

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020323\
 Data File : BG056543.D
 Acq On : 3 Feb 2023 17:52
 Operator : CG/JU
 Sample : 01418-03 10X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JPP-16-020223

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/06/2023
 Supervised By : Jagrut Upadhyay 02/06/2023

Quant Time: Feb 04 05:13:20 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	8.272	152	51442	20.000	ng	0.00
21) Naphthalene-d8	11.104	136	184227	20.000	ng	0.00
39) Acenaphthene-d10	14.894	164	129063	20.000	ng	0.00
64) Phenanthrene-d10	17.637	188	285573	20.000	ng	0.00
76) Chrysene-d12	21.927	240	269491	20.000	ng	0.00
86) Perylene-d12	25.358	264	294436	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.798	112	29726	10.630	ng	0.00
7) Phenol-d6	7.426	99	40889	9.869	ng	0.00
23) Nitrobenzene-d5	9.447	82	22941	7.071	ng	0.00
42) 2,4,6-Tribromophenol	16.380	330	15795	9.206	ng	0.00
45) 2-Fluorobiphenyl	13.519	172	64297	6.907	ng	0.00
79) Terphenyl-d14	20.211	244	93890	6.119	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.958	154	27599	3.909	ng	96
58) Fluorene	15.934	166	26442	2.625	ng	91
71) Phenanthrene	17.679	178	560296	37.487	ng	98
72) Anthracene	17.767	178	132402	8.630	ng	98
75) Fluoranthene	19.676	202	1058363	56.105	ng	100
78) Pyrene	20.035	202	1100993	57.443	ng	98
81) Benzo(a)anthracene	21.909	228	533907	28.338	ng	99
83) Chrysene	21.974	228	465675	26.309	ng	98
87) Indeno(1,2,3-cd)pyrene	29.294	276	270927	12.570	ng	# 95
88) Benzo(b)fluoranthene	24.265	252	645915	35.343	ng	99
89) Benzo(k)fluoranthene	24.330	252	198777m	10.773	ng	
90) Benzo(a)pyrene	25.193	252	525435	29.187	ng	99
91) Dibenzo(a,h)anthracene	29.336	278	62774	3.470	ng	# 91
92) Benzo(g,h,i)perylene	30.528	276	283641	16.248	ng	97

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

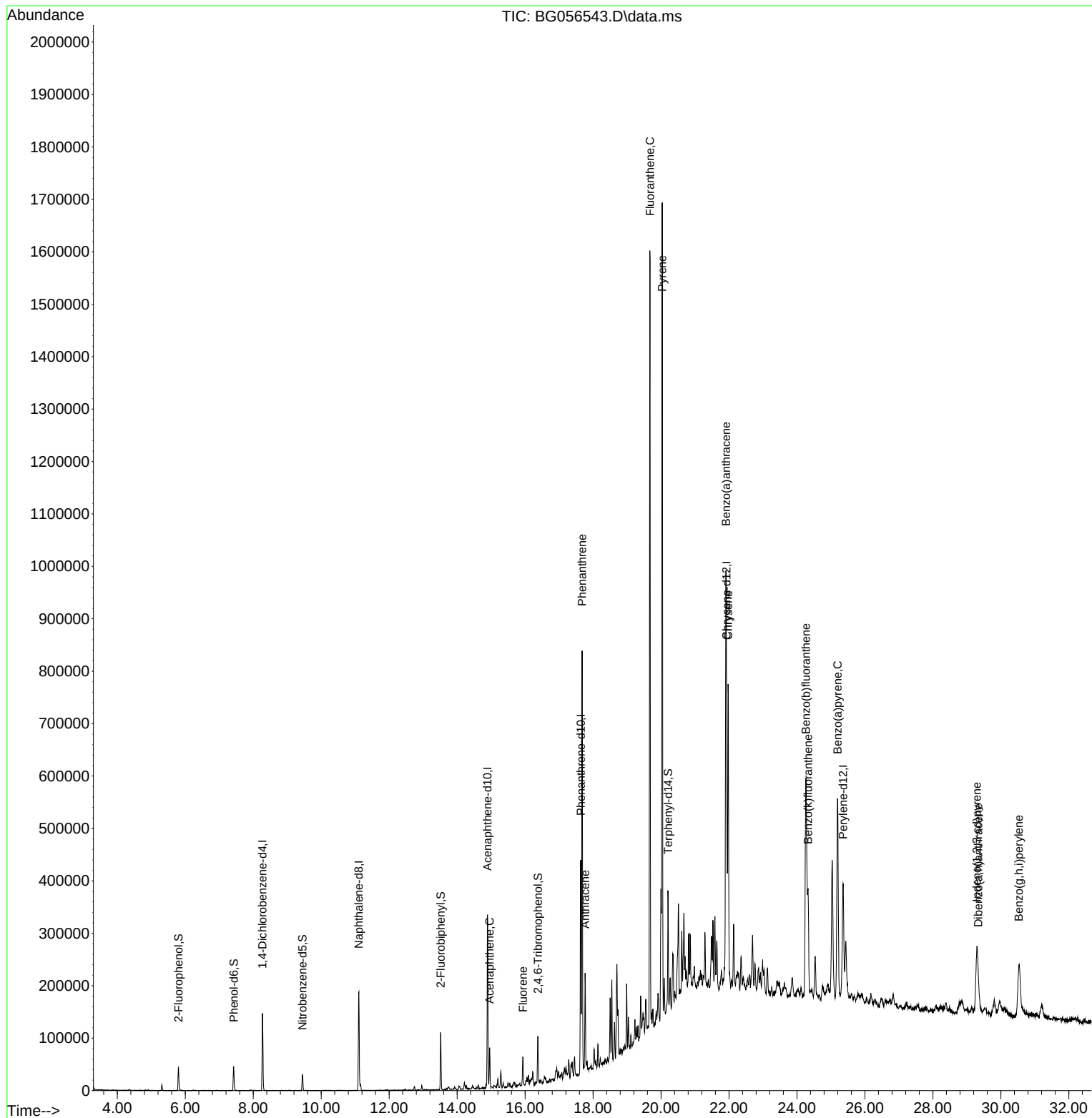
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020323\
Data File : BG056543.D
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ALS Vial : 11 Sample Multiplier: 1

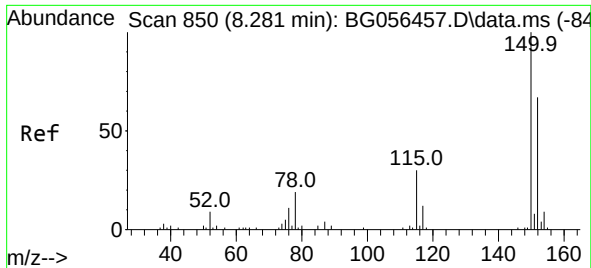
Instrument :
BNA_G
ClientSampleId :
JPP-16-020223

Quant Time: Feb 04 05:13:20 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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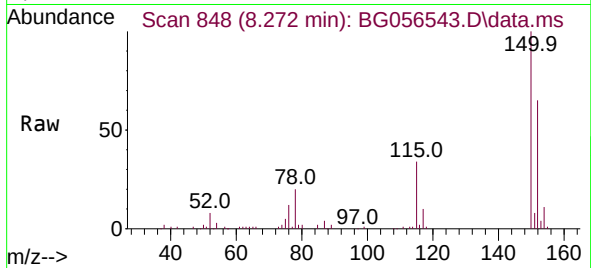
Reviewed By : Christian Giraldo 02/06/2023
Supervised By : Jagrut Upadhyay 02/06/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.272 min Scan# 84
Delta R.T. -0.003 min
Lab File: BG056543.D
Acq: 3 Feb 2023 17:52

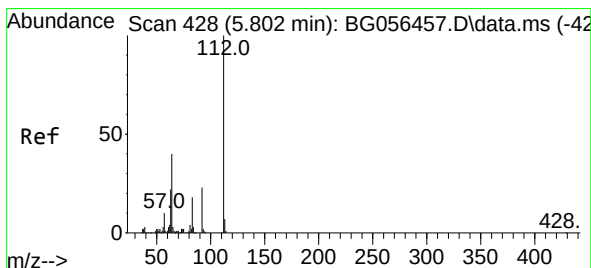
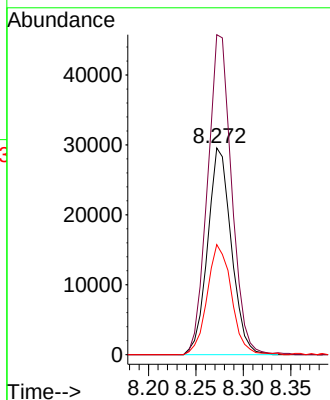
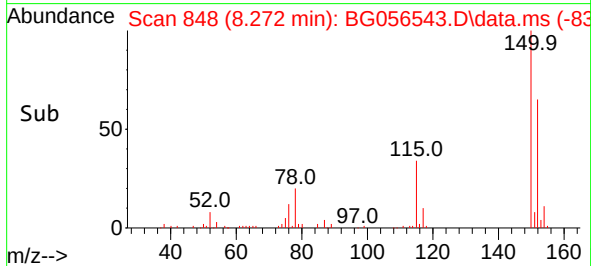
Instrument :
BNA_G
ClientSampleId :
JPP-16-020223



Tgt Ion:152 Resp: 51442
Ion Ratio Lower Upper
152 100
150 154.8 120.2 180.4
115 53.2 36.3 54.5

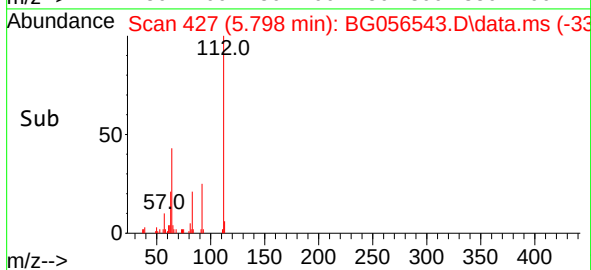
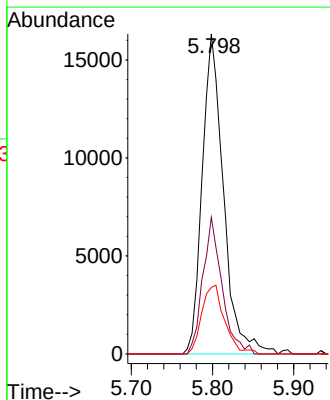
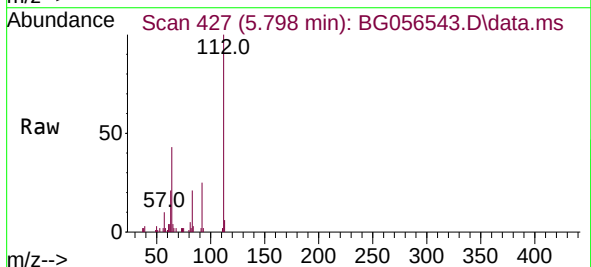
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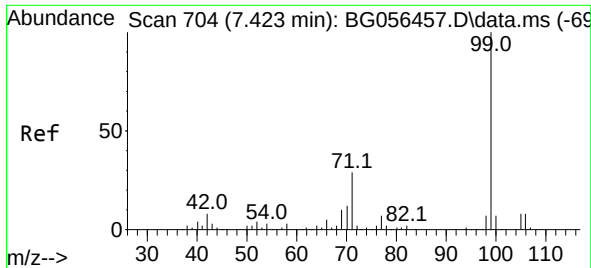
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023



#5
2-Fluorophenol
Concen: 10.630 ng
RT: 5.798 min Scan# 427
Delta R.T. 0.002 min
Lab File: BG056543.D
Acq: 3 Feb 2023 17:52

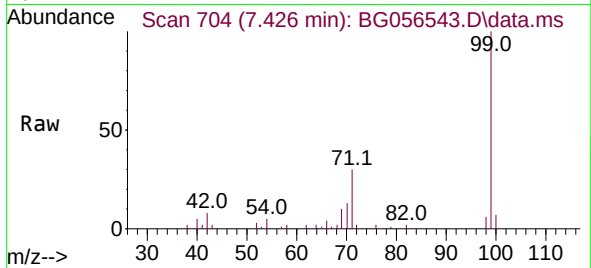
Tgt Ion:112 Resp: 29726
Ion Ratio Lower Upper
112 100
64 42.7 31.9 47.9
63 20.7 17.4 26.0





#7
Phenol-d6
Concen: 9.869 ng
RT: 7.426 min Scan# 704
Delta R.T. 0.008 min
Lab File: BG056543.D
Acq: 3 Feb 2023 17:52

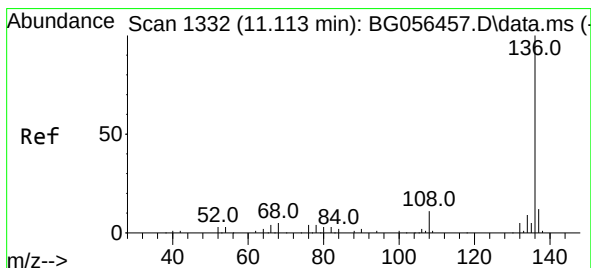
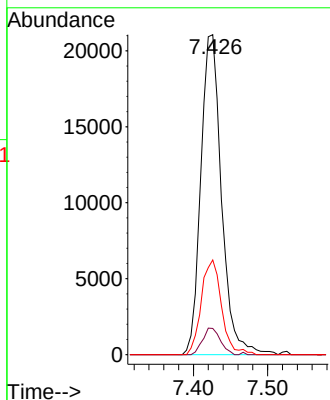
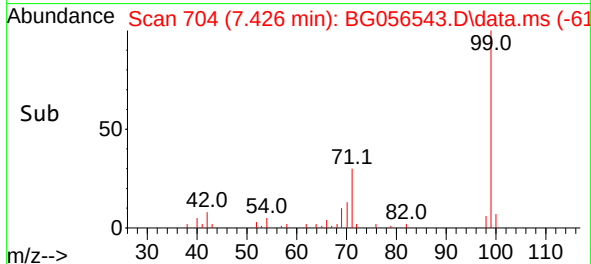
Instrument :
BNA_G
ClientSampleId :
JPP-16-020223



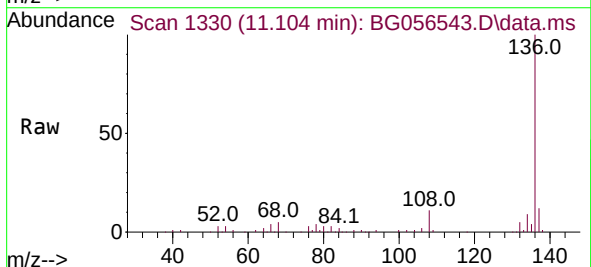
Tgt Ion: 99 Resp: 40889
Ion Ratio Lower Upper
99 100
42 8.2 6.6 10.0
71 29.6 23.4 35.0

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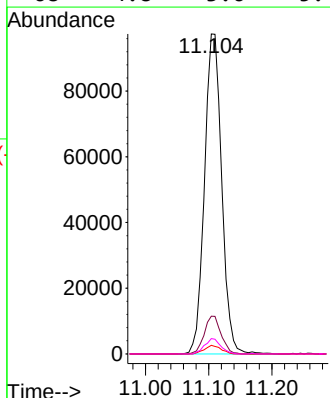
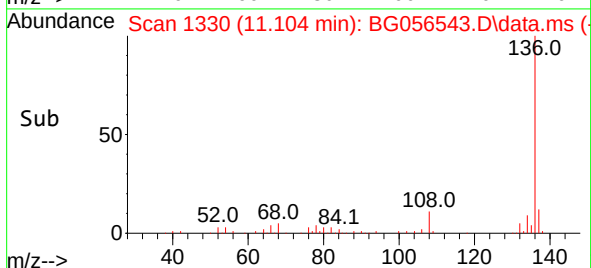
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023

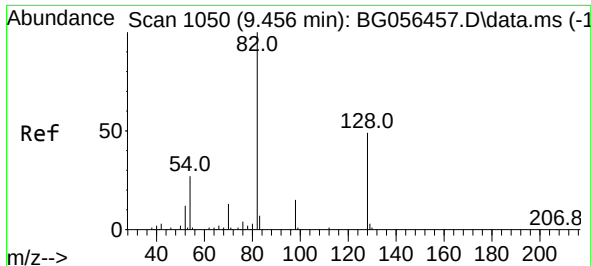


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.104 min Scan# 1330
Delta R.T. -0.003 min
Lab File: BG056543.D
Acq: 3 Feb 2023 17:52



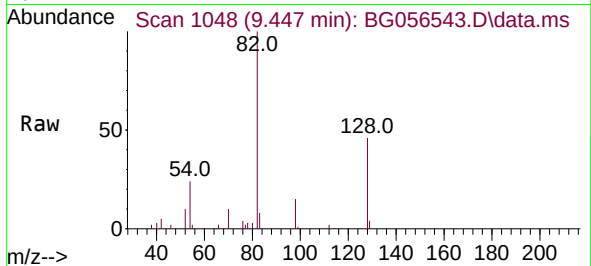
Tgt Ion:136 Resp: 184227
Ion Ratio Lower Upper
136 100
137 11.8 9.4 14.0
54 2.7 2.2 3.4
68 4.8 3.6 5.4





#23
Nitrobenzene-d5
Concen: 7.071 ng
RT: 9.447 min Scan# 1050
Delta R.T. -0.009 min
Lab File: BG056543.D
Acq: 3 Feb 2023 17:52

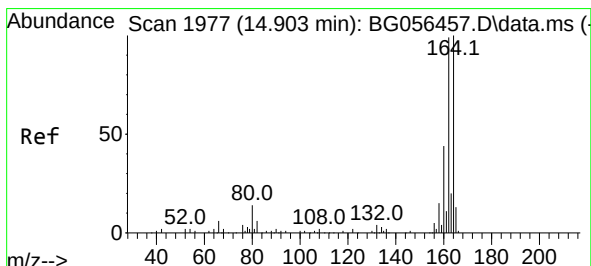
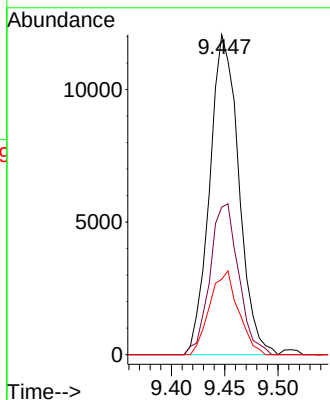
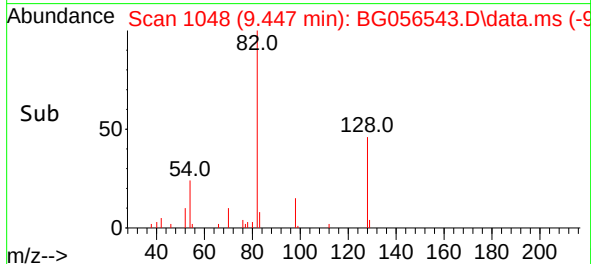
Instrument :
BNA_G
ClientSampleId :
JPP-16-020223



Tgt Ion: 82 Resp: 22941
Ion Ratio Lower Upper
82 100
128 46.1 39.4 59.2
54 23.5 21.4 32.2

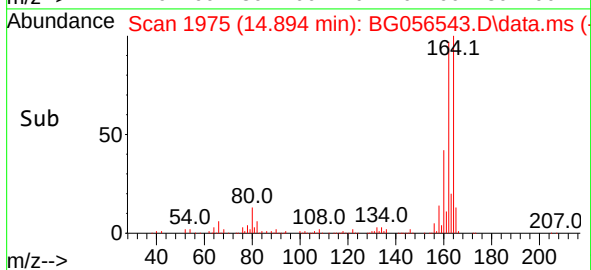
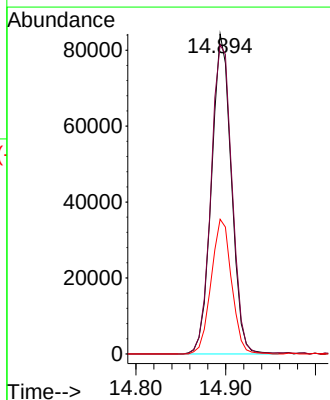
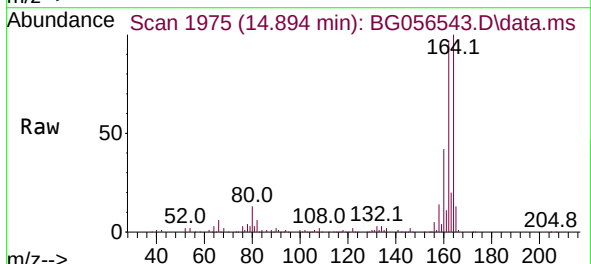
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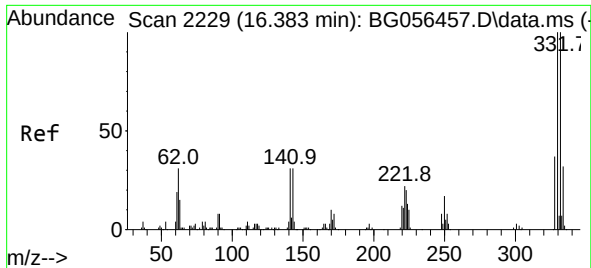
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.894 min Scan# 1975
Delta R.T. -0.003 min
Lab File: BG056543.D
Acq: 3 Feb 2023 17:52

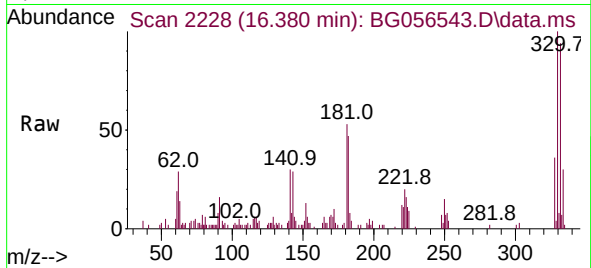
Tgt Ion:164 Resp: 129063
Ion Ratio Lower Upper
164 100
162 96.6 79.6 119.4
160 42.1 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 9.206 ng
RT: 16.380 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG056543.D
Acq: 3 Feb 2023 17:52

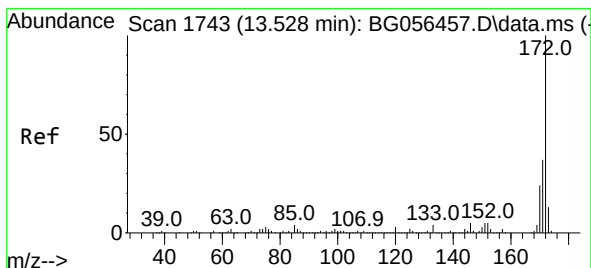
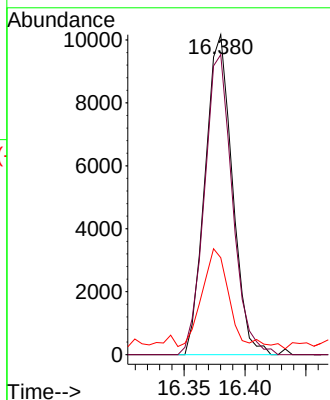
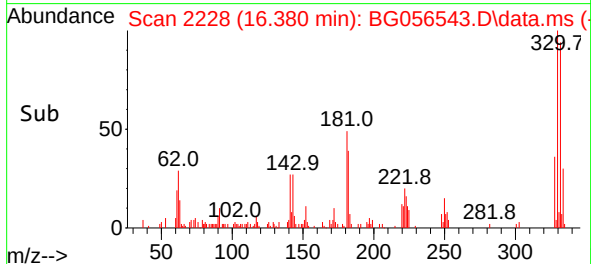
Instrument :
BNA_G
ClientSampleId :
JPP-16-020223



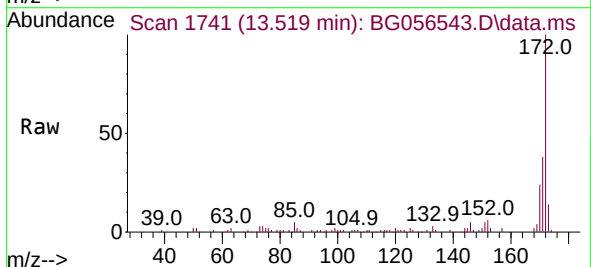
Tgt Ion:330 Resp: 15795
Ion Ratio Lower Upper
330 100
332 96.3 79.0 118.6
141 32.0 24.2 36.4

Manual Integrations
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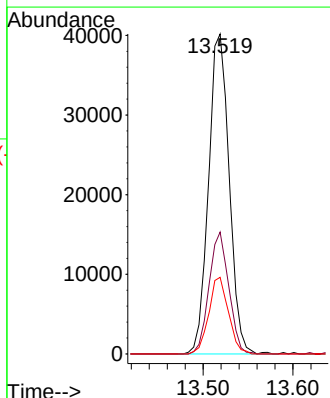
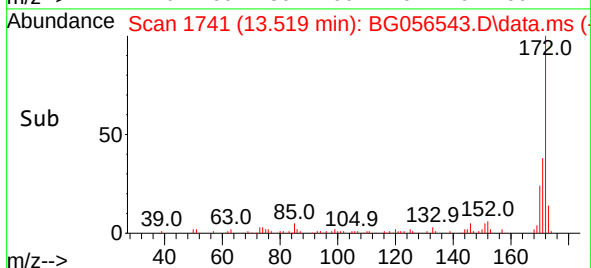
Reviewed By :Christian Giraldo 02/06/2023
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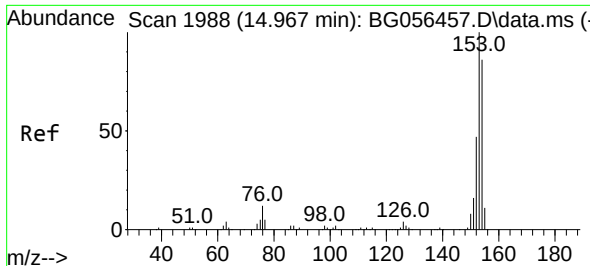


#45
2-Fluorobiphenyl
Concen: 6.907 ng
RT: 13.519 min Scan# 1741
Delta R.T. -0.003 min
Lab File: BG056543.D
Acq: 3 Feb 2023 17:52



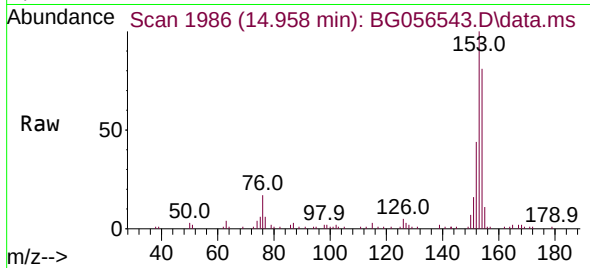
Tgt Ion:172 Resp: 64297
Ion Ratio Lower Upper
172 100
171 38.1 29.5 44.3
170 23.9 19.2 28.8





#52
Acenaphthene
Concen: 3.909 ng
RT: 14.958 min Scan# 1986
Delta R.T. -0.003 min
Lab File: BG056543.D
Acq: 3 Feb 2023 17:52

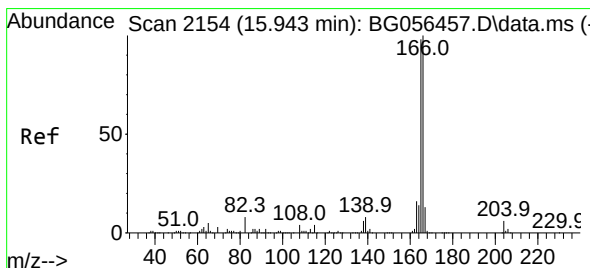
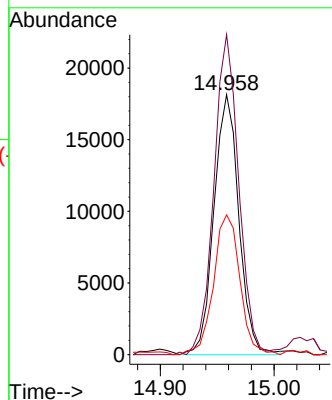
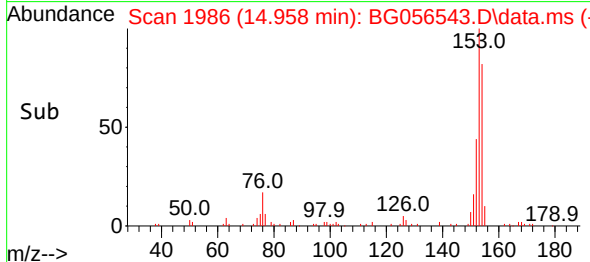
Instrument :
BNA_G
ClientSampleId :
JPP-16-020223



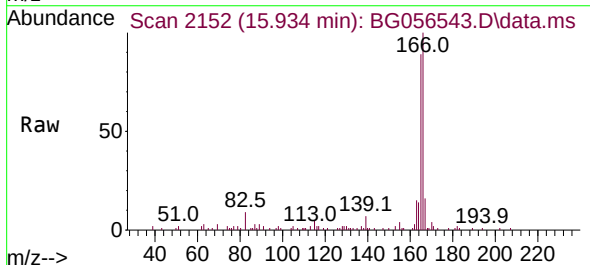
Tgt Ion:154 Resp: 27599
Ion Ratio Lower Upper
154 100
153 123.1 93.4 140.0
152 53.7 43.4 65.2

Manual Integrations
APPROVED

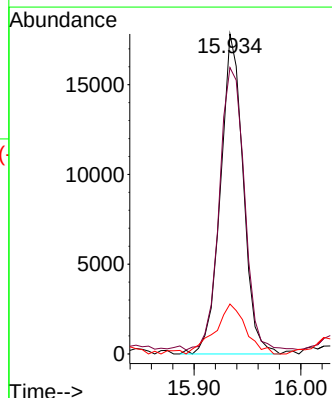
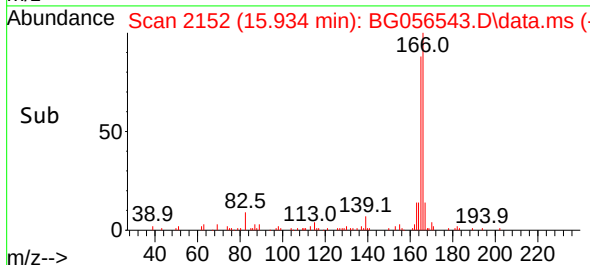
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023

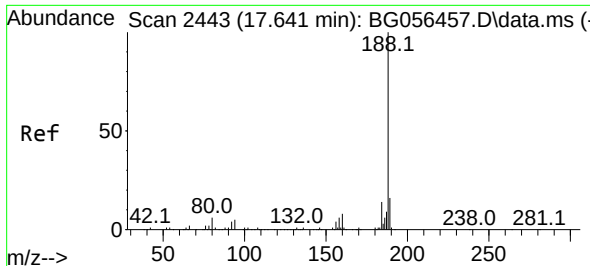


#58
Fluorene
Concen: 2.625 ng
RT: 15.934 min Scan# 2152
Delta R.T. -0.003 min
Lab File: BG056543.D
Acq: 3 Feb 2023 17:52



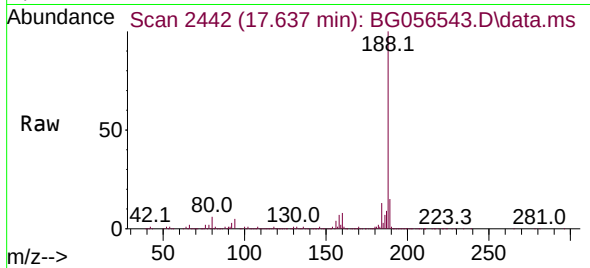
Tgt Ion:166 Resp: 26442
Ion Ratio Lower Upper
166 100
165 89.5 78.8 118.2
167 15.6 10.6 15.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.637 min Scan# 2442
Delta R.T. 0.002 min
Lab File: BG056543.D
Acq: 3 Feb 2023 17:52

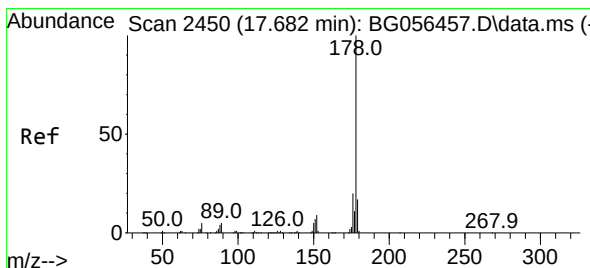
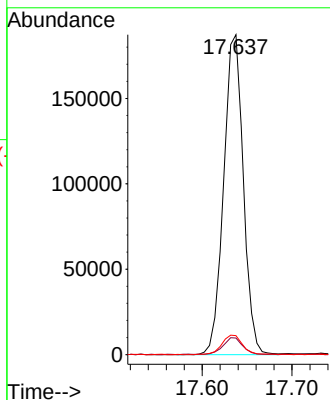
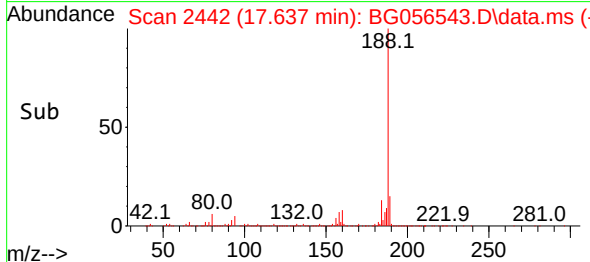
Instrument :
BNA_G
ClientSampleId :
JPP-16-020223



Tgt Ion:188 Resp: 285573
Ion Ratio Lower Upper
188 100
94 5.2 4.1 6.1
80 5.9 5.0 7.4

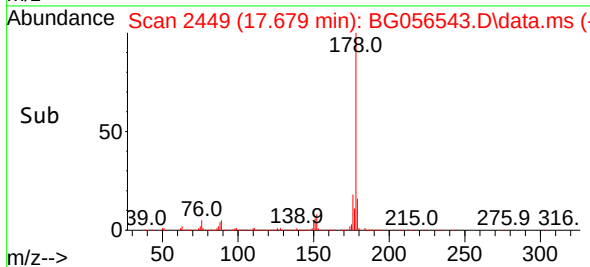
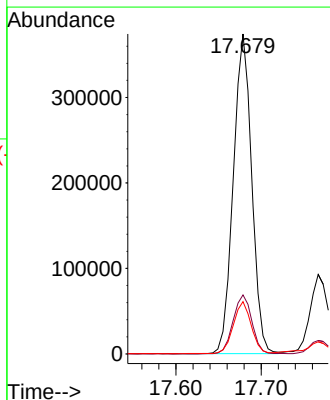
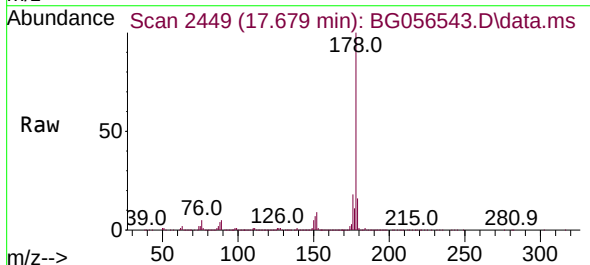
Manual Integrations
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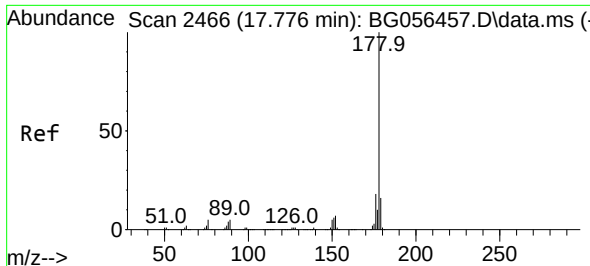
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023



#71
Phenanthrene
Concen: 37.487 ng
RT: 17.679 min Scan# 2449
Delta R.T. 0.002 min
Lab File: BG056543.D
Acq: 3 Feb 2023 17:52

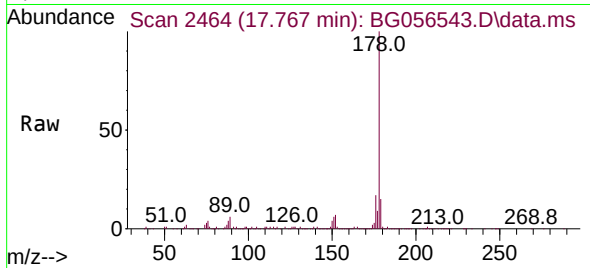
Tgt Ion:178 Resp: 560296
Ion Ratio Lower Upper
178 100
176 18.4 15.6 23.4
179 16.4 13.3 19.9





#72
 Anthracene
 Concen: 8.630 ng
 RT: 17.767 min Scan# 2466
 Delta R.T. -0.003 min
 Lab File: BG056543.D
 Acq: 3 Feb 2023 17:52

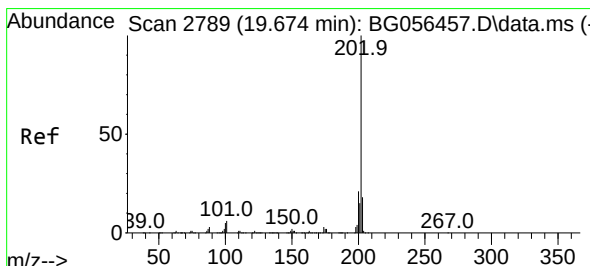
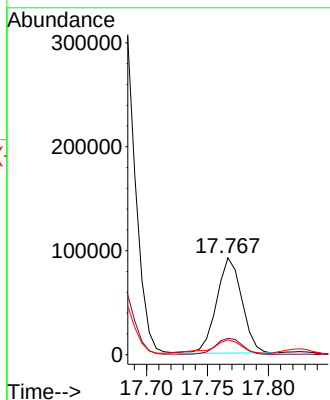
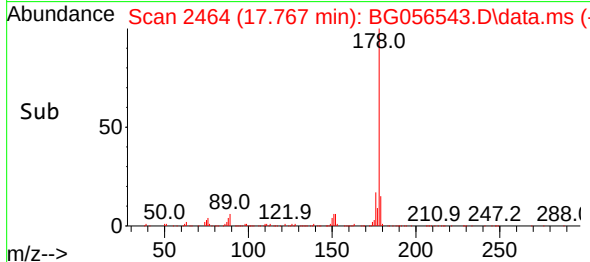
Instrument :
 BNA_G
 ClientSampleId :
 JPP-16-020223



Tgt Ion:178 Resp: 132402
 Ion Ratio Lower Upper
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 176 16.8 14.5 21.7
 179 15.2 12.5 18.7

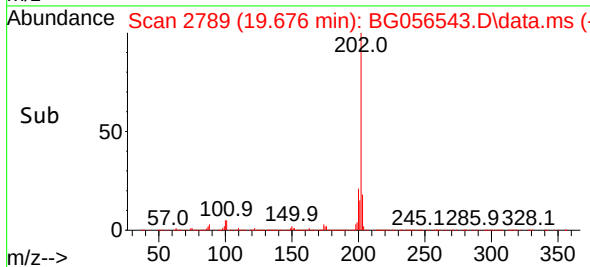
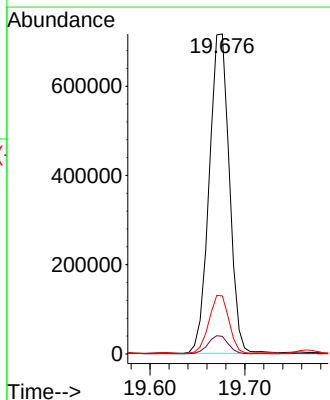
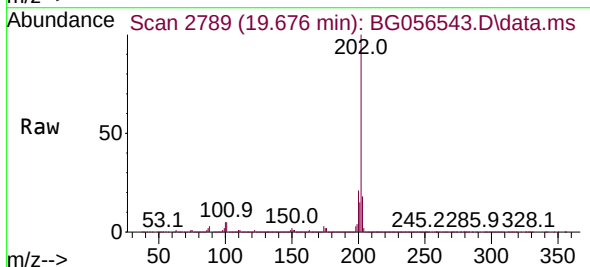
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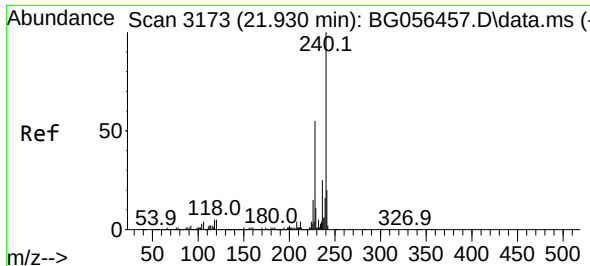
Reviewed By :Christian Giraldo 02/06/2023
 Supervised By :Jagrut Upadhyay 02/06/2023



#75
 Fluoranthene
 Concen: 56.105 ng
 RT: 19.676 min Scan# 2789
 Delta R.T. 0.008 min
 Lab File: BG056543.D
 Acq: 3 Feb 2023 17:52

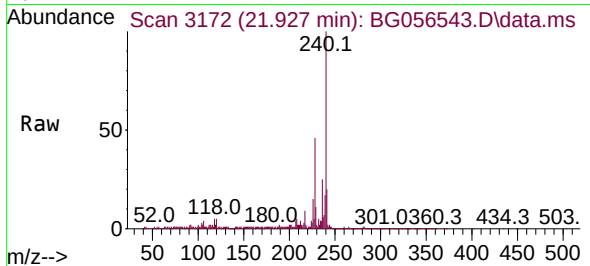
Tgt Ion:202 Resp: 1058363
 Ion Ratio Lower Upper
 202 100
 101 5.5 0.0 25.6
 203 18.1 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.927 min Scan# 3172
Delta R.T. 0.002 min
Lab File: BG056543.D
Acq: 3 Feb 2023 17:52

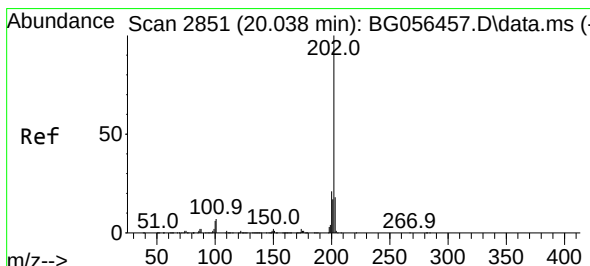
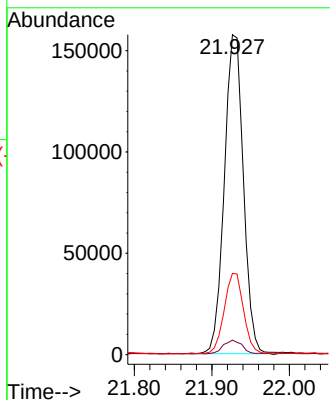
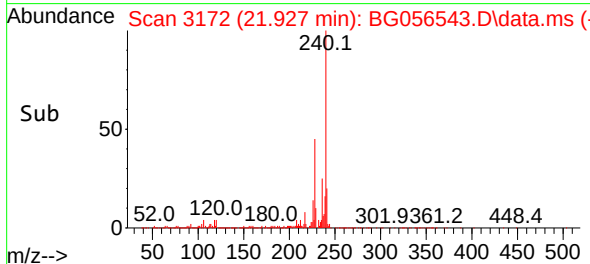
Instrument :
BNA_G
ClientSampleId :
JPP-16-020223



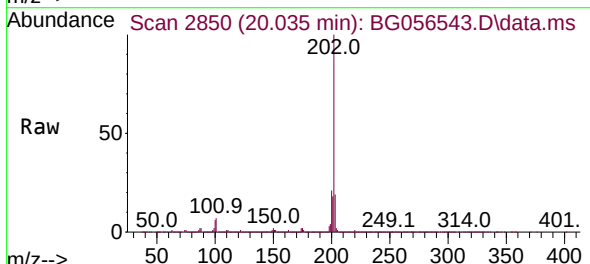
Tgt Ion:240 Resp: 269491
Ion Ratio Lower Upper
240 100
120 4.5 3.8 5.8
236 25.4 20.2 30.2

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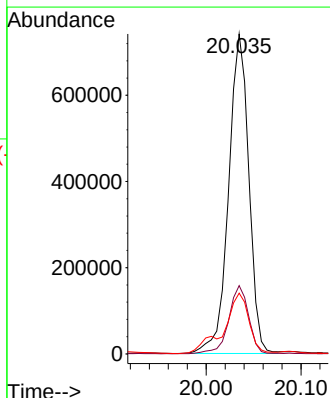
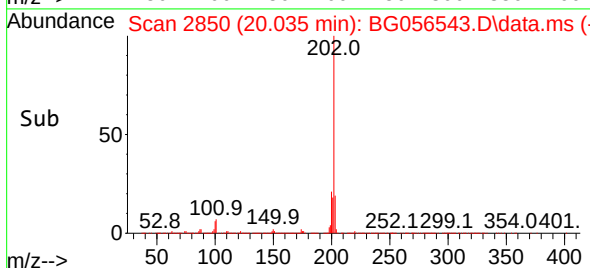
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023

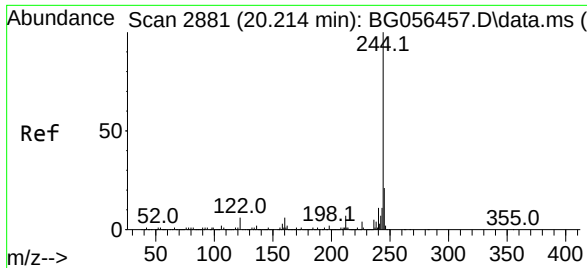


#78
Pyrene
Concen: 57.443 ng
RT: 20.035 min Scan# 2850
Delta R.T. 0.002 min
Lab File: BG056543.D
Acq: 3 Feb 2023 17:52



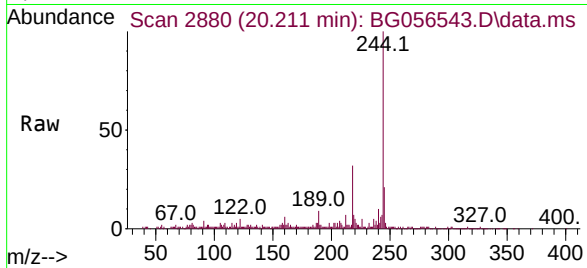
Tgt Ion:202 Resp: 1100993
Ion Ratio Lower Upper
202 100
200 21.3 16.7 25.1
203 19.0 14.4 21.6





#79
 Terphenyl-d14
 Concen: 6.119 ng
 RT: 20.211 min Scan# 2881
 Delta R.T. 0.002 min
 Lab File: BG056543.D
 Acq: 3 Feb 2023 17:52

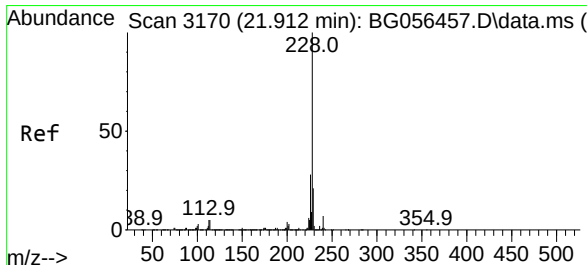
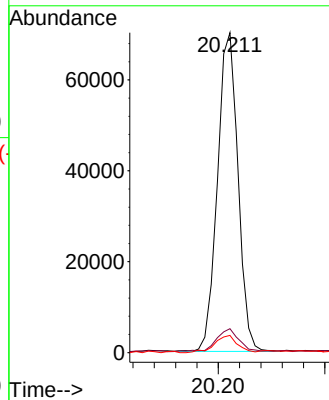
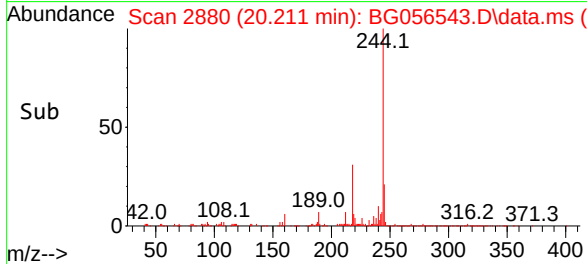
Instrument :
 BNA_G
 ClientSampleId :
 JPP-16-020223



Tgt Ion:244 Resp: 93890
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.5 8.3
 122 5.4 4.4 6.6

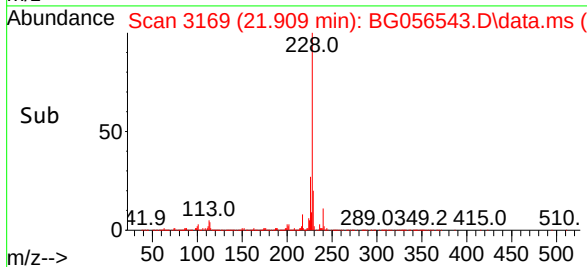
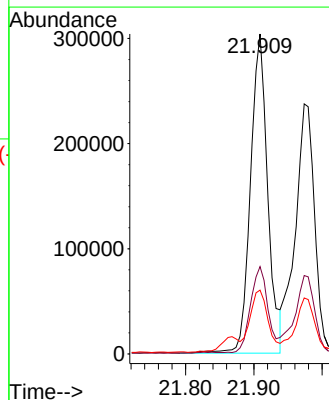
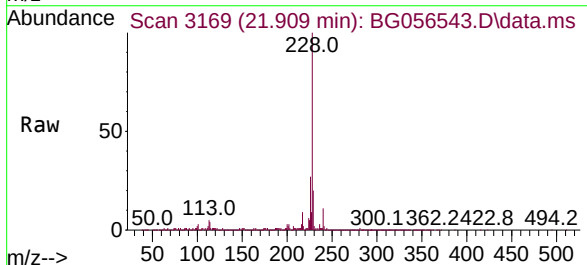
Manual Integrations
 APPROVED

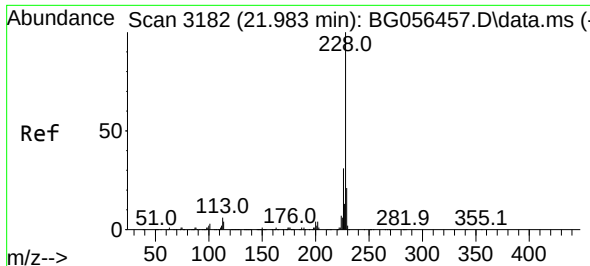
Reviewed By :Christian Giraldo 02/06/2023
 Supervised By :Jagrut Upadhyay 02/06/2023



#81
 Benzo(a)anthracene
 Concen: 28.338 ng
 RT: 21.909 min Scan# 3169
 Delta R.T. 0.008 min
 Lab File: BG056543.D
 Acq: 3 Feb 2023 17:52

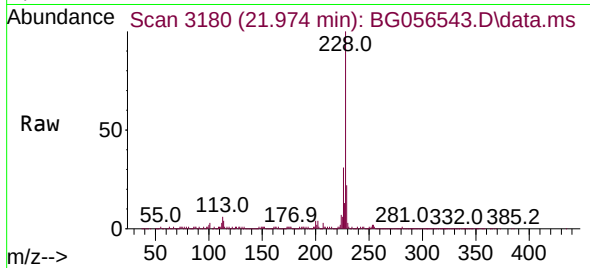
Tgt Ion:228 Resp: 533907
 Ion Ratio Lower Upper
 228 100
 226 27.3 22.4 33.6
 229 20.0 16.5 24.7





#83
Chrysene
Concen: 26.309 ng
RT: 21.974 min Scan# 3182
Delta R.T. -0.003 min
Lab File: BG056543.D
Acq: 3 Feb 2023 17:52

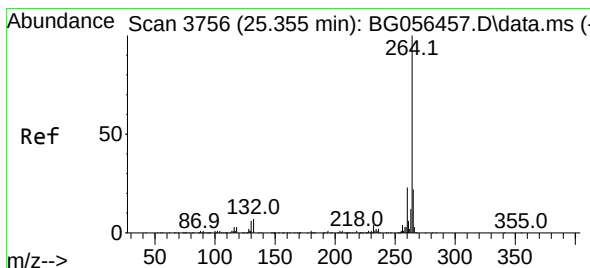
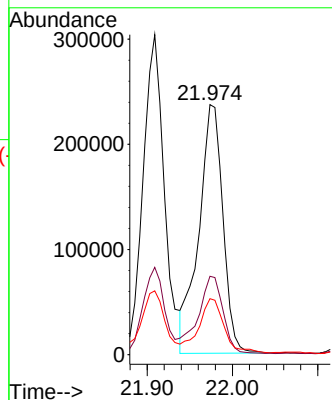
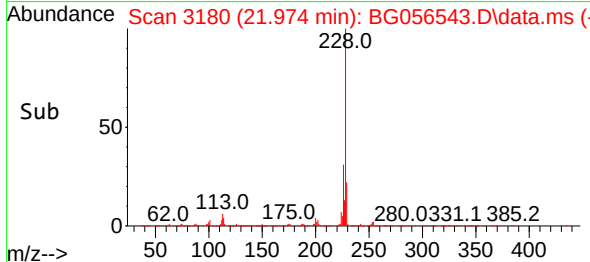
Instrument :
BNA_G
ClientSampleId :
JPP-16-020223



Tgt Ion:228 Resp: 465675
Ion Ratio Lower Upper
228 100
226 31.3 25.0 37.4
229 22.3 16.4 24.6

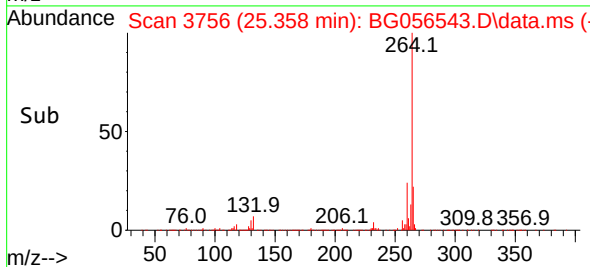
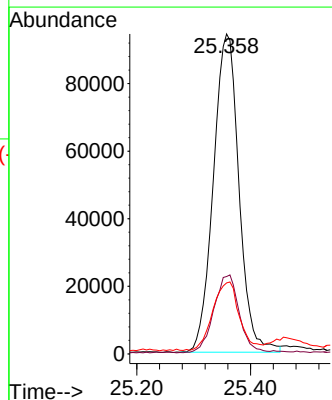
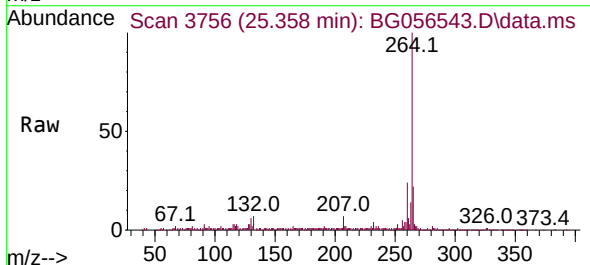
Manual Integrations
APPROVED

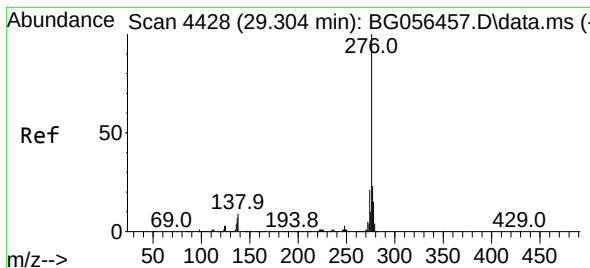
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.358 min Scan# 3756
Delta R.T. 0.014 min
Lab File: BG056543.D
Acq: 3 Feb 2023 17:52

Tgt Ion:264 Resp: 294436
Ion Ratio Lower Upper
264 100
260 24.2 18.2 27.4
265 22.2 18.1 27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 12.570 ng

RT: 29.294 min Scan# 4428

Delta R.T. 0.014 min

Lab File: BG056543.D

Acq: 3 Feb 2023 17:52

Instrument :

BNA_G

ClientSampleId :

JPP-16-020223

Tgt Ion: 276 Resp: 27092

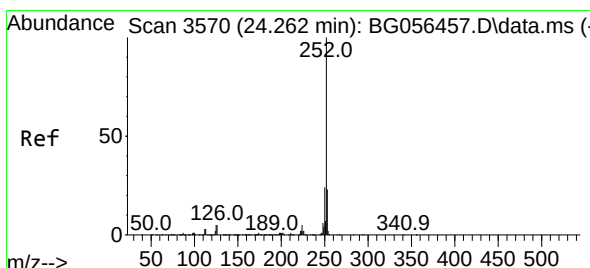
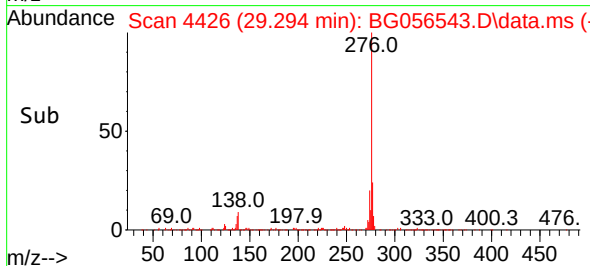
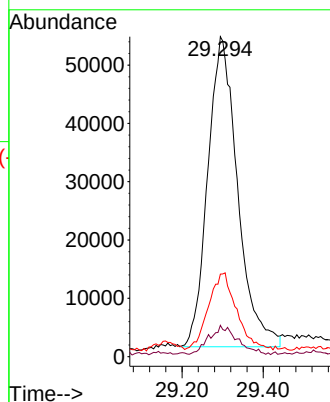
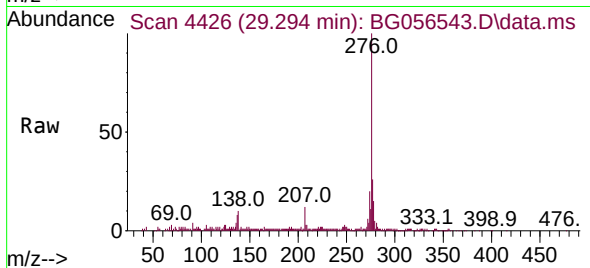
Ion	Ratio	Lower	Upper
276	100		
138	8.6	9.4	14.2
277	23.6	20.3	30.5

Manual Integrations

APPROVED

Reviewed By : Christian Giraldo 02/06/2023

Supervised By : Jagrut Upadhyay 02/06/2023



#88

Benzo(b)fluoranthene

Concen: 35.343 ng

RT: 24.265 min Scan# 3570

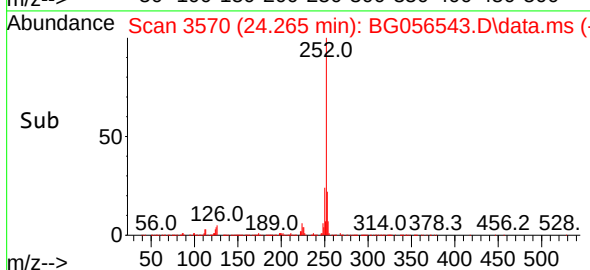
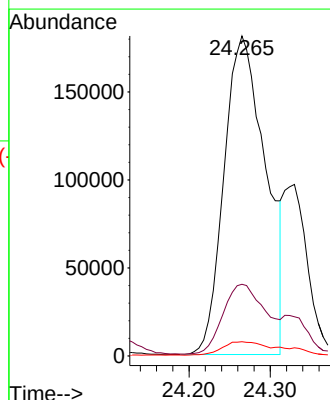
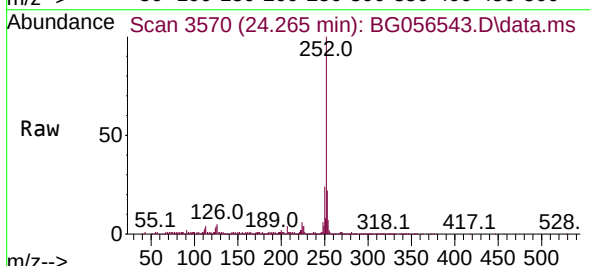
Delta R.T. 0.014 min

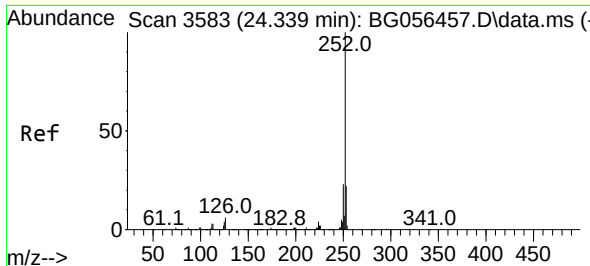
Lab File: BG056543.D

Acq: 3 Feb 2023 17:52

Tgt Ion: 252 Resp: 645915

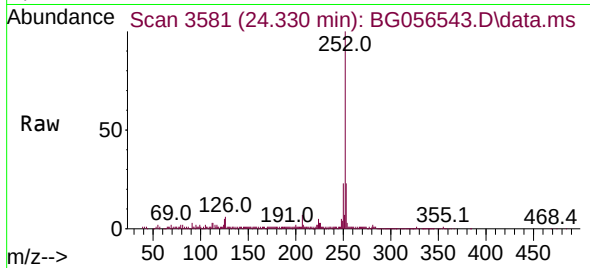
Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	4.4	3.9	5.9





#89
Benzo(k)fluoranthene
Concen: 10.773 ng m
RT: 24.330 min Scan# 3583
Delta R.T. 0.008 min
Lab File: BG056543.D
Acq: 3 Feb 2023 17:52

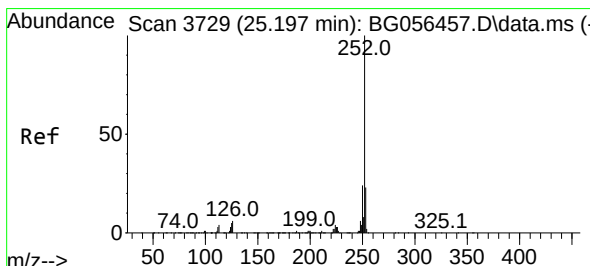
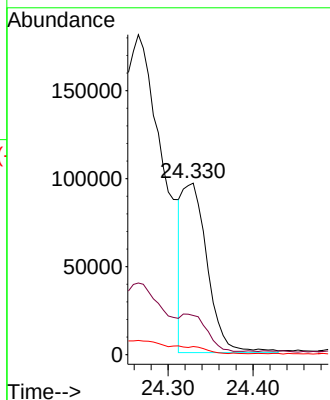
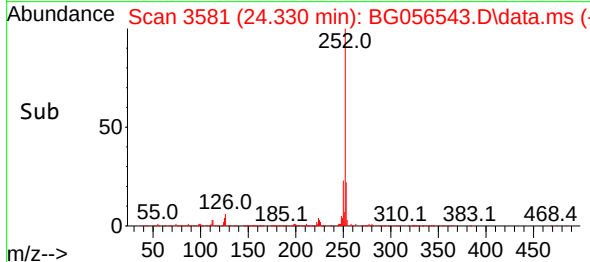
Instrument :
BNA_G
ClientSampleId :
JPP-16-020223



Tgt Ion:252 Resp: 198772
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 4.7 3.4 5.0

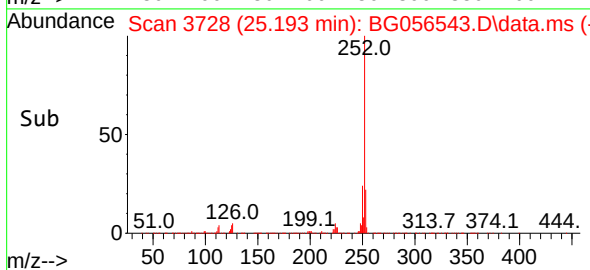
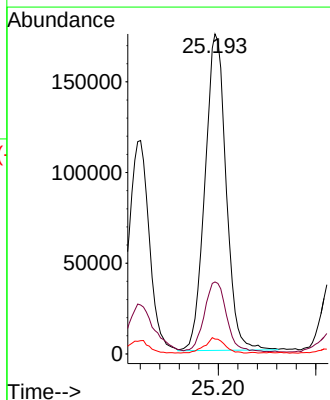
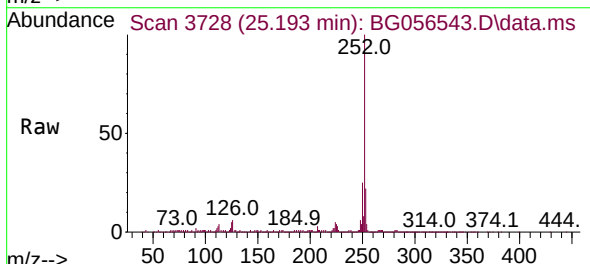
Manual Integrations
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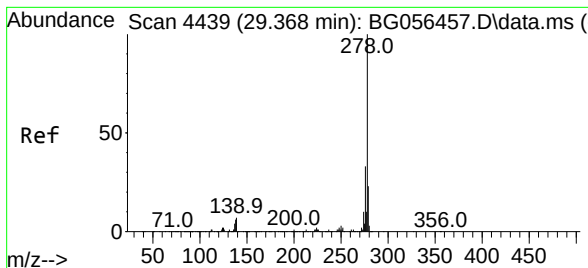
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023



#90
Benzo(a)pyrene
Concen: 29.187 ng
RT: 25.193 min Scan# 3728
Delta R.T. 0.008 min
Lab File: BG056543.D
Acq: 3 Feb 2023 17:52

Tgt Ion:252 Resp: 525435
Ion Ratio Lower Upper
252 100
253 22.5 18.4 27.6
125 4.6 4.1 6.1





#91

Dibenzo(a,h)anthracene

Concen: 3.470 ng

RT: 29.336 min Scan# 4433

Delta R.T. -0.009 min

Lab File: BG056543.D

Acq: 3 Feb 2023 17:52

Instrument :

BNA_G

ClientSampleId :

JPP-16-020223

Tgt Ion:278 Resp: 62774

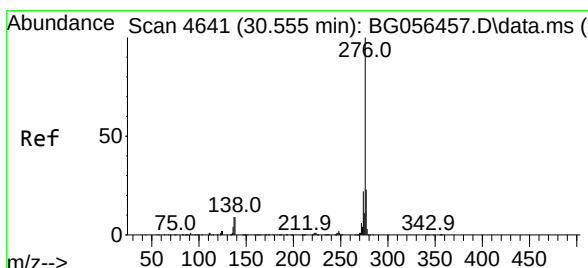
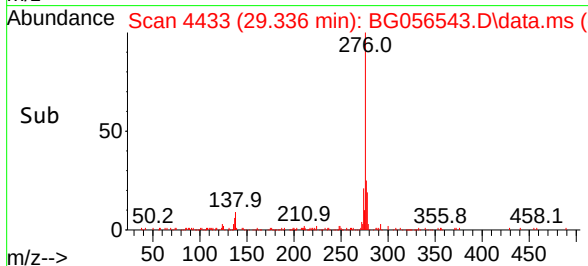
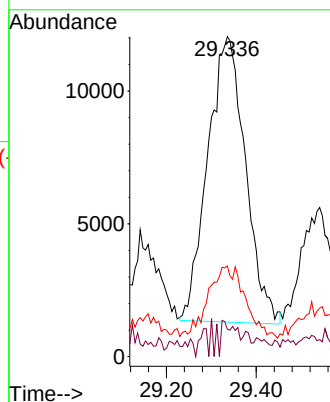
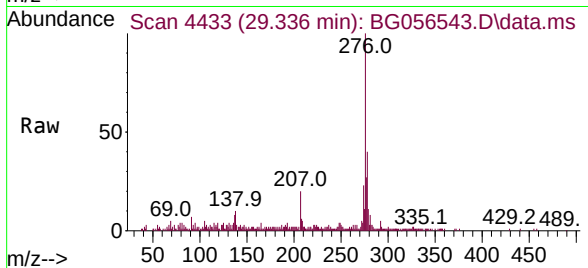
Ion	Ratio	Lower	Upper
278	100		
139	8.5	5.5	8.3
279	28.3	18.8	28.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/06/2023

Supervised By :Jagrut Upadhyay 02/06/2023



#92

Benzo(g,h,i)perylene

Concen: 16.248 ng

RT: 30.528 min Scan# 4636

Delta R.T. 0.002 min

Lab File: BG056543.D

Acq: 3 Feb 2023 17:52

Tgt Ion:276 Resp: 283641

Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.5	27.7
138	10.9	7.4	11.0

