

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052822\
 Data File : BG053756.D
 Acq On : 28 May 2022 18:31
 Operator : CG/JU
 Sample : N3080-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-4

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/29/2022
 Supervised By : Jagrut Upadhyay 05/31/2022

Quant Time: May 29 02:20:08 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun May 29 02:17:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.946	152	47038	20.000	ng	0.00
21) Naphthalene-d8	10.760	136	174157	20.000	ng	0.00
39) Acenaphthene-d10	14.590	164	127350	20.000	ng	0.00
64) Phenanthrene-d10	17.339	188	267426	20.000	ng	0.00
76) Chrysene-d12	21.598	240	225448	20.000	ng	#-0.01
86) Perylene-d12	24.776	264	240449	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	288453	104.074	ng	0.00
7) Phenol-d6	7.147	99	422553	100.456	ng	0.00
23) Nitrobenzene-d5	9.115	82	285716	69.836	ng	0.00
42) 2,4,6-Tribromophenol	16.088	330	154832	82.434	ng	0.00
45) 2-Fluorobiphenyl	13.209	172	588452	67.522	ng	0.00
79) Terphenyl-d14	19.947	244	812913	67.156	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.380	178	261478	19.229	ng	98
72) Anthracene	17.474	178	73639	5.510	ng	97
75) Fluoranthene	19.395	202	497815	28.274	ng	97
78) Pyrene	19.753	202	421018	28.848	ng	99
81) Benzo(a)anthracene	21.580	228	225447	15.678	ng	99
83) Chrysene	21.645	228	173470m	12.917	ng	
87) Indeno(1,2,3-cd)pyrene	28.418	276	131894	7.876	ng	# 92
88) Benzo(b)fluoranthene	23.777	252	272858	19.171	ng	# 98
89) Benzo(k)fluoranthene	23.830	252	79864m	5.710	ng	
90) Benzo(a)pyrene	24.629	252	194798	16.080	ng	# 94
91) Dibenzo(a,h)anthracene	28.448	278	36868	2.672	ng	# 73
92) Benzo(g,h,i)perylene	29.552	276	124748	9.120	ng	# 91

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

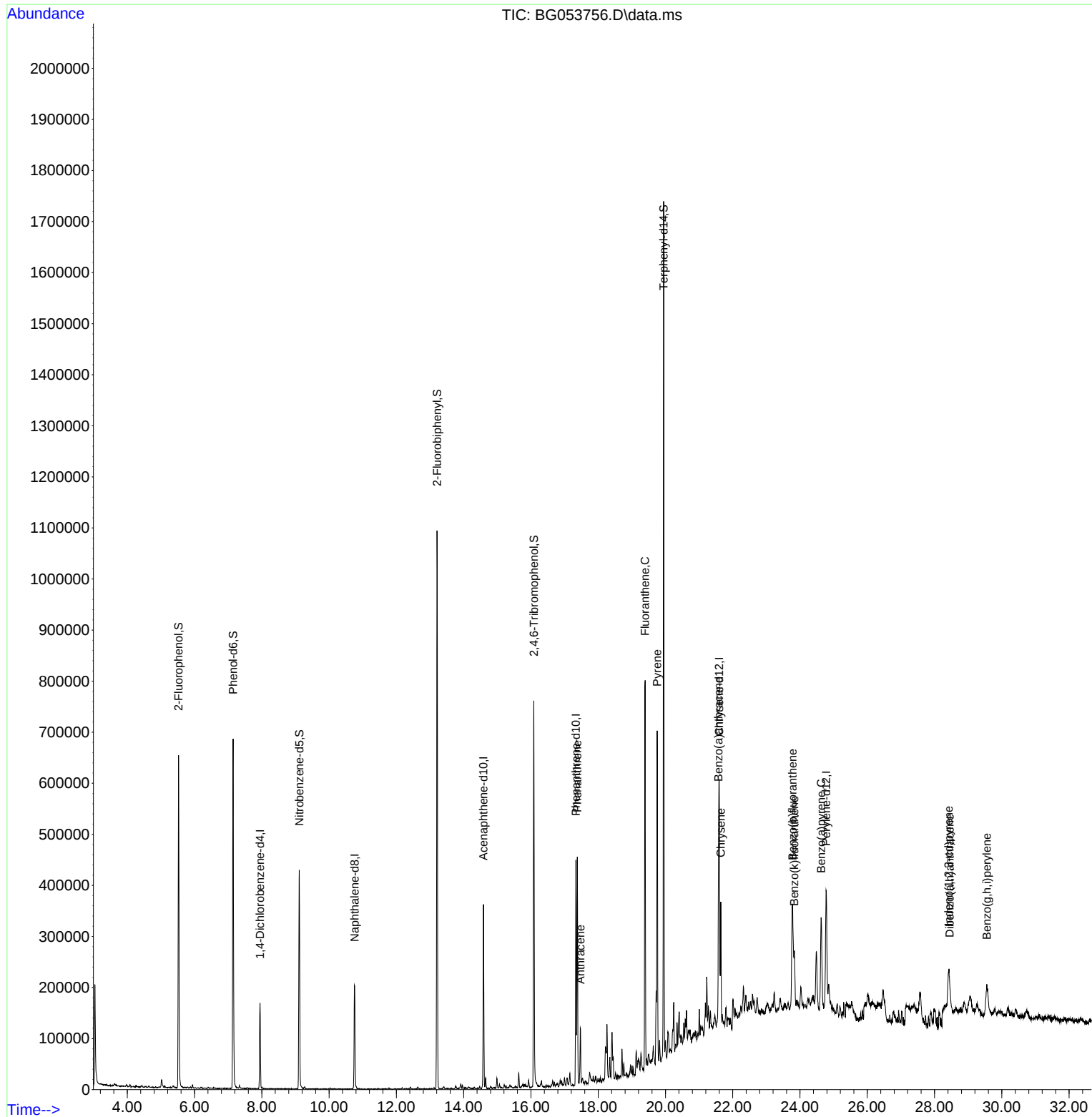
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052822\
Data File : BG053756.D
Acq On : 28 May 2022 18:31
Operator : CG/JU
Sample : N3080-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

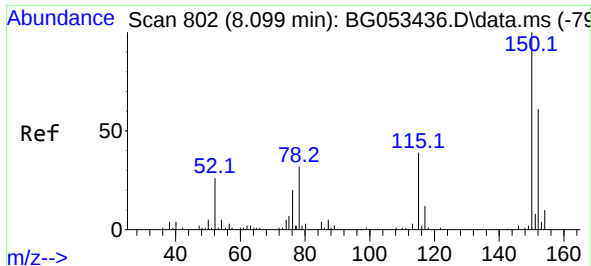
Instrument :
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Quant Time: May 29 02:20:08 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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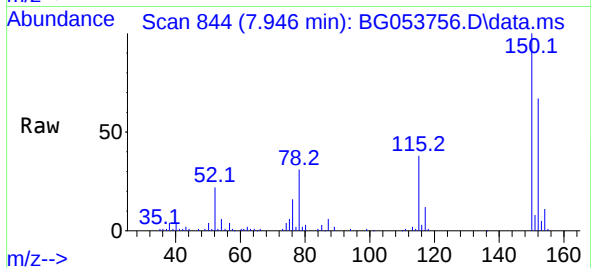
Reviewed By : Christian Giraldo 05/29/2022
Supervised By : Jagrut Upadhyay 05/31/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.946 min Scan# 84
Delta R.T. -0.005 min
Lab File: BG053756.D
Acq: 28 May 2022 18:31

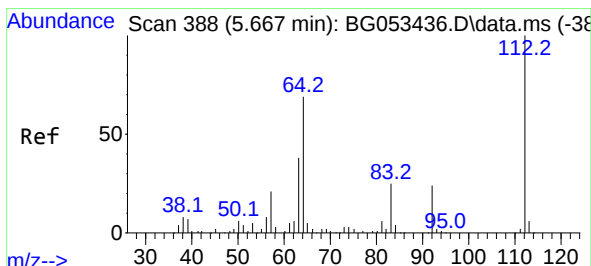
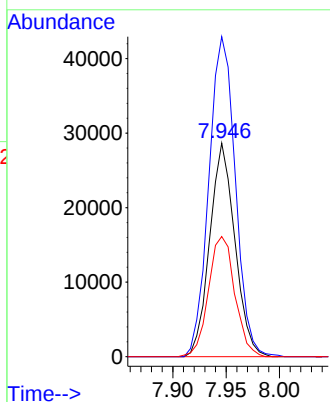
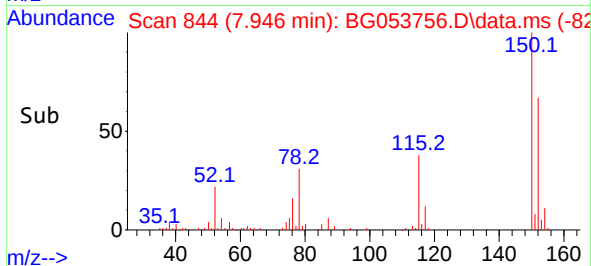
Instrument :
BNA_G
ClientSampleId :
WC-4



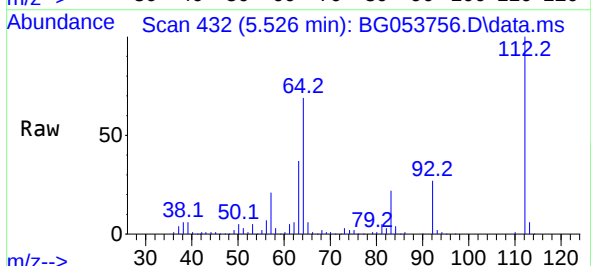
Tgt Ion:152 Resp: 47038
Ion Ratio Lower Upper
152 100
150 149.8 131.6 197.4
115 56.2 50.9 76.3

Manual Integrations
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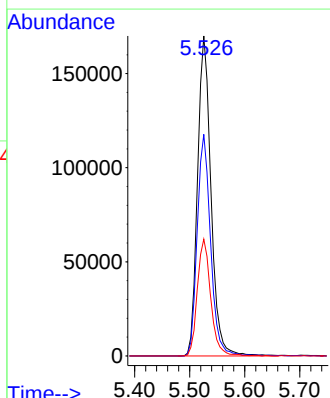
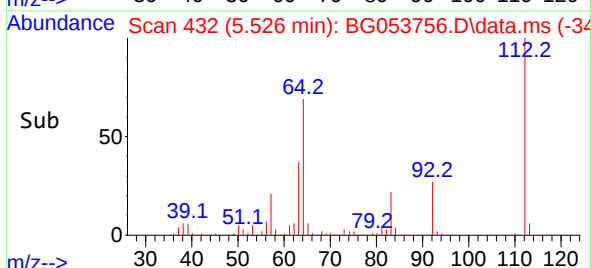
Reviewed By :Christian Giraldo 05/29/2022
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#5
2-Fluorophenol
Concen: 104.074 ng
RT: 5.526 min Scan# 432
Delta R.T. 0.000 min
Lab File: BG053756.D
Acq: 28 May 2022 18:31



Tgt Ion:112 Resp: 288453
Ion Ratio Lower Upper
112 100
64 69.3 55.1 82.7
63 36.5 30.4 45.6





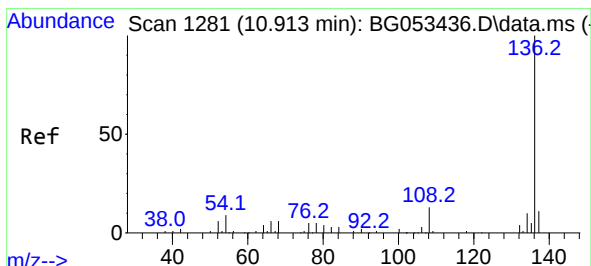
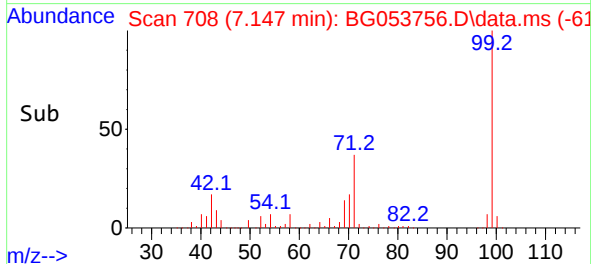
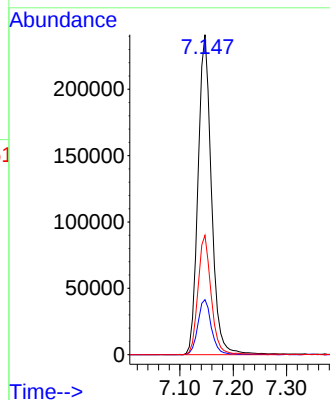
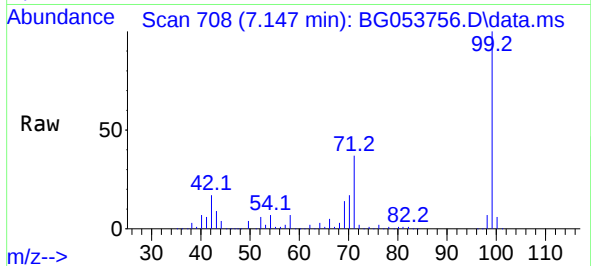
#7
Phenol-d6
Concen: 100.456 ng
RT: 7.147 min Scan# 70
Delta R.T. -0.005 min
Lab File: BG053756.D
Acq: 28 May 2022 18:31

Instrument :
BNA_G
ClientSampleId :
WC-4

Tgt Ion: 99 Resp: 42255
Ion Ratio Lower Upper
99 100
42 17.2 17.0 25.6
71 37.3 33.8 50.8

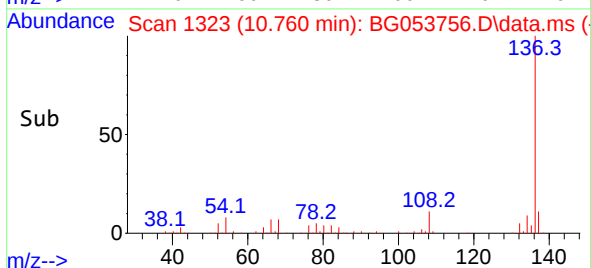
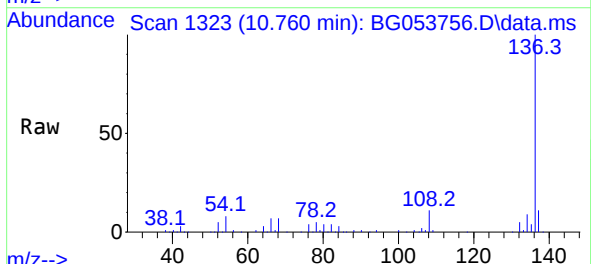
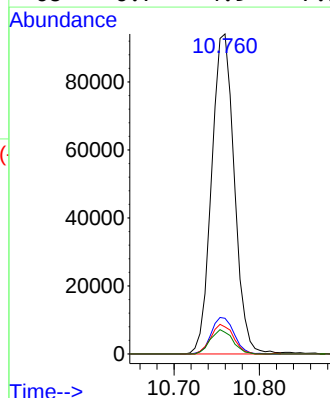
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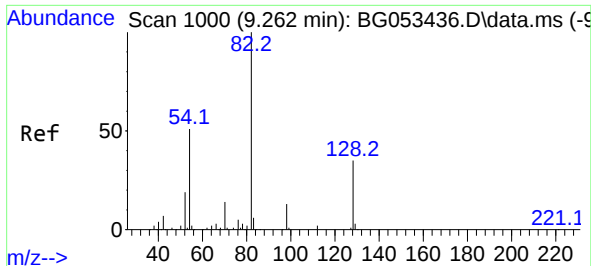
Reviewed By :Christian Giraldo 05/29/2022
Supervised By :Jagrut Upadhyay 05/31/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.760 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BG053756.D
Acq: 28 May 2022 18:31

Tgt Ion:136 Resp: 174157
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 8.4 7.4 11.2
68 6.7 4.9 7.3





#23

Nitrobenzene-d5

Concen: 69.836 ng

RT: 9.115 min Scan# 10

Delta R.T. -0.005 min

Lab File: BG053756.D

Acq: 28 May 2022 18:31

Instrument :

BNA_G

ClientSampleId :

WC-4

Tgt Ion: 82 Resp: 285710

Ion Ratio Lower Upper

82 100

128 37.0 27.9 41.9

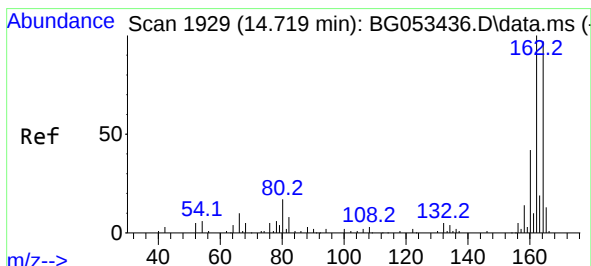
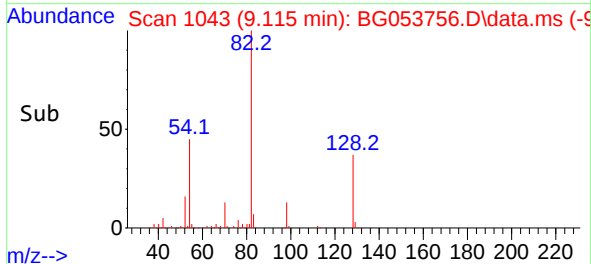
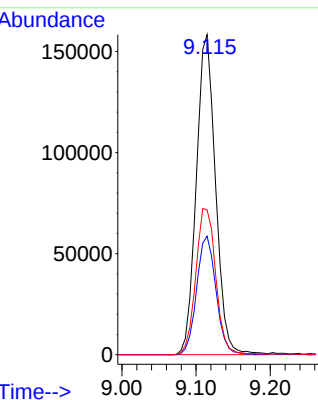
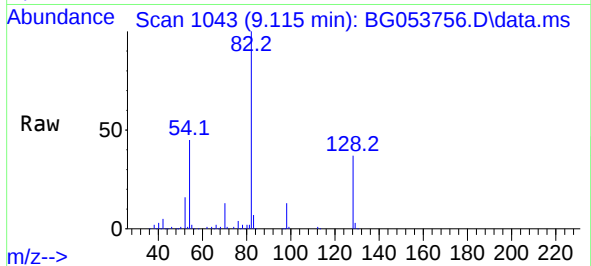
54 45.3 41.2 61.8

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.590 min Scan# 1975

Delta R.T. -0.005 min

Lab File: BG053756.D

Acq: 28 May 2022 18:31

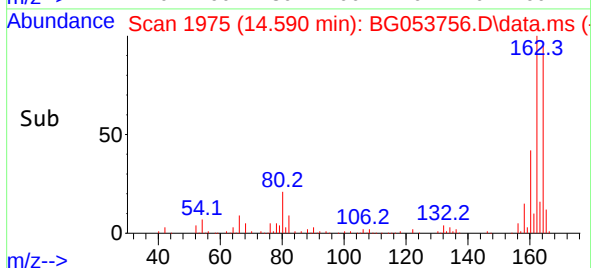
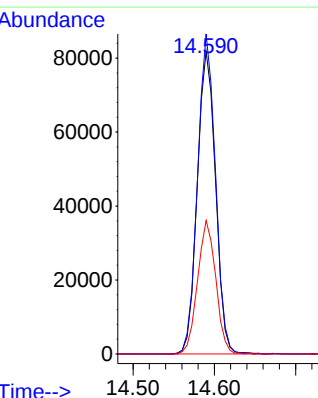
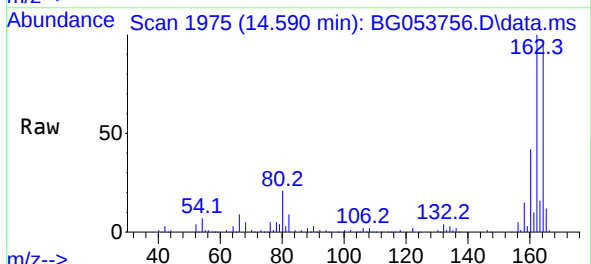
Tgt Ion:164 Resp: 127350

Ion Ratio Lower Upper

164 100

162 105.8 82.3 123.5

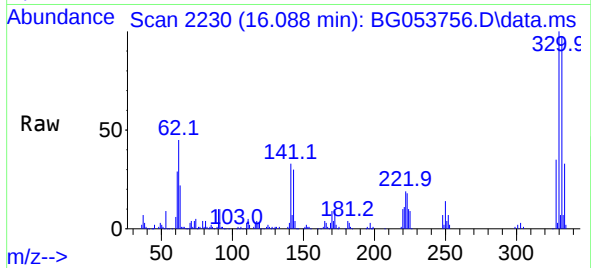
160 44.1 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 82.434 ng
RT: 16.088 min Scan# 2183
Delta R.T. -0.005 min
Lab File: BG053756.D
Acq: 28 May 2022 18:31

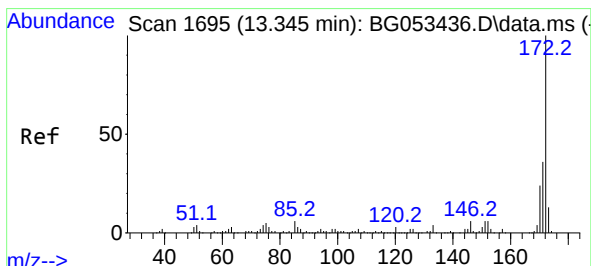
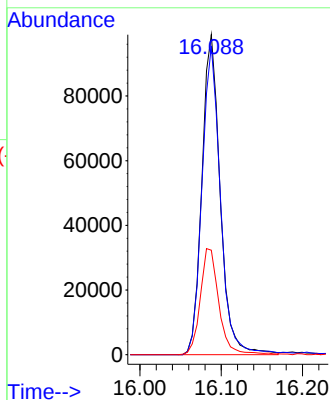
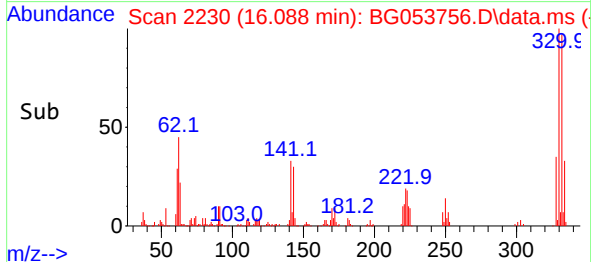
Instrument :
BNA_G
ClientSampleId :
WC-4



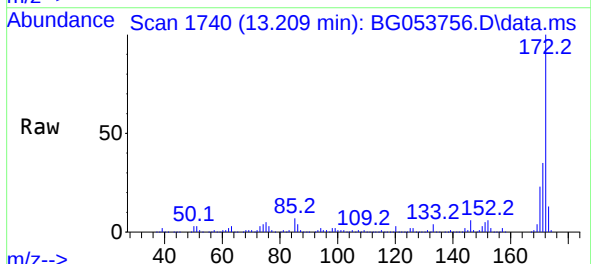
Tgt Ion:330 Resp: 15483
Ion Ratio Lower Upper
330 100
332 97.3 76.0 114.0
141 33.8 27.1 40.7

Manual Integrations
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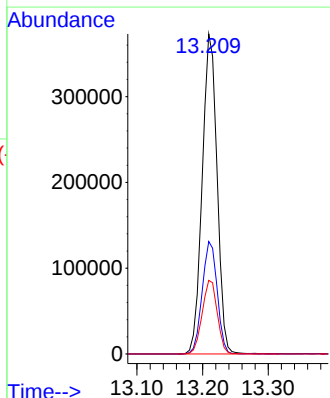
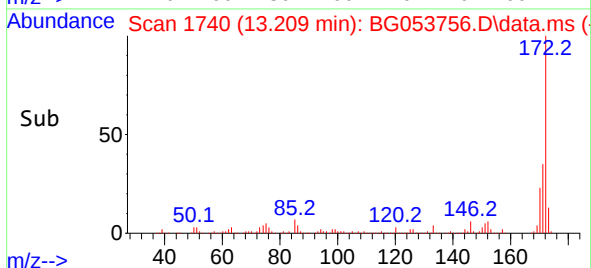
Reviewed By :Christian Giraldo 05/29/2022
Supervised By :Jagrut Upadhyay 05/31/2022

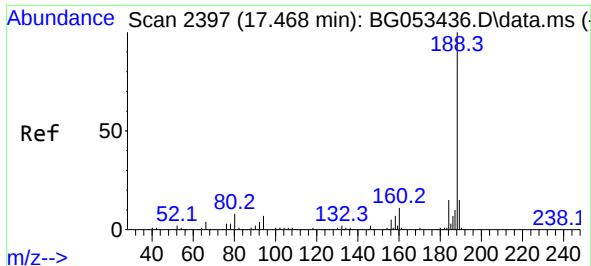


#45
2-Fluorobiphenyl
Concen: 67.522 ng
RT: 13.209 min Scan# 1740
Delta R.T. -0.005 min
Lab File: BG053756.D
Acq: 28 May 2022 18:31



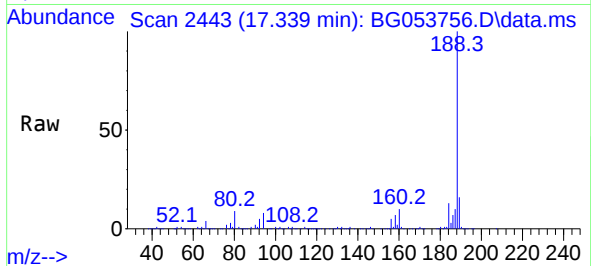
Tgt Ion:172 Resp: 588452
Ion Ratio Lower Upper
172 100
171 35.2 28.5 42.7
170 23.0 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.339 min Scan# 2443
Delta R.T. -0.005 min
Lab File: BG053756.D
Acq: 28 May 2022 18:31

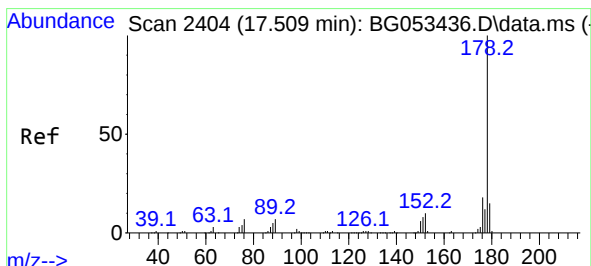
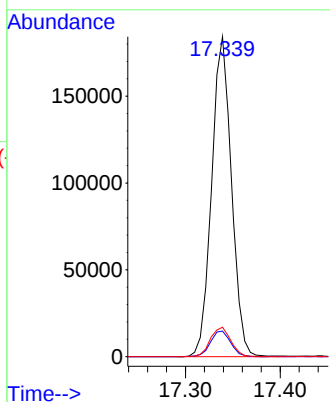
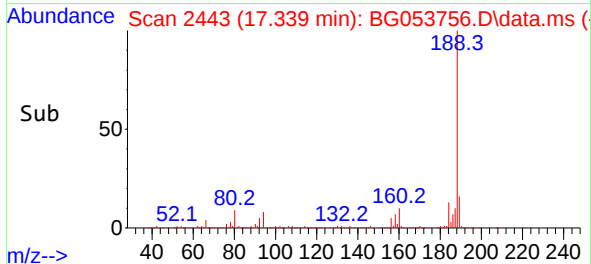
Instrument :
BNA_G
ClientSampleId :
WC-4



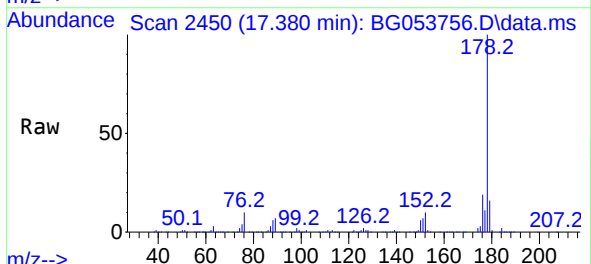
Tgt Ion:188 Resp: 267420
Ion Ratio Lower Upper
188 100
94 8.0 5.4 8.0
80 9.2 6.8 10.2

Manual Integrations
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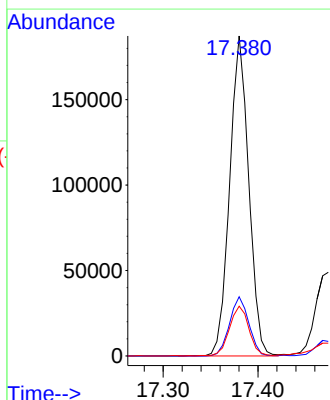
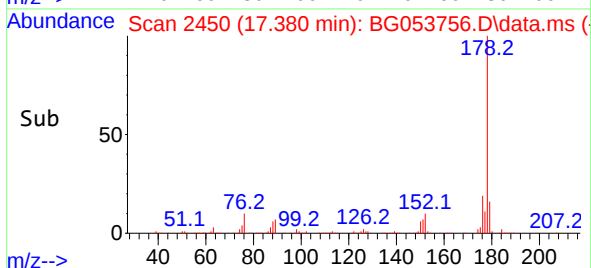
Reviewed By :Christian Giraldo 05/29/2022
Supervised By :Jagrut Upadhyay 05/31/2022

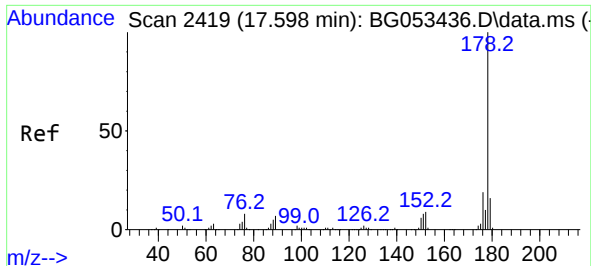


#71
Phenanthrene
Concen: 19.229 ng
RT: 17.380 min Scan# 2450
Delta R.T. -0.005 min
Lab File: BG053756.D
Acq: 28 May 2022 18:31



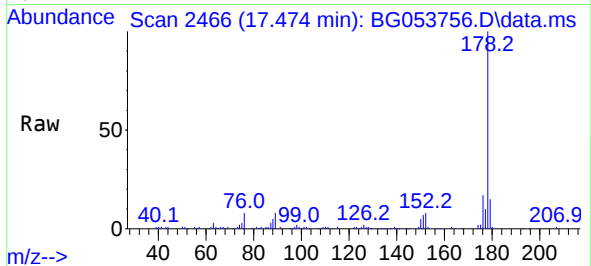
Tgt Ion:178 Resp: 261478
Ion Ratio Lower Upper
178 100
176 18.5 14.1 21.1
179 15.6 12.1 18.1





#72
 Anthracene
 Concen: 5.510 ng
 RT: 17.474 min Scan# 2419
 Delta R.T. 0.000 min
 Lab File: BG053756.D
 Acq: 28 May 2022 18:31

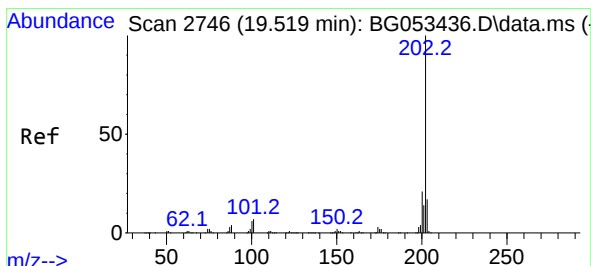
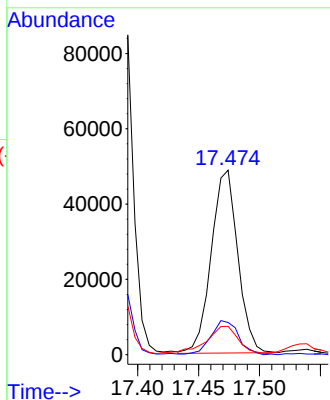
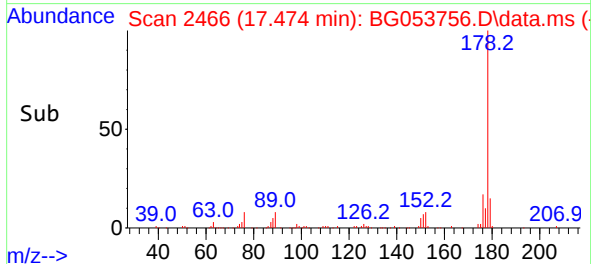
Instrument :
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 WC-4



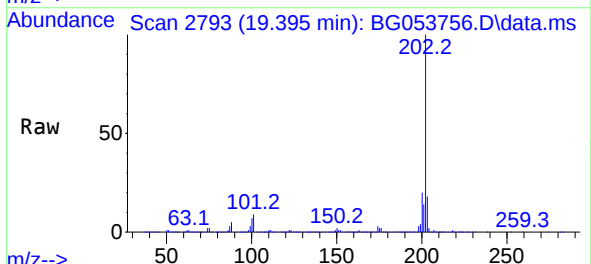
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 Ion Ratio Lower Upper
 178 100
 176 17.5 15.2 22.8
 179 15.4 13.0 19.4

Manual Integrations
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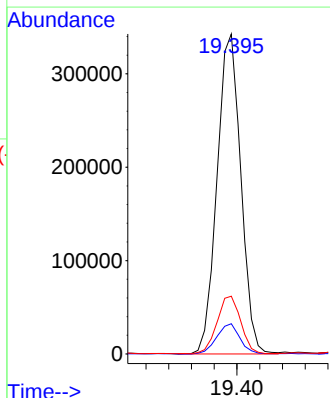
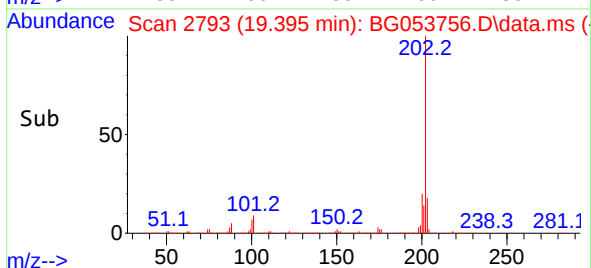
Reviewed By :Christian Giraldo 05/29/2022
 Supervised By :Jagrut Upadhyay 05/31/2022

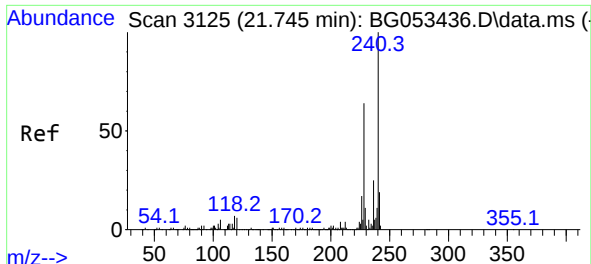


#75
 Fluoranthene
 Concen: 28.274 ng
 RT: 19.395 min Scan# 2793
 Delta R.T. 0.000 min
 Lab File: BG053756.D
 Acq: 28 May 2022 18:31



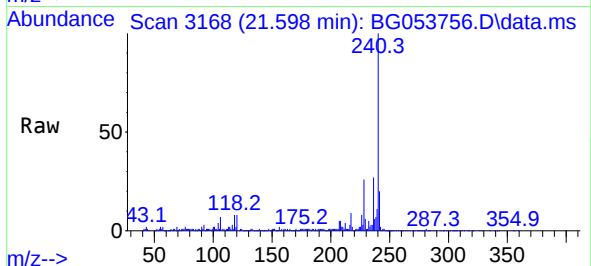
Tgt Ion:202 Resp: 497815
 Ion Ratio Lower Upper
 202 100
 101 9.4 0.0 26.9
 203 18.0 0.0 37.2





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.598 min Scan# 3125
Delta R.T. -0.011 min
Lab File: BG053756.D
Acq: 28 May 2022 18:31

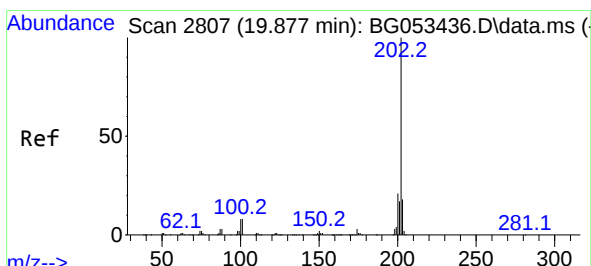
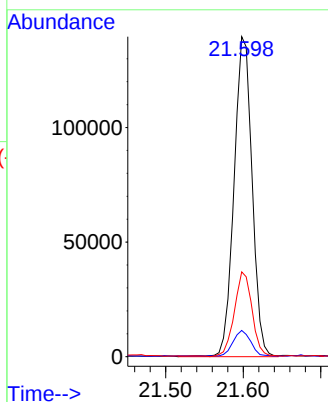
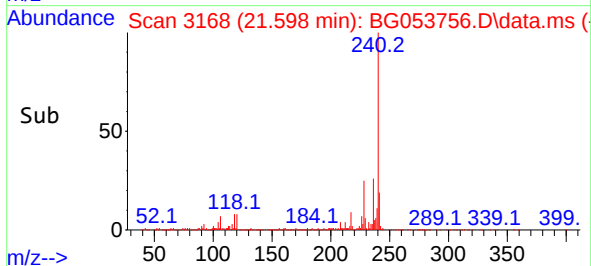
Instrument :
BNA_G
ClientSampleId :
WC-4



Tgt Ion:240 Resp: 225448
Ion Ratio Lower Upper
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120 8.2 4.6 7.0
236 26.5 20.2 30.4

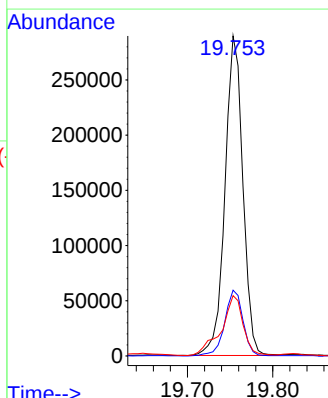
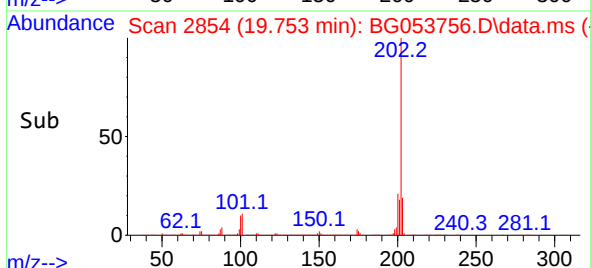
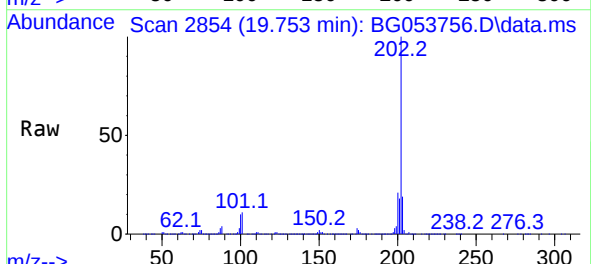
Manual Integrations
APPROVED

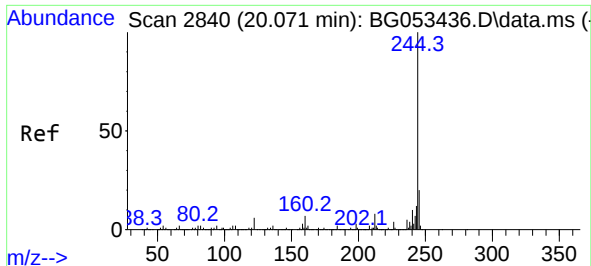
Reviewed By :Christian Giraldo 05/29/2022
Supervised By :Jagrut Upadhyay 05/31/2022



#78
Pyrene
Concen: 28.848 ng
RT: 19.753 min Scan# 2854
Delta R.T. -0.005 min
Lab File: BG053756.D
Acq: 28 May 2022 18:31

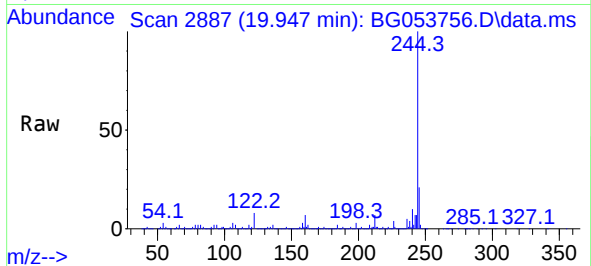
Tgt Ion:202 Resp: 421018
Ion Ratio Lower Upper
202 100
200 20.5 16.6 24.8
203 18.9 14.6 21.8





#79
Terphenyl-d14
Concen: 67.156 ng
RT: 19.947 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG053756.D
Acq: 28 May 2022 18:31

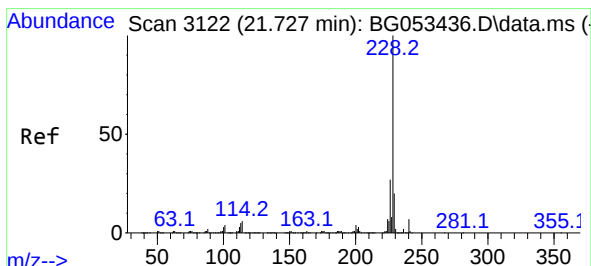
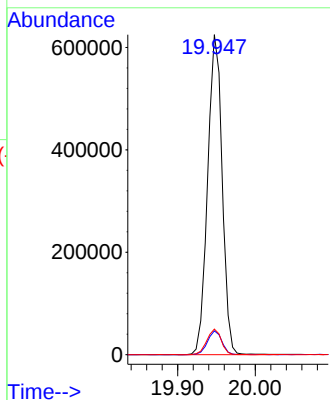
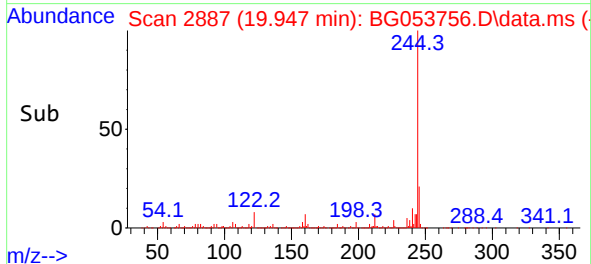
Instrument :
BNA_G
ClientSampleId :
WC-4



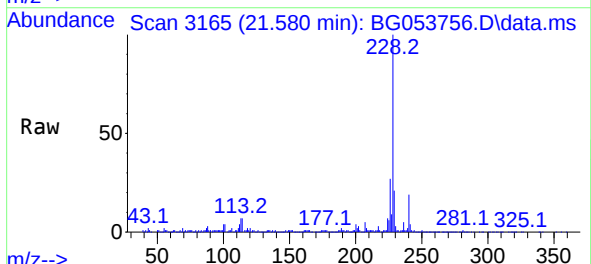
Tgt Ion:244 Resp: 81291
Ion Ratio Lower Upper
244 100
212 7.4 6.5 9.7
122 8.0 5.0 7.4

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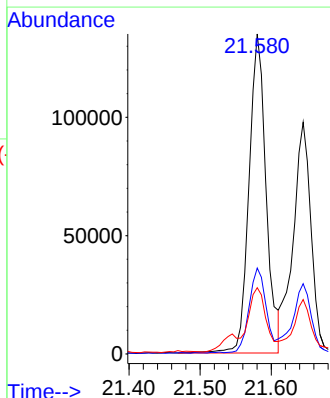
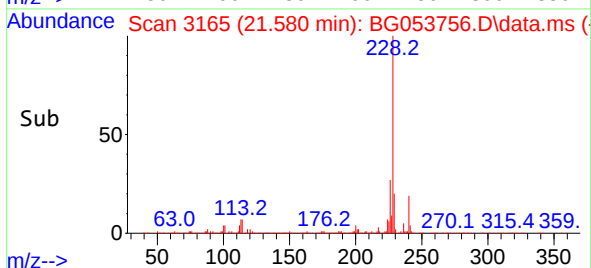
Reviewed By :Christian Giraldo 05/29/2022
Supervised By :Jagrut Upadhyay 05/31/2022

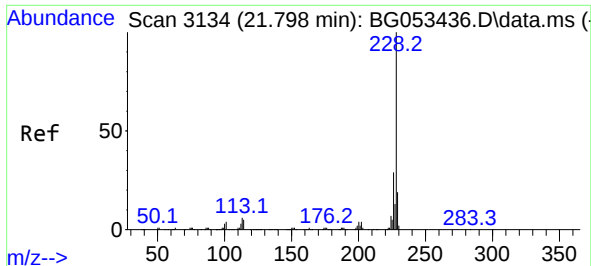


#81
Benzo(a)anthracene
Concen: 15.678 ng
RT: 21.580 min Scan# 3165
Delta R.T. -0.005 min
Lab File: BG053756.D
Acq: 28 May 2022 18:31



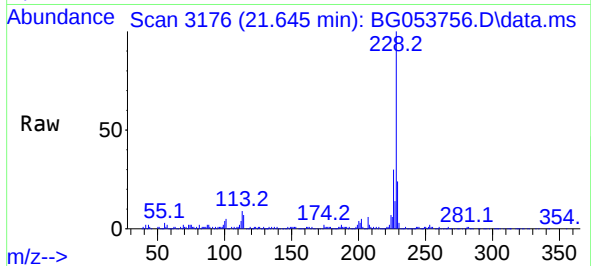
Tgt Ion:228 Resp: 225447
Ion Ratio Lower Upper
228 100
226 26.9 21.6 32.4
229 20.7 16.2 24.2





#83
Chrysene
Concen: 12.917 ng m
RT: 21.645 min Scan# 3134
Delta R.T. -0.005 min
Lab File: BG053756.D
Acq: 28 May 2022 18:31

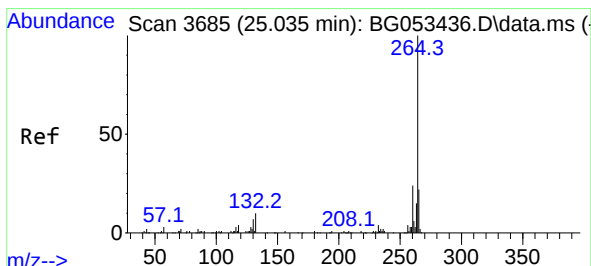
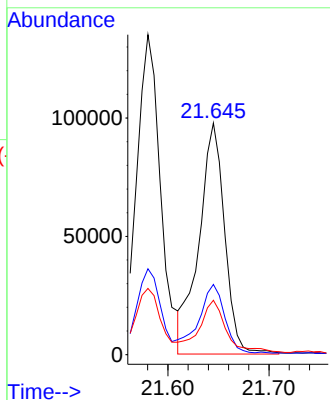
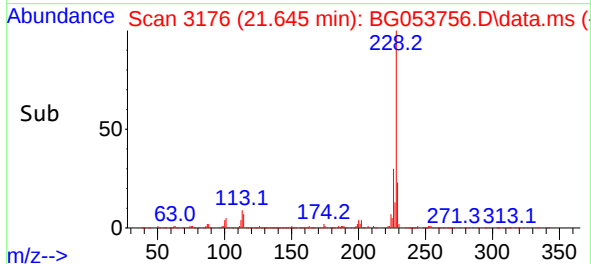
Instrument :
BNA_G
ClientSampleId :
WC-4



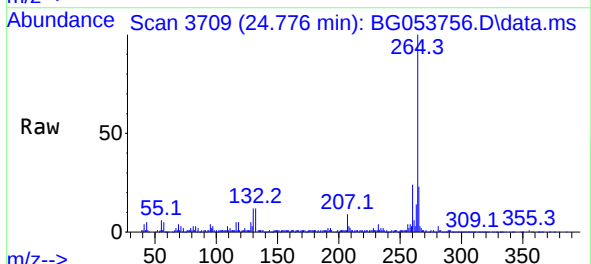
Tgt Ion:228 Resp: 173470
Ion Ratio Lower Upper
228 100
226 30.3 23.4 35.2
229 23.5 15.5 23.3

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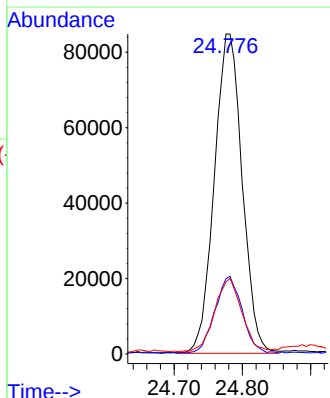
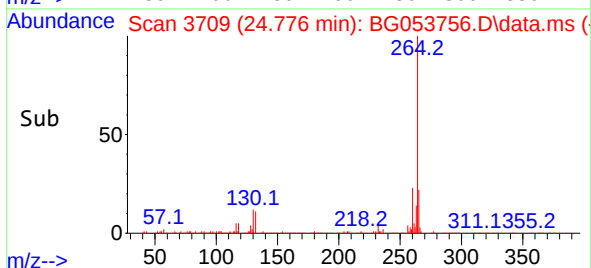
Reviewed By :Christian Giraldo 05/29/2022
Supervised By :Jagrut Upadhyay 05/31/2022

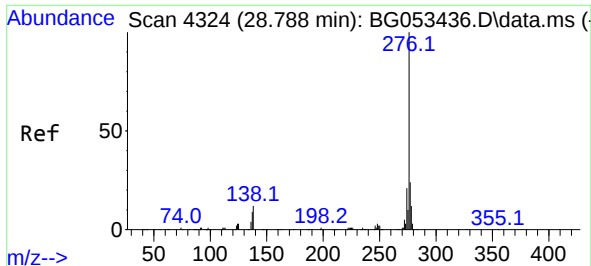


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.776 min Scan# 3709
Delta R.T. -0.011 min
Lab File: BG053756.D
Acq: 28 May 2022 18:31



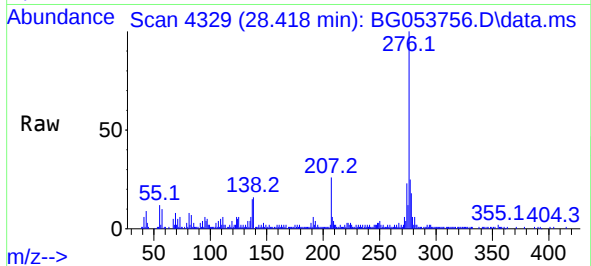
Tgt Ion:264 Resp: 240449
Ion Ratio Lower Upper
264 100
260 23.5 19.0 28.6
265 22.6 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 7.876 ng
RT: 28.418 min Scan# 41
Delta R.T. -0.017 min
Lab File: BG053756.D
Acq: 28 May 2022 18:31

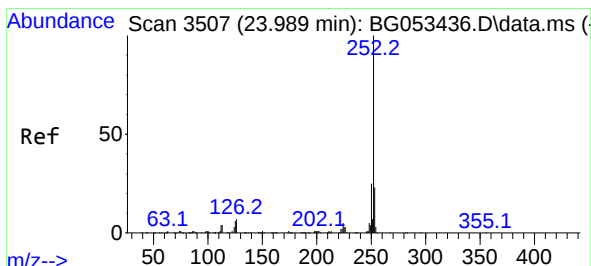
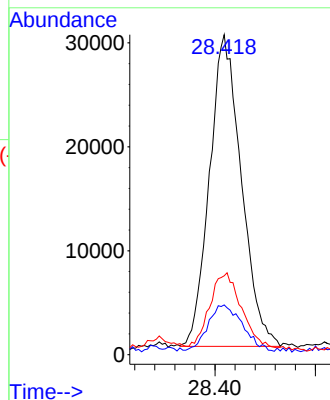
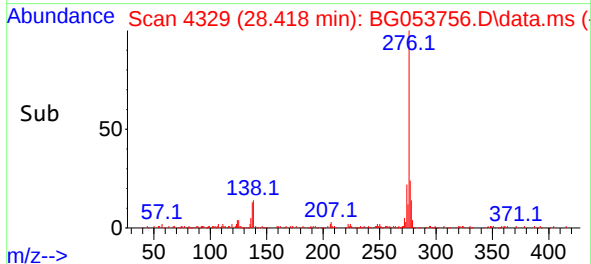
Instrument :
BNA_G
ClientSampleId :
WC-4



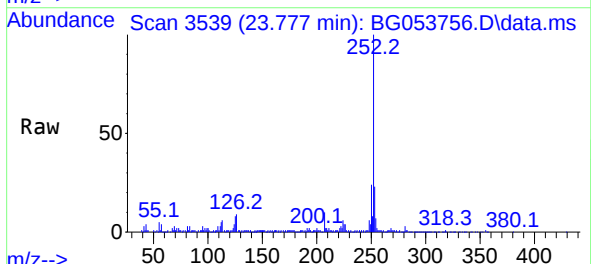
Tgt Ion:276 Resp: 131894
Ion Ratio Lower Upper
276 100
138 16.3 5.0 7.4
277 24.0 20.3 30.5

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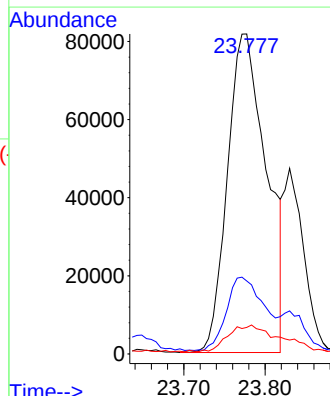
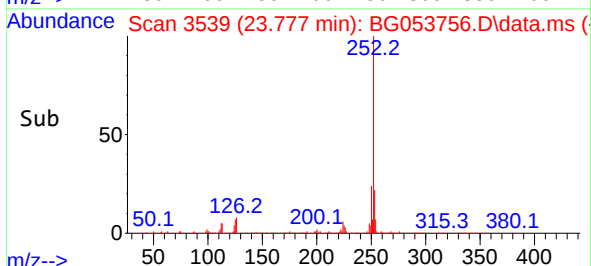
Reviewed By :Christian Giraldo 05/29/2022
Supervised By :Jagrut Upadhyay 05/31/2022

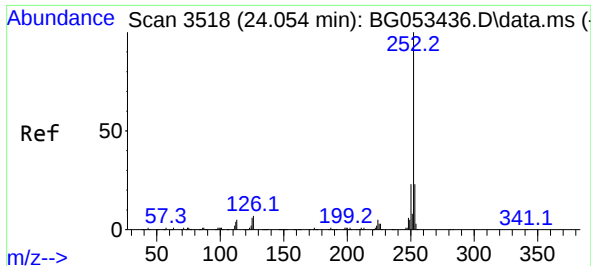


#88
Benzo(b)fluoranthene
Concen: 19.171 ng
RT: 23.777 min Scan# 3539
Delta R.T. 0.000 min
Lab File: BG053756.D
Acq: 28 May 2022 18:31



Tgt Ion:252 Resp: 272858
Ion Ratio Lower Upper
252 100
253 22.8 18.0 27.0
125 8.3 4.6 6.8





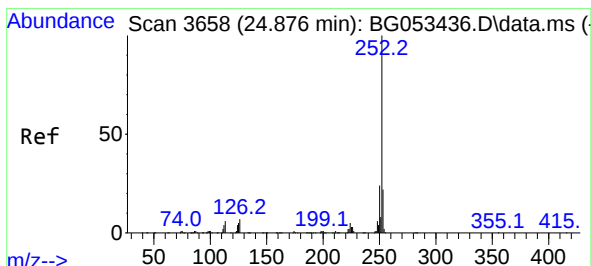
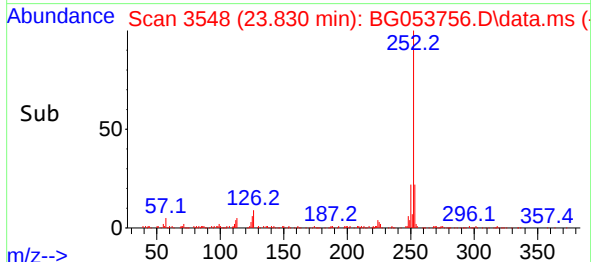
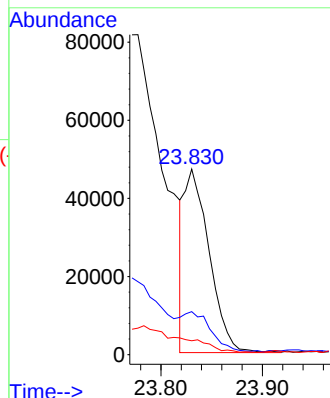
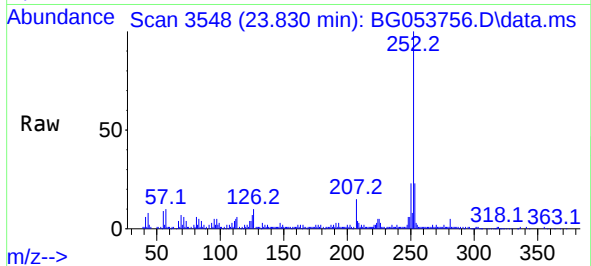
#89
Benzo(k)fluoranthene
Concen: 5.710 ng m
RT: 23.830 min Scan# 31
Delta R.T. -0.011 min
Lab File: BG053756.D
Acq: 28 May 2022 18:31

Instrument :
BNA_G
ClientSampleId :
WC-4

Tgt Ion:252 Resp: 79864
Ion Ratio Lower Upper
252 100
253 23.2 18.4 27.6
125 7.5 4.8 7.2

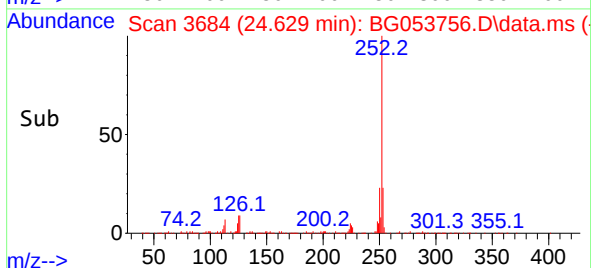
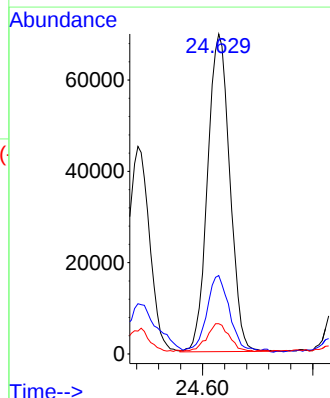
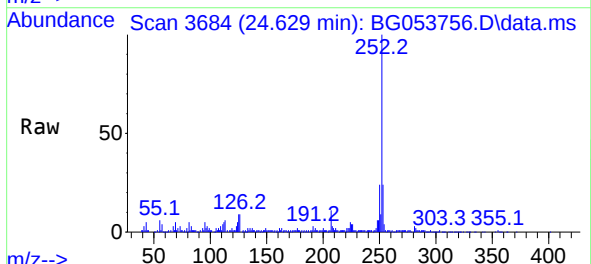
Manual Integrations
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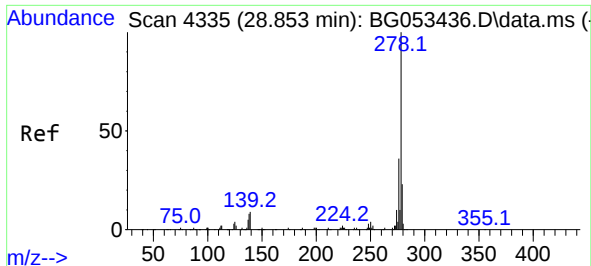
Reviewed By :Christian Giraldo 05/29/2022
Supervised By :Jagrut Upadhyay 05/31/2022



#90
Benzo(a)pyrene
Concen: 16.080 ng
RT: 24.629 min Scan# 3684
Delta R.T. -0.011 min
Lab File: BG053756.D
Acq: 28 May 2022 18:31

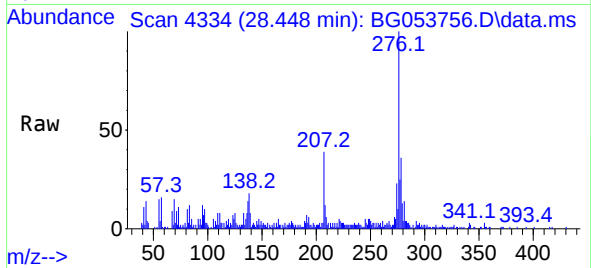
Tgt Ion:252 Resp: 194798
Ion Ratio Lower Upper
252 100
253 24.5 17.8 26.8
125 9.5 4.3 6.5





#91
Dibenzo(a,h)anthracene
Concen: 2.672 ng
RT: 28.448 min Scan# 41
Delta R.T. -0.035 min
Lab File: BG053756.D
Acq: 28 May 2022 18:31

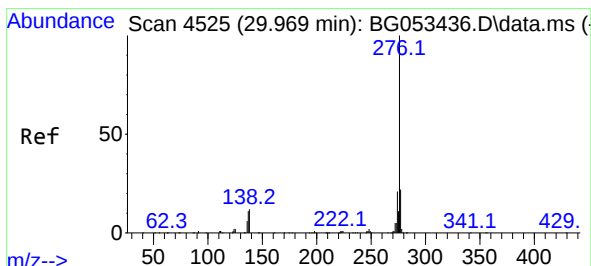
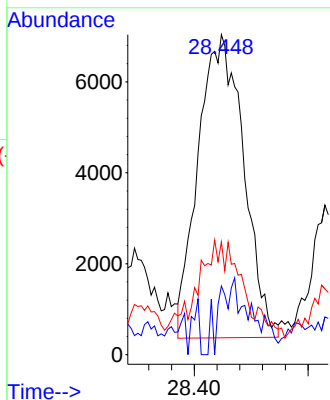
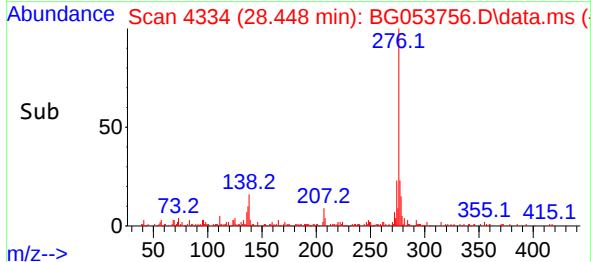
Instrument :
BNA_G
ClientSampleId :
WC-4



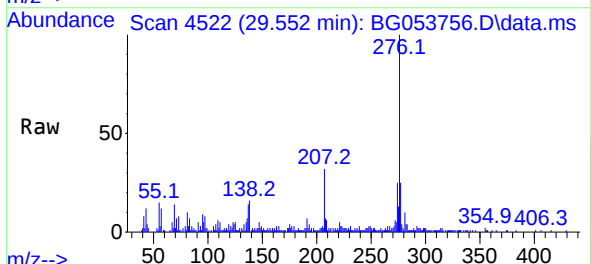
Tgt Ion:278 Resp: 3686
Ion Ratio Lower Upper
278 100
139 21.4 7.2 10.8
279 35.2 18.6 27.8

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/29/2022
Supervised By :Jagrut Upadhyay 05/31/2022



#92
Benzo(g,h,i)perylene
Concen: 9.120 ng
RT: 29.552 min Scan# 4522
Delta R.T. -0.017 min
Lab File: BG053756.D
Acq: 28 May 2022 18:31



Tgt Ion:276 Resp: 124748
Ion Ratio Lower Upper
276 100
277 25.2 17.3 25.9
138 16.3 9.6 14.4

