

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG010323\
 Data File : BG056193.D
 Acq On : 3 Jan 2023 19:44
 Operator : CG/JU
 Sample : N6248-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-15

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 01/04/2023
 Supervised By :Yogesh Patel 01/05/2023

Quant Time: Jan 04 02:15:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 04 02:08:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.341	152	62911	20.000	ng	0.00
21) Naphthalene-d8	11.173	136	247639	20.000	ng	0.00
39) Acenaphthene-d10	14.951	164	179203	20.000	ng	0.00
64) Phenanthrene-d10	17.683	188	414925	20.000	ng	0.00
76) Chrysene-d12	21.984	240	381740	20.000	ng	0.00
86) Perylene-d12	25.450	264	420323	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.861	112	353759	100.401	ng	0.01
7) Phenol-d6	7.477	99	508234	93.926	ng	0.00
23) Nitrobenzene-d5	9.516	82	272775	56.344	ng	0.00
42) 2,4,6-Tribromophenol	16.425	330	194538	85.716	ng	0.00
45) 2-Fluorobiphenyl	13.576	172	787384	60.674	ng	0.00
79) Terphenyl-d14	20.256	244	1176613	55.204	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.730	178	387206	18.007	ng	98
72) Anthracene	17.818	178	80795	3.642	ng	96
73) Carbazole	18.076	167	48046	2.577	ng	95
75) Fluoranthene	19.716	202	782302	27.891	ng	100
78) Pyrene	20.080	202	701515	26.072	ng	100
81) Benzo(a)anthracene	21.966	228	433815	16.180	ng	100
83) Chrysene	22.031	228	430471m	17.140	ng	
87) Indeno(1,2,3-cd)pyrene	29.428	276	315305	10.315	ng	# 99
88) Benzo(b)fluoranthene	24.340	252	612678	22.942	ng	97
89) Benzo(k)fluoranthene	24.404	252	232813m	8.754	ng	
90) Benzo(a)pyrene	25.280	252	474209	18.205	ng	97
91) Dibenzo(a,h)anthracene	29.469	278	86519m	3.376	ng	
92) Benzo(g,h,i)perylene	30.679	276	317670	12.782	ng	98

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

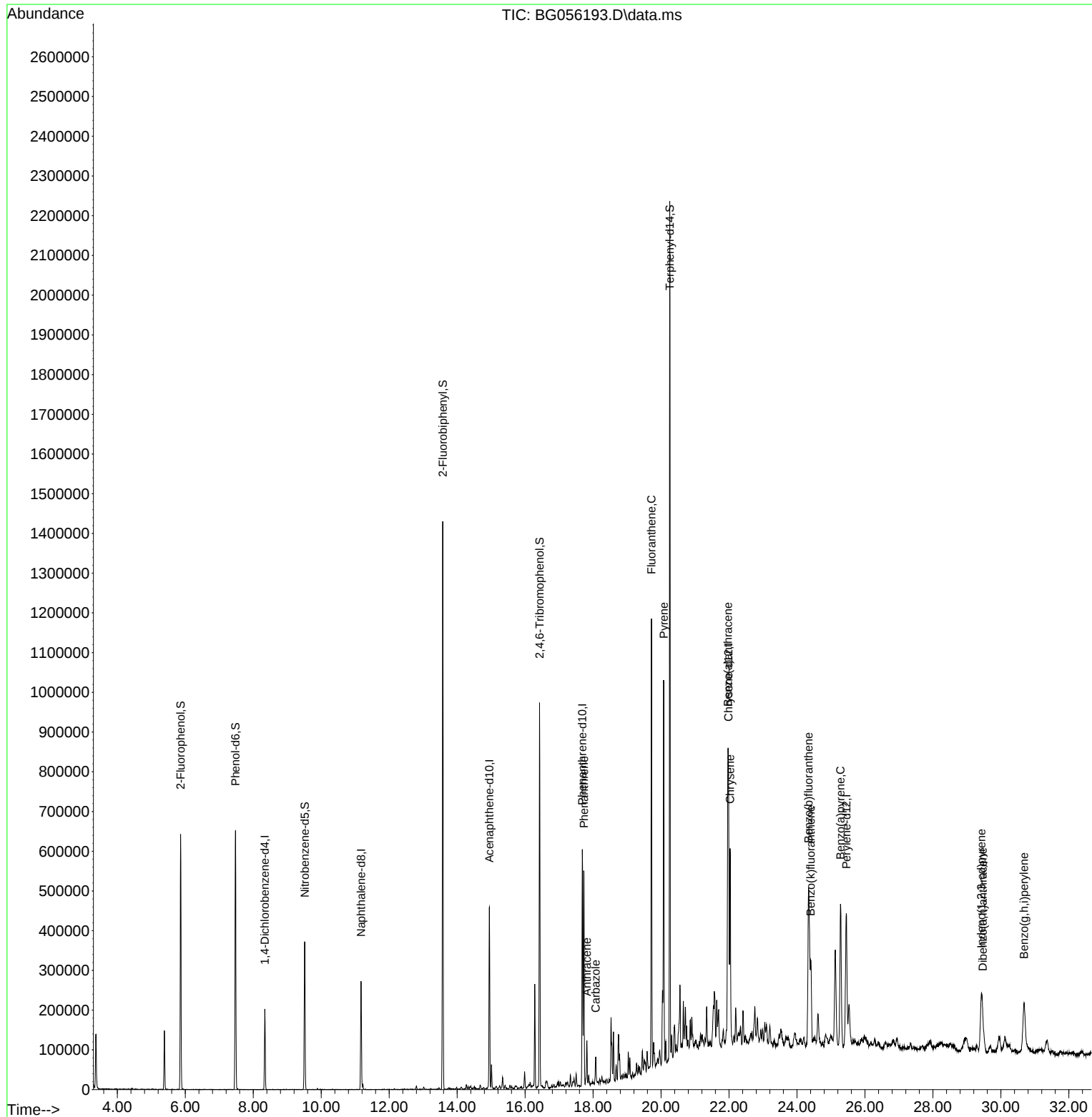
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG010323\
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Acq On : 3 Jan 2023 19:44
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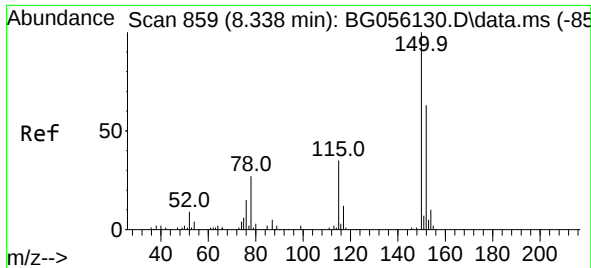
Instrument :
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TP-15

Quant Time: Jan 04 02:15:37 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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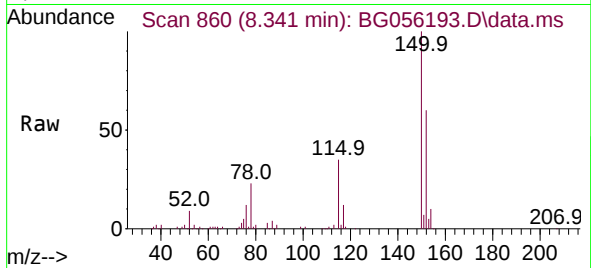
Reviewed By :Jagrut Upadhyay 01/04/2023
Supervised By :Yogesh Patel 01/05/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.341 min Scan# 80
Delta R.T. 0.003 min
Lab File: BG056193.D
Acq: 3 Jan 2023 19:44

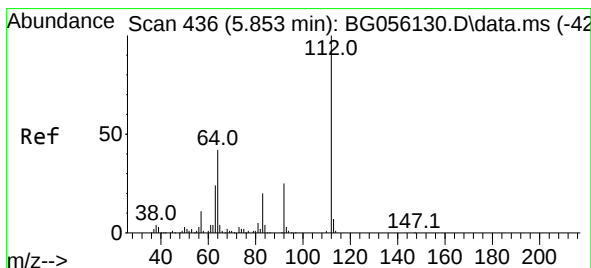
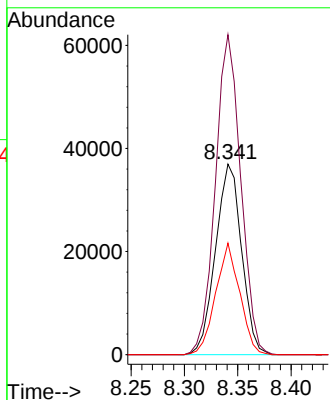
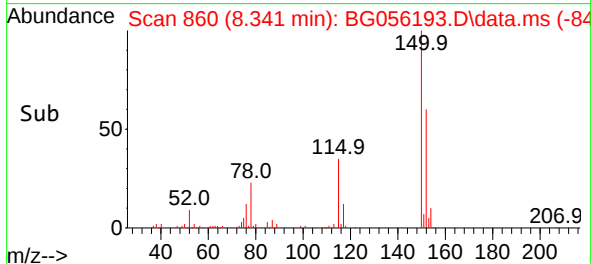
Instrument :
BNA_G
ClientSampleId :
TP-15



Tgt Ion:152 Resp: 6291
Ion Ratio Lower Upper
152 100
150 167.9 127.9 191.9
115 58.5 44.2 66.2

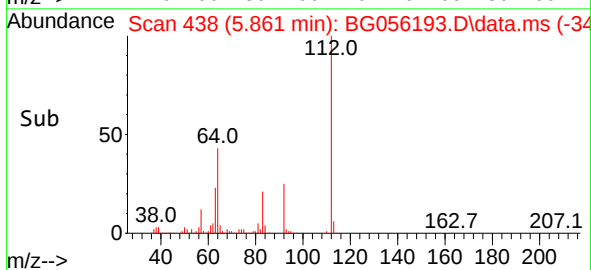
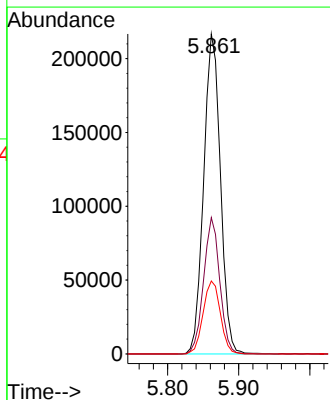
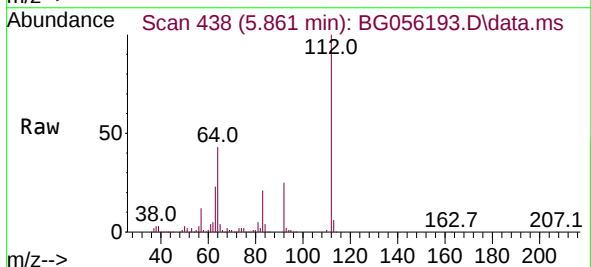
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Supervised By :Yogesh Patel 01/05/2023



#5
2-Fluorophenol
Concen: 100.401 ng
RT: 5.861 min Scan# 438
Delta R.T. 0.014 min
Lab File: BG056193.D
Acq: 3 Jan 2023 19:44

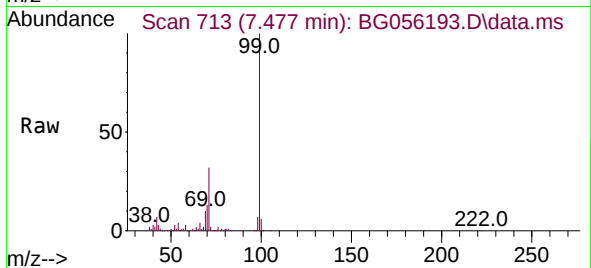
Tgt Ion:112 Resp: 353759
Ion Ratio Lower Upper
112 100
64 42.6 33.3 49.9
63 22.8 19.0 28.4





#7
Phenol-d6
Concen: 93.926 ng
RT: 7.477 min Scan# 711
Delta R.T. 0.009 min
Lab File: BG056193.D
Acq: 3 Jan 2023 19:44

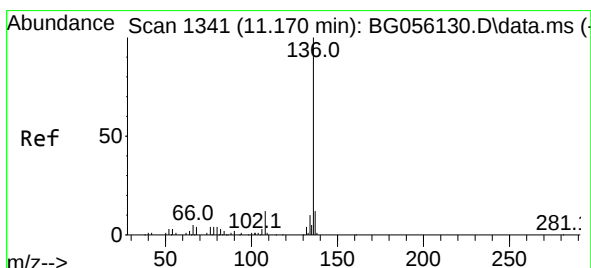
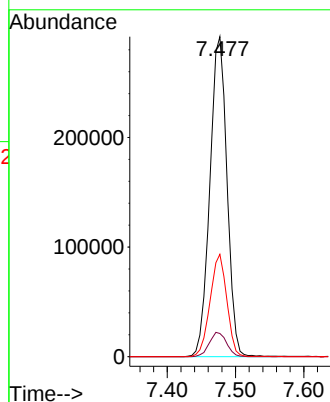
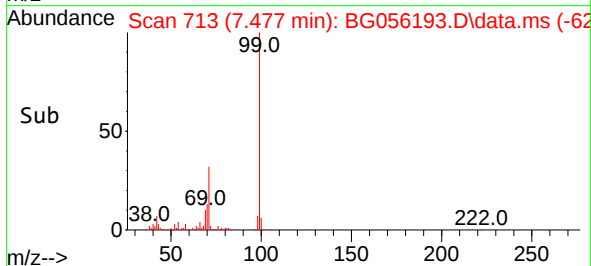
Instrument :
BNA_G
ClientSampleId :
TP-15



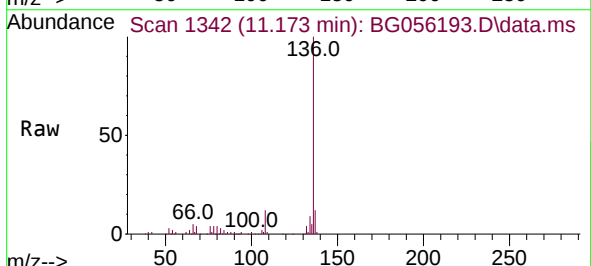
Tgt Ion: 99 Resp: 508234
Ion Ratio Lower Upper
99 100
42 7.2 5.9 8.9
71 32.0 25.4 38.2

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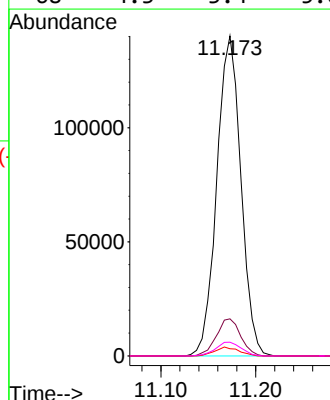
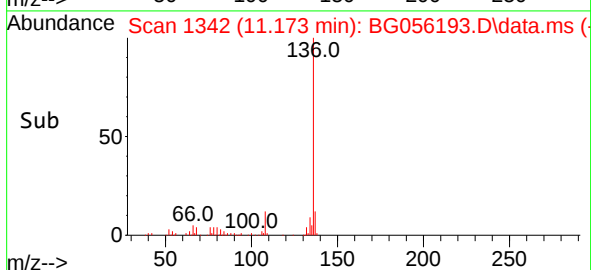
Reviewed By :Jagrut Upadhyay 01/04/2023
Supervised By :Yogesh Patel 01/05/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.173 min Scan# 1342
Delta R.T. 0.003 min
Lab File: BG056193.D
Acq: 3 Jan 2023 19:44



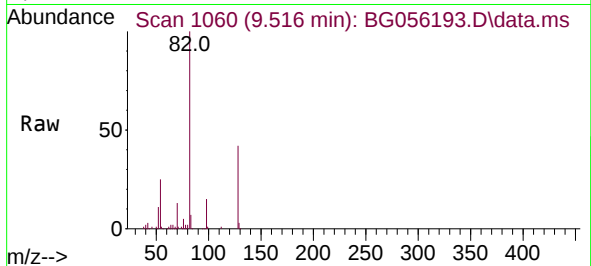
Tgt Ion:136 Resp: 247639
Ion Ratio Lower Upper
136 100
137 11.6 9.4 14.0
54 2.2 2.2 3.2
68 4.3 3.4 5.0





#23
Nitrobenzene-d5
Concen: 56.344 ng
RT: 9.516 min Scan# 1059
Delta R.T. 0.009 min
Lab File: BG056193.D
Acq: 3 Jan 2023 19:44

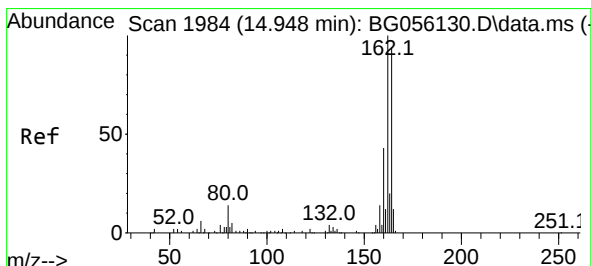
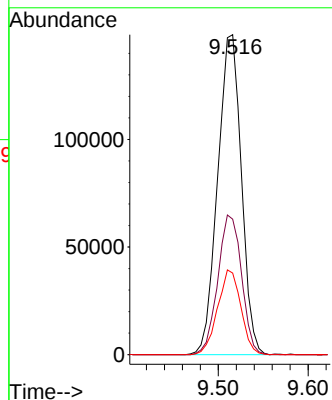
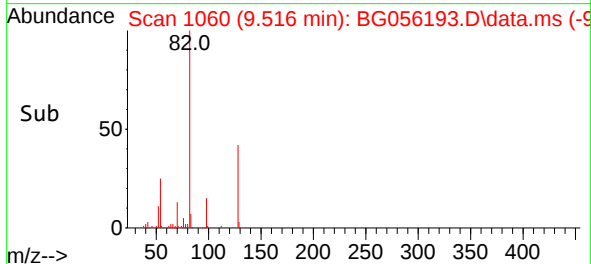
Instrument :
BNA_G
ClientSampleId :
TP-15



Tgt Ion: 82 Resp: 272775
Ion Ratio Lower Upper
82 100
128 42.3 33.4 50.2
54 25.5 20.3 30.5

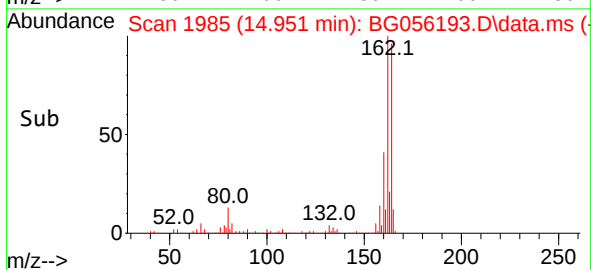
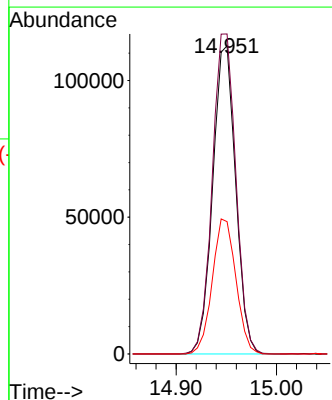
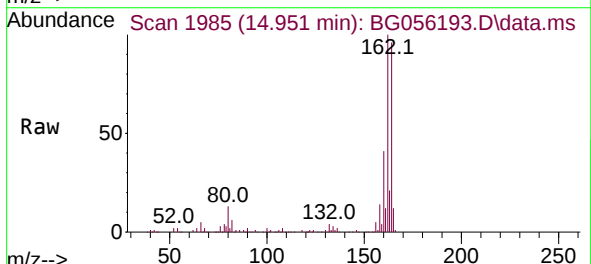
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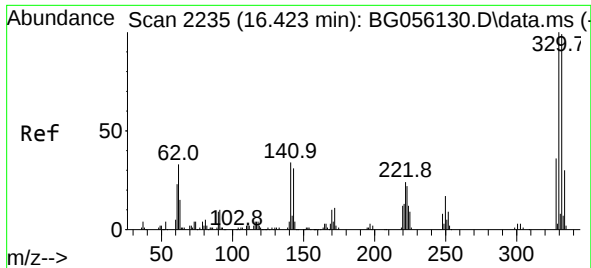
Reviewed By :Jagrut Upadhyay 01/04/2023
Supervised By :Yogesh Patel 01/05/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.951 min Scan# 1985
Delta R.T. 0.003 min
Lab File: BG056193.D
Acq: 3 Jan 2023 19:44

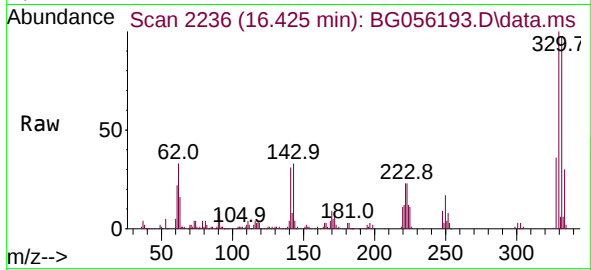
Tgt Ion:164 Resp: 179203
Ion Ratio Lower Upper
164 100
162 103.9 84.7 127.1
160 42.9 36.3 54.5





#42
2,4,6-Tribromophenol
Concen: 85.716 ng
RT: 16.425 min Scan# 2235
Delta R.T. -0.003 min
Lab File: BG056193.D
Acq: 3 Jan 2023 19:44

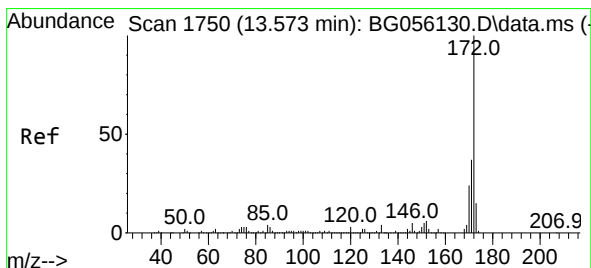
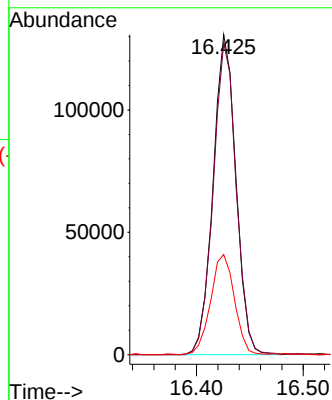
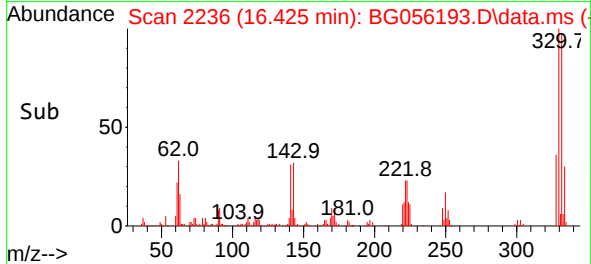
Instrument :
BNA_G
ClientSampleId :
TP-15



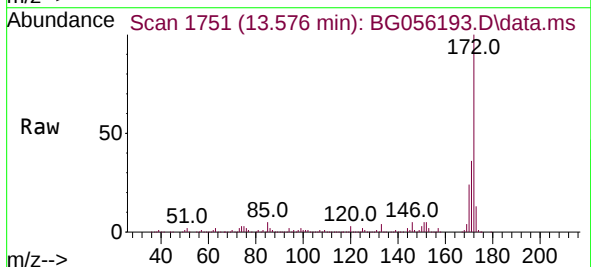
Tgt Ion: 330 Resp: 194538
Ion Ratio Lower Upper
330 100
332 98.2 77.3 115.9
141 32.7 27.9 41.9

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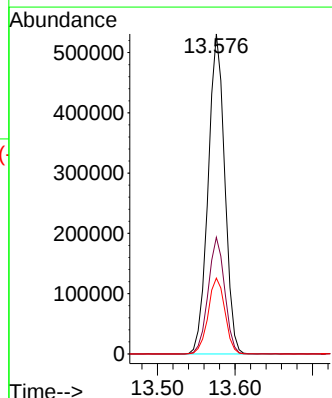
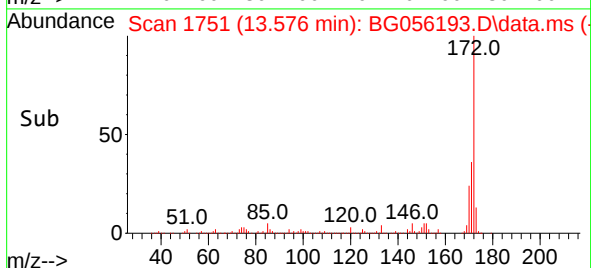
Reviewed By : Jagrut Upadhyay 01/04/2023
Supervised By : Yogesh Patel 01/05/2023

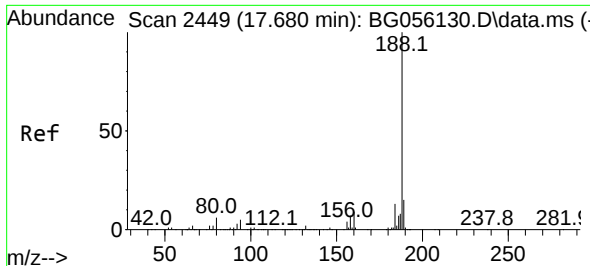


#45
2-Fluorobiphenyl
Concen: 60.674 ng
RT: 13.576 min Scan# 1751
Delta R.T. -0.003 min
Lab File: BG056193.D
Acq: 3 Jan 2023 19:44



Tgt Ion: 172 Resp: 787384
Ion Ratio Lower Upper
172 100
171 36.4 29.6 44.4
170 23.7 19.4 29.2





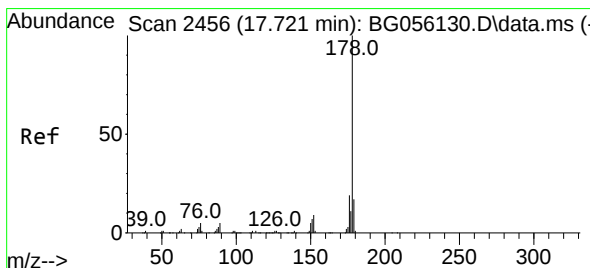
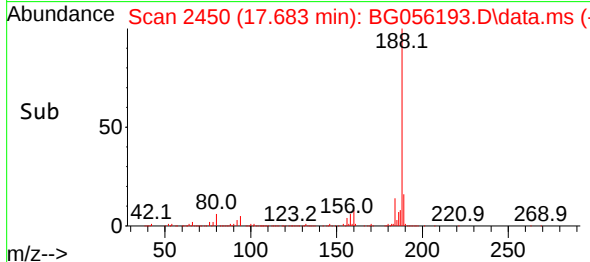
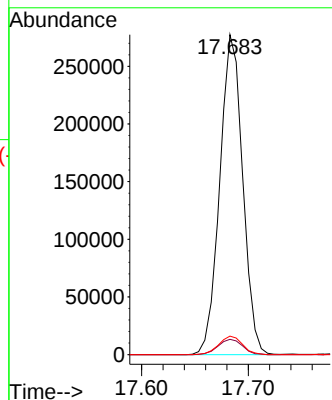
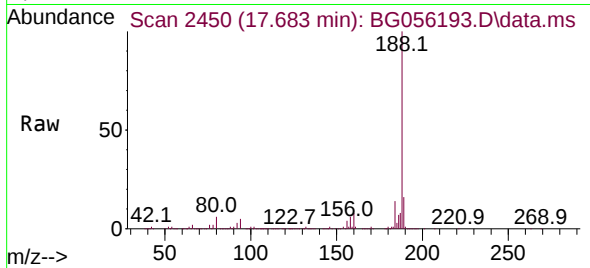
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.683 min Scan# 2449
Delta R.T. -0.003 min
Lab File: BG056193.D
Acq: 3 Jan 2023 19:44

Instrument :
BNA_G
ClientSampleId :
TP-15

Tgt Ion:188 Resp: 414925
Ion Ratio Lower Upper
188 100
94 4.8 4.2 6.2
80 5.8 5.0 7.4

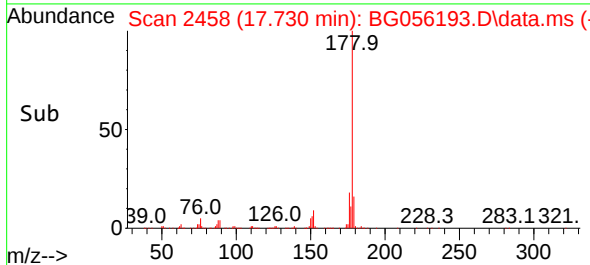
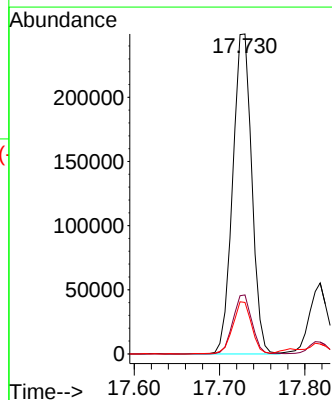
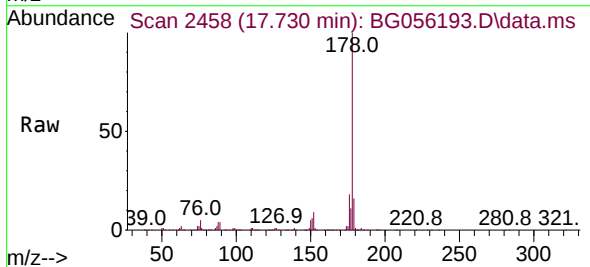
Manual Integrations
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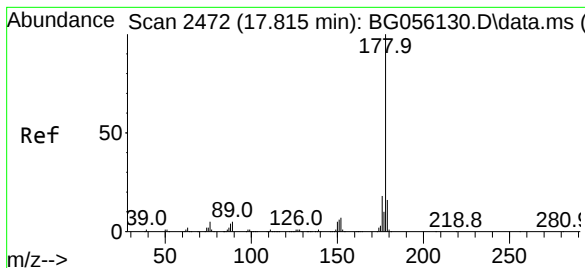
Reviewed By :Jagrut Upadhyay 01/04/2023
Supervised By :Yogesh Patel 01/05/2023



#71
Phenanthrene
Concen: 18.007 ng
RT: 17.730 min Scan# 2458
Delta R.T. 0.003 min
Lab File: BG056193.D
Acq: 3 Jan 2023 19:44

Tgt Ion:178 Resp: 387206
Ion Ratio Lower Upper
178 100
176 18.4 15.4 23.0
179 16.1 13.6 20.4





#72

Anthracene

Concen: 3.642 ng

RT: 17.818 min Scan# 2472

Delta R.T. -0.003 min

Lab File: BG056193.D

Acq: 3 Jan 2023 19:44

Instrument :

BNA_G

ClientSampleId :

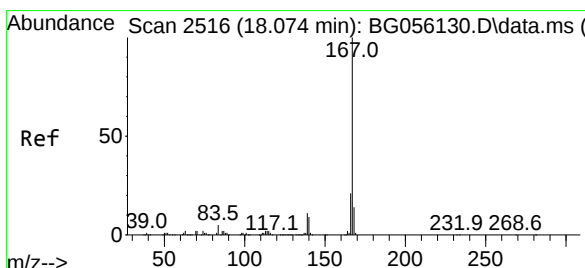
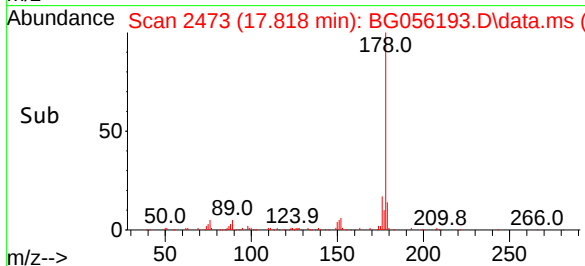
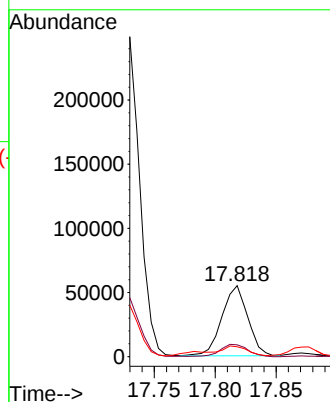
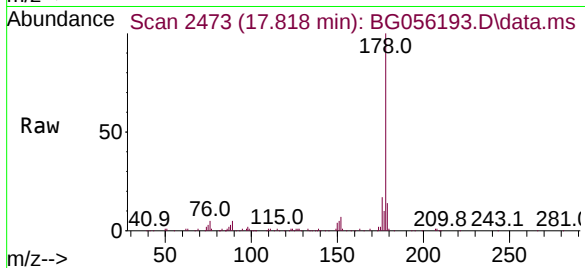
TP-15

Tgt Ion:178 Resp: 80795
 Ion Ratio Lower Upper
 178 100
 176 16.6 14.6 22.0
 179 14.0 12.7 19.1

Manual Integrations

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Reviewed By :Jagrut Upadhyay 01/04/2023
 Supervised By :Yogesh Patel 01/05/2023



#73

Carbazole

Concen: 2.577 ng

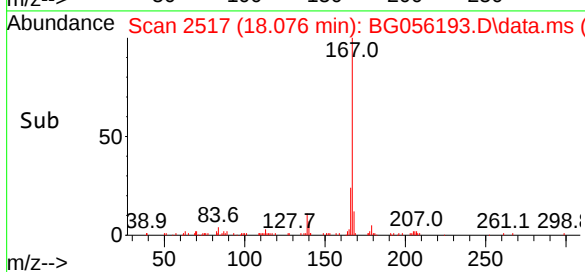
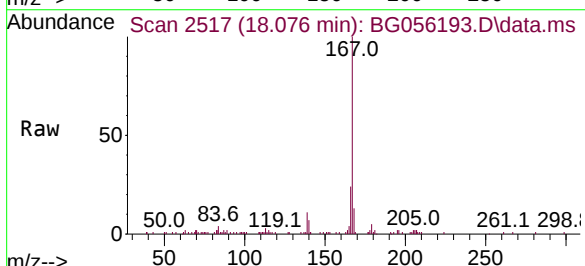
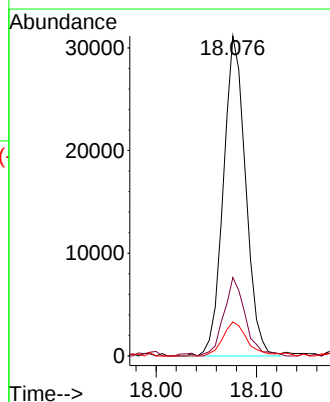
RT: 18.076 min Scan# 2517

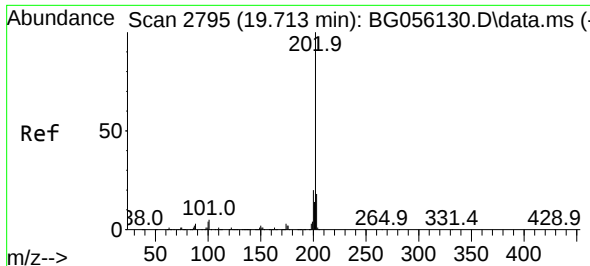
Delta R.T. -0.003 min

Lab File: BG056193.D

Acq: 3 Jan 2023 19:44

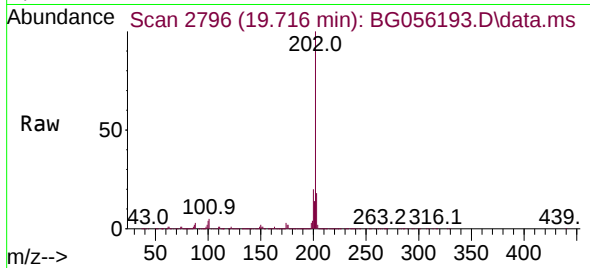
Tgt Ion:167 Resp: 48046
 Ion Ratio Lower Upper
 167 100
 166 24.5 16.8 25.2
 139 10.6 8.9 13.3





#75
Fluoranthene
Concen: 27.891 ng
RT: 19.716 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG056193.D
Acq: 3 Jan 2023 19:44

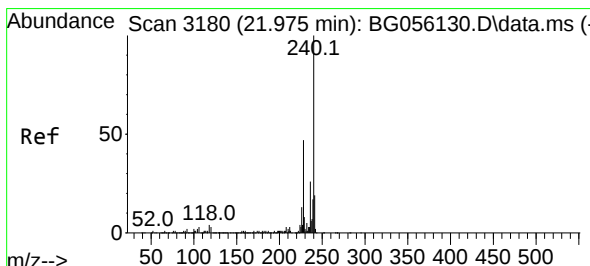
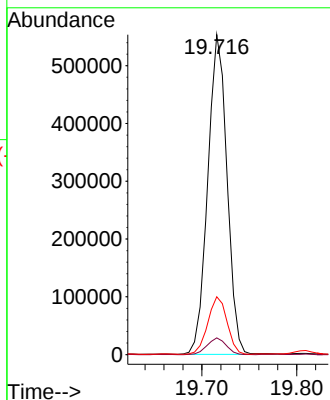
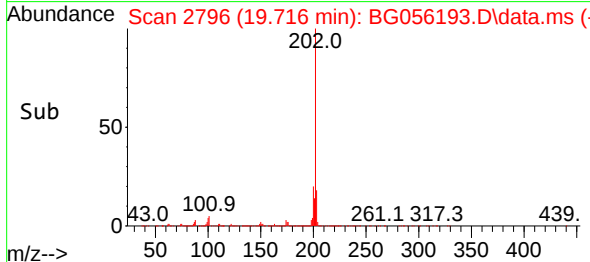
Instrument :
BNA_G
ClientSampleId :
TP-15



Tgt Ion:202 Resp: 782302
Ion Ratio Lower Upper
202 100
101 5.2 0.0 25.0
203 18.1 0.0 38.0

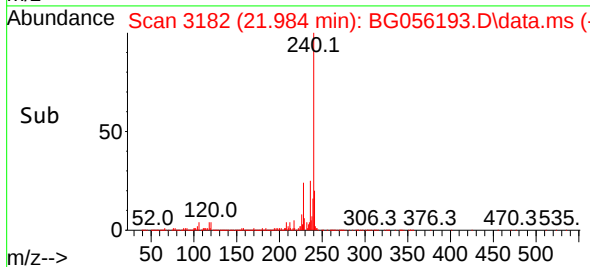
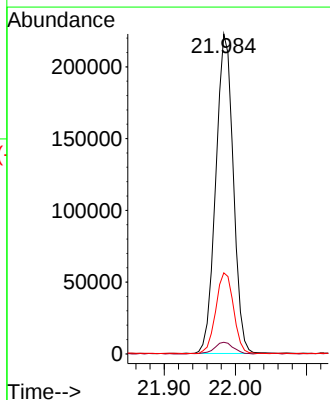
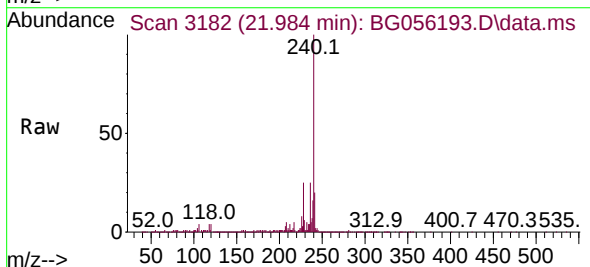
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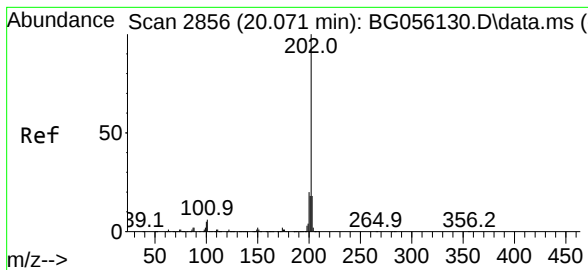
Reviewed By :Jagrut Upadhyay 01/04/2023
Supervised By :Yogesh Patel 01/05/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.984 min Scan# 3182
Delta R.T. -0.003 min
Lab File: BG056193.D
Acq: 3 Jan 2023 19:44

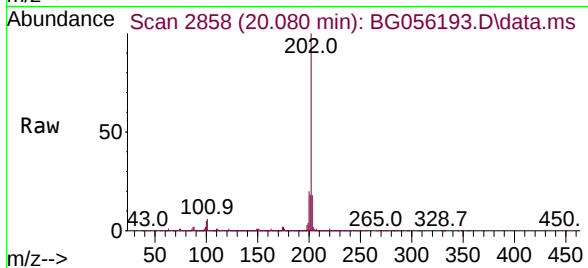
Tgt Ion:240 Resp: 381740
Ion Ratio Lower Upper
240 100
120 3.6 2.6 4.0
236 25.3 20.8 31.2





#78
 Pyrene
 Concen: 26.072 ng
 RT: 20.080 min Scan# 2856
 Delta R.T. 0.003 min
 Lab File: BG056193.D
 Acq: 3 Jan 2023 19:44

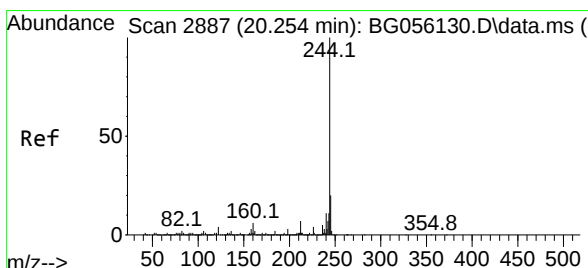
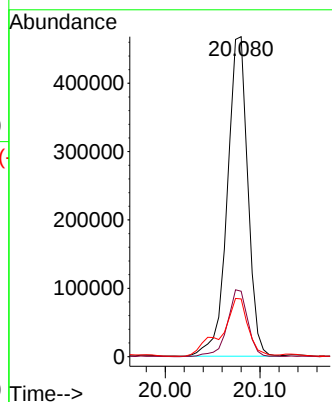
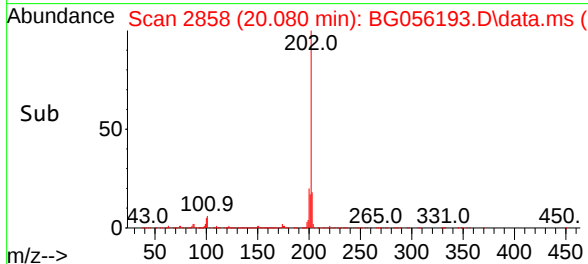
Instrument :
 BNA_G
 ClientSampleId :
 TP-15



Tgt Ion:202 Resp: 701515
 Ion Ratio Lower Upper
 202 100
 200 20.4 16.4 24.6
 203 18.0 14.3 21.5

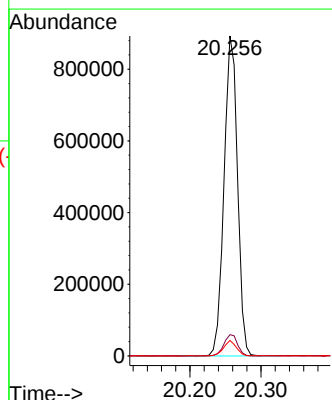
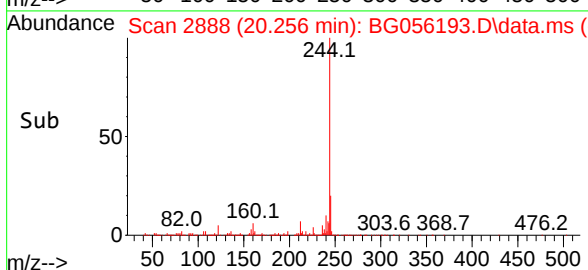
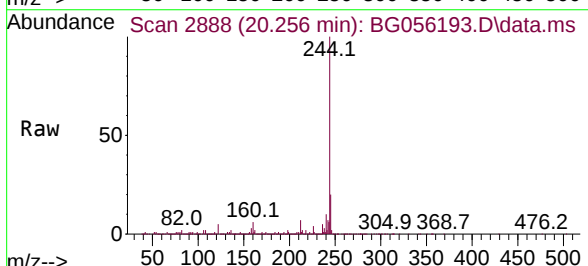
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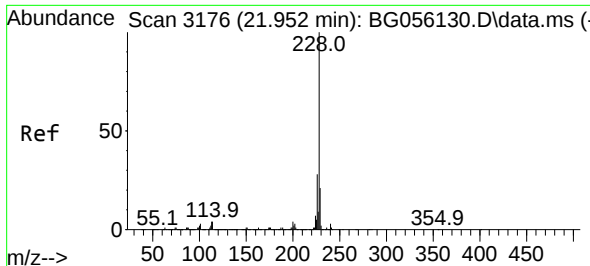
Reviewed By :Jagrut Upadhyay 01/04/2023
 Supervised By :Yogesh Patel 01/05/2023



#79
 Terphenyl-d14
 Concen: 55.204 ng
 RT: 20.256 min Scan# 2888
 Delta R.T. -0.003 min
 Lab File: BG056193.D
 Acq: 3 Jan 2023 19:44

Tgt Ion:244 Resp: 1176613
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.7 8.5
 122 4.8 3.5 5.3





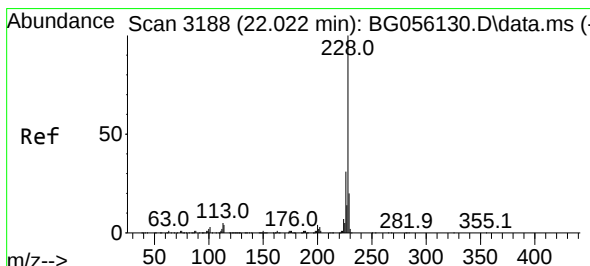
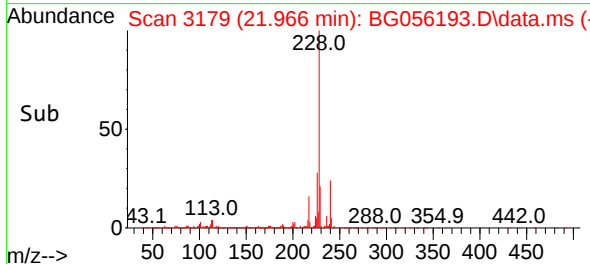
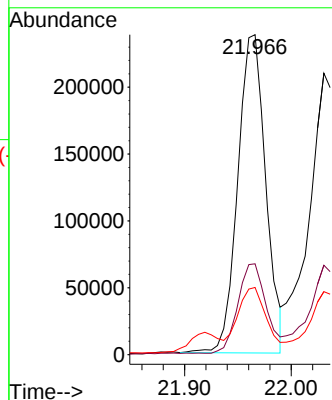
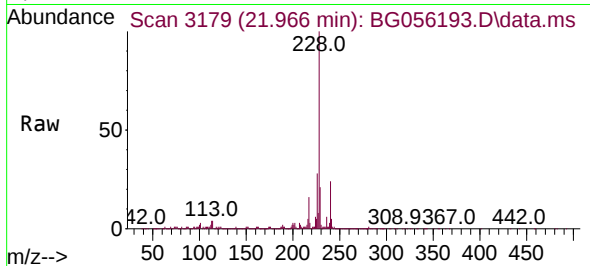
#81
Benzo(a)anthracene
Concen: 16.180 ng
RT: 21.966 min Scan# 3179
Delta R.T. 0.003 min
Lab File: BG056193.D
Acq: 3 Jan 2023 19:44

Instrument :
BNA_G
ClientSampleId :
TP-15

Tgt Ion:228 Resp: 433815
Ion Ratio Lower Upper
228 100
226 28.4 22.6 34.0
229 21.0 16.9 25.3

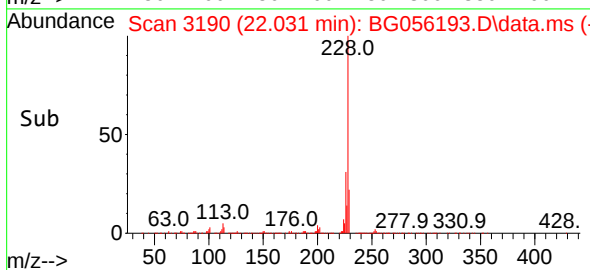
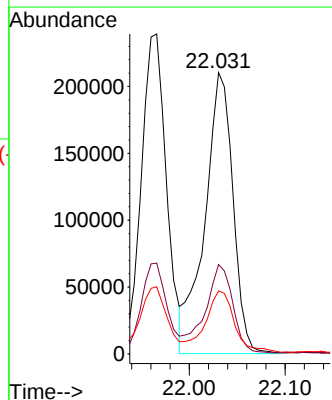
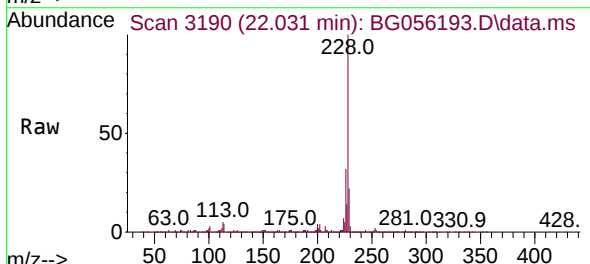
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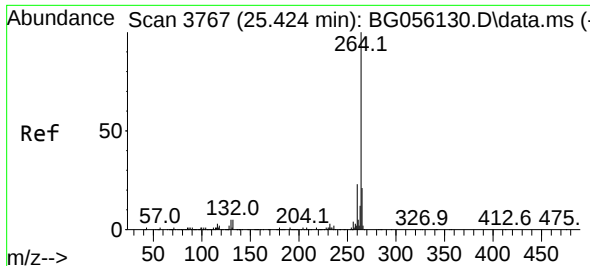
Reviewed By :Jagrut Upadhyay 01/04/2023
Supervised By :Yogesh Patel 01/05/2023



#83
Chrysene
Concen: 17.140 ng m
RT: 22.031 min Scan# 3190
Delta R.T. -0.003 min
Lab File: BG056193.D
Acq: 3 Jan 2023 19:44

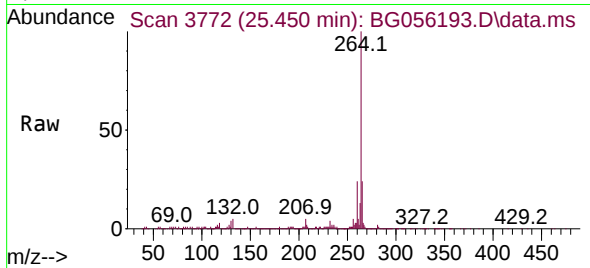
Tgt Ion:228 Resp: 430471
Ion Ratio Lower Upper
228 100
226 31.8 24.6 36.8
229 22.4 15.8 23.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.450 min Scan# 3772
 Delta R.T. 0.003 min
 Lab File: BG056193.D
 Acq: 3 Jan 2023 19:44

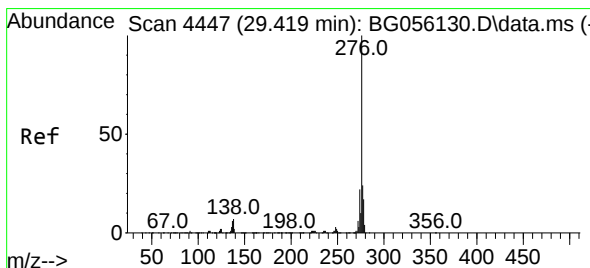
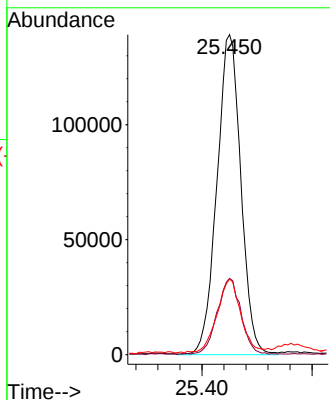
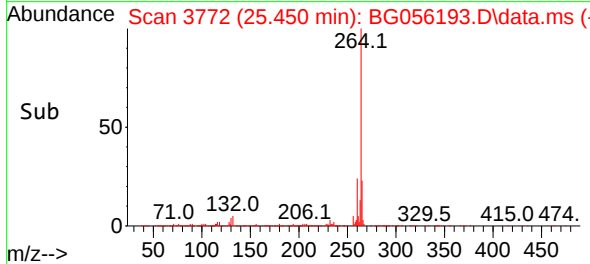
Instrument :
 BNA_G
 ClientSampleId :
 TP-15



Tgt Ion:264 Resp: 420323
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.6 28.0
 265 23.6 16.7 25.1

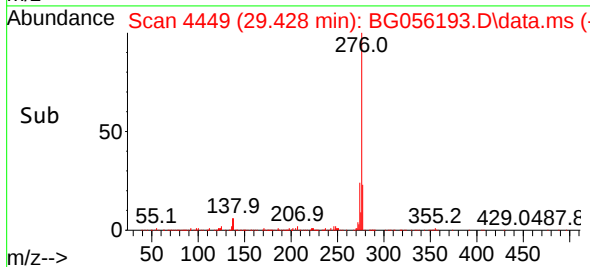
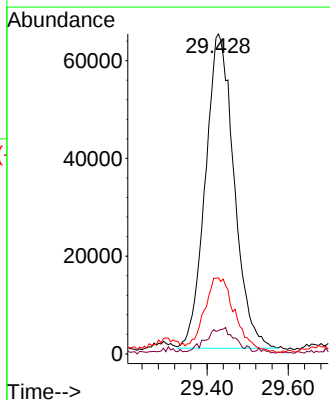
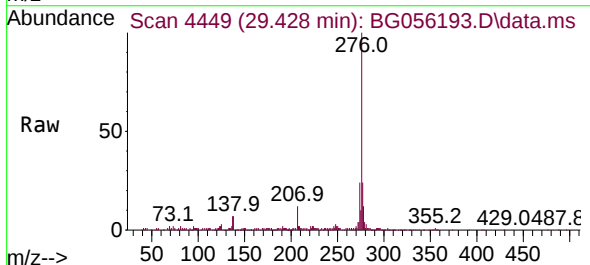
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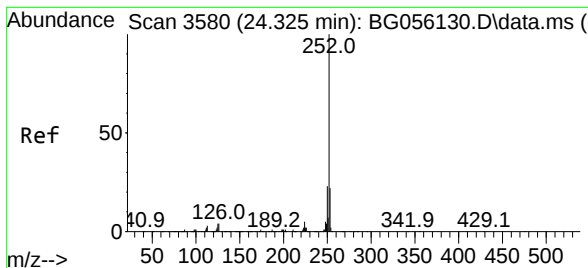
Reviewed By :Jagrut Upadhyay 01/04/2023
 Supervised By :Yogesh Patel 01/05/2023



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 10.315 ng
 RT: 29.428 min Scan# 4449
 Delta R.T. -0.009 min
 Lab File: BG056193.D
 Acq: 3 Jan 2023 19:44

Tgt Ion:276 Resp: 315305
 Ion Ratio Lower Upper
 276 100
 138 8.0 5.0 7.4#
 277 25.8 20.5 30.7





#88

Benzo(b)fluoranthene

Concen: 22.942 ng

RT: 24.340 min Scan# 3583

Delta R.T. -0.003 min

Lab File: BG056193.D

Acq: 3 Jan 2023 19:44

Instrument :

BNA_G

ClientSampleId :

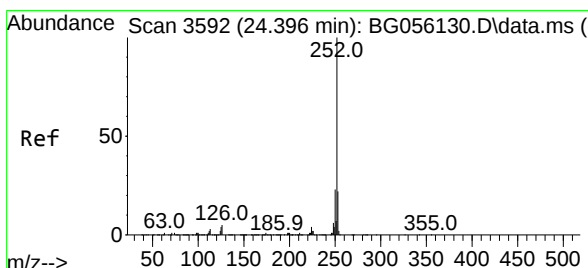
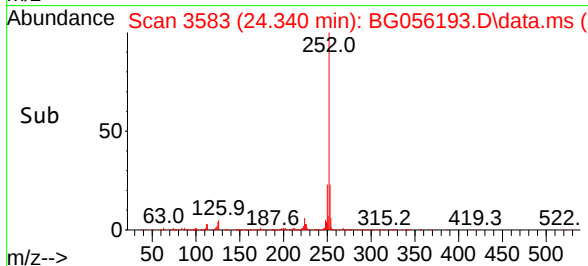
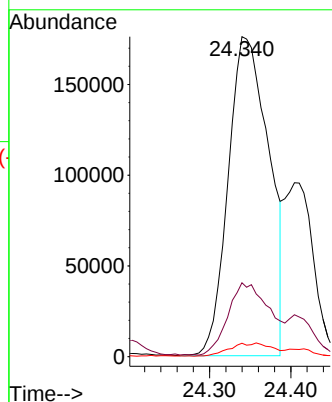
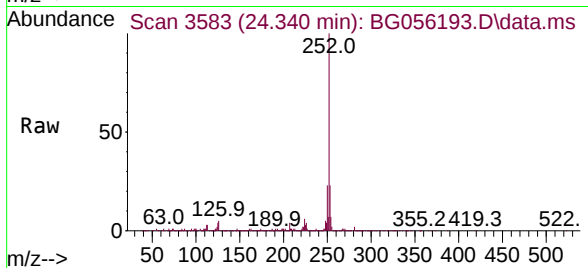
TP-15

Tgt Ion:252 Resp: 612678
 Ion Ratio Lower Upper
 252 100
 253 23.1 17.4 26.2
 125 4.2 3.0 4.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 01/04/2023
 Supervised By :Yogesh Patel 01/05/2023



#89

Benzo(k)fluoranthene

Concen: 8.754 ng m

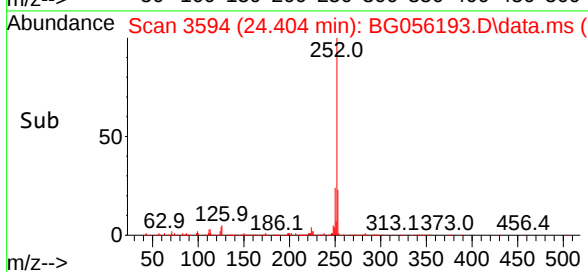
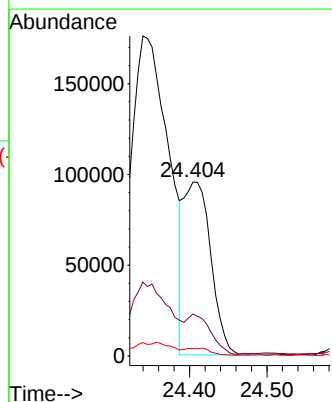
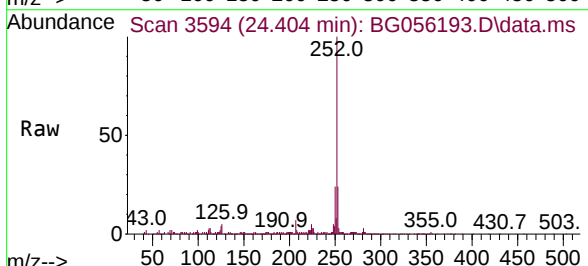
RT: 24.404 min Scan# 3594

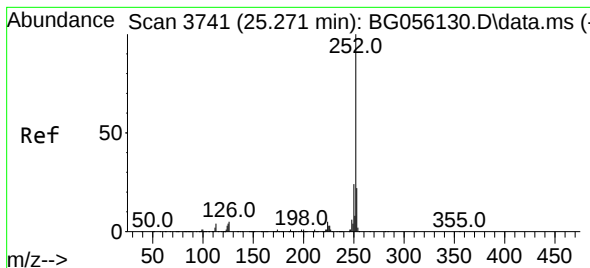
Delta R.T. -0.009 min

Lab File: BG056193.D

Acq: 3 Jan 2023 19:44

Tgt Ion:252 Resp: 232813
 Ion Ratio Lower Upper
 252 100
 253 24.0 17.5 26.3
 125 4.2 3.4 5.0





#90

Benzo(a)pyrene

Concen: 18.205 ng

RT: 25.280 min Scan# 31

Delta R.T. -0.003 min

Lab File: BG056193.D

Acq: 3 Jan 2023 19:44

Instrument :

BNA_G

ClientSampleId :

TP-15

Tgt Ion:252 Resp: 474209

Ion Ratio Lower Upper

252 100

253 23.7 17.4 26.2

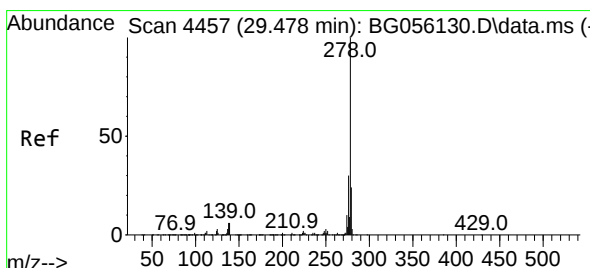
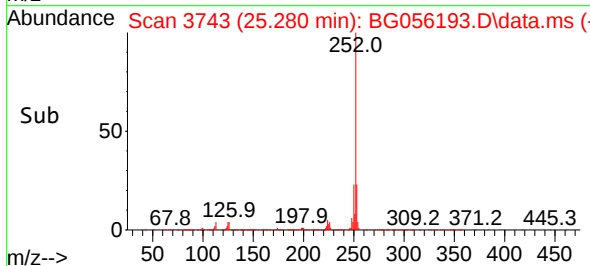
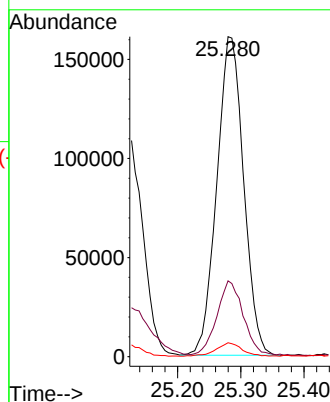
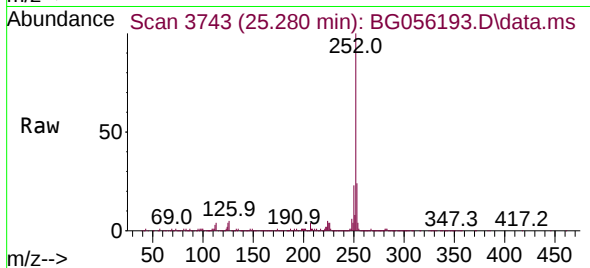
125 4.3 3.2 4.8

Manual Integrations

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Reviewed By :Jagrut Upadhyay 01/04/2023

Supervised By :Yogesh Patel 01/05/2023



#91

Dibenzo(a,h)anthracene

Concen: 3.376 ng m

RT: 29.469 min Scan# 4456

Delta R.T. -0.033 min

Lab File: BG056193.D

Acq: 3 Jan 2023 19:44

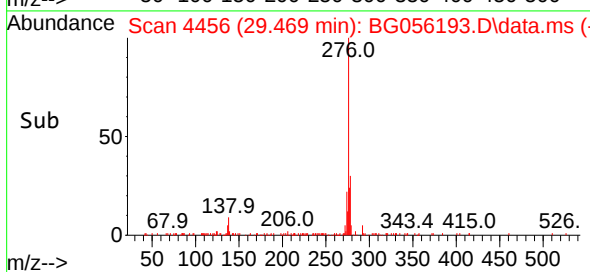
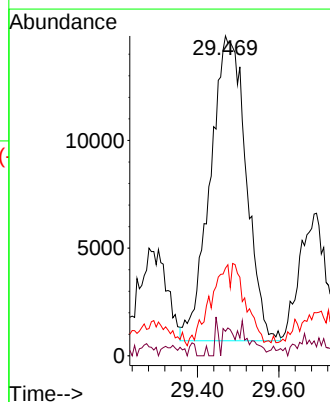
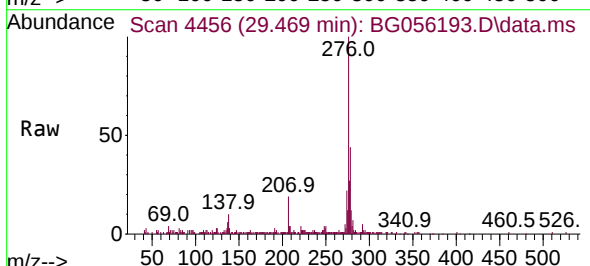
Tgt Ion:278 Resp: 86519

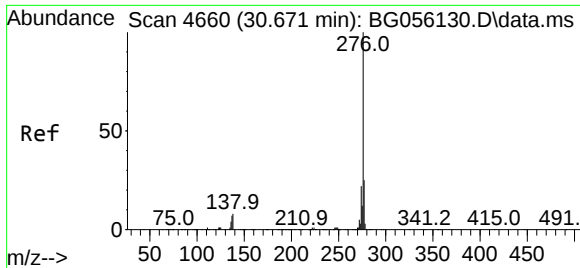
Ion Ratio Lower Upper

278 100

139 7.7 4.8 7.2#

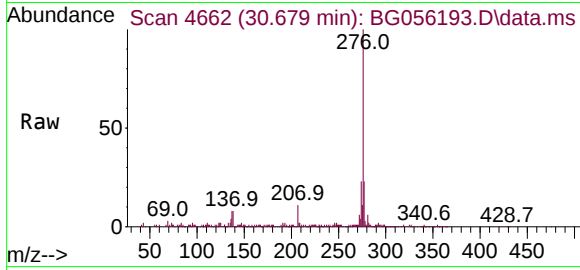
279 27.4 19.0 28.4





#92
 Benzo(g,h,i)perylene
 Concen: 12.782 ng
 RT: 30.679 min Scan# 4662
 Delta R.T. -0.009 min
 Lab File: BG056193.D
 Acq: 3 Jan 2023 19:44

Instrument :
 BNA_G
 ClientSampleId :
 TP-15



Tgt Ion:276 Resp: 317676
 Ion Ratio Lower Upper
 276 100
 277 23.5 19.7 29.5
 138 7.9 6.7 10.1

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 01/04/2023
 Supervised By :Yogesh Patel 01/05/2023

