

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052722\
 Data File : BG053743.D
 Acq On : 27 May 2022 21:33
 Operator : CG/JU
 Sample : N3070-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 IG1

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/28/2022
 Supervised By : Jagrut Upadhyay 05/31/2022

Quant Time: May 28 02:00:54 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 15:11:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.952	152	27808	20.00	ng	-0.03
21) Naphthalene-d8	10.765	136	112614	20.00	ng	-0.03
39) Acenaphthene-d10	14.596	164	83028	20.00	ng	-0.03
64) Phenanthrene-d10	17.345	188	166062	20.00	ng	-0.03
76) Chrysene-d12	21.604	240	147502	20.00	ng	-0.03
86) Perylene-d12	24.794	264	152394	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.537	112	163654	99.88	ng	-0.02
7) Phenol-d6	7.159	99	257346	103.49	ng	0.00
23) Nitrobenzene-d5	9.121	82	179279	67.77	ng	-0.03
42) 2,4,6-Tribromophenol	16.094	330	113991	93.09	ng	-0.02
45) 2-Fluorobiphenyl	13.215	172	384677	67.70	ng	-0.03
79) Terphenyl-d14	19.953	244	527152	66.56	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	17.386	178	141021	16.70	ng	99
72) Anthracene	17.480	178	24926	3.00	ng	96
75) Fluoranthene	19.401	202	275122	25.16	ng	99
78) Pyrene	19.759	202	262353	27.48	ng	98
81) Benzo(a)anthracene	21.586	228	121067	12.87	ng	98
83) Chrysene	21.651	228	122394	13.93	ng	95
87) Indeno(1,2,3-cd)pyrene	28.442	276	73251	6.90	ng	97
88) Benzo(b)fluoranthene	23.783	252	151191	16.76	ng	99
89) Benzo(k)fluoranthene	23.842	252	50827m	5.73	ng	
90) Benzo(a)pyrene	24.641	252	115922	15.10	ng	# 97
92) Benzo(g,h,i)perylene	29.575	276	75470	8.71	ng	# 93

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

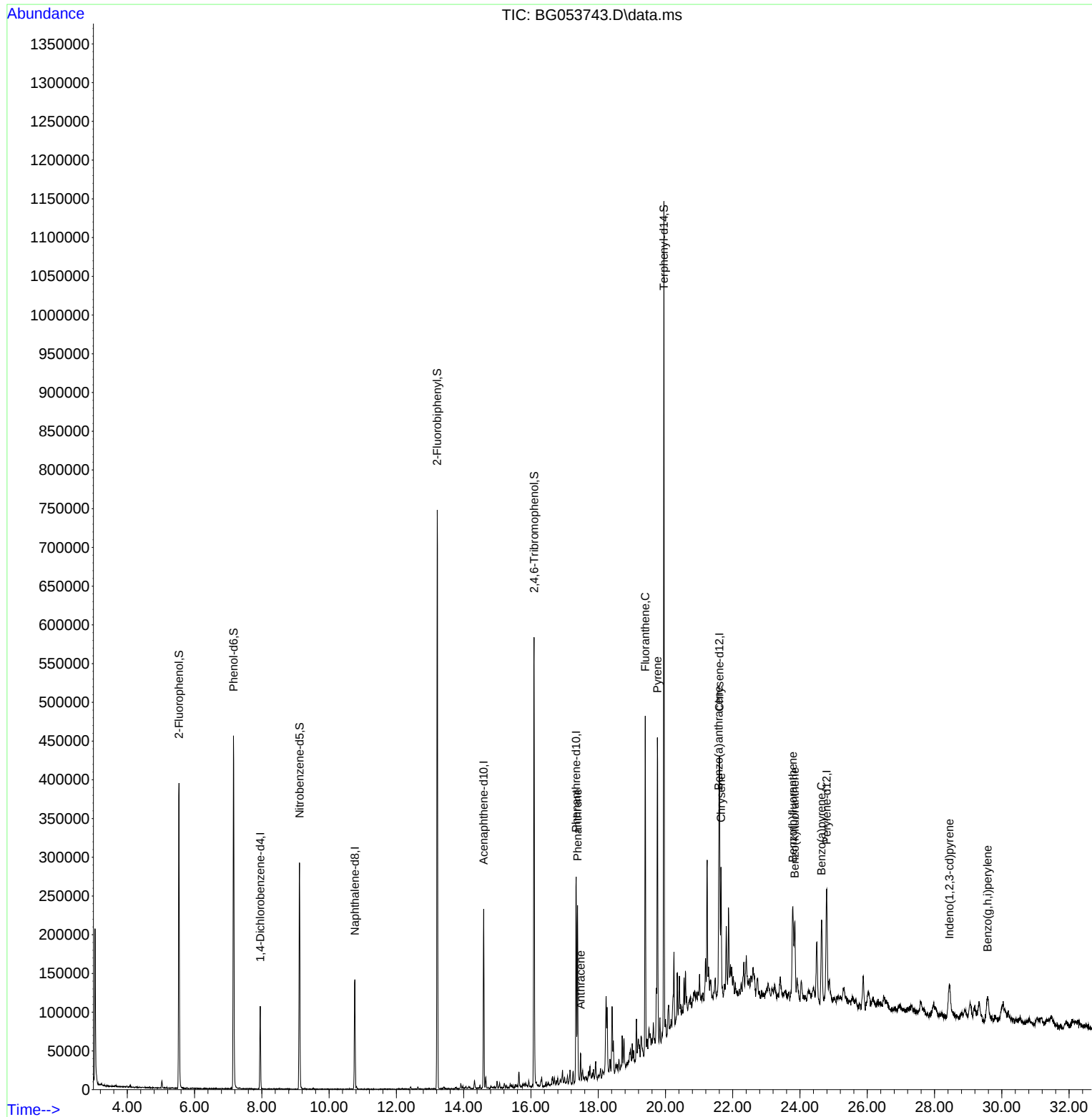
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052722\
Data File : BG053743.D
Acq On : 27 May 2022 21:33
Operator : CG/JU
Sample : N3070-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

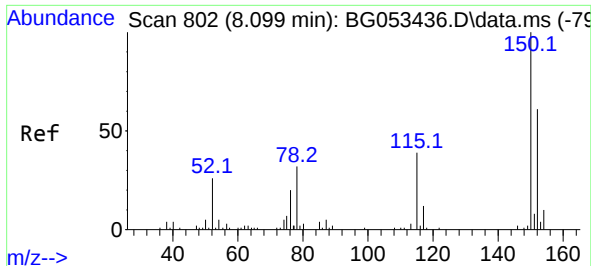
Instrument :
BNA_G
ClientSampleId :
IG1

Quant Time: May 28 02:00:54 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 25 15:11:41 2022
Response via : Initial Calibration

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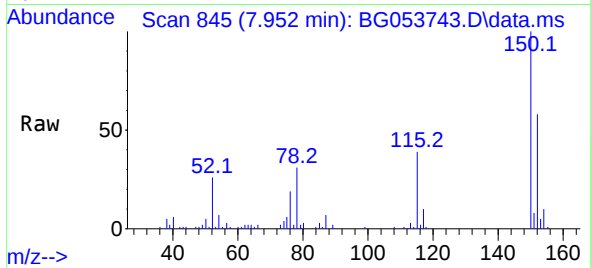
Reviewed By : Christian Giraldo 05/28/2022
Supervised By : Jagrut Upadhyay 05/31/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.952 min Scan# 84
Delta R.T. -0.034 min
Lab File: BG053743.D
Acq: 27 May 2022 21:33

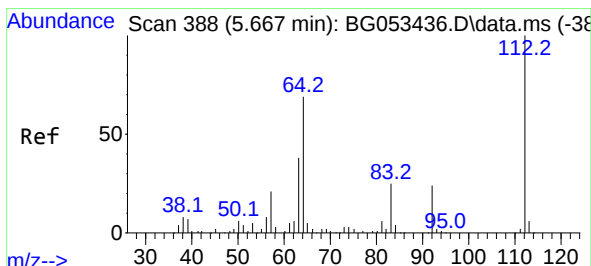
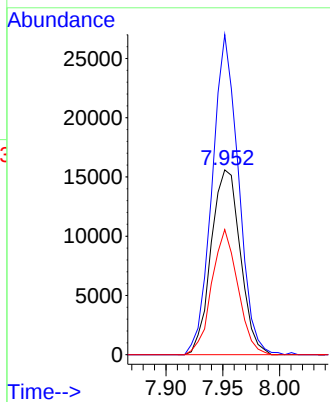
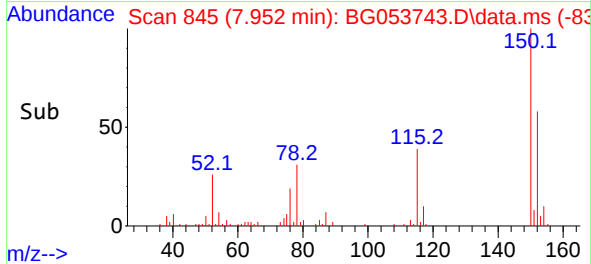
Instrument :
BNA_G
ClientSampleId :
IG1



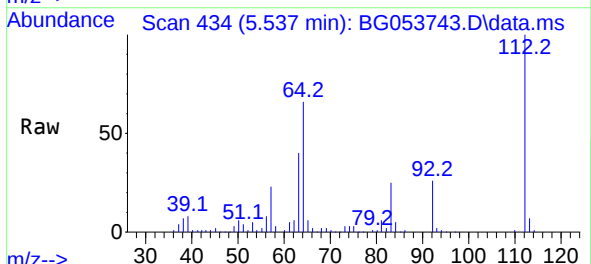
Tgt Ion:152 Resp: 27808
Ion Ratio Lower Upper
152 100
150 173.2 131.6 197.4
115 67.7 50.9 76.3

Manual Integrations
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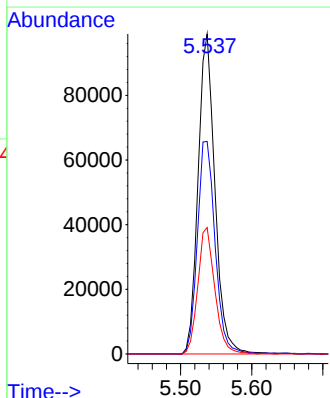
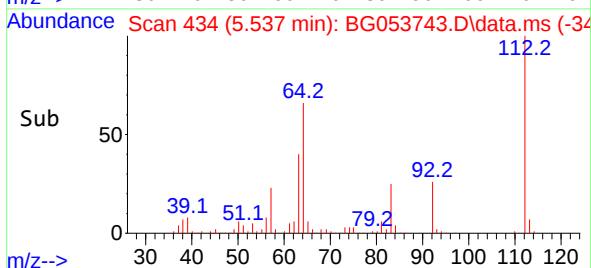
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022



#5
2-Fluorophenol
Concen: 99.88 ng
RT: 5.537 min Scan# 434
Delta R.T. -0.017 min
Lab File: BG053743.D
Acq: 27 May 2022 21:33



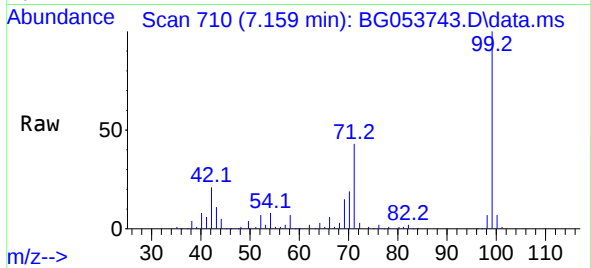
Tgt Ion:112 Resp: 163654
Ion Ratio Lower Upper
112 100
64 66.4 55.1 82.7
63 39.5 30.4 45.6





#7
Phenol-d6
Concen: 103.49 ng
RT: 7.159 min Scan# 71
Delta R.T. -0.005 min
Lab File: BG053743.D
Acq: 27 May 2022 21:33

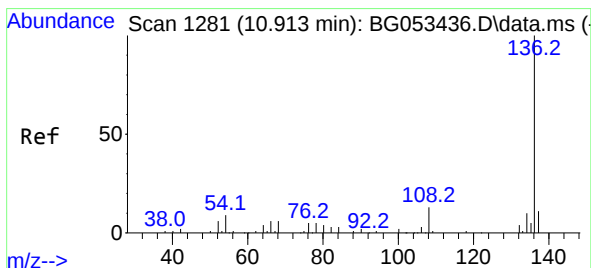
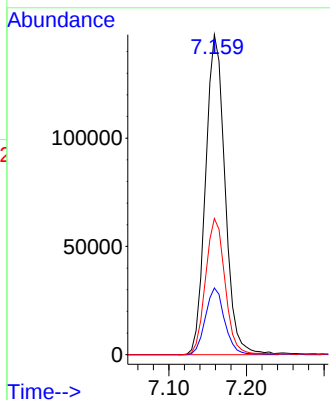
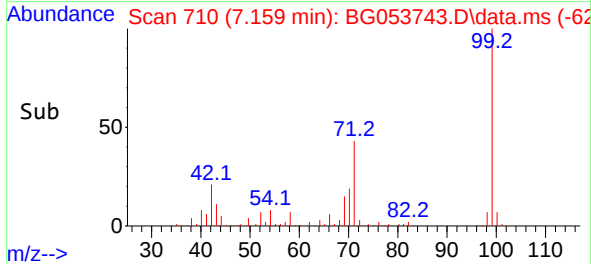
Instrument :
BNA_G
ClientSampleId :
IG1



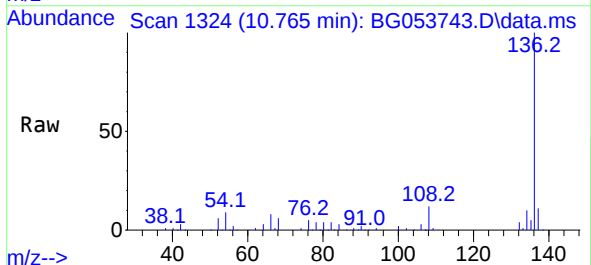
Tgt Ion: 99 Resp: 257340
Ion Ratio Lower Upper
99 100
42 20.8 17.0 25.6
71 42.5 33.8 50.8

Manual Integrations
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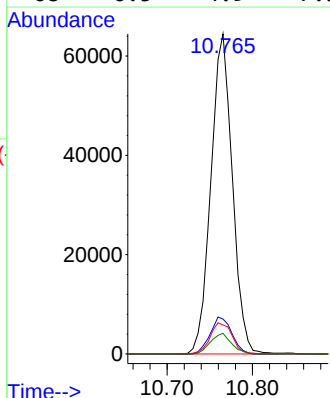
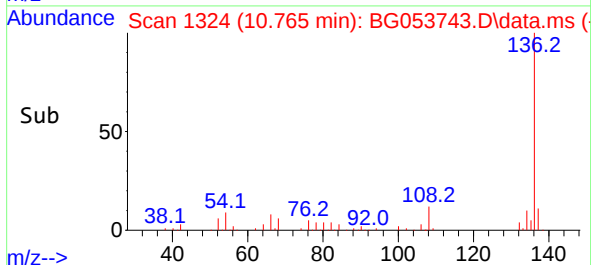
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.765 min Scan# 1324
Delta R.T. -0.035 min
Lab File: BG053743.D
Acq: 27 May 2022 21:33



Tgt Ion:136 Resp: 112614
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 9.0 7.4 11.2
68 6.5 4.9 7.3





#23

Nitrobenzene-d5

Concen: 67.77 ng

RT: 9.121 min Scan# 1044

Delta R.T. -0.035 min

Lab File: BG053743.D

Acq: 27 May 2022 21:33

Instrument :

BNA_G

ClientSampleId :

IG1

Tgt Ion: 82 Resp: 179279

Ion Ratio Lower Upper

82 100

128 37.0 27.9 41.9

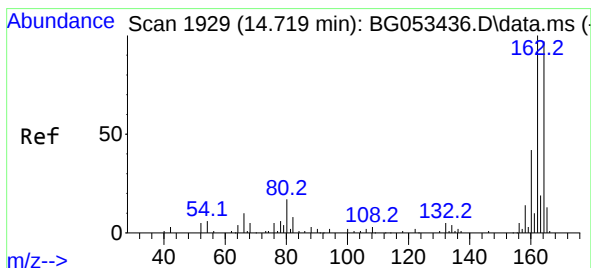
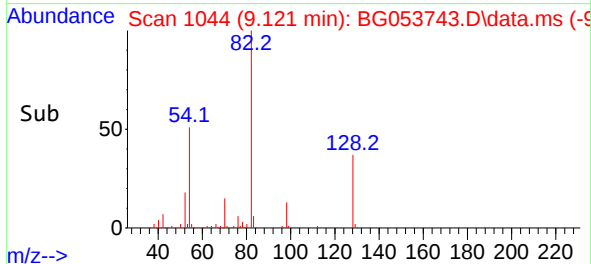
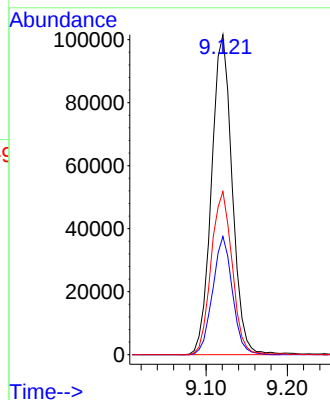
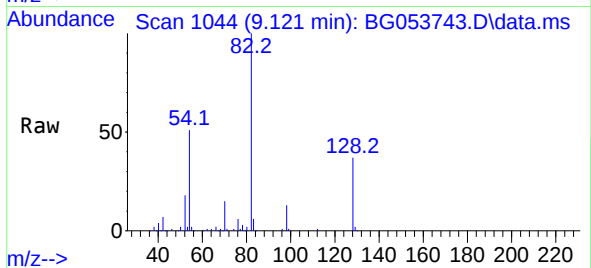
54 51.0 41.2 61.8

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.596 min Scan# 1976

Delta R.T. -0.029 min

Lab File: BG053743.D

Acq: 27 May 2022 21:33

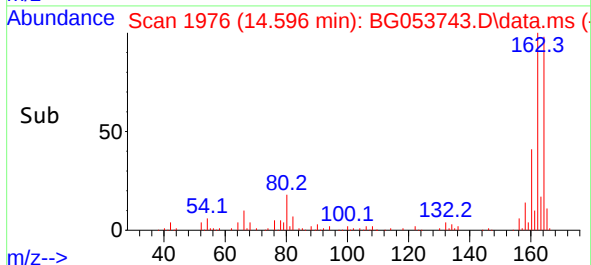
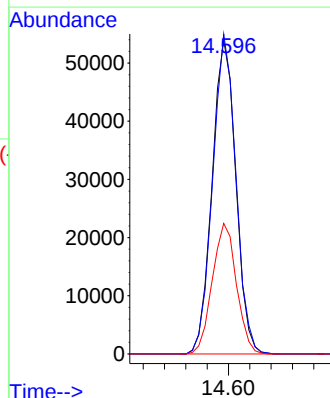
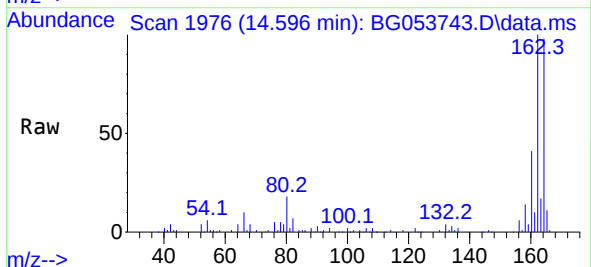
Tgt Ion:164 Resp: 83028

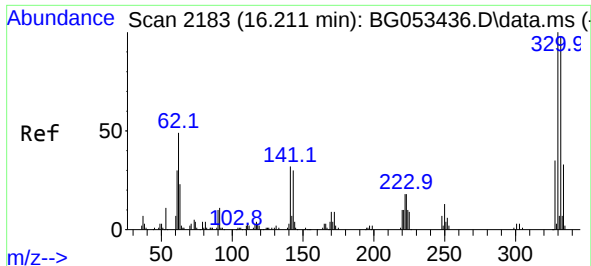
Ion Ratio Lower Upper

164 100

162 102.0 82.3 123.5

160 41.6 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 93.09 ng
RT: 16.094 min Scan# 2183
Delta R.T. -0.023 min
Lab File: BG053743.D
Acq: 27 May 2022 21:33

Instrument :

BNA_G

ClientSampleId :

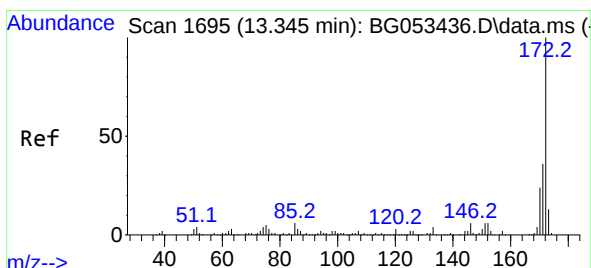
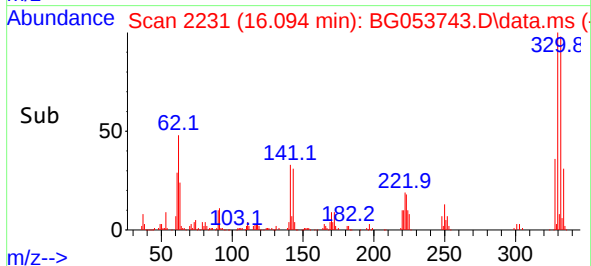
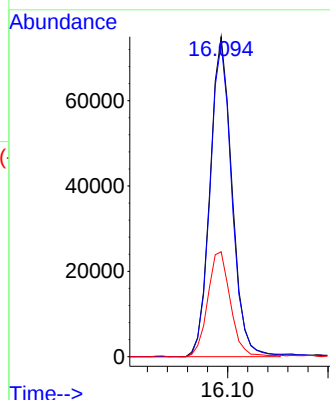
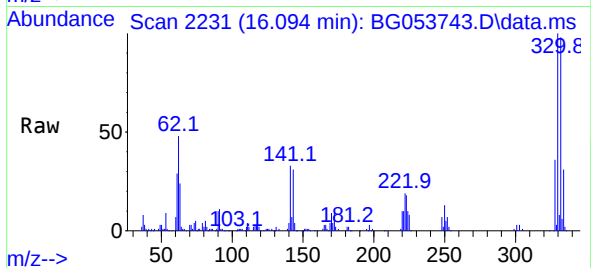
IG1

Tgt Ion:330 Resp: 11399
Ion Ratio Lower Upper
330 100
332 98.0 76.0 114.0
141 33.8 27.1 40.7

Manual Integrations

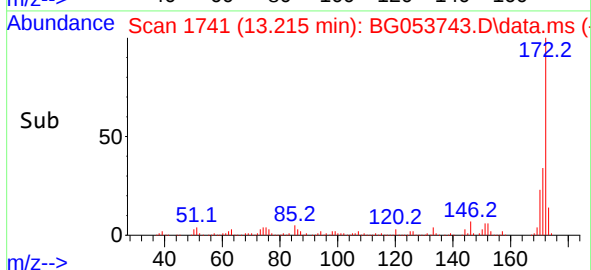
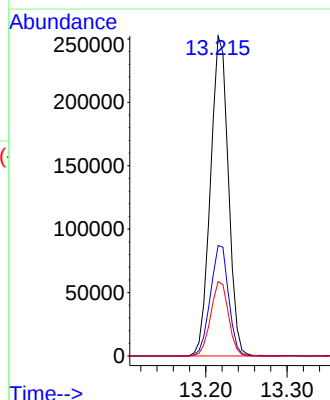
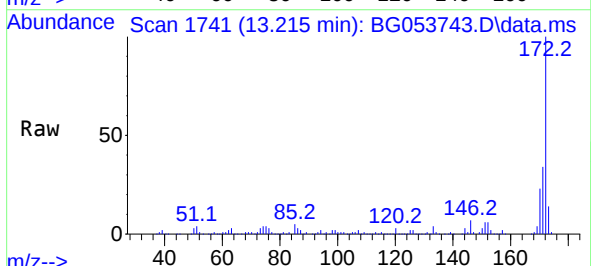
APPROVED

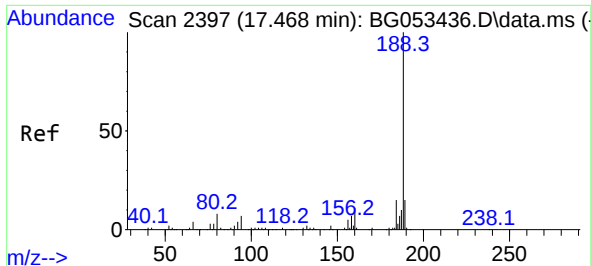
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022



#45
2-Fluorobiphenyl
Concen: 67.70 ng
RT: 13.215 min Scan# 1741
Delta R.T. -0.029 min
Lab File: BG053743.D
Acq: 27 May 2022 21:33

Tgt Ion:172 Resp: 384677
Ion Ratio Lower Upper
172 100
171 34.5 28.5 42.7
170 23.2 18.9 28.3





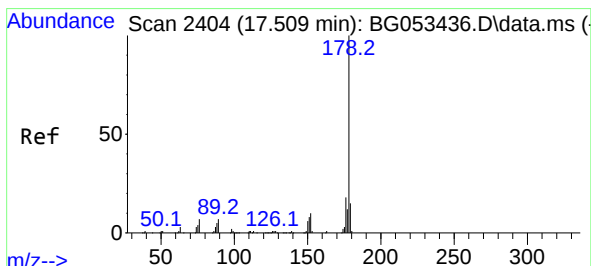
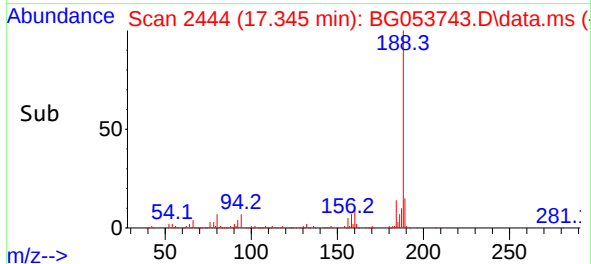
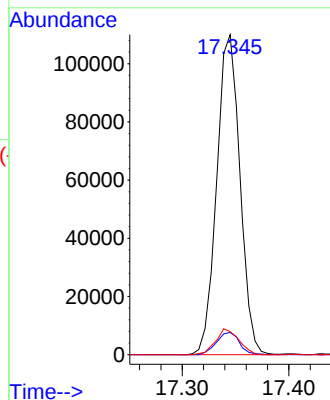
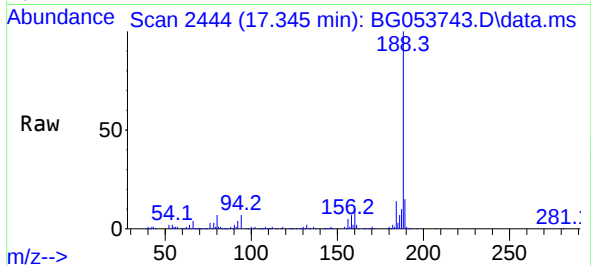
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.345 min Scan# 2444
Delta R.T. -0.029 min
Lab File: BG053743.D
Acq: 27 May 2022 21:33

Instrument :
BNA_G
ClientSampleId :
IG1

Tgt Ion:188 Resp: 166062
Ion Ratio Lower Upper
188 100
94 6.9 5.4 8.0
80 7.2 6.8 10.2

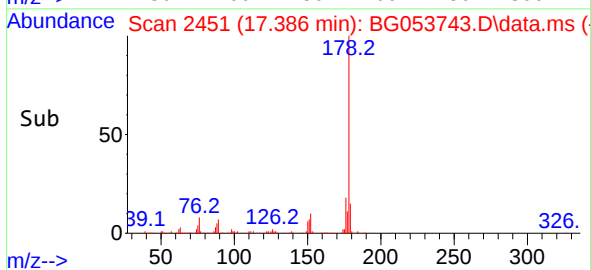
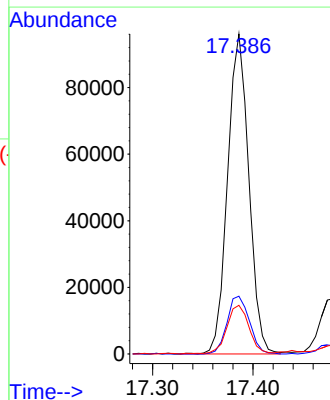
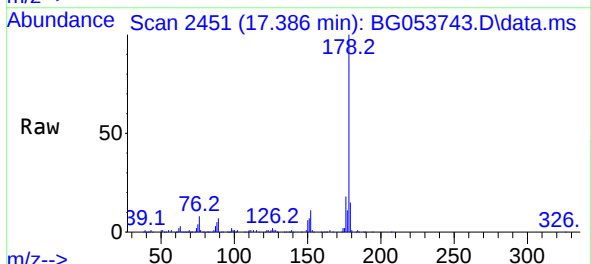
Manual Integrations
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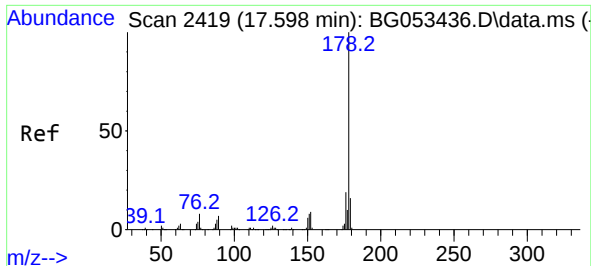
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022



#71
Phenanthrene
Concen: 16.70 ng
RT: 17.386 min Scan# 2451
Delta R.T. -0.029 min
Lab File: BG053743.D
Acq: 27 May 2022 21:33

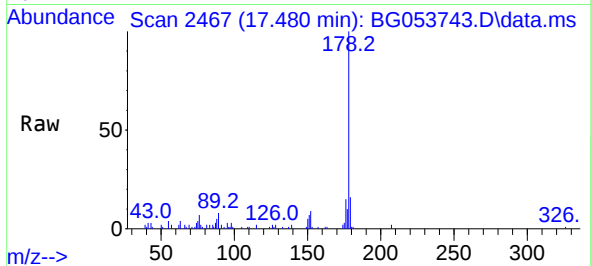
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Ion Ratio Lower Upper
178 100
176 18.0 14.1 21.1
179 15.2 12.1 18.1





#72
 Anthracene
 Concen: 3.00 ng
 RT: 17.480 min Scan# 2419
 Delta R.T. -0.023 min
 Lab File: BG053743.D
 Acq: 27 May 2022 21:33

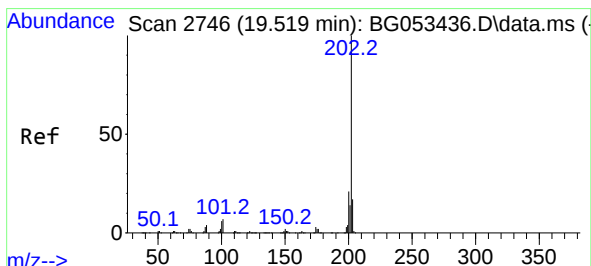
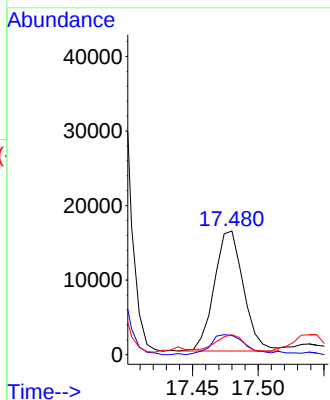
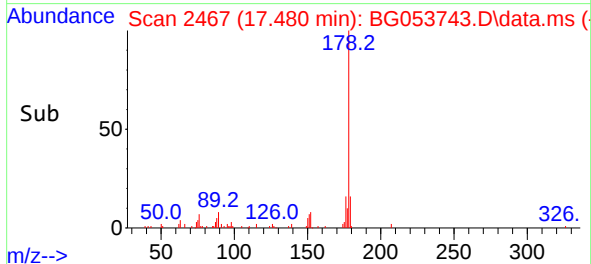
Instrument :
 BNA_G
 ClientSampleId :
 IG1



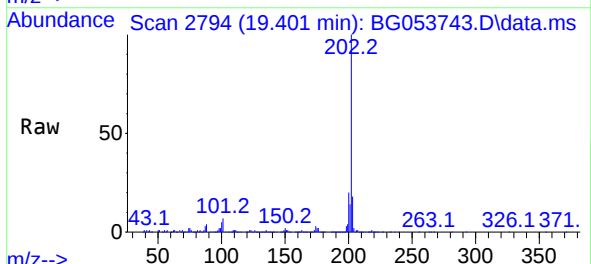
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 Ion Ratio Lower Upper
 178 100
 176 15.5 15.2 22.8
 179 16.1 13.0 19.4

Manual Integrations
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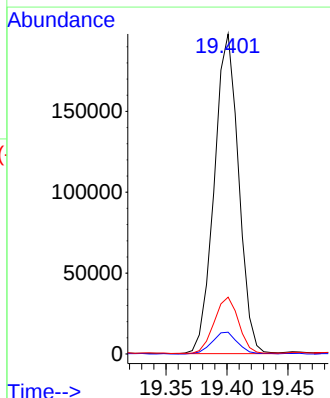
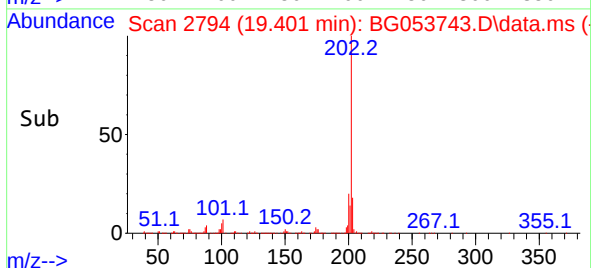
Reviewed By :Christian Giraldo 05/28/2022
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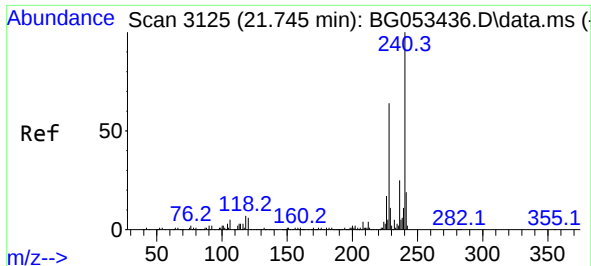


#75
 Fluoranthene
 Concen: 25.16 ng
 RT: 19.401 min Scan# 2794
 Delta R.T. -0.023 min
 Lab File: BG053743.D
 Acq: 27 May 2022 21:33



Tgt Ion:202 Resp: 275122
 Ion Ratio Lower Upper
 202 100
 101 6.8 0.0 26.9
 203 17.7 0.0 37.2





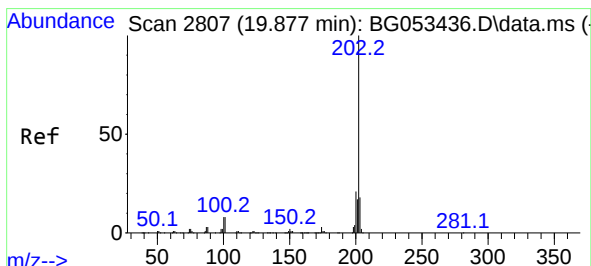
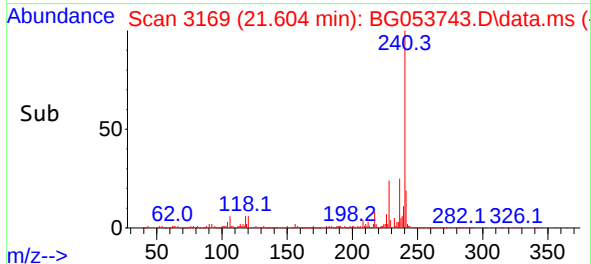
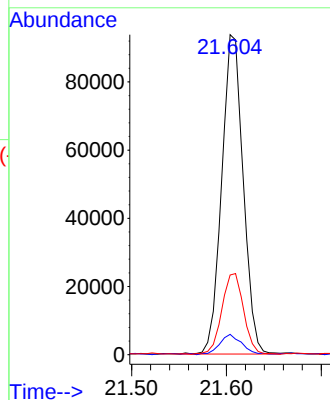
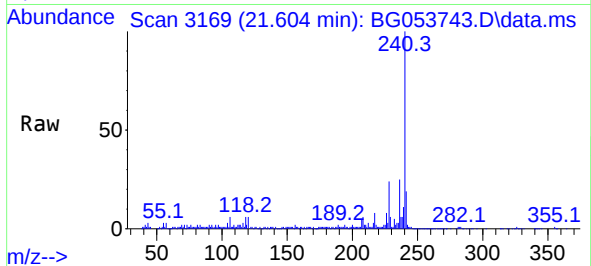
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.604 min Scan# 31
Delta R.T. -0.035 min
Lab File: BG053743.D
Acq: 27 May 2022 21:33

Instrument :
BNA_G
ClientSampleId :
IG1

Tgt Ion:240 Resp: 147502
Ion Ratio Lower Upper
240 100
120 6.3 4.6 7.0
236 24.9 20.2 30.4

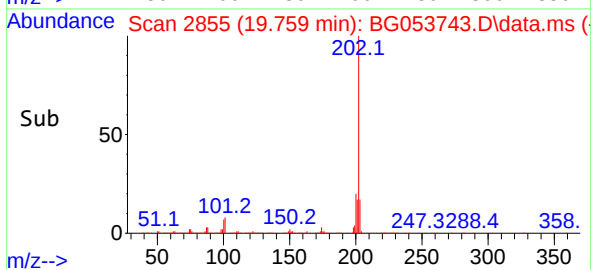
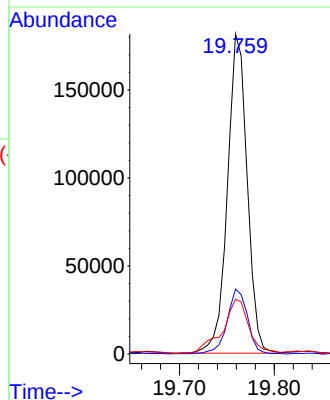
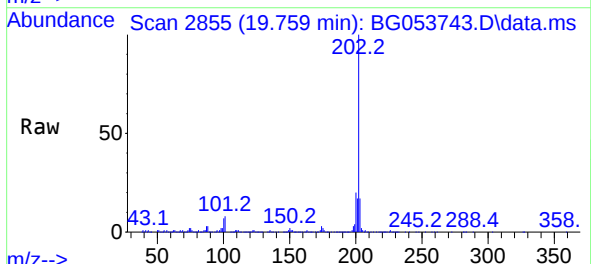
Manual Integrations
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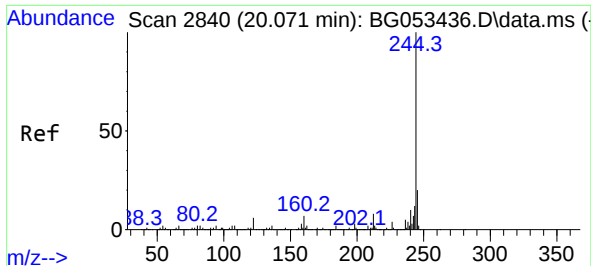
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022



#78
Pyrene
Concen: 27.48 ng
RT: 19.759 min Scan# 2855
Delta R.T. -0.029 min
Lab File: BG053743.D
Acq: 27 May 2022 21:33

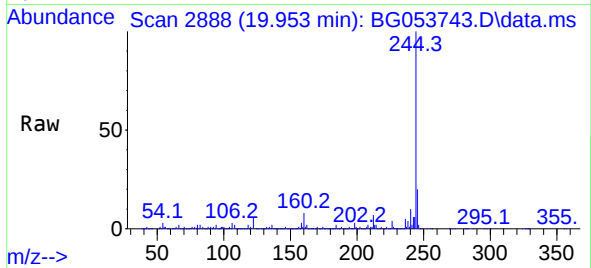
Tgt Ion:202 Resp: 262353
Ion Ratio Lower Upper
202 100
200 20.3 16.6 24.8
203 17.1 14.6 21.8





#79
 Terphenyl-d14
 Concen: 66.56 ng
 RT: 19.953 min Scan# 21
 Delta R.T. -0.023 min
 Lab File: BG053743.D
 Acq: 27 May 2022 21:33

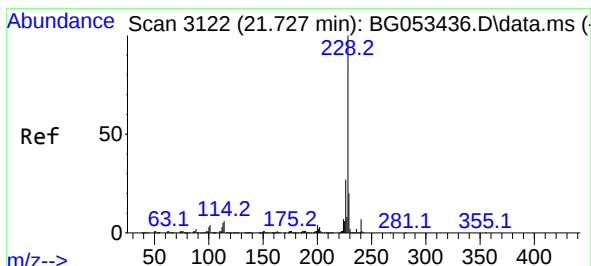
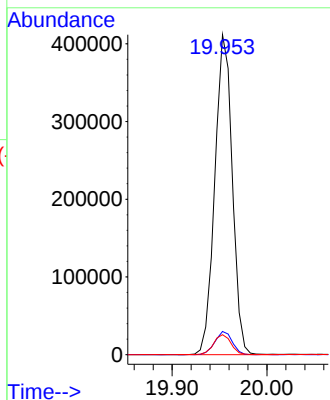
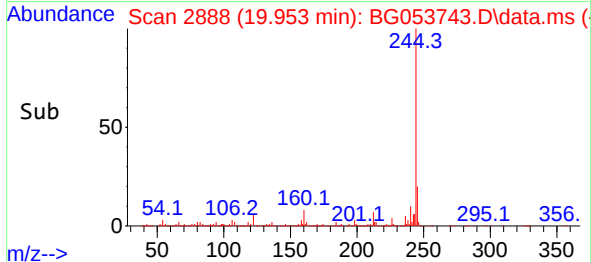
Instrument :
 BNA_G
 ClientSampleId :
 IG1



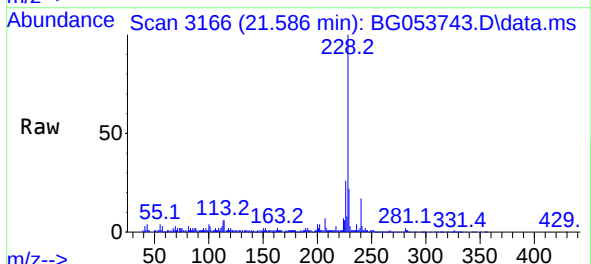
Tgt Ion:244 Resp: 527152
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.5 9.7
 122 6.3 5.0 7.4

Manual Integrations
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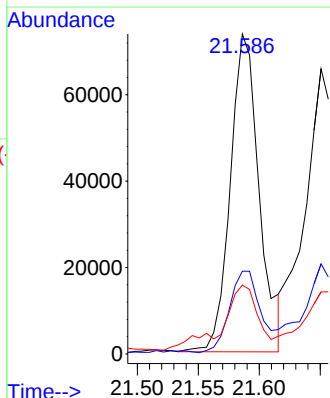
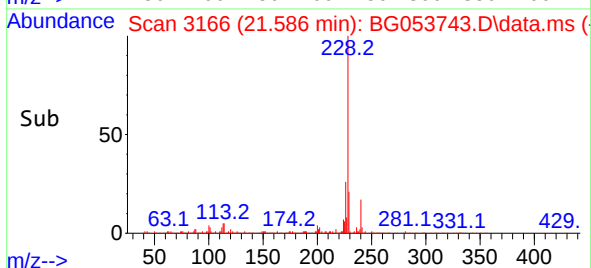
Reviewed By :Christian Giraldo 05/28/2022
 Supervised By :Jagrut Upadhyay 05/31/2022

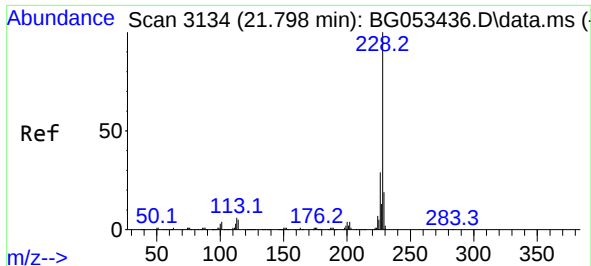


#81
 Benzo(a)anthracene
 Concen: 12.87 ng
 RT: 21.586 min Scan# 3166
 Delta R.T. -0.029 min
 Lab File: BG053743.D
 Acq: 27 May 2022 21:33



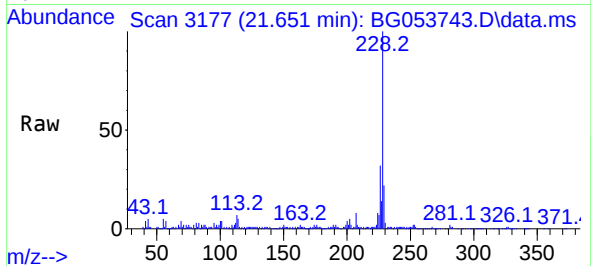
Tgt Ion:228 Resp: 121067
 Ion Ratio Lower Upper
 228 100
 226 25.9 21.6 32.4
 229 21.5 16.2 24.2





#83
Chrysene
Concen: 13.93 ng
RT: 21.651 min Scan# 31
Delta R.T. -0.035 min
Lab File: BG053743.D
Acq: 27 May 2022 21:33

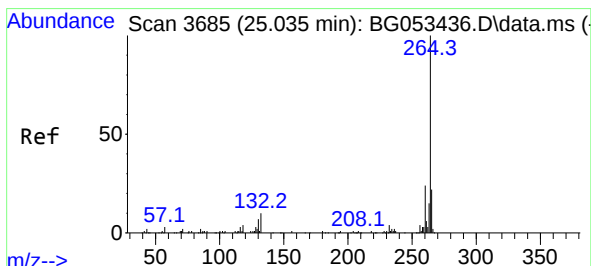
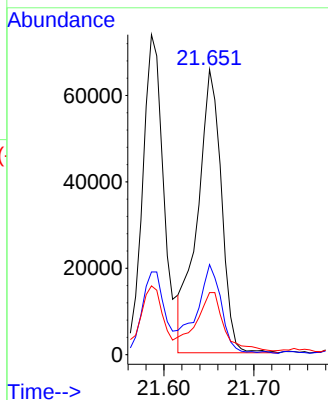
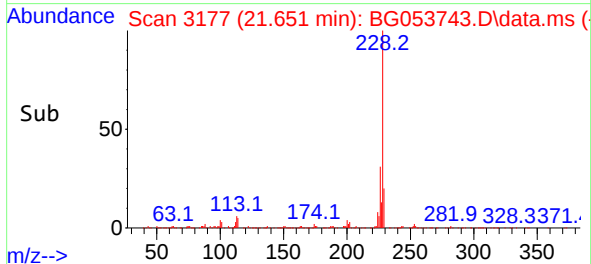
Instrument :
BNA_G
ClientSampleId :
IG1



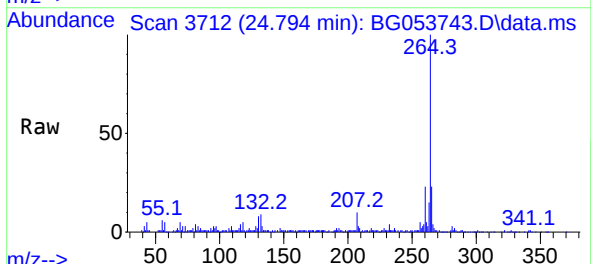
Tgt Ion:228 Resp: 122394
Ion Ratio Lower Upper
228 100
226 31.6 23.4 35.2
229 21.8 15.5 23.3

Manual Integrations
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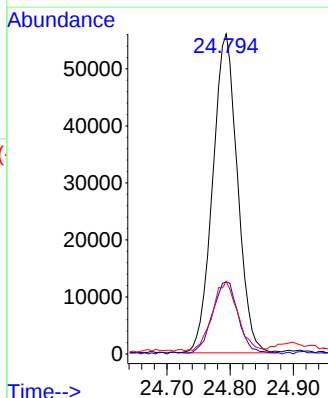
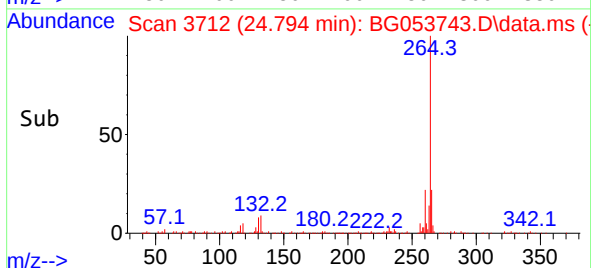
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022

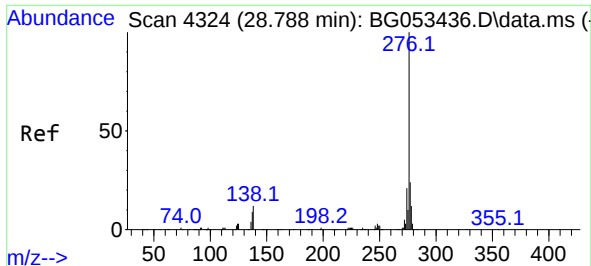


#86
Perylene-d12
Concen: 20.00 ng
RT: 24.794 min Scan# 3712
Delta R.T. -0.046 min
Lab File: BG053743.D
Acq: 27 May 2022 21:33



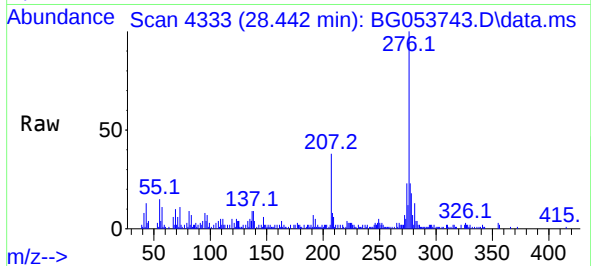
Tgt Ion:264 Resp: 152394
Ion Ratio Lower Upper
264 100
260 22.6 19.0 28.6
265 22.7 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 6.90 ng
RT: 28.442 min Scan# 41
Delta R.T. -0.070 min
Lab File: BG053743.D
Acq: 27 May 2022 21:33

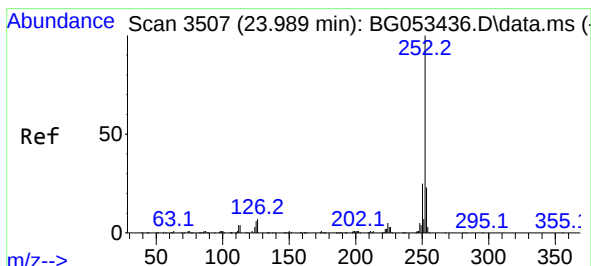
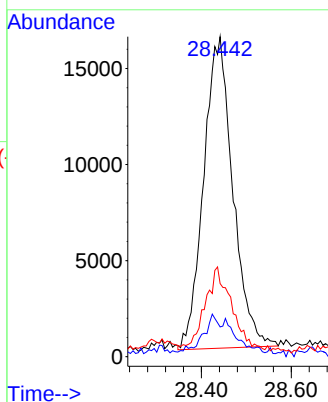
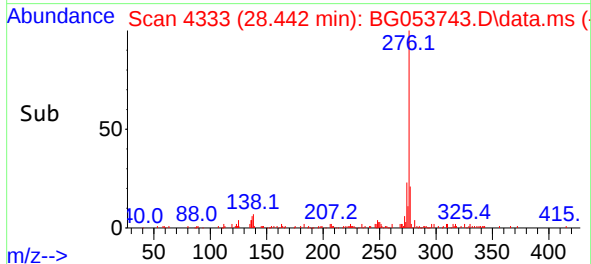
Instrument :
BNA_G
ClientSampleId :
IG1



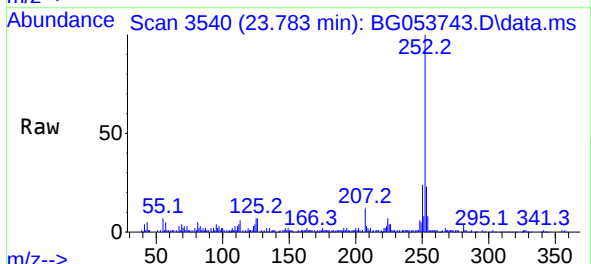
Tgt Ion:276 Resp: 7325
Ion Ratio Lower Upper
276 100
138 6.3 5.0 7.4
277 23.6 20.3 30.5

Manual Integrations
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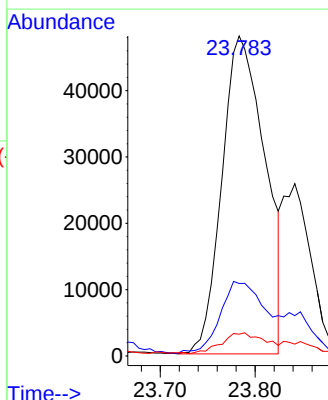
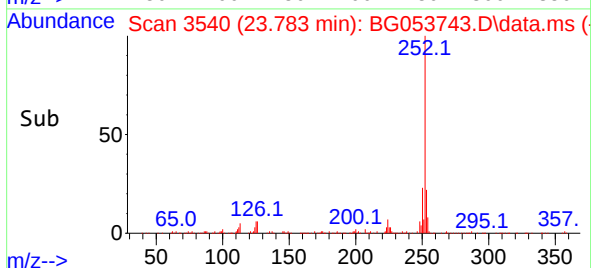
Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022

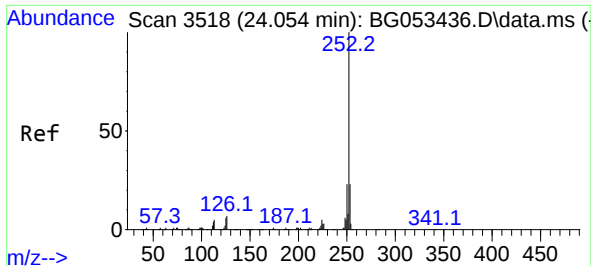


#88
Benzo(b)fluoranthene
Concen: 16.76 ng
RT: 23.783 min Scan# 3540
Delta R.T. -0.040 min
Lab File: BG053743.D
Acq: 27 May 2022 21:33



Tgt Ion:252 Resp: 151191
Ion Ratio Lower Upper
252 100
253 22.6 18.0 27.0
125 6.8 4.6 6.8





#89

Benzo(k)fluoranthene

Concen: 5.73 ng m

RT: 23.842 min Scan# 3

Delta R.T. -0.046 min

Lab File: BG053743.D

Acq: 27 May 2022 21:33

Instrument :

BNA_G

ClientSampleId :

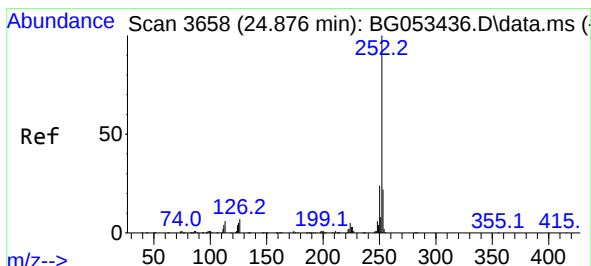
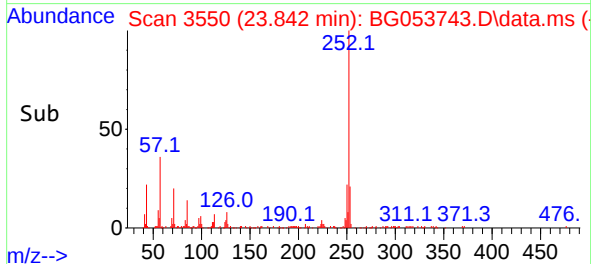
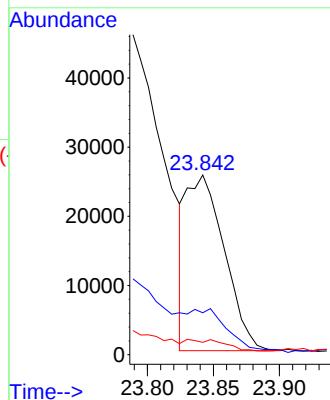
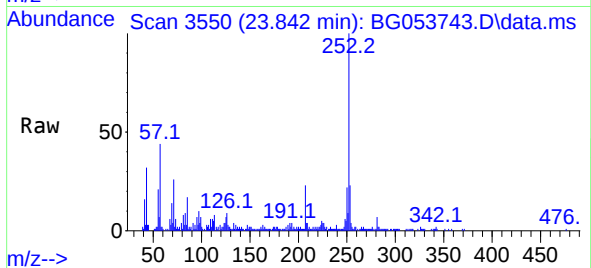
IG1

Tgt Ion:	252	Resp:	5082
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.4	27.6
125	6.9	4.8	7.2

Manual Integrations

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Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022



#90

Benzo(a)pyrene

Concen: 15.10 ng

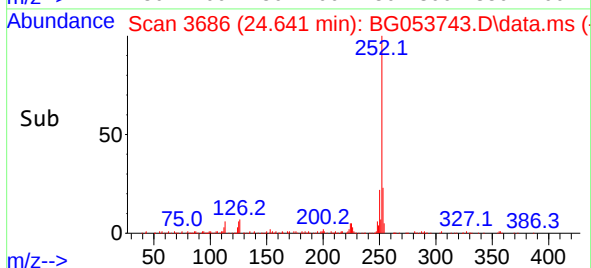
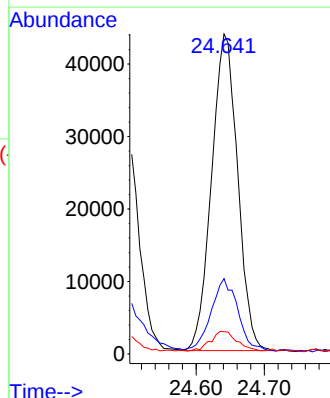
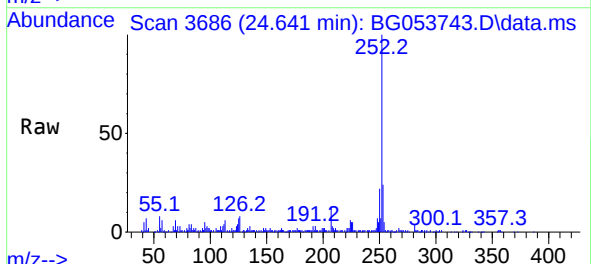
RT: 24.641 min Scan# 3686

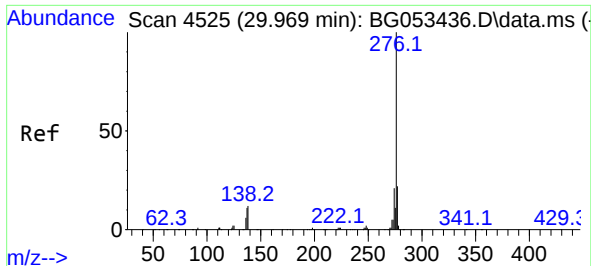
Delta R.T. -0.046 min

Lab File: BG053743.D

Acq: 27 May 2022 21:33

Tgt Ion:	252	Resp:	115922
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.8	26.8
125	7.0	4.3	6.5





#92
Benzo(g,h,i)perylene
Concen: 8.71 ng
RT: 29.575 min Scan# 4526
Delta R.T. -0.076 min
Lab File: BG053743.D
Acq: 27 May 2022 21:33

Instrument :
BNA_G
ClientSampleId :
IG1

Tgt Ion:276 Resp: 75470
Ion Ratio Lower Upper
276 100
277 26.5 17.3 25.9
138 11.2 9.6 14.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/28/2022
Supervised By :Jagrut Upadhyay 05/31/2022

