

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
 Data File : BG056626.D
 Acq On : 13 Feb 2023 19:28
 Operator : CG/JU
 Sample : 01529-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-06-0-2.0

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/14/2023
 Supervised By : Jagrut Upadhyay 02/14/2023

Quant Time: Feb 14 02:08:41 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 10 22:46:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.207	152	45047	20.000	ng	0.00
21) Naphthalene-d8	11.045	136	161626	20.000	ng	0.00
39) Acenaphthene-d10	14.840	164	108655	20.000	ng	0.00
64) Phenanthrene-d10	17.578	188	238037	20.000	ng	0.00
76) Chrysene-d12	21.861	240	223635	20.000	ng	0.00
86) Perylene-d12	25.251	264	244243	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.739	112	179827	73.436	ng	0.01
7) Phenol-d6	7.372	99	236082	65.067	ng	0.00
23) Nitrobenzene-d5	9.388	82	129252	45.411	ng	0.00
42) 2,4,6-Tribromophenol	16.327	330	92263	63.872	ng	0.00
45) 2-Fluorobiphenyl	13.459	172	392418	50.072	ng	0.00
79) Terphenyl-d14	20.157	244	592153	46.506	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.619	178	254946	20.464	ng	99
72) Anthracene	17.713	178	59459	4.649	ng	98
73) Carbazole	17.978	167	27569	2.531	ng	98
75) Fluoranthene	19.617	202	609177	38.742	ng	99
78) Pyrene	19.981	202	553323	34.788	ng	98
81) Benzo(a)anthracene	21.844	228	344454	22.032	ng	97
83) Chrysene	21.908	228	342599m	23.324	ng	
84) Bis(2-ethylhexyl)phtha...	21.697	149	18282	2.625	ng	# 87
87) Indeno(1,2,3-cd)pyrene	29.165	276	157879	8.830	ng	# 87
88) Benzo(b)fluoranthene	24.170	252	488156	32.200	ng	96
89) Benzo(k)fluoranthene	24.235	252	163565m	10.686	ng	
90) Benzo(a)pyrene	25.099	252	355655	23.816	ng	# 97
91) Dibenzo(a,h)anthracene	29.188	278	45534	3.034	ng	# 40
92) Benzo(g,h,i)perylene	30.404	276	202339	13.973	ng	# 91

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

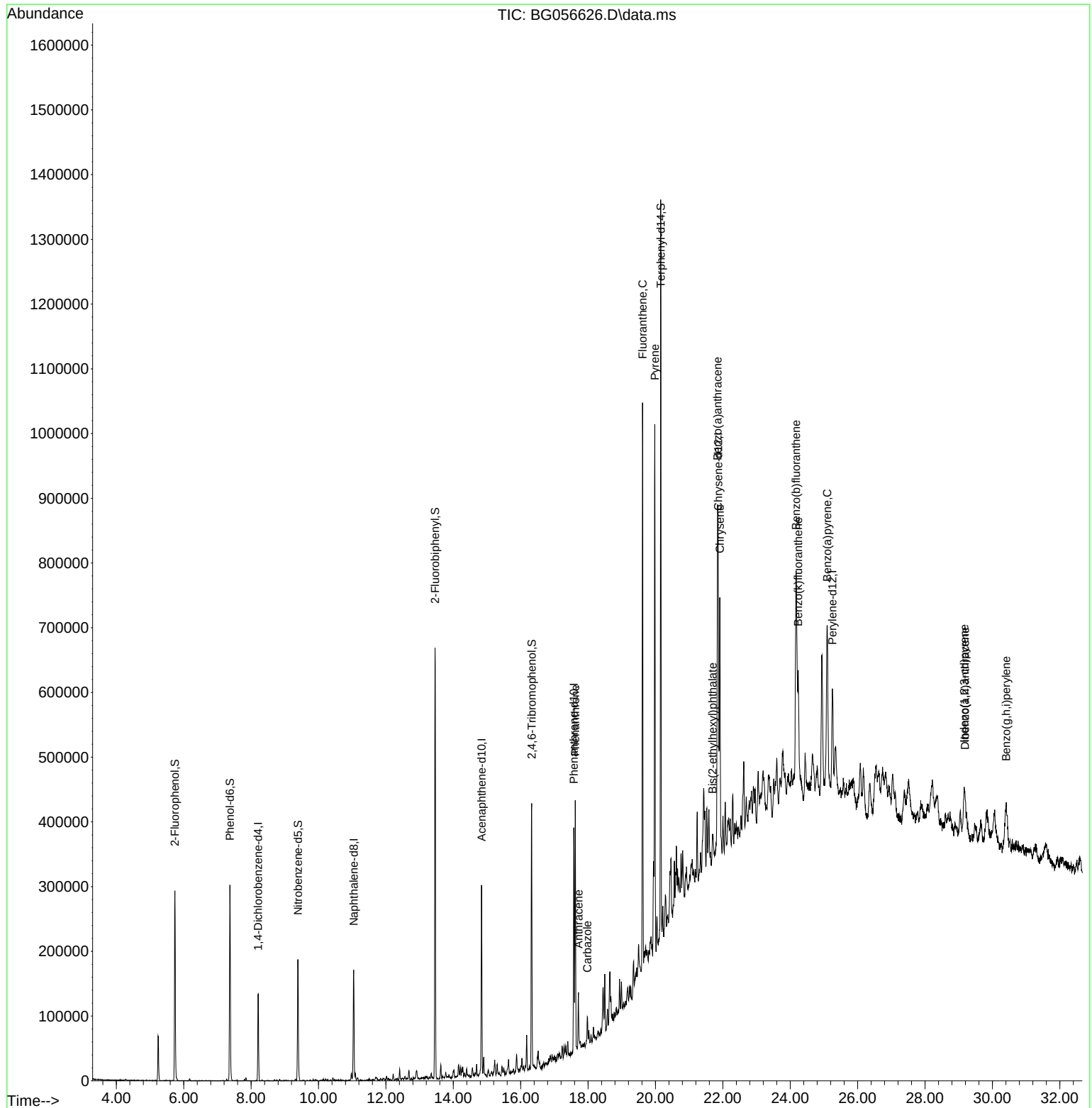
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
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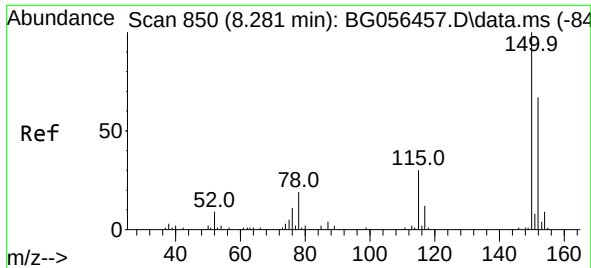
Instrument :
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Quant Time: Feb 14 02:08:41 2023
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 10 22:46:08 2023
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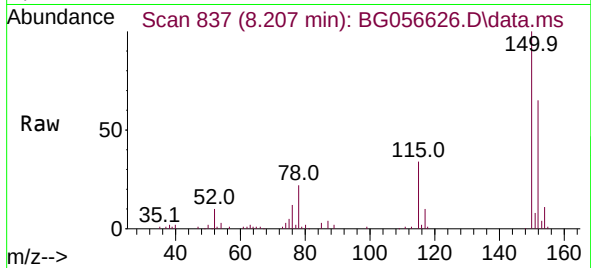
Reviewed By : Christian Giraldo 02/14/2023
Supervised By : Jagrut Upadhyay 02/14/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.207 min Scan# 84
Delta R.T. -0.000 min
Lab File: BG056626.D
Acq: 13 Feb 2023 19:28

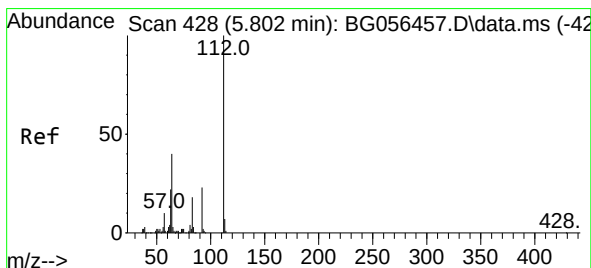
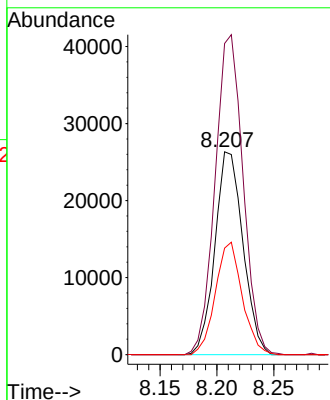
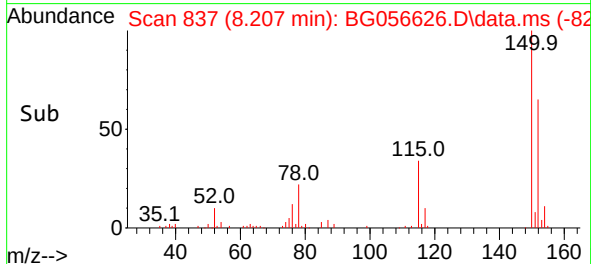
Instrument :
BNA_G
ClientSampleId :
SB-06-0-2.0



Tgt Ion:152 Resp: 4504
Ion Ratio Lower Upper
152 100
150 153.4 120.2 180.4
115 52.5 36.3 54.5

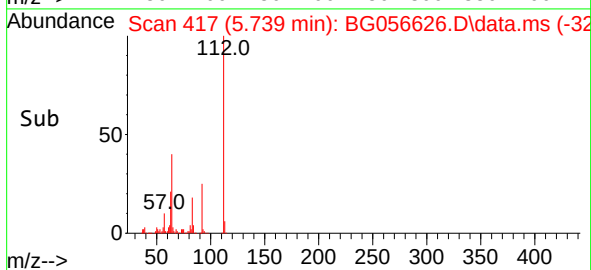
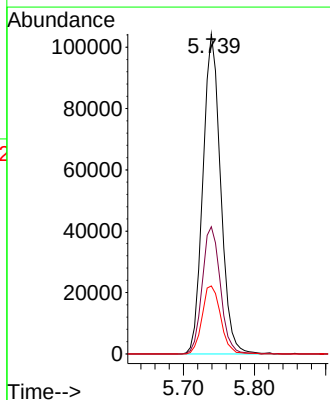
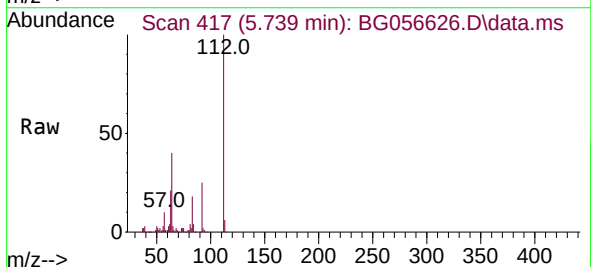
Manual Integrations
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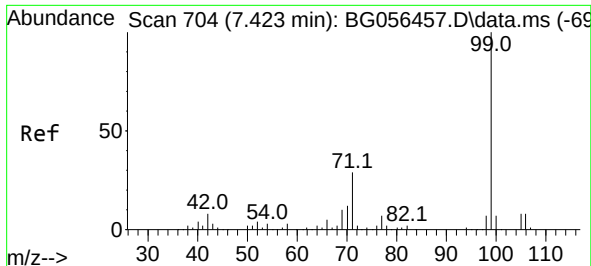
Reviewed By :Christian Giraldo 02/14/2023
Supervised By :Jagrut Upadhyay 02/14/2023



#5
2-Fluorophenol
Concen: 73.436 ng
RT: 5.739 min Scan# 417
Delta R.T. 0.011 min
Lab File: BG056626.D
Acq: 13 Feb 2023 19:28

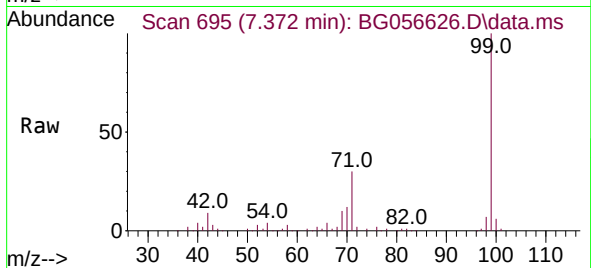
Tgt Ion:112 Resp: 179827
Ion Ratio Lower Upper
112 100
64 39.8 31.9 47.9
63 21.2 17.4 26.0





#7
Phenol-d6
Concen: 65.067 ng
RT: 7.372 min Scan# 695
Delta R.T. 0.005 min
Lab File: BG056626.D
Acq: 13 Feb 2023 19:28

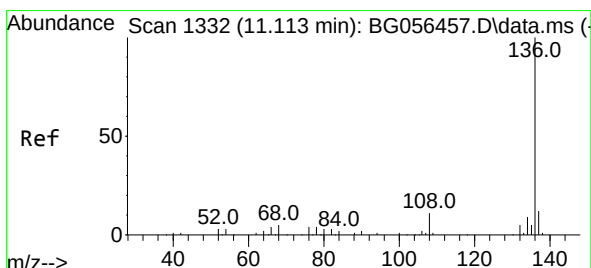
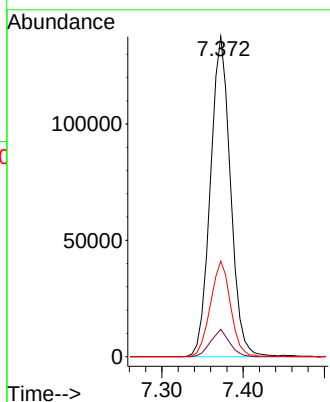
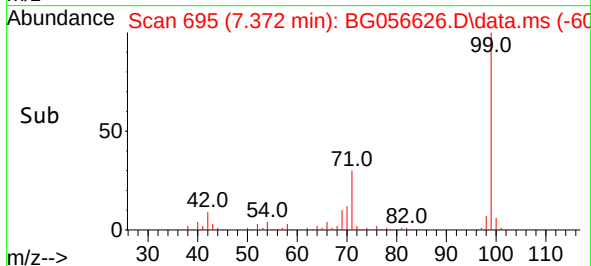
Instrument :
BNA_G
ClientSampleId :
SB-06-0-2.0



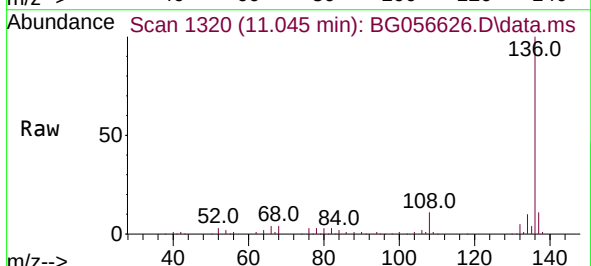
Tgt Ion: 99 Resp: 236082
Ion Ratio Lower Upper
99 100
42 8.5 6.6 10.0
71 29.8 23.4 35.0

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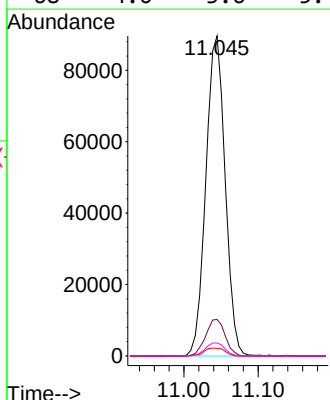
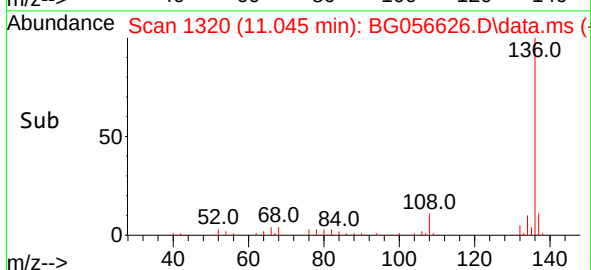
Reviewed By :Christian Giraldo 02/14/2023
Supervised By :Jagrut Upadhyay 02/14/2023

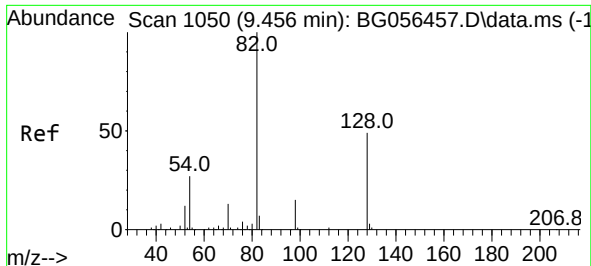


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.045 min Scan# 1320
Delta R.T. -0.001 min
Lab File: BG056626.D
Acq: 13 Feb 2023 19:28



Tgt Ion:136 Resp: 161626
Ion Ratio Lower Upper
136 100
137 11.4 9.4 14.0
54 2.4 2.2 3.4
68 4.0 3.6 5.4





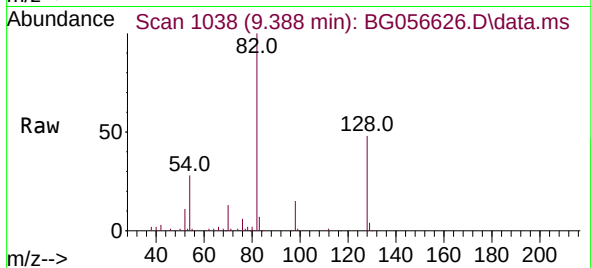
#23
Nitrobenzene-d5
Concen: 45.411 ng
RT: 9.388 min Scan# 1050
Delta R.T. -0.001 min
Lab File: BG056626.D
Acq: 13 Feb 2023 19:28

Instrument :

BNA_G

ClientSampleId :

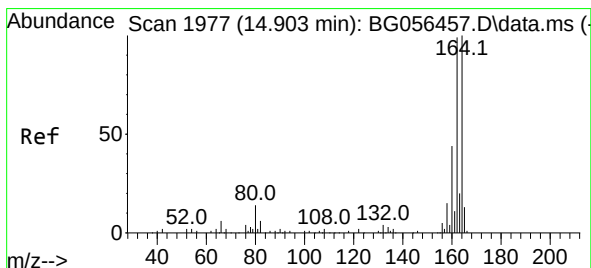
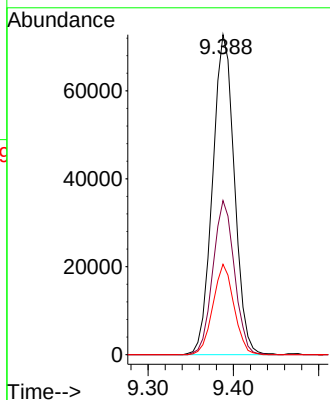
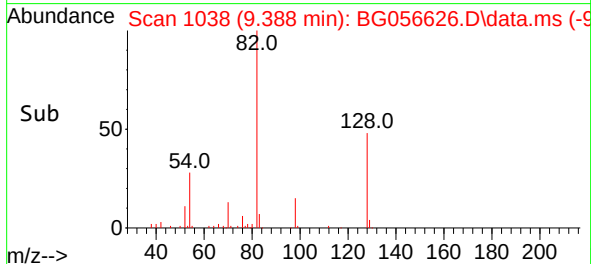
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Tgt Ion: 82 Resp: 129252
Ion Ratio Lower Upper
82 100
128 48.1 39.4 59.2
54 28.2 21.4 32.2

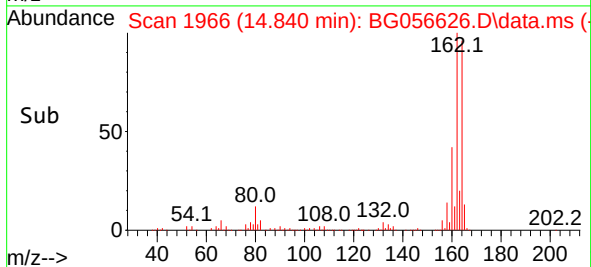
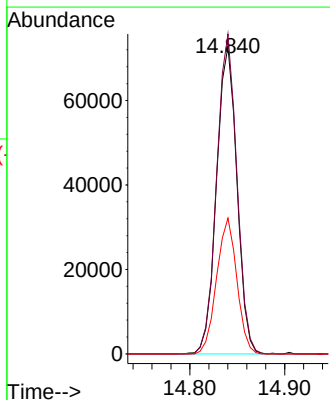
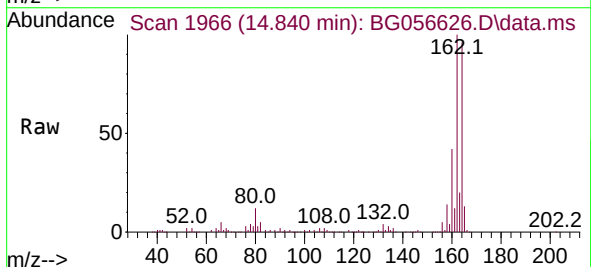
Manual Integrations
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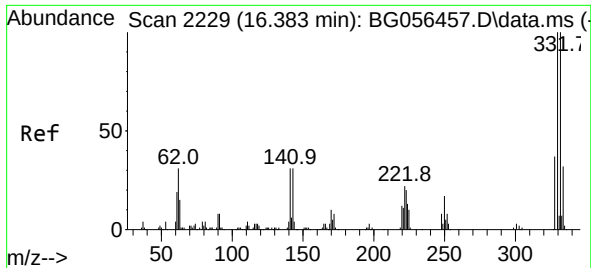
Reviewed By :Christian Giraldo 02/14/2023
Supervised By :Jagrut Upadhyay 02/14/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.840 min Scan# 1966
Delta R.T. -0.001 min
Lab File: BG056626.D
Acq: 13 Feb 2023 19:28

Tgt Ion:164 Resp: 108655
Ion Ratio Lower Upper
164 100
162 104.1 79.6 119.4
160 44.2 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 63.872 ng
RT: 16.327 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG056626.D
Acq: 13 Feb 2023 19:28

Instrument :

BNA_G

ClientSampleId :

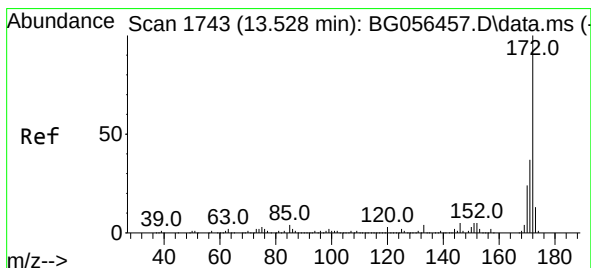
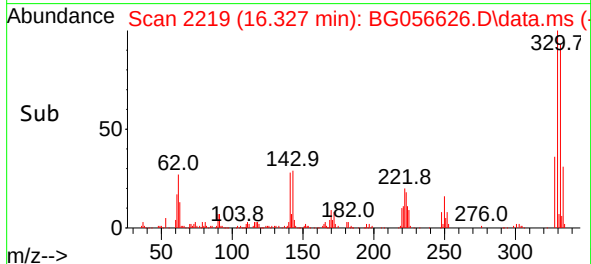
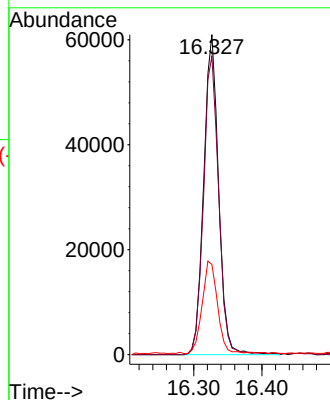
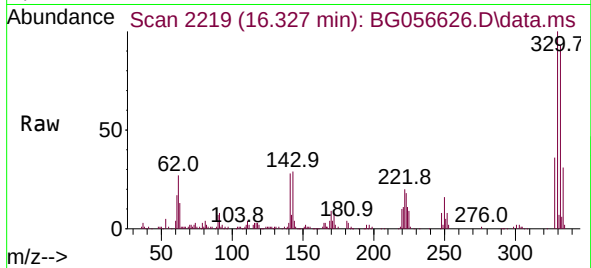
SB-06-0-2.0

Tgt Ion:330 Resp: 92263
Ion Ratio Lower Upper
330 100
332 94.8 79.0 118.6
141 29.9 24.2 36.4

Manual Integrations

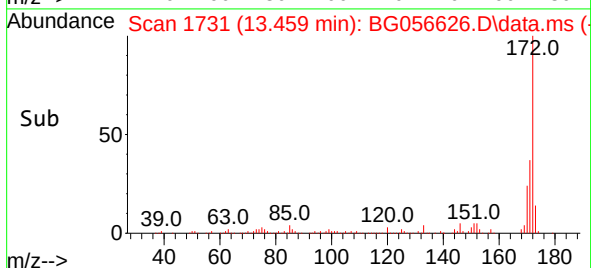
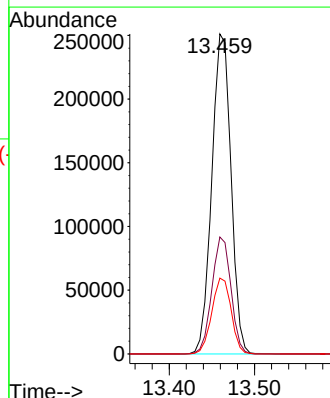
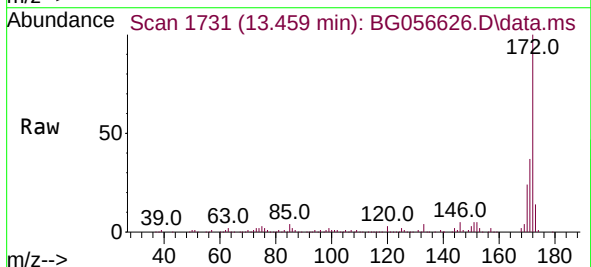
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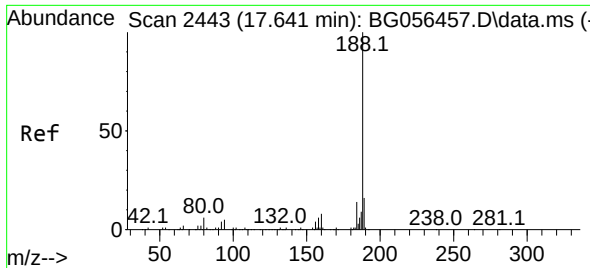
Reviewed By :Christian Giraldo 02/14/2023
Supervised By :Jagrut Upadhyay 02/14/2023



#45
2-Fluorobiphenyl
Concen: 50.072 ng
RT: 13.459 min Scan# 1731
Delta R.T. -0.006 min
Lab File: BG056626.D
Acq: 13 Feb 2023 19:28

Tgt Ion:172 Resp: 392418
Ion Ratio Lower Upper
172 100
171 36.5 29.5 44.3
170 23.7 19.2 28.8





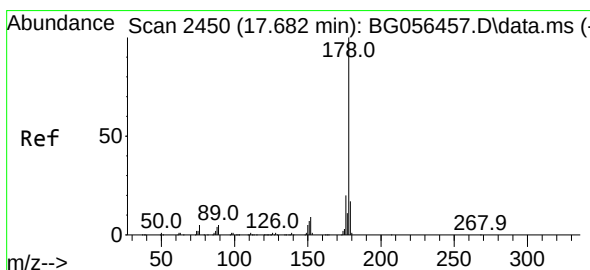
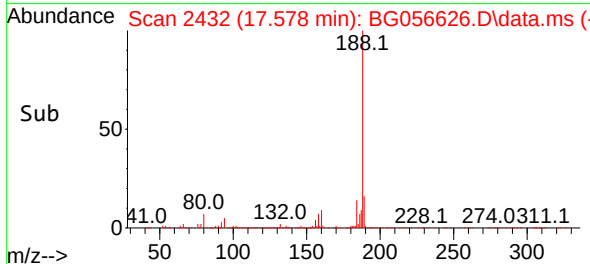
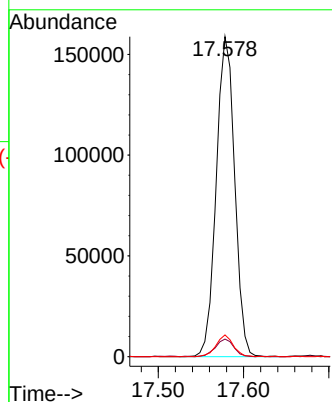
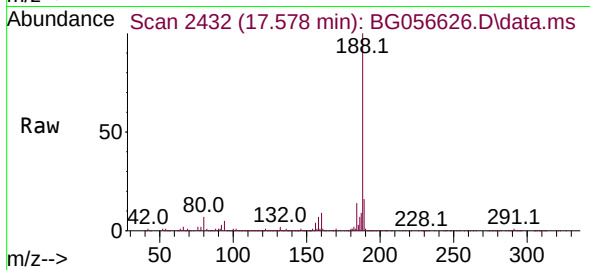
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.578 min Scan# 2443
Delta R.T. -0.006 min
Lab File: BG056626.D
Acq: 13 Feb 2023 19:28

Instrument :
BNA_G
ClientSampleId :
SB-06-0-2.0

Tgt Ion:188 Resp: 238037
Ion Ratio Lower Upper
188 100
94 5.5 4.1 6.1
80 6.8 5.0 7.4

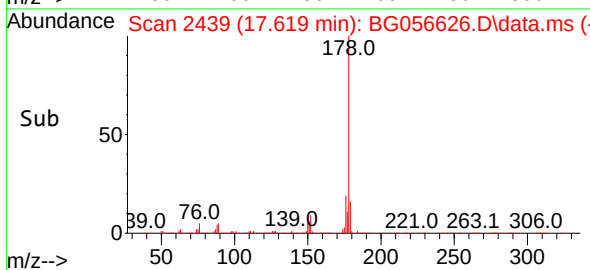
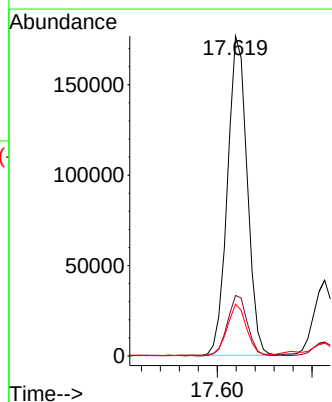
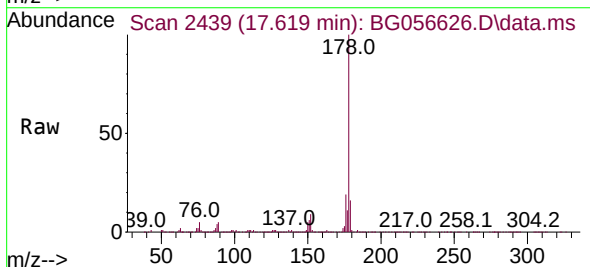
Manual Integrations
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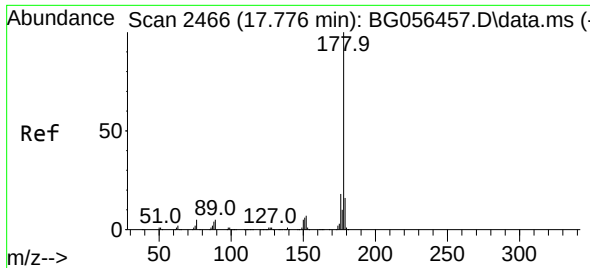
Reviewed By :Christian Giraldo 02/14/2023
Supervised By :Jagrut Upadhyay 02/14/2023



#71
Phenanthrene
Concen: 20.464 ng
RT: 17.619 min Scan# 2439
Delta R.T. -0.006 min
Lab File: BG056626.D
Acq: 13 Feb 2023 19:28

Tgt Ion:178 Resp: 254946
Ion Ratio Lower Upper
178 100
176 18.9 15.6 23.4
179 16.2 13.3 19.9





#72
 Anthracene
 Concen: 4.649 ng
 RT: 17.713 min Scan# 2466
 Delta R.T. -0.001 min
 Lab File: BG056626.D
 Acq: 13 Feb 2023 19:28

Instrument :

BNA_G

ClientSampleId :

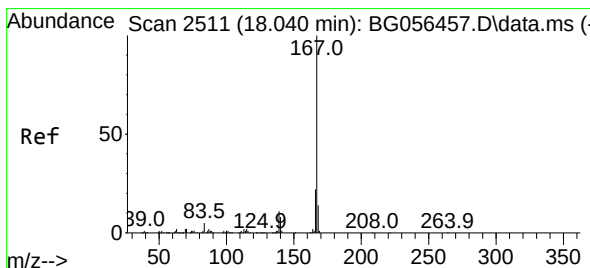
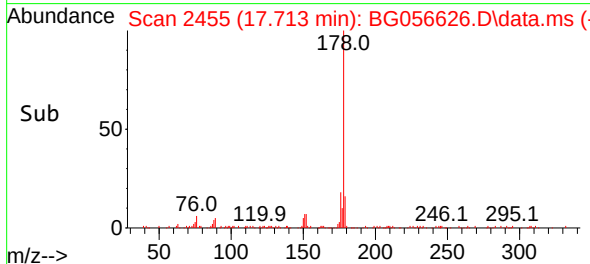
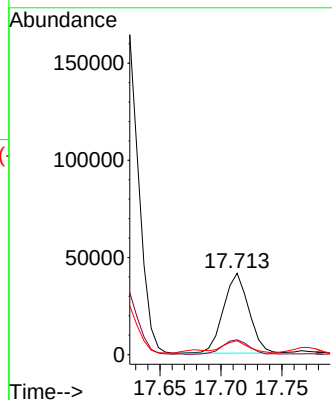
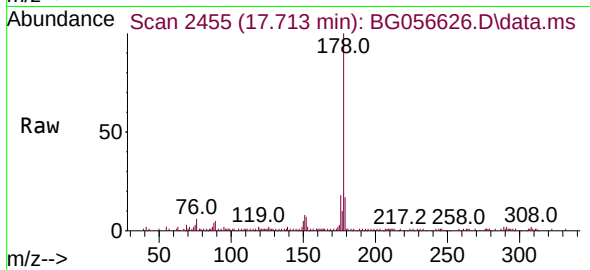
SB-06-0-2.0

Tgt Ion:178 Resp: 59459
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.5 21.7
 179 16.9 12.5 18.7

Manual Integrations

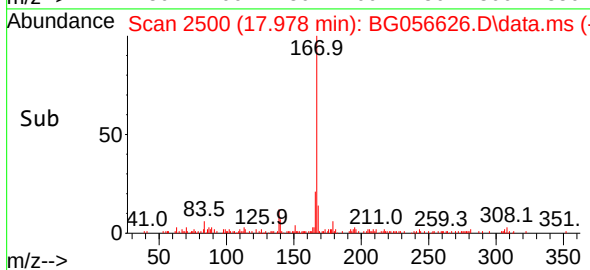
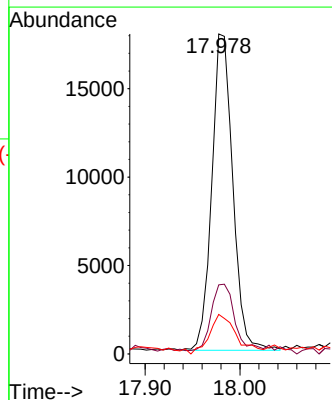
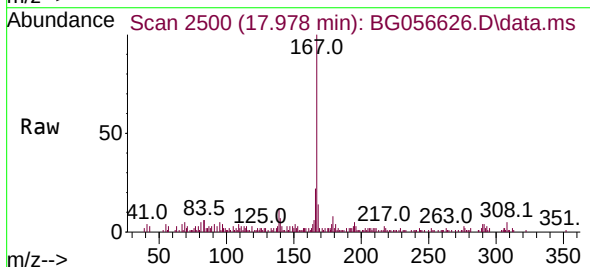
APPROVED

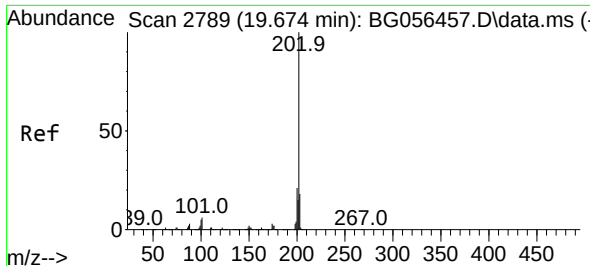
Reviewed By :Christian Giraldo 02/14/2023
 Supervised By :Jagrut Upadhyay 02/14/2023



#73
 Carbazole
 Concen: 2.531 ng
 RT: 17.978 min Scan# 2500
 Delta R.T. -0.006 min
 Lab File: BG056626.D
 Acq: 13 Feb 2023 19:28

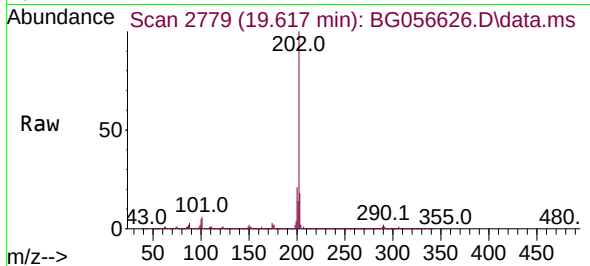
Tgt Ion:167 Resp: 27569
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.8 26.6
 139 12.3 8.9 13.3





#75
Fluoranthene
Concen: 38.742 ng
RT: 19.617 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG056626.D
Acq: 13 Feb 2023 19:28

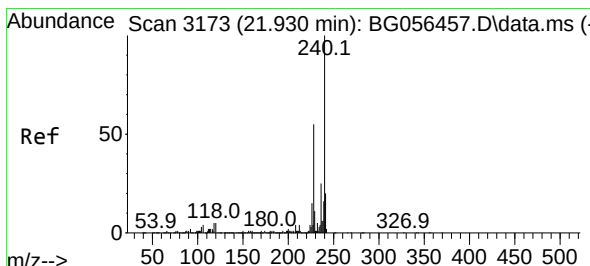
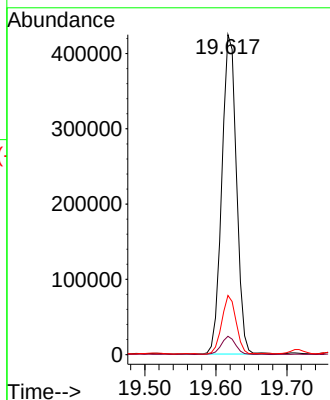
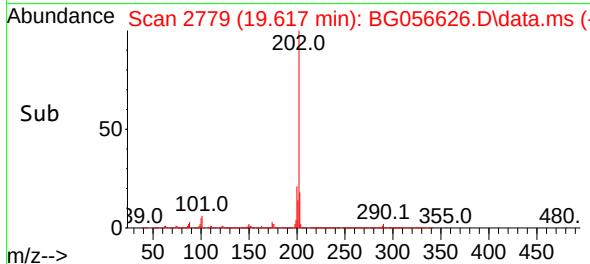
Instrument :
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SB-06-0-2.0



Tgt Ion:202 Resp: 60917
Ion Ratio Lower Upper
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101 5.7 0.0 25.6
203 18.5 0.0 38.1

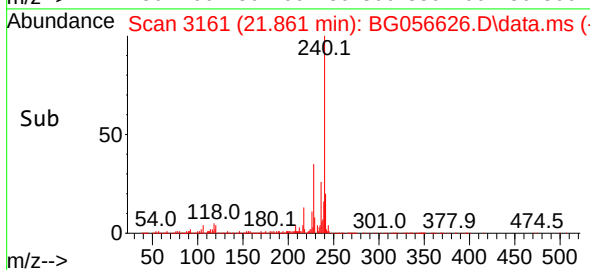
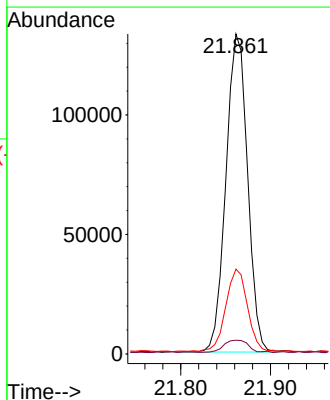
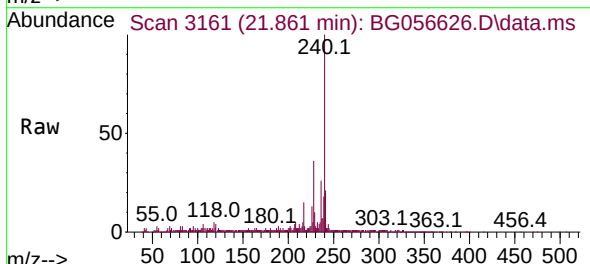
Manual Integrations
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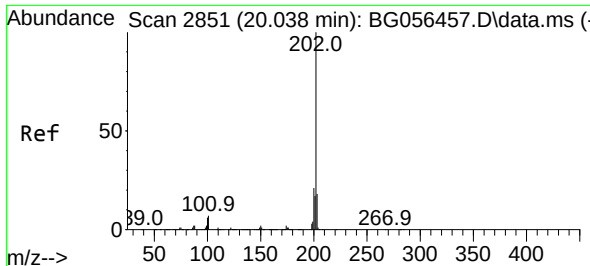
Reviewed By :Christian Giraldo 02/14/2023
Supervised By :Jagrut Upadhyay 02/14/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.861 min Scan# 3161
Delta R.T. -0.000 min
Lab File: BG056626.D
Acq: 13 Feb 2023 19:28

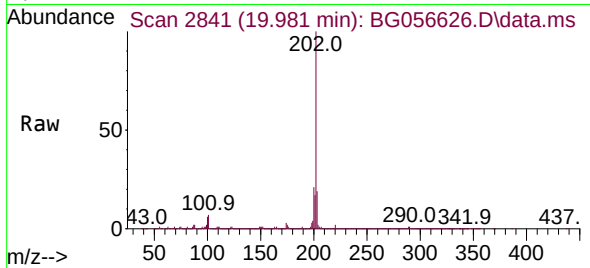
Tgt Ion:240 Resp: 223635
Ion Ratio Lower Upper
240 100
120 4.3 3.8 5.8
236 26.5 20.2 30.2





#78
Pyrene
Concen: 34.788 ng
RT: 19.981 min Scan# 2851
Delta R.T. -0.000 min
Lab File: BG056626.D
Acq: 13 Feb 2023 19:28

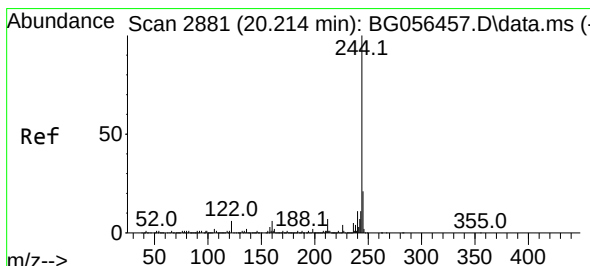
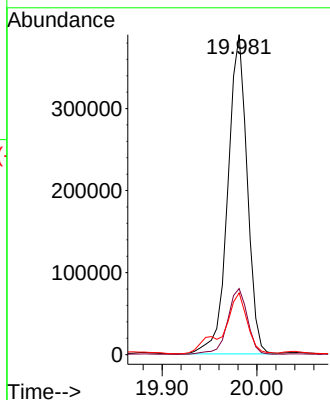
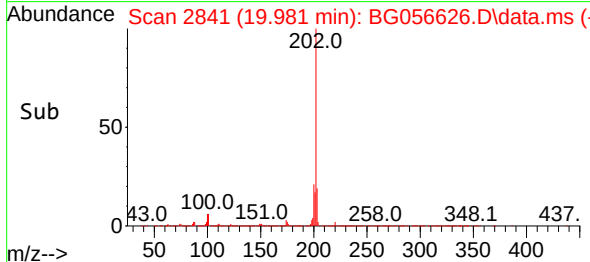
Instrument :
BNA_G
ClientSampleId :
SB-06-0-2.0



Tgt Ion:202 Resp: 553323
Ion Ratio Lower Upper
202 100
200 20.6 16.7 25.1
203 19.3 14.4 21.6

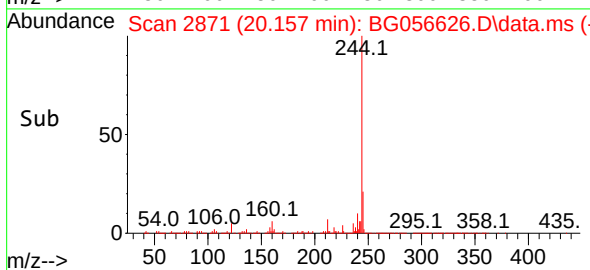
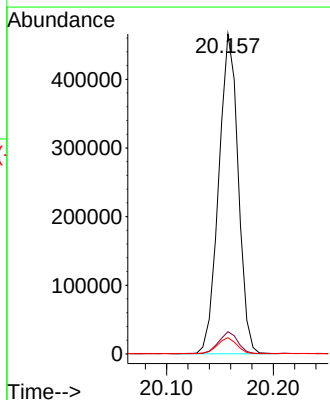
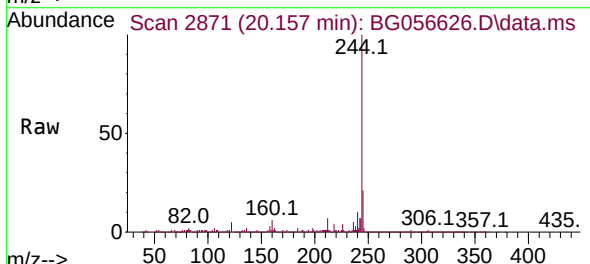
Manual Integrations
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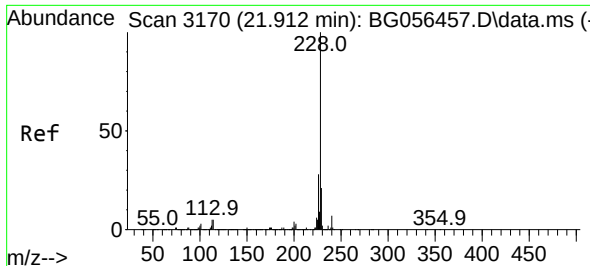
Reviewed By :Christian Giraldo 02/14/2023
Supervised By :Jagrut Upadhyay 02/14/2023



#79
Terphenyl-d14
Concen: 46.506 ng
RT: 20.157 min Scan# 2871
Delta R.T. -0.001 min
Lab File: BG056626.D
Acq: 13 Feb 2023 19:28

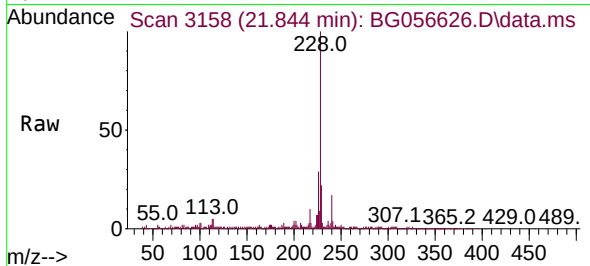
Tgt Ion:244 Resp: 592153
Ion Ratio Lower Upper
244 100
212 6.9 5.5 8.3
122 5.1 4.4 6.6





#81
Benzo(a)anthracene
Concen: 22.032 ng
RT: 21.844 min Scan# 3158
Delta R.T. 0.005 min
Lab File: BG056626.D
Acq: 13 Feb 2023 19:28

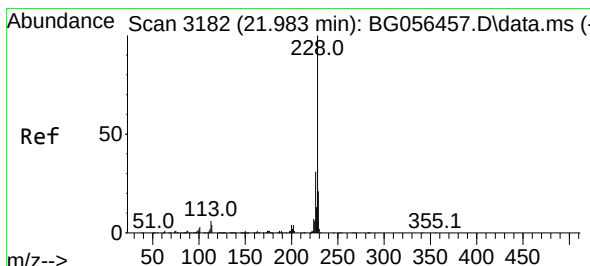
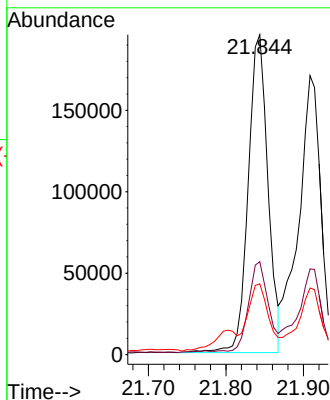
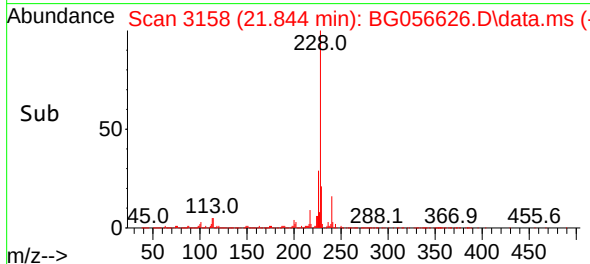
Instrument :
BNA_G
ClientSampleId :
SB-06-0-2.0



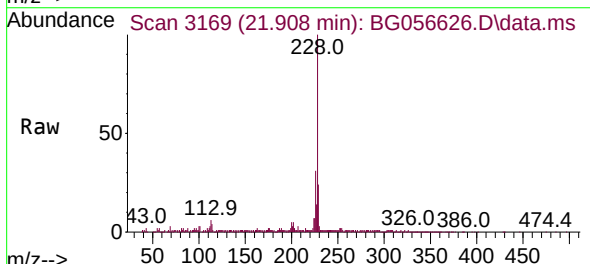
Tgt Ion:228 Resp: 344454
Ion Ratio Lower Upper
228 100
226 29.0 22.4 33.6
229 22.1 16.5 24.7

Manual Integrations
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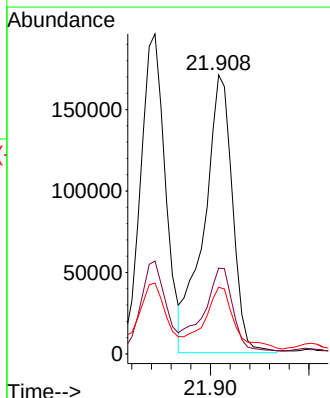
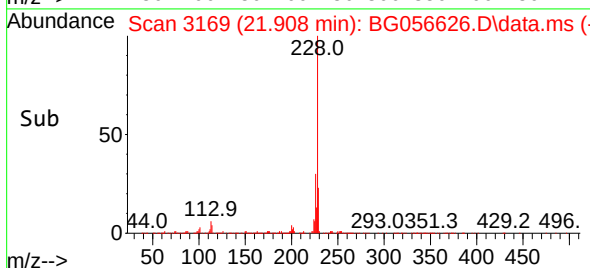
Reviewed By :Christian Giraldo 02/14/2023
Supervised By :Jagrut Upadhyay 02/14/2023

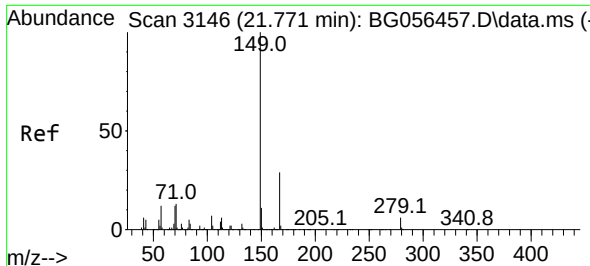


#83
Chrysene
Concen: 23.324 ng m
RT: 21.908 min Scan# 3169
Delta R.T. -0.001 min
Lab File: BG056626.D
Acq: 13 Feb 2023 19:28



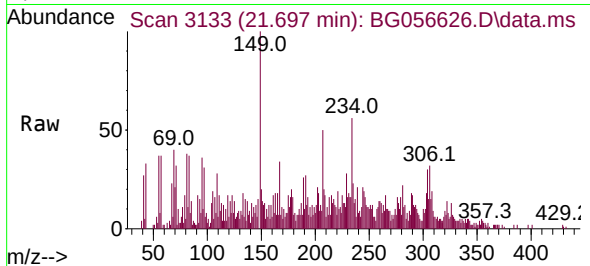
Tgt Ion:228 Resp: 342599
Ion Ratio Lower Upper
228 100
226 30.7 25.0 37.4
229 23.9 16.4 24.6





#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.625 ng
 RT: 21.697 min Scan# 3146
 Delta R.T. -0.000 min
 Lab File: BG056626.D
 Acq: 13 Feb 2023 19:28

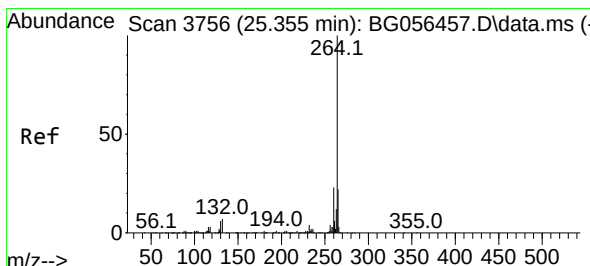
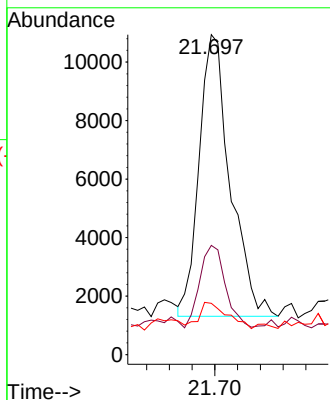
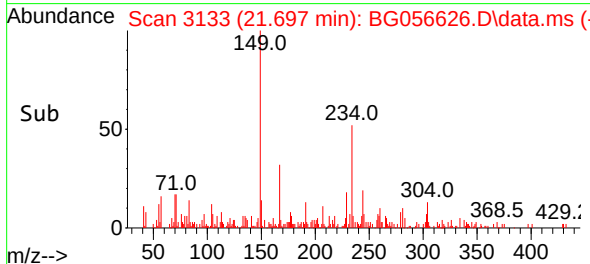
Instrument :
 BNA_G
 ClientSampleId :
 SB-06-0-2.0



Tgt Ion:149 Resp: 18282
 Ion Ratio Lower Upper
 149 100
 167 34.1 23.4 35.2
 279 16.0 4.4 6.6

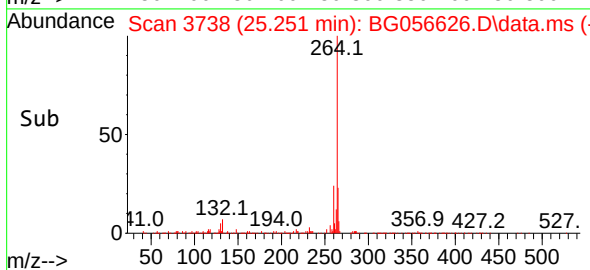
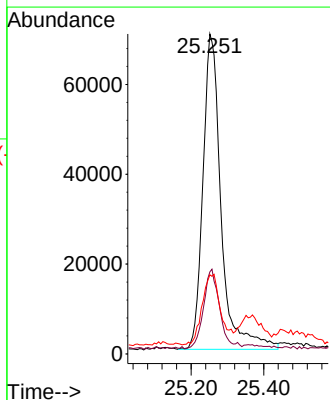
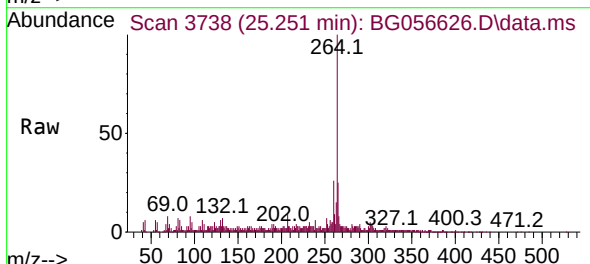
Manual Integrations
 APPROVED

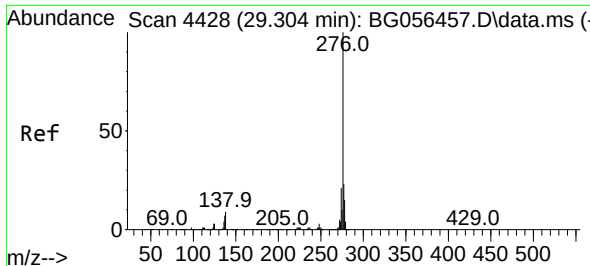
Reviewed By :Christian Giraldo 02/14/2023
 Supervised By :Jagrut Upadhyay 02/14/2023



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.251 min Scan# 3738
 Delta R.T. 0.017 min
 Lab File: BG056626.D
 Acq: 13 Feb 2023 19:28

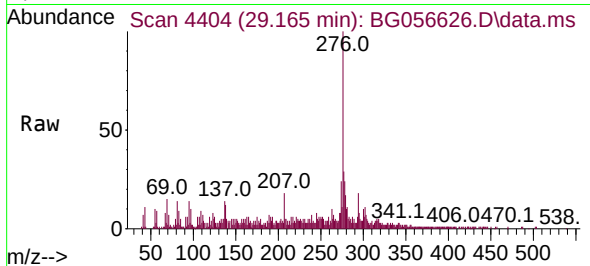
Tgt Ion:264 Resp: 244243
 Ion Ratio Lower Upper
 264 100
 260 25.7 18.2 27.4
 265 24.7 18.1 27.1





#87
Indeno(1,2,3-cd)pyrene
Concen: 8.830 ng
RT: 29.165 min Scan# 4428
Delta R.T. 0.035 min
Lab File: BG056626.D
Acq: 13 Feb 2023 19:28

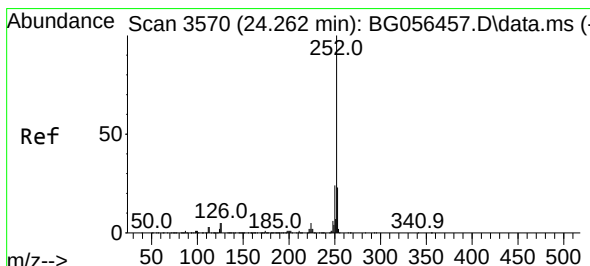
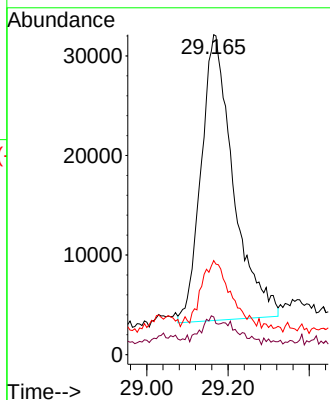
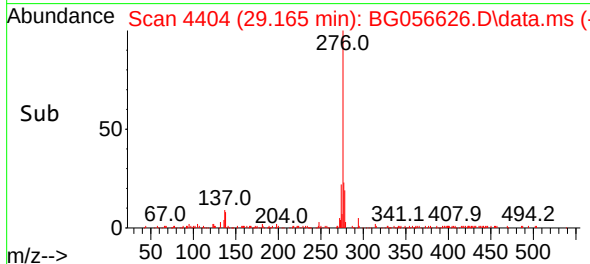
Instrument :
BNA_G
ClientSampleId :
SB-06-0-2.0



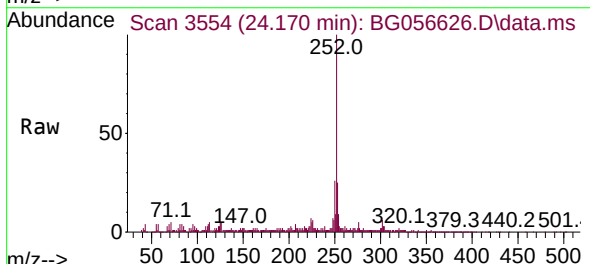
Tgt Ion:276 Resp: 157879
Ion Ratio Lower Upper
276 100
138 4.3 9.4 14.2
277 20.1 20.3 30.5

Manual Integrations
APPROVED

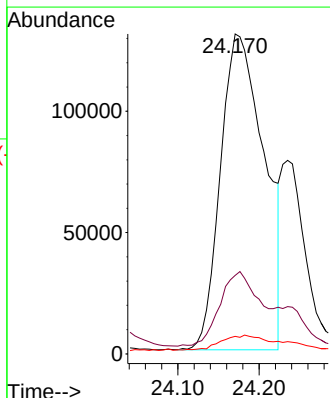
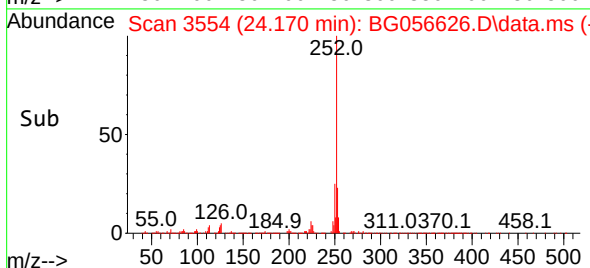
Reviewed By :Christian Giraldo 02/14/2023
Supervised By :Jagrut Upadhyay 02/14/2023

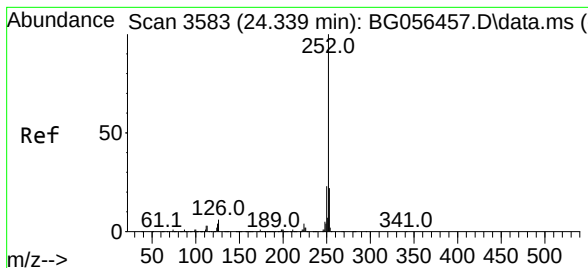


#88
Benzo(b)fluoranthene
Concen: 32.200 ng
RT: 24.170 min Scan# 3554
Delta R.T. 0.011 min
Lab File: BG056626.D
Acq: 13 Feb 2023 19:28



Tgt Ion:252 Resp: 488156
Ion Ratio Lower Upper
252 100
253 24.5 18.1 27.1
125 5.5 3.9 5.9





#89

Benzo(k)fluoranthene

Concen: 10.686 ng m

RT: 24.235 min Scan# 3565

Delta R.T. 0.005 min

Lab File: BG056626.D

Acq: 13 Feb 2023 19:28

Instrument :

BNA_G

ClientSampleId :

SB-06-0-2.0

Tgt Ion:252 Resp: 163565

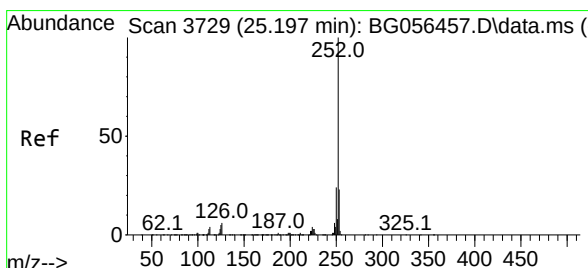
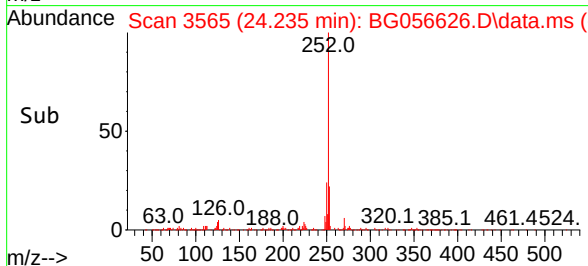
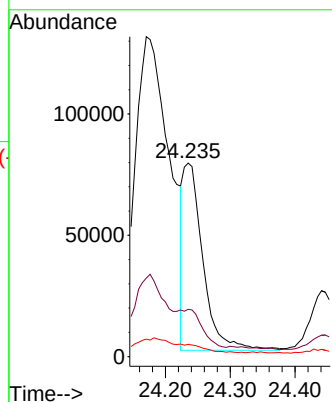
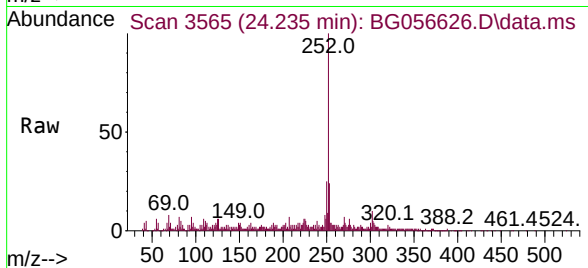
Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.5	26.3
125	6.3	3.4	5.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/14/2023

Supervised By :Jagrut Upadhyay 02/14/2023



#90

Benzo(a)pyrene

Concen: 23.816 ng

RT: 25.099 min Scan# 3712

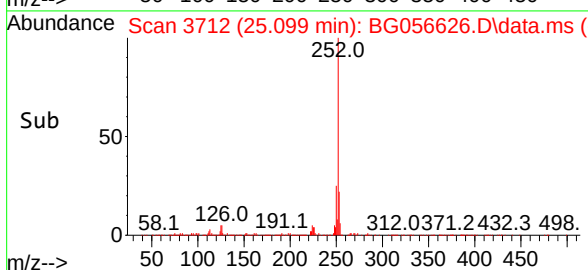
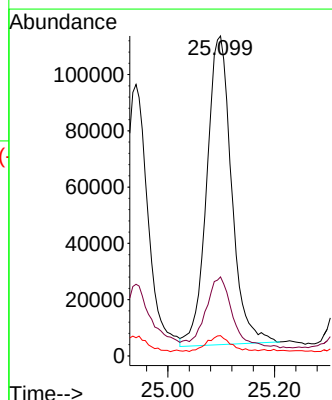
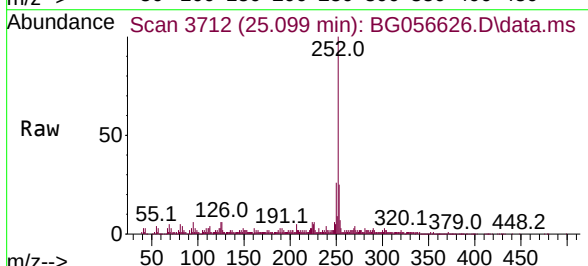
Delta R.T. 0.017 min

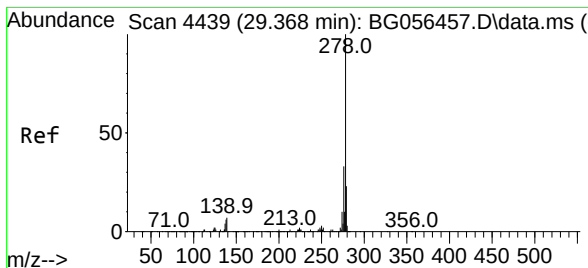
Lab File: BG056626.D

Acq: 13 Feb 2023 19:28

Tgt Ion:252 Resp: 355655

Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.4	27.6
125	6.3	4.1	6.1





#91

Dibenzo(a,h)anthracene

Concen: 3.034 ng

RT: 29.188 min Scan# 4439

Delta R.T. 0.005 min

Lab File: BG056626.D

Acq: 13 Feb 2023 19:28

Instrument :

BNA_G

ClientSampleId :

SB-06-0-2.0

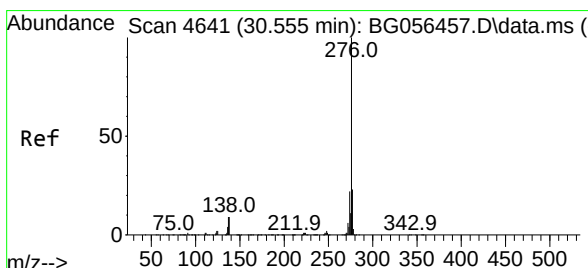
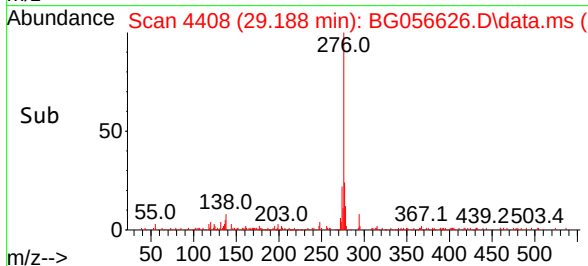
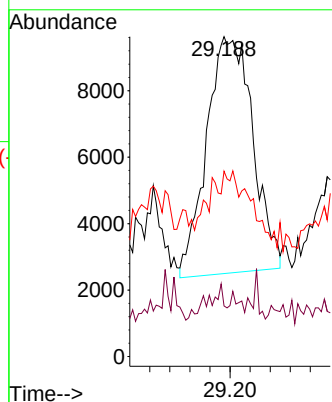
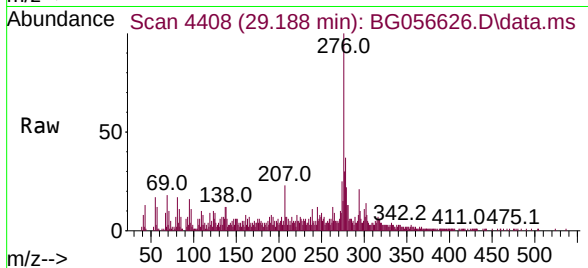
Tgt Ion:	278	Resp:	45534
Ion Ratio	Lower	Upper	
278	100		
139	15.8	5.5	8.3#
279	57.9	18.8	28.2#

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/14/2023

Supervised By :Jagrut Upadhyay 02/14/2023



#92

Benzo(g,h,i)perylene

Concen: 13.973 ng

RT: 30.404 min Scan# 4615

Delta R.T. 0.052 min

Lab File: BG056626.D

Acq: 13 Feb 2023 19:28

Tgt Ion:	276	Resp:	202339
Ion Ratio	Lower	Upper	
276	100		
277	27.8	18.5	27.7#
138	11.5	7.4	11.0#

