

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022123\
 Data File : BG056690.D
 Acq On : 21 Feb 2023 18:55
 Operator : CG/JU
 Sample : 01606-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-210

Manual Integrations
 APPROVED

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

Quant Time: Feb 22 00:09:12 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 18:07:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.440	152	21930	20.000	ng	0.00
21) Naphthalene-d8	11.277	136	86956	20.000	ng	# 0.00
39) Acenaphthene-d10	15.044	164	57723	20.000	ng	0.00
64) Phenanthrene-d10	17.776	188	120020	20.000	ng	0.00
76) Chrysene-d12	22.100	240	101551	20.000	ng	0.00
86) Perylene-d12	25.655	264	93610	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.948	112	127155	94.341	ng	0.01
7) Phenol-d6	7.558	99	182185	91.507	ng	0.00
23) Nitrobenzene-d5	9.609	82	122994	72.421	ng	0.00
42) 2,4,6-Tribromophenol	16.518	330	75793	95.904	ng	0.00
45) 2-Fluorobiphenyl	13.669	172	274123	63.591	ng	0.00
79) Terphenyl-d14	20.343	244	354002	57.034	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.823	178	206074	31.559	ng	100
72) Anthracene	17.911	178	36538	5.469	ng	96
73) Carbazole	18.169	167	18675	3.242	ng	98
75) Fluoranthene	19.809	202	480788	55.803	ng	99
78) Pyrene	20.167	202	398564	51.968	ng	99
81) Benzo(a)anthracene	22.077	228	226168	29.948	ng	97
83) Chrysene	22.147	228	233854	33.124	ng	96
87) Indeno(1,2,3-cd)pyrene	29.750	276	96975	13.228	ng	# 73
88) Benzo(b)fluoranthene	24.521	252	312384	51.080	ng	97
89) Benzo(k)fluoranthene	24.585	252	118289m	19.669	ng	
90) Benzo(a)pyrene	25.490	252	180705	30.740	ng	99
91) Dibenzo(a,h)anthracene	29.809	278	23810	3.921	ng	# 90
92) Benzo(g,h,i)perylene	31.042	276	81041	13.659	ng	# 91

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

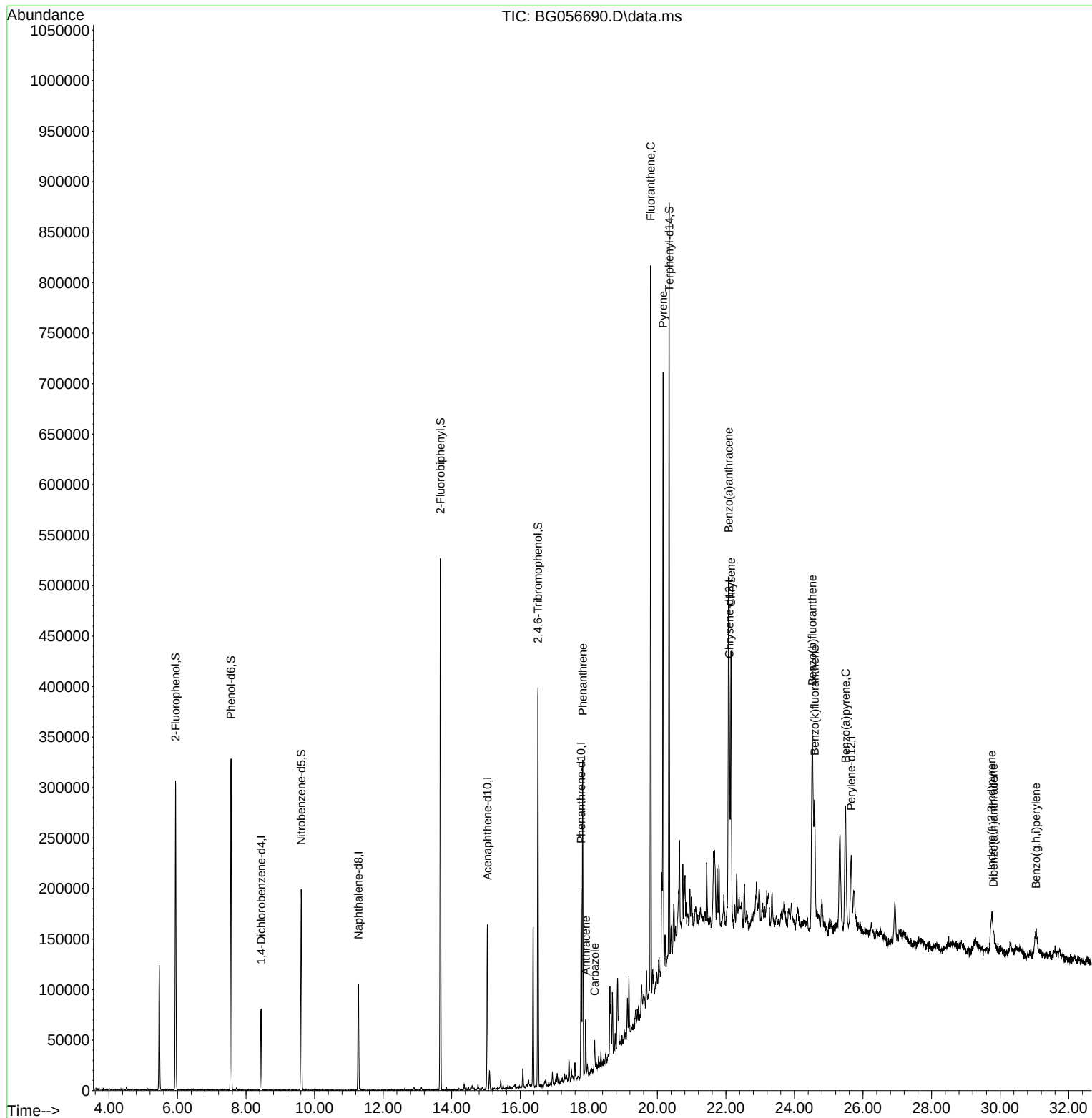
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022123\
Data File : BG056690.D
Acq On : 21 Feb 2023 18:55
Operator : CG/JU
Sample : 01606-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

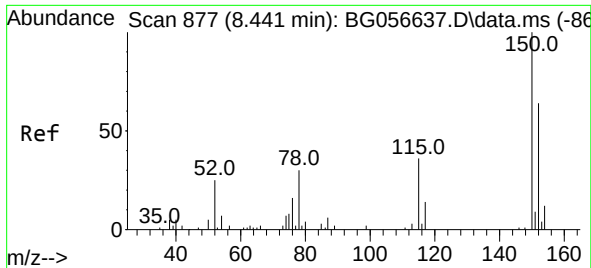
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VNJ-210

Quant Time: Feb 22 00:09:12 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
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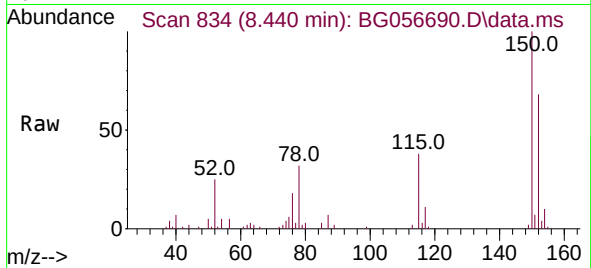
Reviewed By : Christian Giraldo 02/22/2023
Supervised By : Jagrut Upadhyay 02/22/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.440 min Scan# 84
Delta R.T. -0.001 min
Lab File: BG056690.D
Acq: 21 Feb 2023 18:55

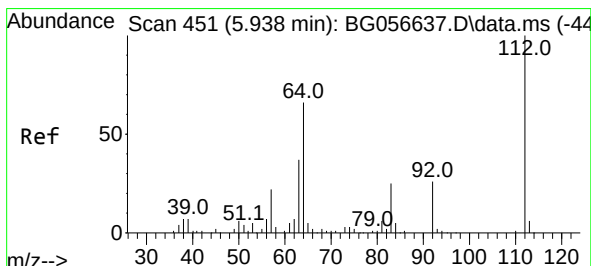
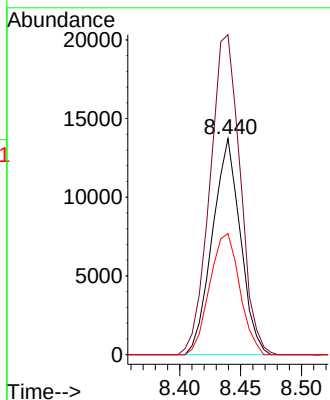
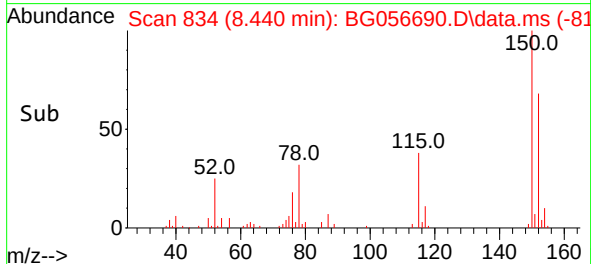
Instrument :
BNA_G
ClientSampleId :
VNJ-210



Tgt Ion:152 Resp: 21930
Ion Ratio Lower Upper
152 100
150 148.1 124.8 187.2
115 56.0 44.7 67.1

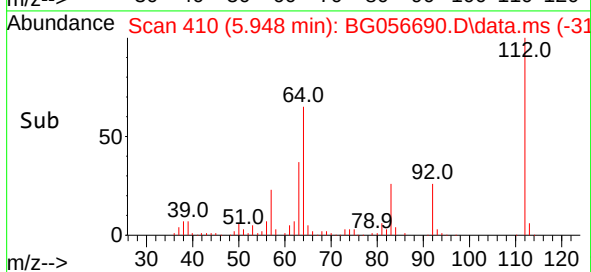
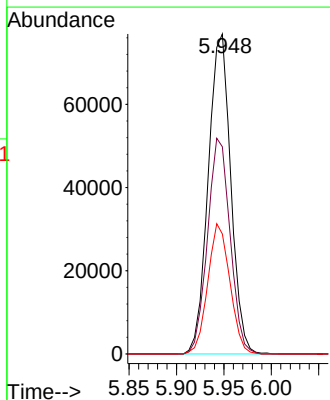
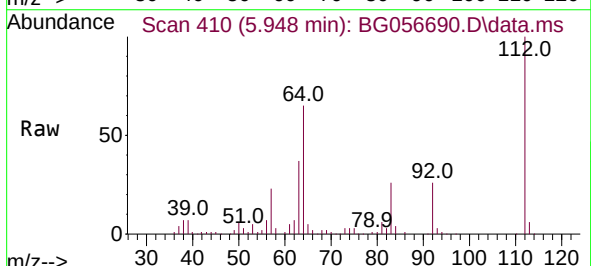
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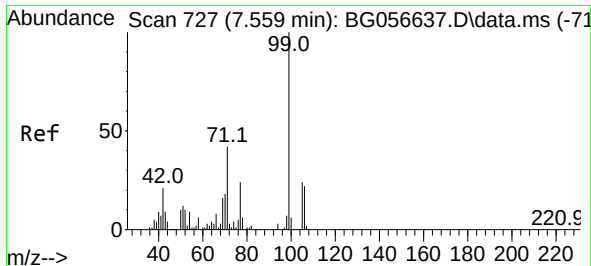
Reviewed By :Christian Giraldo 02/22/2023
Supervised By :Jagrut Upadhyay 02/22/2023



#5
2-Fluorophenol
Concen: 94.341 ng
RT: 5.948 min Scan# 410
Delta R.T. 0.011 min
Lab File: BG056690.D
Acq: 21 Feb 2023 18:55

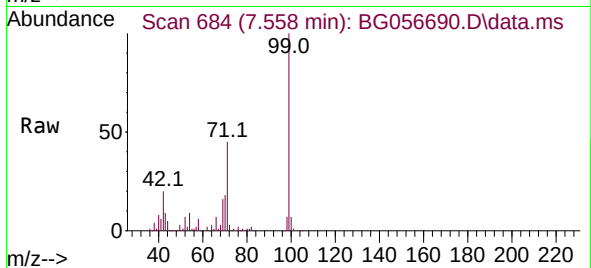
Tgt Ion:112 Resp: 127155
Ion Ratio Lower Upper
112 100
64 64.8 52.6 78.8
63 37.5 29.8 44.6





#7
Phenol-d6
Concen: 91.507 ng
RT: 7.558 min Scan# 681
Delta R.T. -0.001 min
Lab File: BG056690.D
Acq: 21 Feb 2023 18:55

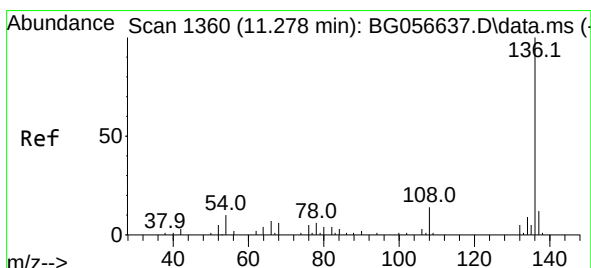
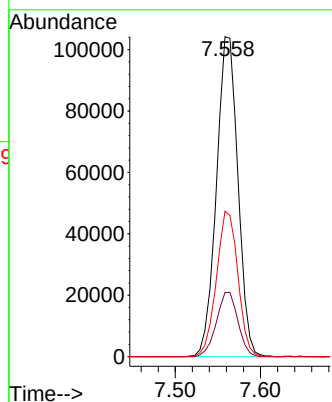
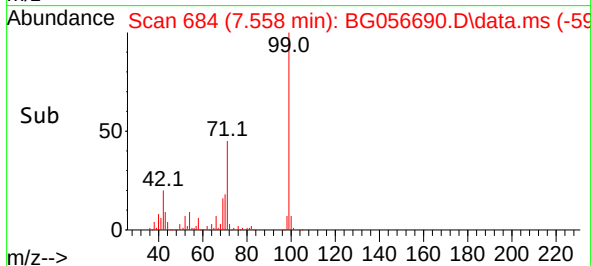
Instrument :
BNA_G
ClientSampleId :
VNJ-210



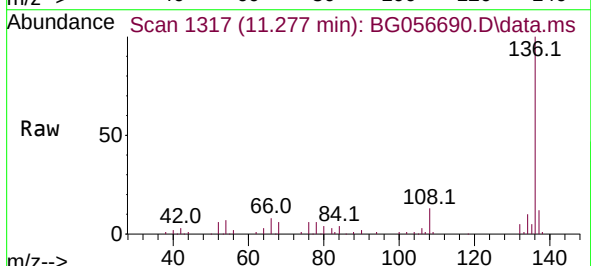
Tgt Ion: 99 Resp: 182185
Ion Ratio Lower Upper
99 100
42 20.0 16.8 25.2
71 45.4 33.9 50.9

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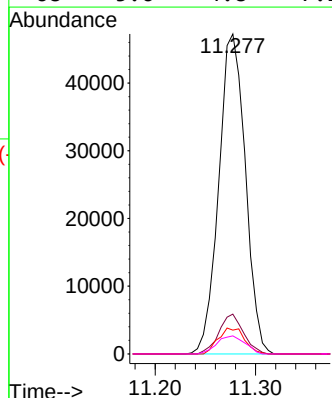
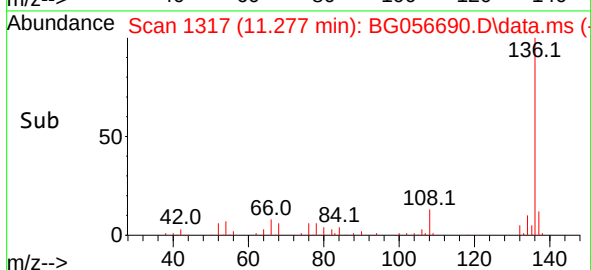
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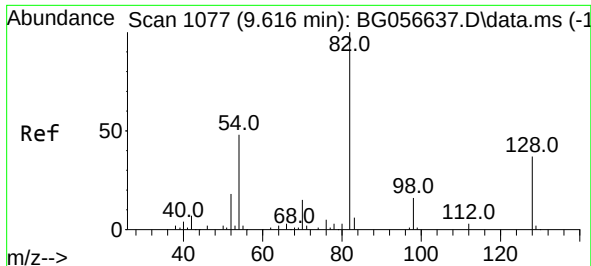


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.277 min Scan# 1317
Delta R.T. -0.001 min
Lab File: BG056690.D
Acq: 21 Feb 2023 18:55



Tgt Ion:136 Resp: 86956
Ion Ratio Lower Upper
136 100
137 12.4 9.7 14.5
54 7.4 7.7 11.5#
68 5.6 4.8 7.2





#23

Nitrobenzene-d5

Concen: 72.421 ng

RT: 9.609 min Scan# 1077

Delta R.T. -0.007 min

Lab File: BG056690.D

Acq: 21 Feb 2023 18:55

Instrument :

BNA_G

ClientSampleId :

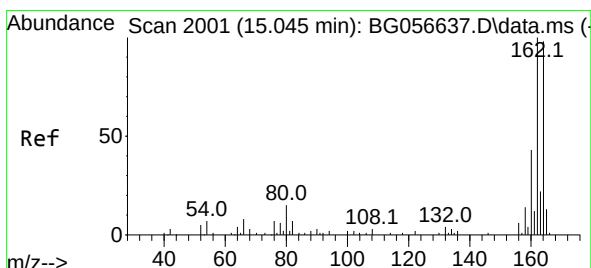
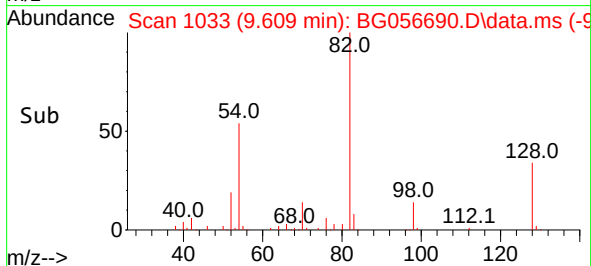
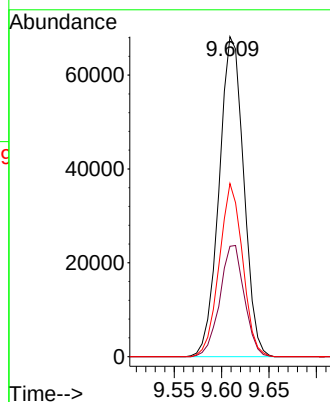
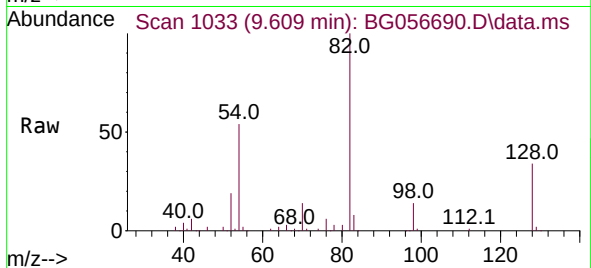
VNJ-210

Tgt Ion: 82 Resp: 122994
 Ion Ratio Lower Upper
 82 100
 128 34.5 29.4 44.2
 54 54.1 37.8 56.6

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 Supervised By :Jagrut Upadhyay 02/22/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

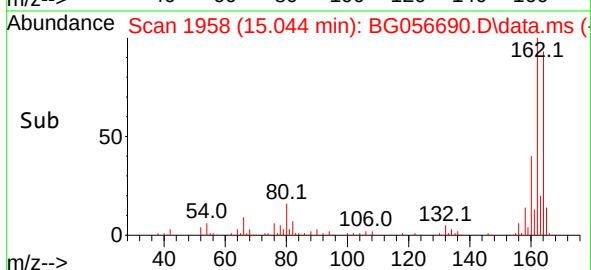
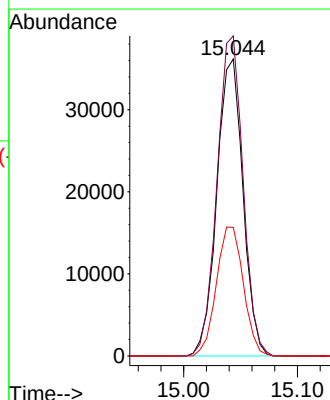
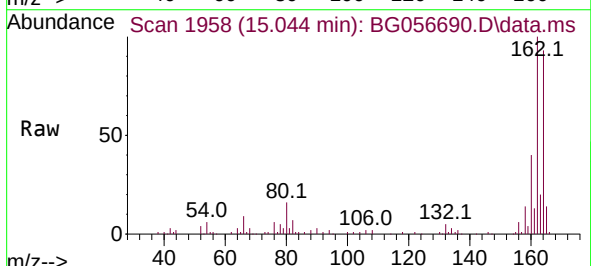
RT: 15.044 min Scan# 1958

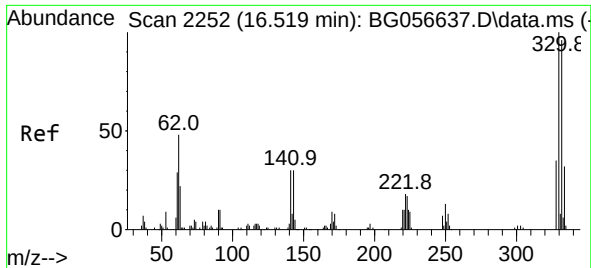
Delta R.T. -0.001 min

Lab File: BG056690.D

Acq: 21 Feb 2023 18:55

Tgt Ion:164 Resp: 57723
 Ion Ratio Lower Upper
 164 100
 162 107.8 81.3 121.9
 160 43.3 35.2 52.8





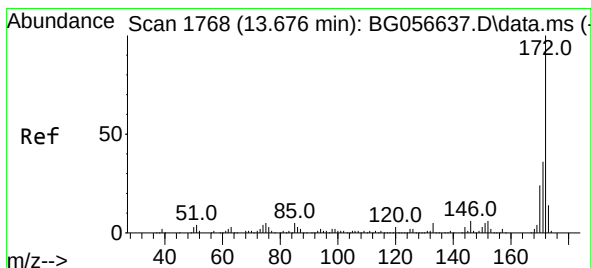
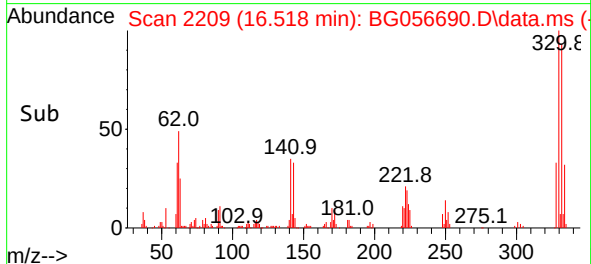
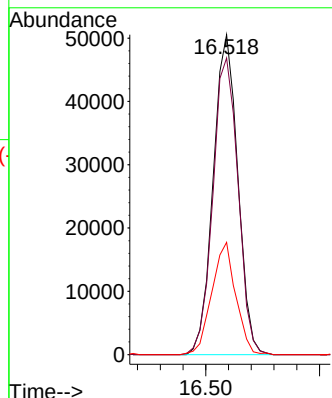
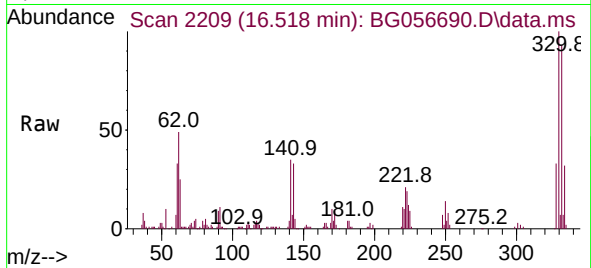
#42
2,4,6-Tribromophenol
Concen: 95.904 ng
RT: 16.518 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG056690.D
Acq: 21 Feb 2023 18:55

Instrument :
BNA_G
ClientSampleId :
VNJ-210

Tgt Ion:330 Resp: 75793
Ion Ratio Lower Upper
330 100
332 95.0 75.7 113.5
141 34.4 24.6 37.0

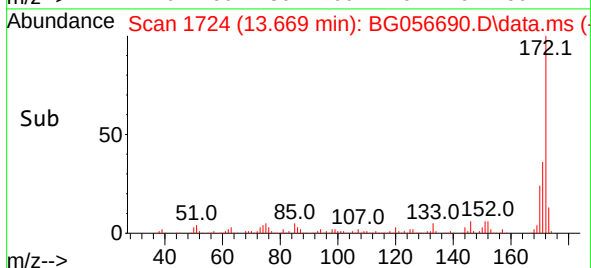
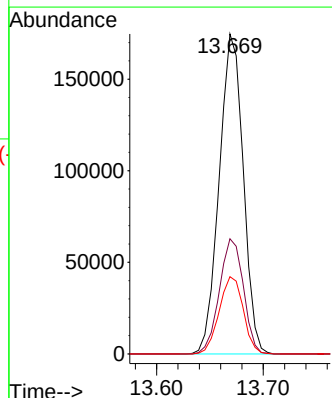
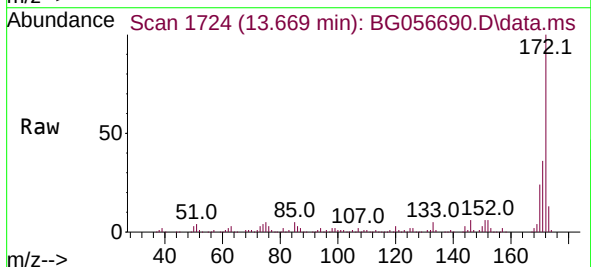
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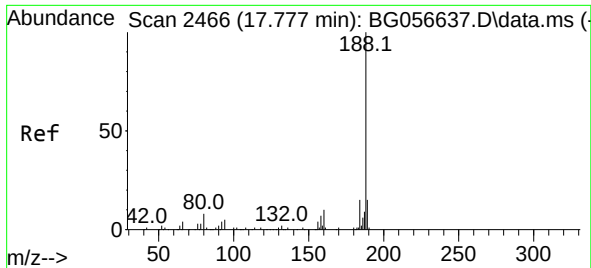
Reviewed By :Christian Giraldo 02/22/2023
Supervised By :Jagrut Upadhyay 02/22/2023



#45
2-Fluorobiphenyl
Concen: 63.591 ng
RT: 13.669 min Scan# 1724
Delta R.T. -0.007 min
Lab File: BG056690.D
Acq: 21 Feb 2023 18:55

Tgt Ion:172 Resp: 274123
Ion Ratio Lower Upper
172 100
171 36.0 28.6 43.0
170 24.1 19.4 29.0





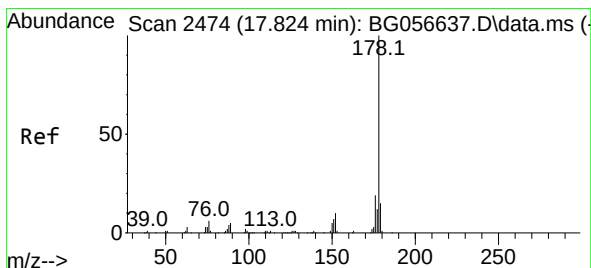
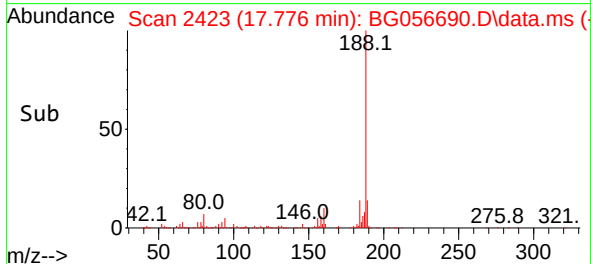
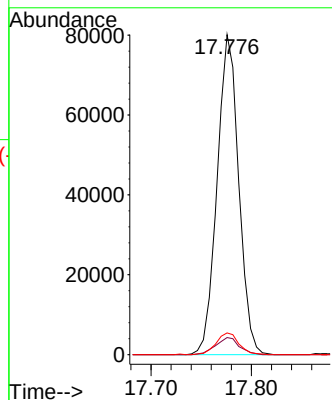
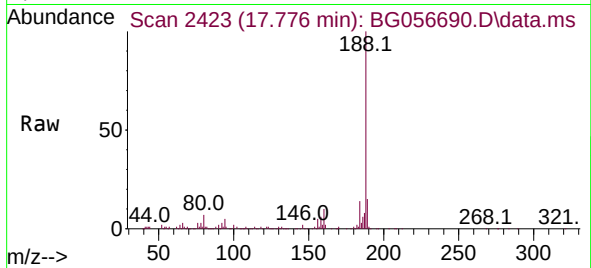
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.776 min Scan# 2466
Delta R.T. -0.001 min
Lab File: BG056690.D
Acq: 21 Feb 2023 18:55

Instrument :
BNA_G
ClientSampleId :
VNJ-210

Tgt Ion:188 Resp: 120020
Ion Ratio Lower Upper
188 100
94 5.4 4.0 6.0
80 6.8 6.3 9.5

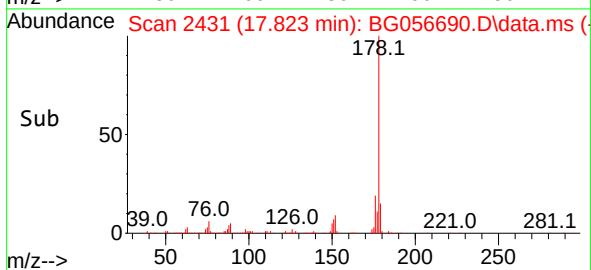
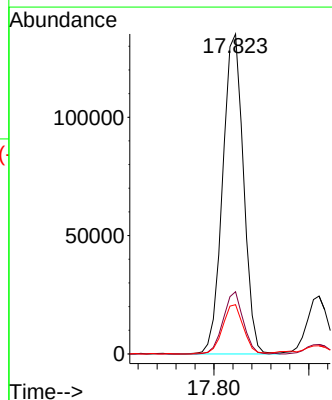
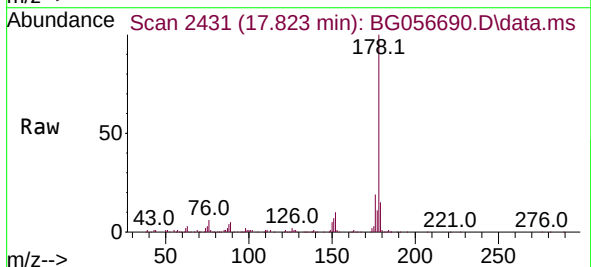
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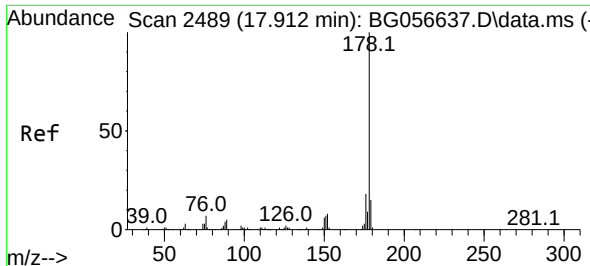
Reviewed By :Christian Giraldo 02/22/2023
Supervised By :Jagrut Upadhyay 02/22/2023



#71
Phenanthrene
Concen: 31.559 ng
RT: 17.823 min Scan# 2431
Delta R.T. -0.001 min
Lab File: BG056690.D
Acq: 21 Feb 2023 18:55

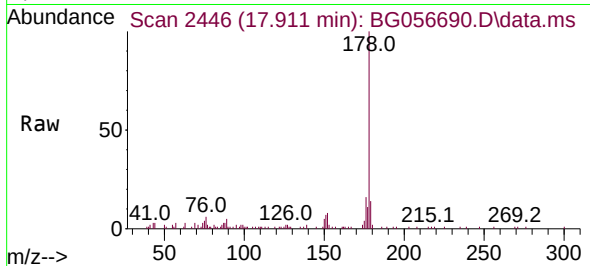
Tgt Ion:178 Resp: 206074
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.4 12.2 18.4





#72
 Anthracene
 Concen: 5.469 ng
 RT: 17.911 min Scan# 2489
 Delta R.T. -0.001 min
 Lab File: BG056690.D
 Acq: 21 Feb 2023 18:55

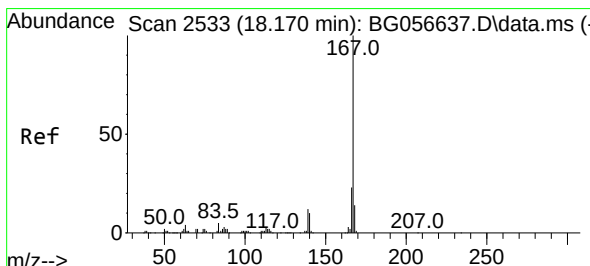
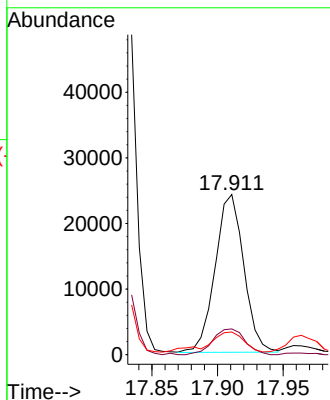
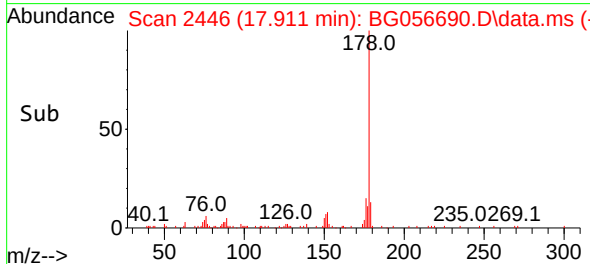
Instrument :
 BNA_G
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 VNJ-210



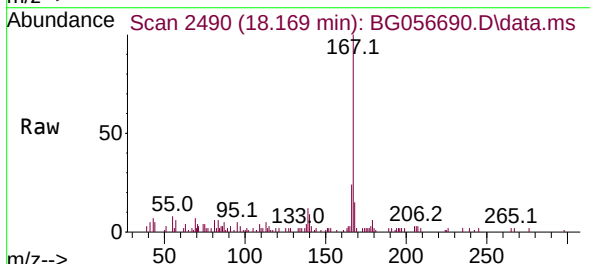
Tgt Ion:178 Resp: 36538
 Ion Ratio Lower Upper
 178 100
 176 16.1 14.3 21.5
 179 14.1 12.2 18.4

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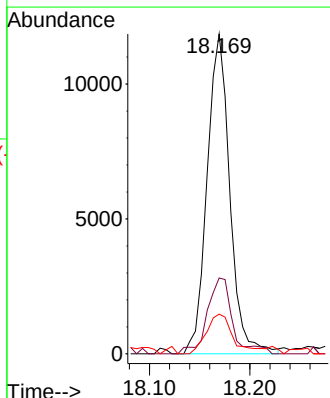
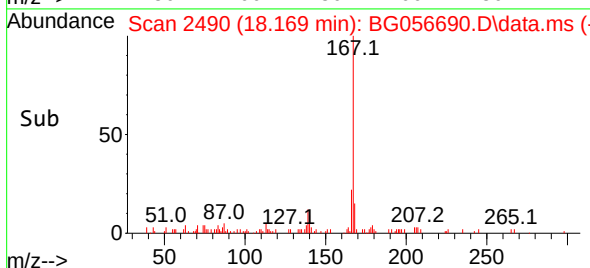
Reviewed By :Christian Giraldo 02/22/2023
 Supervised By :Jagrut Upadhyay 02/22/2023

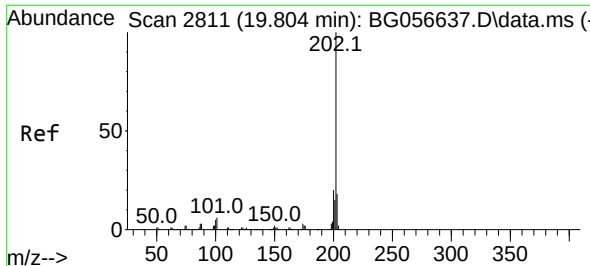


#73
 Carbazole
 Concen: 3.242 ng
 RT: 18.169 min Scan# 2490
 Delta R.T. -0.001 min
 Lab File: BG056690.D
 Acq: 21 Feb 2023 18:55



Tgt Ion:167 Resp: 18675
 Ion Ratio Lower Upper
 167 100
 166 23.7 18.1 27.1
 139 12.4 9.4 14.0





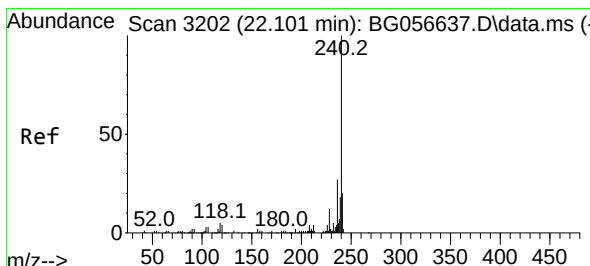
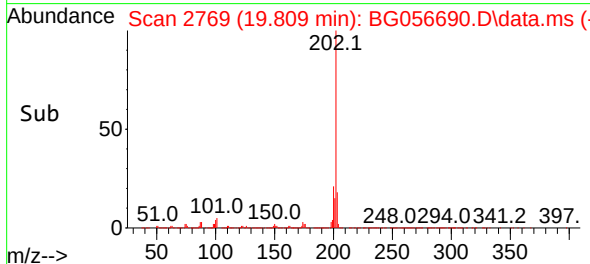
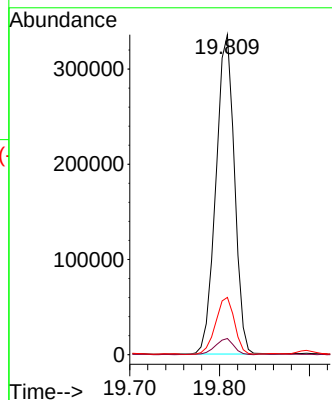
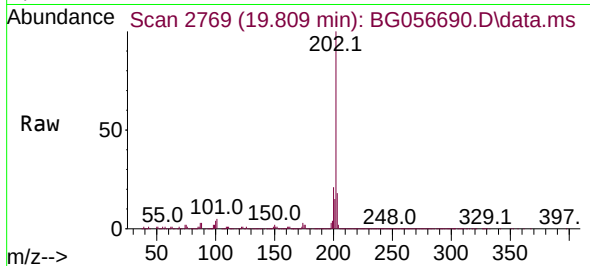
#75
Fluoranthene
Concen: 55.803 ng
RT: 19.809 min Scan# 21
Delta R.T. 0.005 min
Lab File: BG056690.D
Acq: 21 Feb 2023 18:55

Instrument :
BNA_G
ClientSampleId :
VNJ-210

Tgt Ion:202 Resp: 480788
Ion Ratio Lower Upper
202 100
101 5.0 0.0 25.8
203 17.9 0.0 37.6

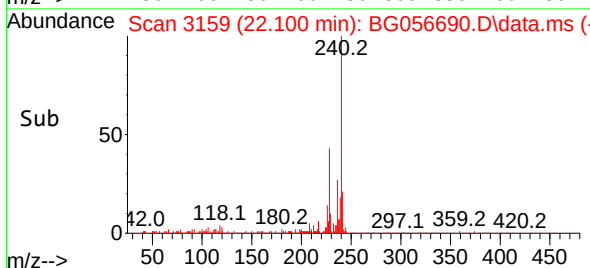
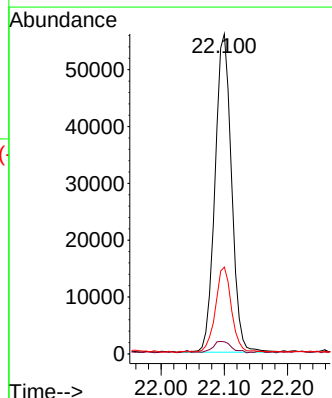
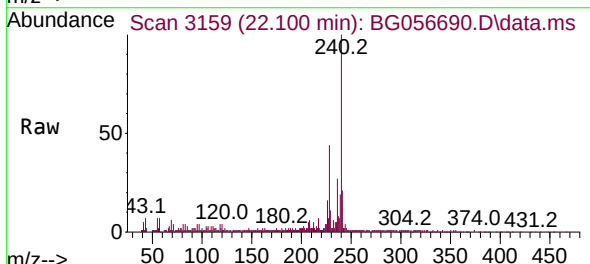
Manual Integrations
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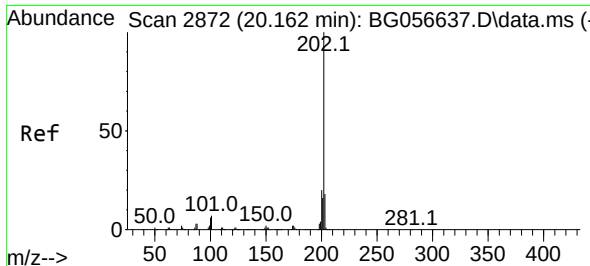
Reviewed By :Christian Giraldo 02/22/2023
Supervised By :Jagrut Upadhyay 02/22/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.100 min Scan# 3159
Delta R.T. -0.001 min
Lab File: BG056690.D
Acq: 21 Feb 2023 18:55

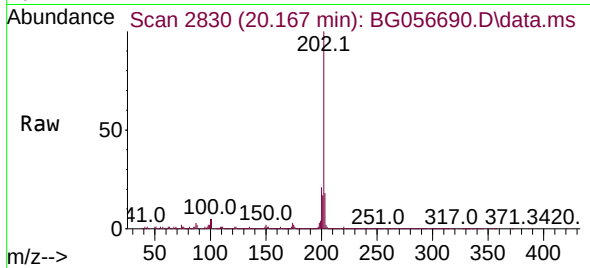
Tgt Ion:240 Resp: 101551
Ion Ratio Lower Upper
240 100
120 5.0 3.5 5.3
236 27.2 21.5 32.3





#78
Pyrene
Concen: 51.968 ng
RT: 20.167 min Scan# 2872
Delta R.T. 0.005 min
Lab File: BG056690.D
Acq: 21 Feb 2023 18:55

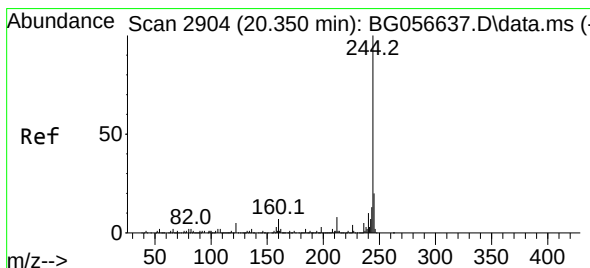
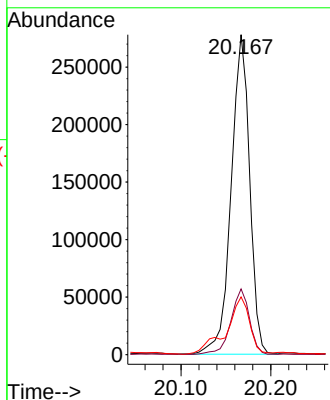
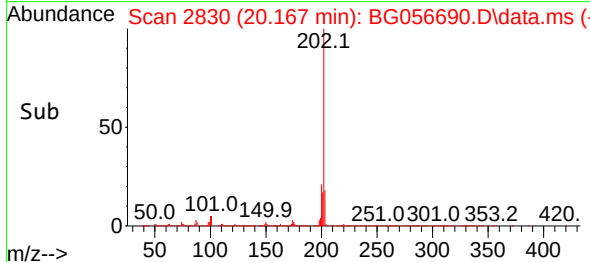
Instrument :
BNA_G
ClientSampleId :
VNJ-210



Tgt Ion:202 Resp: 398564
Ion Ratio Lower Upper
202 100
200 20.5 15.8 23.8
203 18.0 14.2 21.4

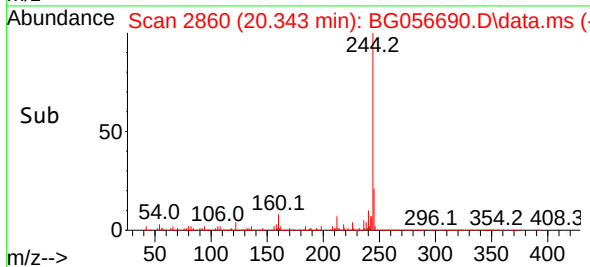
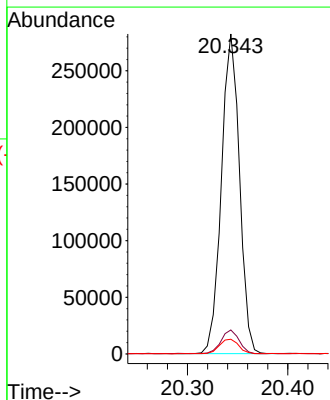
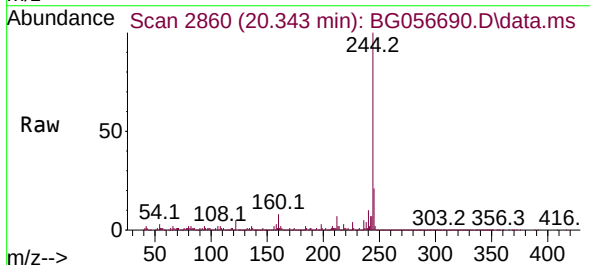
Manual Integrations
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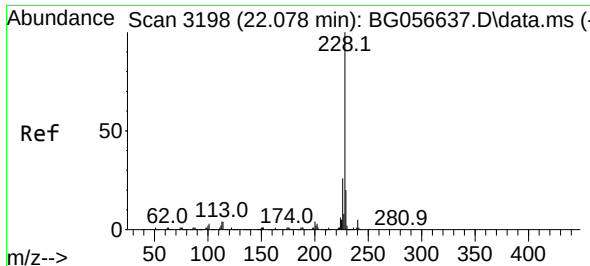
Reviewed By :Christian Giraldo 02/22/2023
Supervised By :Jagrut Upadhyay 02/22/2023



#79
Terphenyl-d14
Concen: 57.034 ng
RT: 20.343 min Scan# 2860
Delta R.T. -0.007 min
Lab File: BG056690.D
Acq: 21 Feb 2023 18:55

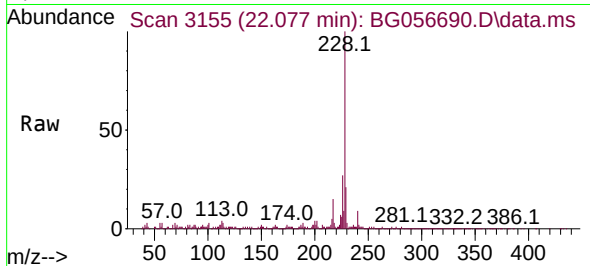
Tgt Ion:244 Resp: 354002
Ion Ratio Lower Upper
244 100
212 7.5 6.0 9.0
122 4.6 3.8 5.8





#81
Benzo(a)anthracene
Concen: 29.948 ng
RT: 22.077 min Scan# 3198
Delta R.T. -0.001 min
Lab File: BG056690.D
Acq: 21 Feb 2023 18:55

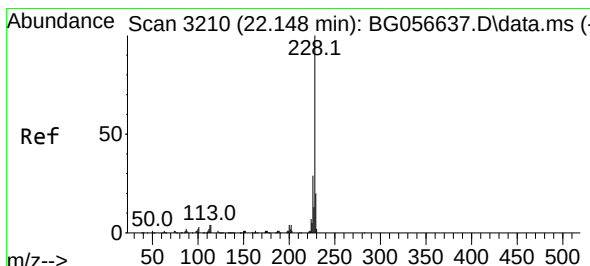
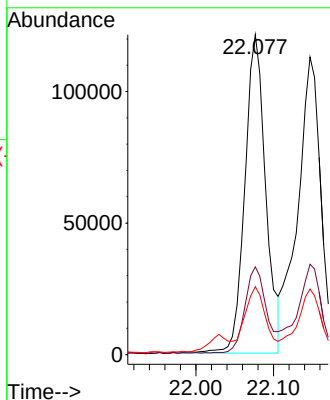
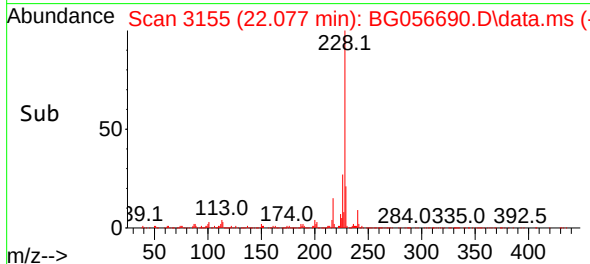
Instrument :
BNA_G
ClientSampleId :
VNJ-210



Tgt Ion:228 Resp: 226168
Ion Ratio Lower Upper
228 100
226 27.4 20.4 30.6
229 21.2 16.0 24.0

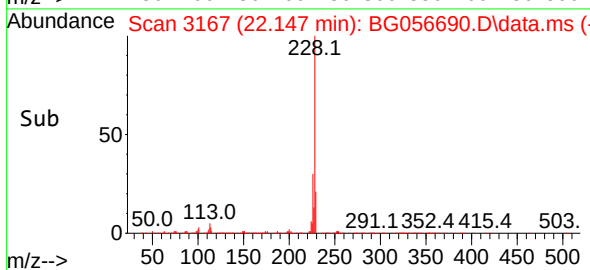
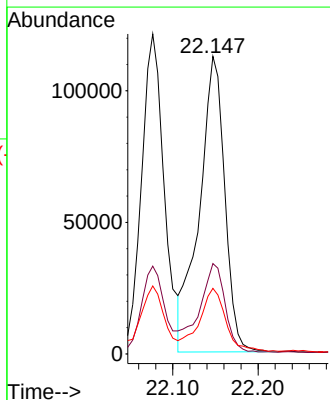
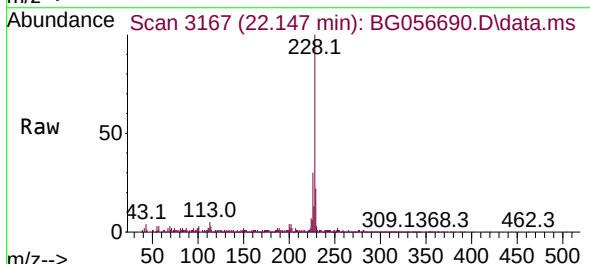
Manual Integrations
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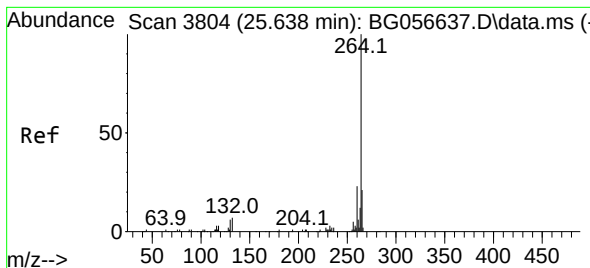
Reviewed By :Christian Giraldo 02/22/2023
Supervised By :Jagrut Upadhyay 02/22/2023



#83
Chrysene
Concen: 33.124 ng
RT: 22.147 min Scan# 3167
Delta R.T. -0.001 min
Lab File: BG056690.D
Acq: 21 Feb 2023 18:55

Tgt Ion:228 Resp: 233854
Ion Ratio Lower Upper
228 100
226 30.4 23.0 34.6
229 22.0 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.655 min Scan# 31

Delta R.T. 0.017 min

Lab File: BG056690.D

Acq: 21 Feb 2023 18:55

Instrument :

BNA_G

ClientSampleId :

VNJ-210

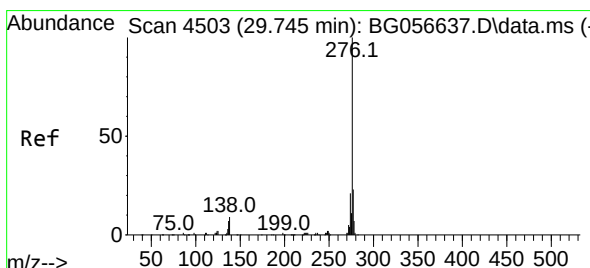
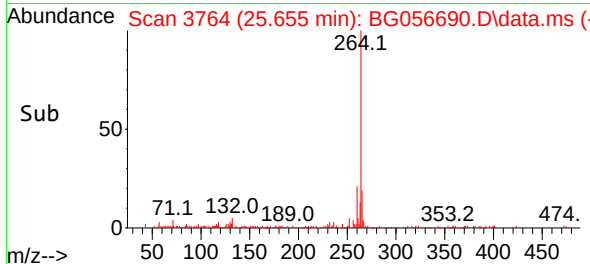
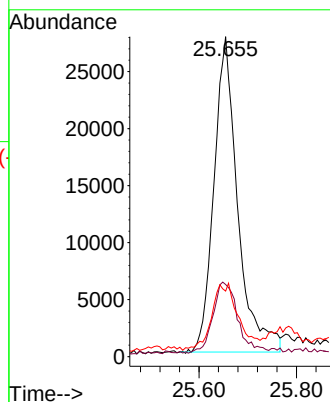
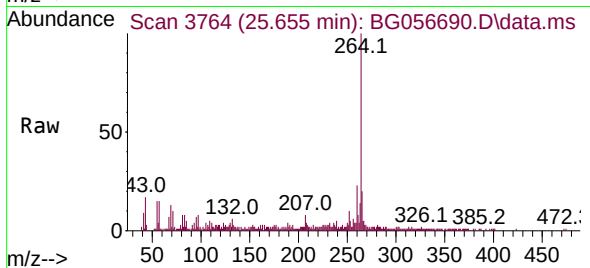
Tgt Ion:	264	Resp:	93610
Ion Ratio	Lower	Upper	
264	100		
260	22.5	18.6	27.8
265	20.5	17.0	25.4

Manual Integrations

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Reviewed By :Christian Giraldo 02/22/2023

Supervised By :Jagrut Upadhyay 02/22/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 13.228 ng

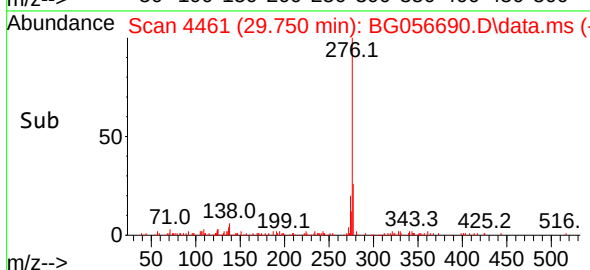
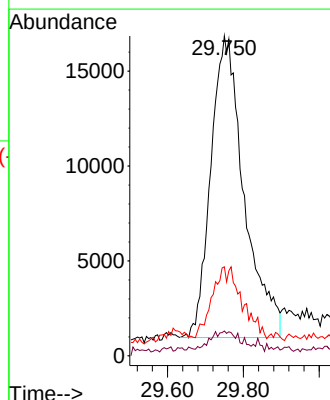
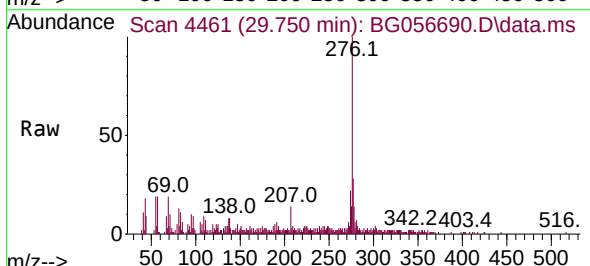
RT: 29.750 min Scan# 4461

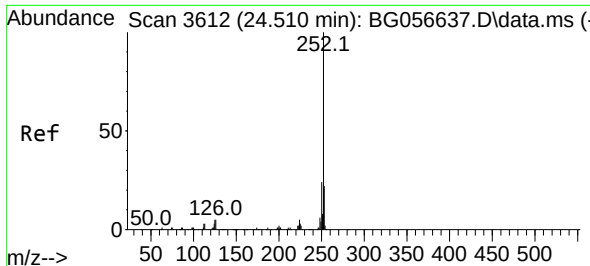
Delta R.T. 0.005 min

Lab File: BG056690.D

Acq: 21 Feb 2023 18:55

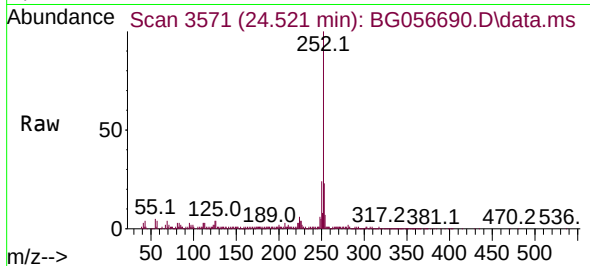
Tgt Ion:	276	Resp:	96975
Ion Ratio	Lower	Upper	
276	100		
138	0.0	3.8	5.8#
277	10.4	20.3	30.5#





#88
Benzo(b)fluoranthene
Concen: 51.080 ng
RT: 24.521 min Scan# 31
Delta R.T. 0.011 min
Lab File: BG056690.D
Acq: 21 Feb 2023 18:55

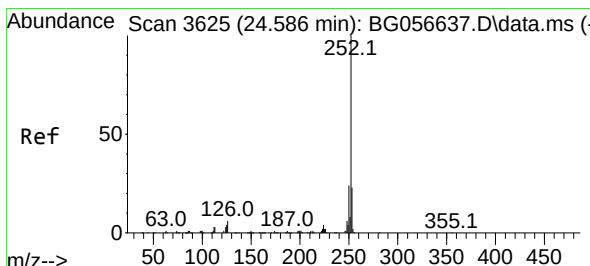
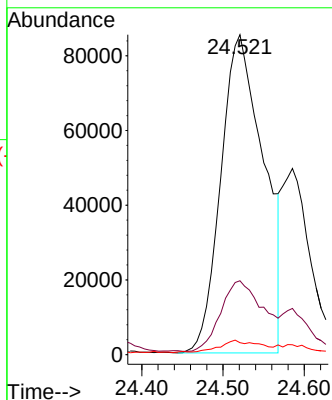
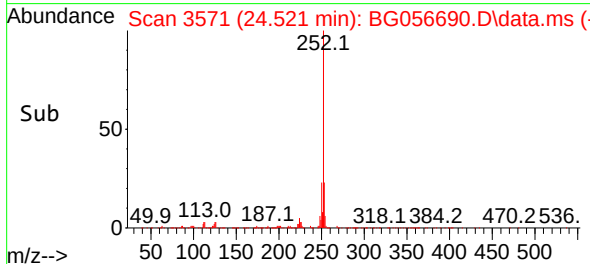
Instrument :
BNA_G
ClientSampleId :
VNJ-210



Tgt Ion:252 Resp: 312384
Ion Ratio Lower Upper
252 100
253 23.1 17.3 25.9
125 3.8 3.7 5.5

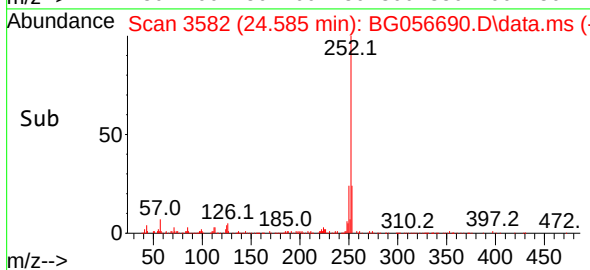
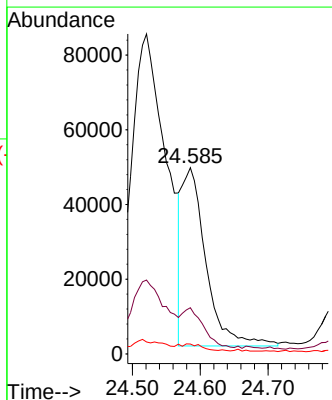
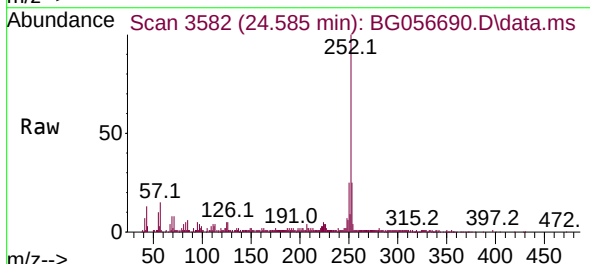
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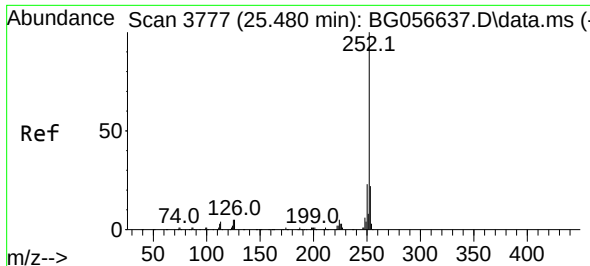
Reviewed By :Christian Giraldo 02/22/2023
Supervised By :Jagrut Upadhyay 02/22/2023



#89
Benzo(k)fluoranthene
Concen: 19.669 ng m
RT: 24.585 min Scan# 3582
Delta R.T. -0.001 min
Lab File: BG056690.D
Acq: 21 Feb 2023 18:55

Tgt Ion:252 Resp: 118289
Ion Ratio Lower Upper
252 100
253 24.8 18.5 27.7
125 5.3 3.4 5.0#





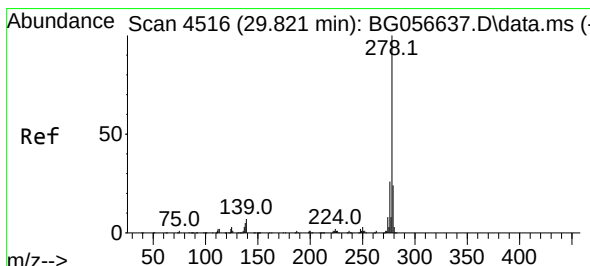
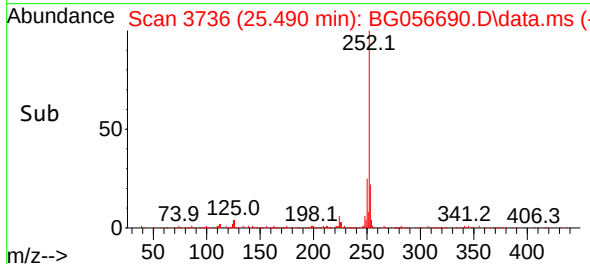
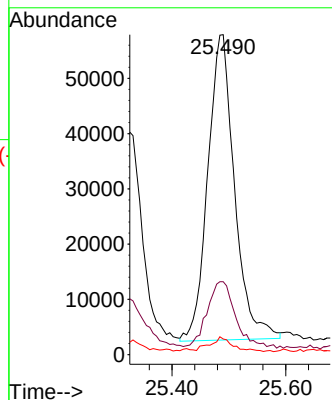
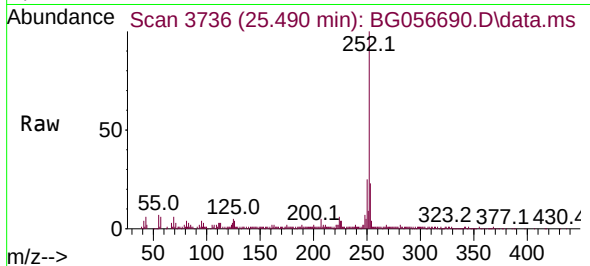
#90
Benzo(a)pyrene
Concen: 30.740 ng
RT: 25.490 min Scan# 31
Delta R.T. 0.011 min
Lab File: BG056690.D
Acq: 21 Feb 2023 18:55

Instrument :
BNA_G
ClientSampleId :
VNJ-210

Tgt Ion:252 Resp: 180705
Ion Ratio Lower Upper
252 100
253 22.8 17.9 26.9
125 4.9 4.0 6.0

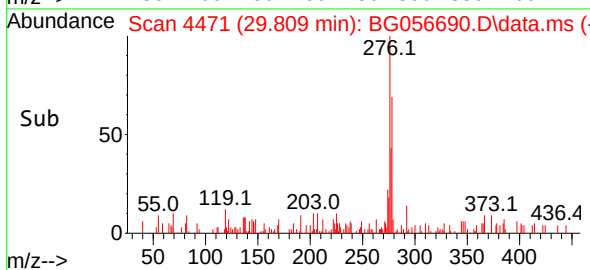
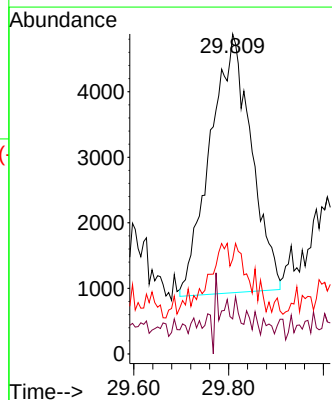
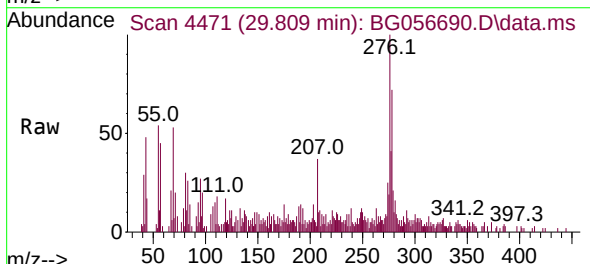
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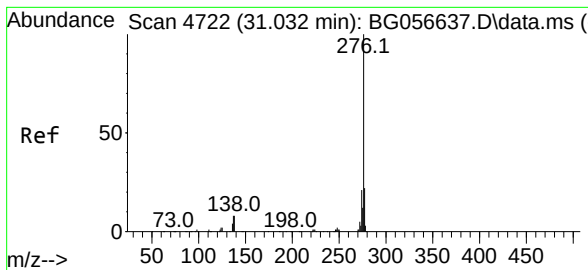
Reviewed By :Christian Giraldo 02/22/2023
Supervised By :Jagrut Upadhyay 02/22/2023



#91
Dibenzo(a,h)anthracene
Concen: 3.921 ng
RT: 29.809 min Scan# 4471
Delta R.T. -0.013 min
Lab File: BG056690.D
Acq: 21 Feb 2023 18:55

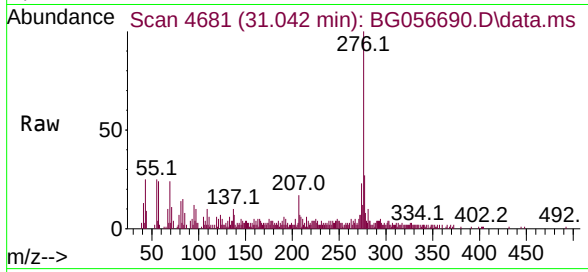
Tgt Ion:278 Resp: 23810
Ion Ratio Lower Upper
278 100
139 10.9 5.8 8.8#
279 29.6 19.6 29.4#





#92
 Benzo(g,h,i)perylene
 Concen: 13.659 ng
 RT: 31.042 min Scan# 4681
 Delta R.T. 0.011 min
 Lab File: BG056690.D
 Acq: 21 Feb 2023 18:55

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-210



Tgt Ion: 276 Resp: 8104

Ion	Ratio	Lower	Upper
276	100		
277	27.3	17.5	26.3
138	7.2	6.4	9.6

Manual Integrations
 APPROVED

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

