

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020223\
 Data File : BG056523.D
 Acq On : 2 Feb 2023 20:56
 Operator : CG/JU
 Sample : 01285-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-07-SB01

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/03/2023
 Supervised By : Jagrut Upadhyay 02/03/2023

Quant Time: Feb 03 05:59:27 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 01 01:15:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.276	152	41498	20.000	ng	0.00
21) Naphthalene-d8	11.108	136	157503	20.000	ng	0.00
39) Acenaphthene-d10	14.892	164	115124	20.000	ng	0.00
64) Phenanthrene-d10	17.630	188	263315	20.000	ng	0.00
76) Chrysene-d12	21.925	240	260894	20.000	ng	0.00
86) Perylene-d12	25.344	264	287279	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.797	112	240158	106.460	ng	0.00
7) Phenol-d6	7.418	99	326010	97.537	ng	0.00
23) Nitrobenzene-d5	9.451	82	175643	63.325	ng	0.00
42) 2,4,6-Tribromophenol	16.378	330	128988	84.278	ng	0.00
45) 2-Fluorobiphenyl	13.517	172	450092	54.204	ng	0.00
79) Terphenyl-d14	20.209	244	632367	42.572	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	14.622	152	34253	3.226	ng	98
71) Phenanthrene	17.677	178	103751	7.528	ng	98
72) Anthracene	17.765	178	48863	3.454	ng	98
75) Fluoranthene	19.669	202	483111	27.775	ng	99
78) Pyrene	20.027	202	501606	27.033	ng	99
81) Benzo(a)anthracene	21.901	228	323547	17.739	ng	99
83) Chrysene	21.972	228	321825	18.781	ng	98
87) Indeno(1,2,3-cd)pyrene	29.287	276	217054	10.322	ng	99
88) Benzo(b)fluoranthene	24.252	252	542818	30.442	ng	97
89) Benzo(k)fluoranthene	24.316	252	164257m	9.124	ng	
90) Benzo(a)pyrene	25.186	252	283799	16.157	ng	97
91) Dibenzo(a,h)anthracene	29.316	278	62696	3.552	ng	99
92) Benzo(g,h,i)perylene	30.521	276	188969	11.095	ng	97

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

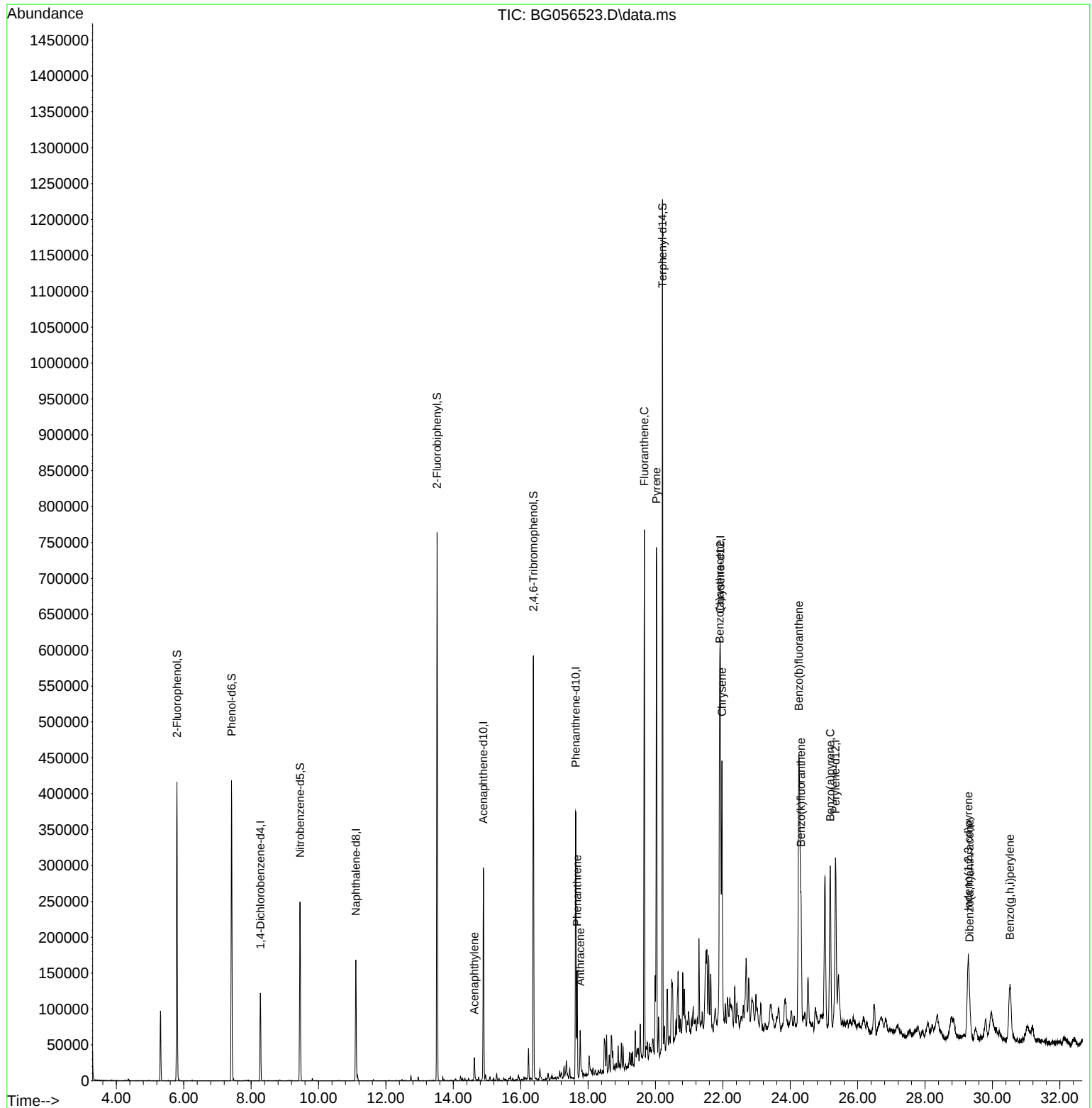
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020223\
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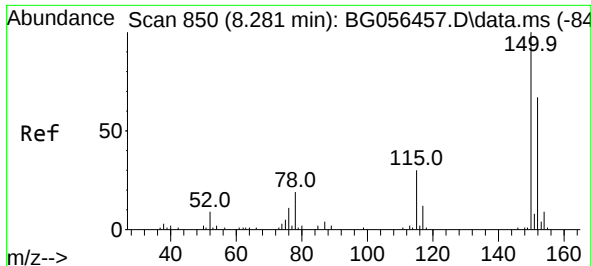
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Quant Time: Feb 03 05:59:27 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 01:15:52 2023
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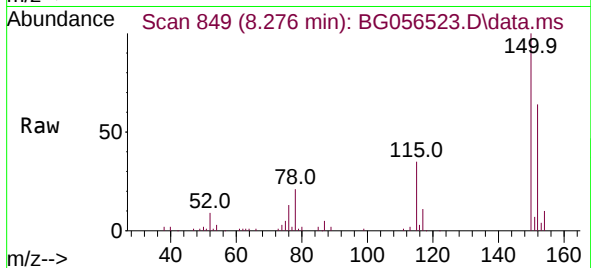
Reviewed By : Christian Giraldo 02/03/2023
Supervised By : Jagrut Upadhyay 02/03/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.276 min Scan# 849
Delta R.T. 0.001 min
Lab File: BG056523.D
Acq: 2 Feb 2023 20:56

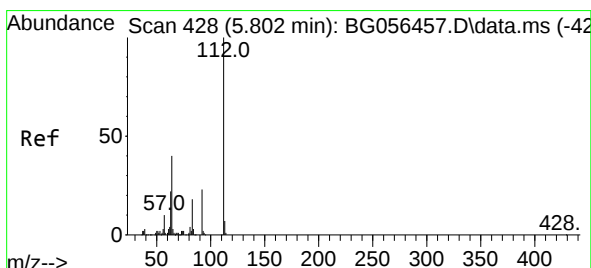
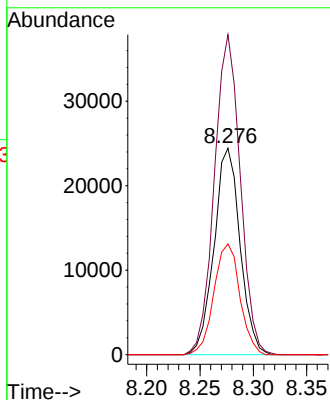
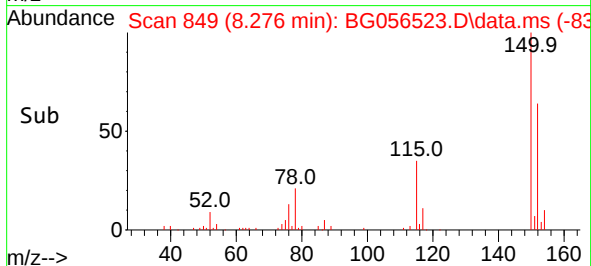
Instrument :
BNA_G
ClientSampleId :
B-07-SB01



Tgt Ion:152 Resp: 41498
Ion Ratio Lower Upper
152 100
150 155.1 120.2 180.4
115 53.6 36.3 54.5

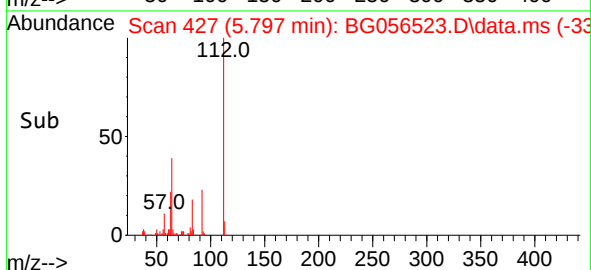
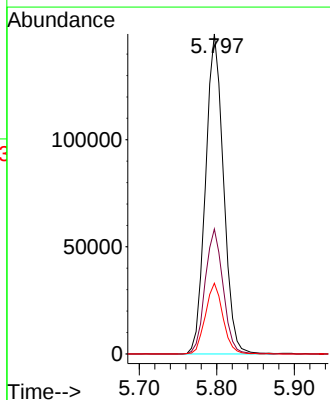
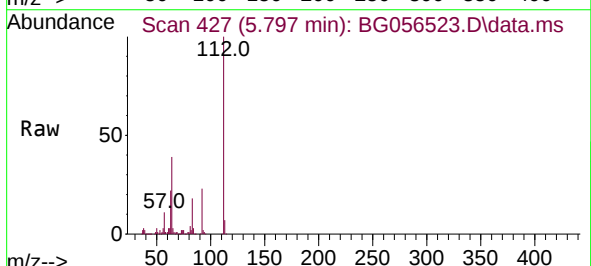
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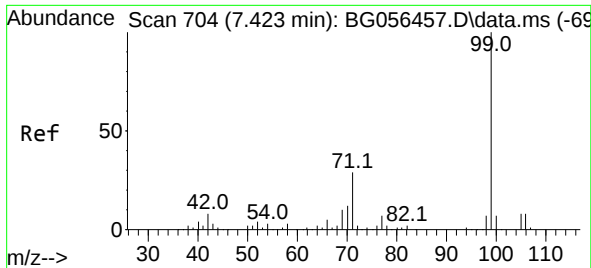
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#5
2-Fluorophenol
Concen: 106.460 ng
RT: 5.797 min Scan# 427
Delta R.T. 0.001 min
Lab File: BG056523.D
Acq: 2 Feb 2023 20:56

Tgt Ion:112 Resp: 240158
Ion Ratio Lower Upper
112 100
64 39.0 31.9 47.9
63 22.1 17.4 26.0





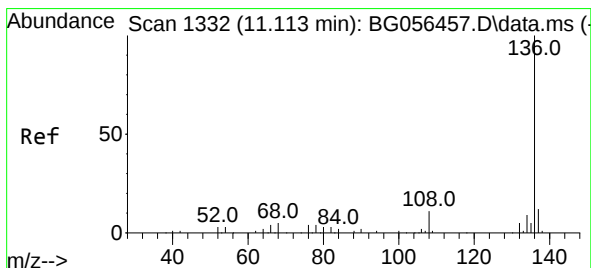
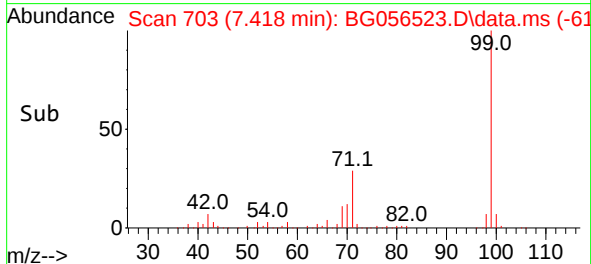
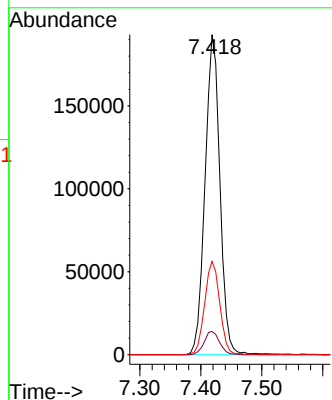
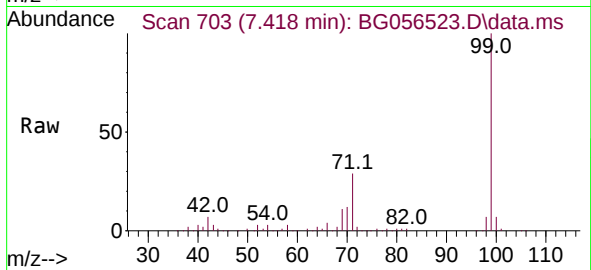
#7
Phenol-d6
Concen: 97.537 ng
RT: 7.418 min Scan# 704
Delta R.T. 0.001 min
Lab File: BG056523.D
Acq: 2 Feb 2023 20:56

Instrument :
BNA_G
ClientSampleId :
B-07-SB01

Tgt Ion: 99 Resp: 326010
Ion Ratio Lower Upper
99 100
42 7.2 6.6 10.0
71 29.1 23.4 35.0

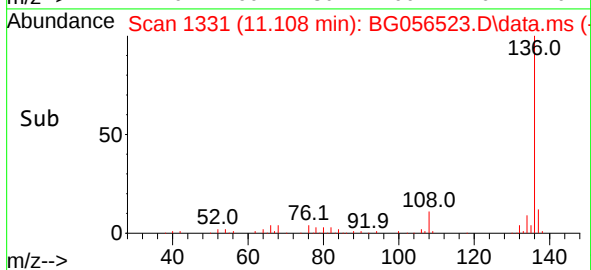
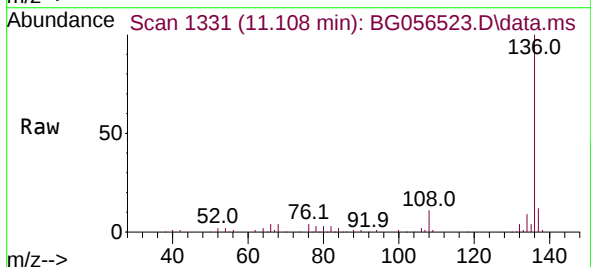
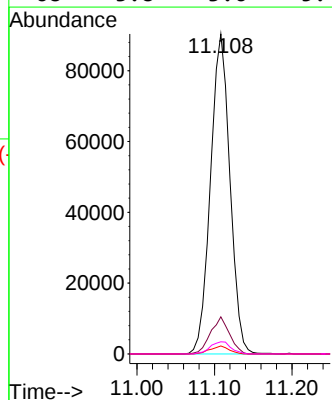
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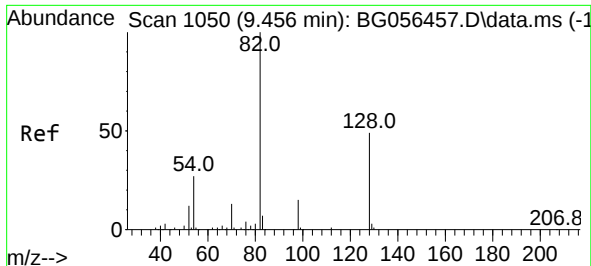
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.108 min Scan# 1331
Delta R.T. 0.001 min
Lab File: BG056523.D
Acq: 2 Feb 2023 20:56

Tgt Ion:136 Resp: 157503
Ion Ratio Lower Upper
136 100
137 11.6 9.4 14.0
54 2.5 2.2 3.4
68 3.8 3.6 5.4





#23

Nitrobenzene-d5

Concen: 63.325 ng

RT: 9.451 min Scan# 1049

Delta R.T. -0.005 min

Lab File: BG056523.D

Acq: 2 Feb 2023 20:56

Instrument :

BNA_G

ClientSampleId :

B-07-SB01

Tgt Ion: 82 Resp: 17564

Ion Ratio Lower Upper

82 100

128 46.9 39.4 59.2

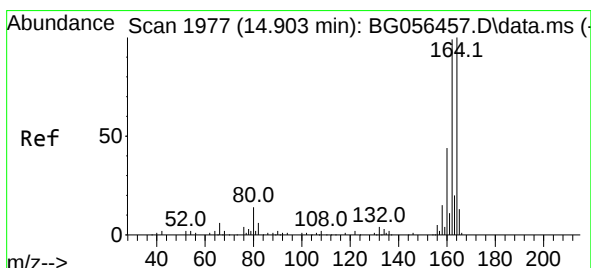
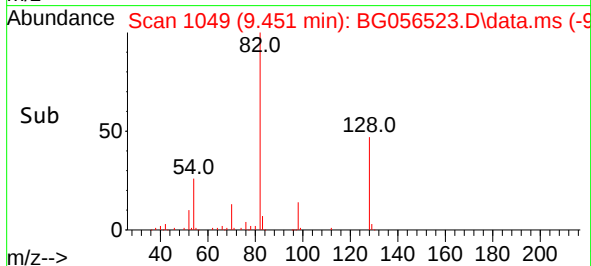
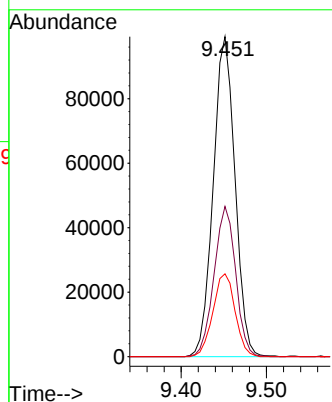
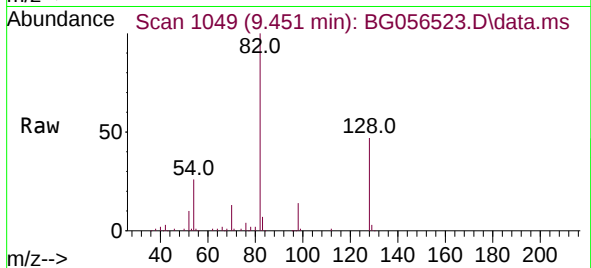
54 25.9 21.4 32.2

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.892 min Scan# 1975

Delta R.T. -0.005 min

Lab File: BG056523.D

Acq: 2 Feb 2023 20:56

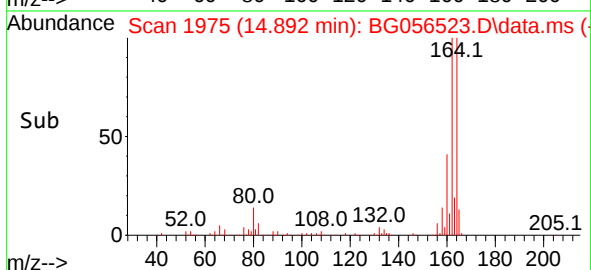
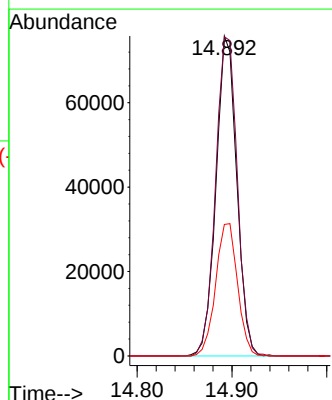
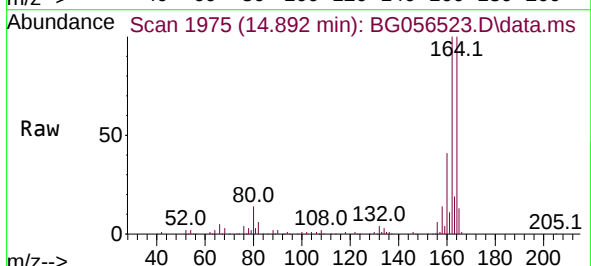
Tgt Ion:164 Resp: 115124

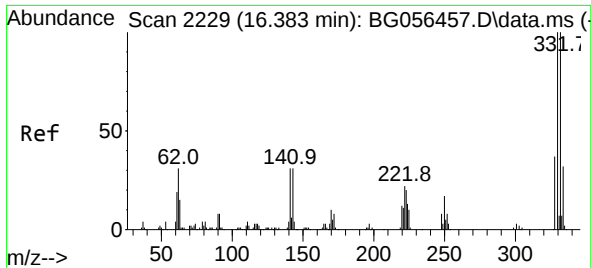
Ion Ratio Lower Upper

164 100

162 99.7 79.6 119.4

160 41.1 34.9 52.3





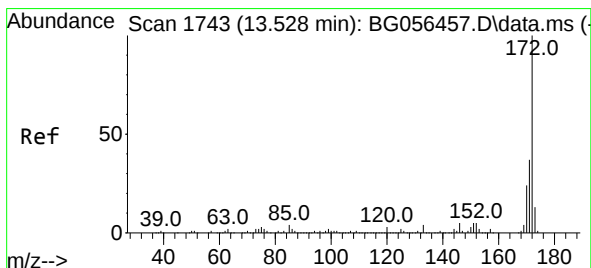
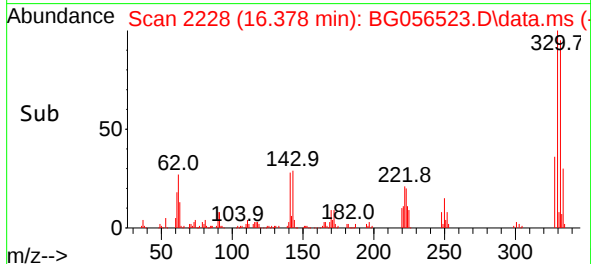
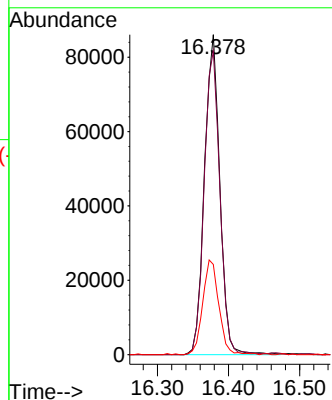
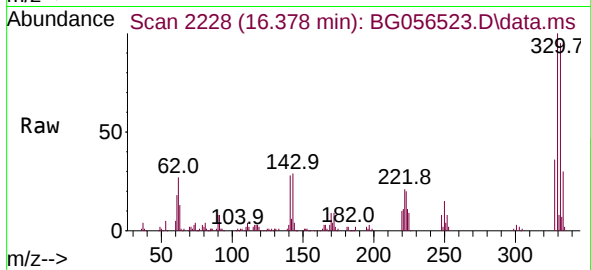
#42
2,4,6-Tribromophenol
Concen: 84.278 ng
RT: 16.378 min Scan# 211
Delta R.T. 0.001 min
Lab File: BG056523.D
Acq: 2 Feb 2023 20:56

Instrument :
BNA_G
ClientSampleId :
B-07-SB01

Tgt Ion:330 Resp: 128988
Ion Ratio Lower Upper
330 100
332 96.7 79.0 118.6
141 30.9 24.2 36.4

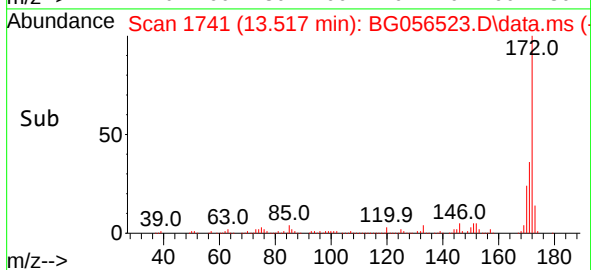
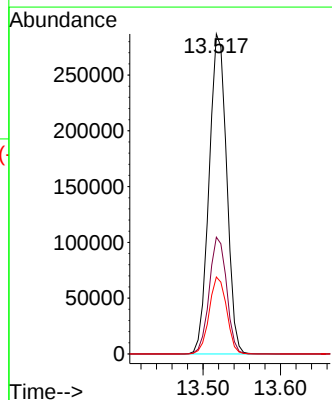
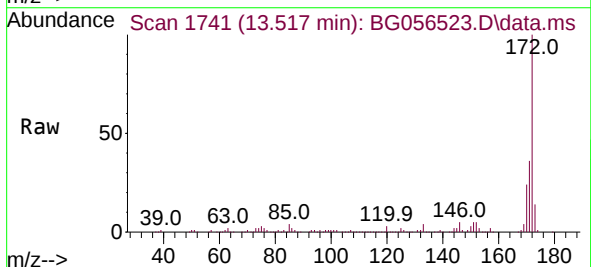
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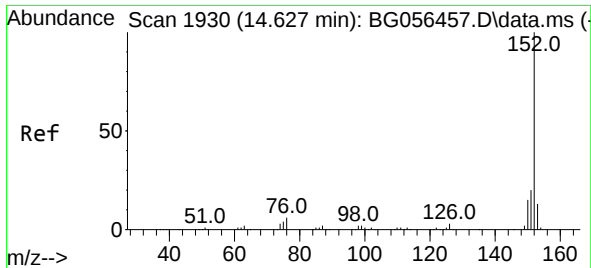
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#45
2-Fluorobiphenyl
Concen: 54.204 ng
RT: 13.517 min Scan# 1741
Delta R.T. -0.005 min
Lab File: BG056523.D
Acq: 2 Feb 2023 20:56

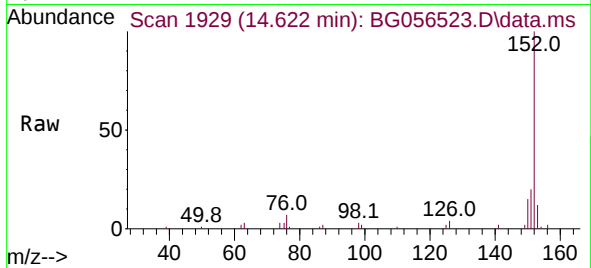
Tgt Ion:172 Resp: 450092
Ion Ratio Lower Upper
172 100
171 36.5 29.5 44.3
170 24.0 19.2 28.8





#49
Acenaphthylene
Concen: 3.226 ng
RT: 14.622 min Scan# 1930
Delta R.T. -0.005 min
Lab File: BG056523.D
Acq: 2 Feb 2023 20:56

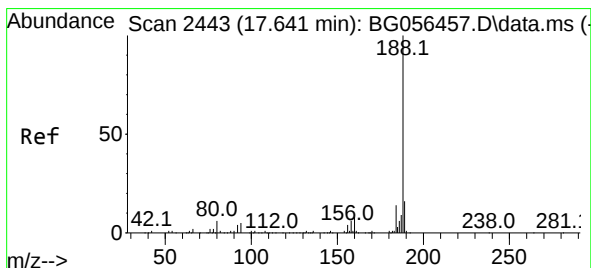
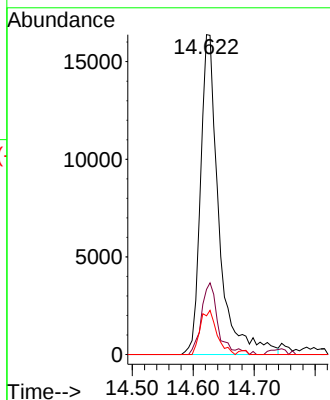
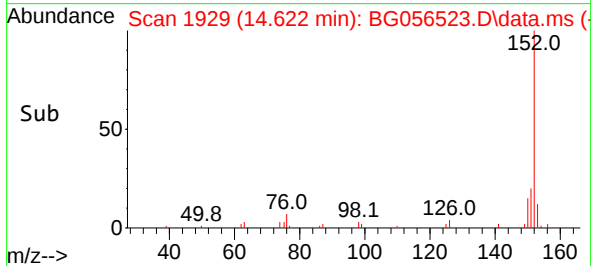
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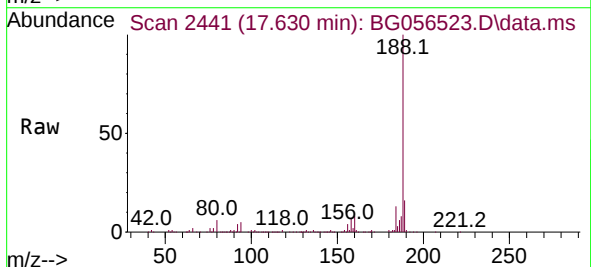
Tgt Ion:152 Resp: 3425
Ion Ratio Lower Upper
152 100
151 20.4 15.9 23.9
153 12.1 10.5 15.7

Manual Integrations
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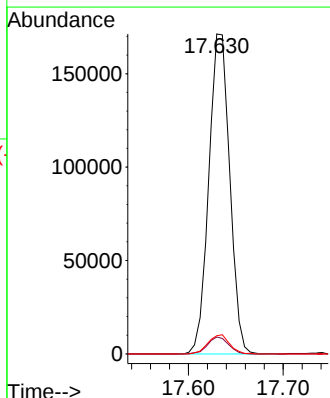
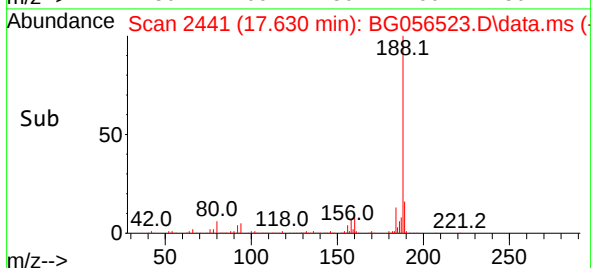
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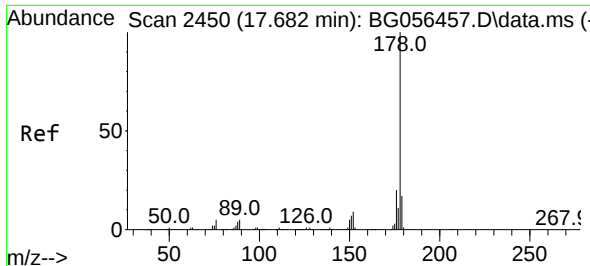


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.630 min Scan# 2441
Delta R.T. -0.005 min
Lab File: BG056523.D
Acq: 2 Feb 2023 20:56



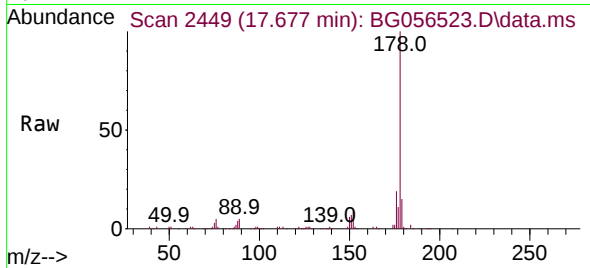
Tgt Ion:188 Resp: 263315
Ion Ratio Lower Upper
188 100
94 5.3 4.1 6.1
80 5.7 5.0 7.4





#71
Phenanthrene
Concen: 7.528 ng
RT: 17.677 min Scan# 2449
Delta R.T. 0.001 min
Lab File: BG056523.D
Acq: 2 Feb 2023 20:56

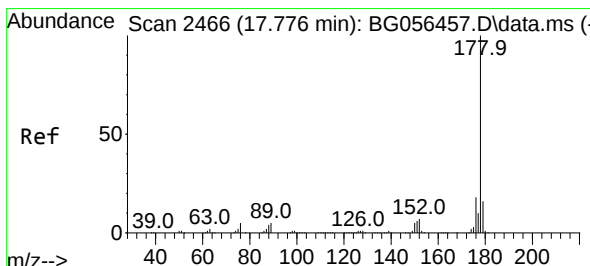
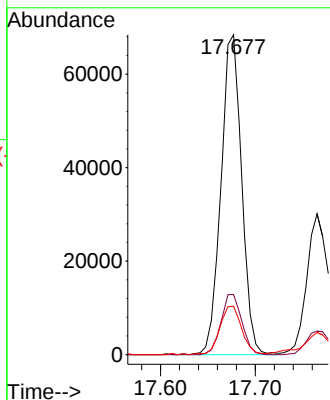
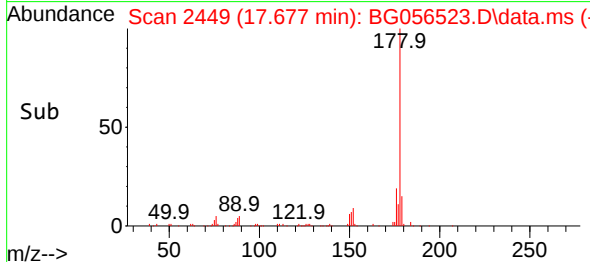
Instrument :
BNA_G
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B-07-SB01



Tgt Ion:178 Resp: 103751
Ion Ratio Lower Upper
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176 18.8 15.6 23.4
179 15.1 13.3 19.9

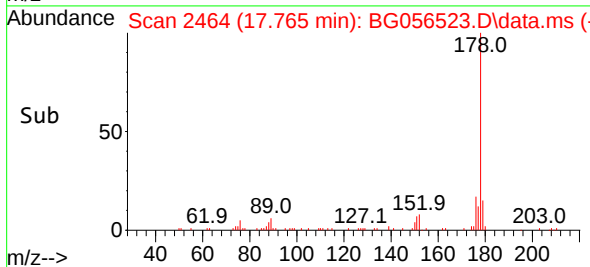
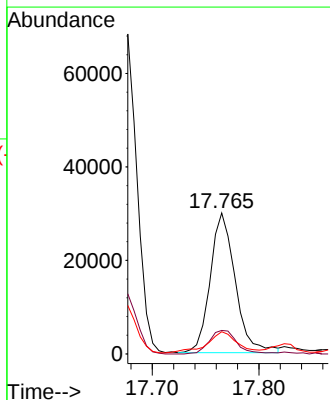
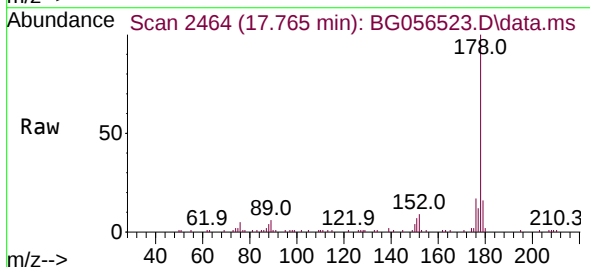
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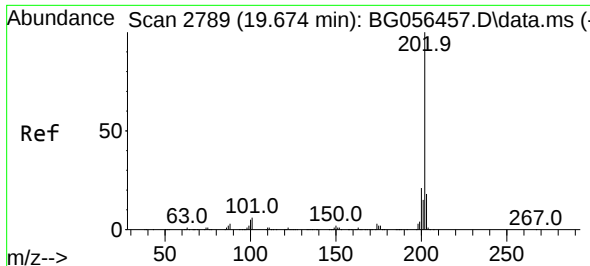
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#72
Anthracene
Concen: 3.454 ng
RT: 17.765 min Scan# 2464
Delta R.T. -0.005 min
Lab File: BG056523.D
Acq: 2 Feb 2023 20:56

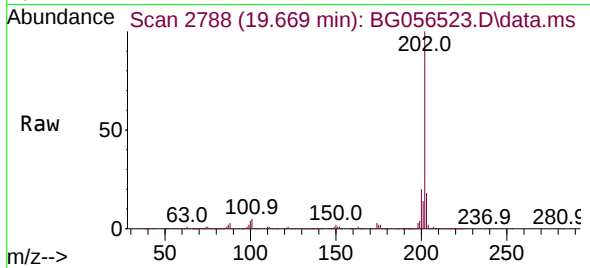
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Ion Ratio Lower Upper
178 100
176 16.6 14.5 21.7
179 15.8 12.5 18.7





#75
Fluoranthene
Concen: 27.775 ng
RT: 19.669 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG056523.D
Acq: 2 Feb 2023 20:56

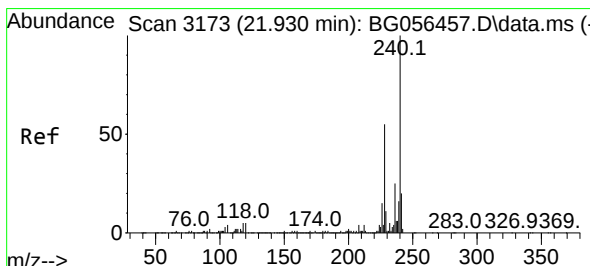
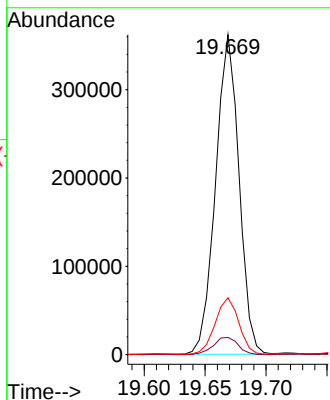
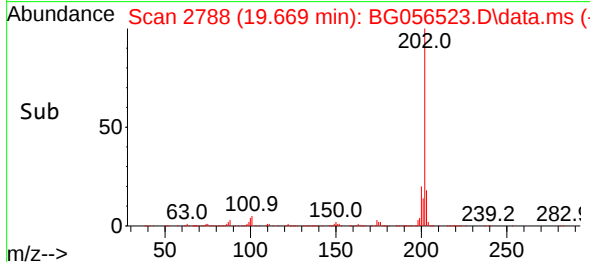
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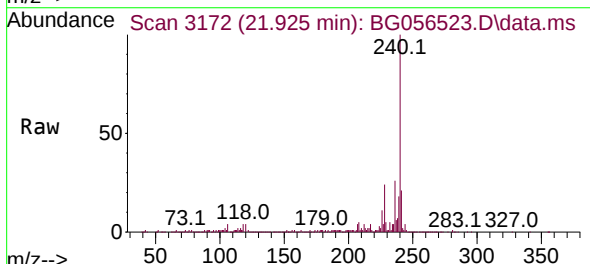
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Ion Ratio Lower Upper
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203 17.8 0.0 38.1

Manual Integrations
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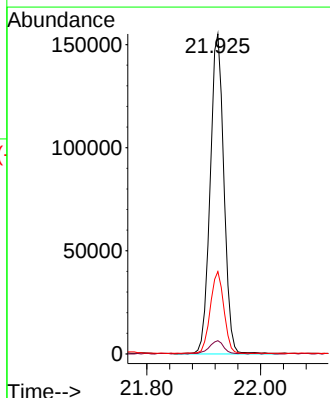
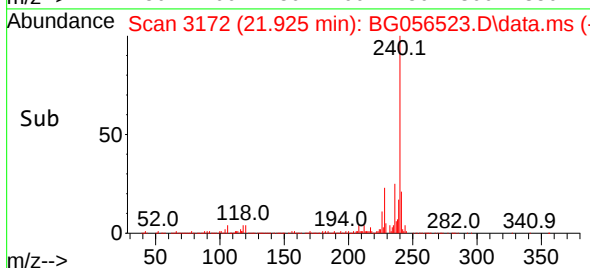
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

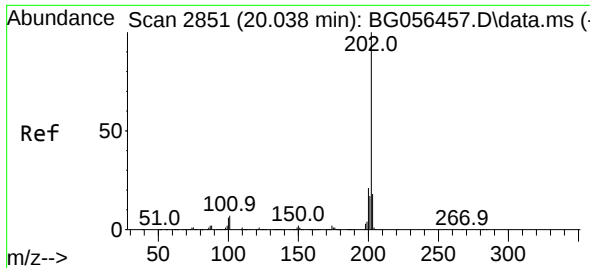


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.925 min Scan# 3172
Delta R.T. 0.001 min
Lab File: BG056523.D
Acq: 2 Feb 2023 20:56



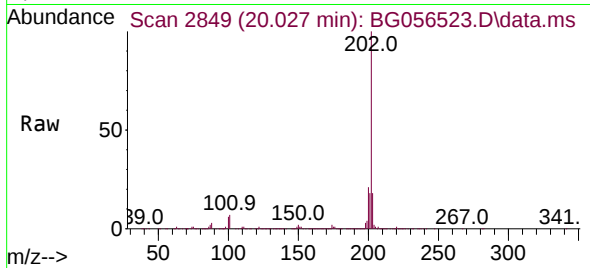
Tgt Ion:240 Resp: 260894
Ion Ratio Lower Upper
240 100
120 4.1 3.8 5.8
236 25.7 20.2 30.2





#78
Pyrene
Concen: 27.033 ng
RT: 20.027 min Scan# 2849
Delta R.T. -0.005 min
Lab File: BG056523.D
Acq: 2 Feb 2023 20:56

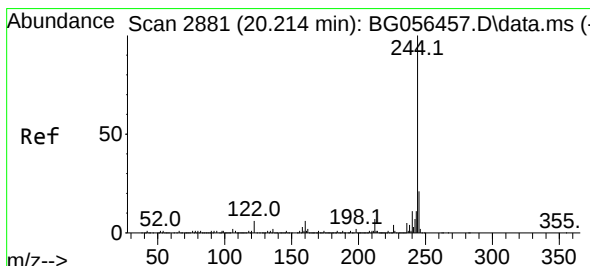
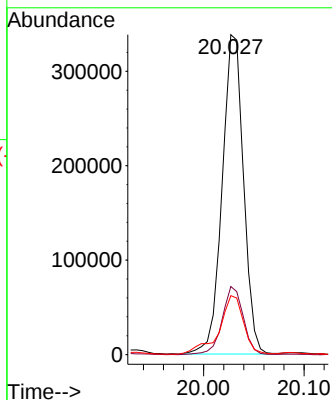
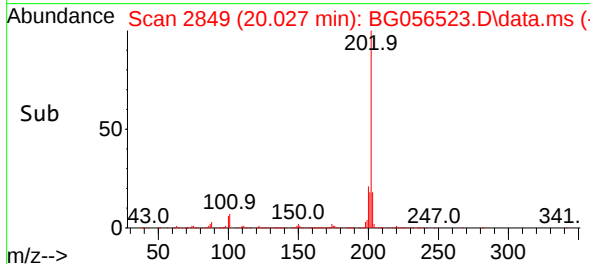
Instrument :
BNA_G
ClientSampleId :
B-07-SB01



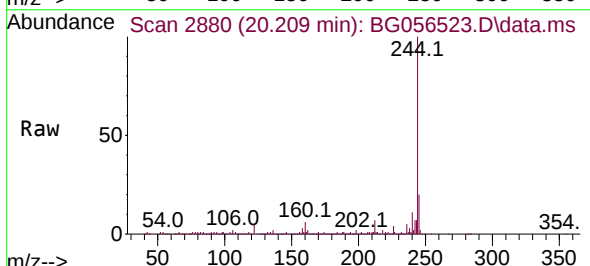
Tgt Ion:202 Resp: 501600
Ion Ratio Lower Upper
202 100
200 21.3 16.7 25.1
203 18.4 14.4 21.6

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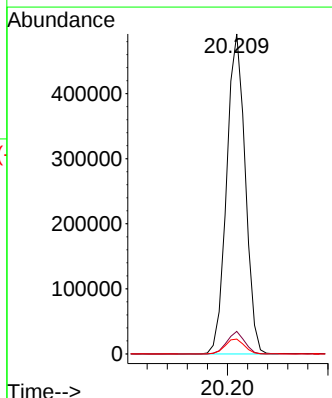
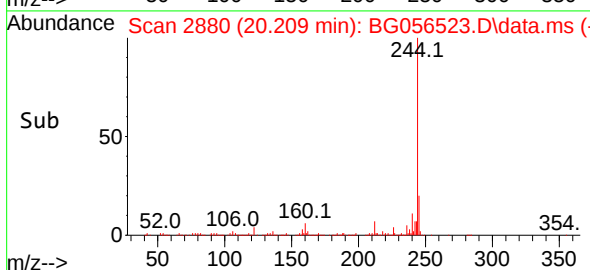
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

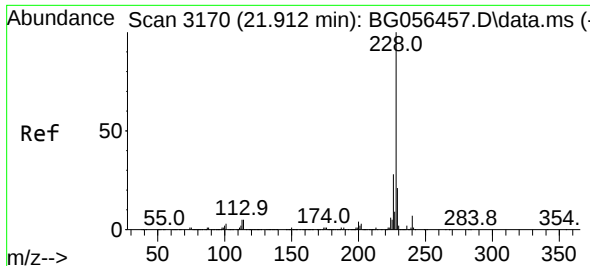


#79
Terphenyl-d14
Concen: 42.572 ng
RT: 20.209 min Scan# 2880
Delta R.T. 0.001 min
Lab File: BG056523.D
Acq: 2 Feb 2023 20:56



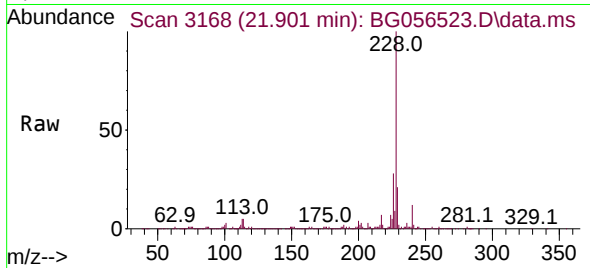
Tgt Ion:244 Resp: 632367
Ion Ratio Lower Upper
244 100
212 7.0 5.5 8.3
122 4.7 4.4 6.6





#81
Benzo(a)anthracene
Concen: 17.739 ng
RT: 21.901 min Scan# 3170
Delta R.T. 0.001 min
Lab File: BG056523.D
Acq: 2 Feb 2023 20:56

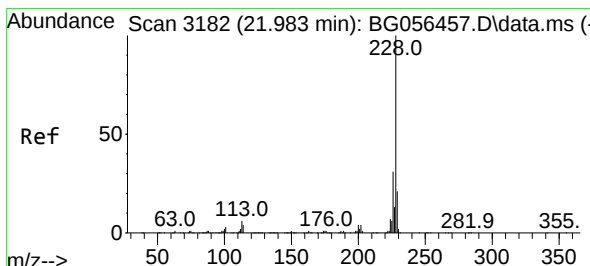
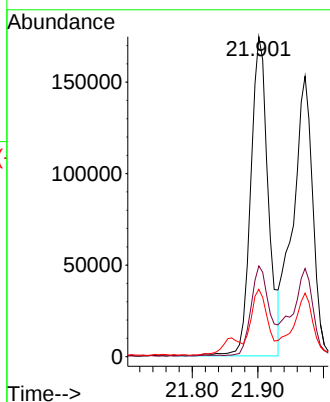
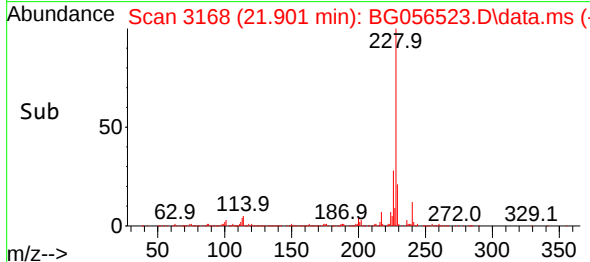
Instrument :
BNA_G
ClientSampleId :
B-07-SB01



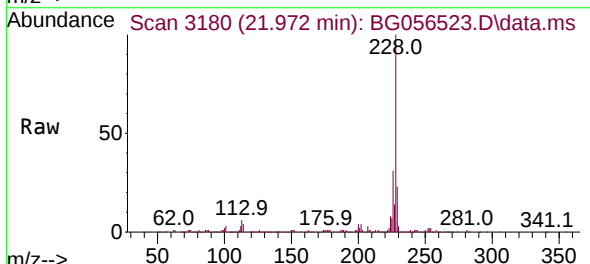
Tgt Ion:228 Resp: 323547
Ion Ratio Lower Upper
228 100
226 28.4 22.4 33.6
229 21.0 16.5 24.7

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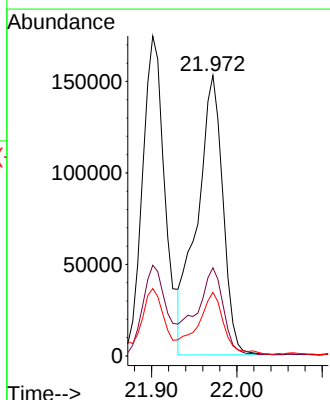
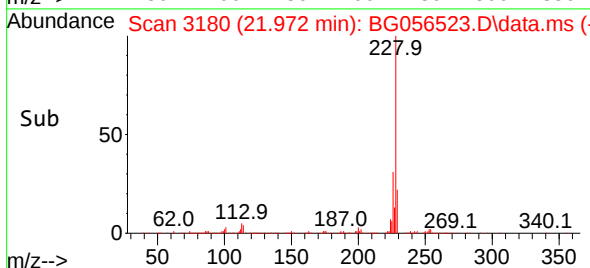
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

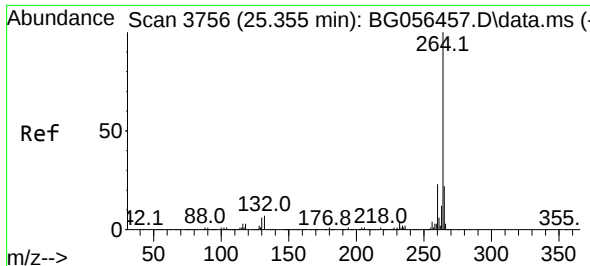


#83
Chrysene
Concen: 18.781 ng
RT: 21.972 min Scan# 3180
Delta R.T. -0.005 min
Lab File: BG056523.D
Acq: 2 Feb 2023 20:56



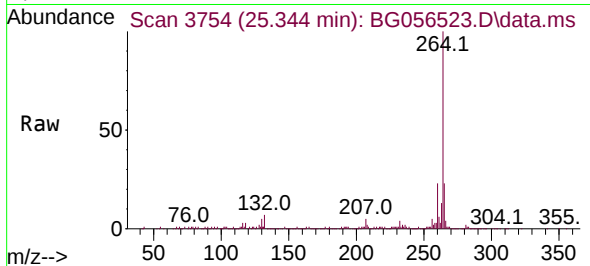
Tgt Ion:228 Resp: 321825
Ion Ratio Lower Upper
228 100
226 31.4 25.0 37.4
229 22.6 16.4 24.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.344 min Scan# 31
Delta R.T. 0.001 min
Lab File: BG056523.D
Acq: 2 Feb 2023 20:56

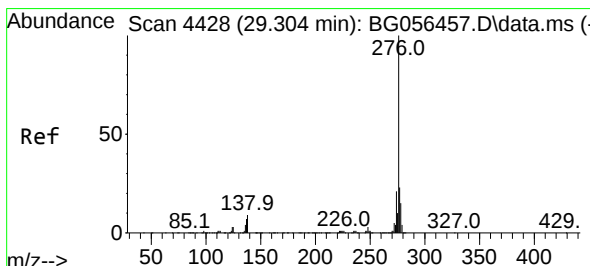
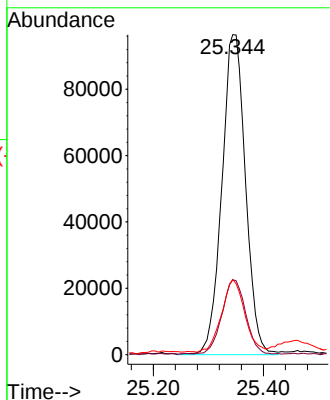
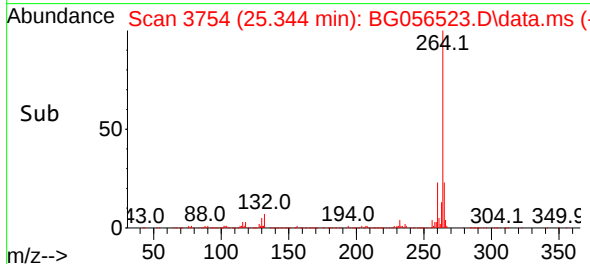
Instrument :
BNA_G
ClientSampleId :
B-07-SB01



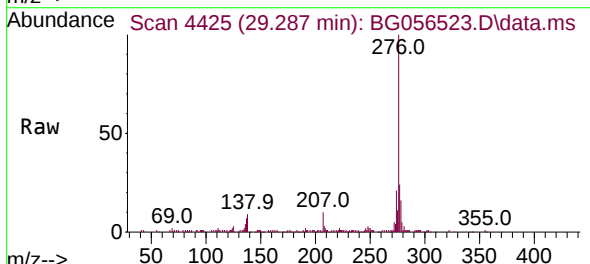
Tgt Ion:264 Resp: 287279
Ion Ratio Lower Upper
264 100
260 23.4 18.2 27.4
265 23.5 18.1 27.1

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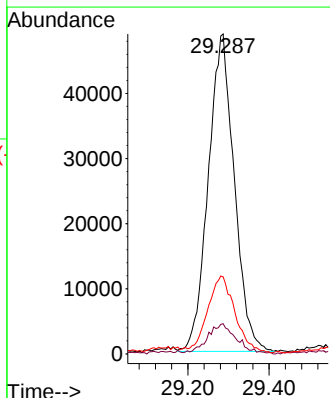
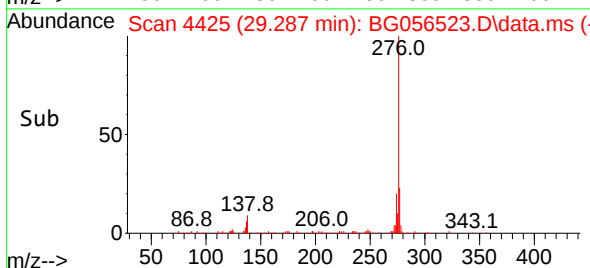
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

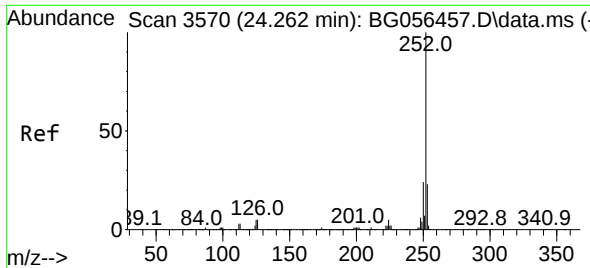


#87
Indeno(1,2,3-cd)pyrene
Concen: 10.322 ng
RT: 29.287 min Scan# 4425
Delta R.T. 0.007 min
Lab File: BG056523.D
Acq: 2 Feb 2023 20:56



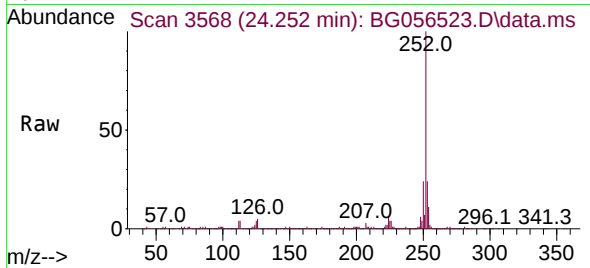
Tgt Ion:276 Resp: 217054
Ion Ratio Lower Upper
276 100
138 10.6 9.4 14.2
277 25.4 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 30.442 ng
RT: 24.252 min Scan# 3568
Delta R.T. 0.001 min
Lab File: BG056523.D
Acq: 2 Feb 2023 20:56

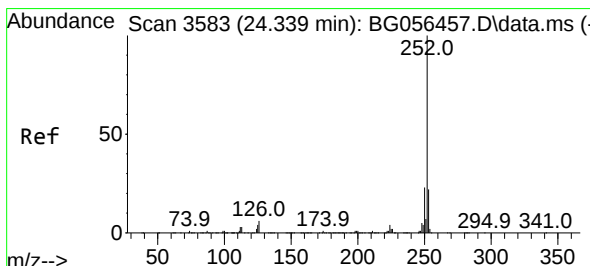
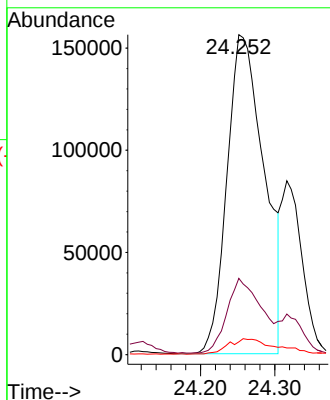
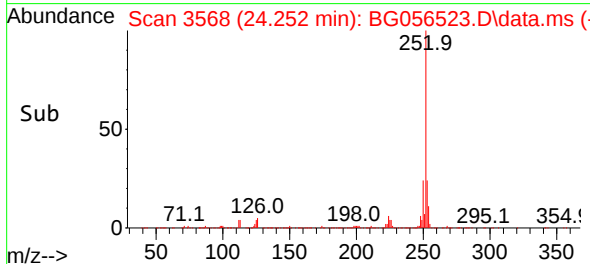
Instrument :
BNA_G
ClientSampleId :
B-07-SB01



Tgt Ion:252 Resp: 542818
Ion Ratio Lower Upper
252 100
253 23.8 18.1 27.1
125 4.0 3.9 5.9

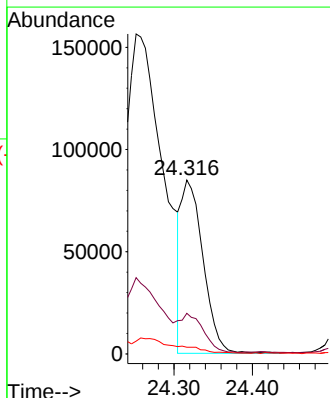
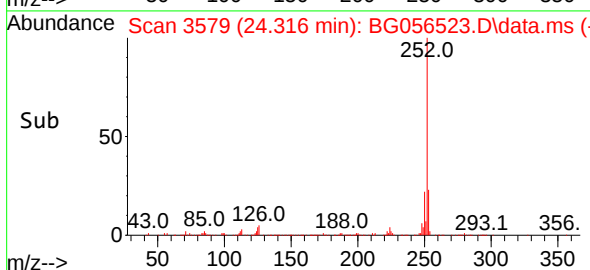
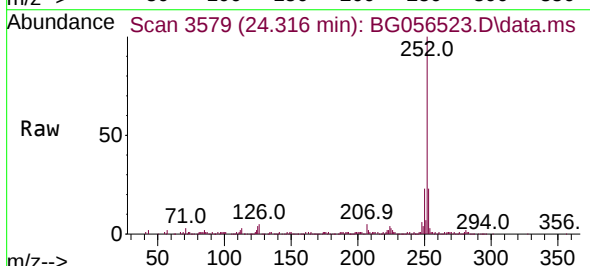
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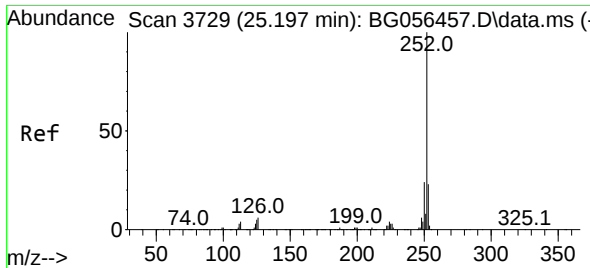
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#89
Benzo(k)fluoranthene
Concen: 9.124 ng m
RT: 24.316 min Scan# 3579
Delta R.T. -0.005 min
Lab File: BG056523.D
Acq: 2 Feb 2023 20:56

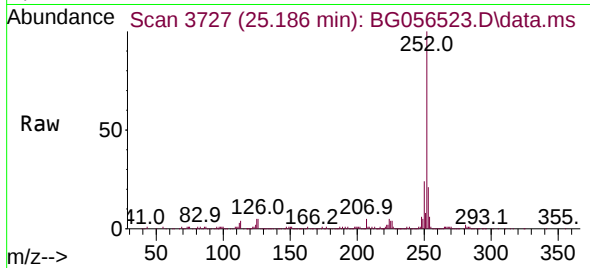
Tgt Ion:252 Resp: 164257
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 3.8 3.4 5.0





#90
Benzo(a)pyrene
Concen: 16.157 ng
RT: 25.186 min Scan# 3727
Delta R.T. 0.001 min
Lab File: BG056523.D
Acq: 2 Feb 2023 20:56

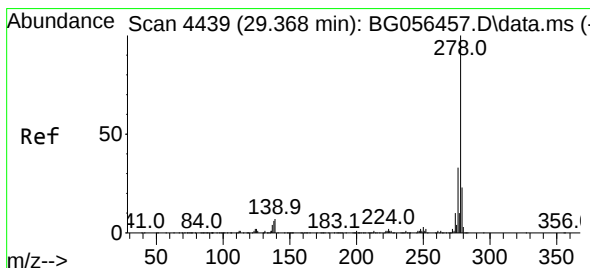
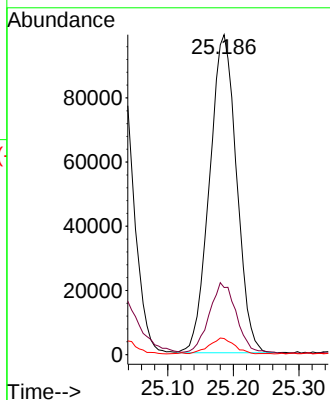
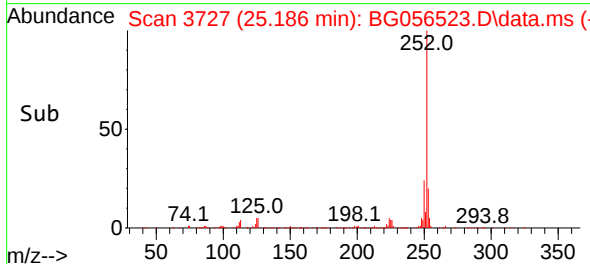
Instrument :
BNA_G
ClientSampleId :
B-07-SB01



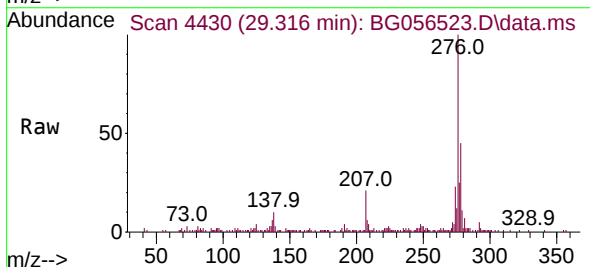
Tgt Ion:252 Resp: 283799
Ion Ratio Lower Upper
252 100
253 21.0 18.4 27.6
125 5.0 4.1 6.1

Manual Integrations
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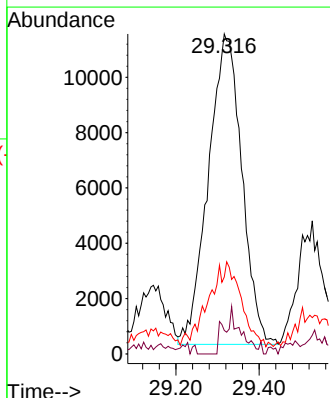
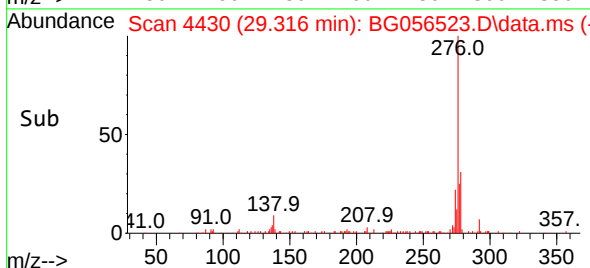
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

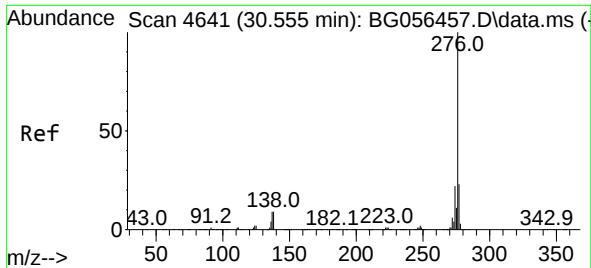


#91
Dibenzo(a,h)anthracene
Concen: 3.552 ng
RT: 29.316 min Scan# 4430
Delta R.T. -0.029 min
Lab File: BG056523.D
Acq: 2 Feb 2023 20:56



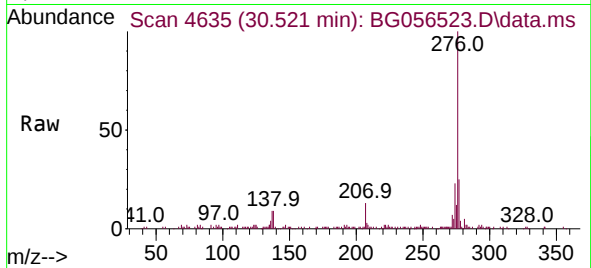
Tgt Ion:278 Resp: 62696
Ion Ratio Lower Upper
278 100
139 7.3 5.5 8.3
279 24.0 18.8 28.2





#92
 Benzo(g,h,i)perylene
 Concen: 11.095 ng
 RT: 30.521 min Scan# 4635
 Delta R.T. -0.005 min
 Lab File: BG056523.D
 Acq: 2 Feb 2023 20:56

Instrument :
 BNA_G
 ClientSampleId :
 B-07-SB01



Tgt Ion:276 Resp: 188969
 Ion Ratio Lower Upper
 276 100
 277 24.6 18.5 27.7
 138 8.5 7.4 11.0

Manual Integrations
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Reviewed By :Christian Giraldo 02/03/2023
 Supervised By :Jagrut Upadhyay 02/03/2023

