

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020923\
 Data File : BG056601.D
 Acq On : 9 Feb 2023 17:33
 Operator : CG/JU
 Sample : 01481-15DL 10X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JPP-48-020723DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/10/2023
 Supervised By : Jagrut Upadhyay 02/10/2023

Quant Time: Feb 10 00:15:58 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 08 03:02:11 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.265	152	40294	20.000	ng	# 0.00
21) Naphthalene-d8	11.097	136	156884	20.000	ng	0.00
39) Acenaphthene-d10	14.887	164	113942	20.000	ng	0.00
64) Phenanthrene-d10	17.630	188	257933	20.000	ng	0.00
76) Chrysene-d12	21.920	240	237879	20.000	ng	0.00
86) Perylene-d12	25.345	264	266749	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.791	112	21015	9.594	ng	0.00
7) Phenol-d6	7.425	99	29732	9.161	ng	0.00
23) Nitrobenzene-d5	9.446	82	15783	5.713	ng	0.00
42) 2,4,6-Tribromophenol	16.379	330	11828	7.808	ng	0.00
45) 2-Fluorobiphenyl	13.512	172	55606	6.766	ng	0.00
79) Terphenyl-d14	20.204	244	90475	6.680	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.672	178	215765	15.983	ng	98
72) Anthracene	17.760	178	50434	3.639	ng	99
75) Fluoranthene	19.663	202	408593	23.981	ng	100
78) Pyrene	20.028	202	394623	23.325	ng	99
81) Benzo(a)anthracene	21.896	228	219237	13.183	ng	98
83) Chrysene	21.967	228	199228	12.751	ng	98
87) Indeno(1,2,3-cd)pyrene	29.282	276	121047	6.199	ng	# 95
88) Benzo(b)fluoranthene	24.246	252	269854	16.299	ng	100
89) Benzo(k)fluoranthene	24.317	252	78654m	4.705	ng	
90) Benzo(a)pyrene	25.180	252	202763	12.432	ng	98
92) Benzo(g,h,i)perylene	30.521	276	117261	7.415	ng	99

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

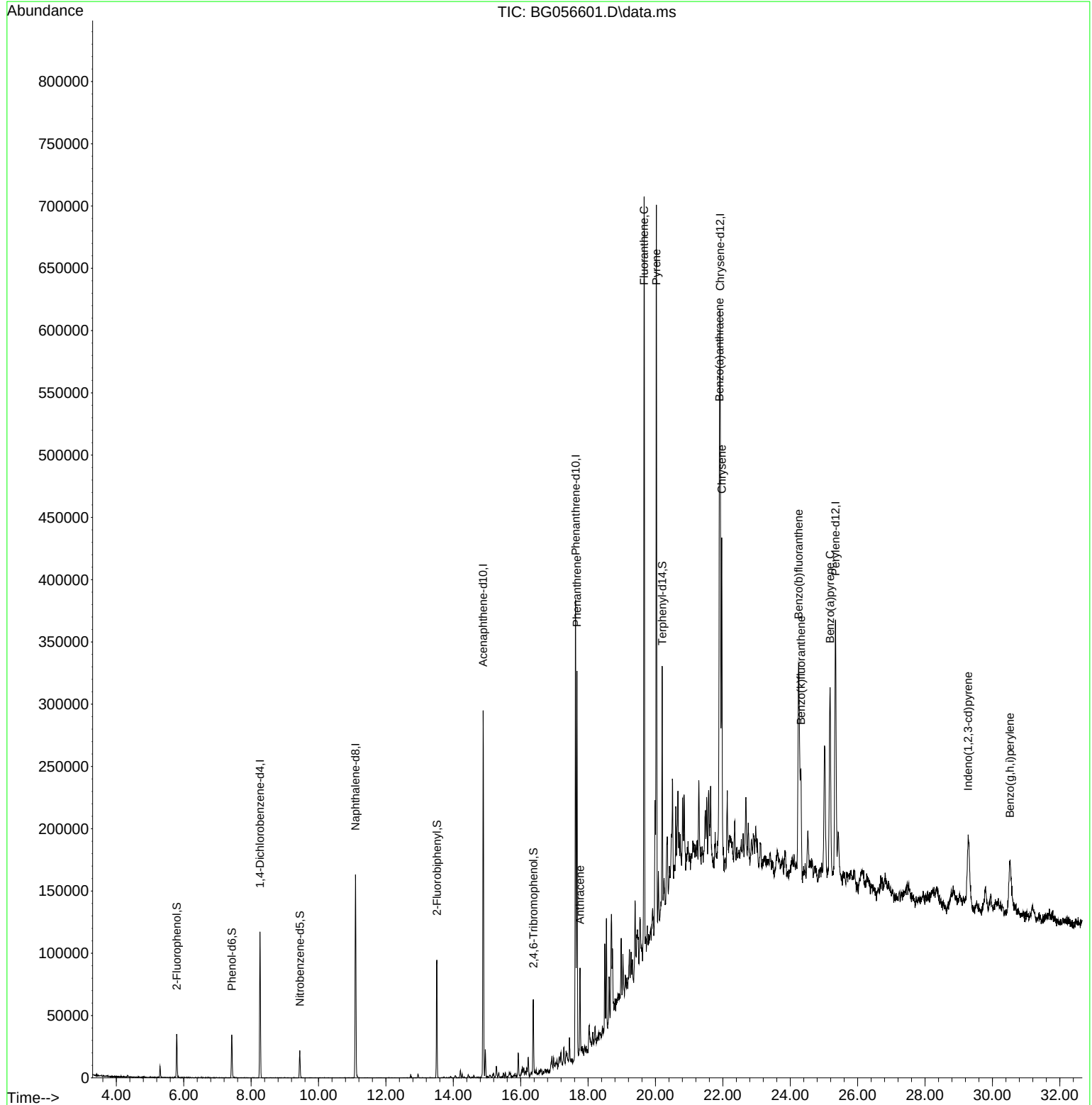
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020923\
Data File : BG056601.D
Acq On : 9 Feb 2023 17:33
Operator : CG/JU
Sample : 01481-15DL 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

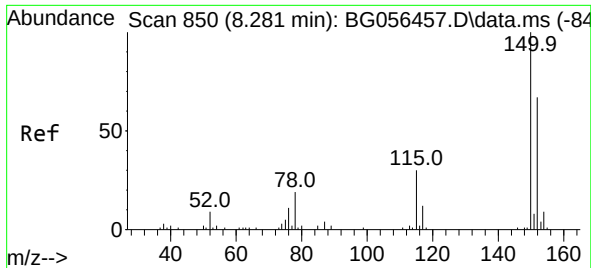
Instrument :
BNA_G
ClientSampleId :
JPP-48-020723DL

Quant Time: Feb 10 00:15:58 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 08 03:02:11 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

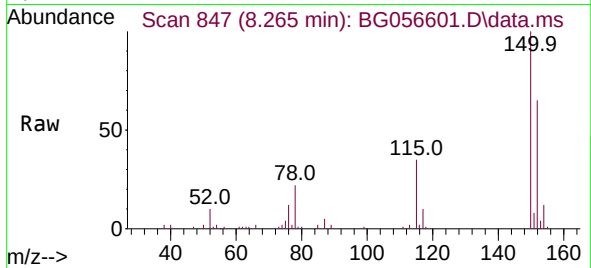
Reviewed By : Christian Giraldo 02/10/2023
Supervised By : Jagrut Upadhyay 02/10/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.265 min Scan# 84
Delta R.T. -0.004 min
Lab File: BG056601.D
Acq: 9 Feb 2023 17:33

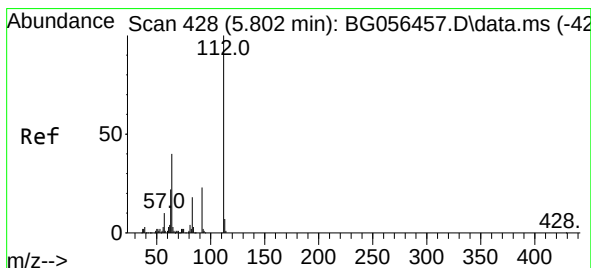
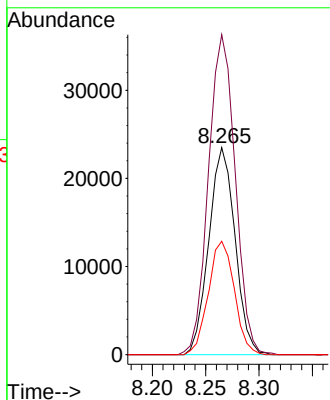
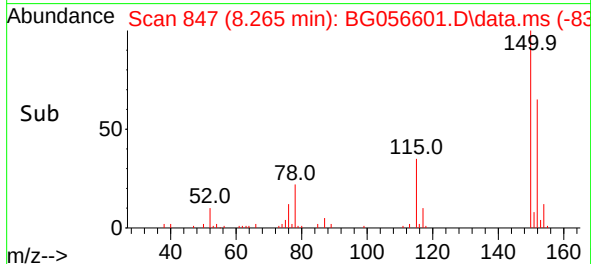
Instrument :
BNA_G
ClientSampleId :
JPP-48-020723DL



Tgt Ion:152 Resp: 40294
Ion Ratio Lower Upper
152 100
150 154.6 120.2 180.4
115 54.8 36.3 54.5

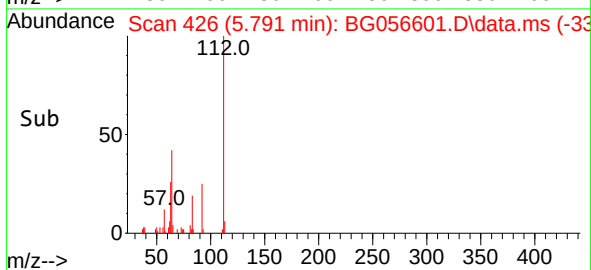
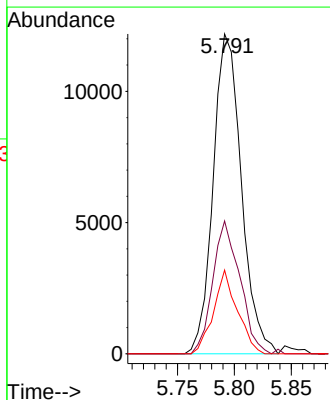
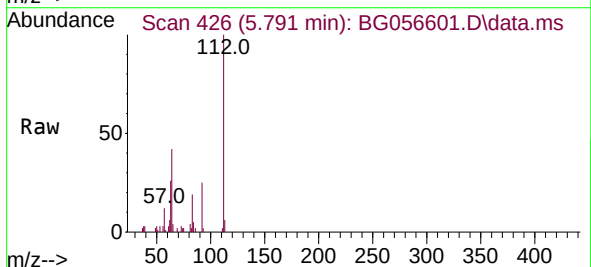
Manual Integrations
APPROVED

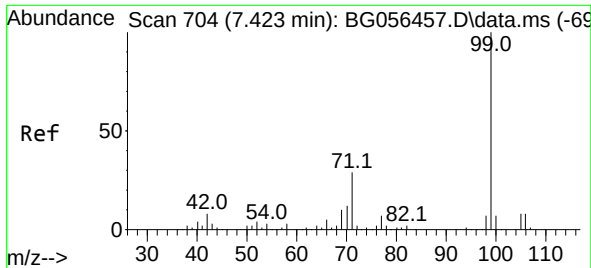
Reviewed By :Christian Giraldo 02/10/2023
Supervised By :Jagrut Upadhyay 02/10/2023



#5
2-Fluorophenol
Concen: 9.594 ng
RT: 5.791 min Scan# 426
Delta R.T. 0.001 min
Lab File: BG056601.D
Acq: 9 Feb 2023 17:33

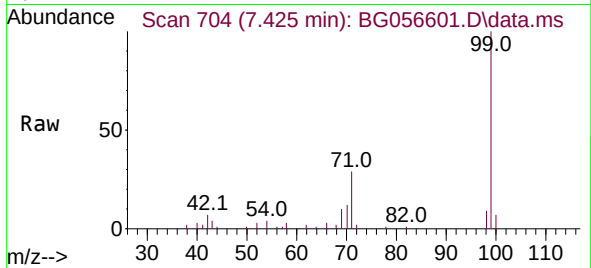
Tgt Ion:112 Resp: 21015
Ion Ratio Lower Upper
112 100
64 41.5 31.9 47.9
63 26.2 17.4 26.0





#7
Phenol-d6
Concen: 9.161 ng
RT: 7.425 min Scan# 704
Delta R.T. 0.007 min
Lab File: BG056601.D
Acq: 9 Feb 2023 17:33

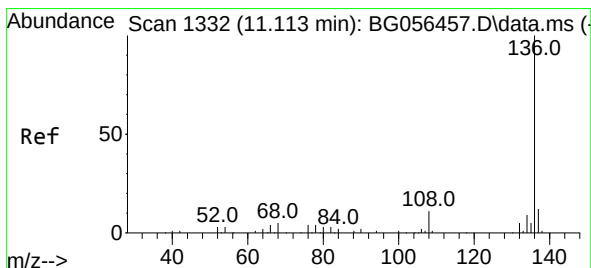
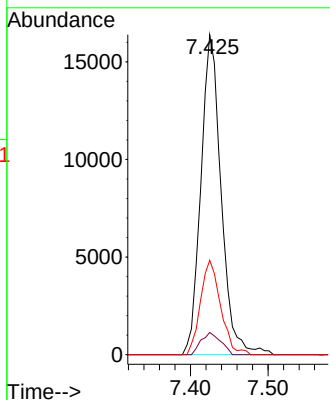
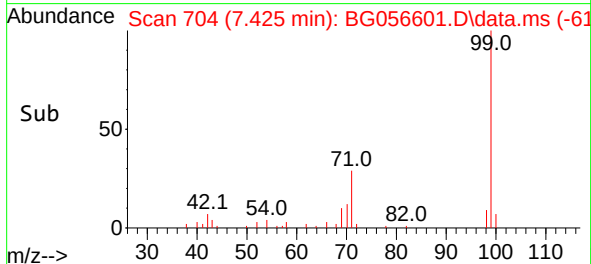
Instrument :
BNA_G
ClientSampleId :
JPP-48-020723DL



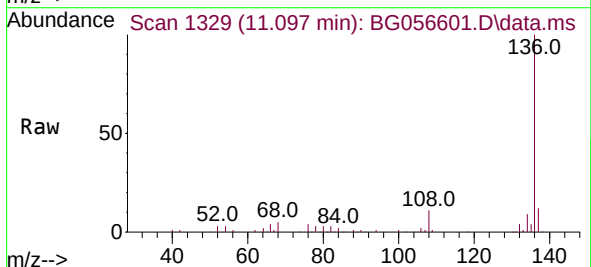
Tgt Ion: 99 Resp: 29732
Ion Ratio Lower Upper
99 100
42 7.0 6.6 10.0
71 29.5 23.4 35.0

Manual Integrations
APPROVED

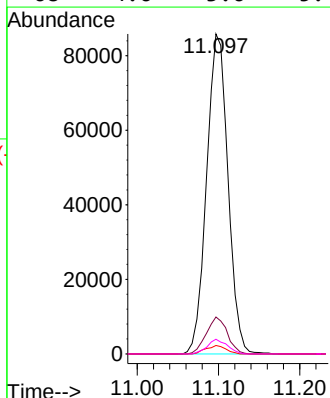
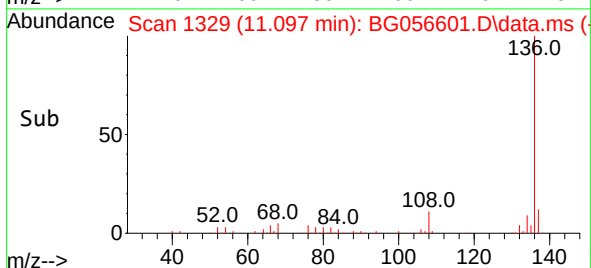
Reviewed By :Christian Giraldo 02/10/2023
Supervised By :Jagrut Upadhyay 02/10/2023

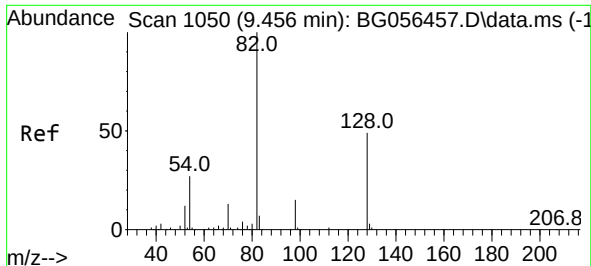


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.097 min Scan# 1329
Delta R.T. -0.004 min
Lab File: BG056601.D
Acq: 9 Feb 2023 17:33



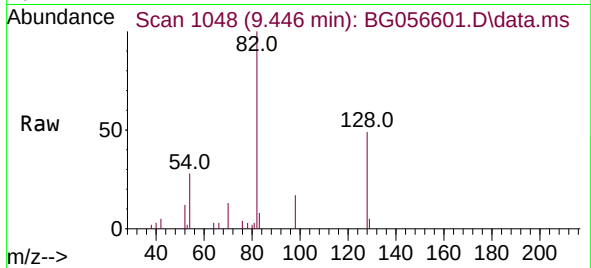
Tgt Ion:136 Resp: 156884
Ion Ratio Lower Upper
136 100
137 11.5 9.4 14.0
54 2.6 2.2 3.4
68 4.6 3.6 5.4





#23
Nitrobenzene-d5
Concen: 5.713 ng
RT: 9.446 min Scan# 1048
Delta R.T. 0.001 min
Lab File: BG056601.D
Acq: 9 Feb 2023 17:33

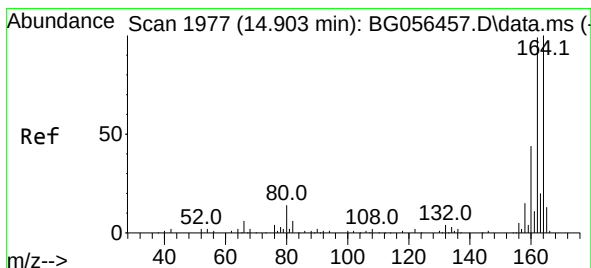
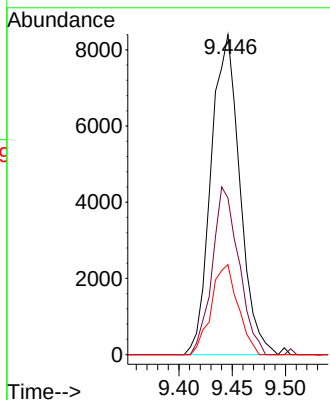
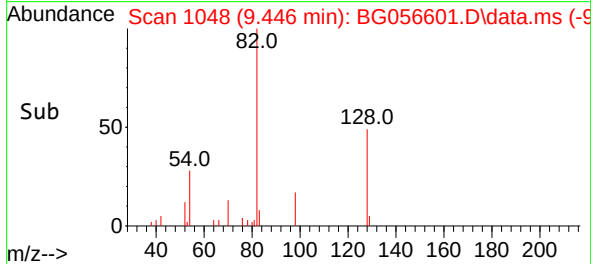
Instrument :
BNA_G
ClientSampleId :
JPP-48-020723DL



Tgt Ion: 82 Resp: 15783
Ion Ratio Lower Upper
82 100
128 48.9 39.4 59.2
54 28.1 21.4 32.2

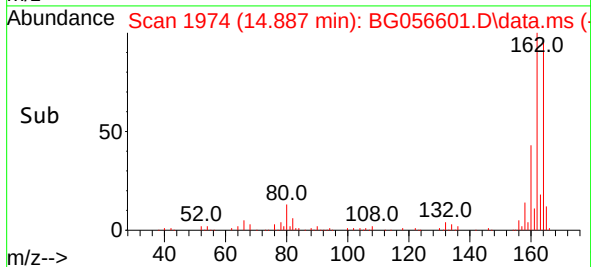
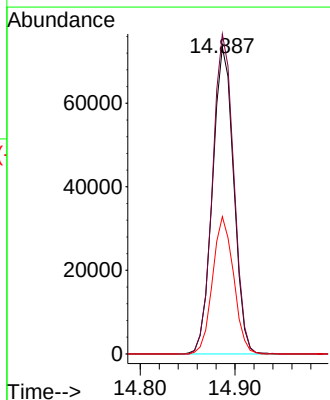
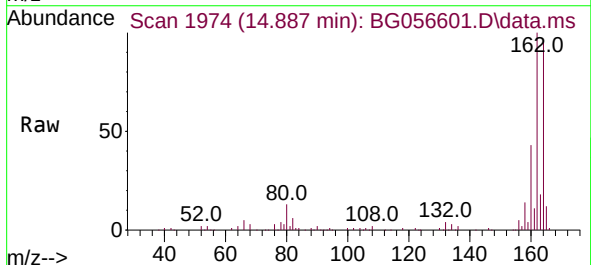
Manual Integrations
APPROVED

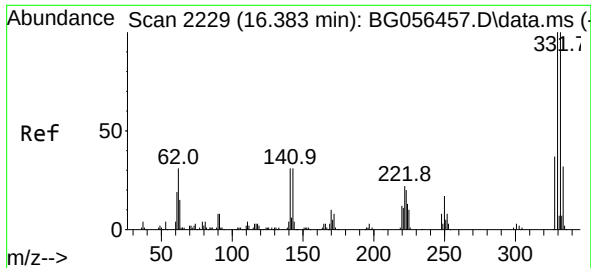
Reviewed By :Christian Giraldo 02/10/2023
Supervised By :Jagrut Upadhyay 02/10/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.887 min Scan# 1974
Delta R.T. -0.004 min
Lab File: BG056601.D
Acq: 9 Feb 2023 17:33

Tgt Ion:164 Resp: 113942
Ion Ratio Lower Upper
164 100
162 104.3 79.6 119.4
160 44.7 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 7.808 ng
RT: 16.379 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG056601.D
Acq: 9 Feb 2023 17:33

Instrument :

BNA_G

ClientSampleId :

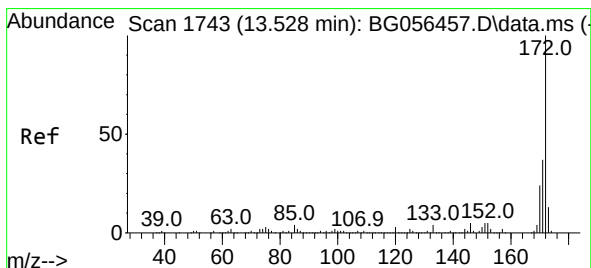
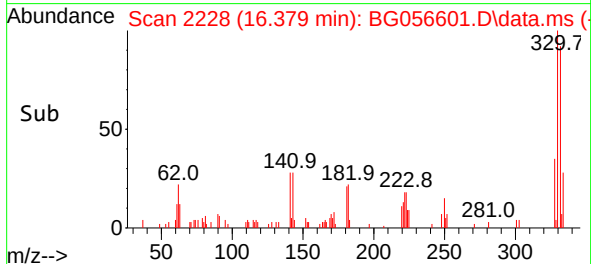
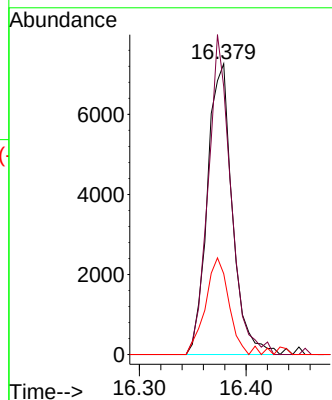
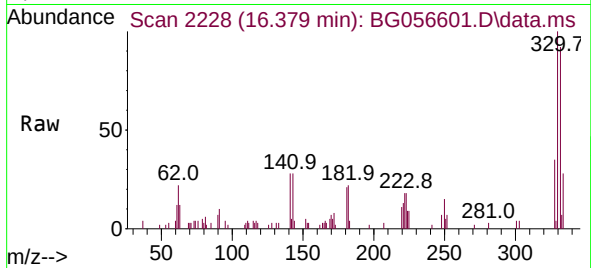
JPP-48-020723DL

Tgt Ion:330 Resp: 11828
Ion Ratio Lower Upper
330 100
332 100.3 79.0 118.6
141 31.0 24.2 36.4

Manual Integrations

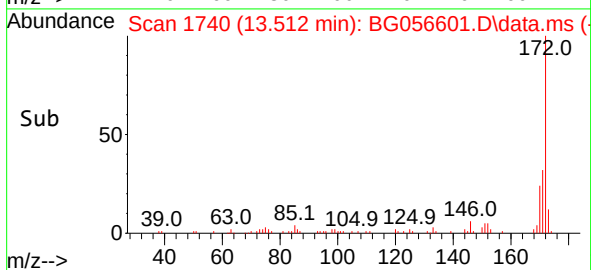
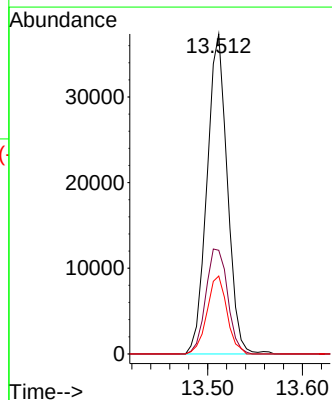
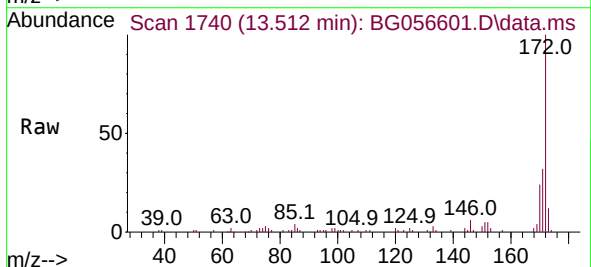
APPROVED

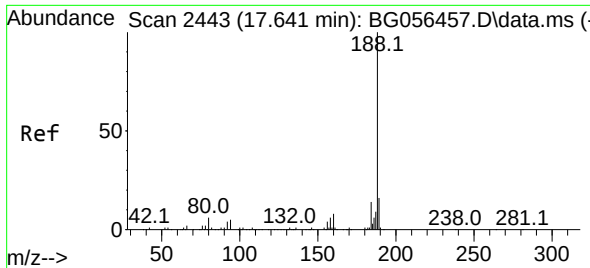
Reviewed By :Christian Giraldo 02/10/2023
Supervised By :Jagrut Upadhyay 02/10/2023



#45
2-Fluorobiphenyl
Concen: 6.766 ng
RT: 13.512 min Scan# 1740
Delta R.T. -0.004 min
Lab File: BG056601.D
Acq: 9 Feb 2023 17:33

Tgt Ion:172 Resp: 55606
Ion Ratio Lower Upper
172 100
171 32.4 29.5 44.3
170 24.3 19.2 28.8





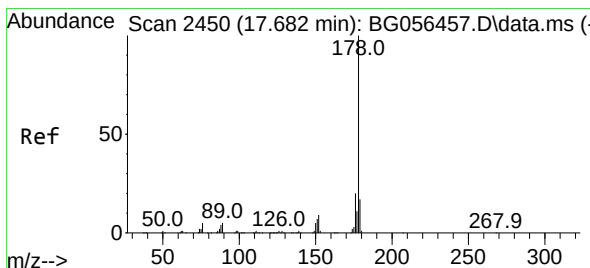
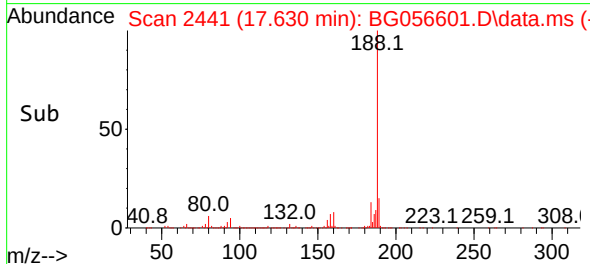
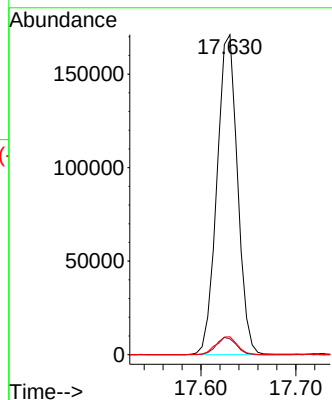
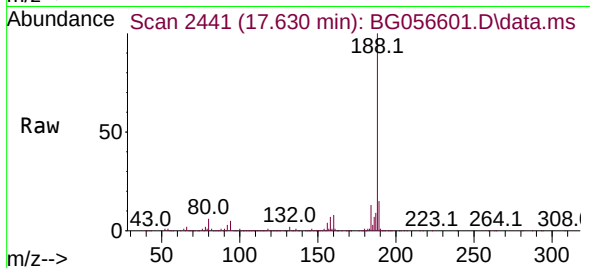
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.630 min Scan# 2443
Delta R.T. 0.001 min
Lab File: BG056601.D
Acq: 9 Feb 2023 17:33

Instrument :
BNA_G
ClientSampleId :
JPP-48-020723DL

Tgt Ion:188 Resp: 257933
Ion Ratio Lower Upper
188 100
94 4.9 4.1 6.1
80 5.6 5.0 7.4

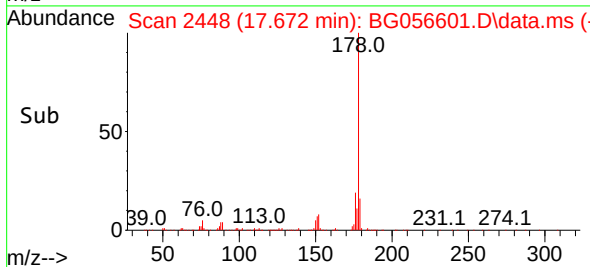
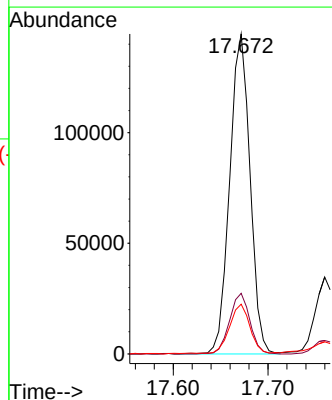
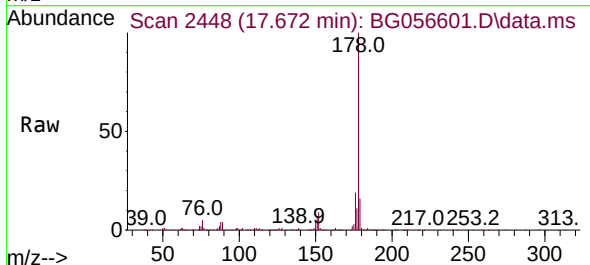
Manual Integrations
APPROVED

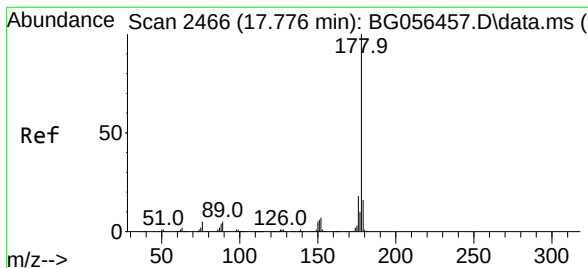
Reviewed By :Christian Giraldo 02/10/2023
Supervised By :Jagrut Upadhyay 02/10/2023



#71
Phenanthrene
Concen: 15.983 ng
RT: 17.672 min Scan# 2448
Delta R.T. 0.001 min
Lab File: BG056601.D
Acq: 9 Feb 2023 17:33

Tgt Ion:178 Resp: 215765
Ion Ratio Lower Upper
178 100
176 18.9 15.6 23.4
179 15.5 13.3 19.9





#72

Anthracene

Concen: 3.639 ng

RT: 17.760 min Scan# 24

Delta R.T. -0.004 min

Lab File: BG056601.D

Acq: 9 Feb 2023 17:33

Instrument :

BNA_G

ClientSampleId :

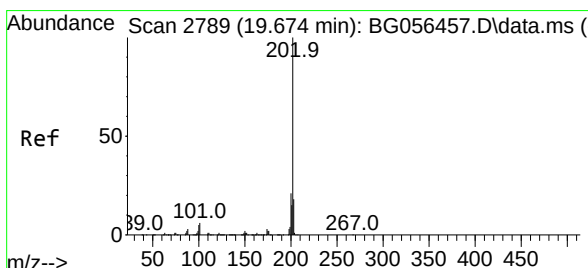
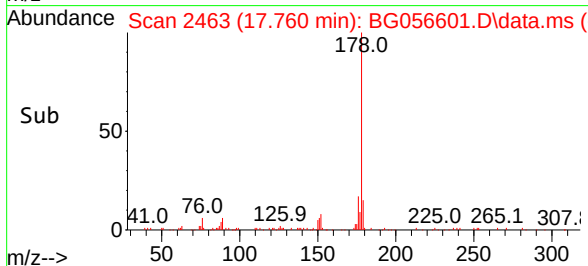
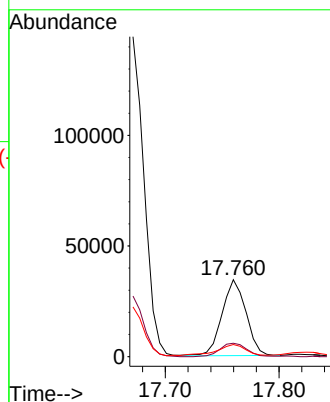
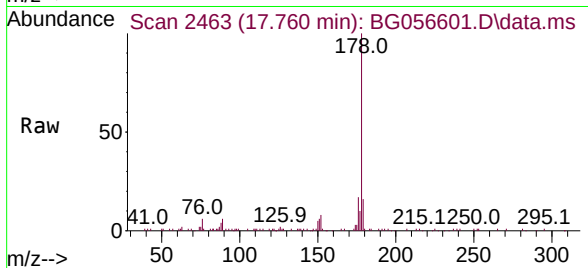
JPP-48-020723DL

Tgt Ion:178 Resp: 50434
 Ion Ratio Lower Upper
 178 100
 176 17.3 14.5 21.7
 179 15.7 12.5 18.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/10/2023
 Supervised By :Jagrut Upadhyay 02/10/2023



#75

Fluoranthene

Concen: 23.981 ng

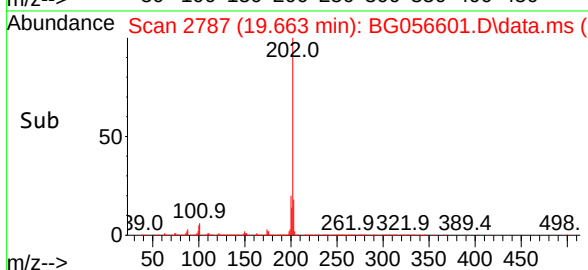
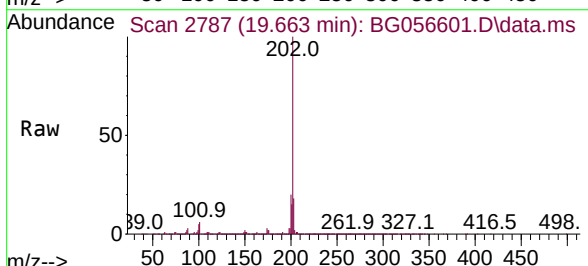
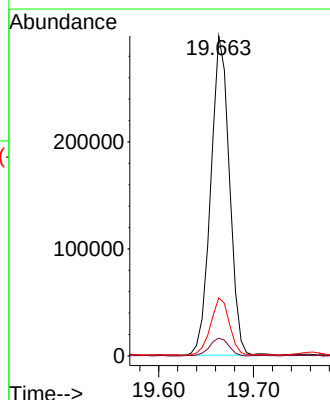
RT: 19.663 min Scan# 2787

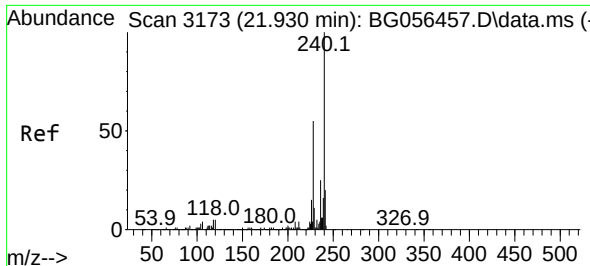
Delta R.T. -0.004 min

Lab File: BG056601.D

Acq: 9 Feb 2023 17:33

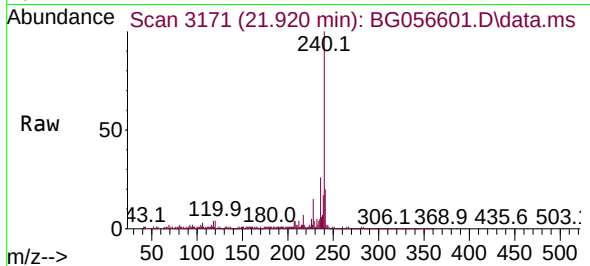
Tgt Ion:202 Resp: 408593
 Ion Ratio Lower Upper
 202 100
 101 5.5 0.0 25.6
 203 18.1 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.920 min Scan# 3173
Delta R.T. -0.004 min
Lab File: BG056601.D
Acq: 9 Feb 2023 17:33

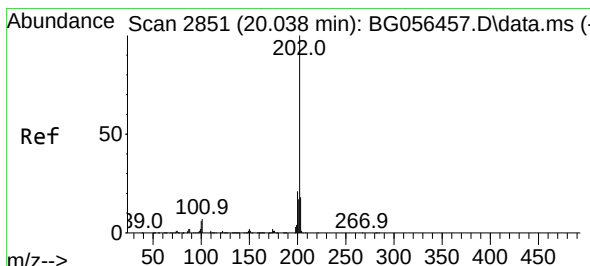
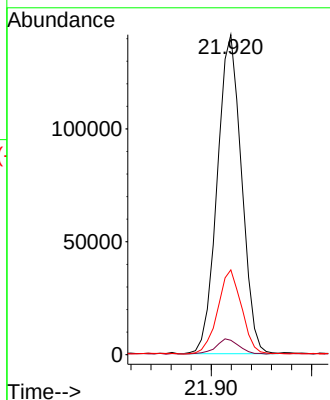
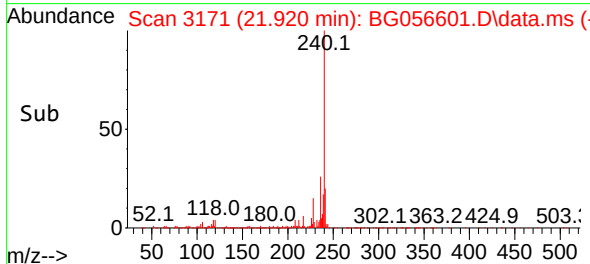
Instrument :
BNA_G
ClientSampleId :
JPP-48-020723DL



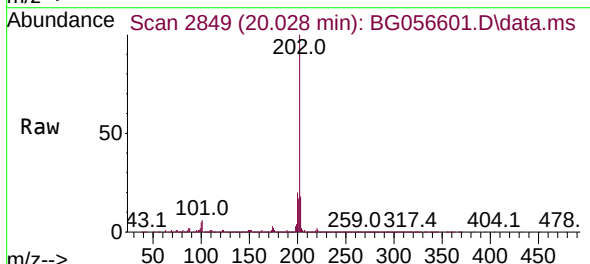
Tgt Ion:240 Resp: 237879
Ion Ratio Lower Upper
240 100
120 4.5 3.8 5.8
236 26.5 20.2 30.2

Manual Integrations
APPROVED

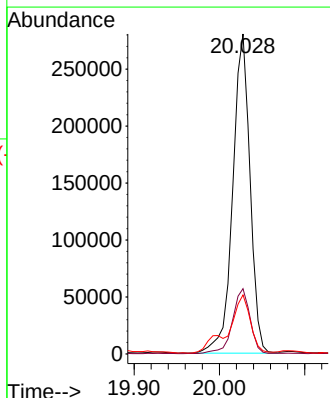
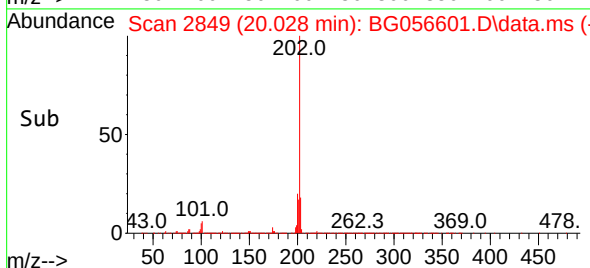
Reviewed By :Christian Giraldo 02/10/2023
Supervised By :Jagrut Upadhyay 02/10/2023

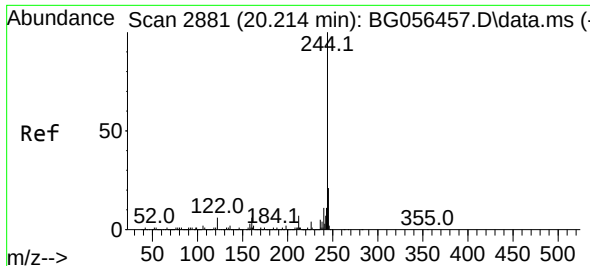


#78
Pyrene
Concen: 23.325 ng
RT: 20.028 min Scan# 2849
Delta R.T. 0.001 min
Lab File: BG056601.D
Acq: 9 Feb 2023 17:33



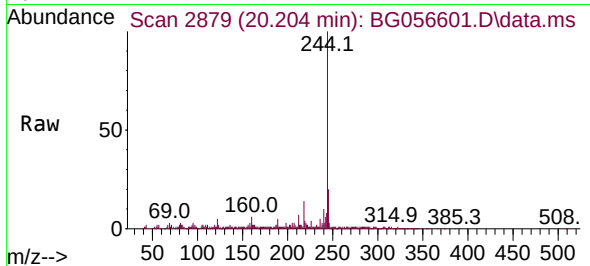
Tgt Ion:202 Resp: 394623
Ion Ratio Lower Upper
202 100
200 20.4 16.7 25.1
203 18.4 14.4 21.6





#79
 Terphenyl-d14
 Concen: 6.680 ng
 RT: 20.204 min Scan# 2881
 Delta R.T. -0.004 min
 Lab File: BG056601.D
 Acq: 9 Feb 2023 17:33

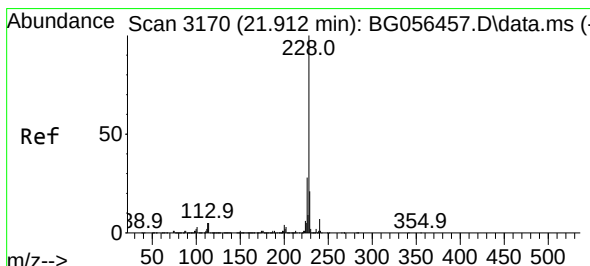
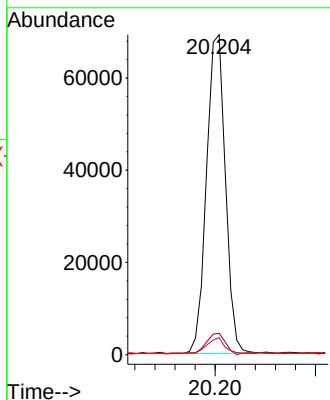
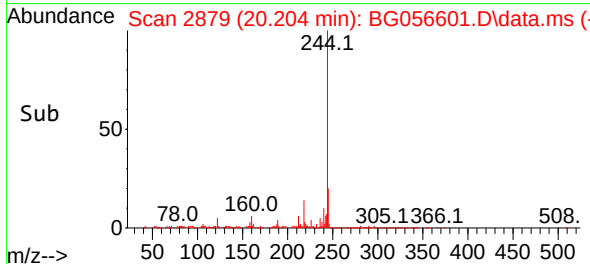
Instrument :
 BNA_G
 ClientSampleId :
 JPP-48-020723DL



Tgt Ion:244 Resp: 90475
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.5 8.3
 122 5.3 4.4 6.6

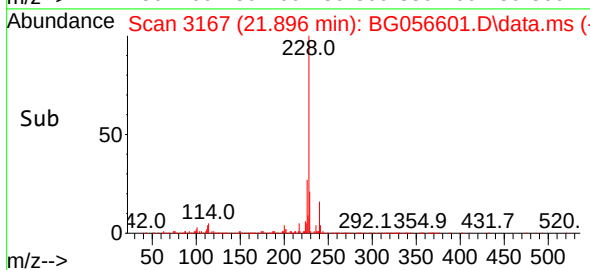
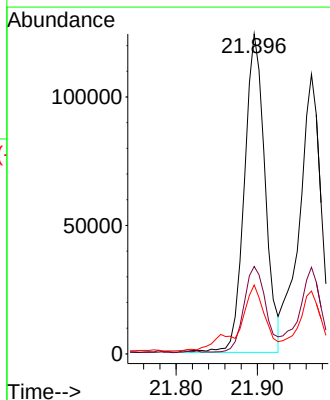
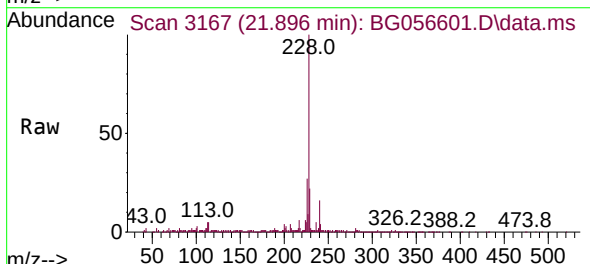
Manual Integrations
 APPROVED

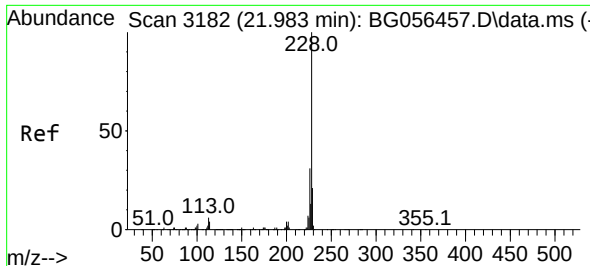
Reviewed By :Christian Giraldo 02/10/2023
 Supervised By :Jagrut Upadhyay 02/10/2023



#81
 Benzo(a)anthracene
 Concen: 13.183 ng
 RT: 21.896 min Scan# 3167
 Delta R.T. -0.004 min
 Lab File: BG056601.D
 Acq: 9 Feb 2023 17:33

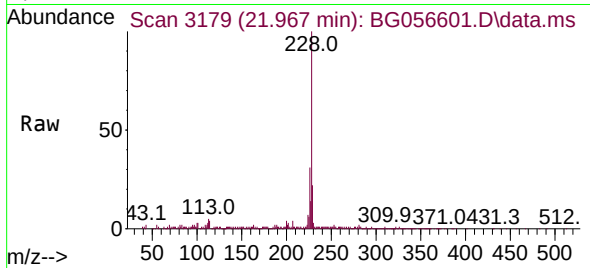
Tgt Ion:228 Resp: 219237
 Ion Ratio Lower Upper
 228 100
 226 27.3 22.4 33.6
 229 21.5 16.5 24.7





#83
Chrysene
Concen: 12.751 ng
RT: 21.967 min Scan# 3182
Delta R.T. -0.004 min
Lab File: BG056601.D
Acq: 9 Feb 2023 17:33

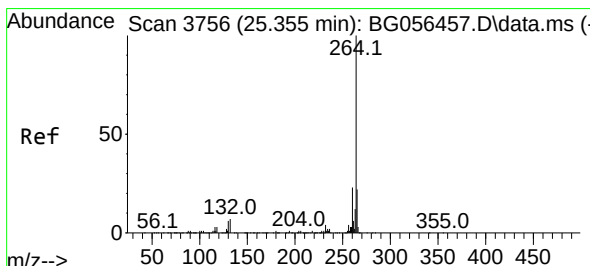
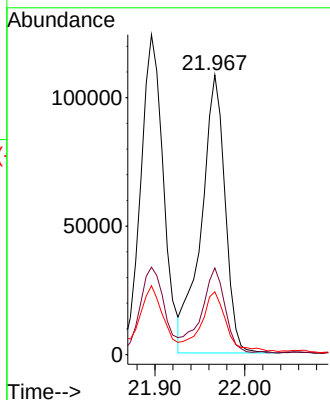
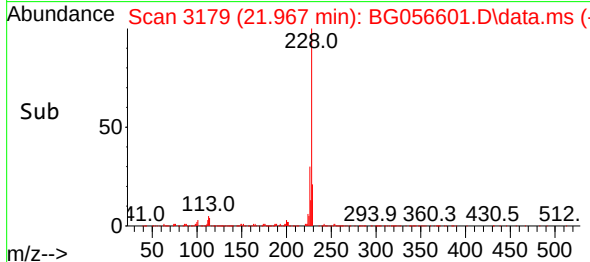
Instrument :
BNA_G
ClientSampleId :
JPP-48-020723DL



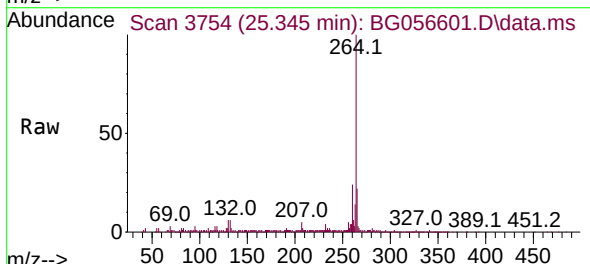
Tgt Ion:228 Resp: 199228
Ion Ratio Lower Upper
228 100
226 31.0 25.0 37.4
229 22.5 16.4 24.6

Manual Integrations
APPROVED

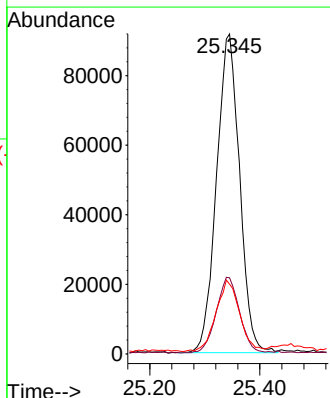
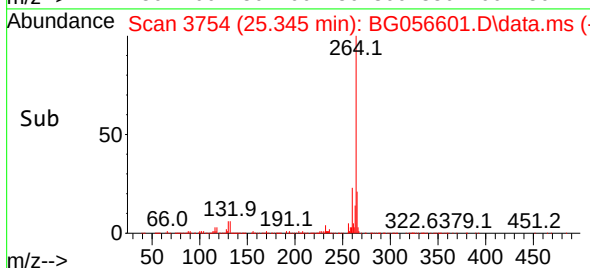
Reviewed By :Christian Giraldo 02/10/2023
Supervised By :Jagrut Upadhyay 02/10/2023

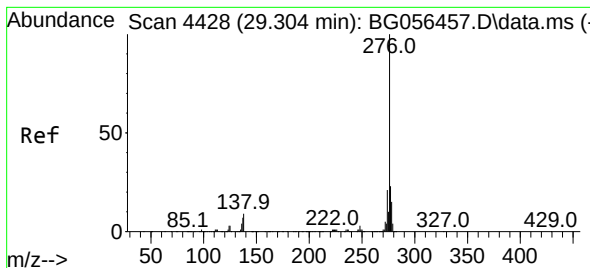


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.345 min Scan# 3754
Delta R.T. 0.007 min
Lab File: BG056601.D
Acq: 9 Feb 2023 17:33



Tgt Ion:264 Resp: 266749
Ion Ratio Lower Upper
264 100
260 23.8 18.2 27.4
265 21.8 18.1 27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.199 ng

RT: 29.282 min Scan# 4428

Delta R.T. -0.004 min

Lab File: BG056601.D

Acq: 9 Feb 2023 17:33

Instrument :

BNA_G

ClientSampleId :

JPP-48-020723DL

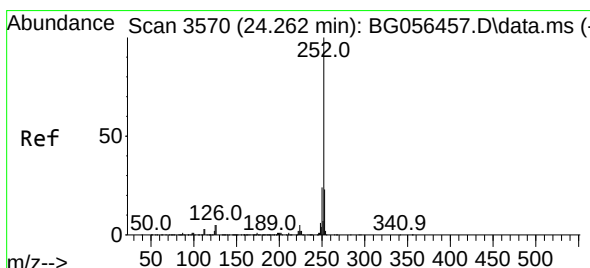
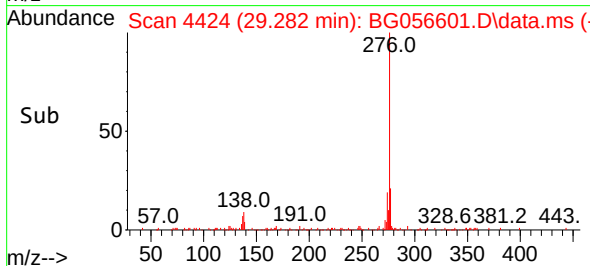
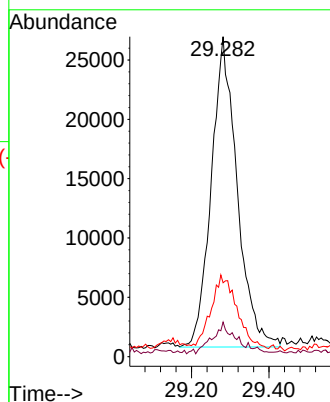
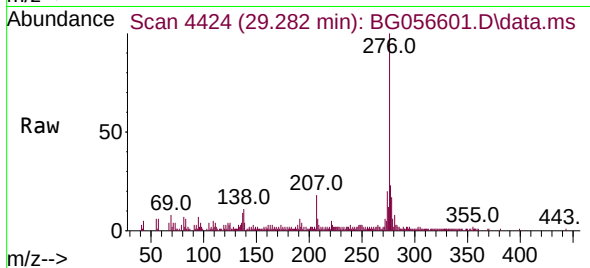
Tgt Ion:	276	Resp:	12104
Ion Ratio	Lower	Upper	
276	100		
138	8.3	9.4	14.2
277	23.9	20.3	30.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/10/2023

Supervised By :Jagrut Upadhyay 02/10/2023



#88

Benzo(b)fluoranthene

Concen: 16.299 ng

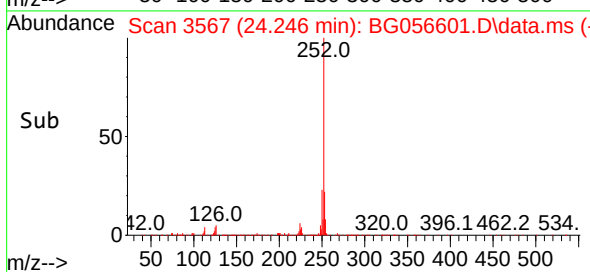
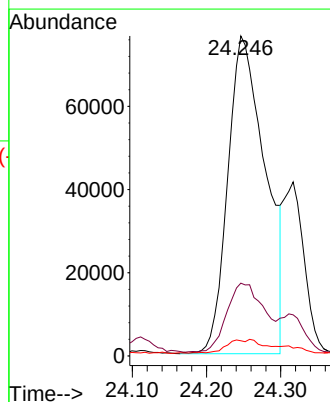
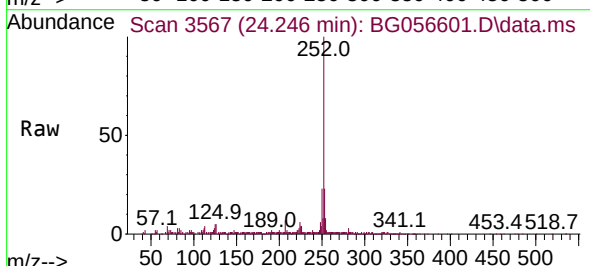
RT: 24.246 min Scan# 3567

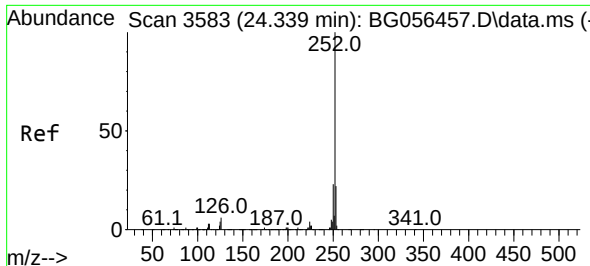
Delta R.T. -0.004 min

Lab File: BG056601.D

Acq: 9 Feb 2023 17:33

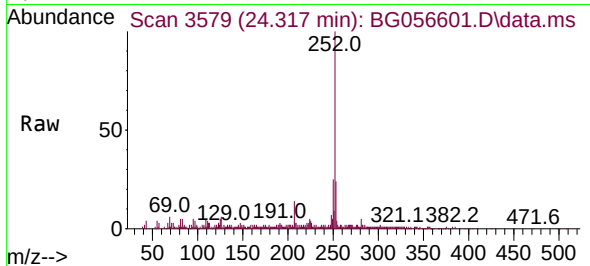
Tgt Ion:	252	Resp:	269854
Ion Ratio	Lower	Upper	
252	100		
253	22.7	18.1	27.1
125	4.7	3.9	5.9





#89
Benzo(k)fluoranthene
Concen: 4.705 ng m
RT: 24.317 min Scan# 3583
Delta R.T. -0.004 min
Lab File: BG056601.D
Acq: 9 Feb 2023 17:33

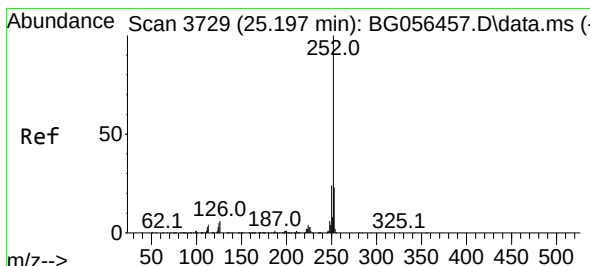
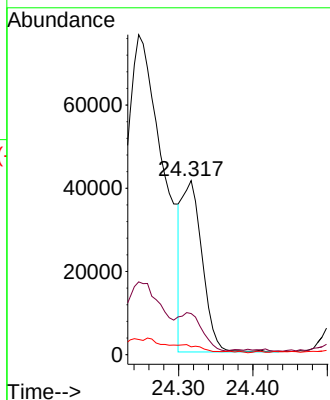
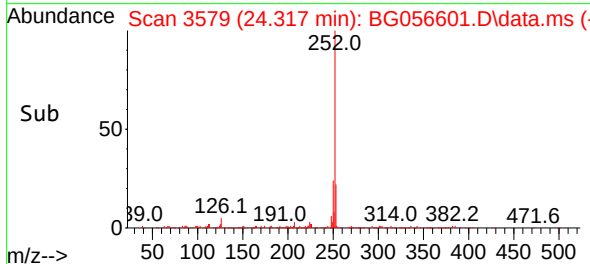
Instrument :
BNA_G
ClientSampleId :
JPP-48-020723DL



Tgt Ion:252 Resp: 78654
Ion Ratio Lower Upper
252 100
253 23.6 17.5 26.3
125 4.5 3.4 5.0

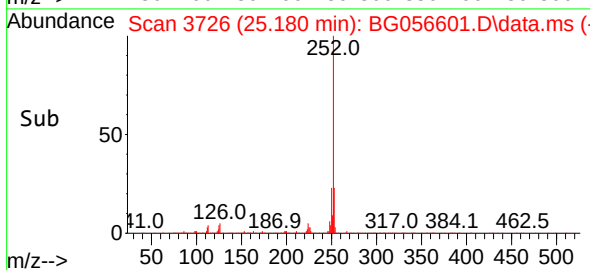
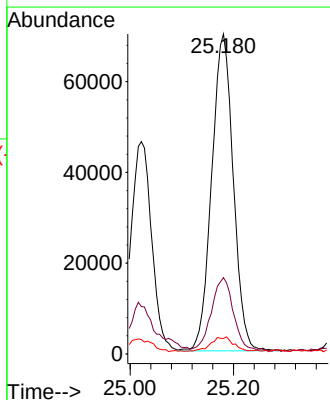
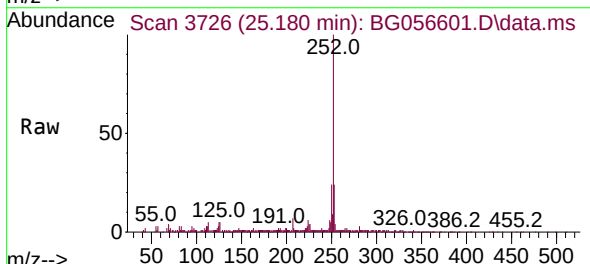
Manual Integrations
APPROVED

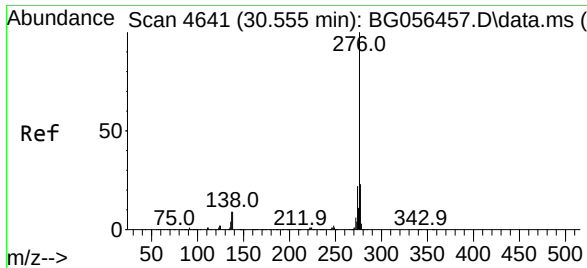
Reviewed By :Christian Giraldo 02/10/2023
Supervised By :Jagrut Upadhyay 02/10/2023



#90
Benzo(a)pyrene
Concen: 12.432 ng
RT: 25.180 min Scan# 3726
Delta R.T. 0.001 min
Lab File: BG056601.D
Acq: 9 Feb 2023 17:33

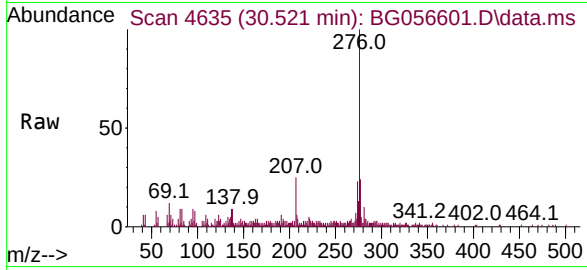
Tgt Ion:252 Resp: 202763
Ion Ratio Lower Upper
252 100
253 23.8 18.4 27.6
125 4.8 4.1 6.1





#92
 Benzo(g,h,i)perylene
 Concen: 7.415 ng
 RT: 30.521 min Scan# 4635
 Delta R.T. -0.004 min
 Lab File: BG056601.D
 Acq: 9 Feb 2023 17:33

Instrument :
 BNA_G
 ClientSampleId :
 JPP-48-020723DL



Tgt Ion:276 Resp: 117263
 Ion Ratio Lower Upper
 276 100
 277 23.6 18.5 27.7
 138 8.7 7.4 11.0

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 02/10/2023
 Supervised By :Jagrut Upadhyay 02/10/2023

