

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
 Data File : BG056625.D
 Acq On : 13 Feb 2023 18:47
 Operator : CG/JU
 Sample : 01529-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-05-5.0-7.0

Manual Integrations
 APPROVED

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

Quant Time: Feb 14 02:08:21 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	8.208	152	46409	20.000	ng	# 0.00
21) Naphthalene-d8	11.040	136	168315	20.000	ng	0.00
39) Acenaphthene-d10	14.835	164	114800	20.000	ng	0.00
64) Phenanthrene-d10	17.579	188	253775	20.000	ng	0.00
76) Chrysene-d12	21.862	240	233541	20.000	ng	0.00
86) Perylene-d12	25.258	264	265262	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.740	112	280660	111.249	ng	0.01
7) Phenol-d6	7.373	99	371474	99.379	ng	0.00
23) Nitrobenzene-d5	9.389	82	201479	67.974	ng	0.00
42) 2,4,6-Tribromophenol	16.328	330	146671	96.102	ng	0.00
45) 2-Fluorobiphenyl	13.460	172	603782	72.918	ng	0.00
79) Terphenyl-d14	20.158	244	878464	66.066	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.093	128	35551	4.002	ng	99
49) Acenaphthylene	14.565	152	109360	10.328	ng	99
52) Acenaphthene	14.900	154	23240	3.701	ng	94
55) Dibenzofuran	15.229	168	26179	2.325	ng	97
58) Fluorene	15.875	166	32669	3.646	ng	96
71) Phenanthrene	17.620	178	802039	60.385	ng	99
72) Anthracene	17.708	178	218175	16.002	ng	99
73) Carbazole	17.979	167	75380	6.491	ng	99
75) Fluoranthene	19.624	202	2383731	142.197	ng	95
78) Pyrene	19.988	202	2419950	145.693	ng	95
81) Benzo(a)anthracene	21.845	228	1508970	92.421	ng	96
83) Chrysene	21.915	228	1322366	86.209	ng	96
87) Indeno(1,2,3-cd)pyrene	29.189	276	1006722	51.846	ng	# 95
88) Benzo(b)fluoranthene	24.183	252	2050239	124.524	ng	98
89) Benzo(k)fluoranthene	24.242	252	725571m	43.648	ng	
90) Benzo(a)pyrene	25.111	252	1706855	105.241	ng	98
91) Dibenzo(a,h)anthracene	29.207	278	237751	14.587	ng	# 80
92) Benzo(g,h,i)perylene	30.429	276	1022587	65.022	ng	97

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

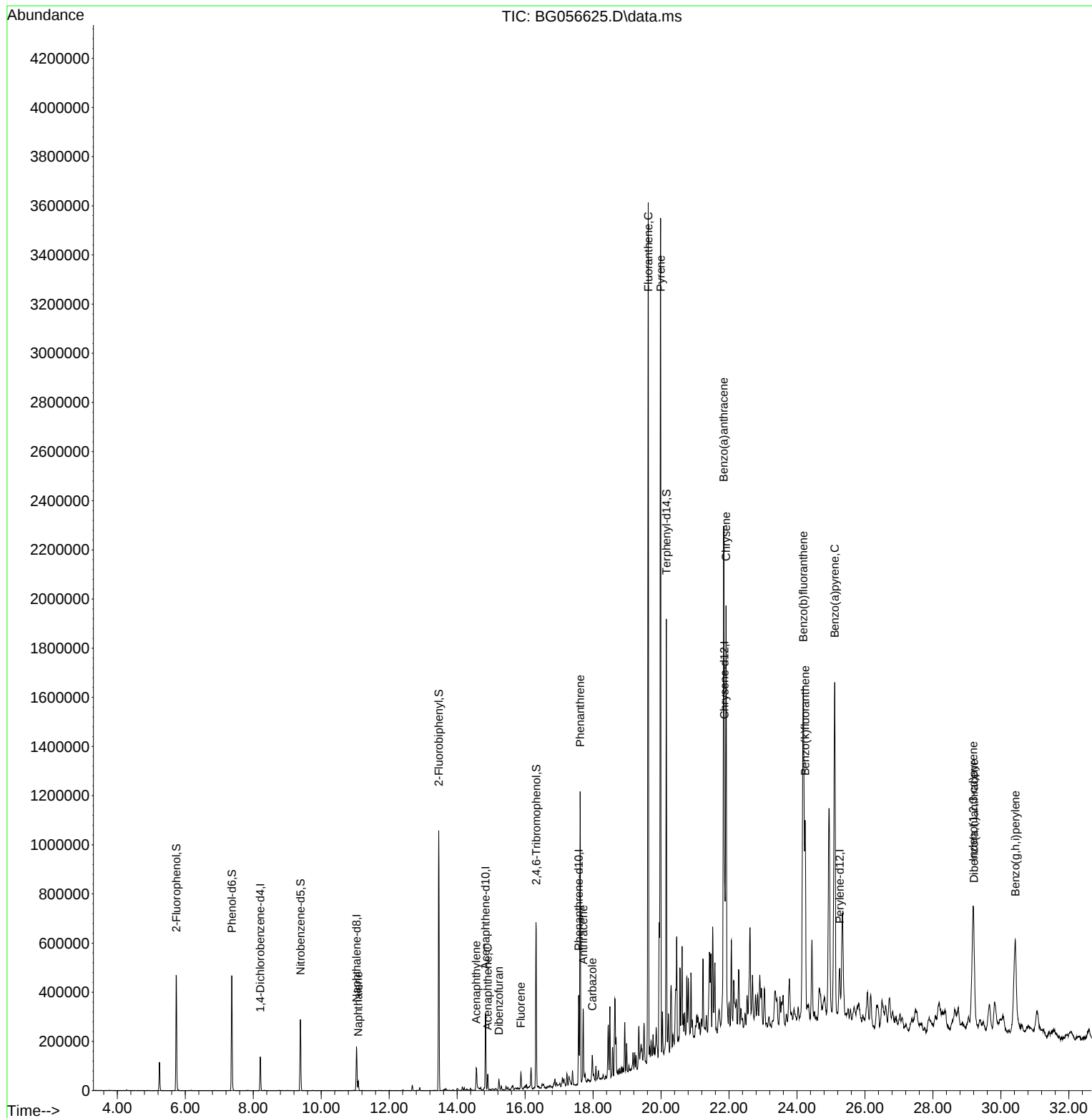
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021323\
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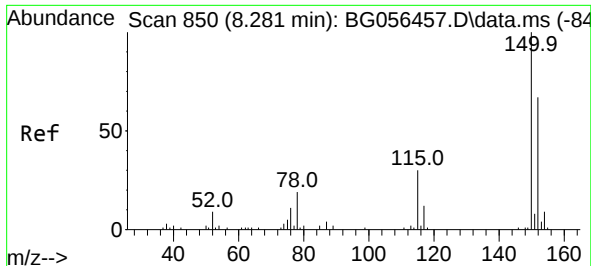
Instrument :
BNA_G
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SB-05-5.0-7.0

Quant Time: Feb 14 02:08:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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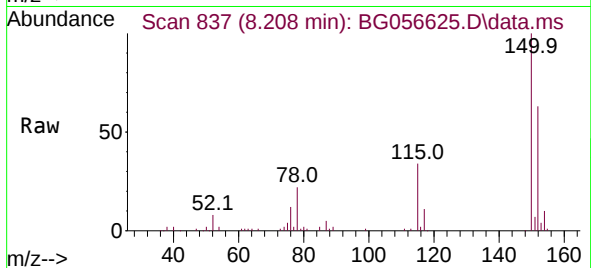
Reviewed By : Christian Giraldo 02/14/2023
Supervised By : Jagrut Upadhyay 02/14/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.208 min Scan# 84
Delta R.T. 0.001 min
Lab File: BG056625.D
Acq: 13 Feb 2023 18:47

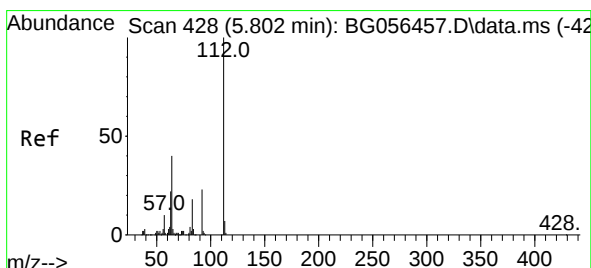
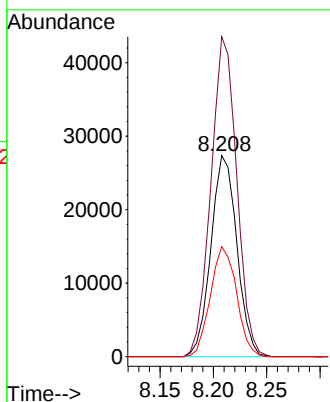
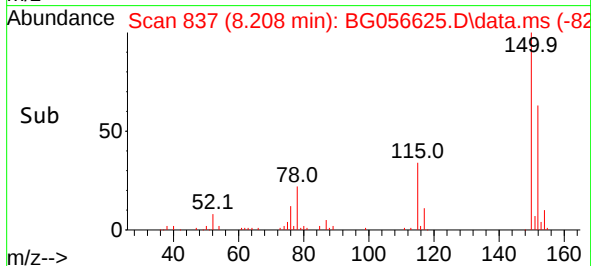
Instrument :
BNA_G
ClientSampleId :
SB-05-5.0-7.0



Tgt Ion:152 Resp: 46409
Ion Ratio Lower Upper
152 100
150 159.2 120.2 180.4
115 54.7 36.3 54.5

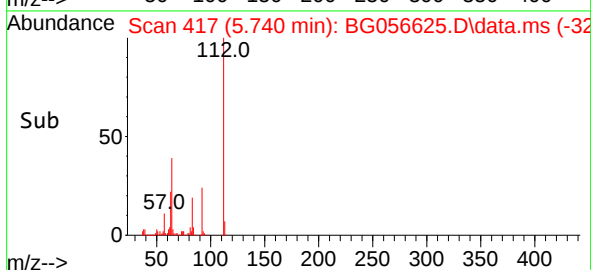
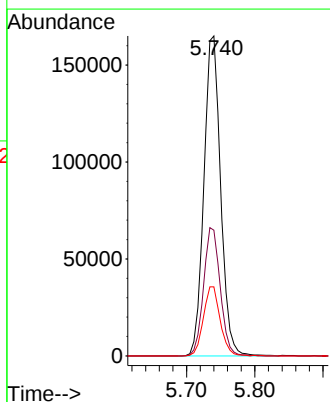
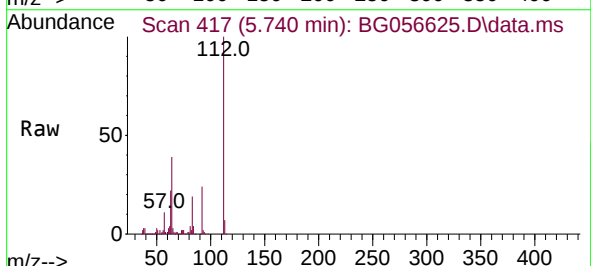
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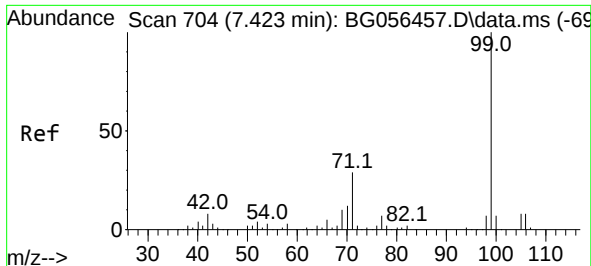
Reviewed By :Christian Giraldo 02/14/2023
Supervised By :Jagrut Upadhyay 02/14/2023



#5
2-Fluorophenol
Concen: 111.249 ng
RT: 5.740 min Scan# 417
Delta R.T. 0.012 min
Lab File: BG056625.D
Acq: 13 Feb 2023 18:47

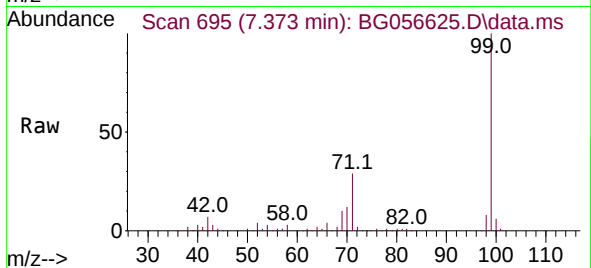
Tgt Ion:112 Resp: 280660
Ion Ratio Lower Upper
112 100
64 39.3 31.9 47.9
63 21.6 17.4 26.0





#7
Phenol-d6
Concen: 99.379 ng
RT: 7.373 min Scan# 695
Delta R.T. 0.006 min
Lab File: BG056625.D
Acq: 13 Feb 2023 18:47

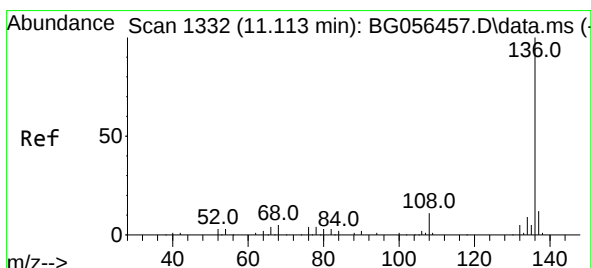
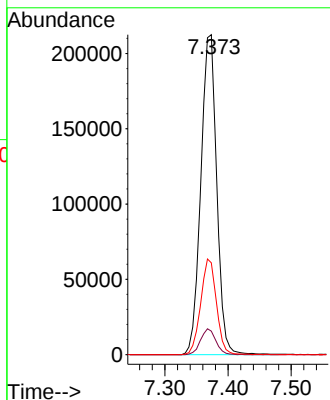
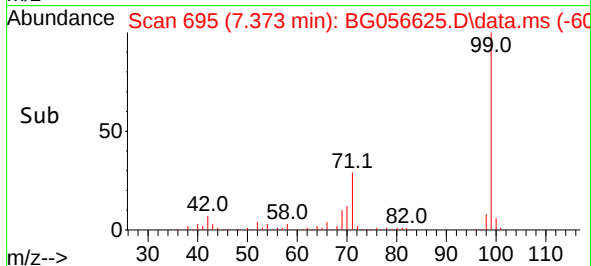
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BNA_G
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SB-05-5.0-7.0



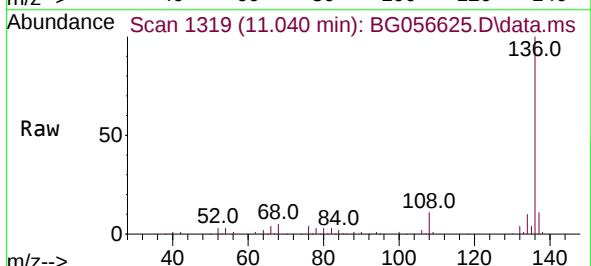
Tgt Ion: 99 Resp: 371474
Ion Ratio Lower Upper
99 100
42 7.3 6.6 10.0
71 28.7 23.4 35.0

Manual Integrations
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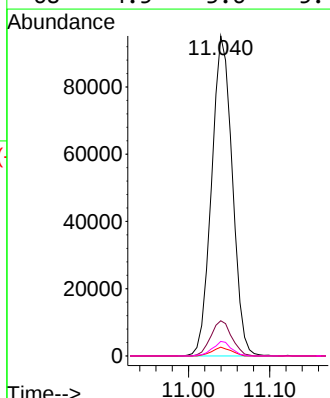
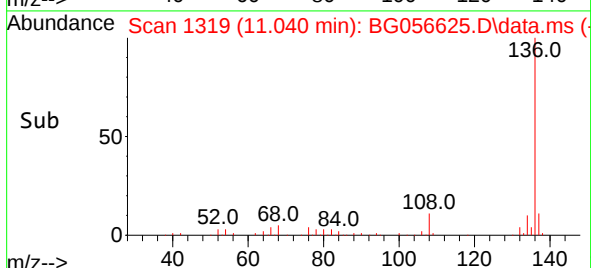
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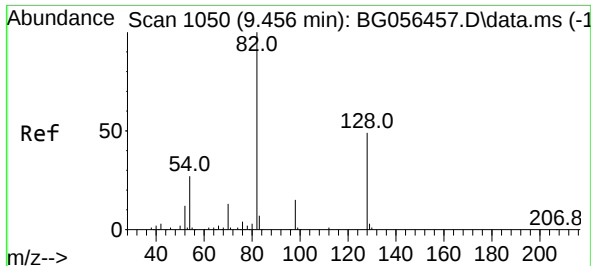


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.040 min Scan# 1319
Delta R.T. -0.005 min
Lab File: BG056625.D
Acq: 13 Feb 2023 18:47



Tgt Ion:136 Resp: 168315
Ion Ratio Lower Upper
136 100
137 11.0 9.4 14.0
54 2.7 2.2 3.4
68 4.5 3.6 5.4





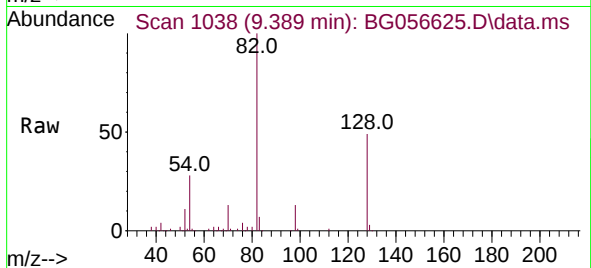
#23
Nitrobenzene-d5
Concen: 67.974 ng
RT: 9.389 min Scan# 1050
Delta R.T. 0.000 min
Lab File: BG056625.D
Acq: 13 Feb 2023 18:47

Instrument :

BNA_G

ClientSampleId :

SB-05-5.0-7.0

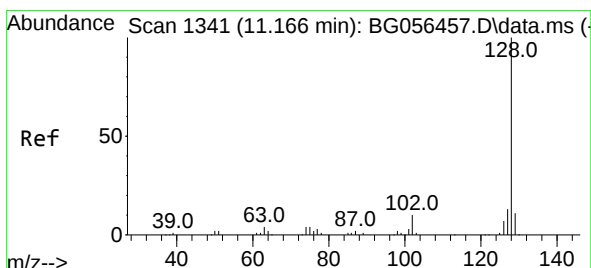
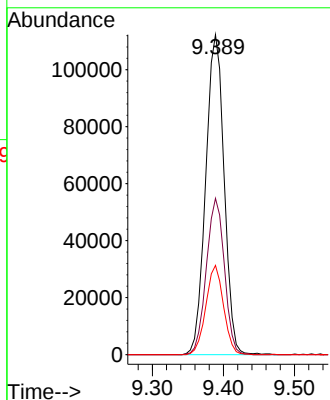
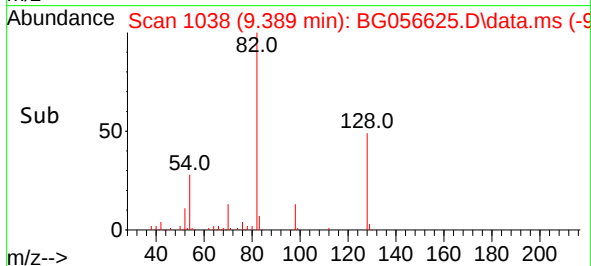


Tgt Ion: 82 Resp: 201479
Ion Ratio Lower Upper
82 100
128 48.8 39.4 59.2
54 27.9 21.4 32.2

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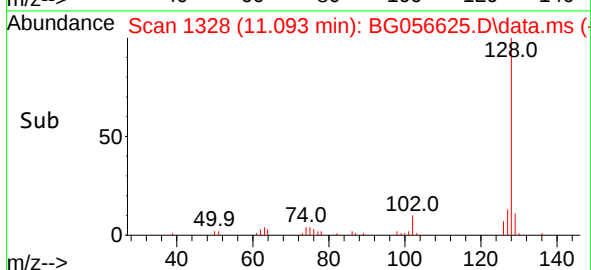
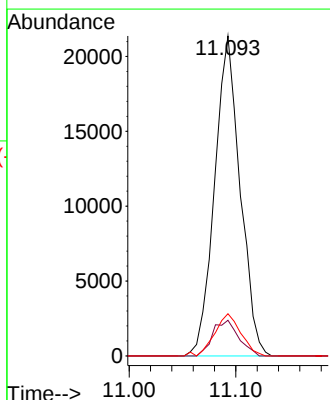
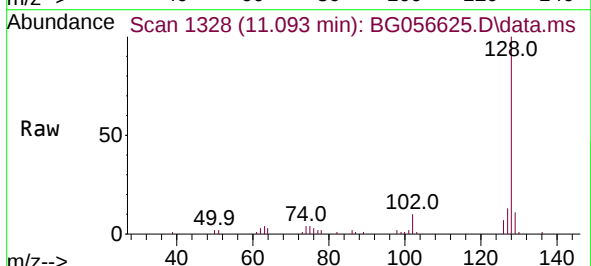
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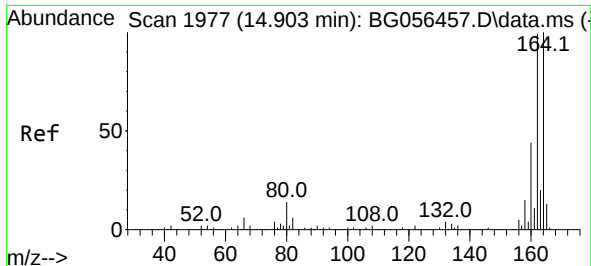
Reviewed By :Christian Giraldo 02/14/2023
Supervised By :Jagrut Upadhyay 02/14/2023



#31
Naphthalene
Concen: 4.002 ng
RT: 11.093 min Scan# 1328
Delta R.T. -0.005 min
Lab File: BG056625.D
Acq: 13 Feb 2023 18:47

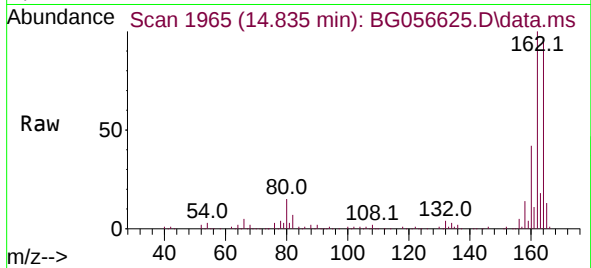
Tgt Ion:128 Resp: 35551
Ion Ratio Lower Upper
128 100
129 11.1 8.7 13.1
127 13.2 10.4 15.6





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.835 min Scan# 1977
Delta R.T. -0.005 min
Lab File: BG056625.D
Acq: 13 Feb 2023 18:47

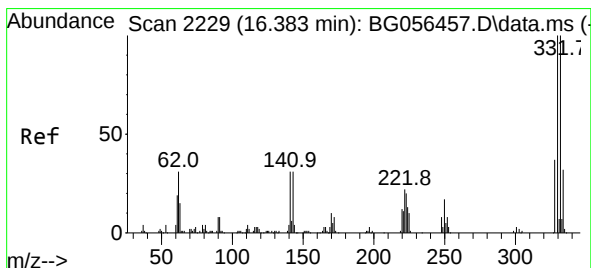
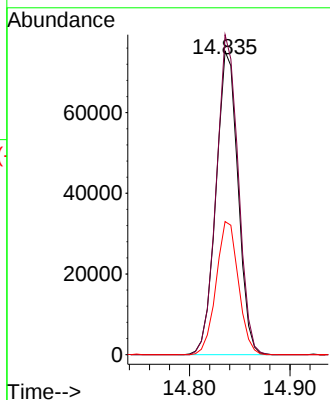
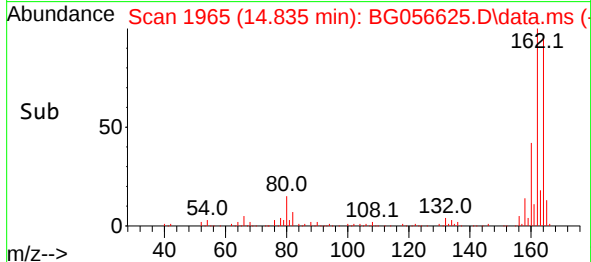
Instrument :
BNA_G
ClientSampleId :
SB-05-5.0-7.0



Tgt Ion:164 Resp: 114800
Ion Ratio Lower Upper
164 100
162 105.5 79.6 119.4
160 43.9 34.9 52.3

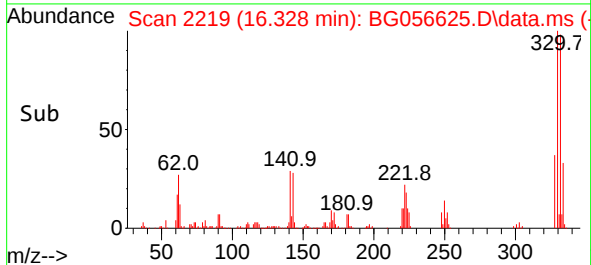
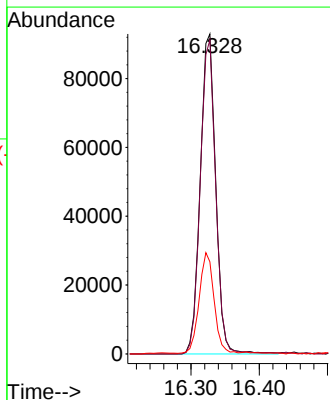
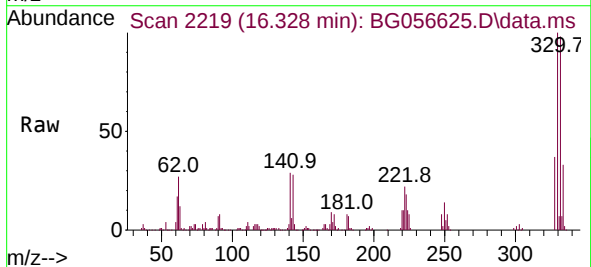
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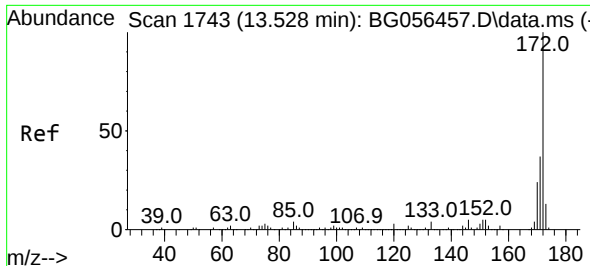
Reviewed By :Christian Giraldo 02/14/2023
Supervised By :Jagrut Upadhyay 02/14/2023



#42
2,4,6-Tribromophenol
Concen: 96.102 ng
RT: 16.328 min Scan# 2219
Delta R.T. 0.000 min
Lab File: BG056625.D
Acq: 13 Feb 2023 18:47

Tgt Ion:330 Resp: 146671
Ion Ratio Lower Upper
330 100
332 97.2 79.0 118.6
141 30.2 24.2 36.4





#45
2-Fluorobiphenyl
Concen: 72.918 ng
RT: 13.460 min Scan# 1743
Delta R.T. -0.005 min
Lab File: BG056625.D
Acq: 13 Feb 2023 18:47

Instrument :

BNA_G

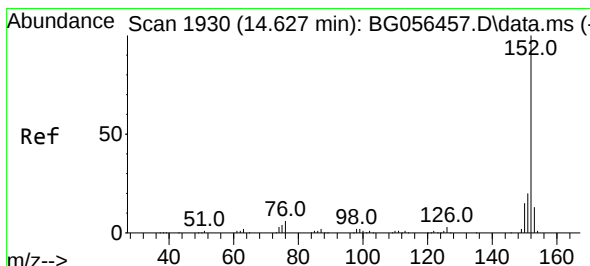
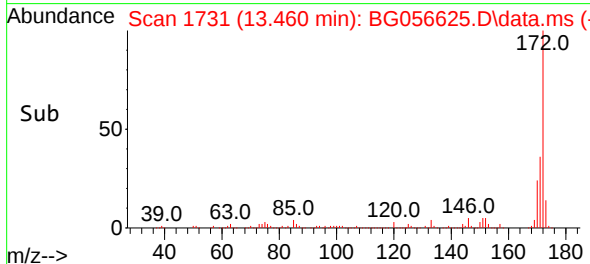
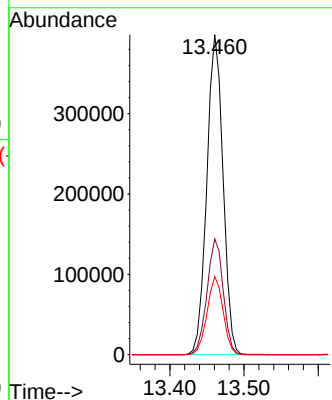
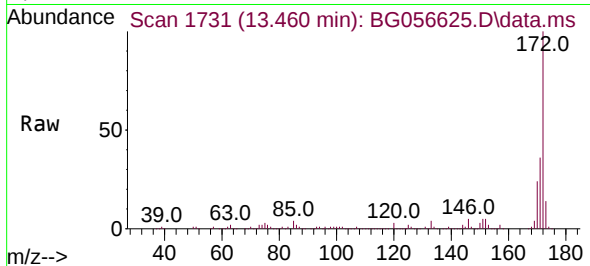
ClientSampleId :

SB-05-5.0-7.0

Tgt Ion:172 Resp: 603782
Ion Ratio Lower Upper
172 100
171 36.1 29.5 44.3
170 24.4 19.2 28.8

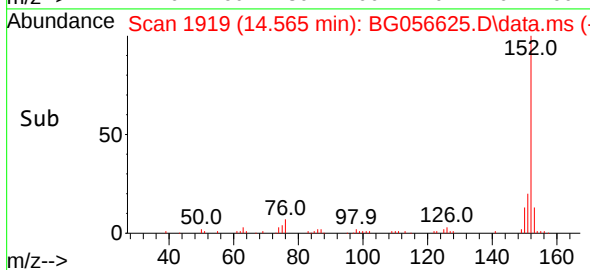
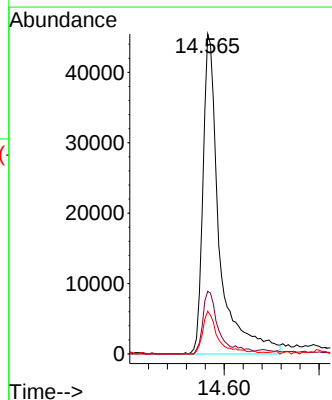
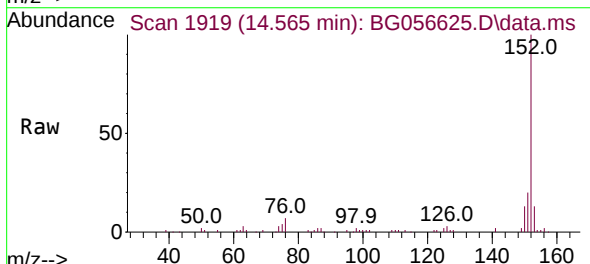
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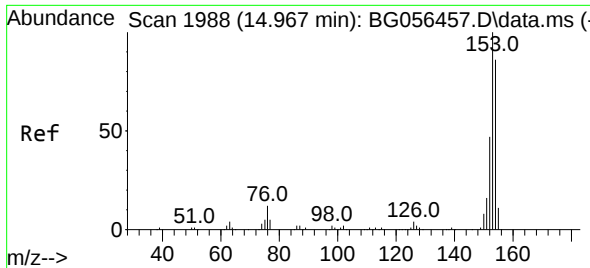
Reviewed By :Christian Giraldo 02/14/2023
Supervised By :Jagrut Upadhyay 02/14/2023



#49
Acenaphthylene
Concen: 10.328 ng
RT: 14.565 min Scan# 1919
Delta R.T. -0.005 min
Lab File: BG056625.D
Acq: 13 Feb 2023 18:47

Tgt Ion:152 Resp: 109360
Ion Ratio Lower Upper
152 100
151 19.5 15.9 23.9
153 13.3 10.5 15.7





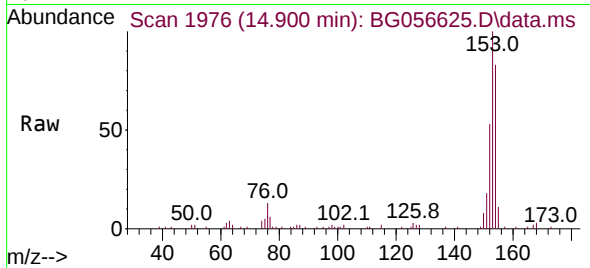
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Acenaphthene
Concen: 3.701 ng
RT: 14.900 min Scan# 1988
Delta R.T. -0.005 min
Lab File: BG056625.D
Acq: 13 Feb 2023 18:47

Instrument :

BNA_G

ClientSampleId :

SB-05-5.0-7.0

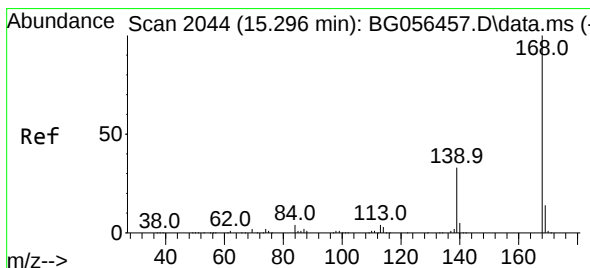
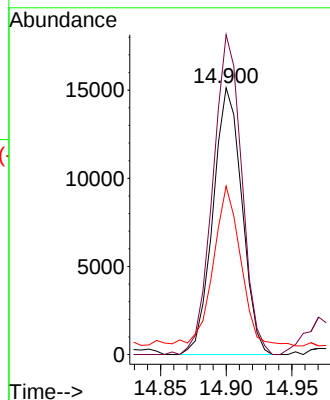
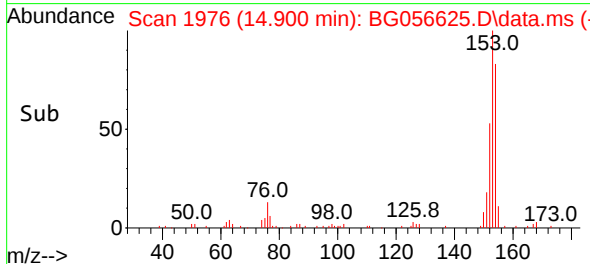


Tgt Ion:154 Resp: 23240
Ion Ratio Lower Upper
154 100
153 119.9 93.4 140.0
152 63.1 43.4 65.2

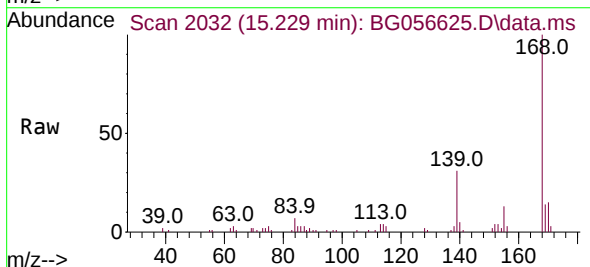
Manual Integrations

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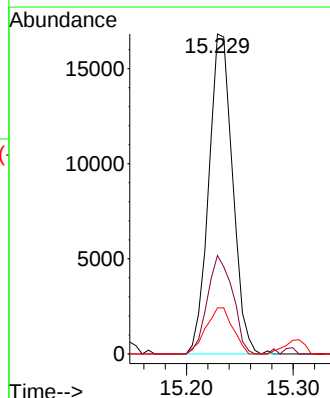
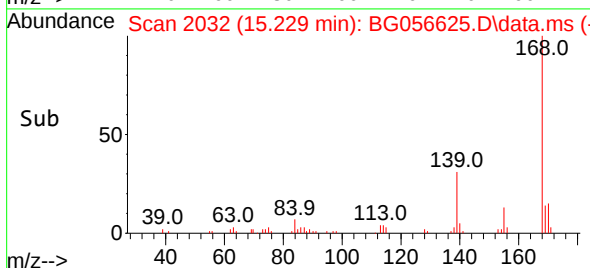
Reviewed By :Christian Giraldo 02/14/2023
Supervised By :Jagrut Upadhyay 02/14/2023

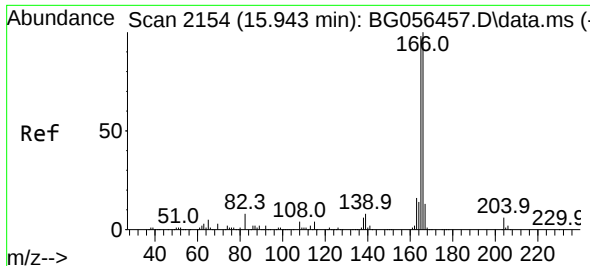


#55
Dibenzofuran
Concen: 2.325 ng
RT: 15.229 min Scan# 2032
Delta R.T. -0.011 min
Lab File: BG056625.D
Acq: 13 Feb 2023 18:47



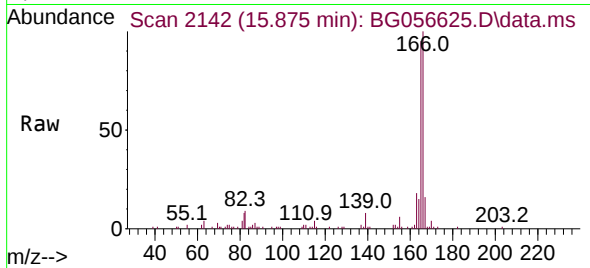
Tgt Ion:168 Resp: 26179
Ion Ratio Lower Upper
168 100
139 30.7 26.2 39.2
169 14.4 11.0 16.6





#58
 Fluorene
 Concen: 3.646 ng
 RT: 15.875 min Scan# 2154
 Delta R.T. -0.011 min
 Lab File: BG056625.D
 Acq: 13 Feb 2023 18:47

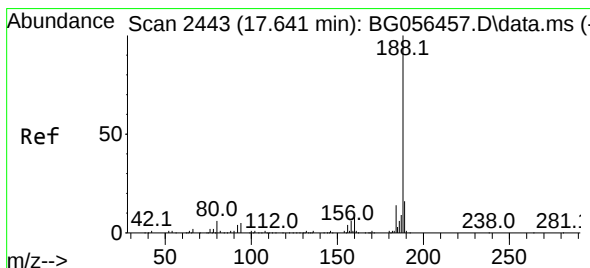
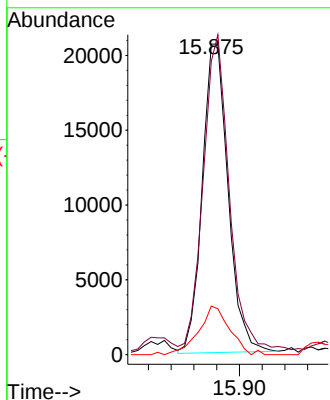
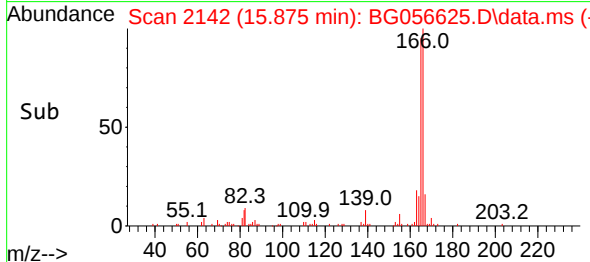
Instrument :
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 ClientSampleId :
 SB-05-5.0-7.0



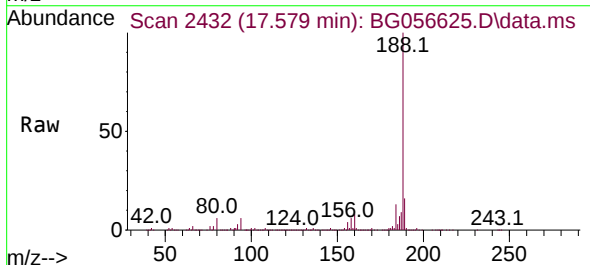
Tgt Ion:166 Resp: 32669
 Ion Ratio Lower Upper
 166 100
 165 94.5 78.8 118.2
 167 15.6 10.6 15.8

Manual Integrations
 APPROVED

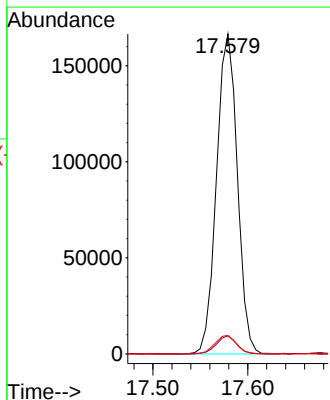
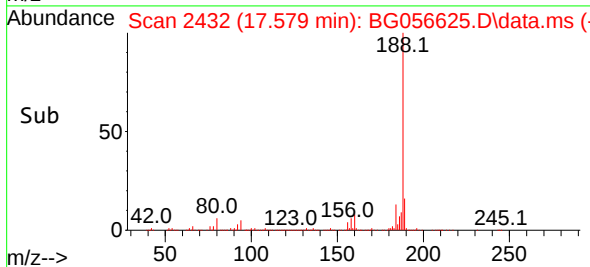
Reviewed By :Christian Giraldo 02/14/2023
 Supervised By :Jagrut Upadhyay 02/14/2023

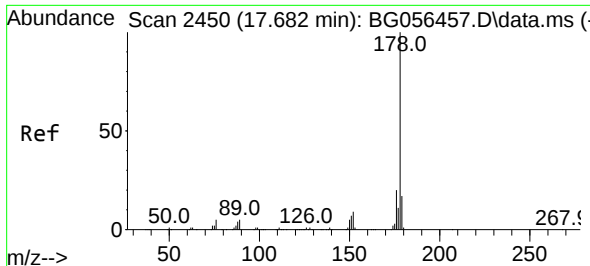


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.579 min Scan# 2432
 Delta R.T. -0.005 min
 Lab File: BG056625.D
 Acq: 13 Feb 2023 18:47



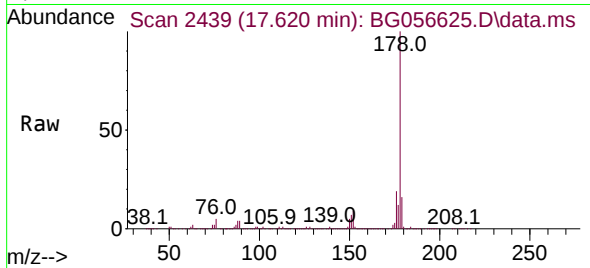
Tgt Ion:188 Resp: 253775
 Ion Ratio Lower Upper
 188 100
 94 5.6 4.1 6.1
 80 5.8 5.0 7.4





#71
Phenanthrene
Concen: 60.385 ng
RT: 17.620 min Scan# 2450
Delta R.T. -0.005 min
Lab File: BG056625.D
Acq: 13 Feb 2023 18:47

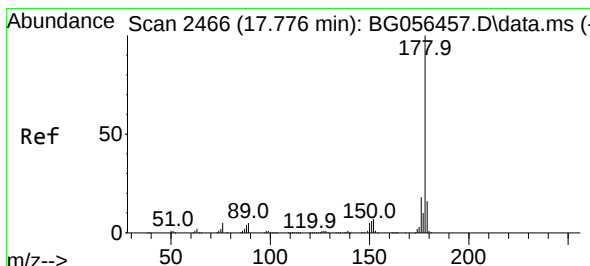
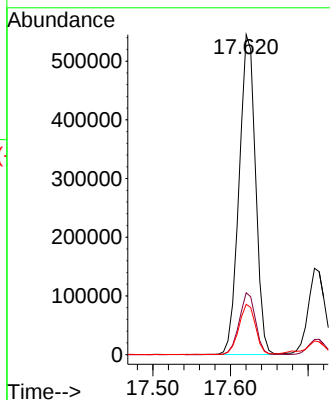
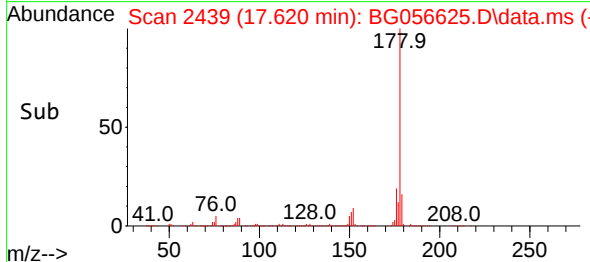
Instrument :
BNA_G
ClientSampleId :
SB-05-5.0-7.0



Tgt Ion:178 Resp: 802039
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 15.7 13.3 19.9

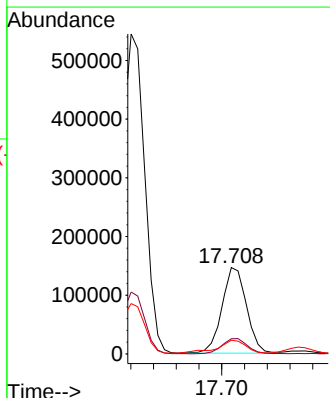
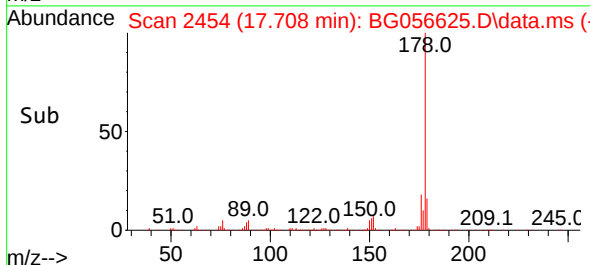
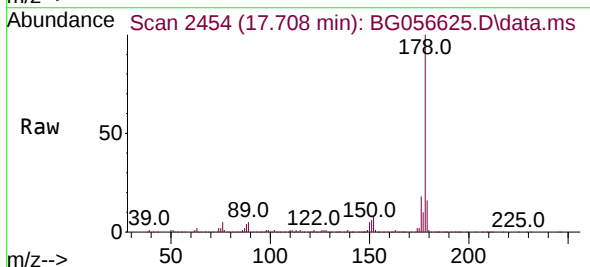
Manual Integrations
APPROVED

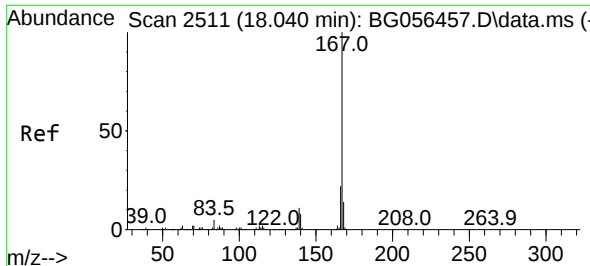
Reviewed By :Christian Giraldo 02/14/2023
Supervised By :Jagrut Upadhyay 02/14/2023



#72
Anthracene
Concen: 16.002 ng
RT: 17.708 min Scan# 2454
Delta R.T. -0.005 min
Lab File: BG056625.D
Acq: 13 Feb 2023 18:47

Tgt Ion:178 Resp: 218175
Ion Ratio Lower Upper
178 100
176 17.6 14.5 21.7
179 15.9 12.5 18.7





#73
 Carbazole
 Concen: 6.491 ng
 RT: 17.979 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BG056625.D
 Acq: 13 Feb 2023 18:47

Instrument :

BNA_G

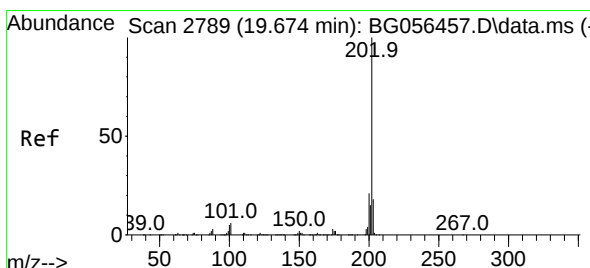
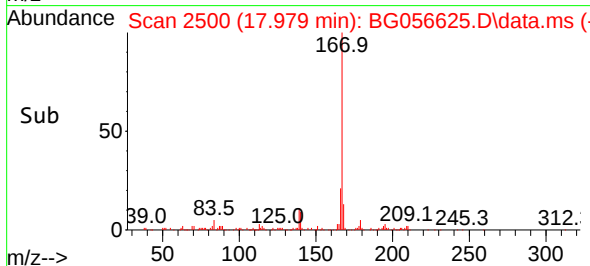
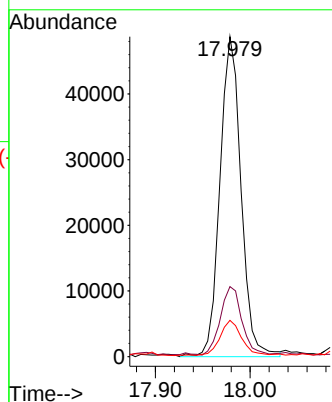
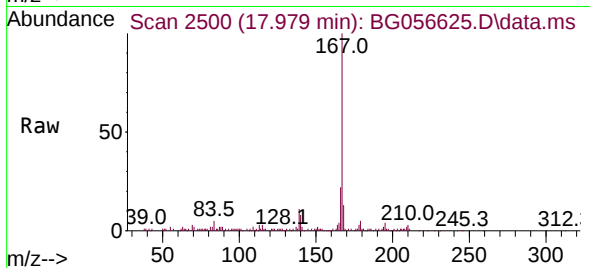
ClientSampleId :

SB-05-5.0-7.0

Tgt Ion:167 Resp: 75380
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.8 26.6
 139 11.4 8.9 13.3

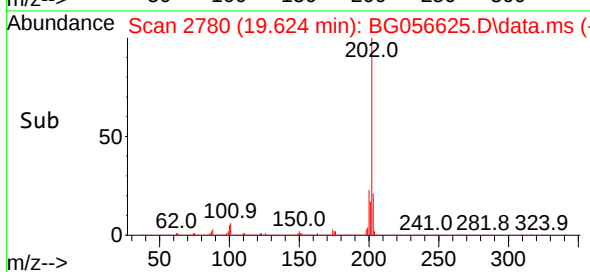
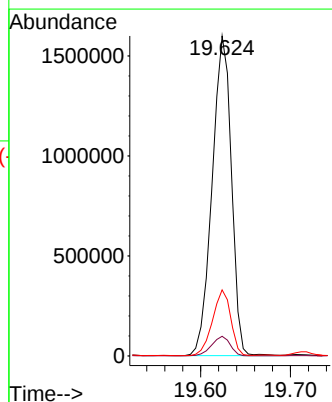
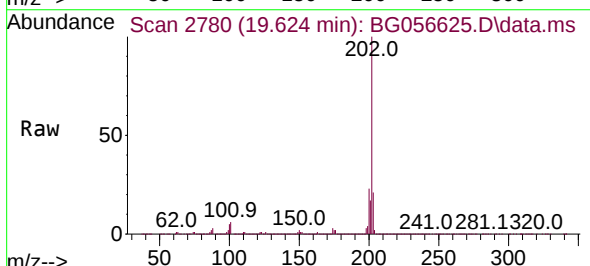
Manual Integrations
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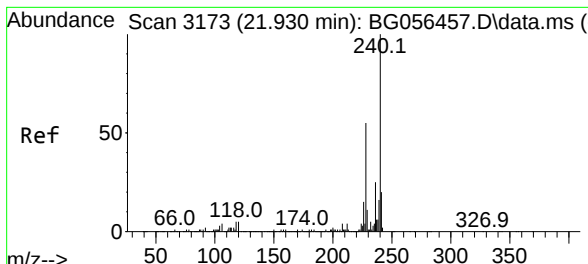
Reviewed By :Christian Giraldo 02/14/2023
 Supervised By :Jagrut Upadhyay 02/14/2023



#75
 Fluoranthene
 Concen: 142.197 ng
 RT: 19.624 min Scan# 2780
 Delta R.T. 0.000 min
 Lab File: BG056625.D
 Acq: 13 Feb 2023 18:47

Tgt Ion:202 Resp: 2383731
 Ion Ratio Lower Upper
 202 100
 101 6.1 0.0 25.6
 203 20.6 0.0 38.1





#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.862 min Scan# 3176
 Delta R.T. 0.000 min
 Lab File: BG056625.D
 Acq: 13 Feb 2023 18:47

Instrument :

BNA_G

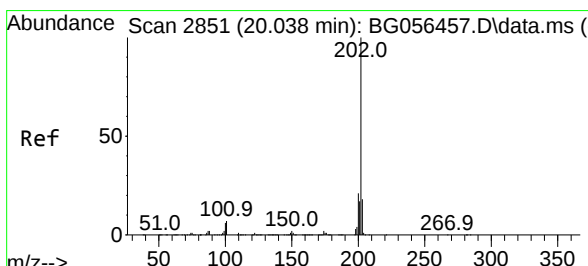
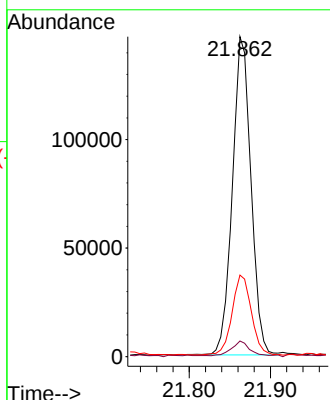
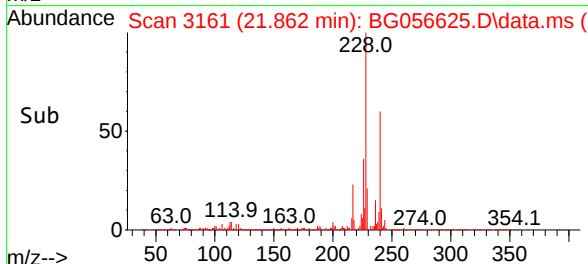
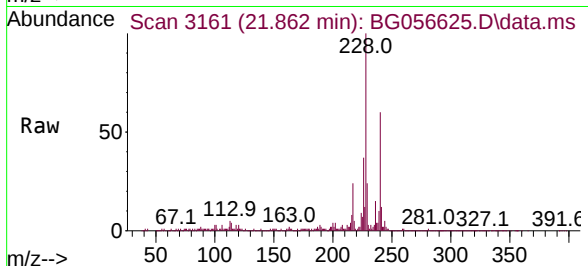
ClientSampleId :

SB-05-5.0-7.0

Tgt Ion:240 Resp: 23354
 Ion Ratio Lower Upper
 240 100
 120 4.9 3.8 5.8
 236 25.5 20.2 30.2

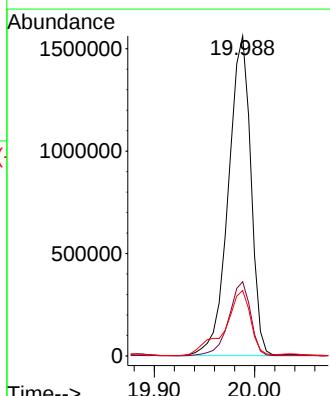
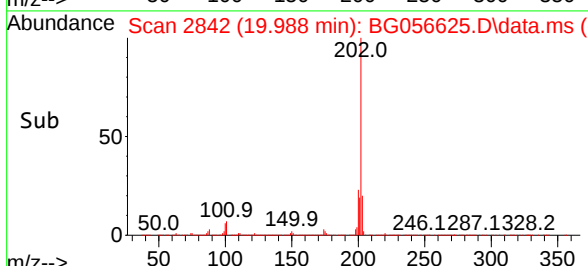
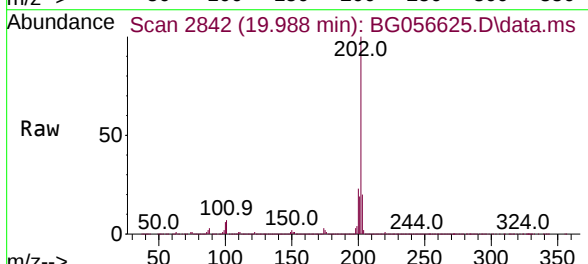
Manual Integrations
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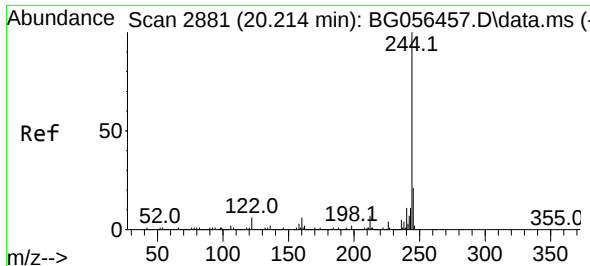
Reviewed By :Christian Giraldo 02/14/2023
 Supervised By :Jagrut Upadhyay 02/14/2023



#78
 Pyrene
 Concen: 145.693 ng
 RT: 19.988 min Scan# 2842
 Delta R.T. 0.006 min
 Lab File: BG056625.D
 Acq: 13 Feb 2023 18:47

Tgt Ion:202 Resp: 2419950
 Ion Ratio Lower Upper
 202 100
 200 23.2 16.7 25.1
 203 20.4 14.4 21.6





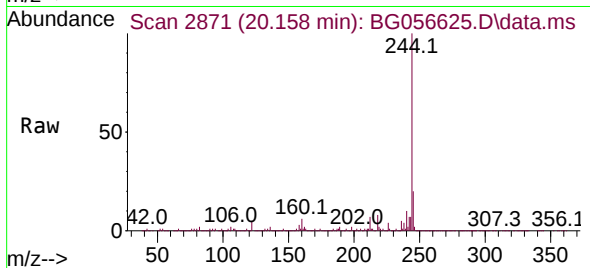
#79
 Terphenyl-d14
 Concen: 66.066 ng
 RT: 20.158 min Scan# 2881
 Delta R.T. 0.000 min
 Lab File: BG056625.D
 Acq: 13 Feb 2023 18:47

Instrument :

BNA_G

ClientSampleId :

SB-05-5.0-7.0

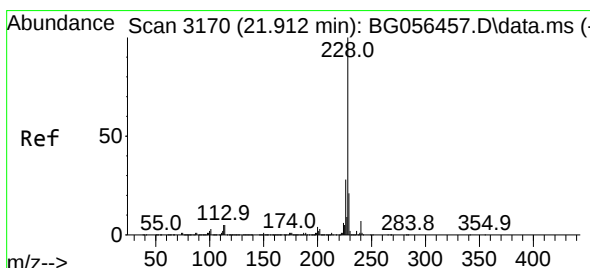
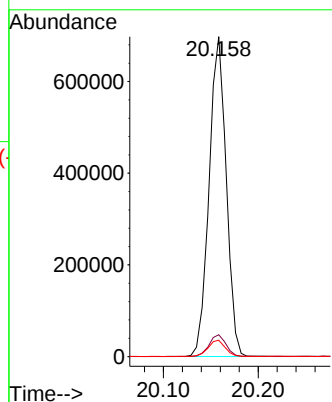
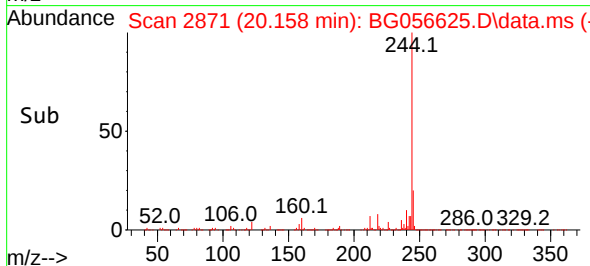


Tgt Ion:244 Resp: 878464
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.5 8.3
 122 5.1 4.4 6.6

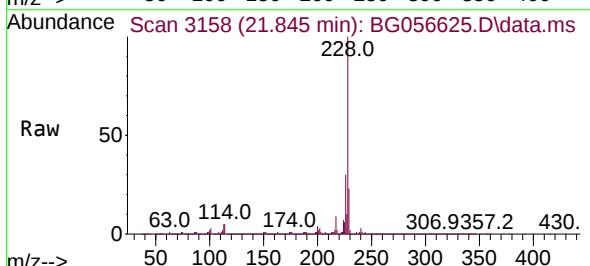
Manual Integrations

APPROVED

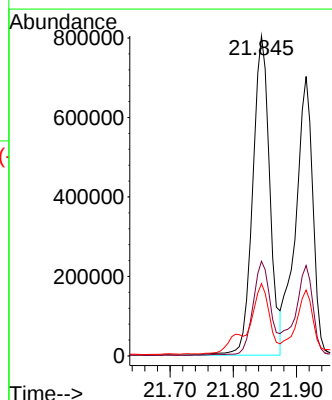
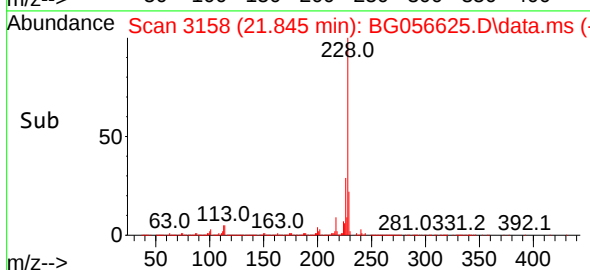
Reviewed By :Christian Giraldo 02/14/2023
 Supervised By :Jagrut Upadhyay 02/14/2023

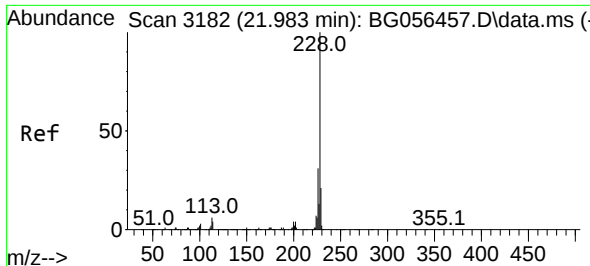


#81
 Benzo(a)anthracene
 Concen: 92.421 ng
 RT: 21.845 min Scan# 3158
 Delta R.T. 0.006 min
 Lab File: BG056625.D
 Acq: 13 Feb 2023 18:47



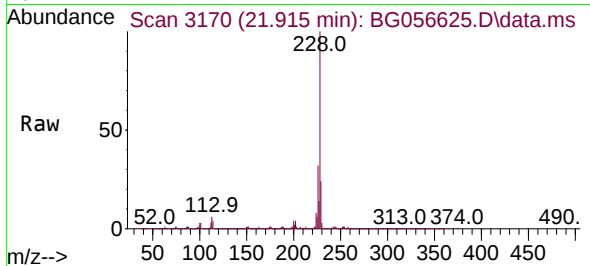
Tgt Ion:228 Resp: 1508970
 Ion Ratio Lower Upper
 228 100
 226 29.6 22.4 33.6
 229 22.6 16.5 24.7





#83
Chrysene
Concen: 86.209 ng
RT: 21.915 min Scan# 3182
Delta R.T. 0.006 min
Lab File: BG056625.D
Acq: 13 Feb 2023 18:47

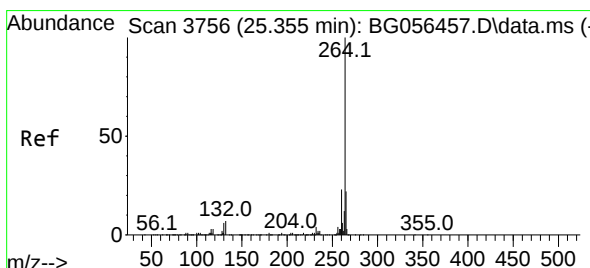
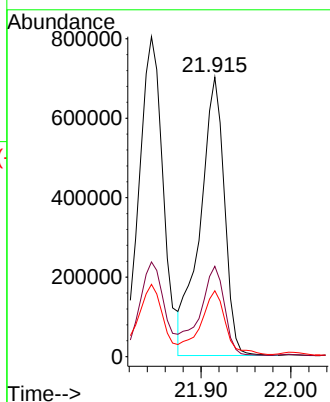
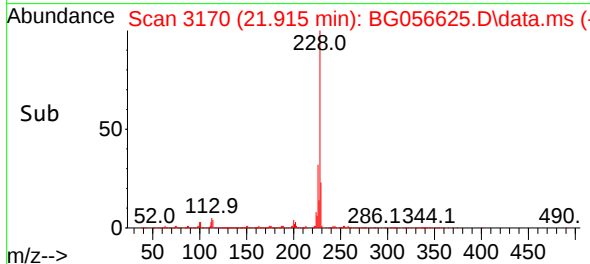
Instrument :
BNA_G
ClientSampleId :
SB-05-5.0-7.0



Tgt Ion:228 Resp: 1322366
Ion Ratio Lower Upper
228 100
226 32.4 25.0 37.4
229 23.5 16.4 24.6

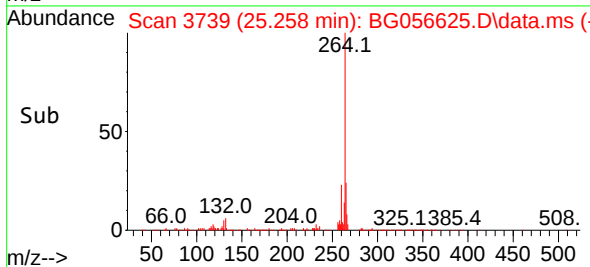
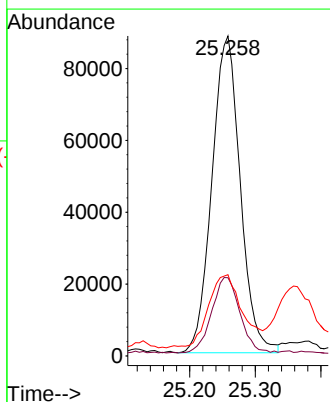
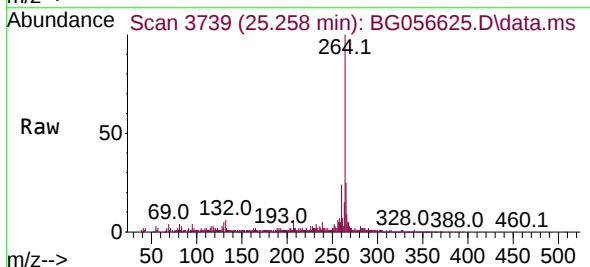
Manual Integrations
APPROVED

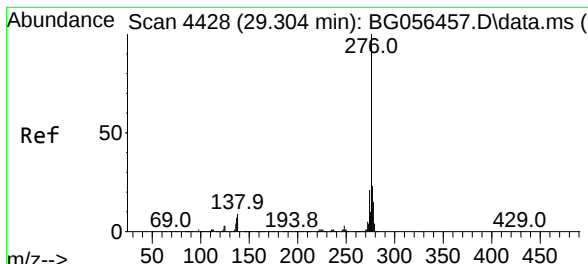
Reviewed By :Christian Giraldo 02/14/2023
Supervised By :Jagrut Upadhyay 02/14/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.258 min Scan# 3739
Delta R.T. 0.024 min
Lab File: BG056625.D
Acq: 13 Feb 2023 18:47

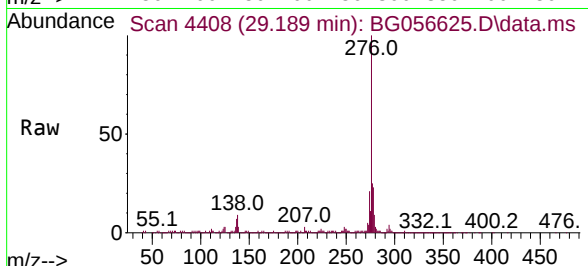
Tgt Ion:264 Resp: 265262
Ion Ratio Lower Upper
264 100
260 24.4 18.2 27.4
265 25.4 18.1 27.1





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 51.846 ng
 RT: 29.189 min Scan# 4428
 Delta R.T. 0.059 min
 Lab File: BG056625.D
 Acq: 13 Feb 2023 18:47

Instrument : BNA_G
 ClientSampleId : SB-05-5.0-7.0

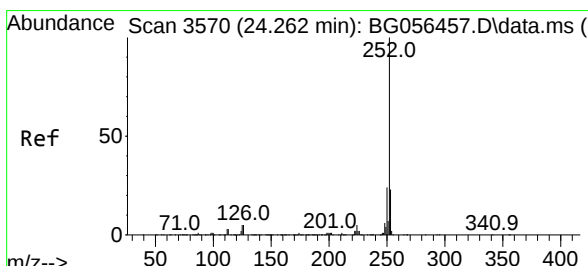
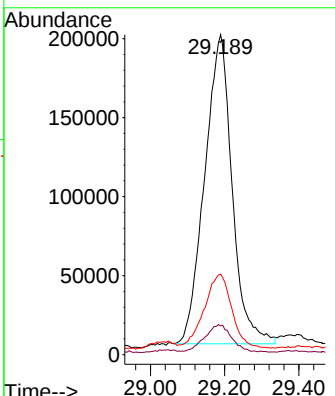
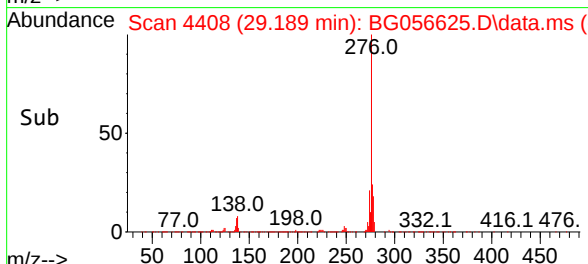


Tgt Ion: 276 Resp: 100672

Ion	Ratio	Lower	Upper
276	100		
138	8.6	9.4	14.2
277	24.0	20.3	30.5

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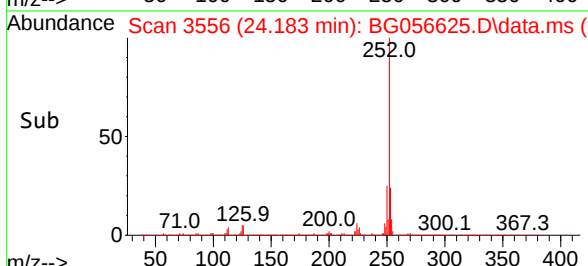
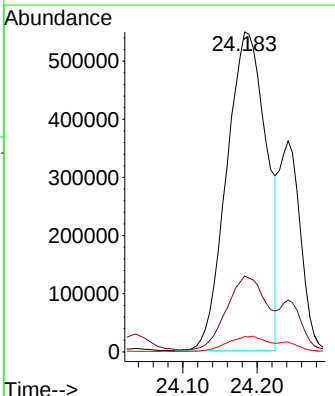
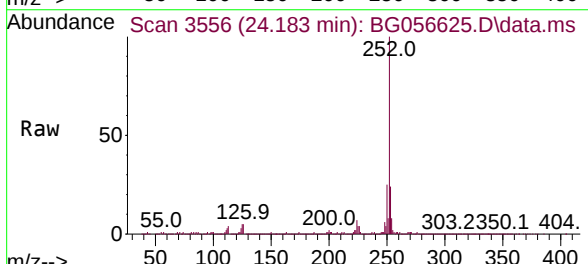
Reviewed By : Christian Giraldo 02/14/2023
 Supervised By : Jagrut Upadhyay 02/14/2023

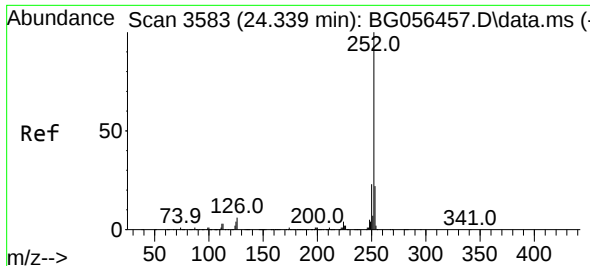


#88
 Benzo(b)fluoranthene
 Concen: 124.524 ng
 RT: 24.183 min Scan# 3556
 Delta R.T. 0.024 min
 Lab File: BG056625.D
 Acq: 13 Feb 2023 18:47

Tgt Ion: 252 Resp: 2050239

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.1	27.1
125	4.8	3.9	5.9





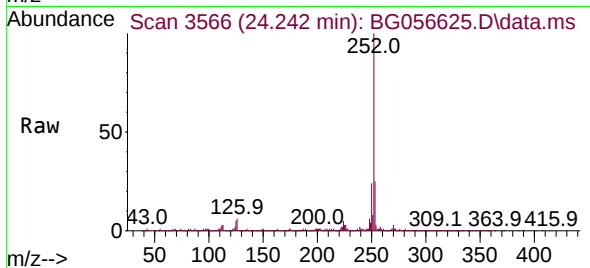
#89
Benzo(k)fluoranthene
Concen: 43.648 ng m
RT: 24.242 min Scan# 3583
Delta R.T. 0.012 min
Lab File: BG056625.D
Acq: 13 Feb 2023 18:47

Instrument :

BNA_G

ClientSampleId :

SB-05-5.0-7.0

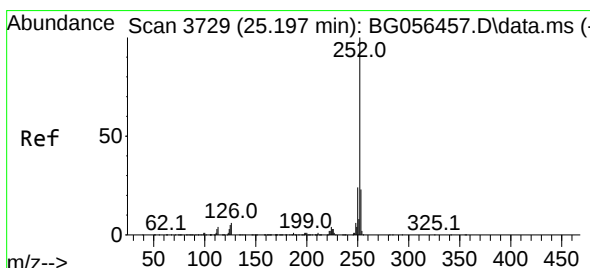
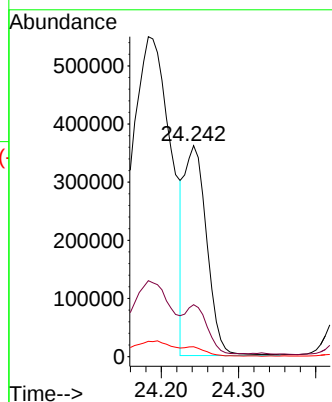
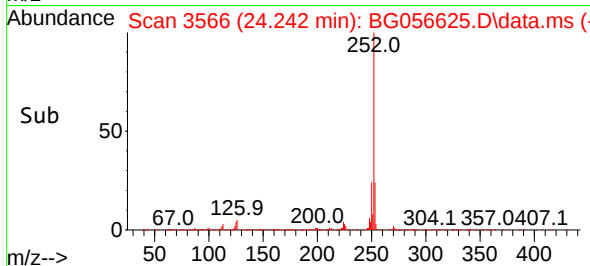


Tgt Ion:252 Resp: 72557
Ion Ratio Lower Upper
252 100
253 24.6 17.5 26.3
125 4.6 3.4 5.0

Manual Integrations

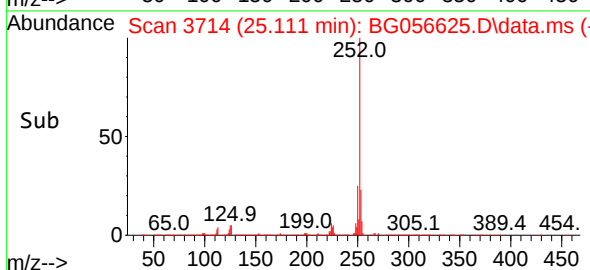
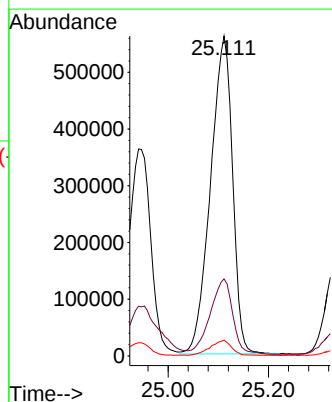
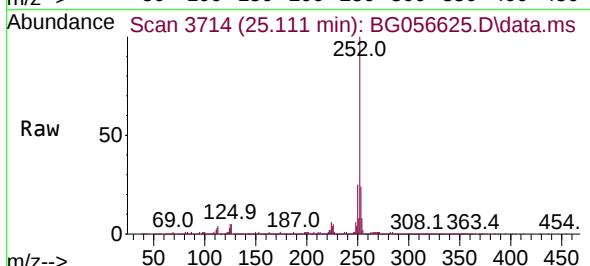
APPROVED

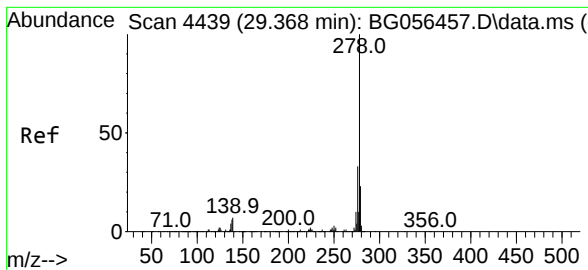
Reviewed By :Christian Giraldo 02/14/2023
Supervised By :Jagrut Upadhyay 02/14/2023



#90
Benzo(a)pyrene
Concen: 105.241 ng
RT: 25.111 min Scan# 3714
Delta R.T. 0.030 min
Lab File: BG056625.D
Acq: 13 Feb 2023 18:47

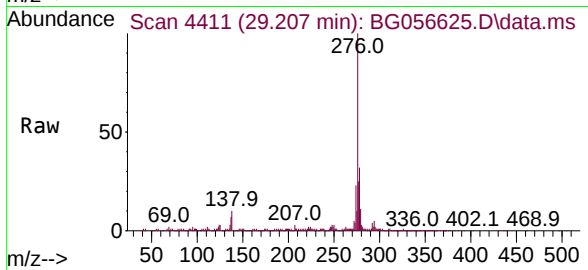
Tgt Ion:252 Resp: 1706855
Ion Ratio Lower Upper
252 100
253 24.1 18.4 27.6
125 5.0 4.1 6.1





#91
 Dibenzo(a,h)anthracene
 Concen: 14.587 ng
 RT: 29.207 min Scan# 4439
 Delta R.T. 0.024 min
 Lab File: BG056625.D
 Acq: 13 Feb 2023 18:47

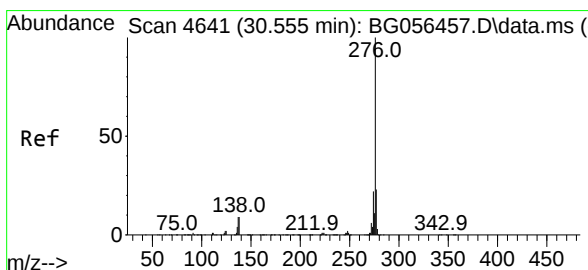
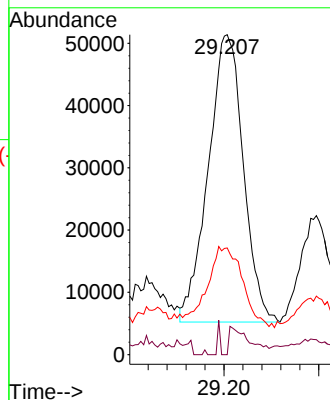
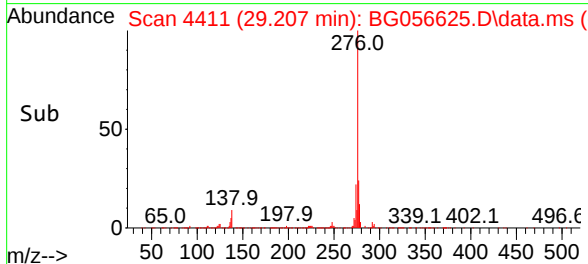
Instrument :
 BNA_G
 ClientSampleId :
 SB-05-5.0-7.0



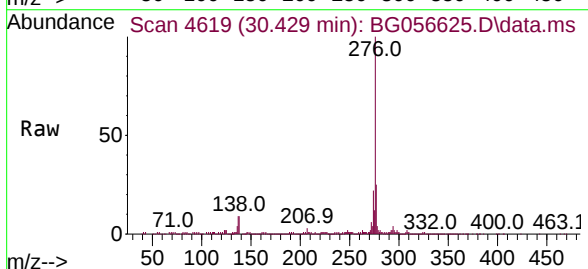
Tgt Ion:278 Resp: 23775
 Ion Ratio Lower Upper
 278 100
 139 0.0 5.5 8.3
 279 33.3 18.8 28.2

Manual Integrations
 APPROVED

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



#92
 Benzo(g,h,i)perylene
 Concen: 65.022 ng
 RT: 30.429 min Scan# 4619
 Delta R.T. 0.077 min
 Lab File: BG056625.D
 Acq: 13 Feb 2023 18:47



Tgt Ion:276 Resp: 1022587
 Ion Ratio Lower Upper
 276 100
 277 24.8 18.5 27.7
 138 9.4 7.4 11.0

