

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020923\
 Data File : BG056597.D
 Acq On : 9 Feb 2023 14:47
 Operator : CG/JU
 Sample : 01508-10
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CV-1

Manual Integrations
 APPROVED

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

Quant Time: Feb 10 00:22:38 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	8.259	152	29041	20.000	ng	#-0.01
21) Naphthalene-d8	11.097	136	111482	20.000	ng	0.00
39) Acenaphthene-d10	14.886	164	93715	20.000	ng	0.00
64) Phenanthrene-d10	17.624	188	252570	20.000	ng	0.00
76) Chrysene-d12	21.913	240	233988	20.000	ng	-0.01
86) Perylene-d12	25.333	264	238787	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.785	112	168196	106.542	ng	0.00
7) Phenol-d6	7.413	99	233858	99.979	ng	0.00
23) Nitrobenzene-d5	9.440	82	127992	65.195	ng	0.00
42) 2,4,6-Tribromophenol	16.373	330	112475	90.277	ng	0.00
45) 2-Fluorobiphenyl	13.506	172	439843	65.071	ng	-0.01
79) Terphenyl-d14	20.198	244	890830	66.868	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.666	178	75558	5.716	ng	96
75) Fluoranthene	19.657	202	129851	7.783	ng	98
78) Pyrene	20.022	202	110986	6.669	ng	97
81) Benzo(a)anthracene	21.890	228	76555	4.680	ng	96
83) Chrysene	21.961	228	65265m	4.247	ng	
88) Benzo(b)fluoranthene	24.246	252	71169	4.802	ng	95
90) Benzo(a)pyrene	25.169	252	49511m	3.391	ng	

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

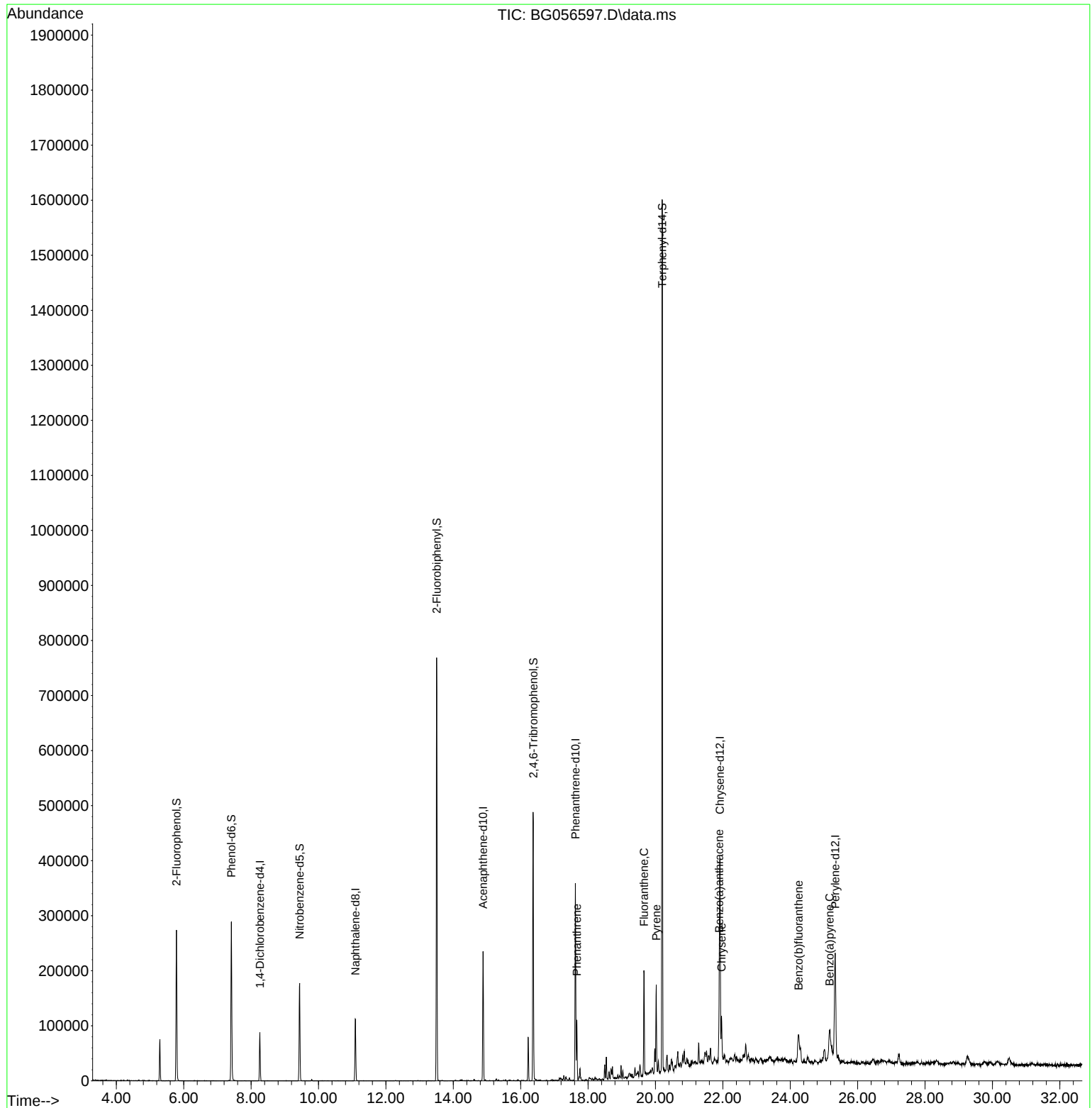
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020923\
Data File : BG056597.D
Acq On : 9 Feb 2023 14:47
Operator : CG/JU
Sample : 01508-10
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ALS Vial : 5 Sample Multiplier: 1

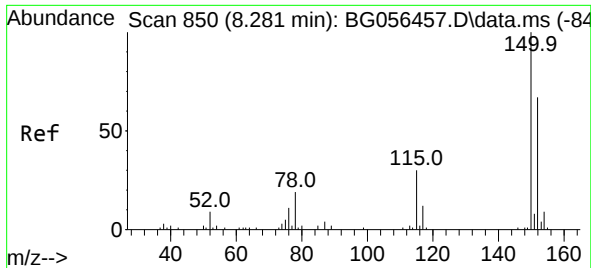
Instrument :
BNA_G
ClientSampleId :
CV-1

Quant Time: Feb 10 00:22:38 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
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Manual Integrations
APPROVED

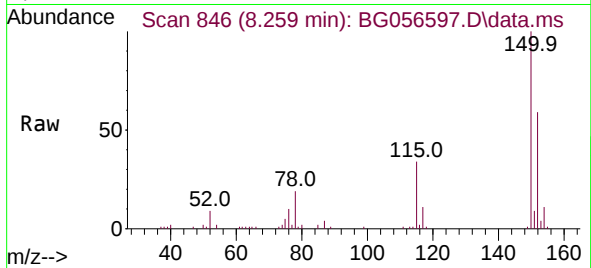
Reviewed By :Christian Giraldo 02/10/2023
Supervised By :Jagrut Upadhyay 02/10/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.259 min Scan# 84
Delta R.T. -0.010 min
Lab File: BG056597.D
Acq: 9 Feb 2023 14:47

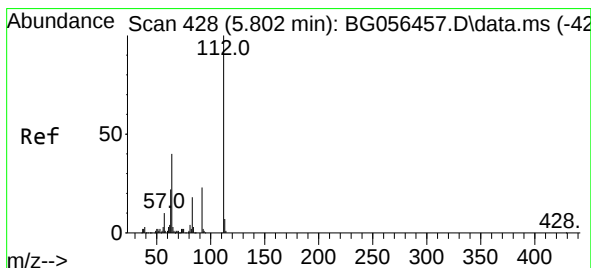
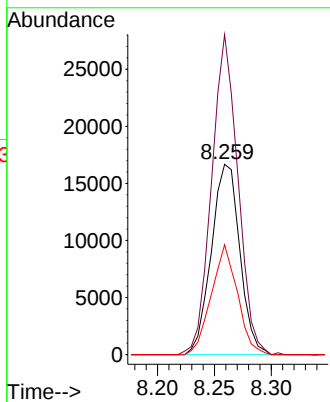
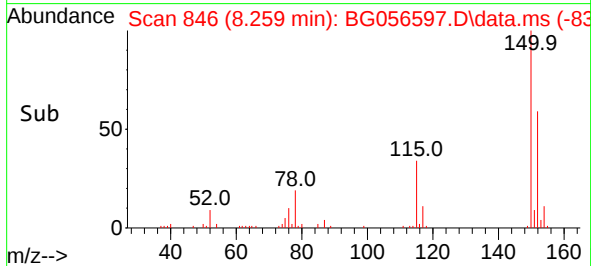
Instrument :
BNA_G
ClientSampleId :
CV-1



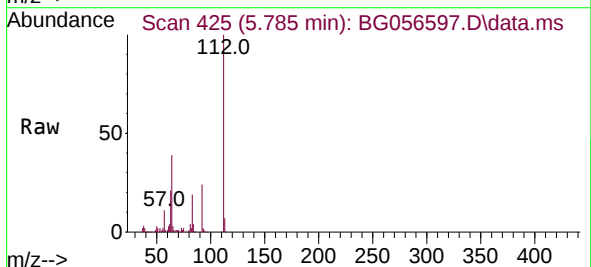
Tgt Ion:152 Resp: 2904
Ion Ratio Lower Upper
152 100
150 168.2 120.2 180.4
115 57.7 36.3 54.5

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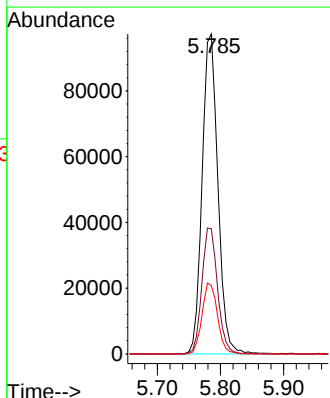
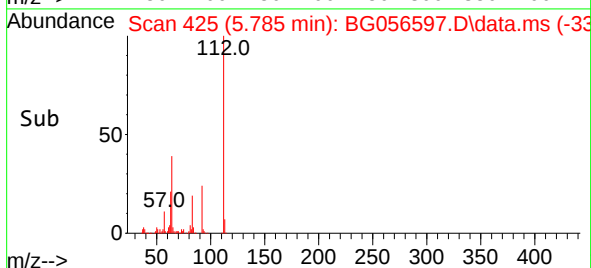
Reviewed By :Christian Giraldo 02/10/2023
Supervised By :Jagrut Upadhyay 02/10/2023

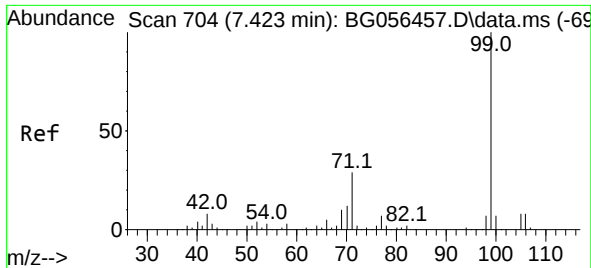


#5
2-Fluorophenol
Concen: 106.542 ng
RT: 5.785 min Scan# 425
Delta R.T. -0.005 min
Lab File: BG056597.D
Acq: 9 Feb 2023 14:47



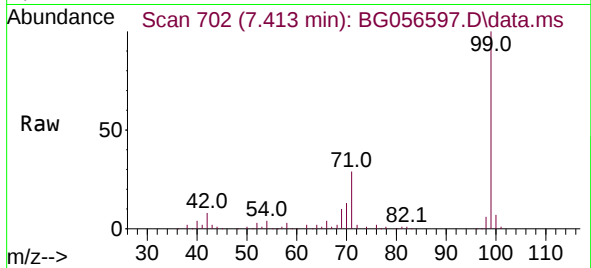
Tgt Ion:112 Resp: 168196
Ion Ratio Lower Upper
112 100
64 39.1 31.9 47.9
63 21.3 17.4 26.0





#7
Phenol-d6
Concen: 99.979 ng
RT: 7.413 min Scan# 704
Delta R.T. -0.005 min
Lab File: BG056597.D
Acq: 9 Feb 2023 14:47

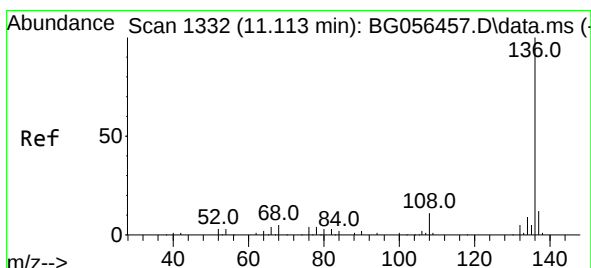
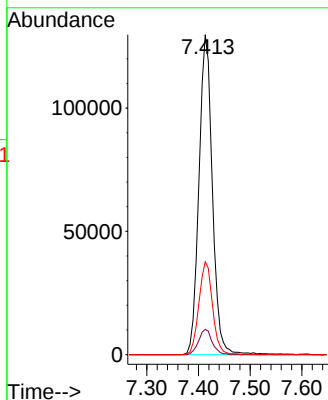
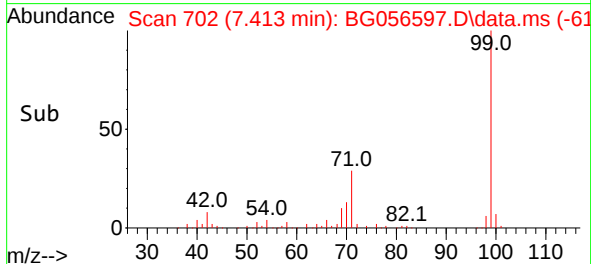
Instrument :
BNA_G
ClientSampleId :
CV-1



Tgt Ion: 99 Resp: 233858
Ion Ratio Lower Upper
99 100
42 7.9 6.6 10.0
71 29.0 23.4 35.0

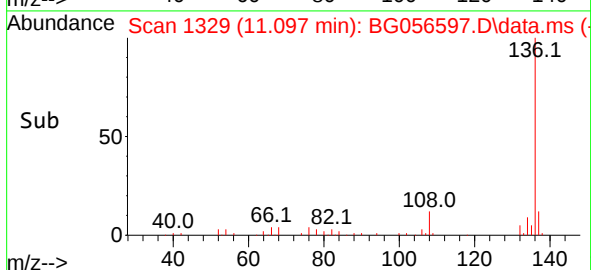
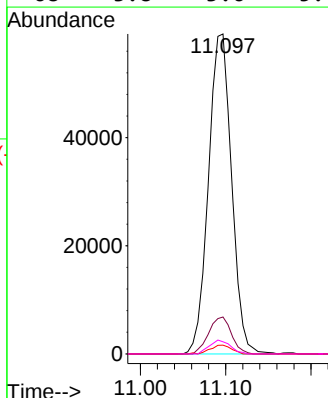
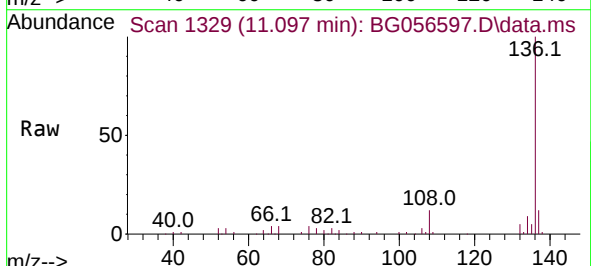
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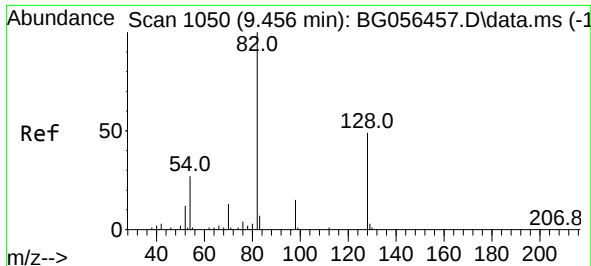
Reviewed By :Christian Giraldo 02/10/2023
Supervised By :Jagrut Upadhyay 02/10/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.097 min Scan# 1329
Delta R.T. -0.005 min
Lab File: BG056597.D
Acq: 9 Feb 2023 14:47

Tgt Ion:136 Resp: 111482
Ion Ratio Lower Upper
136 100
137 11.5 9.4 14.0
54 2.7 2.2 3.4
68 3.8 3.6 5.4





#23

Nitrobenzene-d5

Concen: 65.195 ng

RT: 9.440 min Scan# 1047

Delta R.T. -0.005 min

Lab File: BG056597.D

Acq: 9 Feb 2023 14:47

Instrument :

BNA_G

ClientSampleId :

CV-1

Tgt Ion: 82 Resp: 127992

Ion Ratio Lower Upper

82 100

128 48.6 39.4 59.2

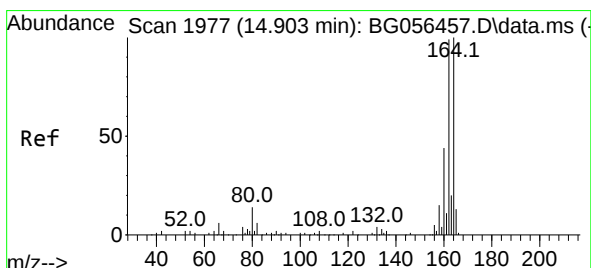
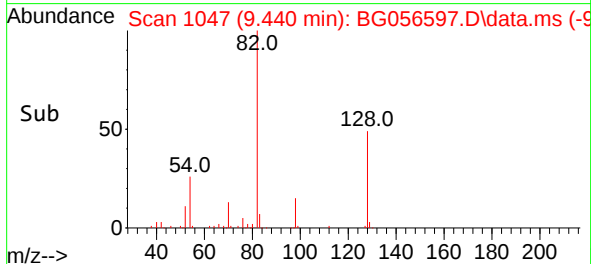
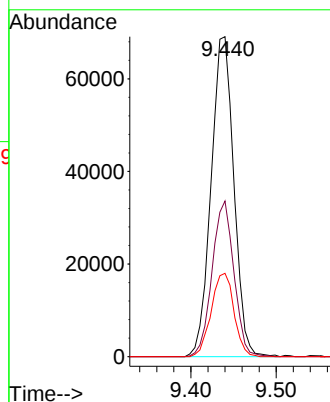
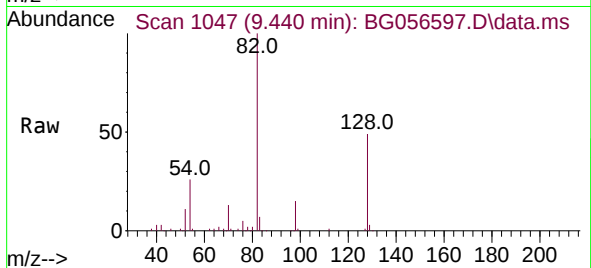
54 26.0 21.4 32.2

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.886 min Scan# 1974

Delta R.T. -0.005 min

Lab File: BG056597.D

Acq: 9 Feb 2023 14:47

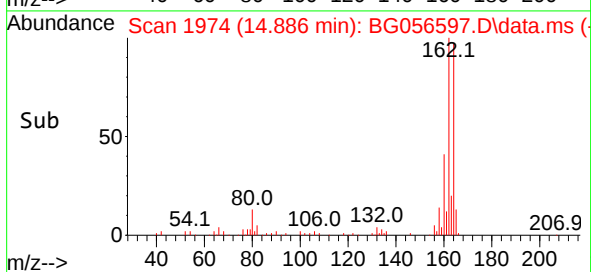
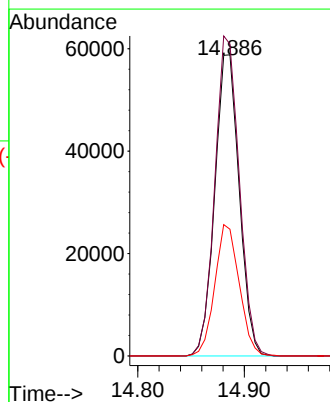
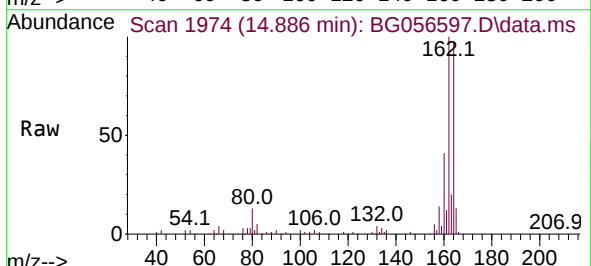
Tgt Ion:164 Resp: 93715

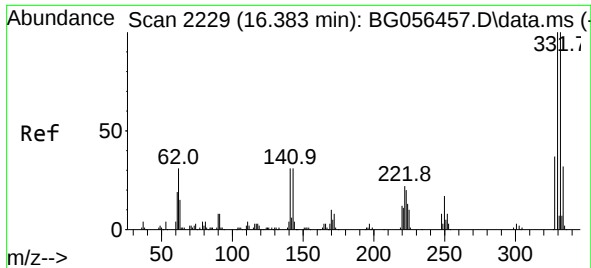
Ion Ratio Lower Upper

164 100

162 103.6 79.6 119.4

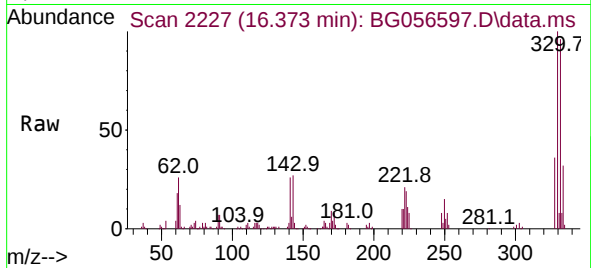
160 42.1 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 90.277 ng
RT: 16.373 min Scan# 211
Delta R.T. -0.005 min
Lab File: BG056597.D
Acq: 9 Feb 2023 14:47

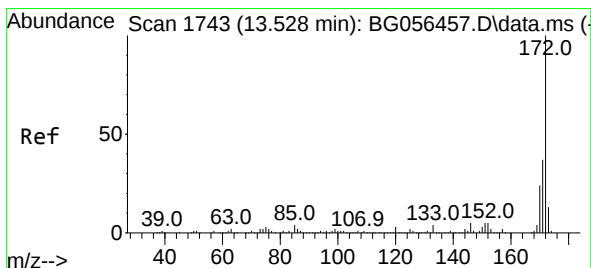
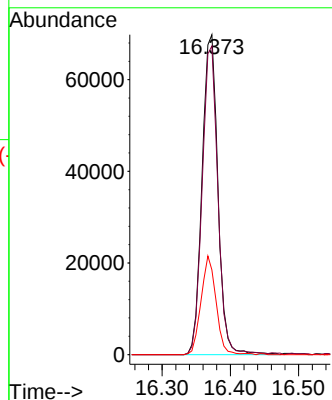
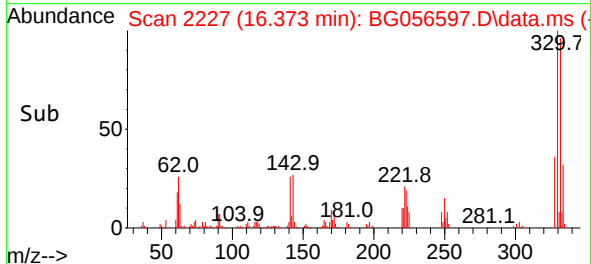
Instrument :
BNA_G
ClientSampleId :
CV-1



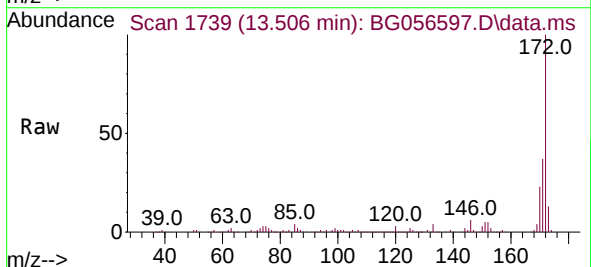
Tgt Ion:330 Resp: 112475
Ion Ratio Lower Upper
330 100
332 95.6 79.0 118.6
141 29.3 24.2 36.4

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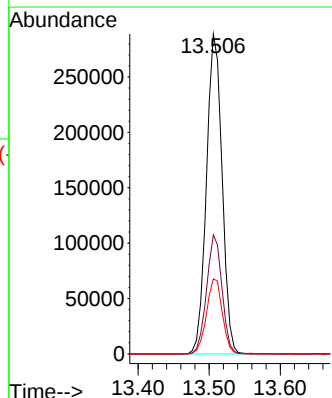
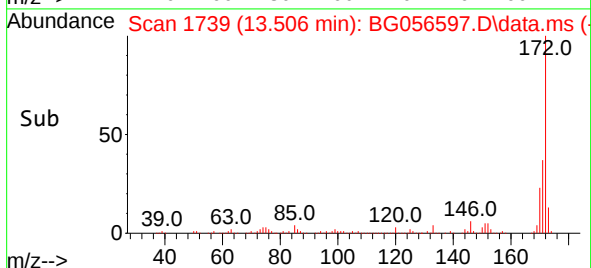
Reviewed By :Christian Giraldo 02/10/2023
Supervised By :Jagrut Upadhyay 02/10/2023

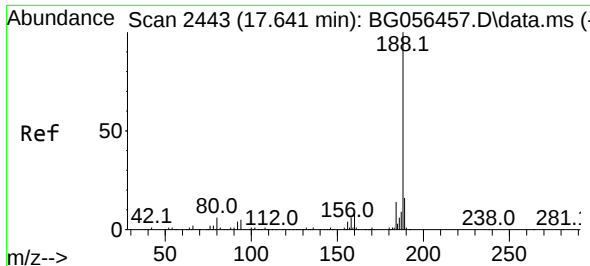


#45
2-Fluorobiphenyl
Concen: 65.071 ng
RT: 13.506 min Scan# 1739
Delta R.T. -0.011 min
Lab File: BG056597.D
Acq: 9 Feb 2023 14:47



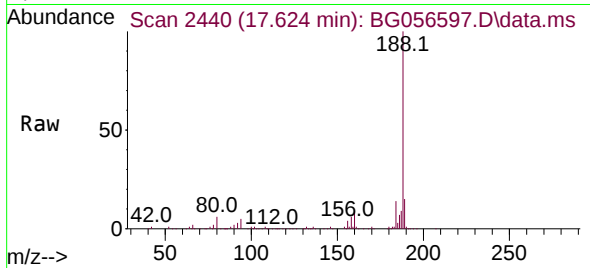
Tgt Ion:172 Resp: 439843
Ion Ratio Lower Upper
172 100
171 37.2 29.5 44.3
170 23.5 19.2 28.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.624 min Scan# 2440
Delta R.T. -0.005 min
Lab File: BG056597.D
Acq: 9 Feb 2023 14:47

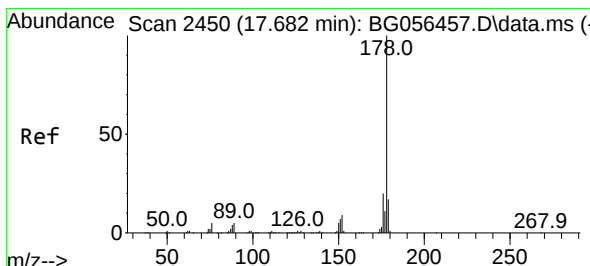
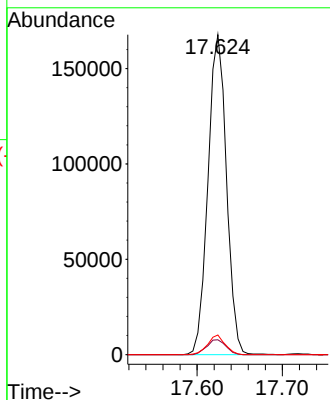
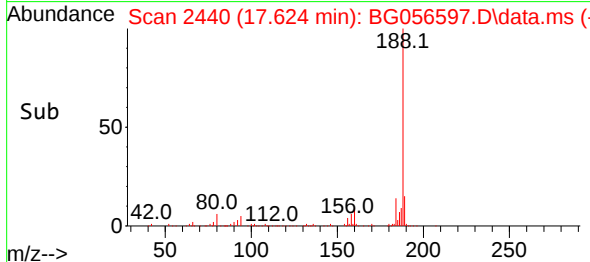
Instrument :
BNA_G
ClientSampleId :
CV-1



Tgt Ion:188 Resp: 252570
Ion Ratio Lower Upper
188 100
94 4.6 4.1 6.1
80 6.1 5.0 7.4

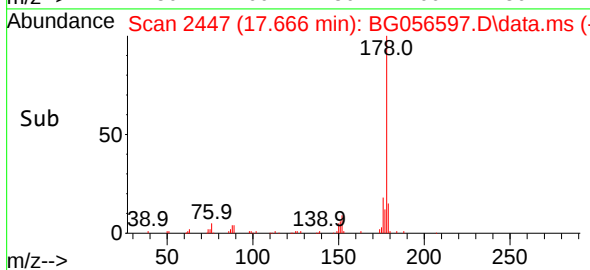
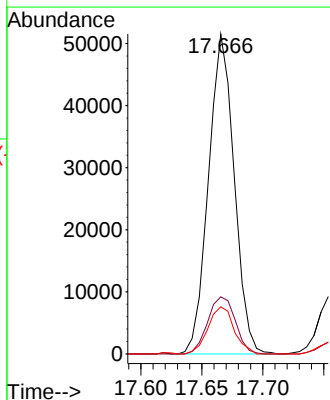
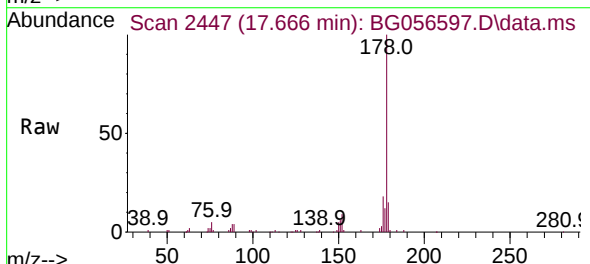
Manual Integrations
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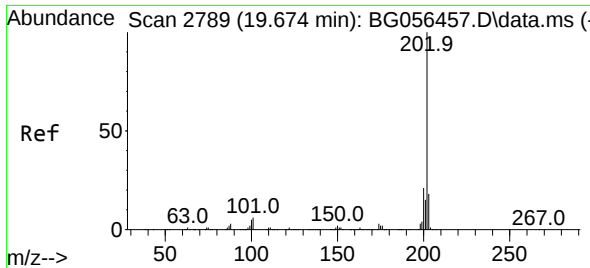
Reviewed By :Christian Giraldo 02/10/2023
Supervised By :Jagrut Upadhyay 02/10/2023



#71
Phenanthrene
Concen: 5.716 ng
RT: 17.666 min Scan# 2447
Delta R.T. -0.005 min
Lab File: BG056597.D
Acq: 9 Feb 2023 14:47

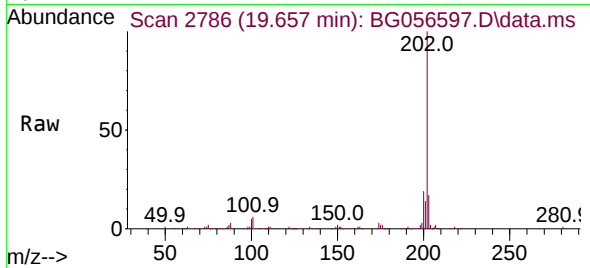
Tgt Ion:178 Resp: 75558
Ion Ratio Lower Upper
178 100
176 17.8 15.6 23.4
179 14.7 13.3 19.9





#75
Fluoranthene
Concen: 7.783 ng
RT: 19.657 min Scan# 21
Delta R.T. -0.011 min
Lab File: BG056597.D
Acq: 9 Feb 2023 14:47

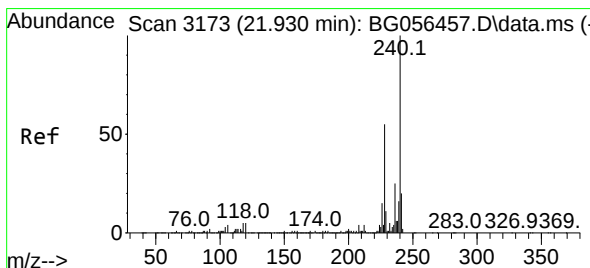
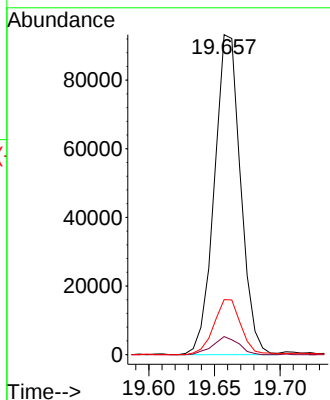
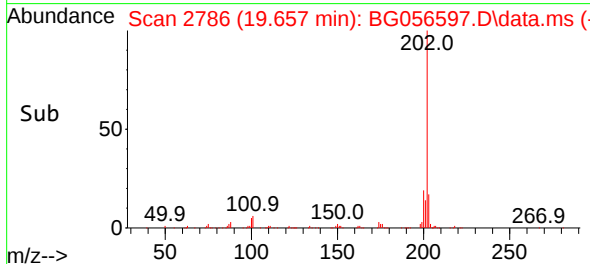
Instrument :
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CV-1



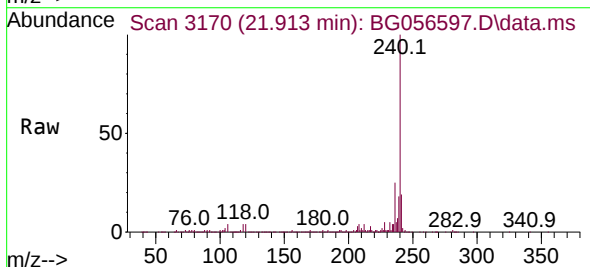
Tgt Ion:202 Resp: 12985
Ion Ratio Lower Upper
202 100
101 5.6 0.0 25.6
203 17.2 0.0 38.1

Manual Integrations
APPROVED

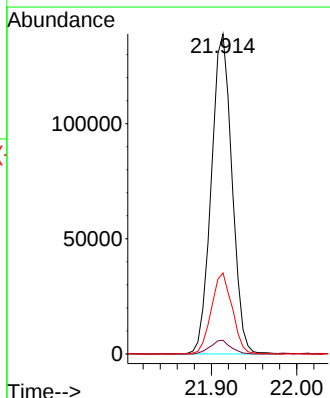
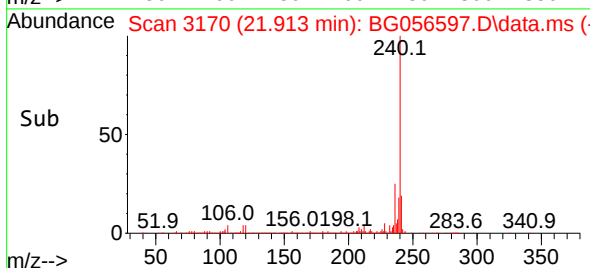
Reviewed By :Christian Giraldo 02/10/2023
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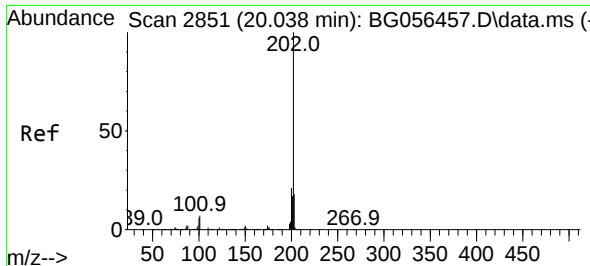


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.913 min Scan# 3170
Delta R.T. -0.011 min
Lab File: BG056597.D
Acq: 9 Feb 2023 14:47



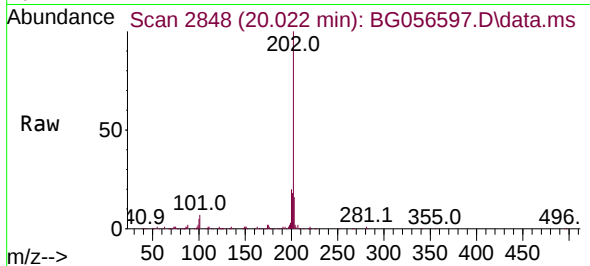
Tgt Ion:240 Resp: 233988
Ion Ratio Lower Upper
240 100
120 4.3 3.8 5.8
236 25.4 20.2 30.2





#78
Pyrene
Concen: 6.669 ng
RT: 20.022 min Scan# 2848
Delta R.T. -0.005 min
Lab File: BG056597.D
Acq: 9 Feb 2023 14:47

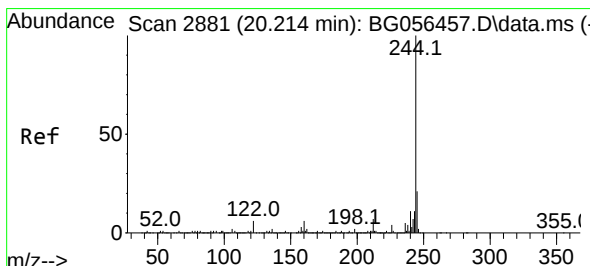
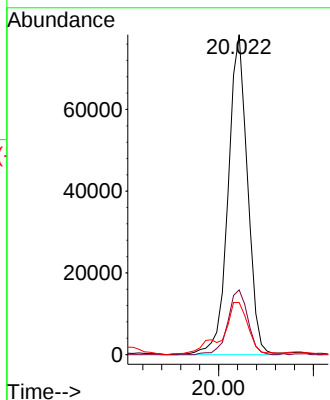
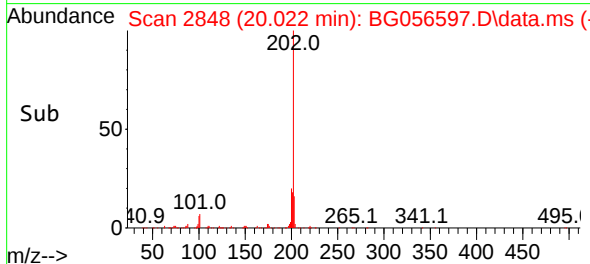
Instrument :
BNA_G
ClientSampleId :
CV-1



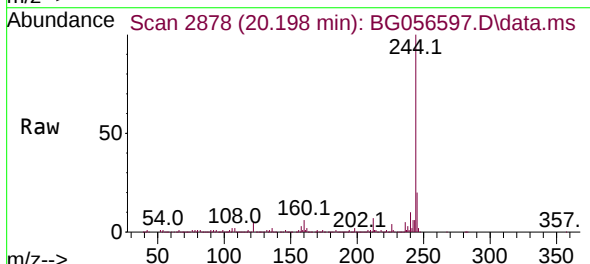
Tgt Ion:202 Resp: 110986
Ion Ratio Lower Upper
202 100
200 20.2 16.7 25.1
203 16.3 14.4 21.6

Manual Integrations
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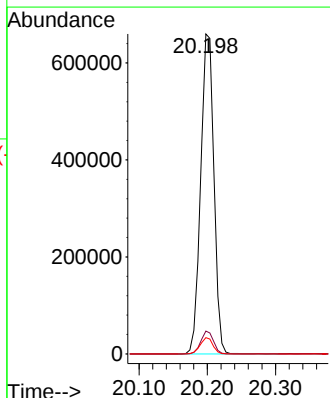
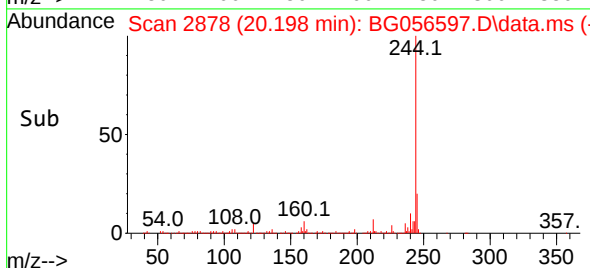
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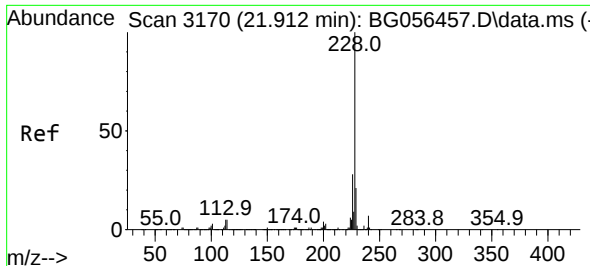


#79
Terphenyl-d14
Concen: 66.868 ng
RT: 20.198 min Scan# 2878
Delta R.T. -0.011 min
Lab File: BG056597.D
Acq: 9 Feb 2023 14:47



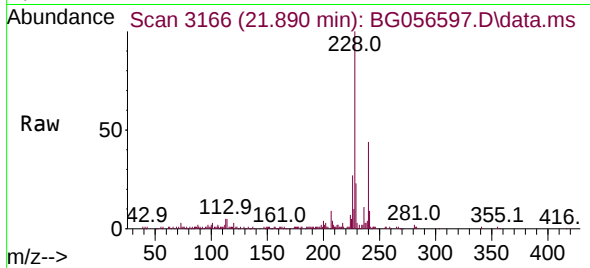
Tgt Ion:244 Resp: 890830
Ion Ratio Lower Upper
244 100
212 7.1 5.5 8.3
122 5.1 4.4 6.6





#81
Benzo(a)anthracene
Concen: 4.680 ng
RT: 21.890 min Scan# 3170
Delta R.T. -0.011 min
Lab File: BG056597.D
Acq: 9 Feb 2023 14:47

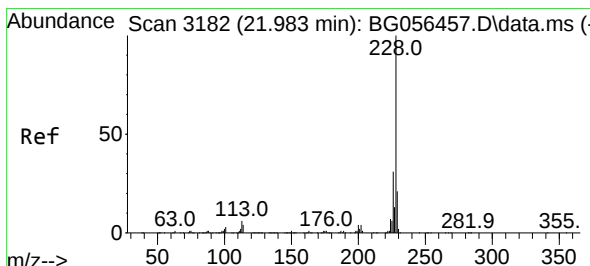
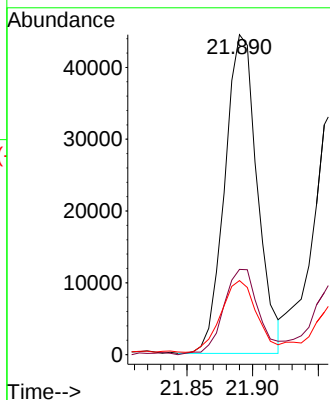
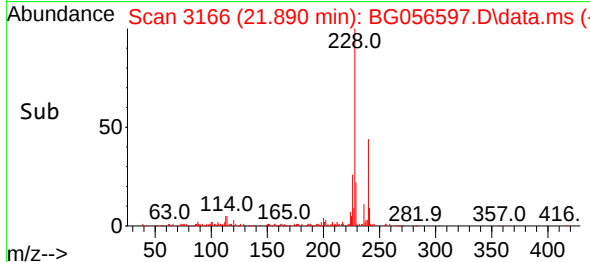
Instrument :
BNA_G
ClientSampleId :
CV-1



Tgt Ion:228 Resp: 7655
Ion Ratio Lower Upper
228 100
226 26.6 22.4 33.6
229 23.1 16.5 24.7

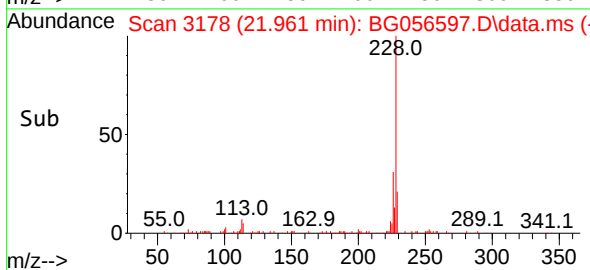
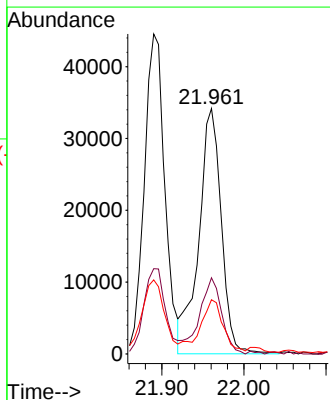
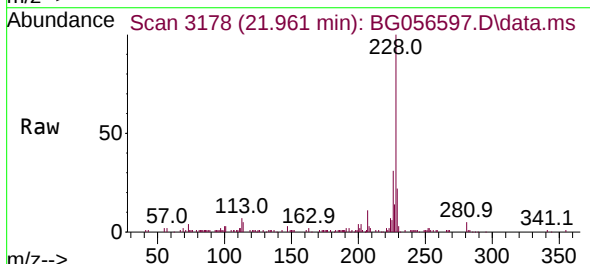
Manual Integrations
APPROVED

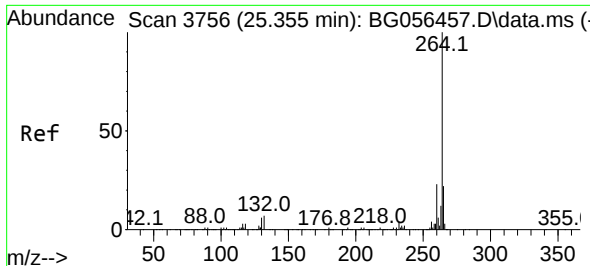
Reviewed By :Christian Giraldo 02/10/2023
Supervised By :Jagrut Upadhyay 02/10/2023



#83
Chrysene
Concen: 4.247 ng m
RT: 21.961 min Scan# 3178
Delta R.T. -0.011 min
Lab File: BG056597.D
Acq: 9 Feb 2023 14:47

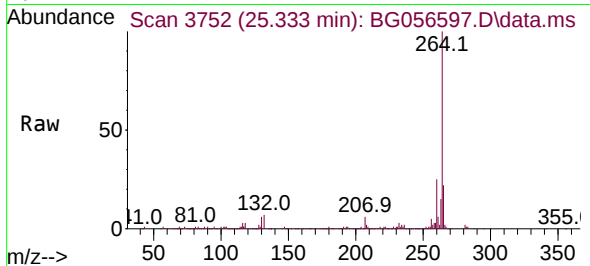
Tgt Ion:228 Resp: 65265
Ion Ratio Lower Upper
228 100
226 31.0 25.0 37.4
229 22.0 16.4 24.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.333 min Scan# 31
Delta R.T. -0.005 min
Lab File: BG056597.D
Acq: 9 Feb 2023 14:47

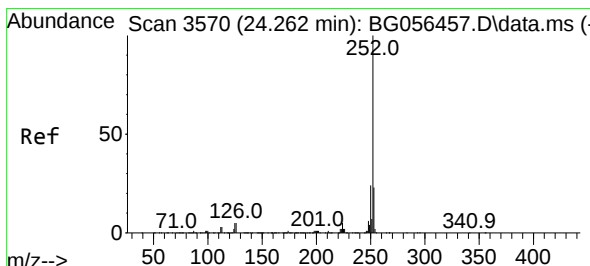
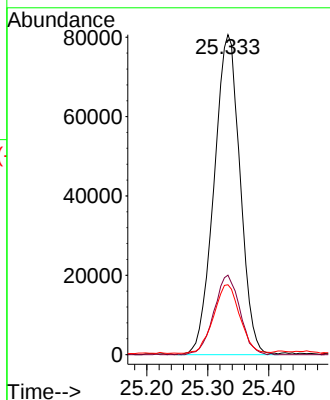
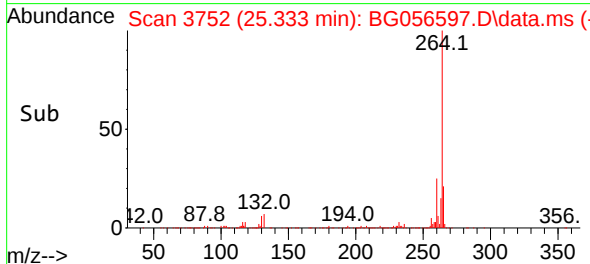
Instrument :
BNA_G
ClientSampleId :
CV-1



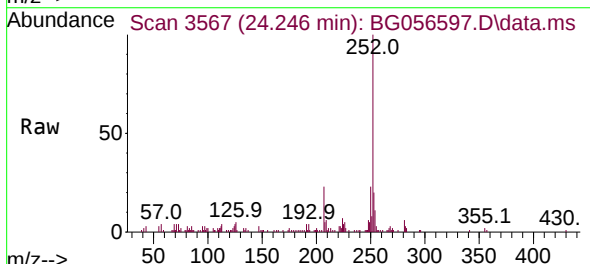
Tgt Ion:264 Resp: 23878
Ion Ratio Lower Upper
264 100
260 24.8 18.2 27.4
265 21.8 18.1 27.1

Manual Integrations
APPROVED

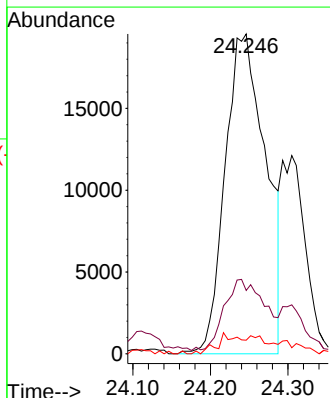
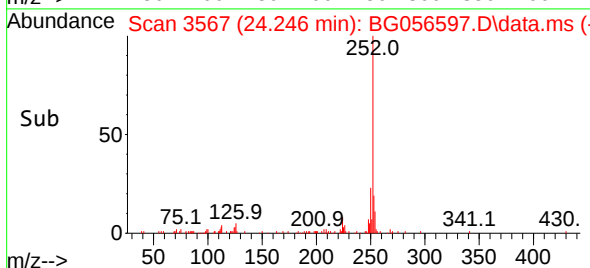
Reviewed By :Christian Giraldo 02/10/2023
Supervised By :Jagrut Upadhyay 02/10/2023

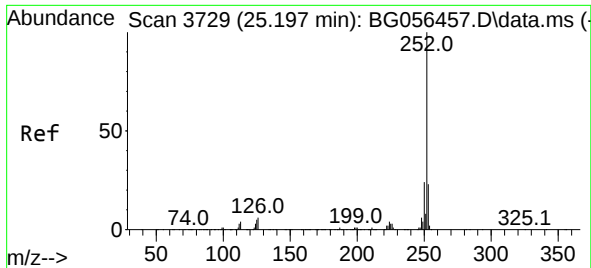


#88
Benzo(b)fluoranthene
Concen: 4.802 ng
RT: 24.246 min Scan# 3567
Delta R.T. -0.005 min
Lab File: BG056597.D
Acq: 9 Feb 2023 14:47



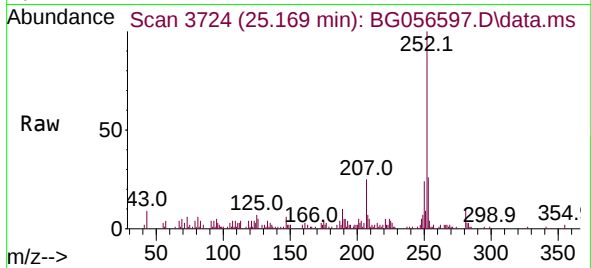
Tgt Ion:252 Resp: 71169
Ion Ratio Lower Upper
252 100
253 19.8 18.1 27.1
125 4.3 3.9 5.9





#90
 Benzo(a)pyrene
 Concen: 3.391 ng m
 RT: 25.169 min Scan# 31
 Delta R.T. -0.011 min
 Lab File: BG056597.D
 Acq: 9 Feb 2023 14:47

Instrument :
 BNA_G
 ClientSampleId :
 CV-1



Tgt Ion:252 Resp: 49511
 Ion Ratio Lower Upper
 252 100
 253 25.6 18.4 27.6
 125 7.4 4.1 6.1

Manual Integrations
 APPROVED

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

