

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020223\
 Data File : BG056525.D
 Acq On : 2 Feb 2023 22:17
 Operator : CG/JU
 Sample : 01386-15
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JPP-15-013123

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 02/03/2023
 Supervised By :Jagrut Upadhyay 02/03/2023

Quant Time: Feb 03 06:00:03 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	8.279	152	41597	20.000	ng	0.00
21) Naphthalene-d8	11.111	136	154717	20.000	ng	0.00
39) Acenaphthene-d10	14.895	164	108266	20.000	ng	0.00
64) Phenanthrene-d10	17.633	188	250974	20.000	ng	0.00
76) Chrysene-d12	21.928	240	239905	20.000	ng	0.00
86) Perylene-d12	25.359	264	263521	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.800	112	267396	118.253	ng	0.00
7) Phenol-d6	7.421	99	371499	110.882	ng	0.00
23) Nitrobenzene-d5	9.454	82	198894	72.999	ng	0.00
42) 2,4,6-Tribromophenol	16.381	330	132733	92.219	ng	0.00
45) 2-Fluorobiphenyl	13.520	172	580979	74.399	ng	0.00
79) Terphenyl-d14	20.212	244	880347	64.451	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.680	178	51014	3.884	ng	98
75) Fluoranthene	19.672	202	139031	8.386	ng	96
78) Pyrene	20.030	202	133830	7.843	ng	98
81) Benzo(a)anthracene	21.904	228	74717	4.455	ng	98
83) Chrysene	21.975	228	69549m	4.414	ng	
88) Benzo(b)fluoranthene	24.260	252	100353	6.135	ng	# 89
89) Benzo(k)fluoranthene	24.325	252	39468m	2.390	ng	
90) Benzo(a)pyrene	25.189	252	77041	4.782	ng	# 95

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

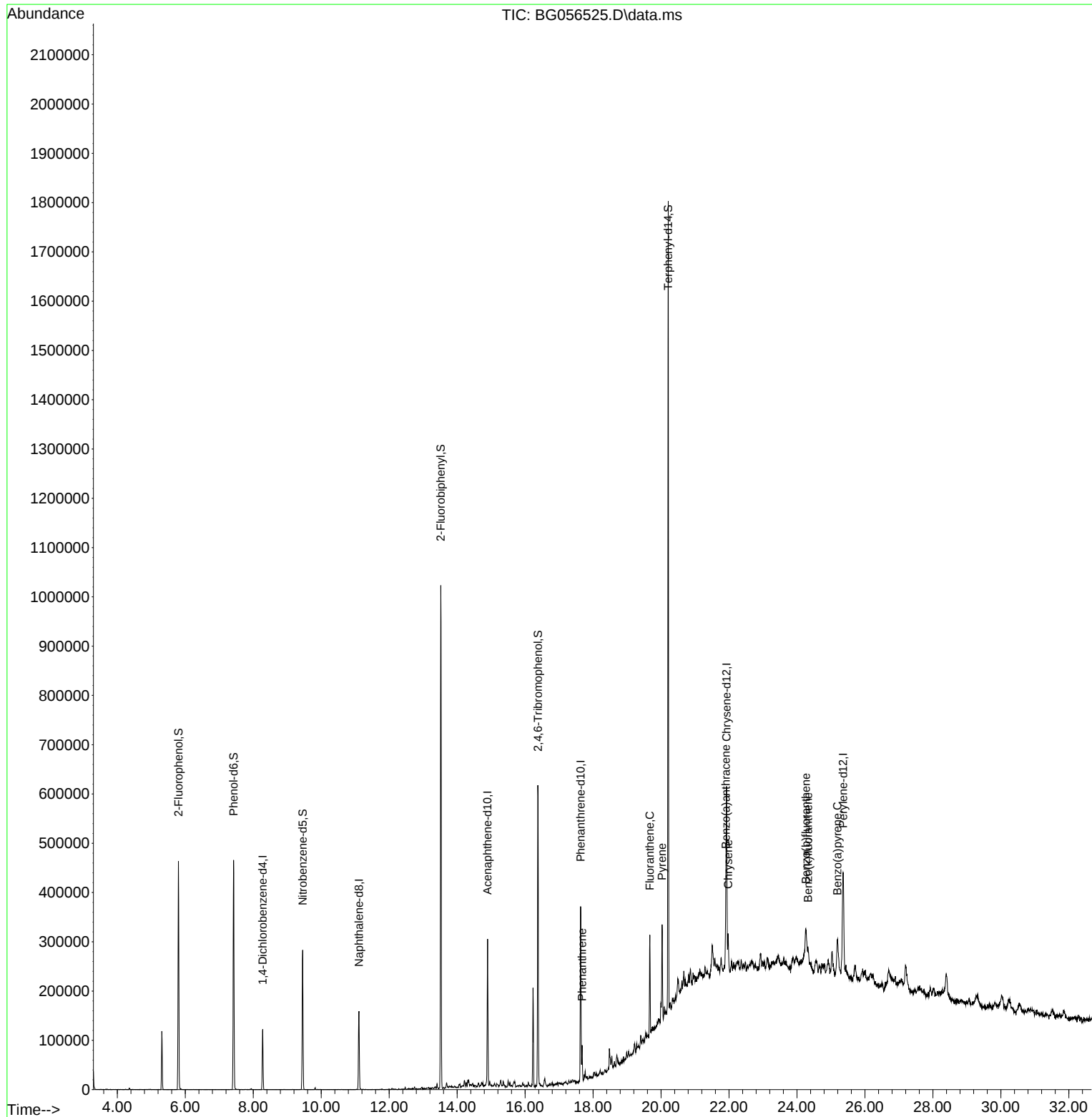
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020223\
Data File : BG056525.D
Acq On : 2 Feb 2023 22:17
Operator : CG/JU
Sample : 01386-15
Misc :
ALS Vial : 10 Sample Multiplier: 1

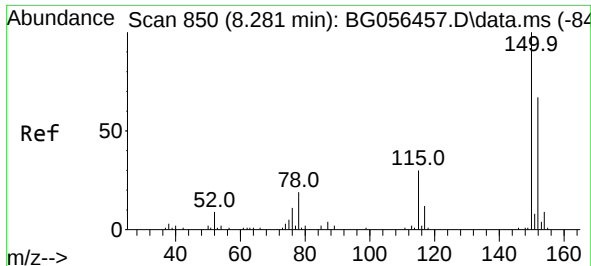
Instrument :
BNA_G
ClientSampleId :
JPP-15-013123

Quant Time: Feb 03 06:00:03 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

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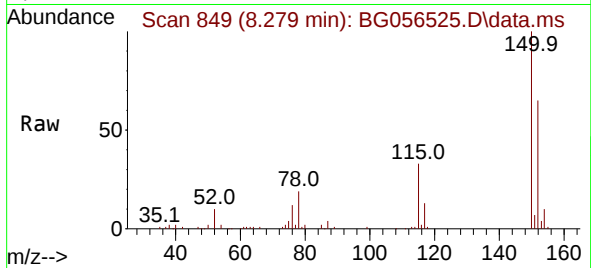
Reviewed By : Christian Giraldo 02/03/2023
Supervised By : Jagrut Upadhyay 02/03/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.279 min Scan# 849
Delta R.T. 0.004 min
Lab File: BG056525.D
Acq: 2 Feb 2023 22:17

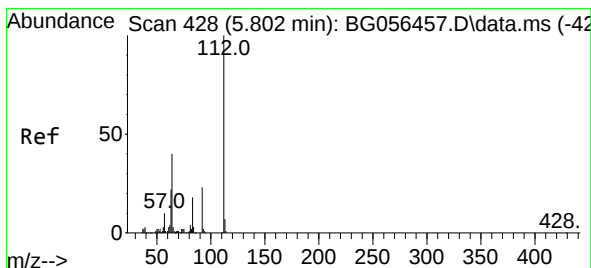
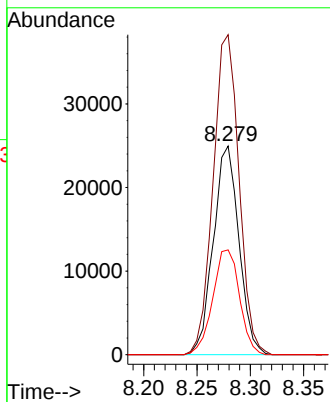
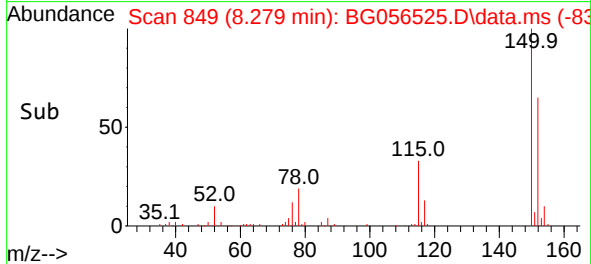
Instrument :
BNA_G
ClientSampleId :
JPP-15-013123



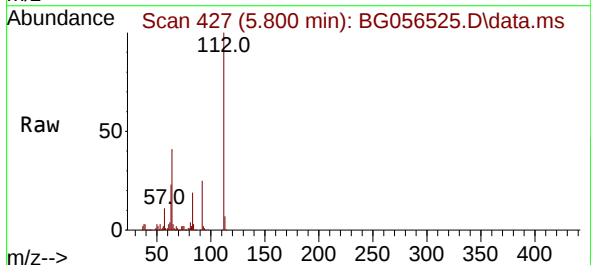
Tgt Ion:152 Resp: 41597
Ion Ratio Lower Upper
152 100
150 153.4 120.2 180.4
115 50.2 36.3 54.5

Manual Integrations
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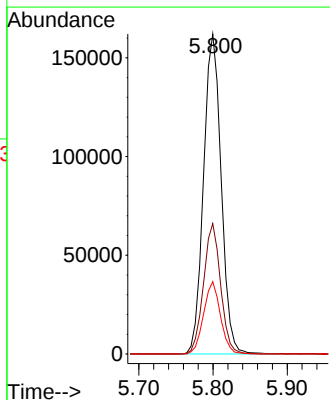
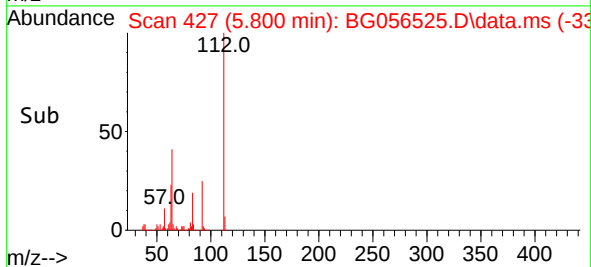
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

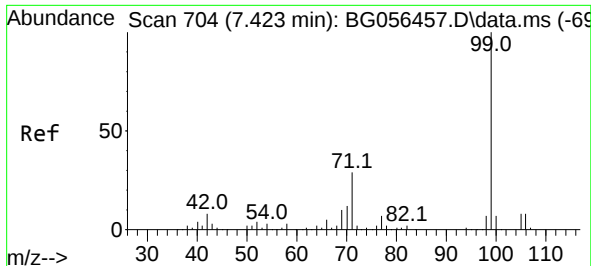


#5
2-Fluorophenol
Concen: 118.253 ng
RT: 5.800 min Scan# 427
Delta R.T. 0.004 min
Lab File: BG056525.D
Acq: 2 Feb 2023 22:17



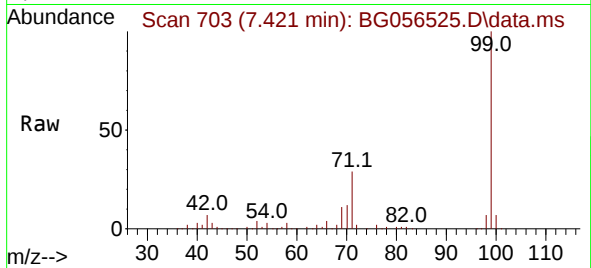
Tgt Ion:112 Resp: 267396
Ion Ratio Lower Upper
112 100
64 40.8 31.9 47.9
63 22.6 17.4 26.0





#7
Phenol-d6
Concen: 110.882 ng
RT: 7.421 min Scan# 704
Delta R.T. 0.004 min
Lab File: BG056525.D
Acq: 2 Feb 2023 22:17

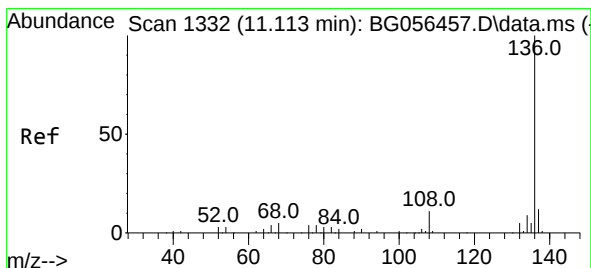
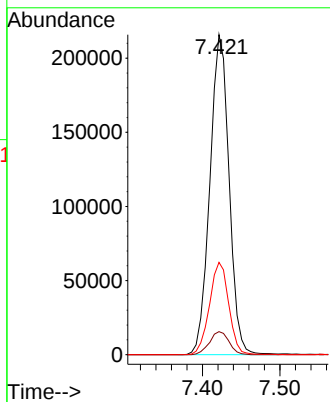
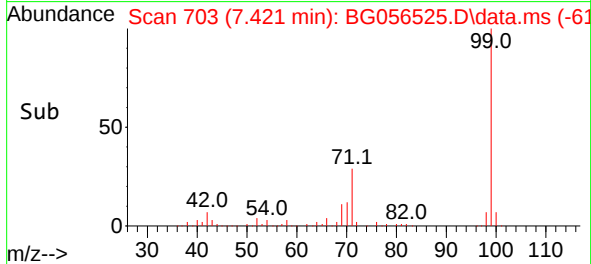
Instrument :
BNA_G
ClientSampleId :
JPP-15-013123



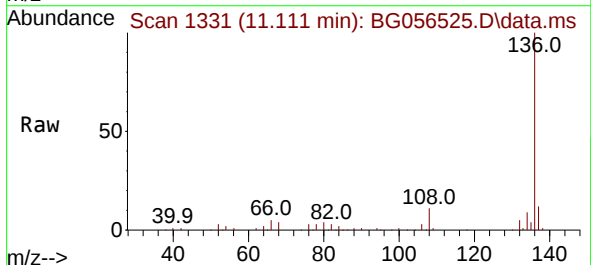
Tgt Ion: 99 Resp: 371499
Ion Ratio Lower Upper
99 100
42 7.2 6.6 10.0
71 28.9 23.4 35.0

Manual Integrations
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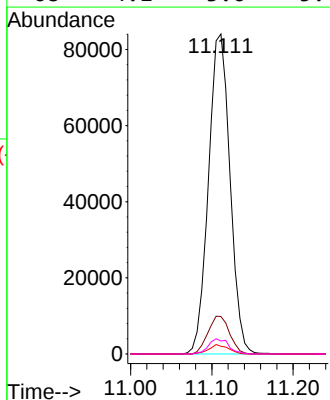
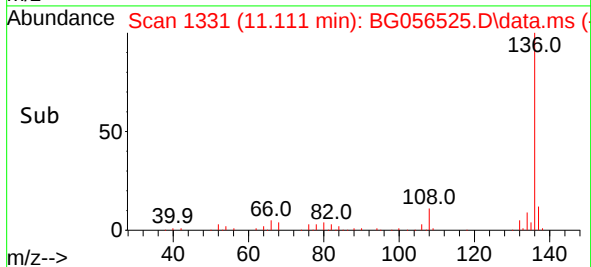
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

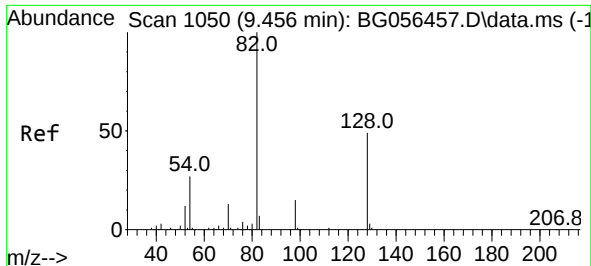


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.111 min Scan# 1331
Delta R.T. 0.004 min
Lab File: BG056525.D
Acq: 2 Feb 2023 22:17



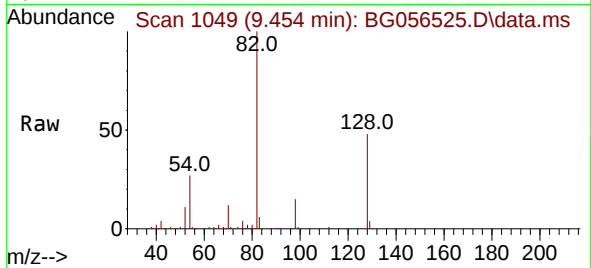
Tgt Ion:136 Resp: 154717
Ion Ratio Lower Upper
136 100
137 11.7 9.4 14.0
54 2.4 2.2 3.4
68 4.1 3.6 5.4





#23
Nitrobenzene-d5
Concen: 72.999 ng
RT: 9.454 min Scan# 1049
Delta R.T. -0.002 min
Lab File: BG056525.D
Acq: 2 Feb 2023 22:17

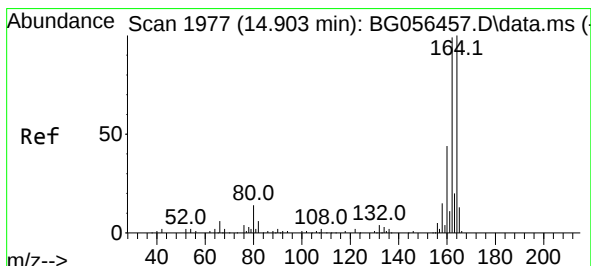
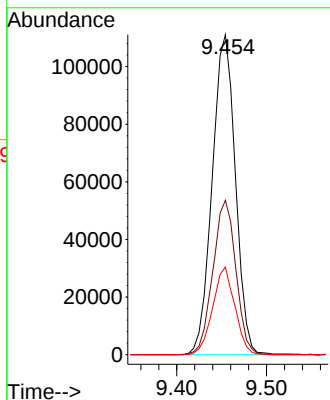
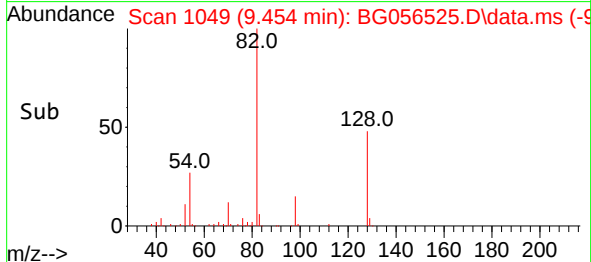
Instrument :
BNA_G
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JPP-15-013123



Tgt Ion: 82 Resp: 198894
Ion Ratio Lower Upper
82 100
128 48.3 39.4 59.2
54 27.4 21.4 32.2

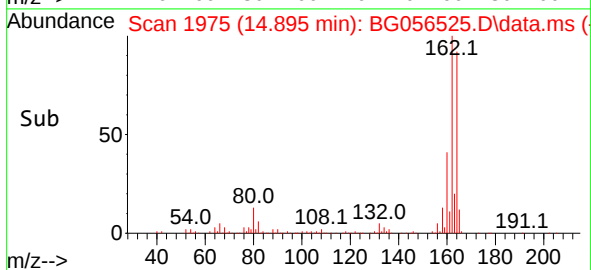
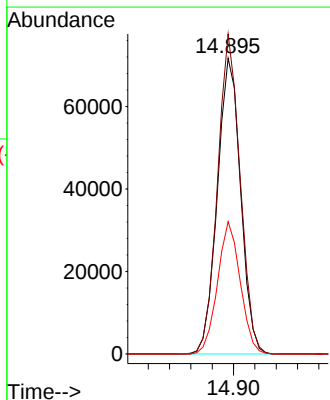
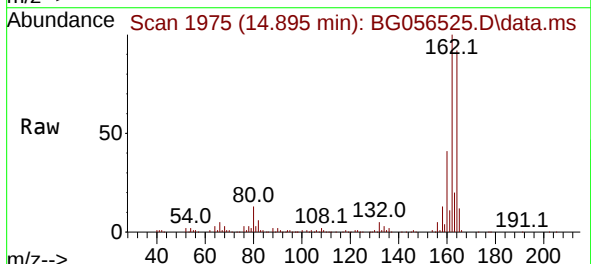
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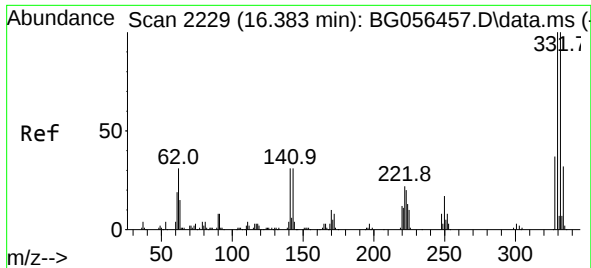
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.895 min Scan# 1975
Delta R.T. -0.002 min
Lab File: BG056525.D
Acq: 2 Feb 2023 22:17

Tgt Ion:164 Resp: 108266
Ion Ratio Lower Upper
164 100
162 108.2 79.6 119.4
160 44.7 34.9 52.3





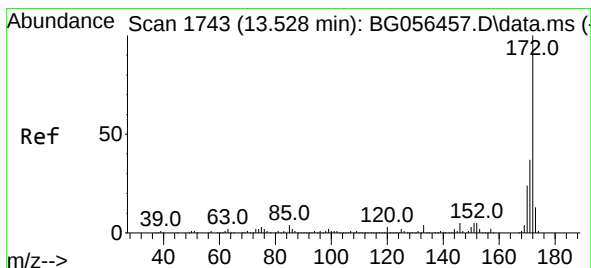
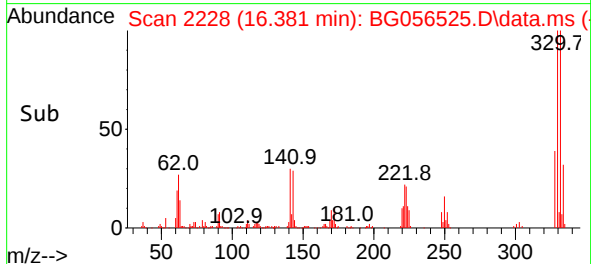
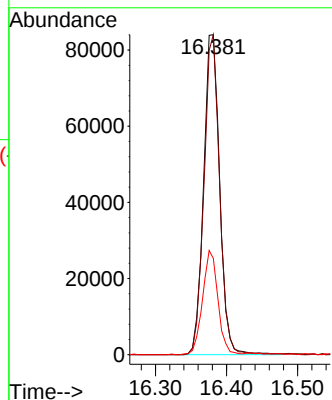
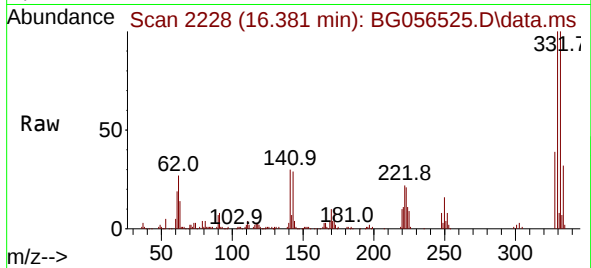
#42
2,4,6-Tribromophenol
Concen: 92.219 ng
RT: 16.381 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG056525.D
Acq: 2 Feb 2023 22:17

Instrument :
BNA_G
ClientSampleId :
JPP-15-013123

Tgt Ion:330 Resp: 13273
Ion Ratio Lower Upper
330 100
332 96.7 79.0 118.6
141 31.0 24.2 36.4

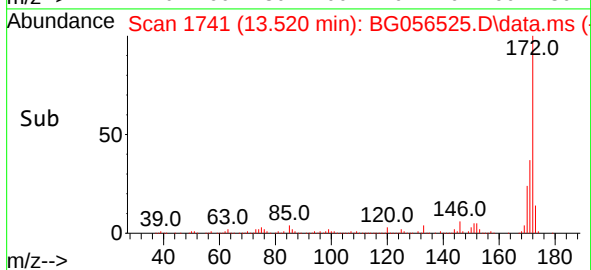
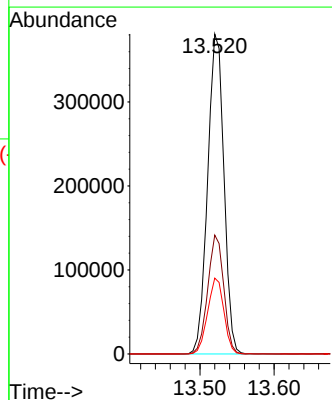
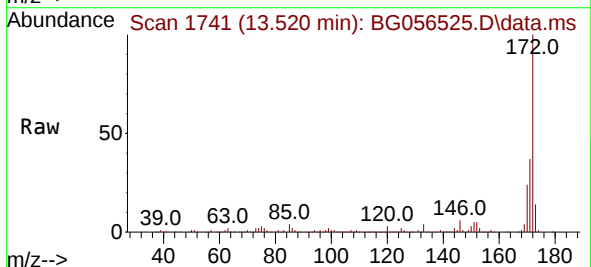
Manual Integrations
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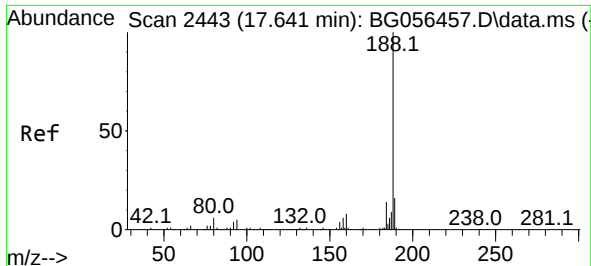
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#45
2-Fluorobiphenyl
Concen: 74.399 ng
RT: 13.520 min Scan# 1741
Delta R.T. -0.002 min
Lab File: BG056525.D
Acq: 2 Feb 2023 22:17

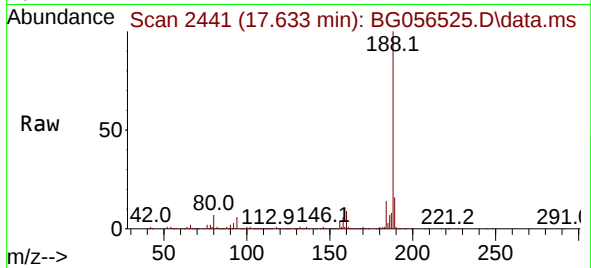
Tgt Ion:172 Resp: 580979
Ion Ratio Lower Upper
172 100
171 37.2 29.5 44.3
170 23.7 19.2 28.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.633 min Scan# 2441
Delta R.T. -0.002 min
Lab File: BG056525.D
Acq: 2 Feb 2023 22:17

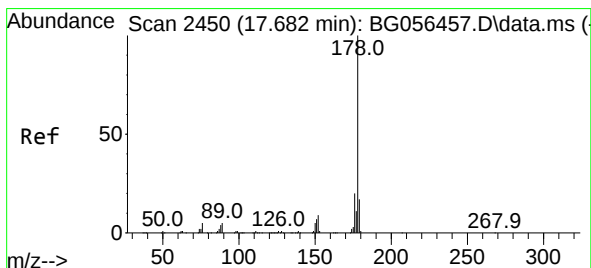
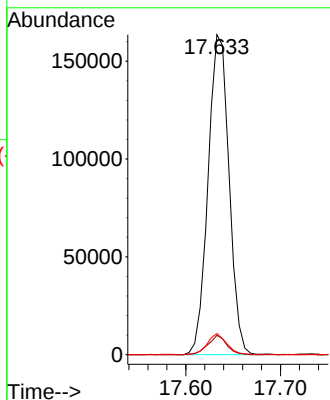
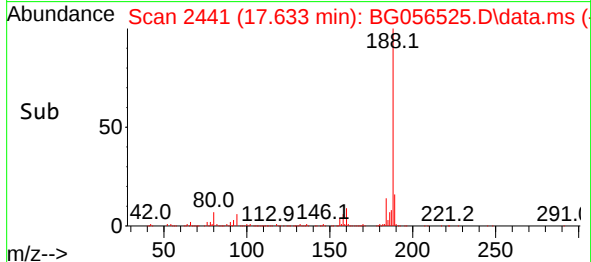
Instrument :
BNA_G
ClientSampleId :
JPP-15-013123



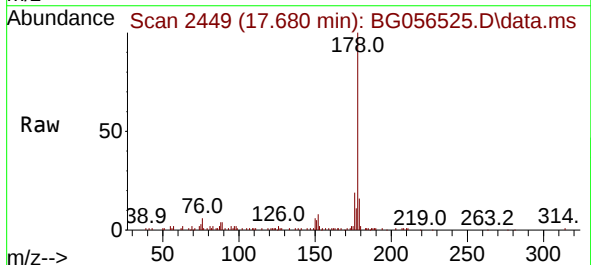
Tgt Ion:188 Resp: 250974
Ion Ratio Lower Upper
188 100
94 6.0 4.1 6.1
80 6.6 5.0 7.4

Manual Integrations
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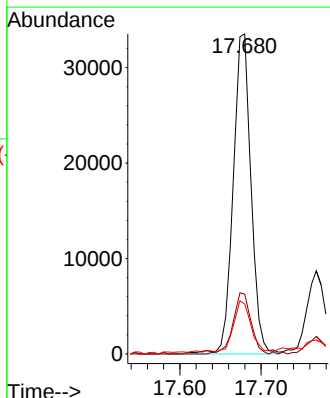
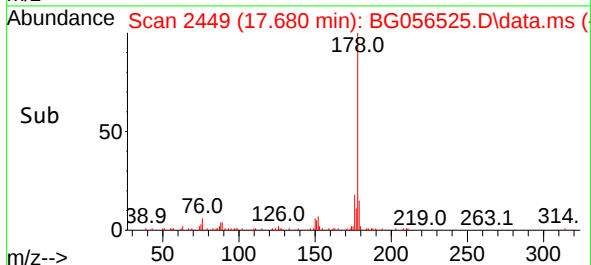
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

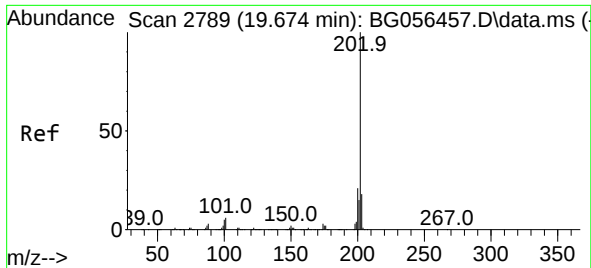


#71
Phenanthrene
Concen: 3.884 ng
RT: 17.680 min Scan# 2449
Delta R.T. 0.004 min
Lab File: BG056525.D
Acq: 2 Feb 2023 22:17



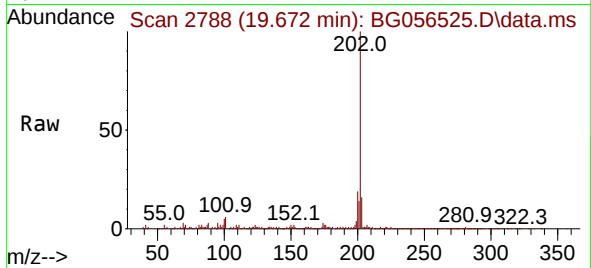
Tgt Ion:178 Resp: 51014
Ion Ratio Lower Upper
178 100
176 18.7 15.6 23.4
179 15.6 13.3 19.9





#75
Fluoranthene
Concen: 8.386 ng
RT: 19.672 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG056525.D
Acq: 2 Feb 2023 22:17

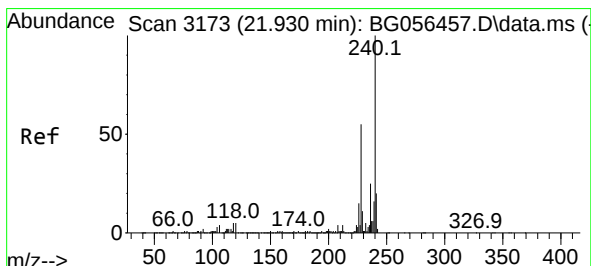
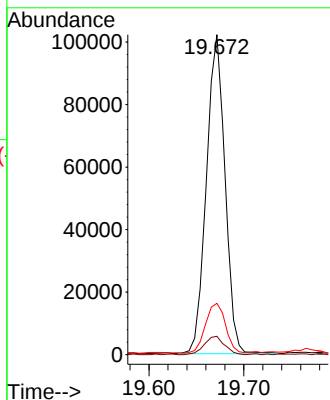
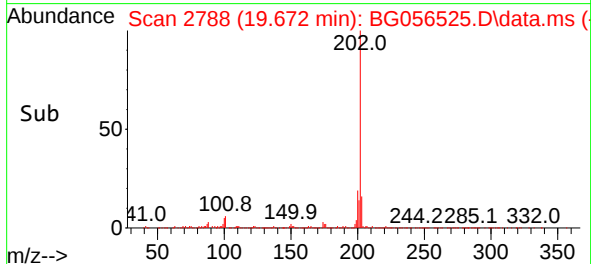
Instrument :
BNA_G
ClientSampleId :
JPP-15-013123



Tgt Ion:202 Resp: 13903
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202 100
101 5.7 0.0 25.6
203 16.1 0.0 38.1

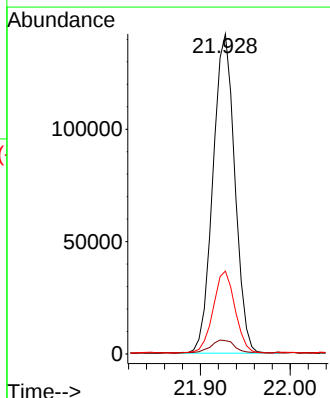
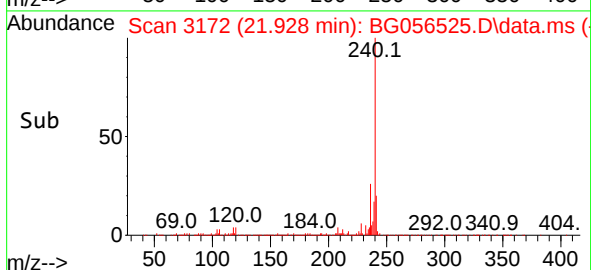
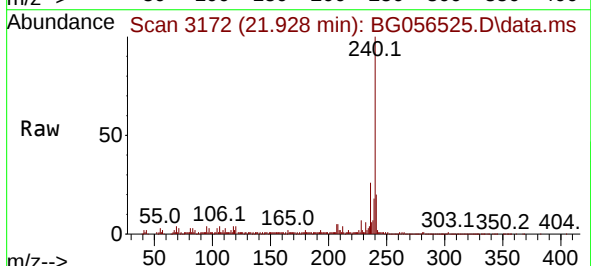
Manual Integrations
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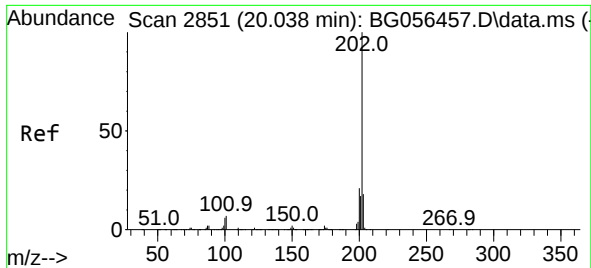
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.928 min Scan# 3172
Delta R.T. 0.004 min
Lab File: BG056525.D
Acq: 2 Feb 2023 22:17

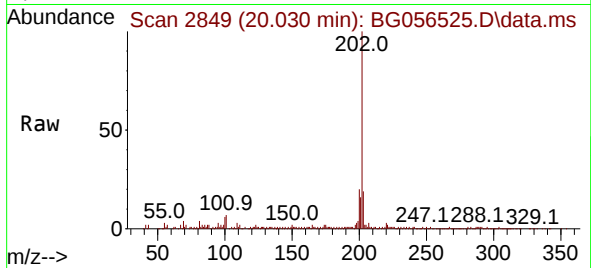
Tgt Ion:240 Resp: 239905
Ion Ratio Lower Upper
240 100
120 4.1 3.8 5.8
236 25.9 20.2 30.2





#78
Pyrene
Concen: 7.843 ng
RT: 20.030 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG056525.D
Acq: 2 Feb 2023 22:17

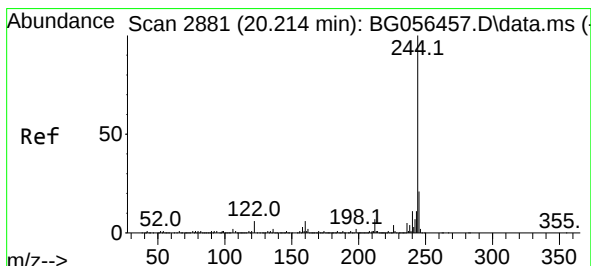
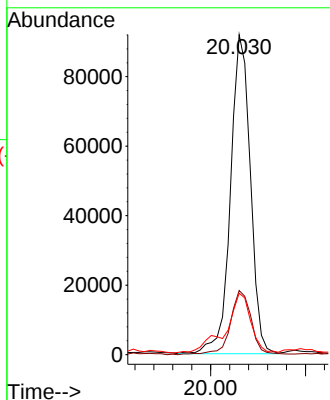
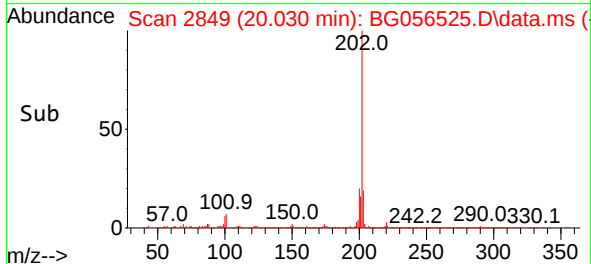
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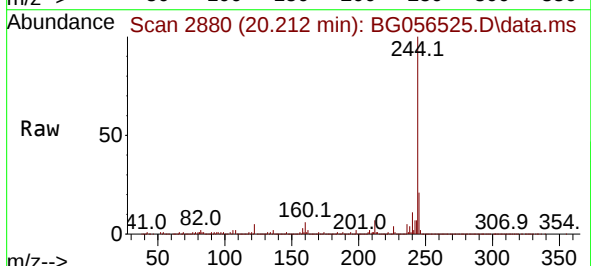
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Ion Ratio Lower Upper
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203 19.2 14.4 21.6

Manual Integrations
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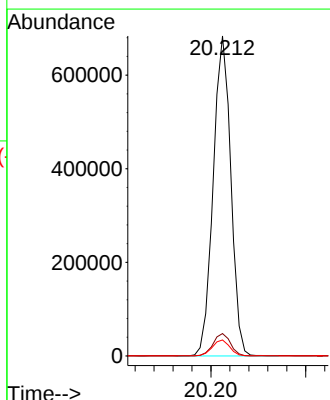
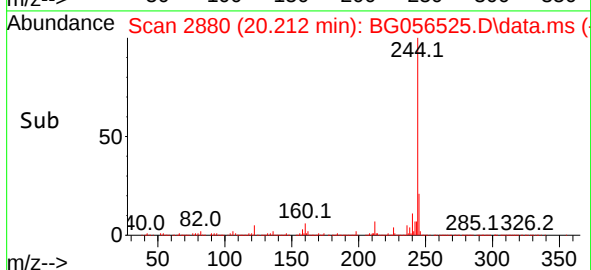
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023

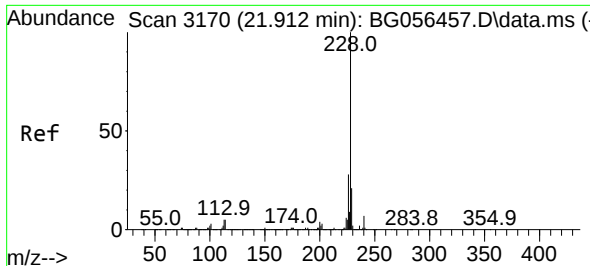


#79
Terphenyl-d14
Concen: 64.451 ng
RT: 20.212 min Scan# 2880
Delta R.T. 0.004 min
Lab File: BG056525.D
Acq: 2 Feb 2023 22:17



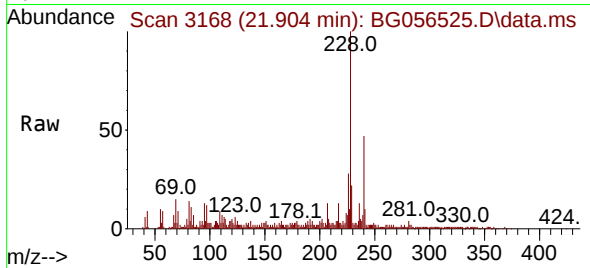
Tgt Ion:244 Resp: 880347
Ion Ratio Lower Upper
244 100
212 7.0 5.5 8.3
122 5.0 4.4 6.6





#81
Benzo(a)anthracene
Concen: 4.455 ng
RT: 21.904 min Scan# 3170
Delta R.T. 0.004 min
Lab File: BG056525.D
Acq: 2 Feb 2023 22:17

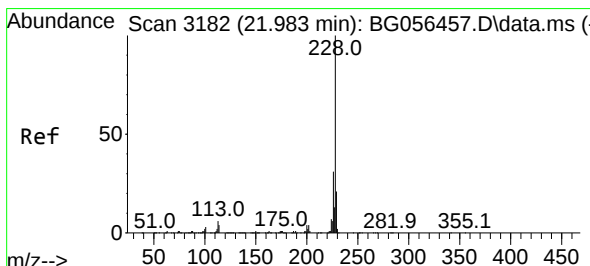
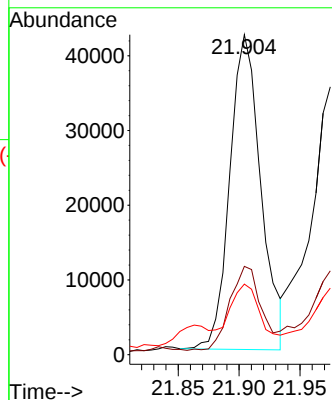
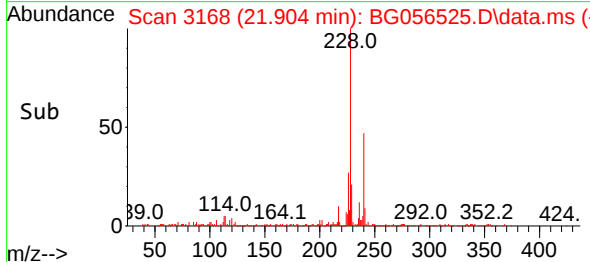
Instrument :
BNA_G
ClientSampleId :
JPP-15-013123



Tgt Ion:228 Resp: 7471
Ion Ratio Lower Upper
228 100
226 27.6 22.4 33.6
229 22.0 16.5 24.7

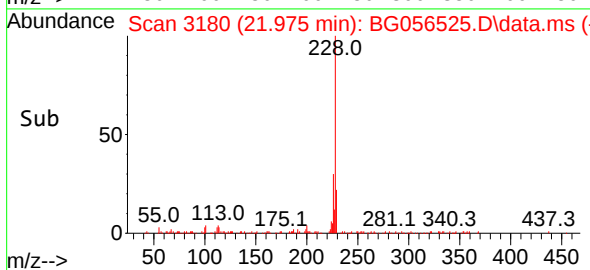
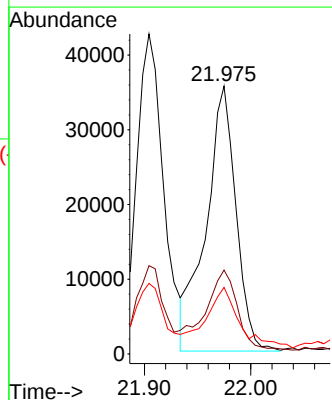
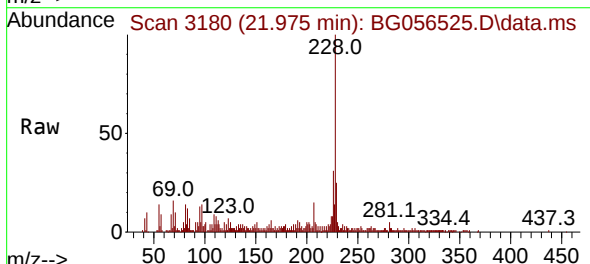
Manual Integrations
APPROVED

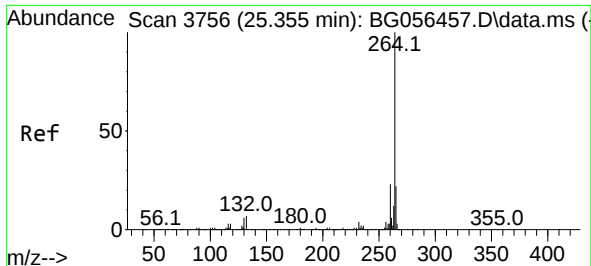
Reviewed By :Christian Giraldo 02/03/2023
Supervised By :Jagrut Upadhyay 02/03/2023



#83
Chrysene
Concen: 4.414 ng m
RT: 21.975 min Scan# 3180
Delta R.T. -0.002 min
Lab File: BG056525.D
Acq: 2 Feb 2023 22:17

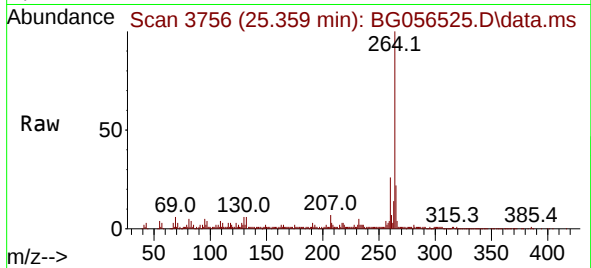
Tgt Ion:228 Resp: 69549
Ion Ratio Lower Upper
228 100
226 31.3 25.0 37.4
229 24.8 16.4 24.6#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.359 min Scan# 31
 Delta R.T. 0.015 min
 Lab File: BG056525.D
 Acq: 2 Feb 2023 22:17

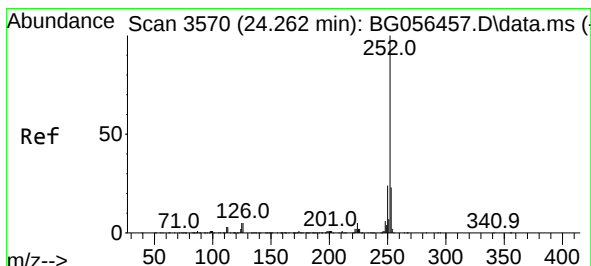
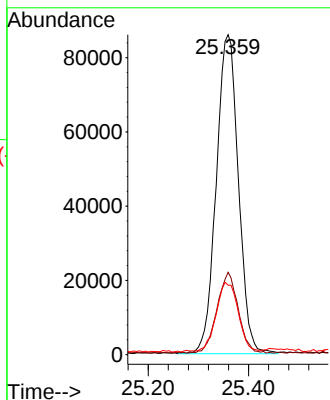
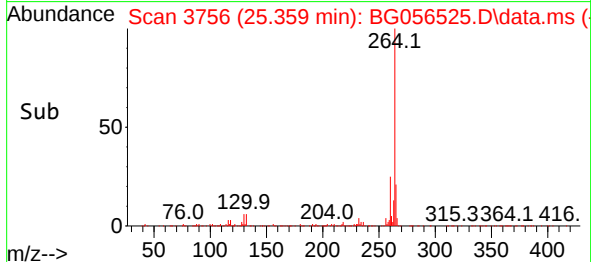
Instrument :
 BNA_G
 ClientSampleId :
 JPP-15-013123



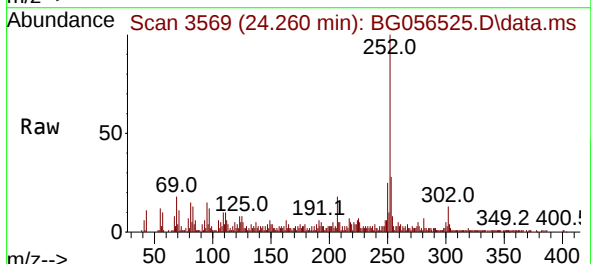
Tgt Ion:264 Resp: 26352
 Ion Ratio Lower Upper
 264 100
 260 25.7 18.2 27.4
 265 21.7 18.1 27.1

Manual Integrations
 APPROVED

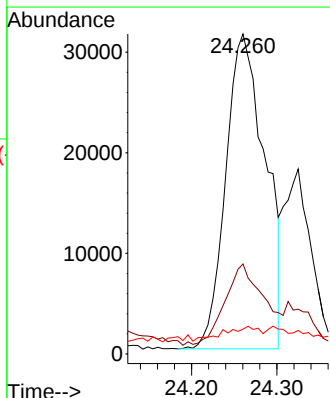
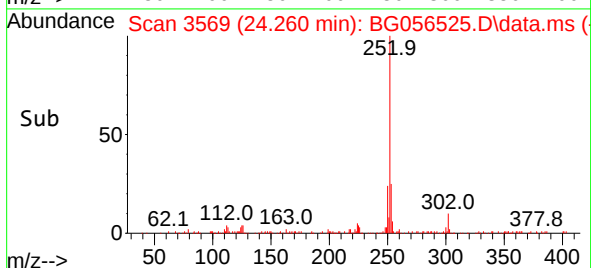
Reviewed By :Christian Giraldo 02/03/2023
 Supervised By :Jagrut Upadhyay 02/03/2023

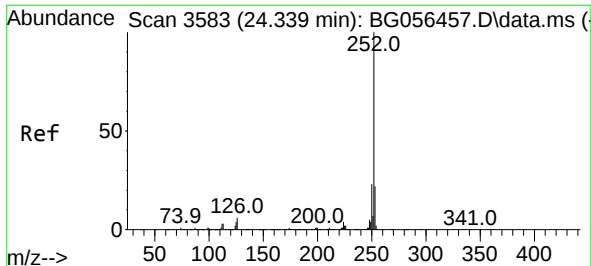


#88
 Benzo(b)fluoranthene
 Concen: 6.135 ng
 RT: 24.260 min Scan# 3569
 Delta R.T. 0.009 min
 Lab File: BG056525.D
 Acq: 2 Feb 2023 22:17



Tgt Ion:252 Resp: 100353
 Ion Ratio Lower Upper
 252 100
 253 28.2 18.1 27.1#
 125 7.8 3.9 5.9#





#89

Benzo(k)fluoranthene

Concen: 2.390 ng m

RT: 24.325 min Scan# 3583

Delta R.T. 0.004 min

Lab File: BG056525.D

Acq: 2 Feb 2023 22:17

Instrument :

BNA_G

ClientSampleId :

JPP-15-013123

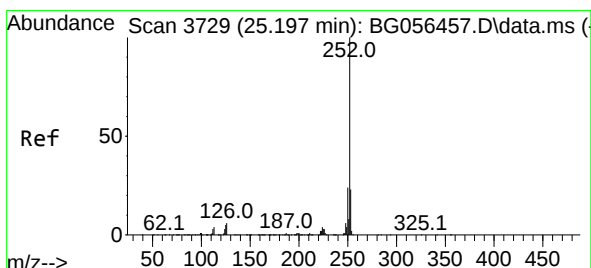
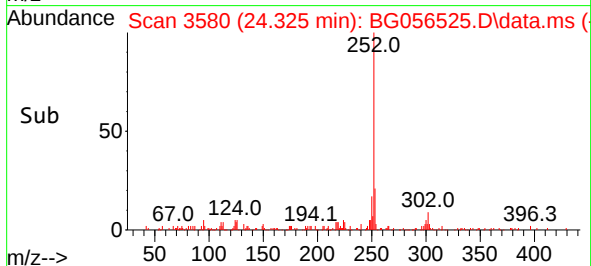
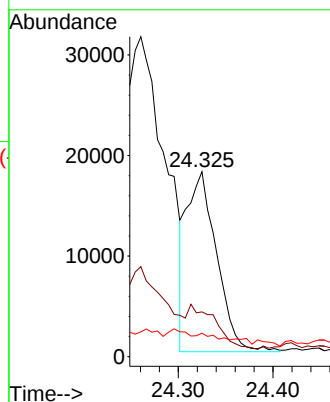
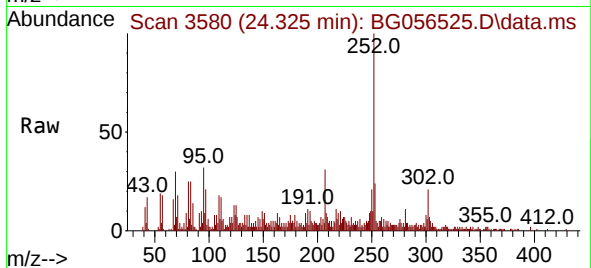
Tgt Ion:	252	Resp:	3946
Ion Ratio	Lower	Upper	
252	100		
253	24.3	17.5	26.3
125	12.7	3.4	5.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/03/2023

Supervised By :Jagrut Upadhyay 02/03/2023



#90

Benzo(a)pyrene

Concen: 4.782 ng

RT: 25.189 min Scan# 3727

Delta R.T. 0.004 min

Lab File: BG056525.D

Acq: 2 Feb 2023 22:17

Tgt Ion:	252	Resp:	77041
Ion Ratio	Lower	Upper	
252	100		
253	25.1	18.4	27.6
125	8.6	4.1	6.1

