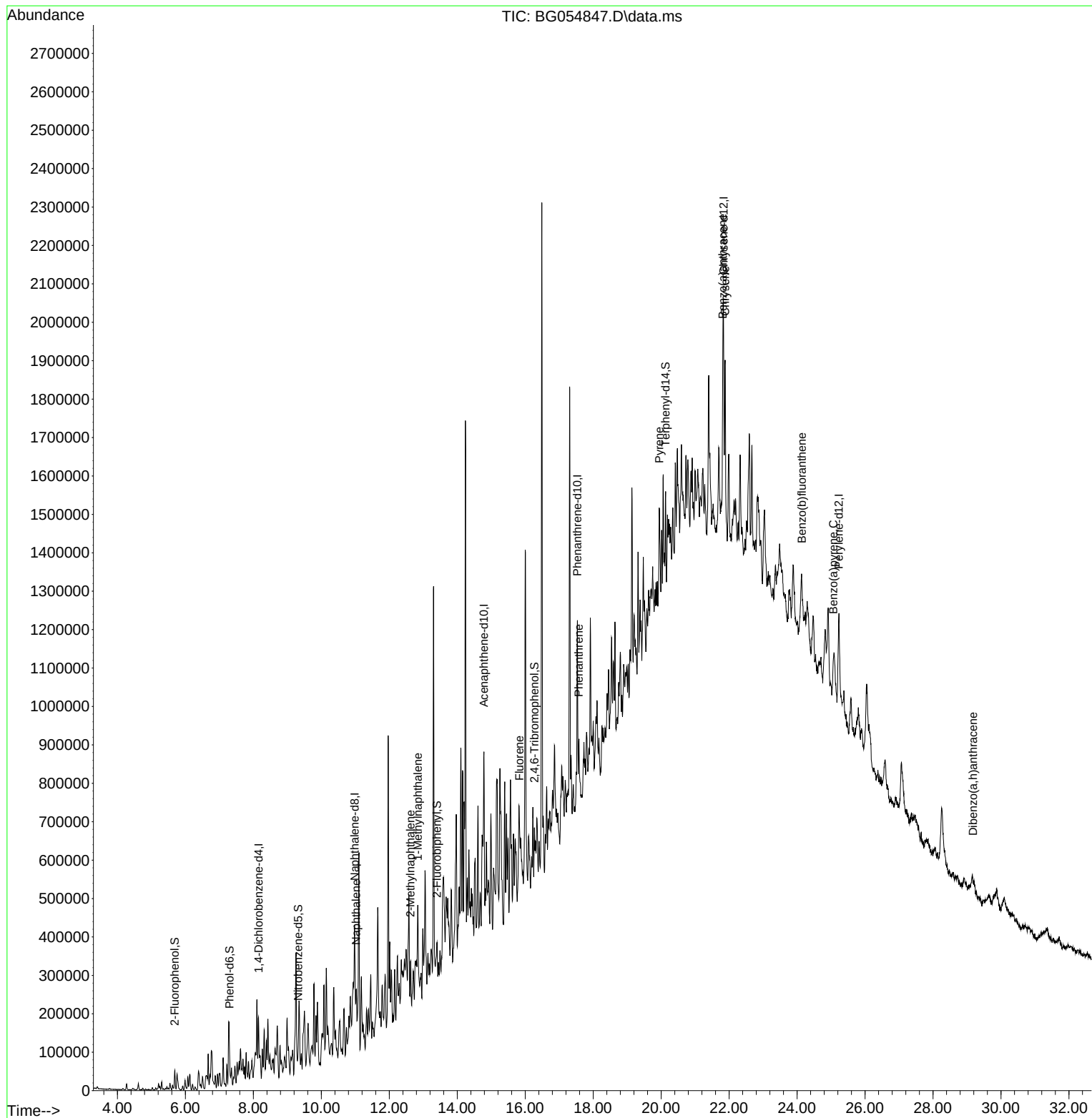
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090222\
Data File : BG054847.D
Acq On : 2 Sep 2022 19:41
Operator : CG/JU
Sample : N4490-01 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

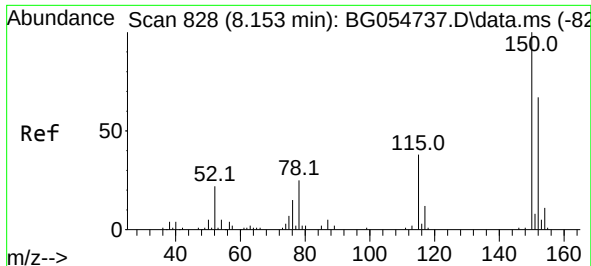
Instrument :
BNA_G
ClientSampleId :
WC-14-A-SP

Quant Time: Sep 03 00:30:43 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

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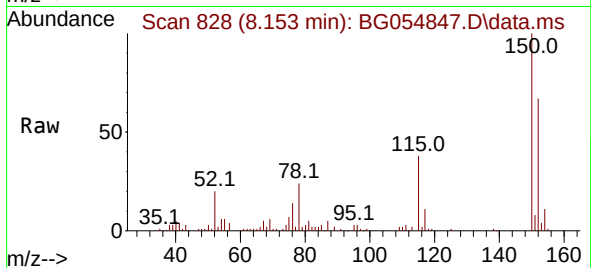
Reviewed By : Christian Giraldo 09/06/2022
Supervised By : Jagrut Upadhyay 09/06/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.153 min Scan# 81
Delta R.T. -0.000 min
Lab File: BG054847.D
Acq: 2 Sep 2022 19:41

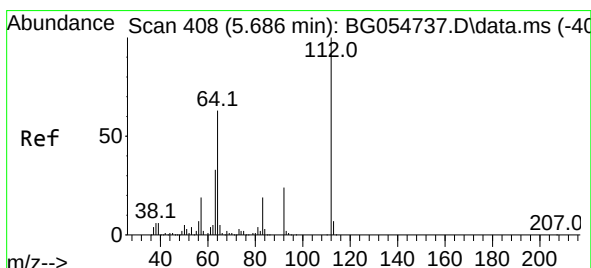
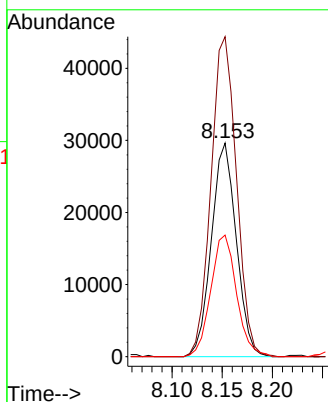
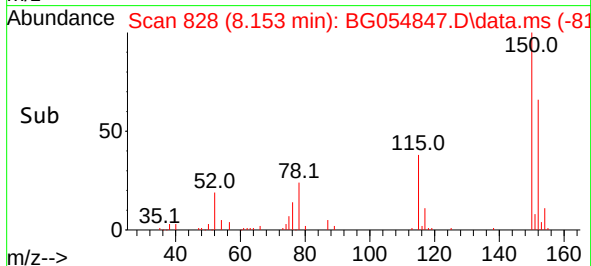
Instrument :
BNA_G
ClientSampleId :
WC-14-A-SP



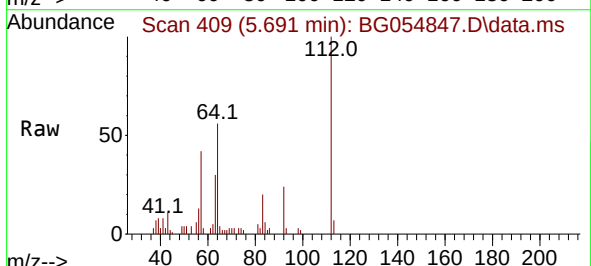
Tgt Ion:152 Resp: 5104
Ion Ratio Lower Upper
152 100
150 149.9 125.2 187.8
115 57.0 47.9 71.9

Manual Integrations
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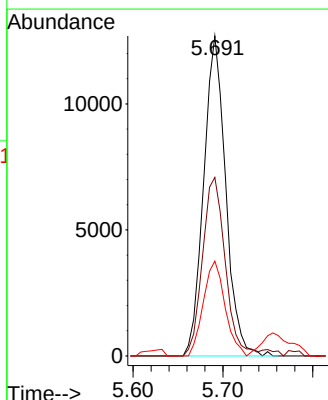
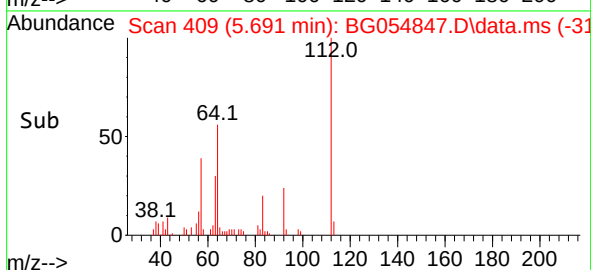
Reviewed By :Christian Giraldo 09/06/2022
Supervised By :Jagrut Upadhyay 09/06/2022

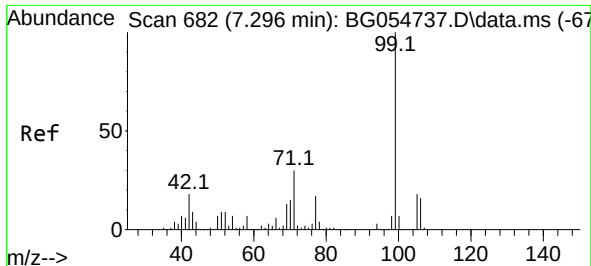


#5
2-Fluorophenol
Concen: 7.367 ng
RT: 5.691 min Scan# 409
Delta R.T. 0.005 min
Lab File: BG054847.D
Acq: 2 Sep 2022 19:41



Tgt Ion:112 Resp: 21595
Ion Ratio Lower Upper
112 100
64 55.8 49.3 73.9
63 29.6 26.3 39.5





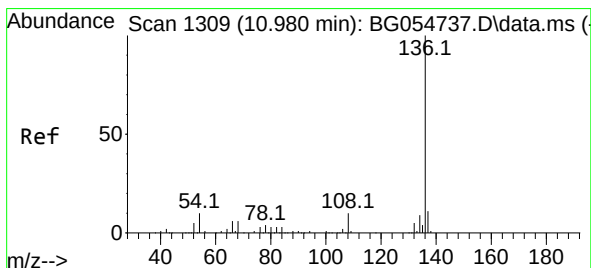
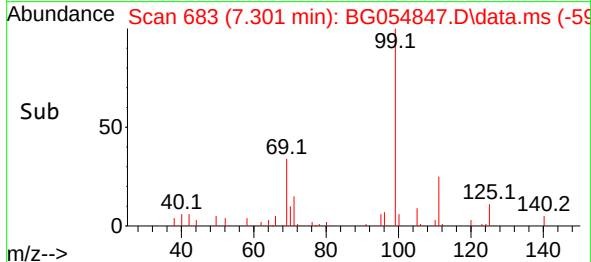
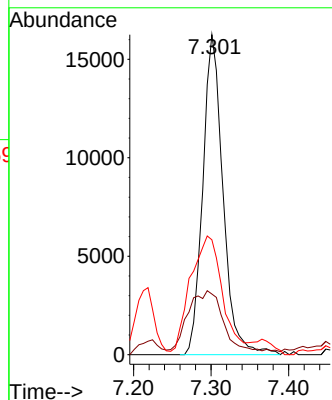
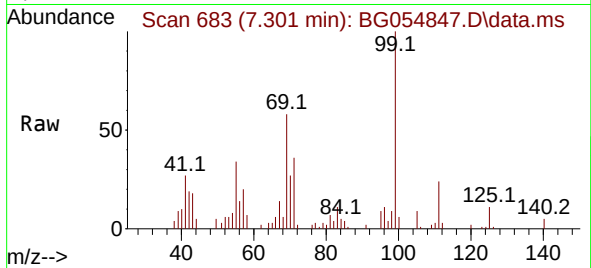
#7
Phenol-d6
Concen: 7.359 ng
RT: 7.301 min Scan# 682
Delta R.T. 0.005 min
Lab File: BG054847.D
Acq: 2 Sep 2022 19:41

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

Tgt Ion: 99 Resp: 29499
Ion Ratio Lower Upper
99 100
42 18.9 14.6 22.0
71 35.9 24.6 37.0

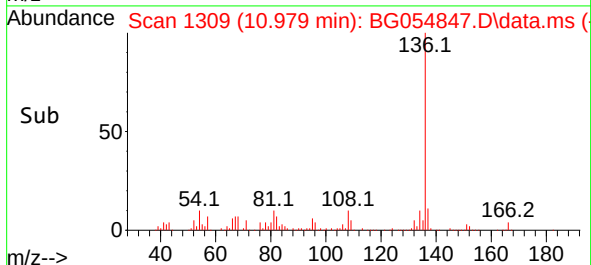
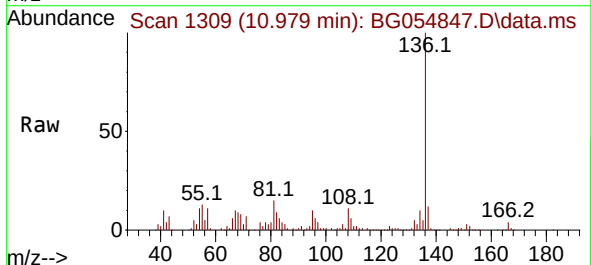
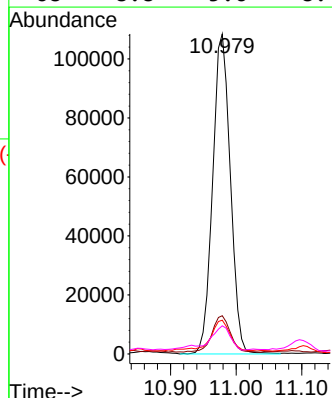
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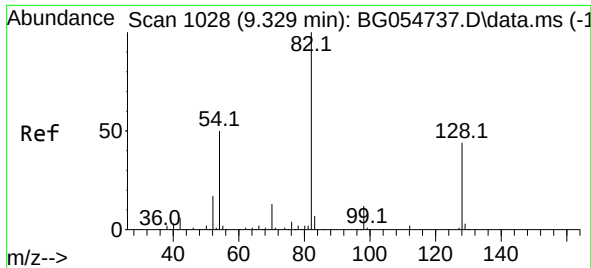
Reviewed By :Christian Giraldo 09/06/2022
Supervised By :Jagrut Upadhyay 09/06/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.979 min Scan# 1309
Delta R.T. -0.001 min
Lab File: BG054847.D
Acq: 2 Sep 2022 19:41

Tgt Ion:136 Resp: 202854
Ion Ratio Lower Upper
136 100
137 12.0 9.2 13.8
54 10.6 7.7 11.5
68 8.8 5.6 8.4#





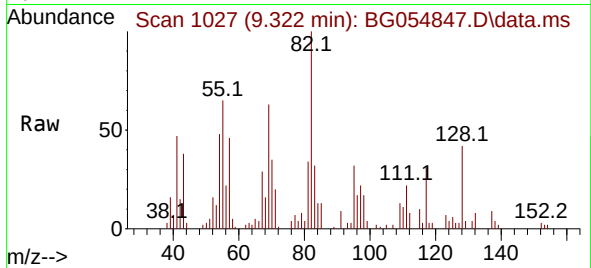
#23
Nitrobenzene-d5
Concen: 6.224 ng
RT: 9.322 min Scan# 1027
Delta R.T. -0.007 min
Lab File: BG054847.D
Acq: 2 Sep 2022 19:41

Instrument :

BNA_G

ClientSampleId :

WC-14-A-SP

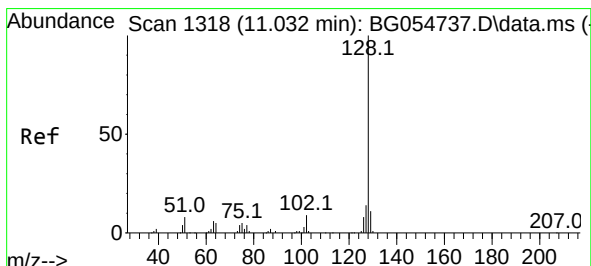
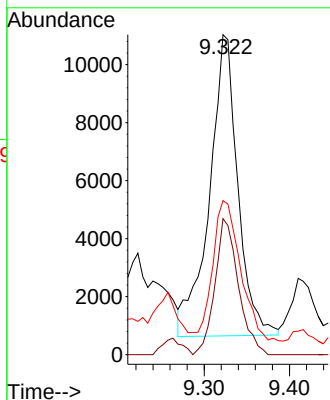
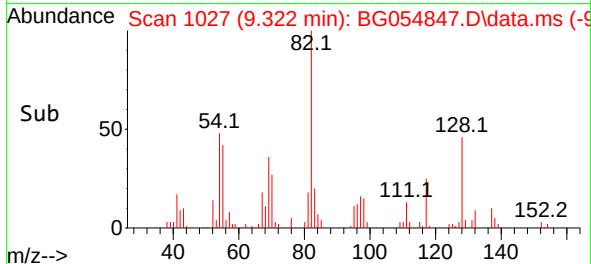


Tgt Ion: 82 Resp: 24049
Ion Ratio Lower Upper
82 100
128 42.5 32.2 48.2
54 48.2 41.4 62.0

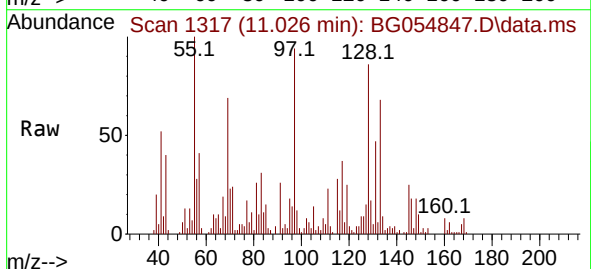
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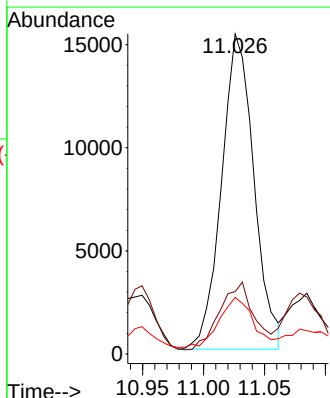
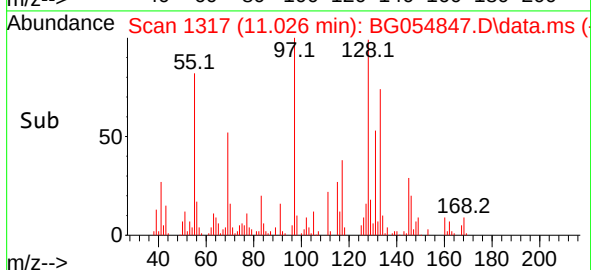
Reviewed By :Christian Giraldo 09/06/2022
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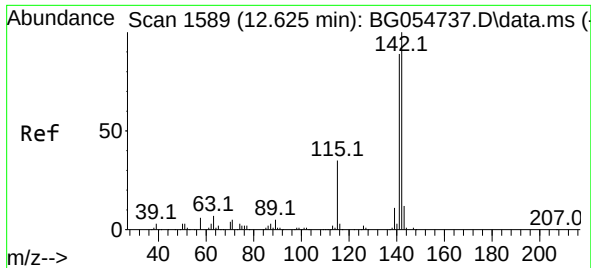


#31
Naphthalene
Concen: 2.600 ng
RT: 11.026 min Scan# 1317
Delta R.T. -0.007 min
Lab File: BG054847.D
Acq: 2 Sep 2022 19:41



Tgt Ion:128 Resp: 28296
Ion Ratio Lower Upper
128 100
129 19.5 9.0 13.4#
127 17.7 11.1 16.7#





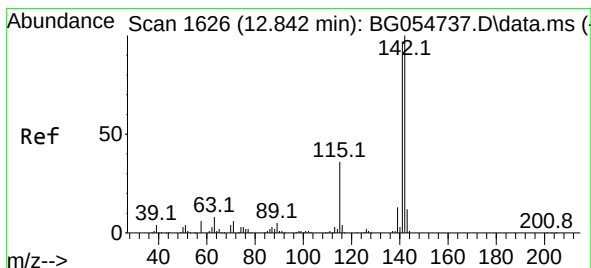
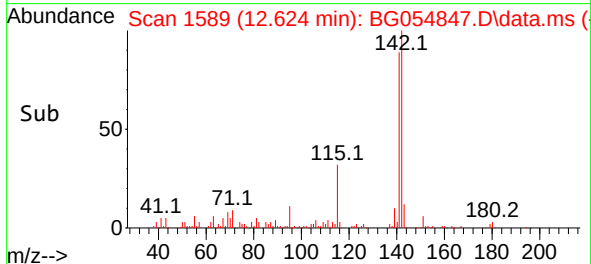
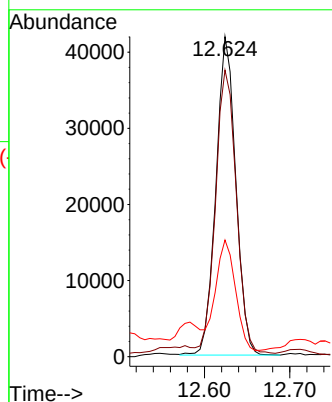
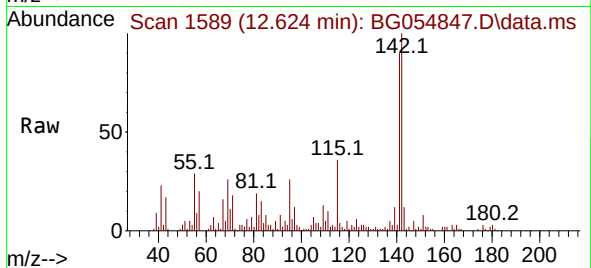
#37
2-Methylnaphthalene
Concen: 8.882 ng
RT: 12.624 min Scan# 1589
Delta R.T. -0.001 min
Lab File: BG054847.D
Acq: 2 Sep 2022 19:41

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

Tgt Ion:142 Resp: 67750
Ion Ratio Lower Upper
142 100
141 89.6 73.0 109.4
115 36.4 27.3 40.9

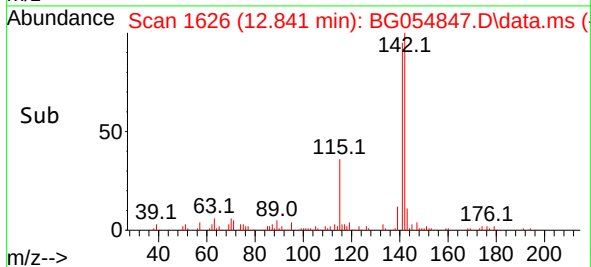
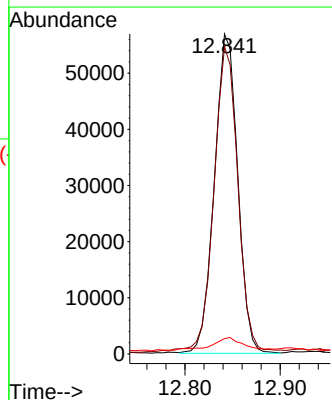
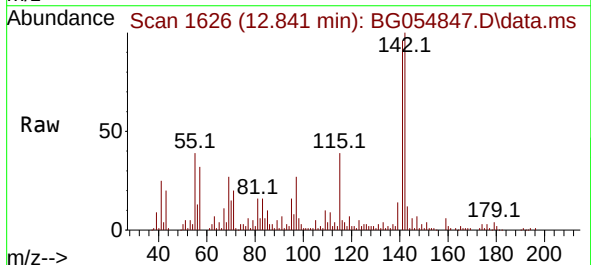
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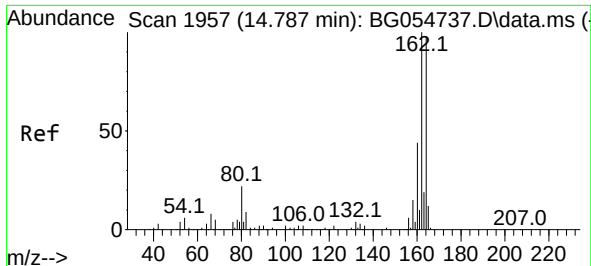
Reviewed By :Christian Giraldo 09/06/2022
Supervised By :Jagrut Upadhyay 09/06/2022



#38
1-Methylnaphthalene
Concen: 13.040 ng m
RT: 12.841 min Scan# 1626
Delta R.T. -0.001 min
Lab File: BG054847.D
Acq: 2 Sep 2022 19:41

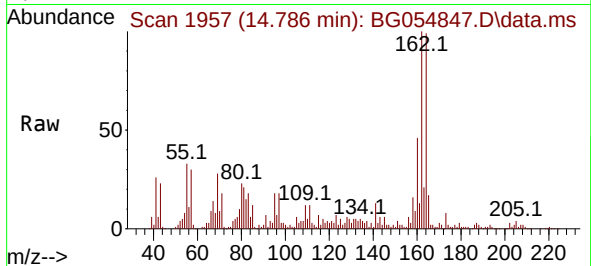
Tgt Ion:142 Resp: 96776
Ion Ratio Lower Upper
142 100
141 96.0 77.4 116.0
116 4.8 3.0 4.4#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.786 min Scan# 1957
Delta R.T. -0.001 min
Lab File: BG054847.D
Acq: 2 Sep 2022 19:41

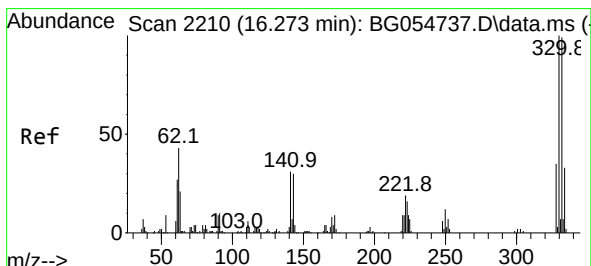
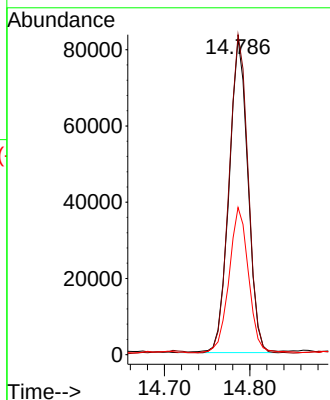
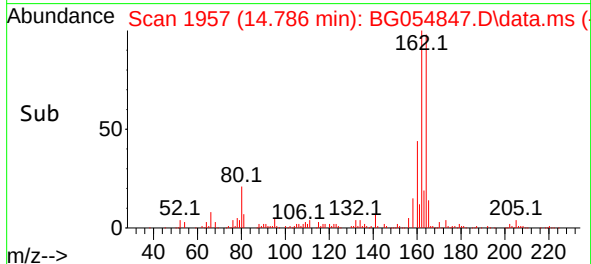
Instrument :
BNA_G
ClientSampleId :
WC-14-A-SP



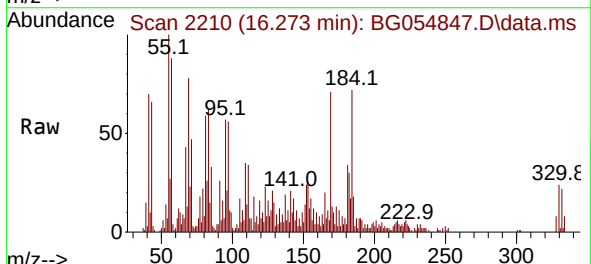
Tgt Ion:164 Resp: 126934
Ion Ratio Lower Upper
164 100
162 101.3 83.0 124.4
160 46.6 38.0 57.0

Manual Integrations
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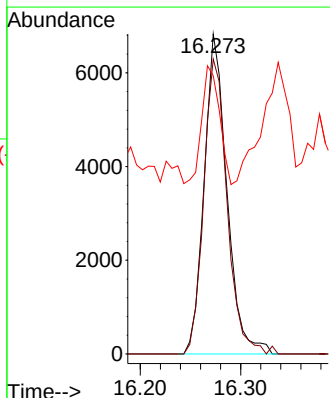
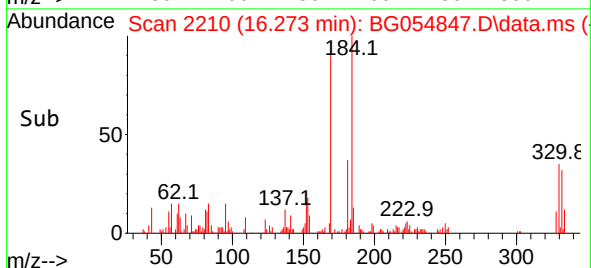
Reviewed By :Christian Giraldo 09/06/2022
Supervised By :Jagrut Upadhyay 09/06/2022

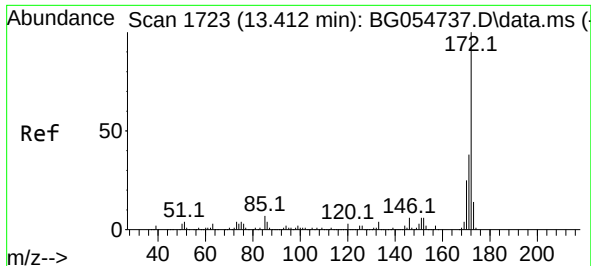


#42
2,4,6-Tribromophenol
Concen: 6.798 ng
RT: 16.273 min Scan# 2210
Delta R.T. -0.001 min
Lab File: BG054847.D
Acq: 2 Sep 2022 19:41



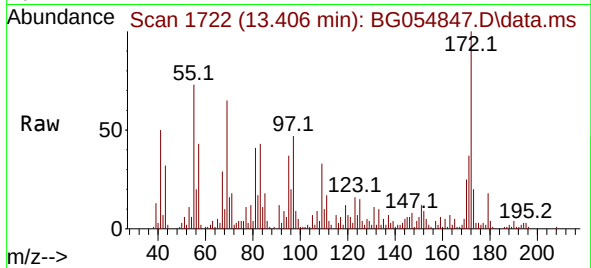
Tgt Ion:330 Resp: 10783
Ion Ratio Lower Upper
330 100
332 94.8 79.8 119.6
141 28.7 26.8 40.2





#45
2-Fluorobiphenyl
Concen: 5.527 ng
RT: 13.406 min Scan# 1722
Delta R.T. -0.007 min
Lab File: BG054847.D
Acq: 2 Sep 2022 19:41

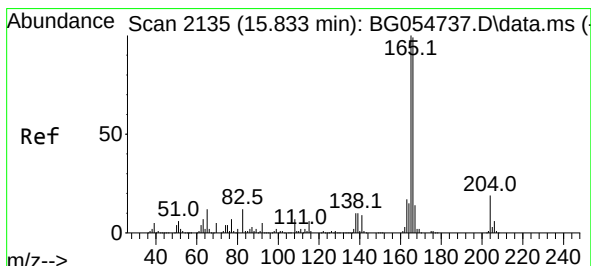
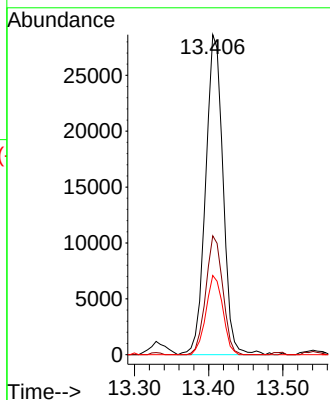
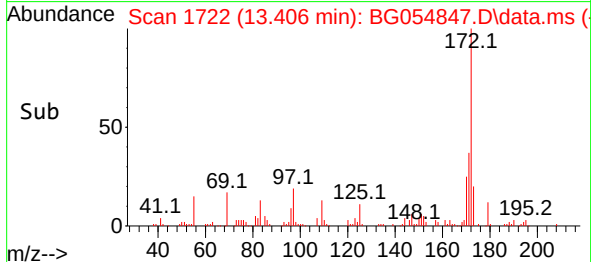
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WC-14-A-SP



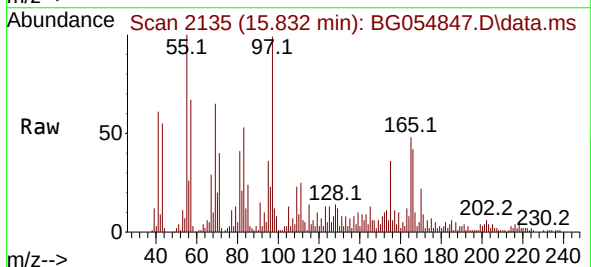
Tgt Ion:172 Resp: 46679
Ion Ratio Lower Upper
172 100
171 37.2 31.2 46.8
170 24.7 20.6 30.8

Manual Integrations
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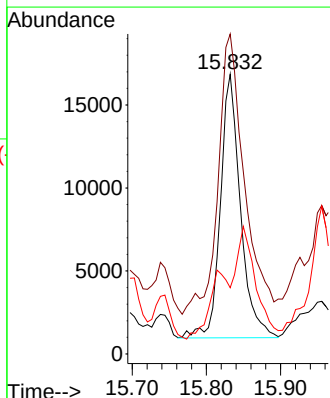
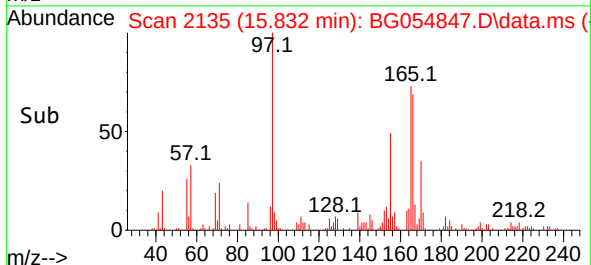
Reviewed By :Christian Giraldo 09/06/2022
Supervised By :Jagrut Upadhyay 09/06/2022

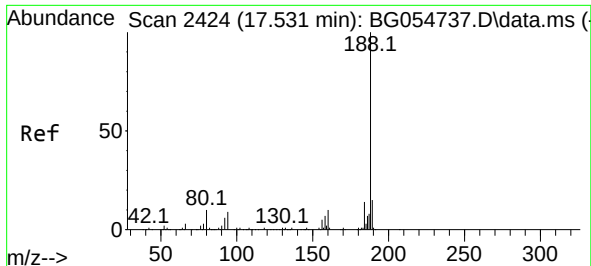


#58
Fluorene
Concen: 3.184 ng
RT: 15.832 min Scan# 2135
Delta R.T. -0.001 min
Lab File: BG054847.D
Acq: 2 Sep 2022 19:41



Tgt Ion:166 Resp: 29908
Ion Ratio Lower Upper
166 100
165 114.4 80.8 121.2
167 23.7 11.4 17.0#





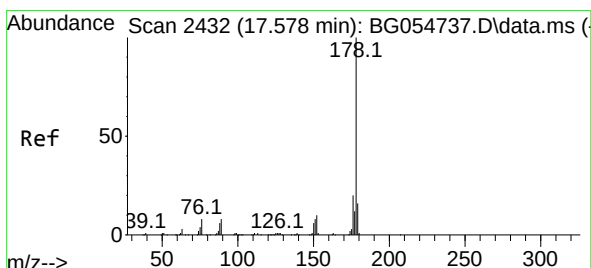
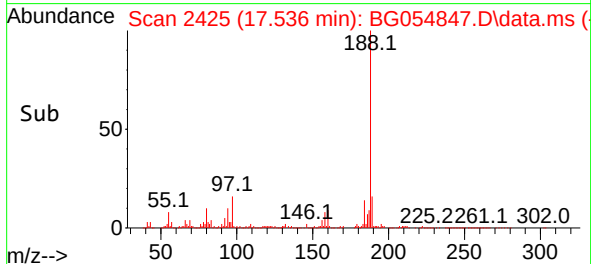
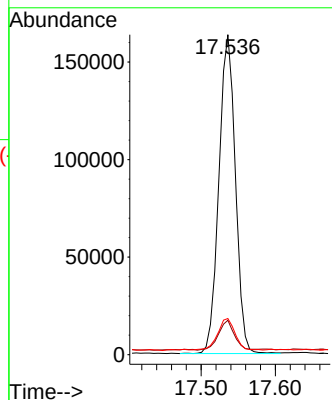
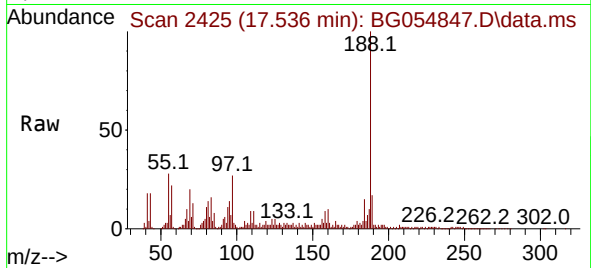
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.536 min Scan# 2424
Delta R.T. 0.005 min
Lab File: BG054847.D
Acq: 2 Sep 2022 19:41

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

Tgt Ion:188 Resp: 252772
Ion Ratio Lower Upper
188 100
94 10.7 7.0 10.4
80 11.3 7.9 11.9

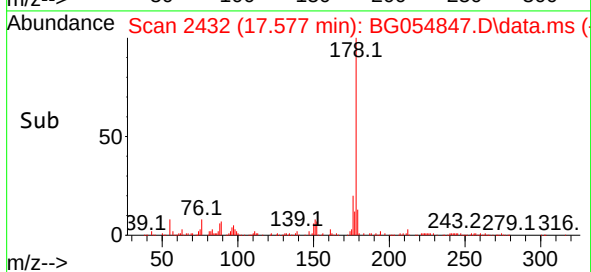
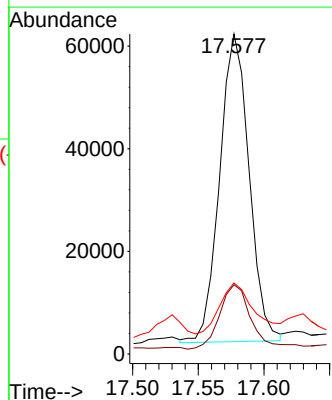
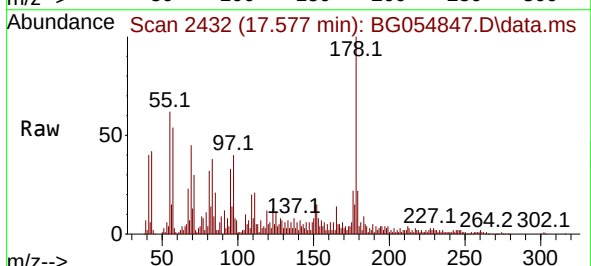
Manual Integrations
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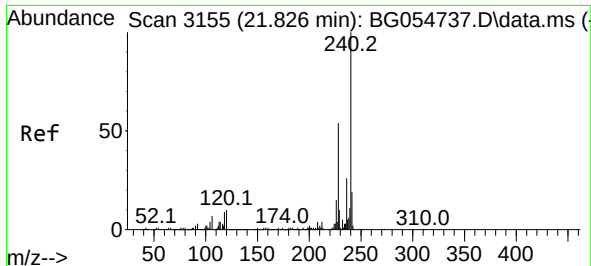
Reviewed By :Christian Giraldo 09/06/2022
Supervised By :Jagrut Upadhyay 09/06/2022



#71
Phenanthrene
Concen: 6.959 ng
RT: 17.577 min Scan# 2432
Delta R.T. -0.001 min
Lab File: BG054847.D
Acq: 2 Sep 2022 19:41

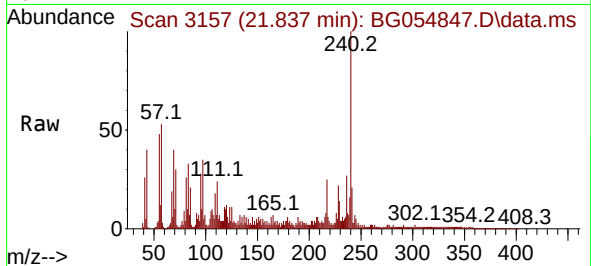
Tgt Ion:178 Resp: 93699
Ion Ratio Lower Upper
178 100
176 21.7 16.6 25.0
179 22.2 12.8 19.2#





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.837 min Scan# 3155
Delta R.T. 0.011 min
Lab File: BG054847.D
Acq: 2 Sep 2022 19:41

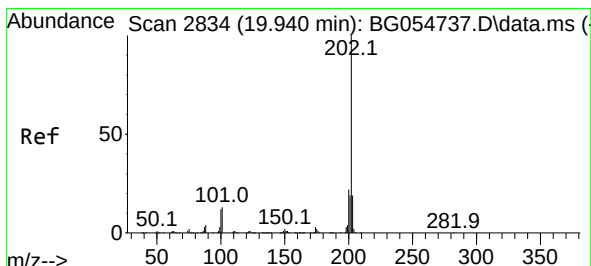
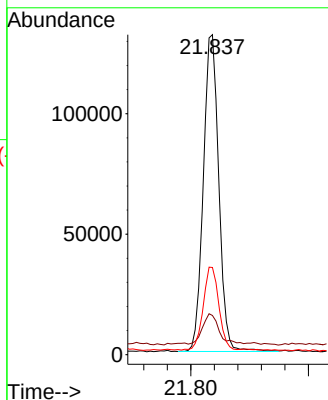
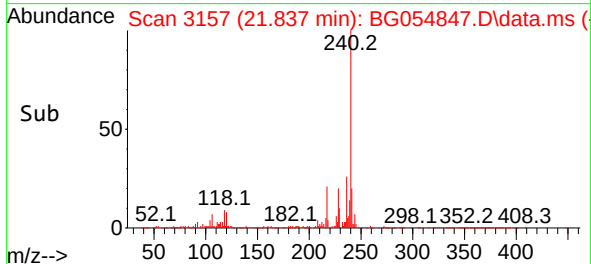
Instrument :
BNA_G
ClientSampleId :
WC-14-A-SP



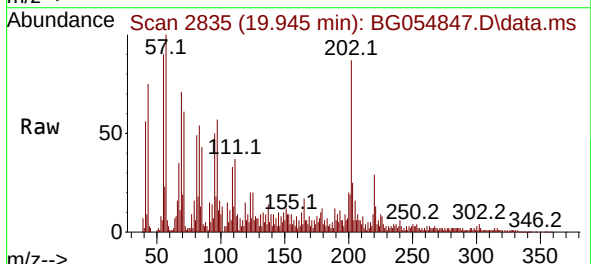
Tgt Ion:240 Resp: 23995
Ion Ratio Lower Upper
240 100
120 12.3 8.2 12.4
236 27.3 21.2 31.8

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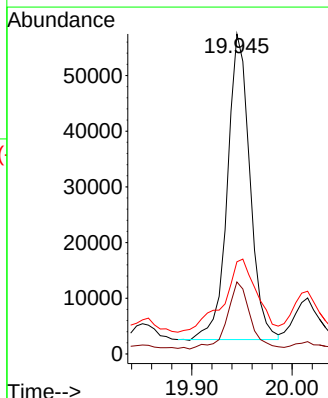
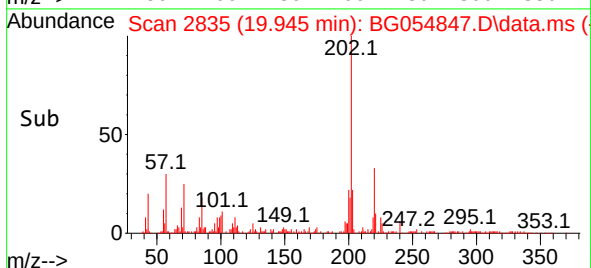
Reviewed By :Christian Giraldo 09/06/2022
Supervised By :Jagrut Upadhyay 09/06/2022

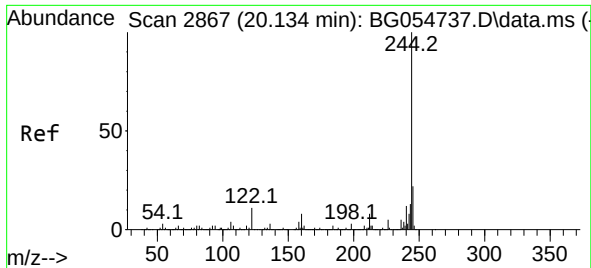


#78
Pyrene
Concen: 5.103 ng
RT: 19.945 min Scan# 2835
Delta R.T. 0.005 min
Lab File: BG054847.D
Acq: 2 Sep 2022 19:41



Tgt Ion:202 Resp: 85381
Ion Ratio Lower Upper
202 100
200 22.5 17.8 26.6
203 28.8 14.6 21.8#





#79
 Terphenyl-d14
 Concen: 5.644 ng
 RT: 20.133 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BG054847.D
 Acq: 2 Sep 2022 19:41

Instrument :

BNA_G

ClientSampleId :

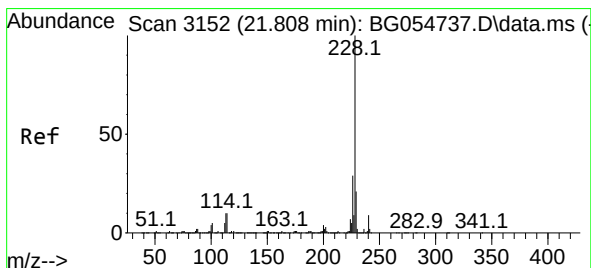
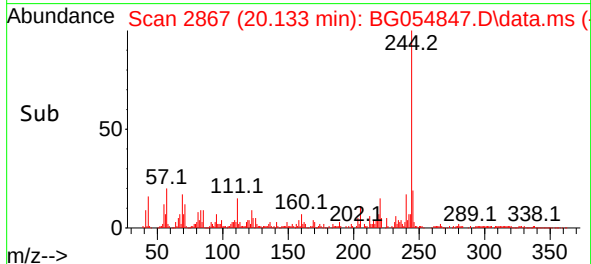
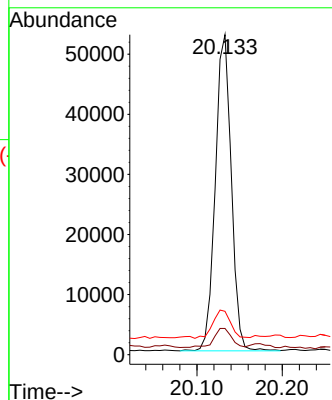
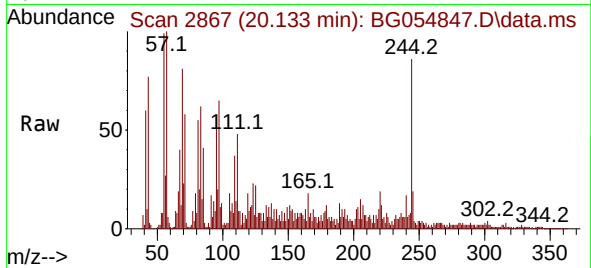
WC-14-A-SP

Tgt Ion:244 Resp: 68340
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.2 9.2
 122 13.6 9.0 13.6

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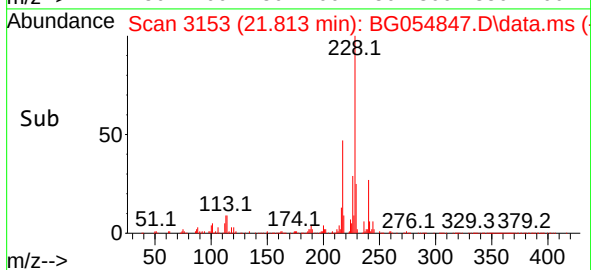
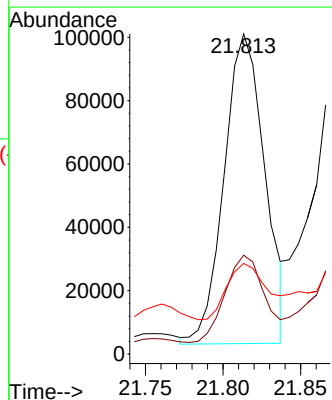
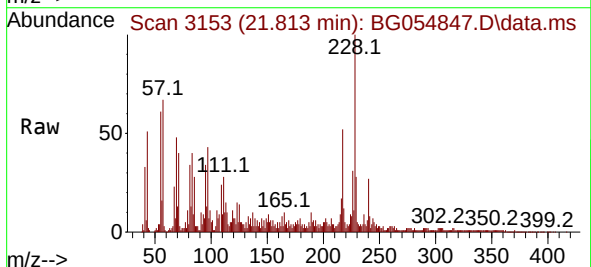
APPROVED

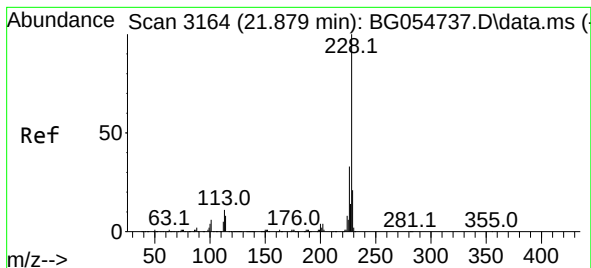
Reviewed By :Christian Giraldo 09/06/2022
 Supervised By :Jagrut Upadhyay 09/06/2022



#81
 Benzo(a)anthracene
 Concen: 10.962 ng
 RT: 21.813 min Scan# 3153
 Delta R.T. 0.005 min
 Lab File: BG054847.D
 Acq: 2 Sep 2022 19:41

Tgt Ion:228 Resp: 178345
 Ion Ratio Lower Upper
 228 100
 226 30.8 23.4 35.2
 229 28.3 16.5 24.7#





#83

Chrysene

Concen: 22.451 ng m

RT: 21.884 min Scan# 3164

Delta R.T. 0.005 min

Lab File: BG054847.D

Acq: 2 Sep 2022 19:41

Instrument :

BNA_G

ClientSampleId :

WC-14-A-SP

Tgt Ion:228 Resp: 349239

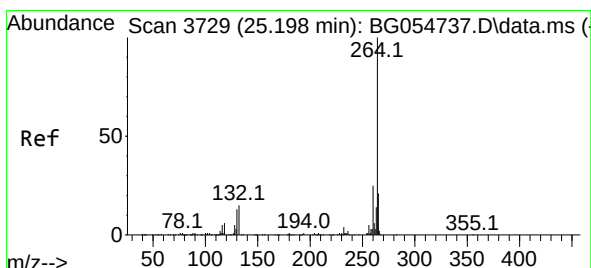
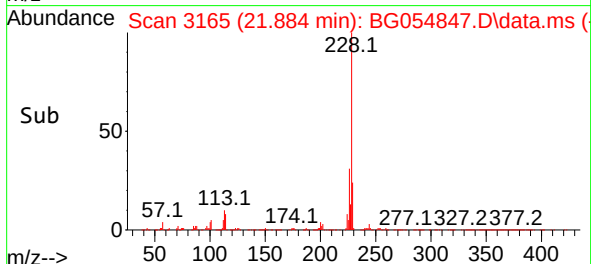
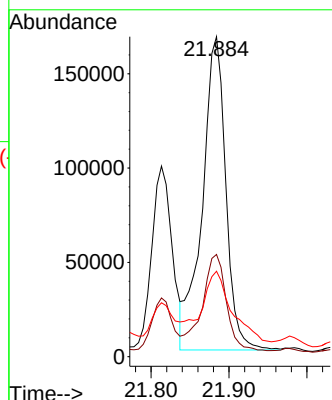
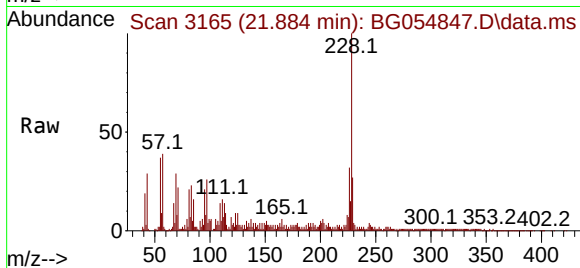
Ion	Ratio	Lower	Upper
228	100		
226	31.9	25.5	38.3
229	26.7	16.8	25.2

Manual Integrations

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Reviewed By :Christian Giraldo 09/06/2022

Supervised By :Jagrut Upadhyay 09/06/2022



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.233 min Scan# 3735

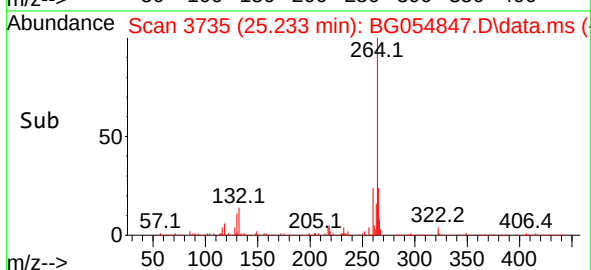
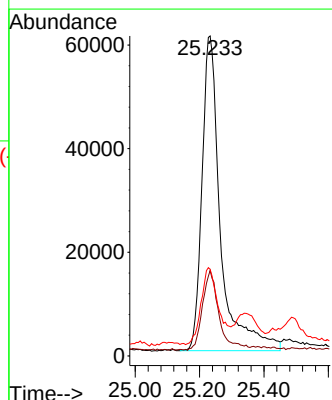
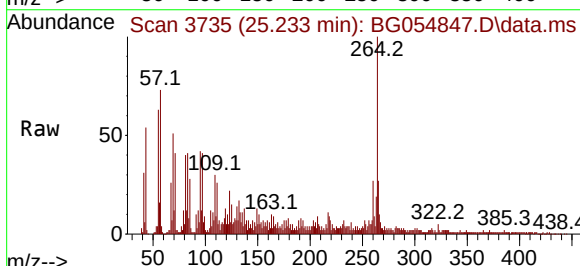
Delta R.T. 0.035 min

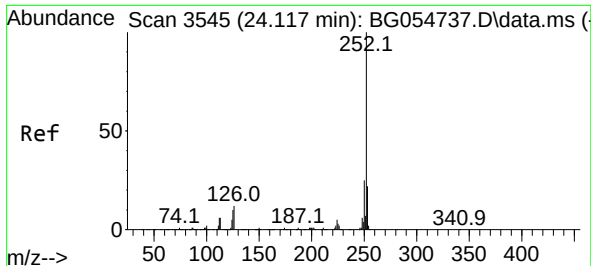
Lab File: BG054847.D

Acq: 2 Sep 2022 19:41

Tgt Ion:264 Resp: 243616

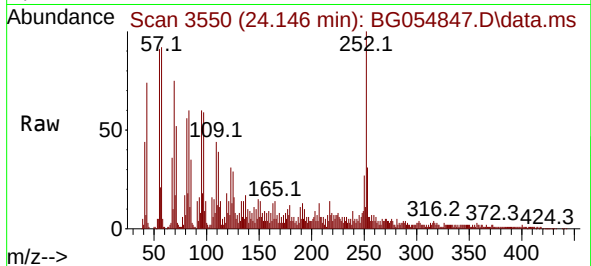
Ion	Ratio	Lower	Upper
264	100		
260	26.7	19.9	29.9
265	27.1	16.9	25.3





#88
Benzo(b)fluoranthene
Concen: 10.389 ng m
RT: 24.146 min Scan# 3550
Delta R.T. 0.029 min
Lab File: BG054847.D
Acq: 2 Sep 2022 19:41

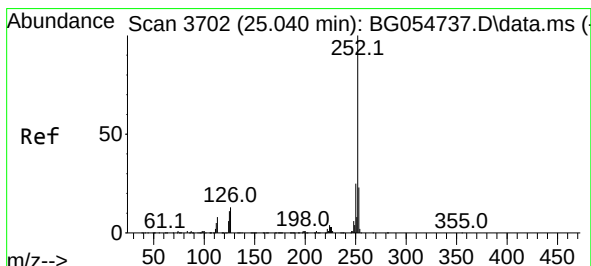
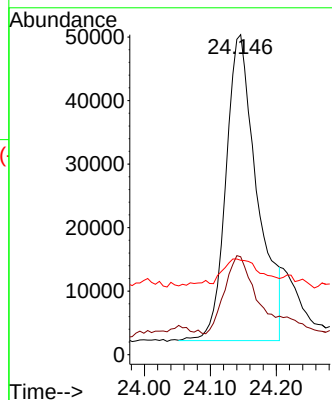
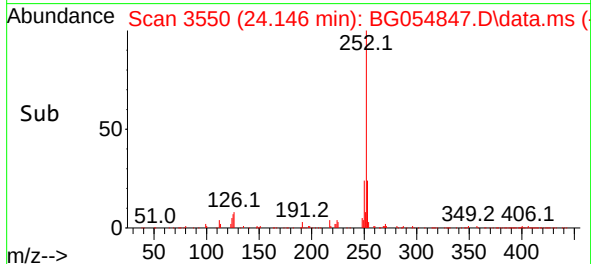
Instrument :
BNA_G
ClientSampleId :
WC-14-A-SP



Tgt Ion:252 Resp: 158774
Ion Ratio Lower Upper
252 100
253 30.6 18.0 27.0#
125 29.5 8.1 12.1#

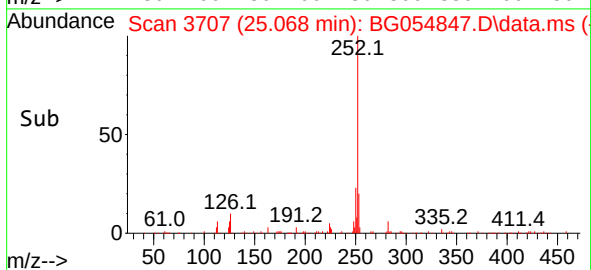
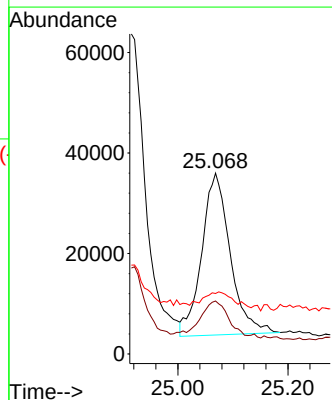
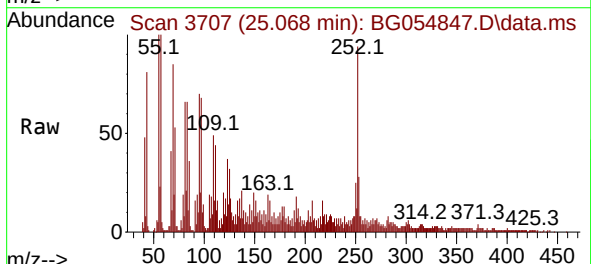
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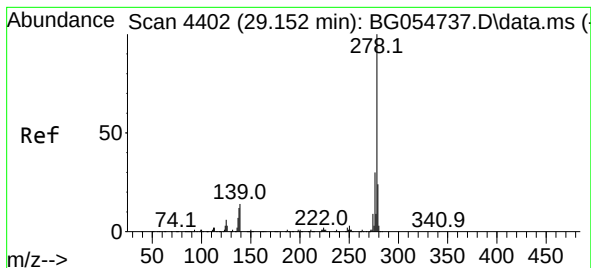
Reviewed By :Christian Giraldo 09/06/2022
Supervised By :Jagrut Upadhyay 09/06/2022



#90
Benzo(a)pyrene
Concen: 8.840 ng
RT: 25.068 min Scan# 3707
Delta R.T. 0.029 min
Lab File: BG054847.D
Acq: 2 Sep 2022 19:41

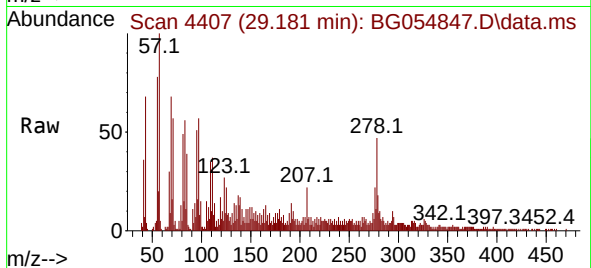
Tgt Ion:252 Resp: 115426
Ion Ratio Lower Upper
252 100
253 29.3 18.3 27.5#
125 33.4 8.8 13.2#





#91
 Dibenzo(a,h)anthracene
 Concen: 3.828 ng
 RT: 29.181 min Scan# 4407
 Delta R.T. 0.029 min
 Lab File: BG054847.D
 Acq: 2 Sep 2022 19:41

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



Tgt Ion:278 Resp: 57672
 Ion Ratio Lower Upper
 278 100
 139 36.3 11.4 17.2
 279 38.2 19.3 28.9

Manual Integrations
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Reviewed By :Christian Giraldo 09/06/2022
 Supervised By :Jagrut Upadhyay 09/06/2022

