

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021023\
 Data File : BG056613.D
 Acq On : 10 Feb 2023 20:04
 Operator : CG/JU
 Sample : 01510-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TWM-TP14-020823

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/13/2023
 Supervised By : Jagrut Upadhyay 02/13/2023

Quant Time: Feb 10 22:50:16 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	8.212	152	32710	20.000	ng	0.00
21) Naphthalene-d8	11.044	136	129285	20.000	ng	0.00
39) Acenaphthene-d10	14.840	164	103746	20.000	ng	0.00
64) Phenanthrene-d10	17.578	188	246471	20.000	ng	0.00
76) Chrysene-d12	21.855	240	231323	20.000	ng	0.00
86) Perylene-d12	25.222	264	257693	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.733	112	199494	112.193	ng	0.00
7) Phenol-d6	7.366	99	280008	106.281	ng	0.00
23) Nitrobenzene-d5	9.387	82	147957	64.986	ng	0.00
42) 2,4,6-Tribromophenol	16.326	330	133720	96.952	ng	0.00
45) 2-Fluorobiphenyl	13.459	172	497397	66.470	ng	0.00
79) Terphenyl-d14	20.157	244	885828	67.258	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.899	154	15283	2.693	ng	92
71) Phenanthrene	17.619	178	401888	31.154	ng	98
72) Anthracene	17.707	178	66563	5.027	ng	97
75) Fluoranthene	19.617	202	664863	40.836	ng	99
78) Pyrene	19.975	202	683400	41.539	ng	99
81) Benzo(a)anthracene	21.832	228	290446	17.960	ng	100
83) Chrysene	21.902	228	284865	18.749	ng	99
87) Indeno(1,2,3-cd)pyrene	29.100	276	212258	11.252	ng	# 96
88) Benzo(b)fluoranthene	24.147	252	423589	26.483	ng	97
89) Benzo(k)fluoranthene	24.211	252	112819m	6.986	ng	
90) Benzo(a)pyrene	25.063	252	326715	20.736	ng	99
91) Dibenzo(a,h)anthracene	29.135	278	48407	3.057	ng	# 90
92) Benzo(g,h,i)perylene	30.322	276	220880	14.457	ng	99

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

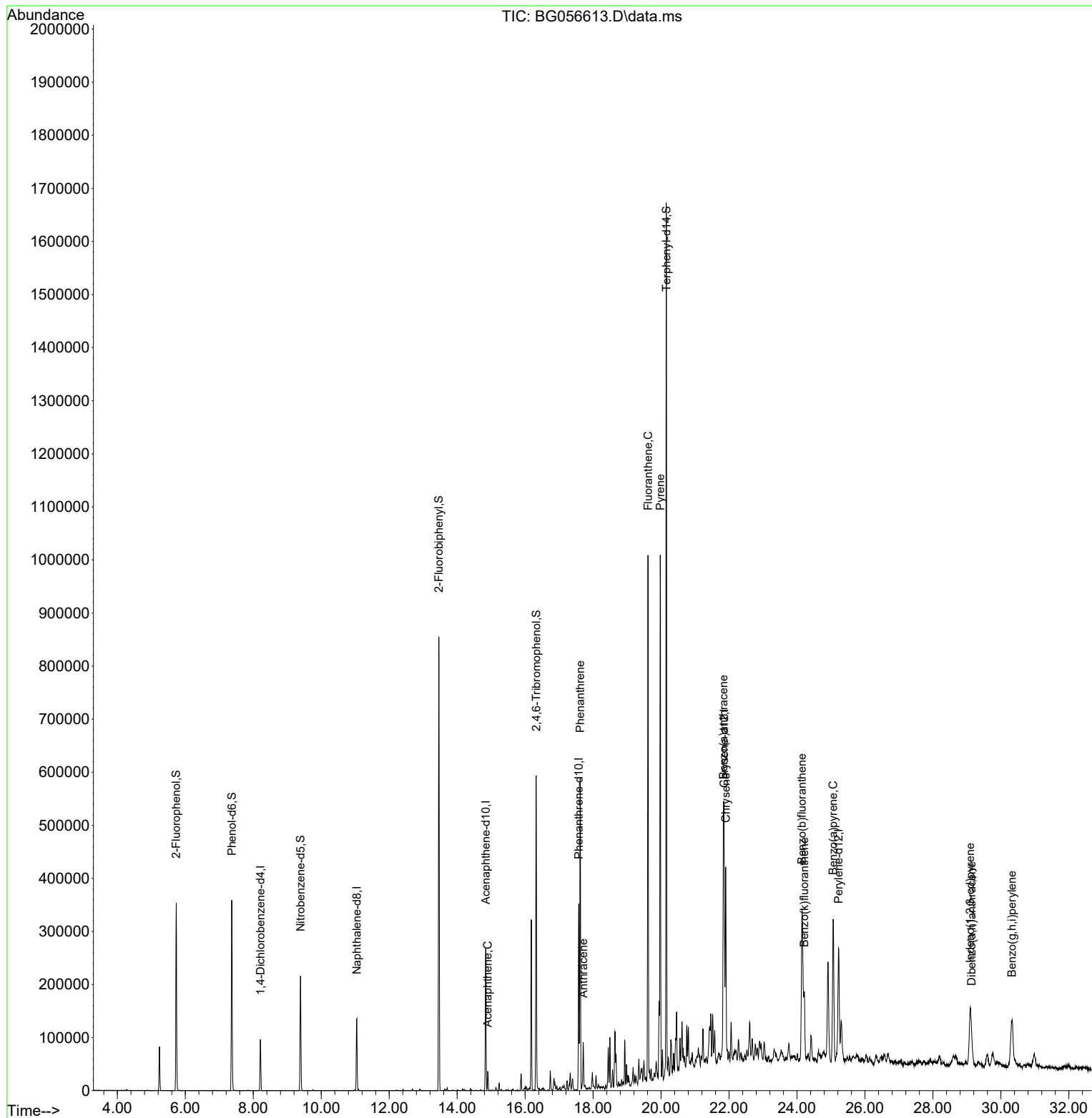
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021023\
Data File : BG056613.D
Acq On : 10 Feb 2023 20:04
Operator : CG/JU
Sample : 01510-03
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ALS Vial : 12 Sample Multiplier: 1

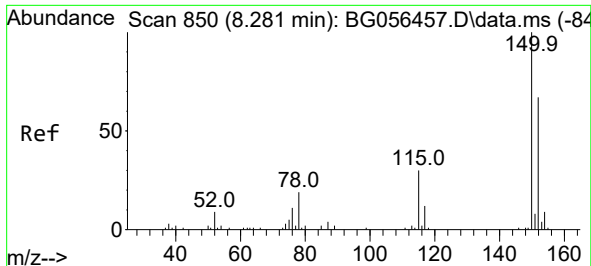
Instrument :
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Quant Time: Feb 10 22:50:16 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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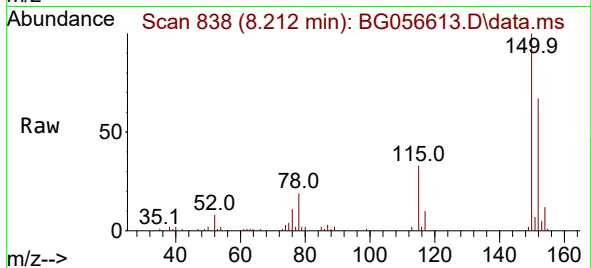
Reviewed By :Christian Giraldo 02/13/2023
Supervised By :Jagrut Upadhyay 02/13/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.212 min Scan# 81
Delta R.T. 0.005 min
Lab File: BG056613.D
Acq: 10 Feb 2023 20:04

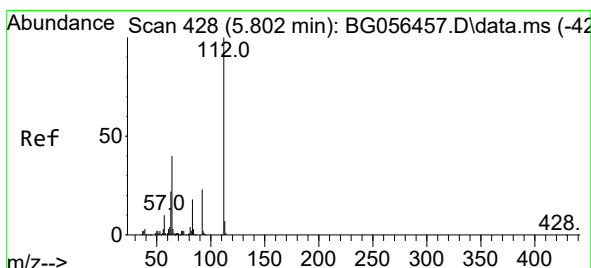
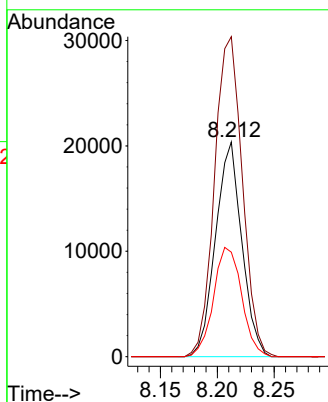
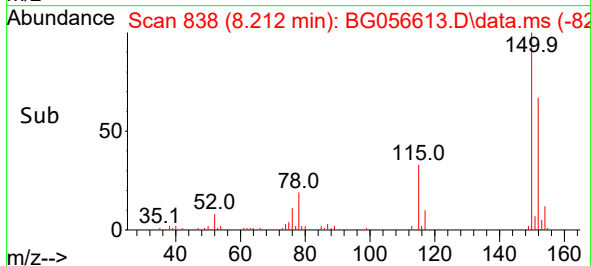
Instrument :
BNA_G
ClientSampleId :
TWM-TP14-020823



Tgt Ion:152 Resp: 32710
Ion Ratio Lower Upper
152 100
150 149.0 120.2 180.4
115 48.6 36.3 54.5

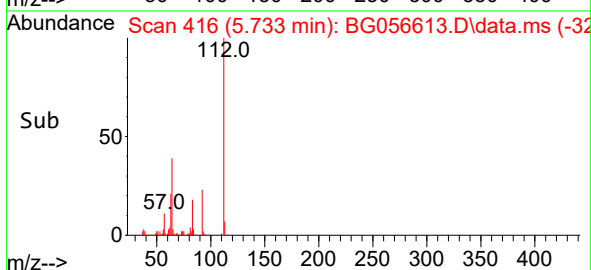
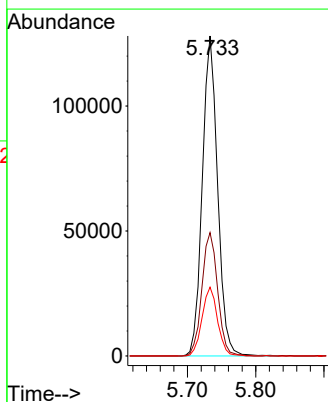
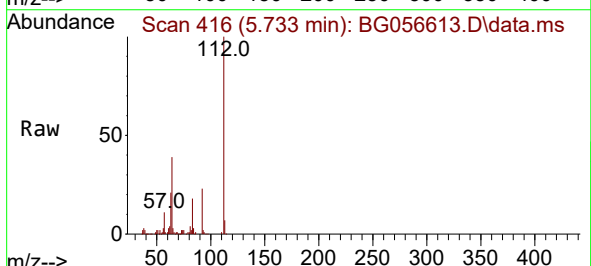
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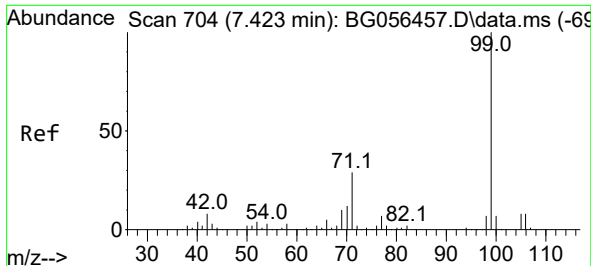
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#5
2-Fluorophenol
Concen: 112.193 ng
RT: 5.733 min Scan# 416
Delta R.T. 0.005 min
Lab File: BG056613.D
Acq: 10 Feb 2023 20:04

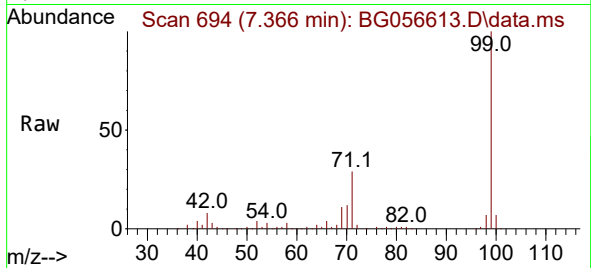
Tgt Ion:112 Resp: 199494
Ion Ratio Lower Upper
112 100
64 38.6 31.9 47.9
63 21.5 17.4 26.0





#7
Phenol-d6
Concen: 106.281 ng
RT: 7.366 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG056613.D
Acq: 10 Feb 2023 20:04

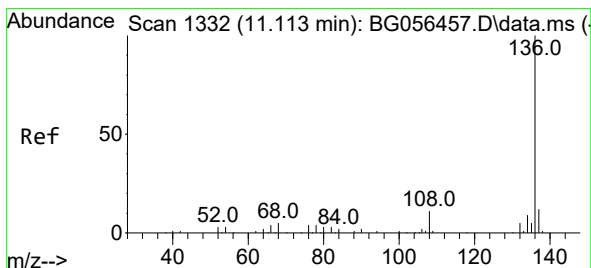
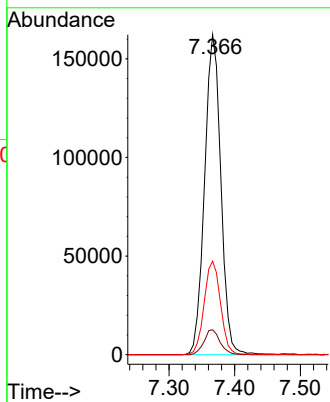
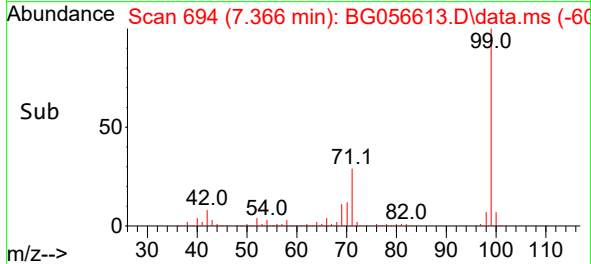
Instrument :
BNA_G
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Tgt Ion: 99 Resp: 28000
Ion Ratio Lower Upper
99 100
42 7.8 6.6 10.0
71 29.3 23.4 35.0

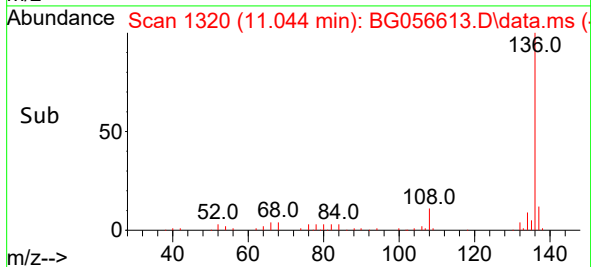
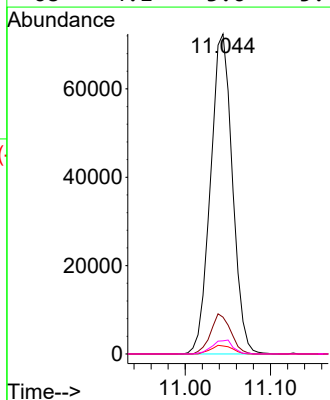
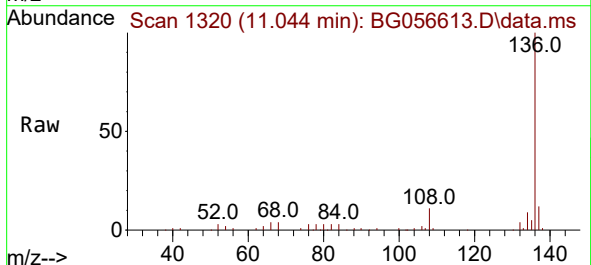
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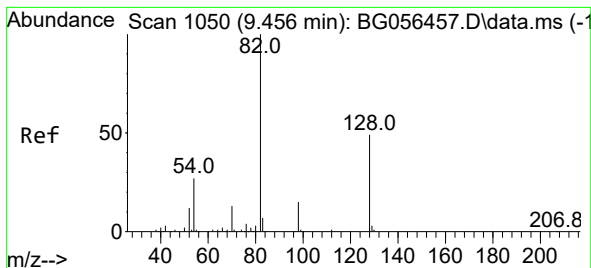
Reviewed By :Christian Giraldo 02/13/2023
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.044 min Scan# 1320
Delta R.T. -0.001 min
Lab File: BG056613.D
Acq: 10 Feb 2023 20:04

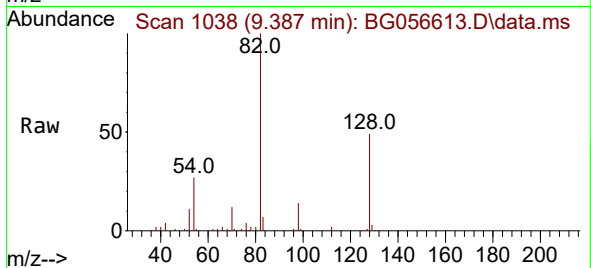
Tgt Ion:136 Resp: 129285
Ion Ratio Lower Upper
136 100
137 11.5 9.4 14.0
54 2.5 2.2 3.4
68 4.1 3.6 5.4





#23
Nitrobenzene-d5
Concen: 64.986 ng
RT: 9.387 min Scan# 1038
Delta R.T. -0.001 min
Lab File: BG056613.D
Acq: 10 Feb 2023 20:04

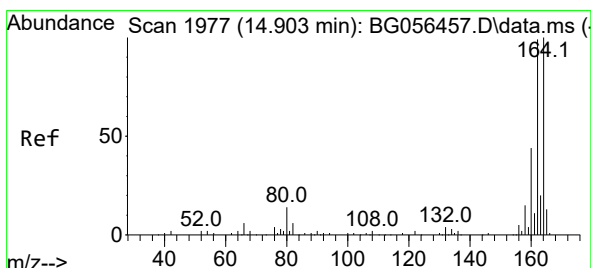
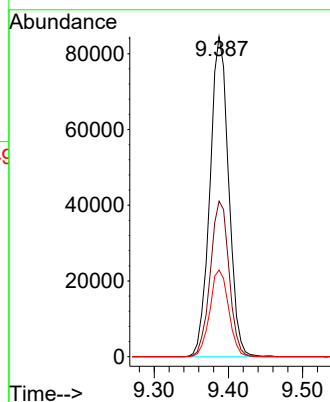
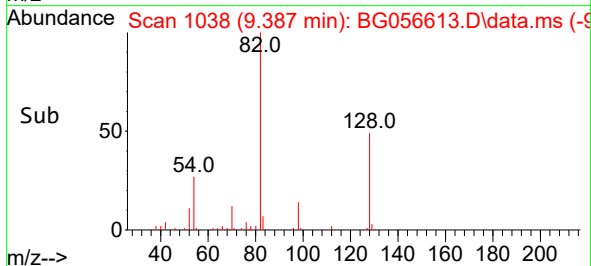
Instrument :
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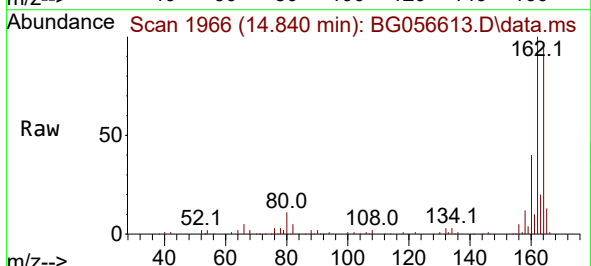
Tgt Ion: 82 Resp: 14795
Ion Ratio Lower Upper
82 100
128 48.6 39.4 59.2
54 27.0 21.4 32.2

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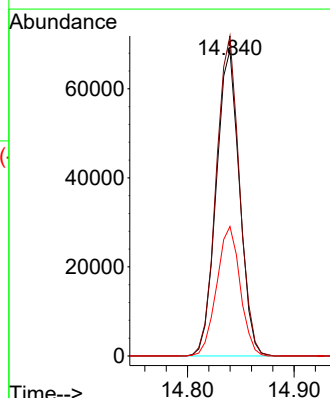
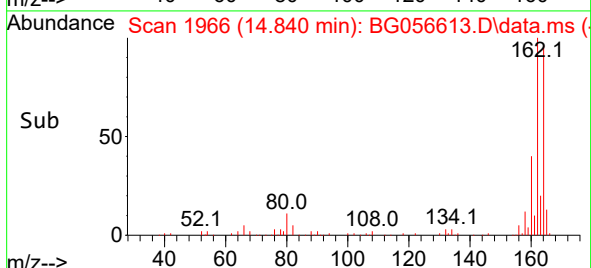
Reviewed By :Christian Giraldo 02/13/2023
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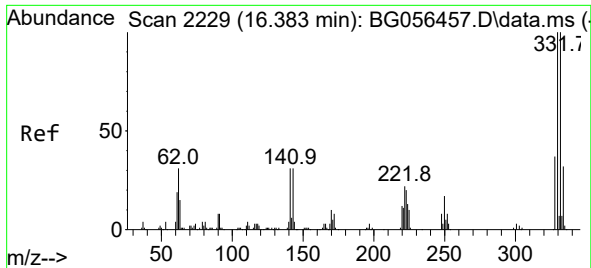


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.840 min Scan# 1966
Delta R.T. -0.001 min
Lab File: BG056613.D
Acq: 10 Feb 2023 20:04



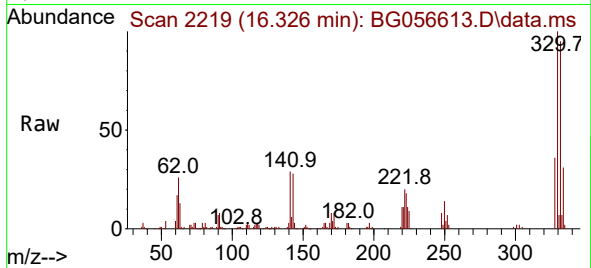
Tgt Ion:164 Resp: 103746
Ion Ratio Lower Upper
164 100
162 104.6 79.6 119.4
160 42.4 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 96.952 ng
RT: 16.326 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG056613.D
Acq: 10 Feb 2023 20:04

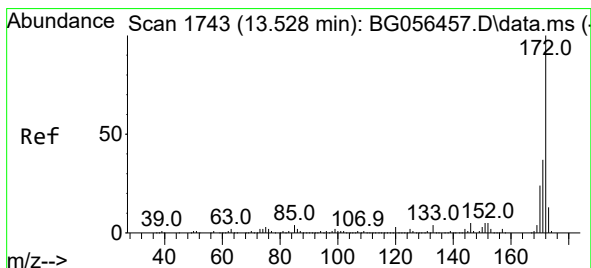
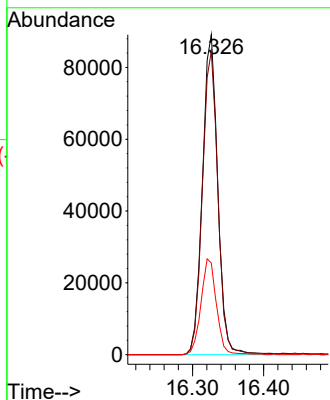
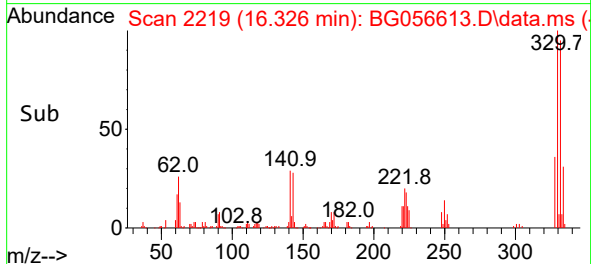
Instrument :
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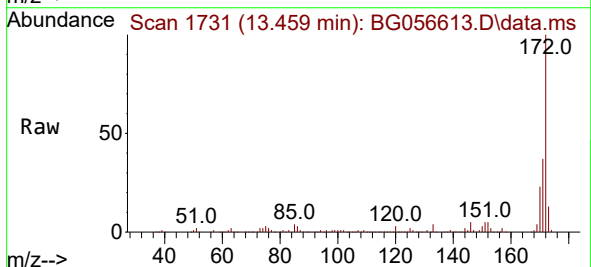
Tgt Ion:330 Resp: 133720
Ion Ratio Lower Upper
330 100
332 95.5 79.0 118.6
141 30.3 24.2 36.4

Manual Integrations
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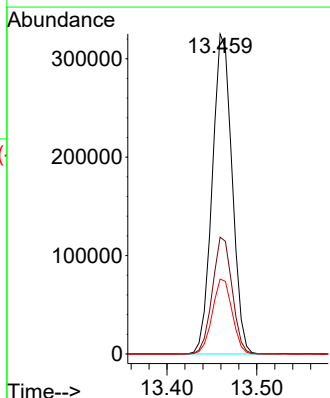
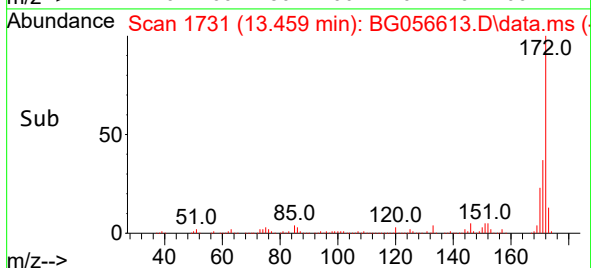
Reviewed By :Christian Giraldo 02/13/2023
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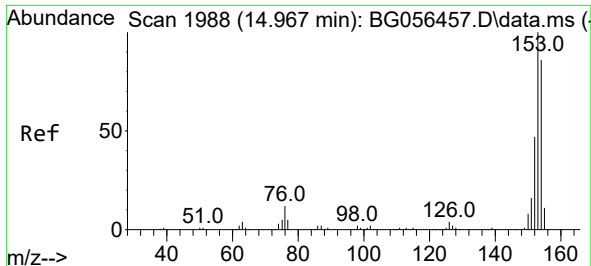


#45
2-Fluorobiphenyl
Concen: 66.470 ng
RT: 13.459 min Scan# 1731
Delta R.T. -0.007 min
Lab File: BG056613.D
Acq: 10 Feb 2023 20:04



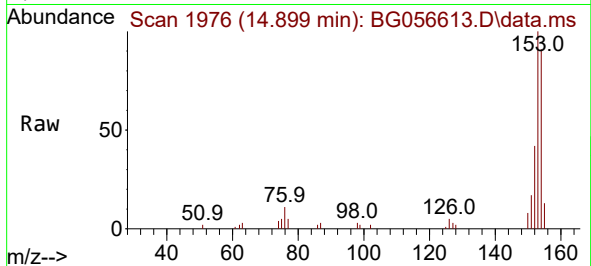
Tgt Ion:172 Resp: 497397
Ion Ratio Lower Upper
172 100
171 36.5 29.5 44.3
170 23.4 19.2 28.8





#52
Acenaphthene
Concen: 2.693 ng
RT: 14.899 min Scan# 1988
Delta R.T. -0.007 min
Lab File: BG056613.D
Acq: 10 Feb 2023 20:04

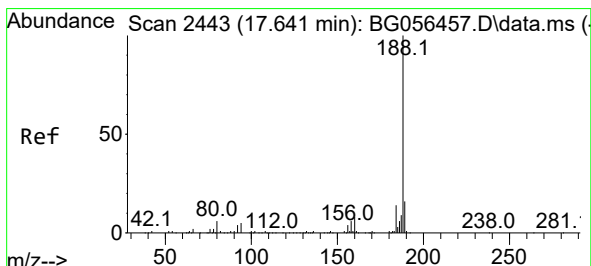
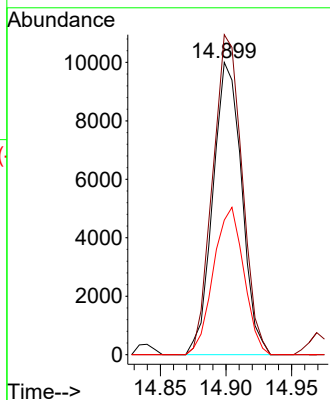
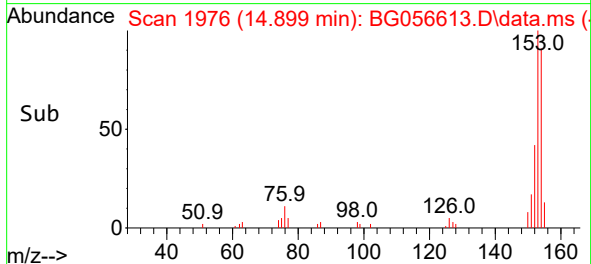
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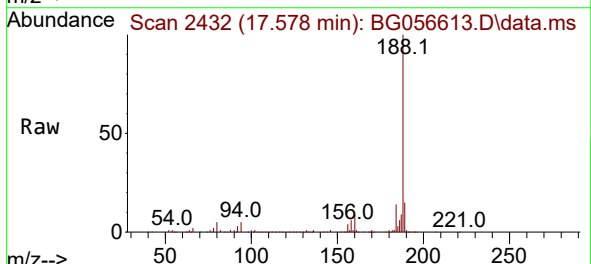
Tgt Ion:154 Resp: 1528
Ion Ratio Lower Upper
154 100
153 109.5 93.4 140.0
152 46.0 43.4 65.2

Manual Integrations
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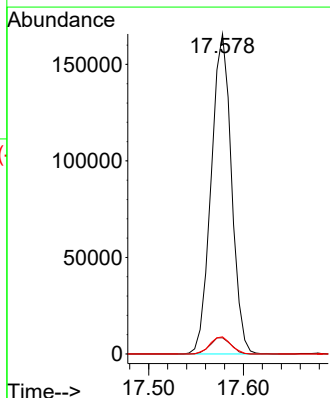
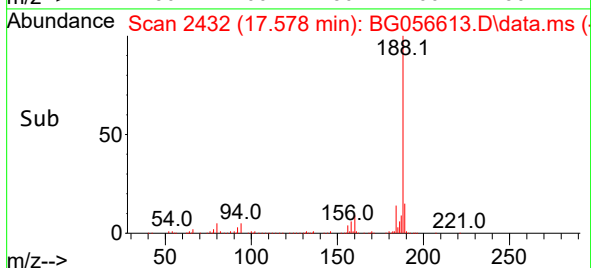
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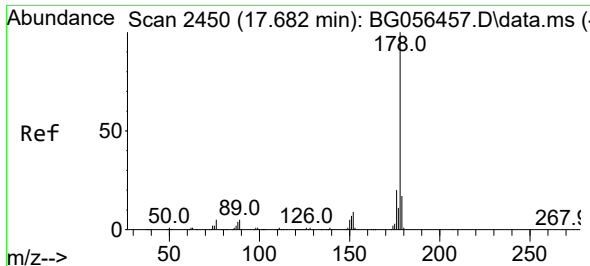


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.578 min Scan# 2432
Delta R.T. -0.007 min
Lab File: BG056613.D
Acq: 10 Feb 2023 20:04



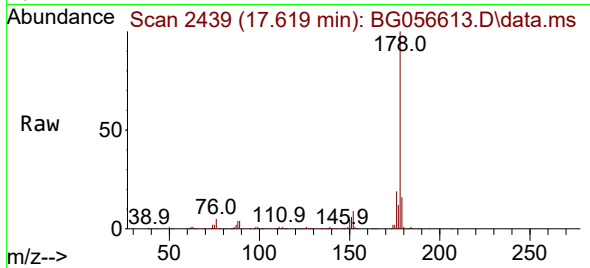
Tgt Ion:188 Resp: 246471
Ion Ratio Lower Upper
188 100
94 5.1 4.1 6.1
80 5.4 5.0 7.4





#71
Phenanthrene
Concen: 31.154 ng
RT: 17.619 min Scan# 2450
Delta R.T. -0.007 min
Lab File: BG056613.D
Acq: 10 Feb 2023 20:04

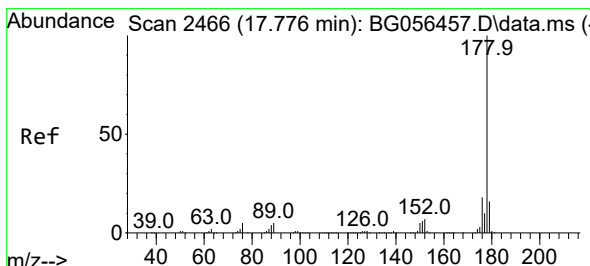
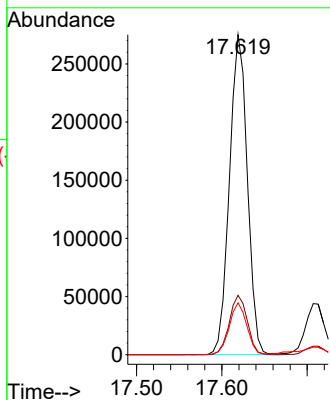
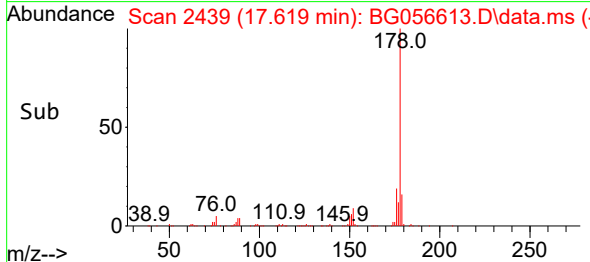
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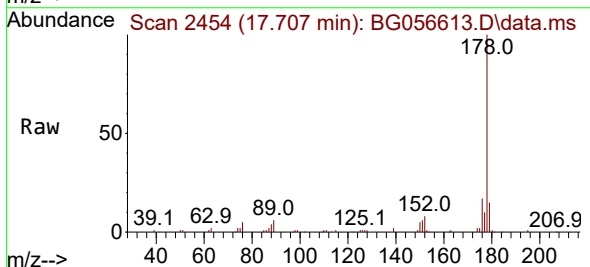
Tgt Ion:178 Resp: 40188
Ion Ratio Lower Upper
178 100
176 18.6 15.6 23.4
179 16.2 13.3 19.9

Manual Integrations
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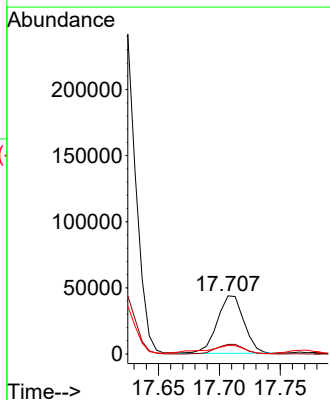
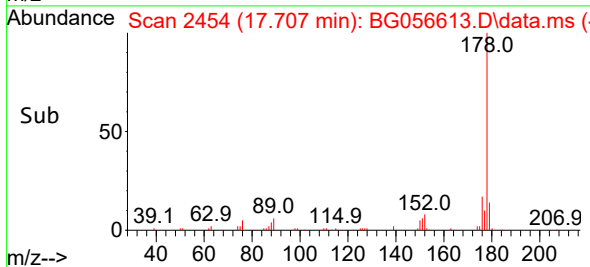
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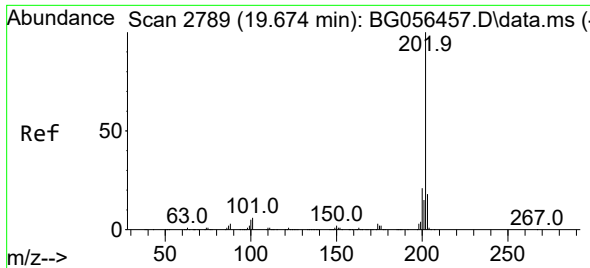


#72
Anthracene
Concen: 5.027 ng
RT: 17.707 min Scan# 2454
Delta R.T. -0.007 min
Lab File: BG056613.D
Acq: 10 Feb 2023 20:04



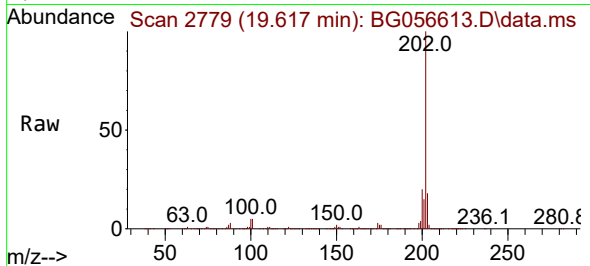
Tgt Ion:178 Resp: 66563
Ion Ratio Lower Upper
178 100
176 16.6 14.5 21.7
179 14.6 12.5 18.7





#75
Fluoranthene
Concen: 40.836 ng
RT: 19.617 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG056613.D
Acq: 10 Feb 2023 20:04

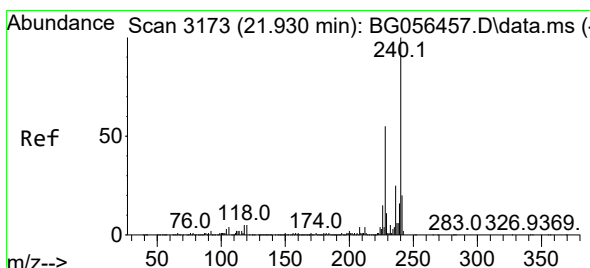
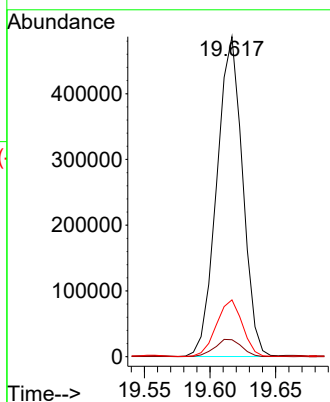
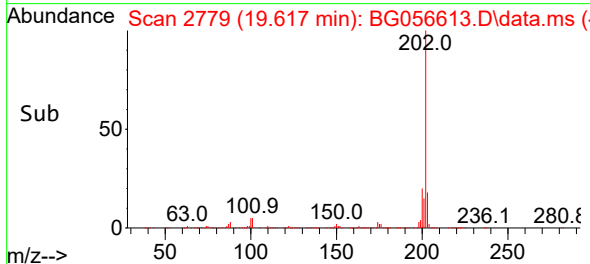
Instrument :
BNA_G
ClientSampleId :
TWM-TP14-020823



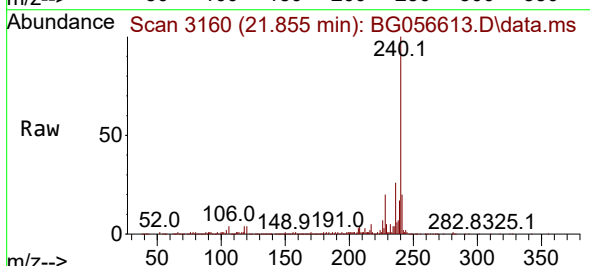
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Ion Ratio Lower Upper
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101 5.3 0.0 25.6
203 17.7 0.0 38.1

Manual Integrations
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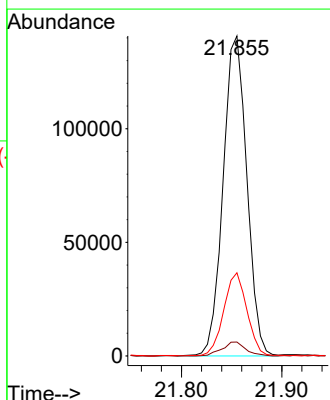
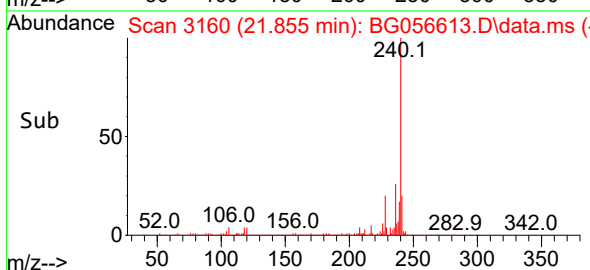
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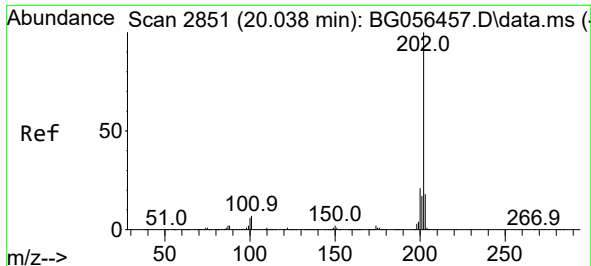


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.855 min Scan# 3160
Delta R.T. -0.007 min
Lab File: BG056613.D
Acq: 10 Feb 2023 20:04



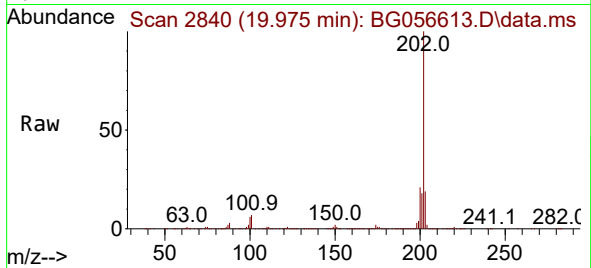
Tgt Ion:240 Resp: 231323
Ion Ratio Lower Upper
240 100
120 4.4 3.8 5.8
236 26.0 20.2 30.2





#78
Pyrene
Concen: 41.539 ng
RT: 19.975 min Scan# 2840
Delta R.T. -0.007 min
Lab File: BG056613.D
Acq: 10 Feb 2023 20:04

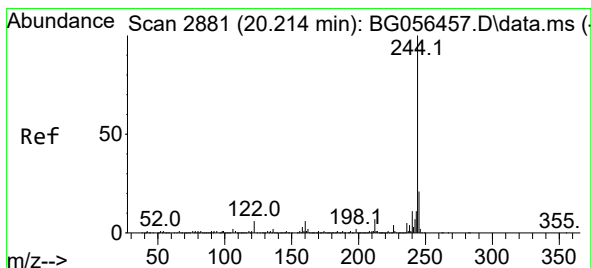
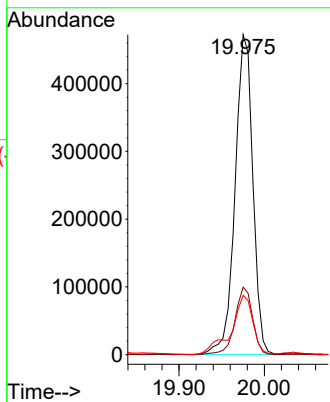
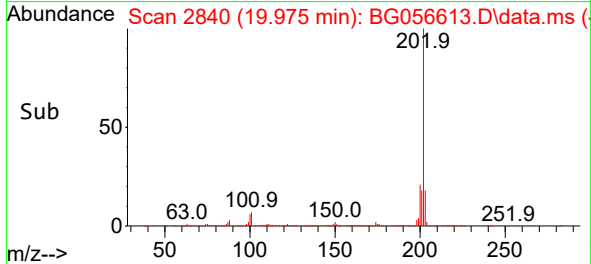
Instrument :
BNA_G
ClientSampleId :
TWM-TP14-020823



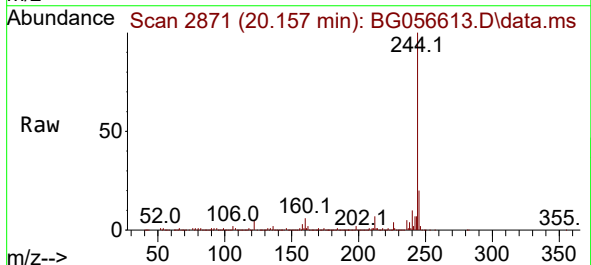
Tgt Ion:202 Resp: 683400
Ion Ratio Lower Upper
202 100
200 21.1 16.7 25.1
203 18.5 14.4 21.6

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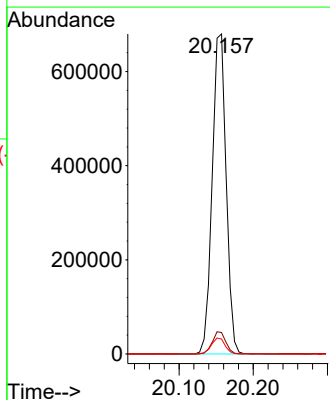
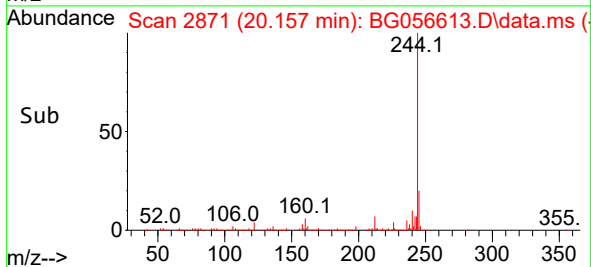
Reviewed By :Christian Giraldo 02/13/2023
Supervised By :Jagrut Upadhyay 02/13/2023

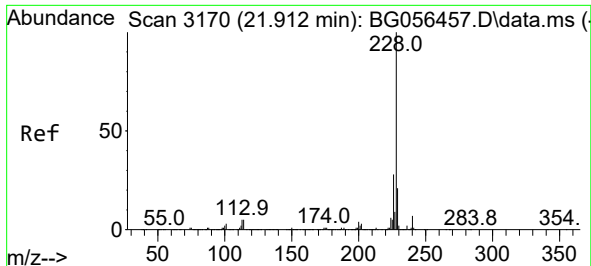


#79
Terphenyl-d14
Concen: 67.258 ng
RT: 20.157 min Scan# 2871
Delta R.T. -0.001 min
Lab File: BG056613.D
Acq: 10 Feb 2023 20:04



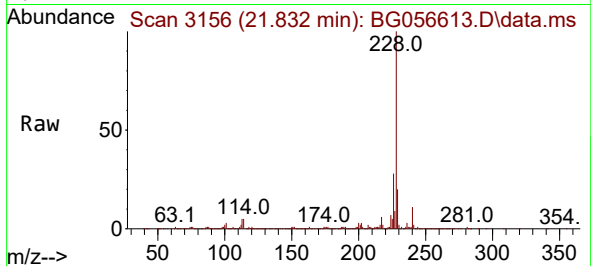
Tgt Ion:244 Resp: 885828
Ion Ratio Lower Upper
244 100
212 6.7 5.5 8.3
122 4.6 4.4 6.6





#81
Benzo(a)anthracene
Concen: 17.960 ng
RT: 21.832 min Scan# 3156
Delta R.T. -0.007 min
Lab File: BG056613.D
Acq: 10 Feb 2023 20:04

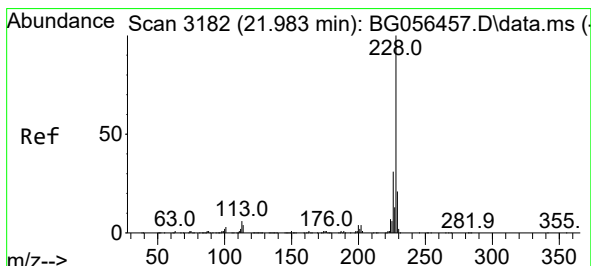
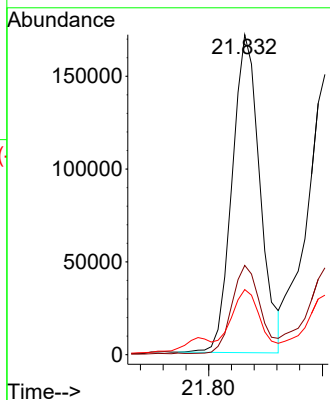
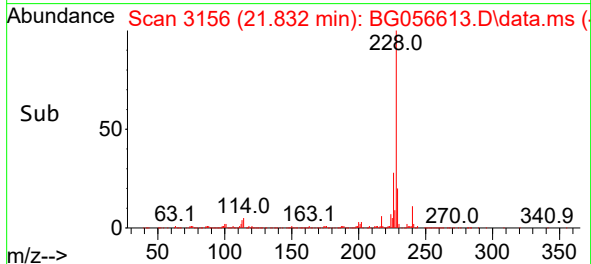
Instrument :
BNA_G
ClientSampleId :
TWM-TP14-020823



Tgt Ion:228 Resp: 290440
Ion Ratio Lower Upper
228 100
226 27.9 22.4 33.6
229 20.4 16.5 24.7

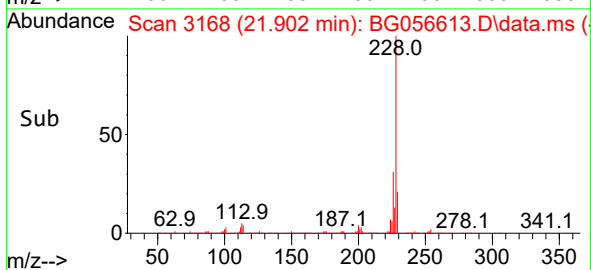
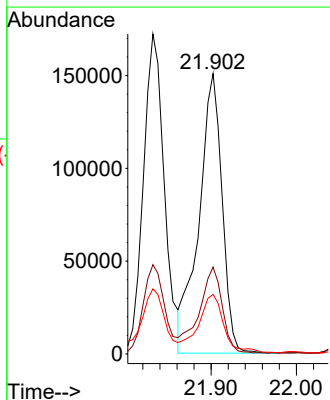
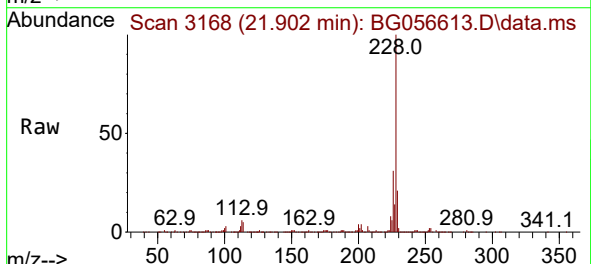
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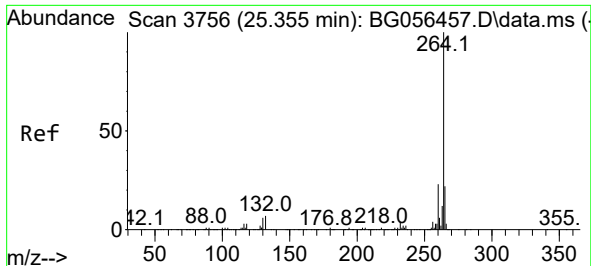
Reviewed By :Christian Giraldo 02/13/2023
Supervised By :Jagrut Upadhyay 02/13/2023



#83
Chrysene
Concen: 18.749 ng
RT: 21.902 min Scan# 3168
Delta R.T. -0.007 min
Lab File: BG056613.D
Acq: 10 Feb 2023 20:04

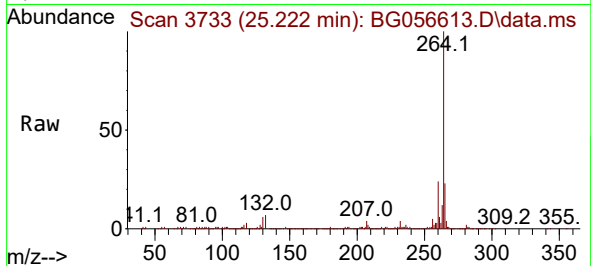
Tgt Ion:228 Resp: 284865
Ion Ratio Lower Upper
228 100
226 31.0 25.0 37.4
229 21.2 16.4 24.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.222 min Scan# 31
 Delta R.T. -0.013 min
 Lab File: BG056613.D
 Acq: 10 Feb 2023 20:04

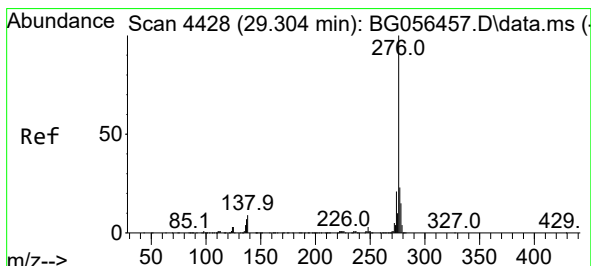
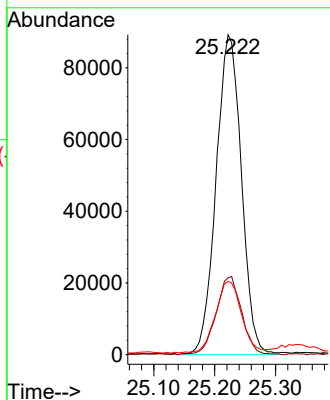
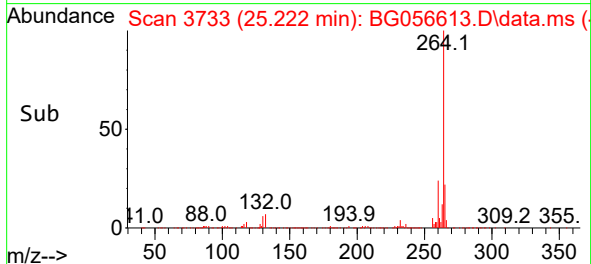
Instrument :
 BNA_G
 ClientSampleId :
 TWM-TP14-020823



Tgt Ion:264 Resp: 25769
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.2 27.4
 265 22.9 18.1 27.1

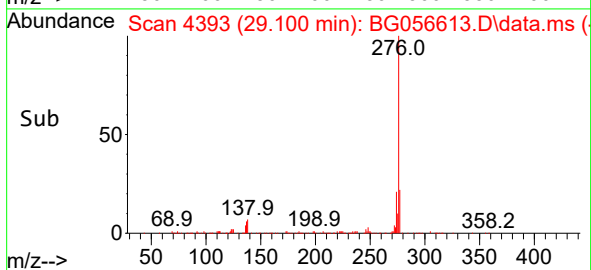
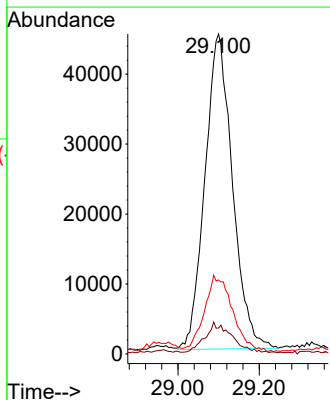
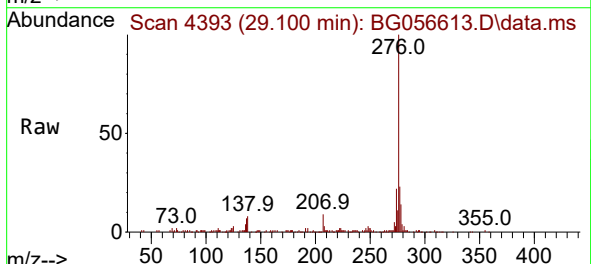
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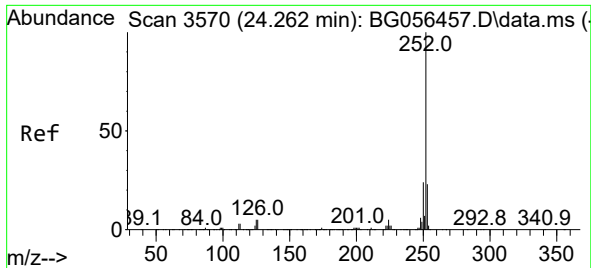
Reviewed By :Christian Giraldo 02/13/2023
 Supervised By :Jagrut Upadhyay 02/13/2023



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 11.252 ng
 RT: 29.100 min Scan# 4393
 Delta R.T. -0.030 min
 Lab File: BG056613.D
 Acq: 10 Feb 2023 20:04

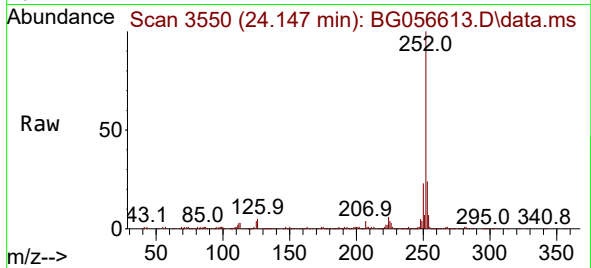
Tgt Ion:276 Resp: 212258
 Ion Ratio Lower Upper
 276 100
 138 9.0 9.4 14.2#
 277 24.4 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 26.483 ng
RT: 24.147 min Scan# 3550
Delta R.T. -0.013 min
Lab File: BG056613.D
Acq: 10 Feb 2023 20:04

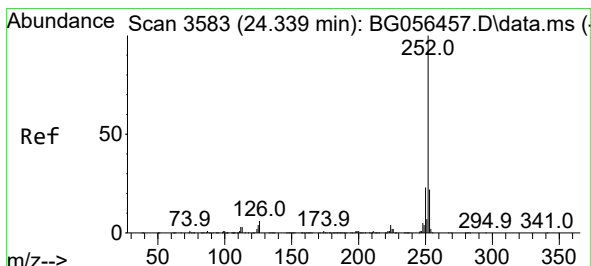
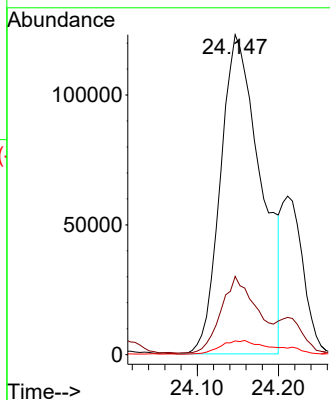
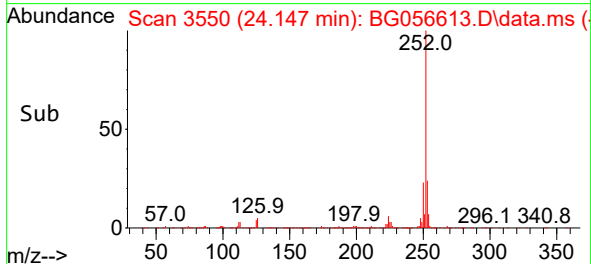
Instrument :
BNA_G
ClientSampleId :
TWM-TP14-020823



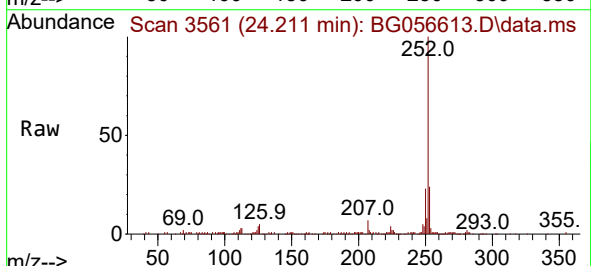
Tgt Ion:252 Resp: 423589
Ion Ratio Lower Upper
252 100
253 24.5 18.1 27.1
125 4.3 3.9 5.9

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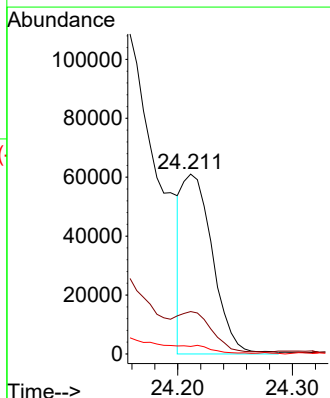
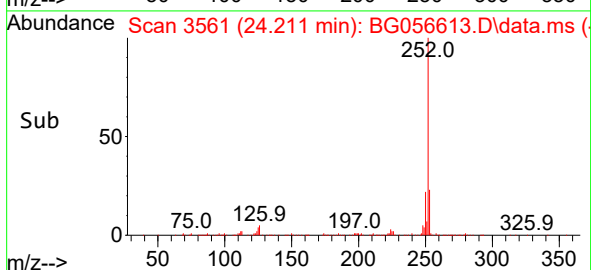
Reviewed By :Christian Giraldo 02/13/2023
Supervised By :Jagrut Upadhyay 02/13/2023

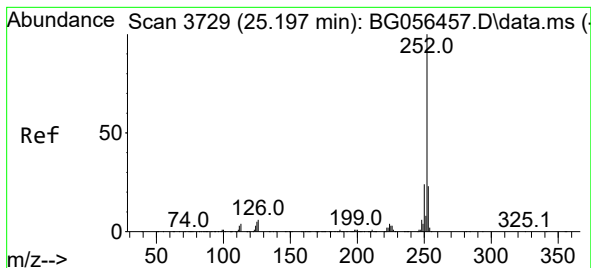


#89
Benzo(k)fluoranthene
Concen: 6.986 ng m
RT: 24.211 min Scan# 3561
Delta R.T. -0.018 min
Lab File: BG056613.D
Acq: 10 Feb 2023 20:04



Tgt Ion:252 Resp: 112819
Ion Ratio Lower Upper
252 100
253 23.6 17.5 26.3
125 4.2 3.4 5.0





#90

Benzo(a)pyrene

Concen: 20.736 ng

RT: 25.063 min Scan# 31

Delta R.T. -0.018 min

Lab File: BG056613.D

Acq: 10 Feb 2023 20:04

Instrument :

BNA_G

ClientSampleId :

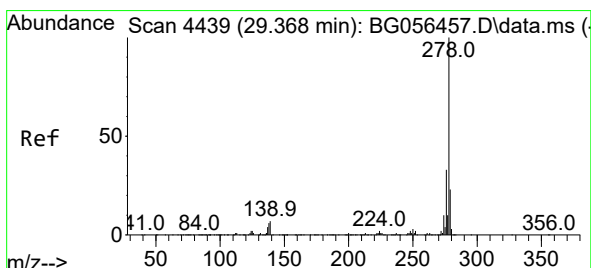
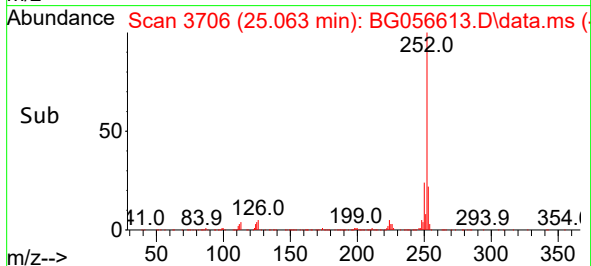
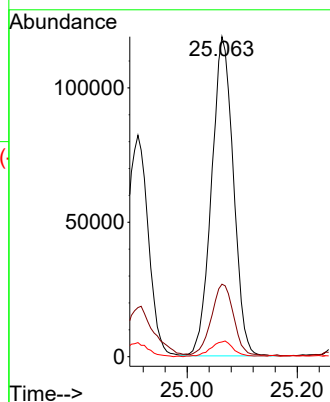
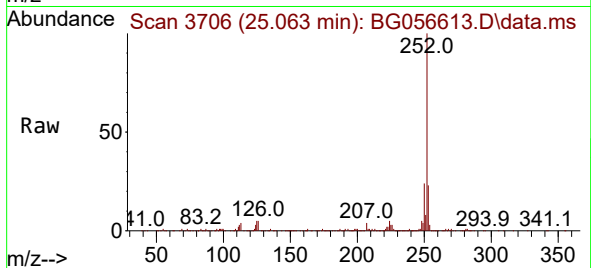
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Tgt Ion:252 Resp: 326715
 Ion Ratio Lower Upper
 252 100
 253 22.6 18.4 27.6
 125 4.6 4.1 6.1

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 Supervised By :Jagrut Upadhyay 02/13/2023



#91

Dibenzo(a,h)anthracene

Concen: 3.057 ng

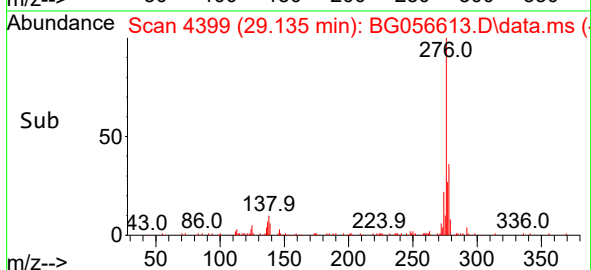
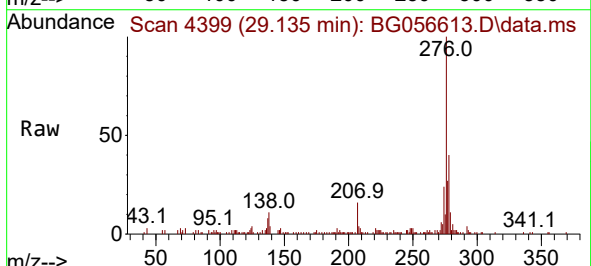
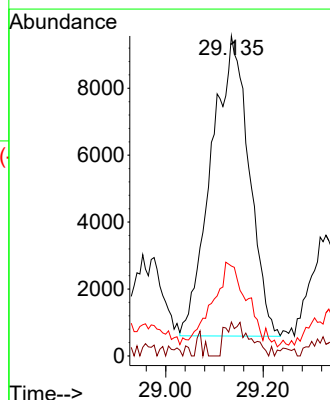
RT: 29.135 min Scan# 4399

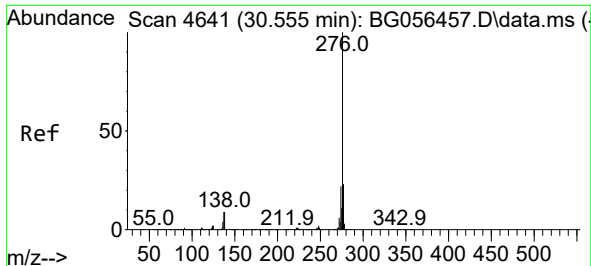
Delta R.T. -0.048 min

Lab File: BG056613.D

Acq: 10 Feb 2023 20:04

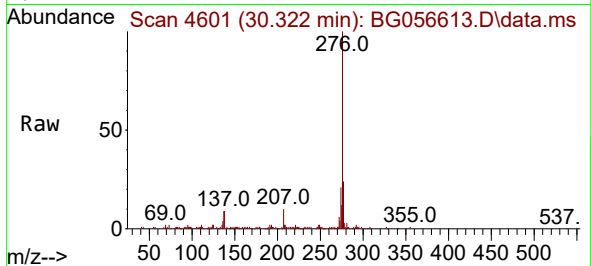
Tgt Ion:278 Resp: 48407
 Ion Ratio Lower Upper
 278 100
 139 10.6 5.5 8.3#
 279 28.1 18.8 28.2





#92
 Benzo(g,h,i)perylene
 Concen: 14.457 ng
 RT: 30.322 min Scan# 4601
 Delta R.T. -0.030 min
 Lab File: BG056613.D
 Acq: 10 Feb 2023 20:04

Instrument :
 BNA_G
 ClientSampleId :
 TWM-TP14-020823



Tgt Ion:276 Resp: 220880
 Ion Ratio Lower Upper
 276 100
 277 23.8 18.5 27.7
 138 9.1 7.4 11.0

Manual Integrations
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 Supervised By :Jagrut Upadhyay 02/13/2023

