

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022123\
 Data File : BG056685.D
 Acq On : 21 Feb 2023 15:27
 Operator : CG/JU
 Sample : 01552-02DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-01-4.0-6.0DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/22/2023
 Supervised By : Jagrut Upadhyay 02/22/2023

Quant Time: Feb 21 16:06:18 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 21 16:06:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.429	152	21339	20.000	ng	0.00
21) Naphthalene-d8	11.273	136	83749	20.000	ng	0.00
39) Acenaphthene-d10	15.039	164	60560	20.000	ng	0.00
64) Phenanthrene-d10	17.771	188	135440	20.000	ng	0.00
76) Chrysene-d12	22.089	240	120719	20.000	ng	0.00
86) Perylene-d12	25.632	264	133419	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.938	112	21908	16.705	ng	0.00
7) Phenol-d6	7.548	99	32115	16.577	ng	0.00
23) Nitrobenzene-d5	9.598	82	21124	12.914	ng	0.00
42) 2,4,6-Tribromophenol	16.514	330	14070	16.969	ng	0.00
45) 2-Fluorobiphenyl	13.664	172	46198	10.215	ng	0.00
79) Terphenyl-d14	20.339	244	77150	10.456	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.320	128	18934	4.079	ng	98
37) 2-Methylnaphthalene	12.894	142	16310m	4.450	ng	
38) 1-Methylnaphthalene	13.112	142	14270	4.173	ng	96
58) Fluorene	16.073	166	16821	3.461	ng	85
71) Phenanthrene	17.818	178	164359	22.305	ng	99
72) Anthracene	17.906	178	18299	2.427	ng	95
75) Fluoranthene	19.798	202	126210	12.981	ng	99
78) Pyrene	20.162	202	151542	16.622	ng	100
81) Benzo(a)anthracene	22.066	228	70428	7.845	ng	96
83) Chrysene	22.142	228	64581	7.695	ng	99
87) Indeno(1,2,3-cd)pyrene	29.722	276	34209	3.274	ng	# 96
88) Benzo(b)fluoranthene	24.504	252	67553	7.750	ng	98
89) Benzo(k)fluoranthene	24.563	252	28624m	3.339	ng	
90) Benzo(a)pyrene	25.462	252	57628	6.878	ng	98
92) Benzo(g,h,i)perylene	30.985	276	39118m	4.626	ng	

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

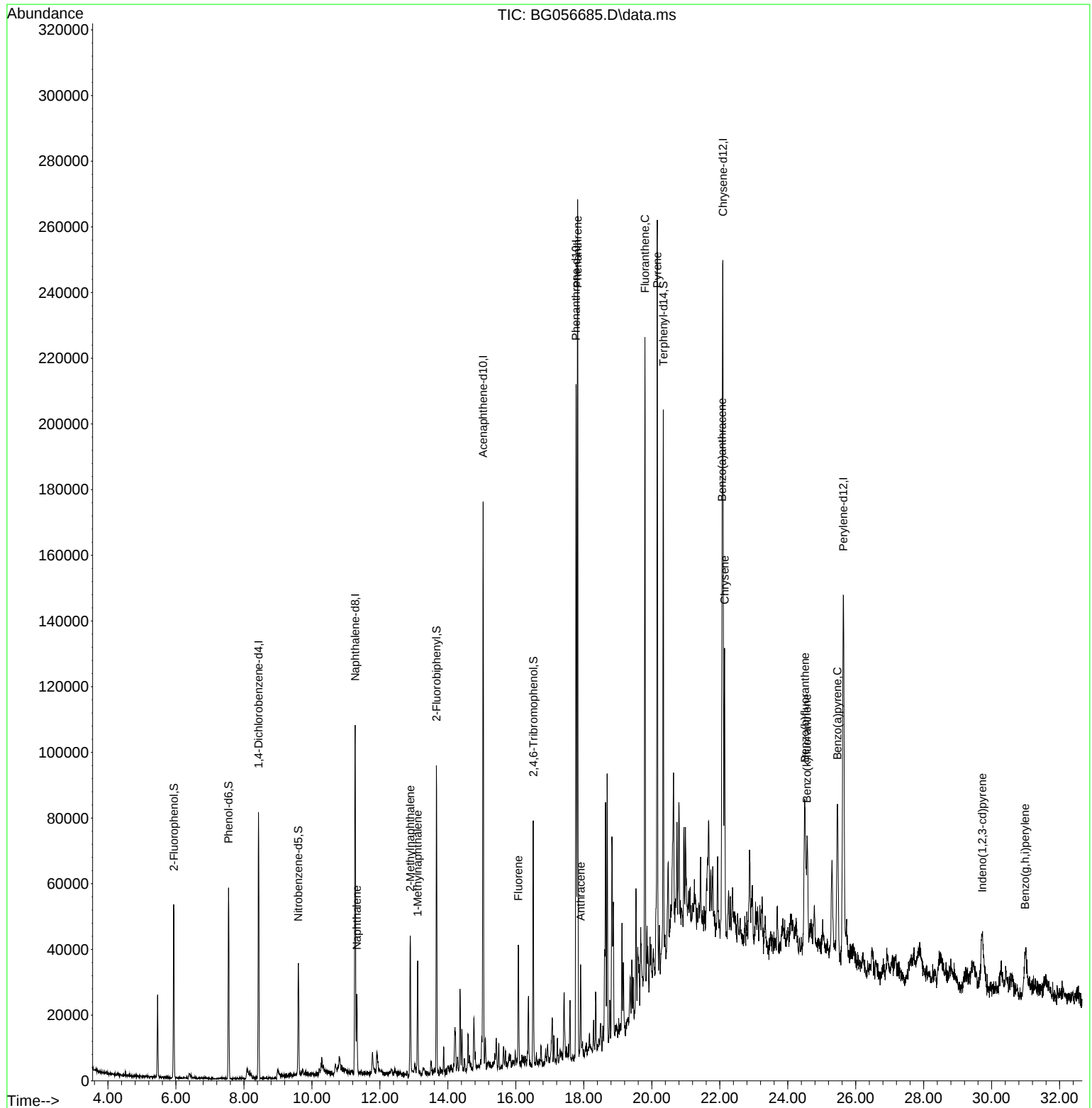
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022123\
Data File : BG056685.D
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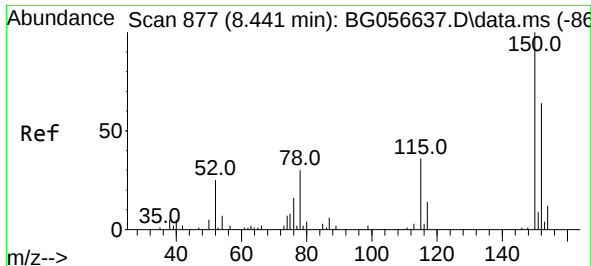
Instrument :
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Quant Time: Feb 21 16:06:18 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 21 16:06:07 2023
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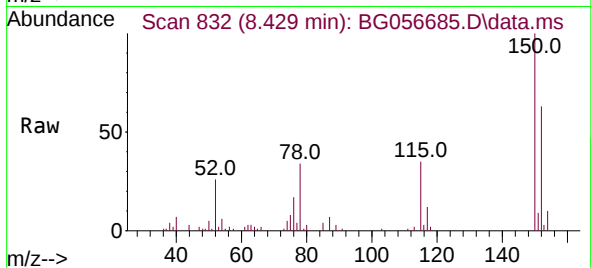
Reviewed By :Christian Giraldo 02/22/2023
Supervised By :Jagrut Upadhyay 02/22/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.429 min Scan# 84
Delta R.T. -0.000 min
Lab File: BG056685.D
Acq: 21 Feb 2023 15:27

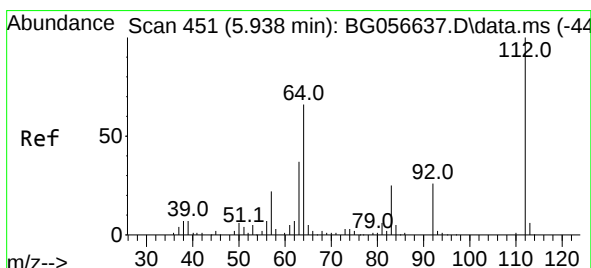
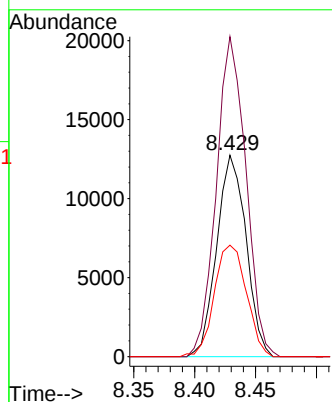
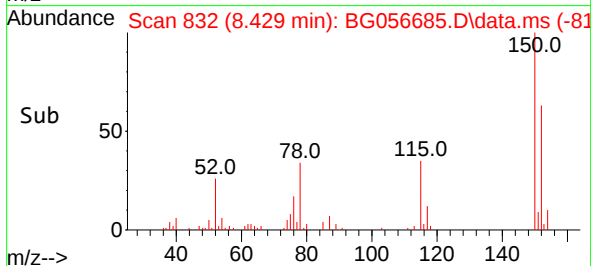
Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0DL



Tgt Ion:152 Resp: 21339
Ion Ratio Lower Upper
152 100
150 158.9 124.8 187.2
115 55.3 44.7 67.1

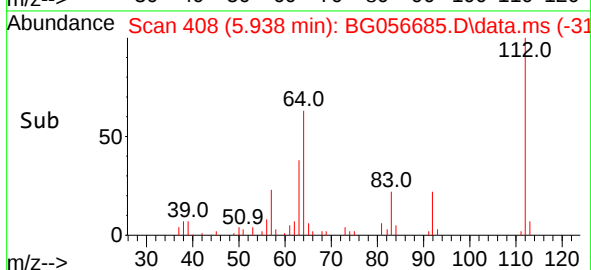
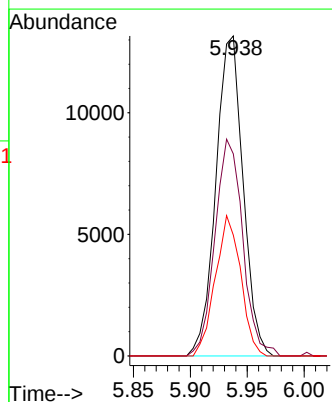
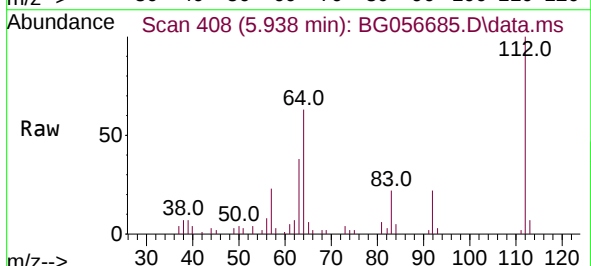
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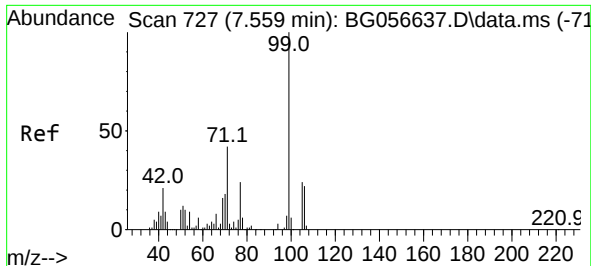
Reviewed By :Christian Giraldo 02/22/2023
Supervised By :Jagrut Upadhyay 02/22/2023



#5
2-Fluorophenol
Concen: 16.705 ng
RT: 5.938 min Scan# 408
Delta R.T. 0.006 min
Lab File: BG056685.D
Acq: 21 Feb 2023 15:27

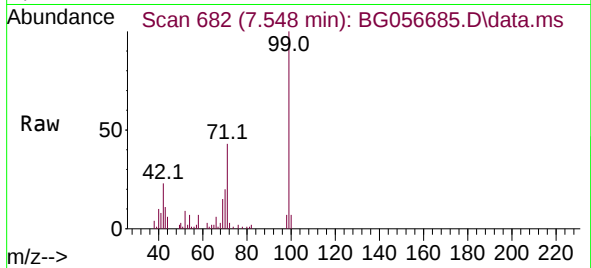
Tgt Ion:112 Resp: 21908
Ion Ratio Lower Upper
112 100
64 63.1 52.6 78.8
63 37.7 29.8 44.6





#7
Phenol-d6
Concen: 16.577 ng
RT: 7.548 min Scan# 68
Delta R.T. -0.006 min
Lab File: BG056685.D
Acq: 21 Feb 2023 15:27

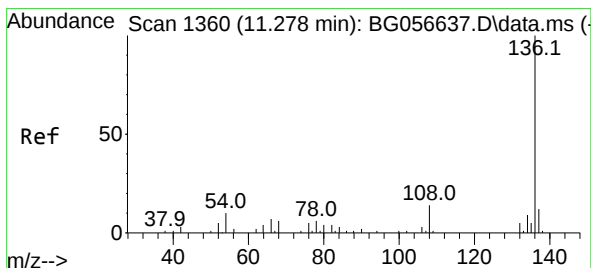
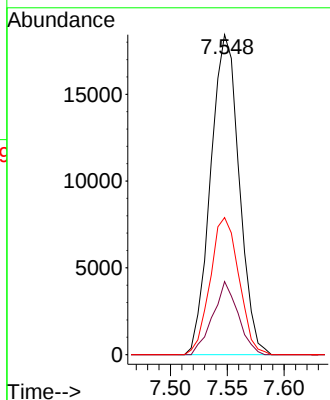
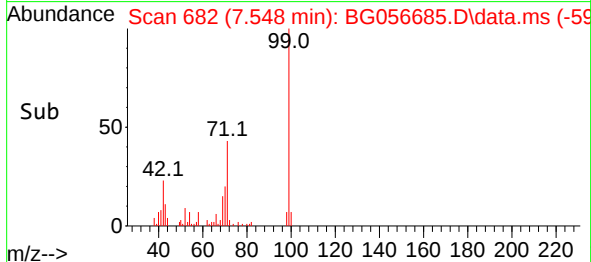
Instrument :
BNA_G
ClientSampleId :
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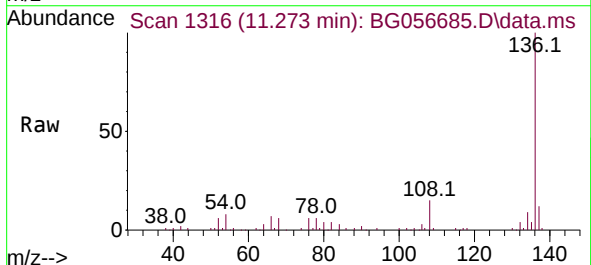
Tgt Ion: 99 Resp: 32115
Ion Ratio Lower Upper
99 100
42 22.8 16.8 25.2
71 42.8 33.9 50.9

Manual Integrations
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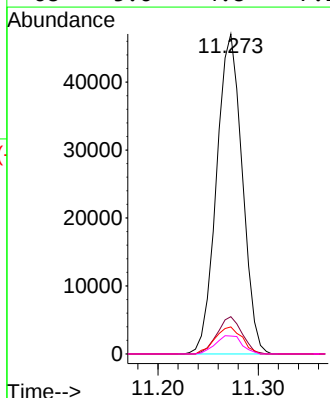
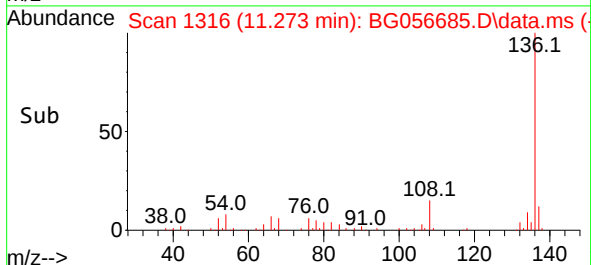
Reviewed By :Christian Giraldo 02/22/2023
Supervised By :Jagrut Upadhyay 02/22/2023

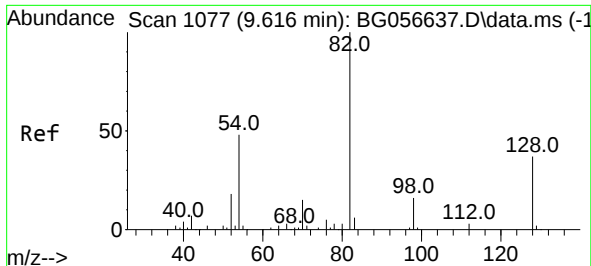


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.273 min Scan# 1316
Delta R.T. -0.000 min
Lab File: BG056685.D
Acq: 21 Feb 2023 15:27



Tgt Ion:136 Resp: 83749
Ion Ratio Lower Upper
136 100
137 11.6 9.7 14.5
54 8.4 7.7 11.5
68 5.6 4.8 7.2





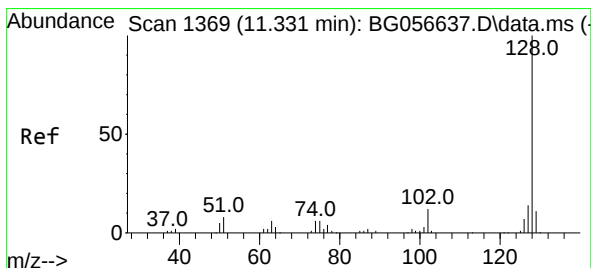
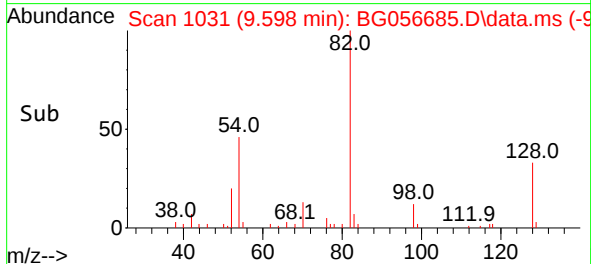
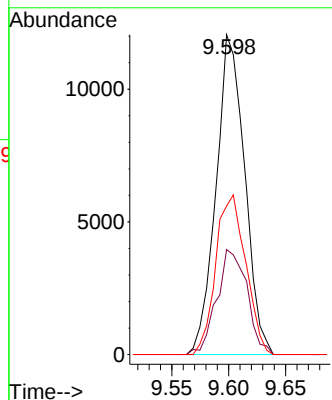
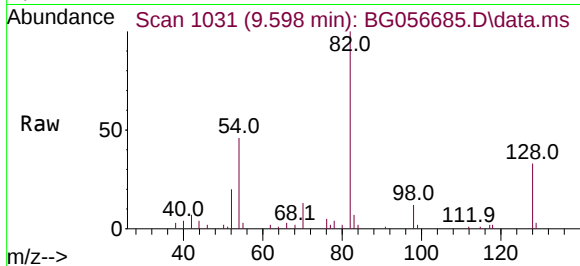
#23
Nitrobenzene-d5
Concen: 12.914 ng
RT: 9.598 min Scan# 1077
Delta R.T. -0.006 min
Lab File: BG056685.D
Acq: 21 Feb 2023 15:27

Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0DL

Tgt Ion: 82 Resp: 21124
Ion Ratio Lower Upper
82 100
128 32.8 29.4 44.2
54 46.4 37.8 56.6

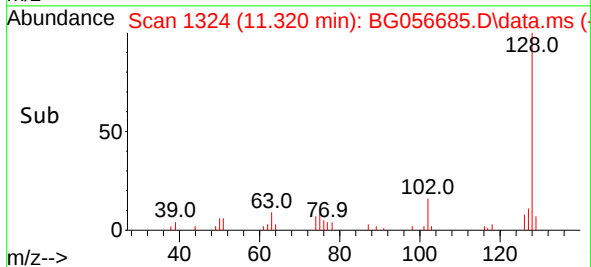
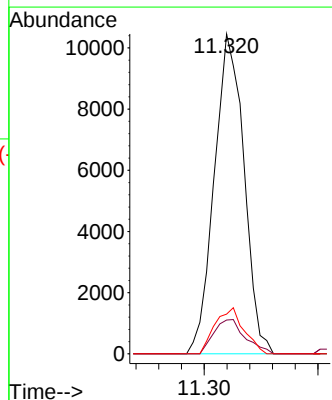
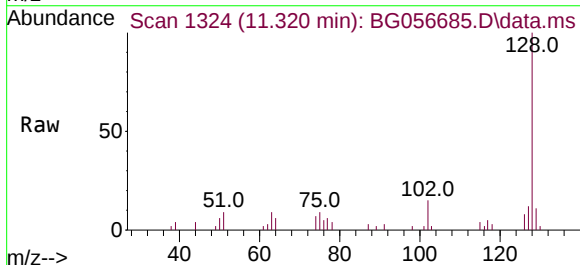
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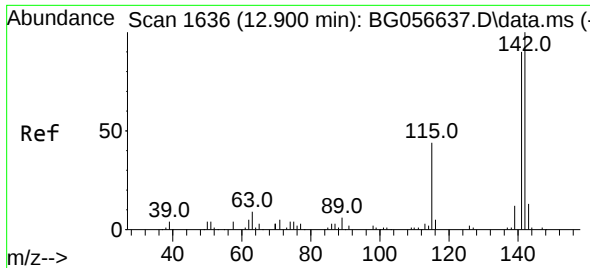
Reviewed By :Christian Giraldo 02/22/2023
Supervised By :Jagrut Upadhyay 02/22/2023



#31
Naphthalene
Concen: 4.079 ng
RT: 11.320 min Scan# 1324
Delta R.T. -0.000 min
Lab File: BG056685.D
Acq: 21 Feb 2023 15:27

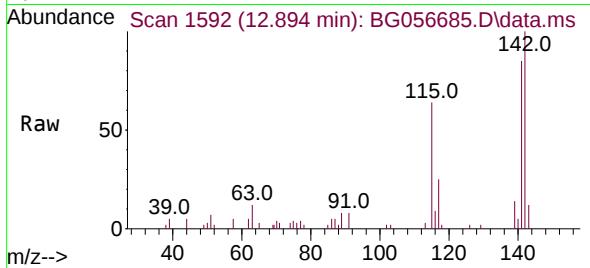
Tgt Ion:128 Resp: 18934
Ion Ratio Lower Upper
128 100
129 10.6 8.7 13.1
127 12.4 10.9 16.3





#37
2-Methylnaphthalene
Concen: 4.450 ng m
RT: 12.894 min Scan# 16310
Delta R.T. -0.000 min
Lab File: BG056685.D
Acq: 21 Feb 2023 15:27

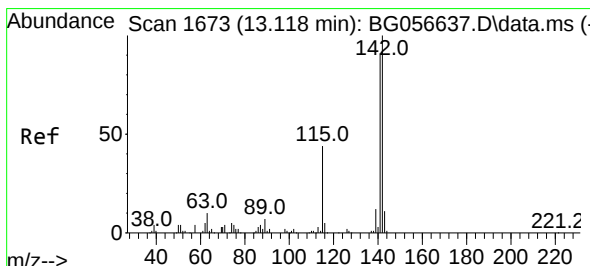
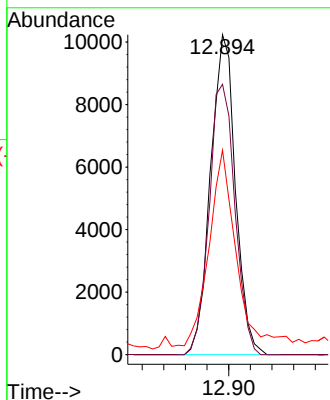
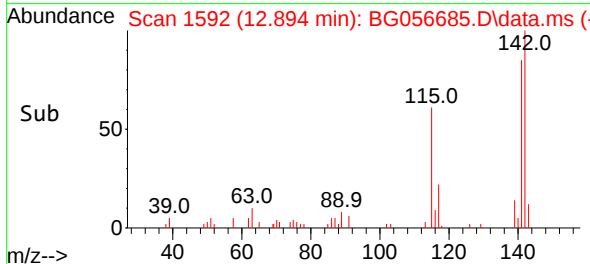
Instrument :
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ClientSampleId :
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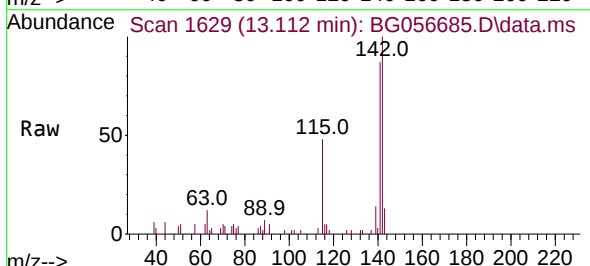
Tgt Ion:142 Resp: 16310
Ion Ratio Lower Upper
142 100
141 84.5 71.9 107.9
115 63.9 35.1 52.7

Manual Integrations
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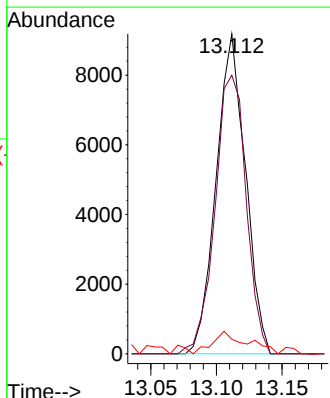
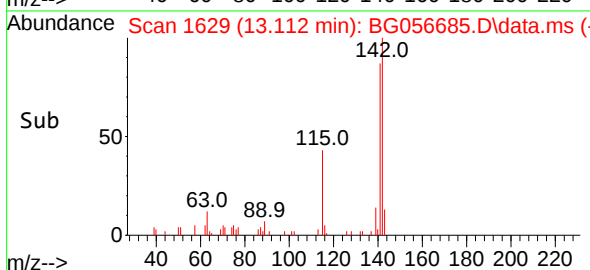
Reviewed By :Christian Giraldo 02/22/2023
Supervised By :Jagrut Upadhyay 02/22/2023

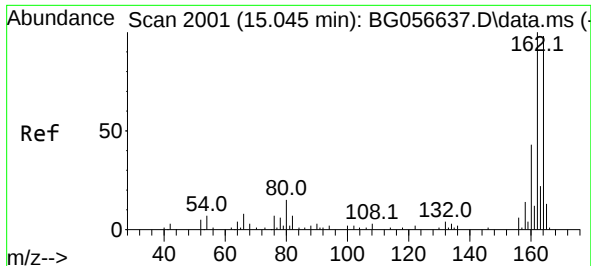


#38
1-Methylnaphthalene
Concen: 4.173 ng
RT: 13.112 min Scan# 1629
Delta R.T. -0.000 min
Lab File: BG056685.D
Acq: 21 Feb 2023 15:27



Tgt Ion:142 Resp: 14270
Ion Ratio Lower Upper
142 100
141 87.1 72.7 109.1
116 4.6 4.2 6.4





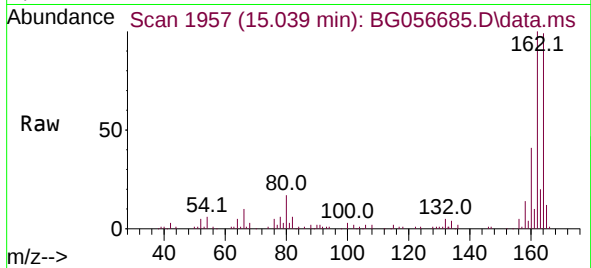
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.039 min Scan# 1957
Delta R.T. 0.006 min
Lab File: BG056685.D
Acq: 21 Feb 2023 15:27

Instrument :

BNA_G

ClientSampleId :

SB-01-4.0-6.0DL

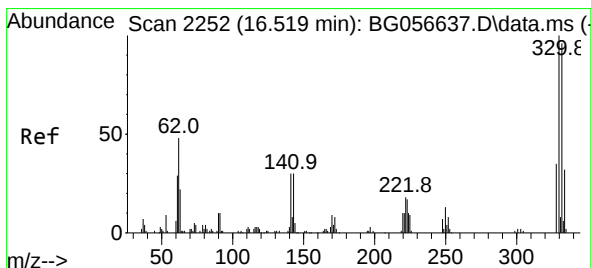
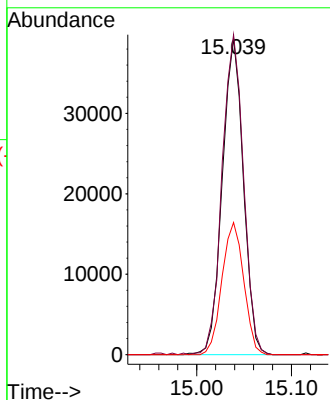
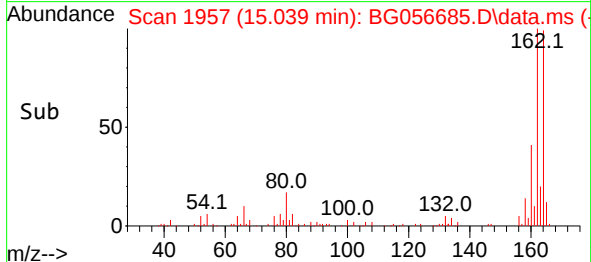


Tgt Ion:164 Resp: 60560
Ion Ratio Lower Upper
164 100
162 101.1 81.3 121.9
160 41.7 35.2 52.8

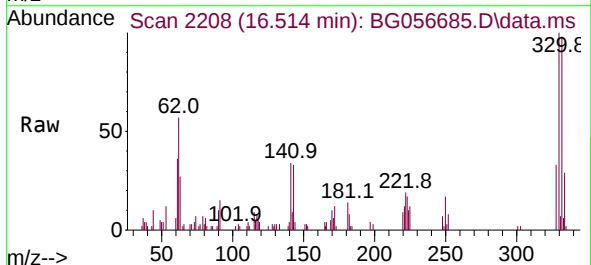
Manual Integrations

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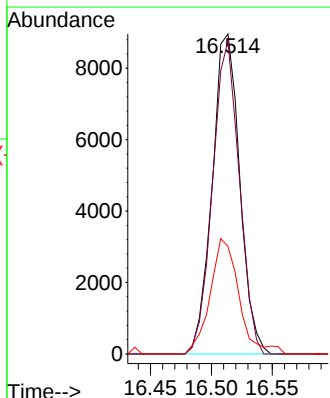
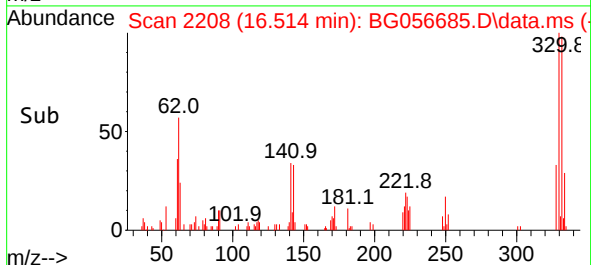
Reviewed By :Christian Giraldo 02/22/2023
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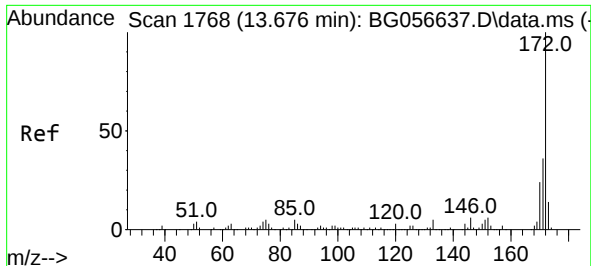


#42
2,4,6-Tribromophenol
Concen: 16.969 ng
RT: 16.514 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BG056685.D
Acq: 21 Feb 2023 15:27



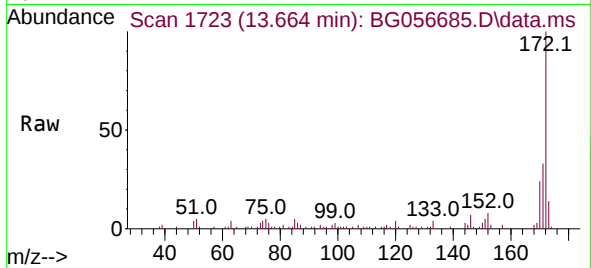
Tgt Ion:330 Resp: 14070
Ion Ratio Lower Upper
330 100
332 94.8 75.7 113.5
141 37.7 24.6 37.0#





#45
2-Fluorobiphenyl
Concen: 10.215 ng
RT: 13.664 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG056685.D
Acq: 21 Feb 2023 15:27

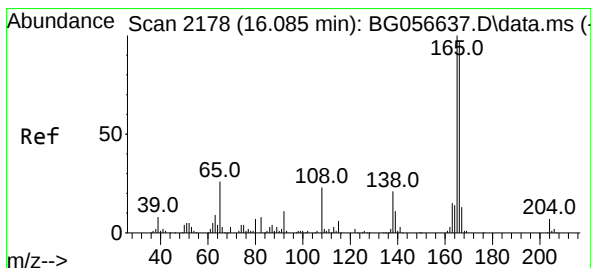
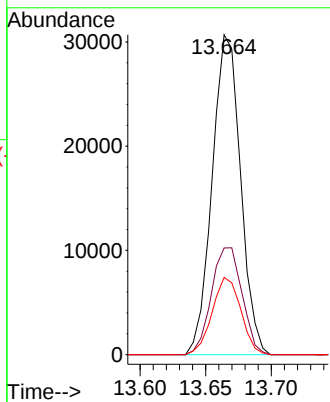
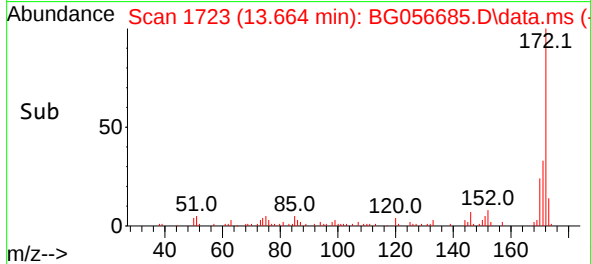
Instrument :
BNA_G
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SB-01-4.0-6.0DL



Tgt Ion:172 Resp: 46198
Ion Ratio Lower Upper
172 100
171 33.3 28.6 43.0
170 24.2 19.4 29.0

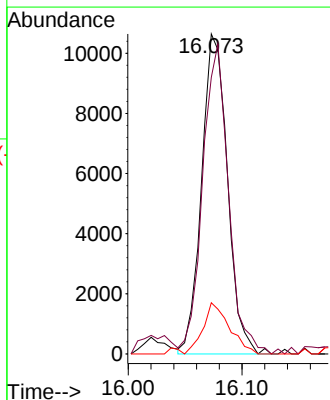
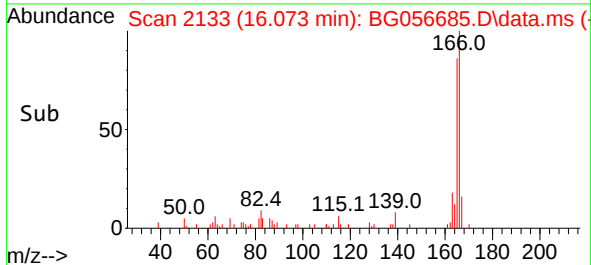
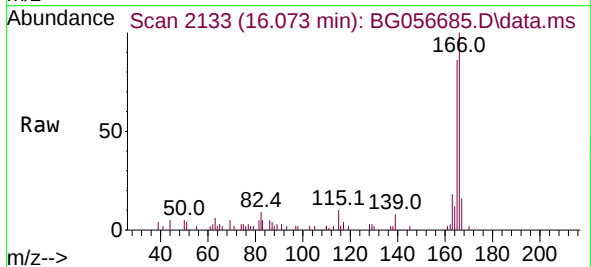
Manual Integrations
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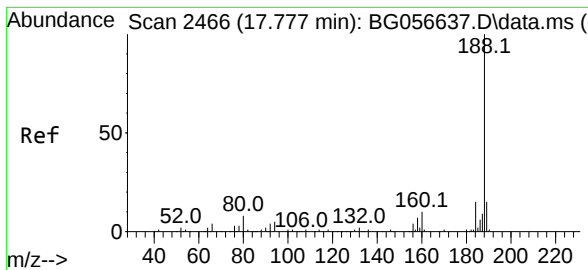
Reviewed By :Christian Giraldo 02/22/2023
Supervised By :Jagrut Upadhyay 02/22/2023



#58
Fluorene
Concen: 3.461 ng
RT: 16.073 min Scan# 2133
Delta R.T. -0.000 min
Lab File: BG056685.D
Acq: 21 Feb 2023 15:27

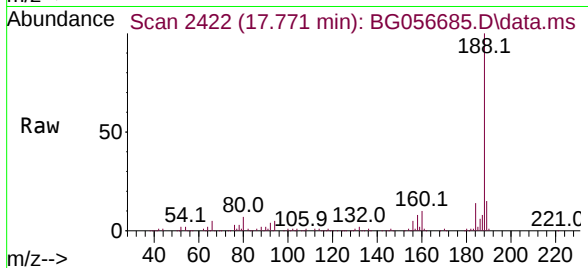
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Ion Ratio Lower Upper
166 100
165 86.4 82.9 124.3
167 16.0 11.1 16.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.771 min Scan# 2466
Delta R.T. -0.000 min
Lab File: BG056685.D
Acq: 21 Feb 2023 15:27

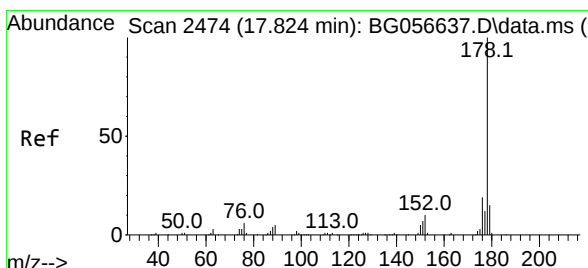
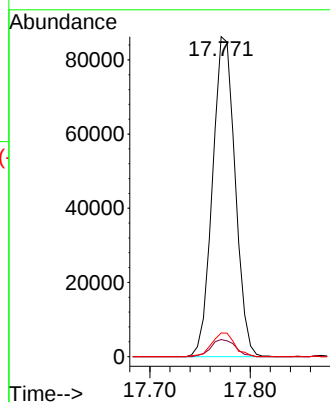
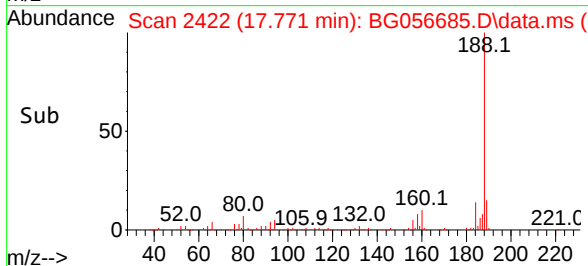
Instrument :
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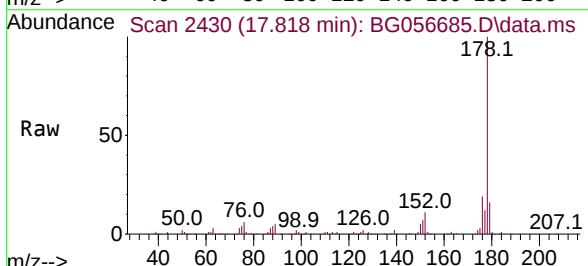
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Ion Ratio Lower Upper
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80 7.4 6.3 9.5

Manual Integrations
APPROVED

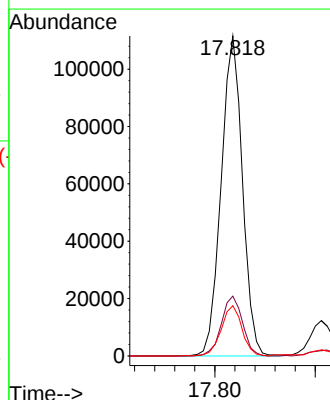
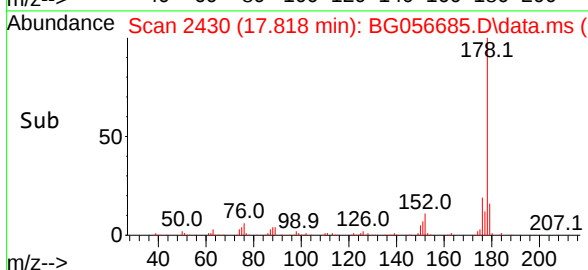
Reviewed By :Christian Giraldo 02/22/2023
Supervised By :Jagrut Upadhyay 02/22/2023

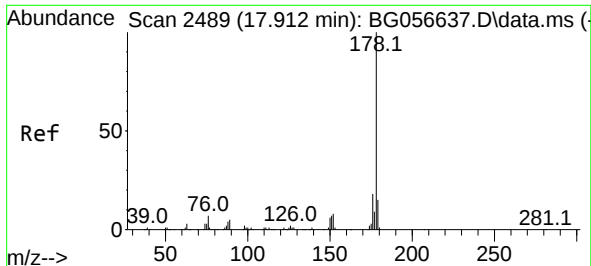


#71
Phenanthrene
Concen: 22.305 ng
RT: 17.818 min Scan# 2430
Delta R.T. 0.006 min
Lab File: BG056685.D
Acq: 21 Feb 2023 15:27



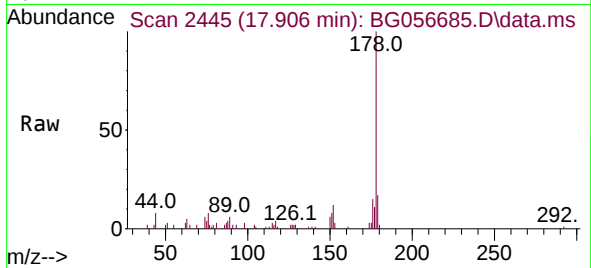
Tgt Ion:178 Resp: 164359
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.2
179 15.7 12.2 18.4





#72
 Anthracene
 Concen: 2.427 ng
 RT: 17.906 min Scan# 2489
 Delta R.T. -0.000 min
 Lab File: BG056685.D
 Acq: 21 Feb 2023 15:27

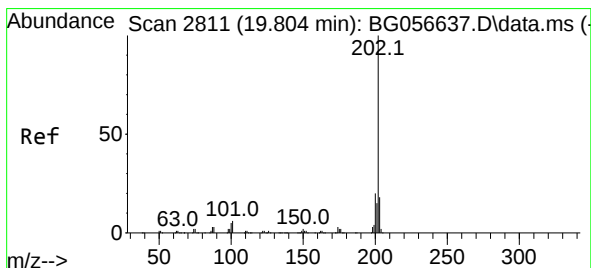
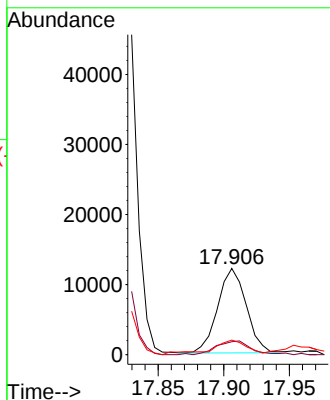
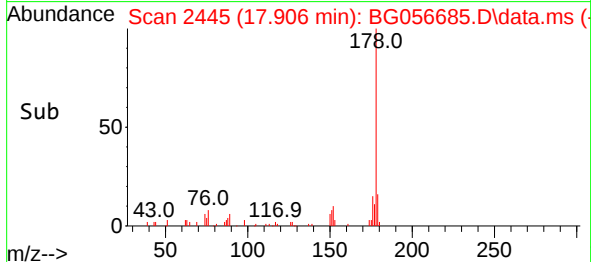
Instrument :
 BNA_G
 ClientSampleId :
 SB-01-4.0-6.0DL



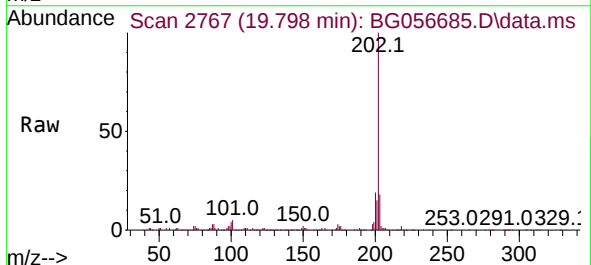
Tgt Ion:178 Resp: 18299
 Ion Ratio Lower Upper
 178 100
 176 15.0 14.3 21.5
 179 16.9 12.2 18.4

Manual Integrations
 APPROVED

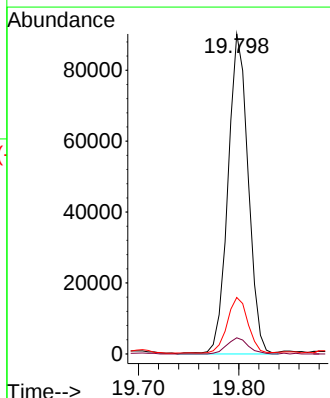
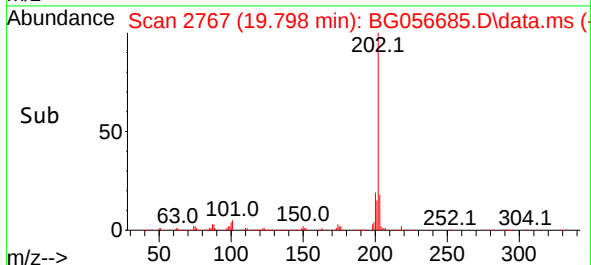
Reviewed By :Christian Giraldo 02/22/2023
 Supervised By :Jagrut Upadhyay 02/22/2023

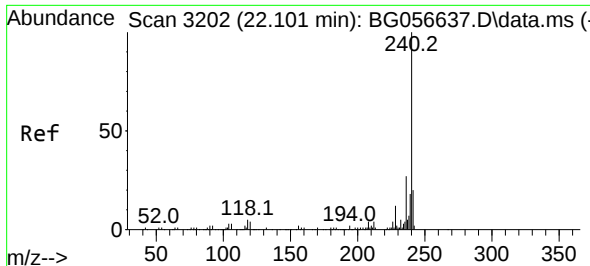


#75
 Fluoranthene
 Concen: 12.981 ng
 RT: 19.798 min Scan# 2767
 Delta R.T. -0.000 min
 Lab File: BG056685.D
 Acq: 21 Feb 2023 15:27



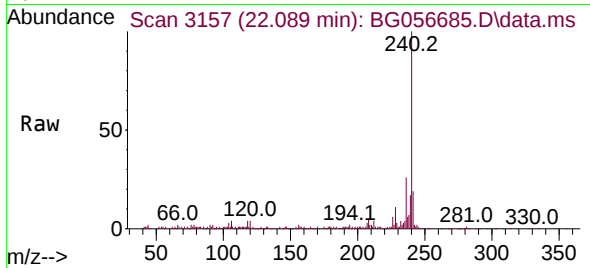
Tgt Ion:202 Resp: 126210
 Ion Ratio Lower Upper
 202 100
 101 5.0 0.0 25.8
 203 17.6 0.0 37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.089 min Scan# 3157
Delta R.T. -0.000 min
Lab File: BG056685.D
Acq: 21 Feb 2023 15:27

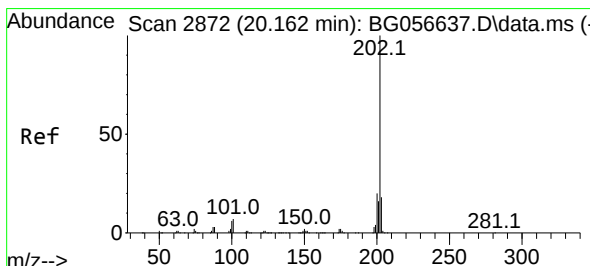
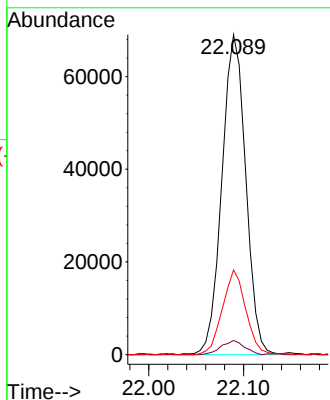
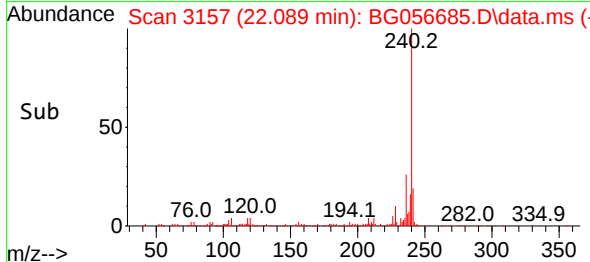
Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0DL



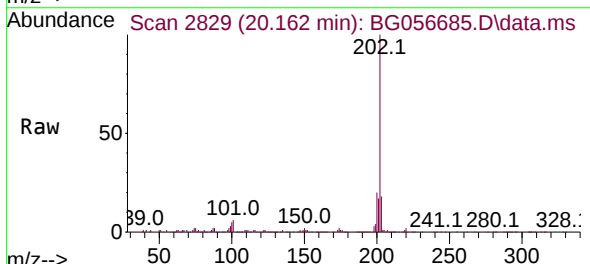
Tgt Ion:240 Resp: 120719
Ion Ratio Lower Upper
240 100
120 4.4 3.5 5.3
236 26.5 21.5 32.3

Manual Integrations
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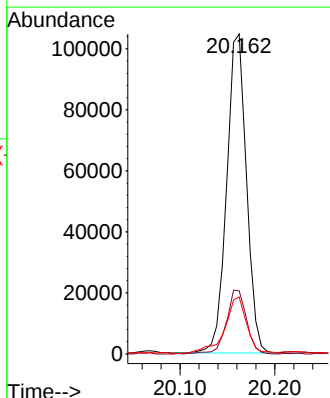
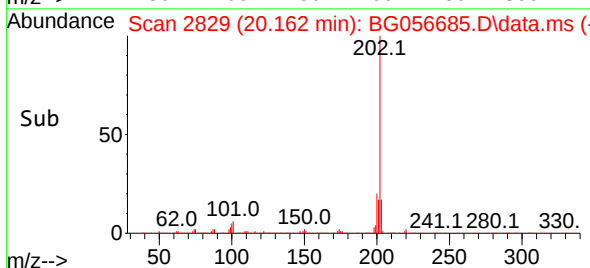
Reviewed By :Christian Giraldo 02/22/2023
Supervised By :Jagrut Upadhyay 02/22/2023

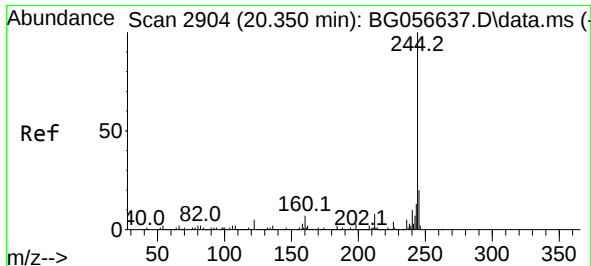


#78
Pyrene
Concen: 16.622 ng
RT: 20.162 min Scan# 2829
Delta R.T. 0.006 min
Lab File: BG056685.D
Acq: 21 Feb 2023 15:27



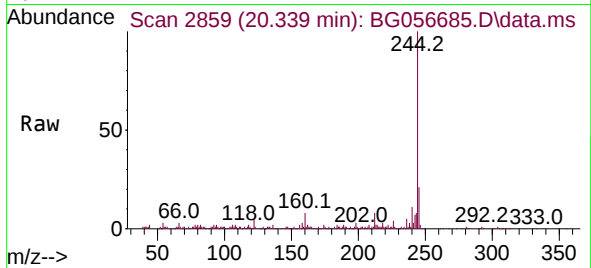
Tgt Ion:202 Resp: 151542
Ion Ratio Lower Upper
202 100
200 19.7 15.8 23.8
203 17.8 14.2 21.4





#79
Terphenyl-d14
Concen: 10.456 ng
RT: 20.339 min Scan# 2859
Delta R.T. -0.000 min
Lab File: BG056685.D
Acq: 21 Feb 2023 15:27

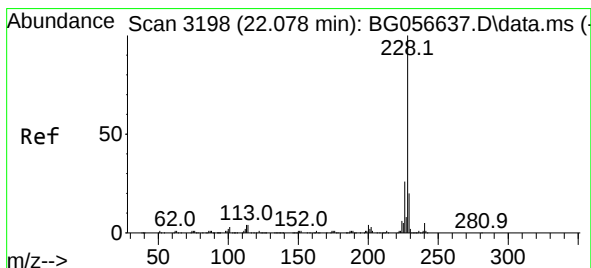
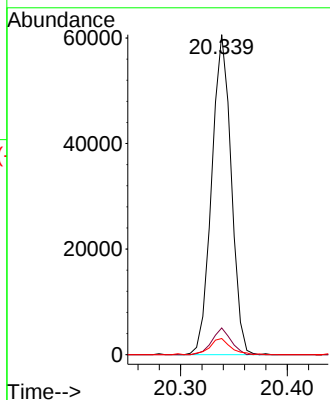
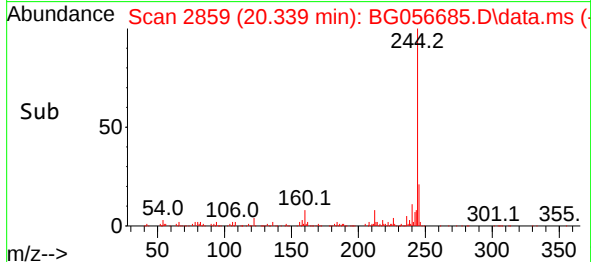
Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0DL



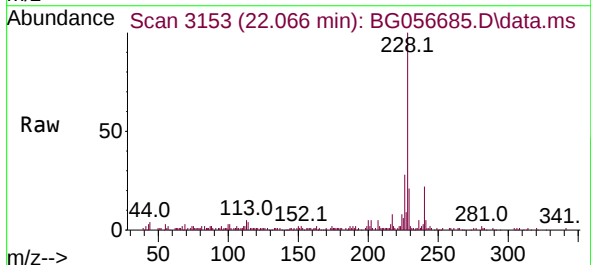
Tgt Ion:244 Resp: 77150
Ion Ratio Lower Upper
244 100
212 8.3 6.0 9.0
122 5.0 3.8 5.8

Manual Integrations
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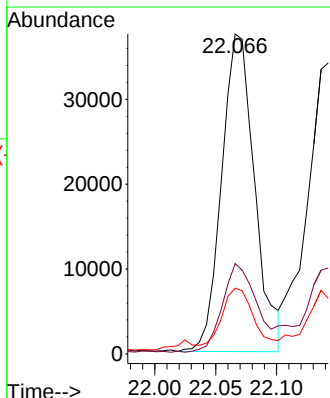
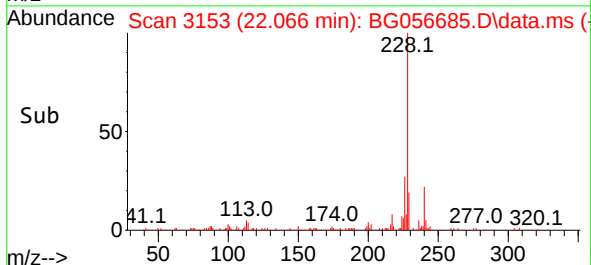
Reviewed By :Christian Giraldo 02/22/2023
Supervised By :Jagrut Upadhyay 02/22/2023

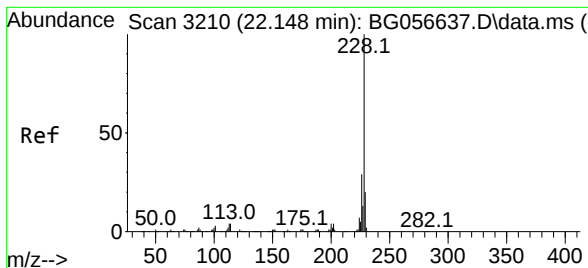


#81
Benzo(a)anthracene
Concen: 7.845 ng
RT: 22.066 min Scan# 3153
Delta R.T. -0.000 min
Lab File: BG056685.D
Acq: 21 Feb 2023 15:27



Tgt Ion:228 Resp: 70428
Ion Ratio Lower Upper
228 100
226 28.2 20.4 30.6
229 20.5 16.0 24.0





#83

Chrysene

Concen: 7.695 ng

RT: 22.142 min Scan# 3166

Delta R.T. 0.006 min

Lab File: BG056685.D

Acq: 21 Feb 2023 15:27

Instrument :

BNA_G

ClientSampleId :

SB-01-4.0-6.0DL

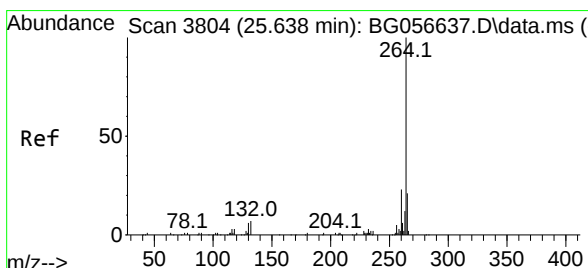
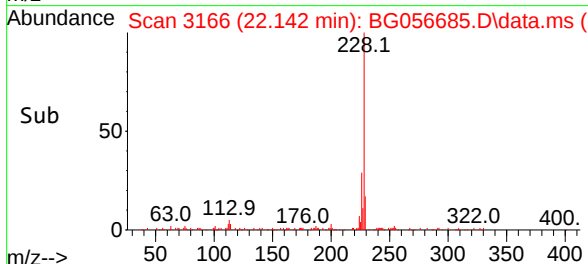
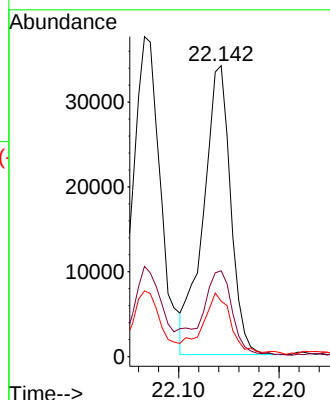
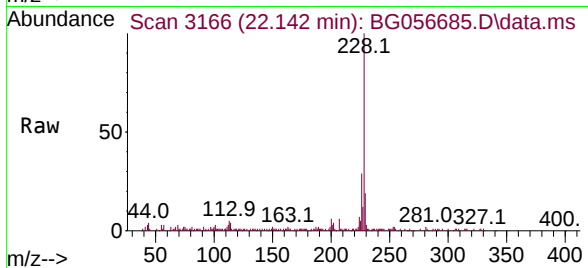
Tgt Ion:228 Resp: 6458

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.0	34.6
229	19.0	15.8	23.8

Manual Integrations

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Reviewed By :Christian Giraldo 02/22/2023
Supervised By :Jagrut Upadhyay 02/22/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.632 min Scan# 3760

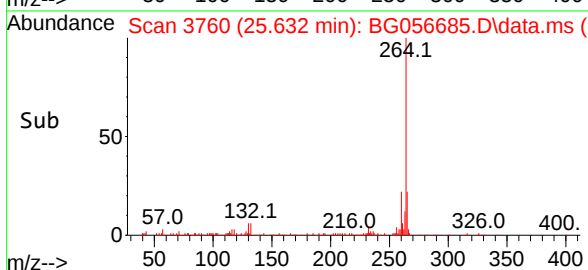
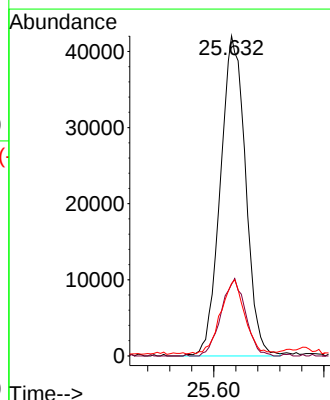
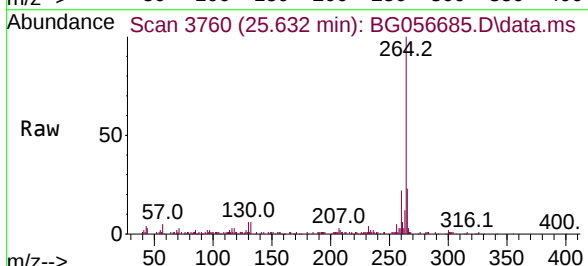
Delta R.T. 0.012 min

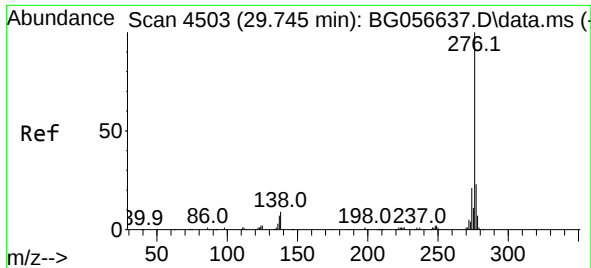
Lab File: BG056685.D

Acq: 21 Feb 2023 15:27

Tgt Ion:264 Resp: 133419

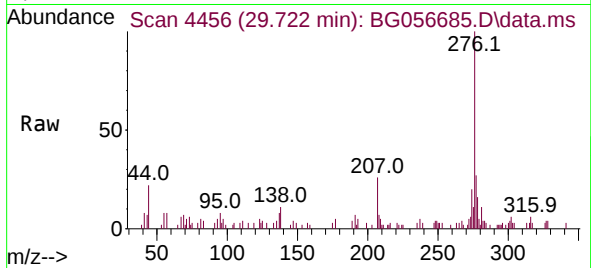
Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.6	27.8
265	22.6	17.0	25.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.274 ng
RT: 29.722 min Scan# 4456
Delta R.T. 0.012 min
Lab File: BG056685.D
Acq: 21 Feb 2023 15:27

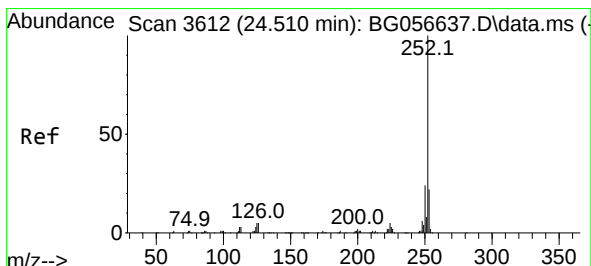
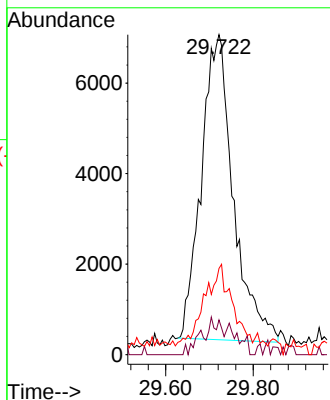
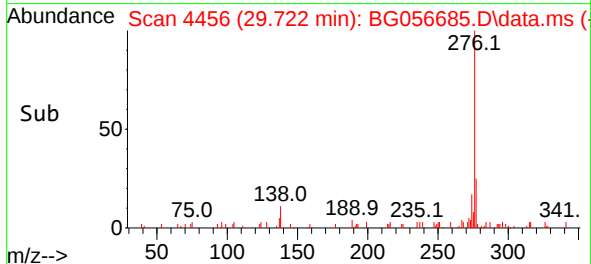
Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0DL



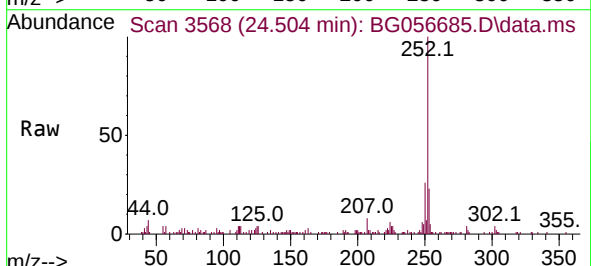
Tgt Ion:276 Resp: 34209
Ion Ratio Lower Upper
276 100
138 0.0 3.8 5.8
277 24.2 20.3 30.5

Manual Integrations
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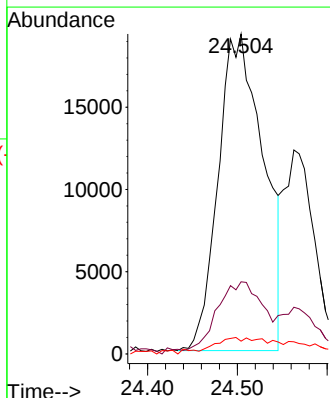
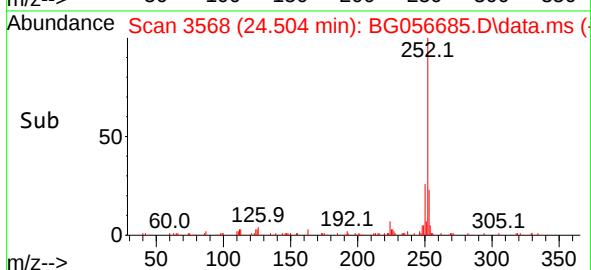
Reviewed By :Christian Giraldo 02/22/2023
Supervised By :Jagrut Upadhyay 02/22/2023

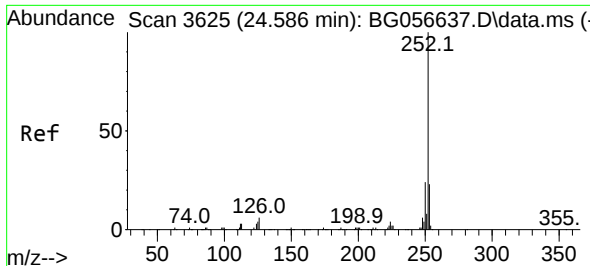


#88
Benzo(b)fluoranthene
Concen: 7.750 ng
RT: 24.504 min Scan# 3568
Delta R.T. 0.012 min
Lab File: BG056685.D
Acq: 21 Feb 2023 15:27



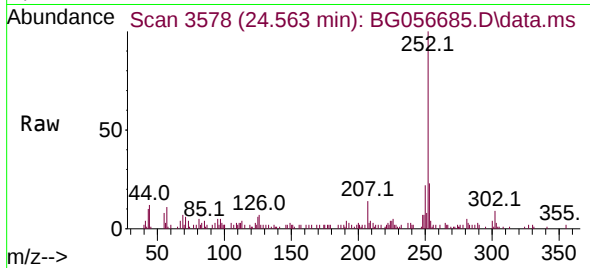
Tgt Ion:252 Resp: 67553
Ion Ratio Lower Upper
252 100
253 22.5 17.3 25.9
125 4.0 3.7 5.5





#89
Benzo(k)fluoranthene
Concen: 3.339 ng m
RT: 24.563 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG056685.D
Acq: 21 Feb 2023 15:27

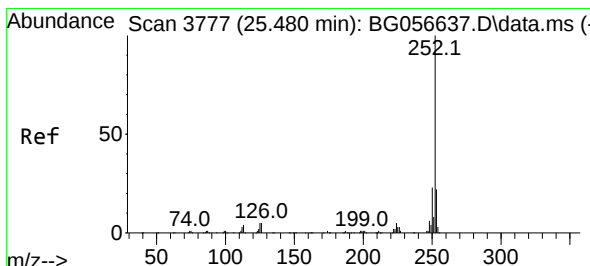
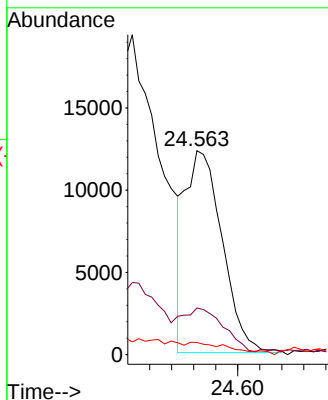
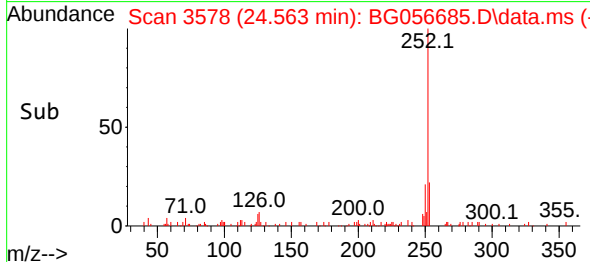
Instrument :
BNA_G
ClientSampleId :
SB-01-4.0-6.0DL



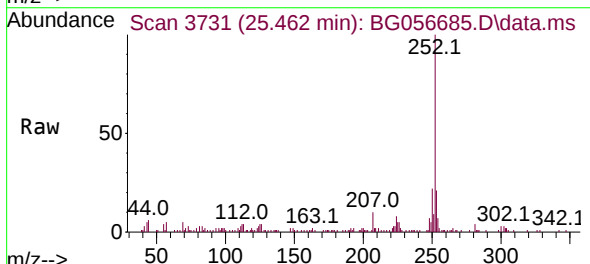
Tgt Ion:252 Resp: 28624
Ion Ratio Lower Upper
252 100
253 22.9 18.5 27.7
125 5.9 3.4 5.0

Manual Integrations
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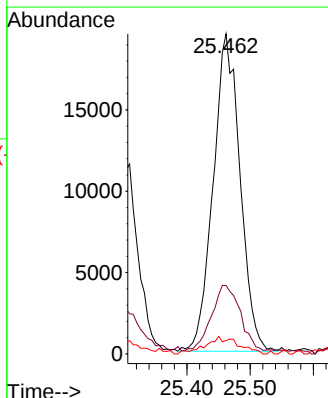
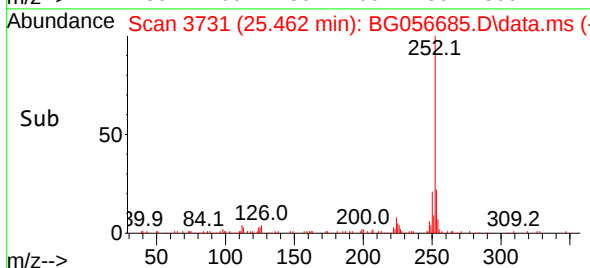
Reviewed By :Christian Giraldo 02/22/2023
Supervised By :Jagrut Upadhyay 02/22/2023

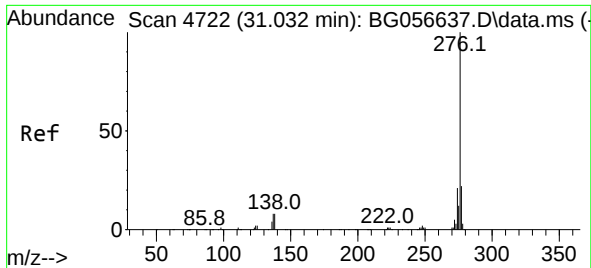


#90
Benzo(a)pyrene
Concen: 6.878 ng
RT: 25.462 min Scan# 3731
Delta R.T. -0.000 min
Lab File: BG056685.D
Acq: 21 Feb 2023 15:27



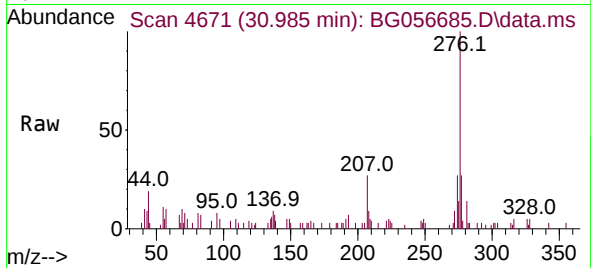
Tgt Ion:252 Resp: 57628
Ion Ratio Lower Upper
252 100
253 21.4 17.9 26.9
125 4.2 4.0 6.0





#92
 Benzo(g,h,i)perylene
 Concen: 4.626 ng m
 RT: 30.985 min Scan# 4671
 Delta R.T. -0.012 min
 Lab File: BG056685.D
 Acq: 21 Feb 2023 15:27

Instrument :
 BNA_G
 ClientSampleId :
 SB-01-4.0-6.0DL



Tgt Ion:276 Resp: 39118
 Ion Ratio Lower Upper
 276 100
 277 27.3 17.5 26.3
 138 6.8 6.4 9.6

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 02/22/2023
 Supervised By :Jagrut Upadhyay 02/22/2023

