

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020723\
 Data File : BG056577.D
 Acq On : 7 Feb 2023 21:28
 Operator : CG/JU
 Sample : 01445-11 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JPP-34-020323

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 02/08/2023
 Supervised By :Jagrut Upadhyay 02/08/2023

Quant Time: Feb 08 03:08:07 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	8.271	152	52114	20.000	ng	0.00
21) Naphthalene-d8	11.103	136	186423	20.000	ng	0.00
39) Acenaphthene-d10	14.893	164	129846	20.000	ng	0.00
64) Phenanthrene-d10	17.631	188	286017	20.000	ng	0.00
76) Chrysene-d12	21.926	240	260722	20.000	ng	0.00
86) Perylene-d12	25.357	264	233001	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.798	112	105004	37.065	ng	0.00
7) Phenol-d6	7.419	99	148378	35.349	ng	0.00
23) Nitrobenzene-d5	9.446	82	79634	24.257	ng	0.00
42) 2,4,6-Tribromophenol	16.379	330	39274	22.751	ng	0.00
45) 2-Fluorobiphenyl	13.518	172	250065	26.701	ng	0.00
79) Terphenyl-d14	20.204	244	384518	25.903	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.672	178	65457	4.373	ng	99
75) Fluoranthene	19.669	202	163942	8.677	ng	99
78) Pyrene	20.028	202	159443	8.599	ng	99
81) Benzo(a)anthracene	21.902	228	88293	4.844	ng	97
83) Chrysene	21.967	228	80777m	4.717	ng	
88) Benzo(b)fluoranthene	24.264	252	94792	6.554	ng	# 87
89) Benzo(k)fluoranthene	24.317	252	52947m	3.626	ng	
90) Benzo(a)pyrene	25.192	252	68739	4.825	ng	# 92

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

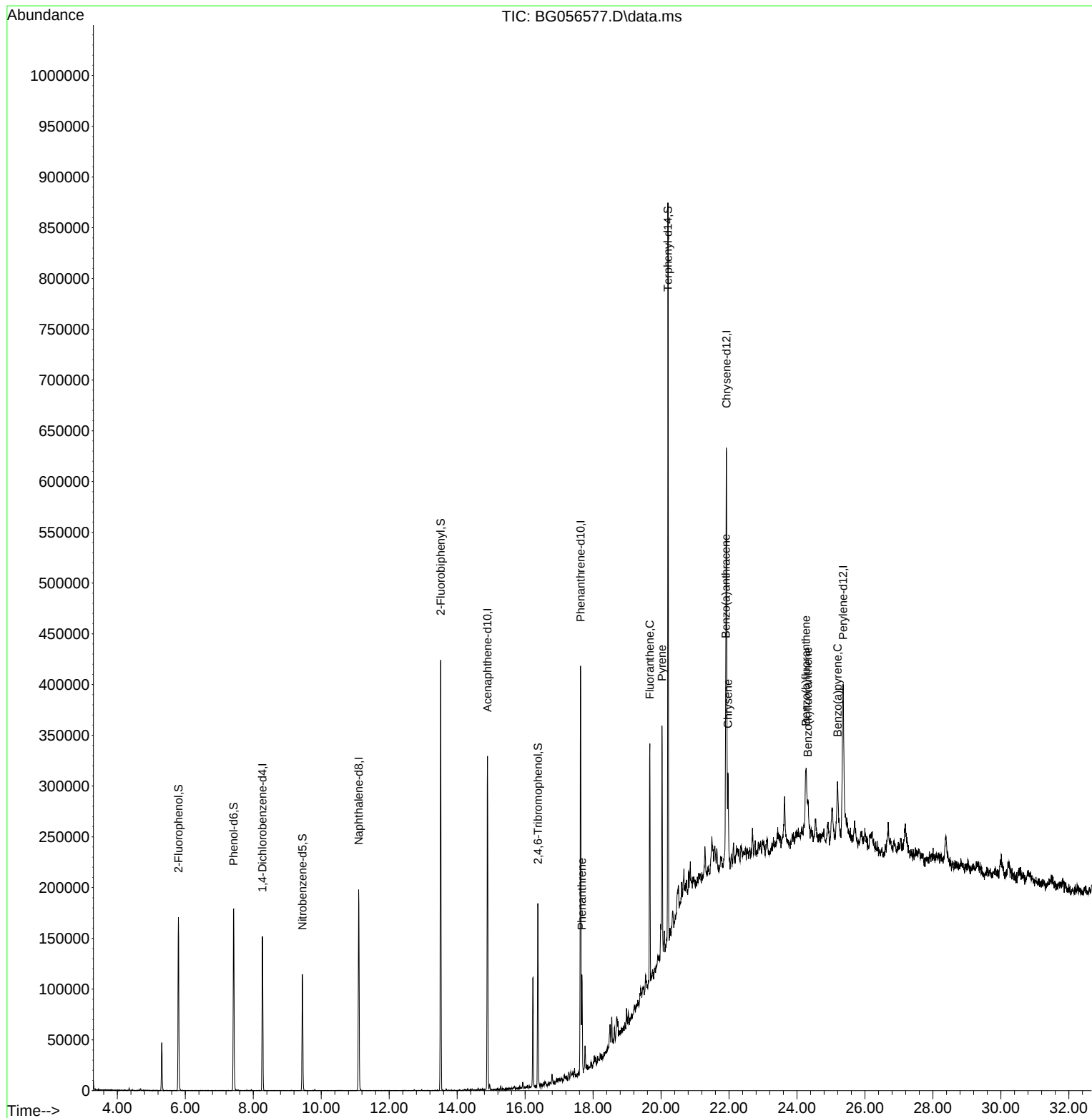
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020723\
Data File : BG056577.D
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Misc :
ALS Vial : 15 Sample Multiplier: 1

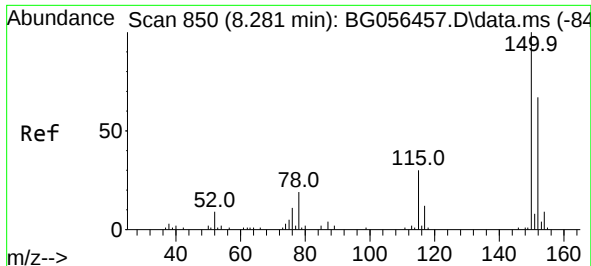
Instrument :
BNA_G
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Quant Time: Feb 08 03:08:07 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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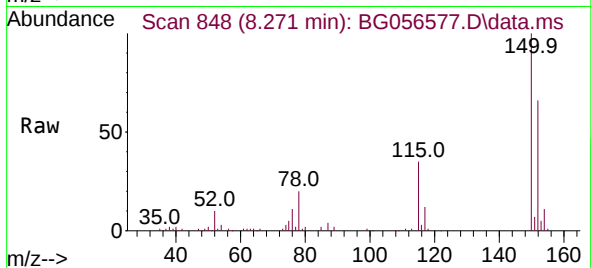
Reviewed By :Christian Giraldo 02/08/2023
Supervised By :Jagrut Upadhyay 02/08/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.271 min Scan# 84
Delta R.T. 0.002 min
Lab File: BG056577.D
Acq: 7 Feb 2023 21:28

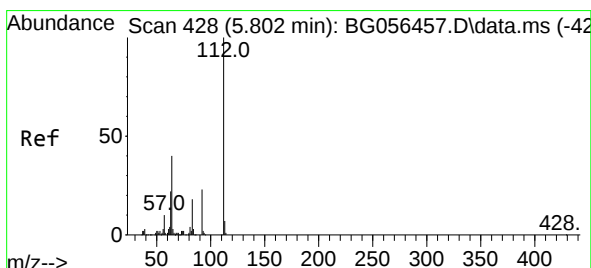
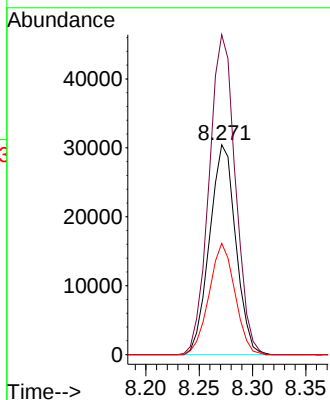
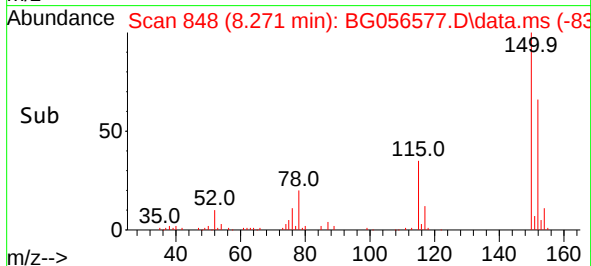
Instrument :
BNA_G
ClientSampleId :
JPP-34-020323



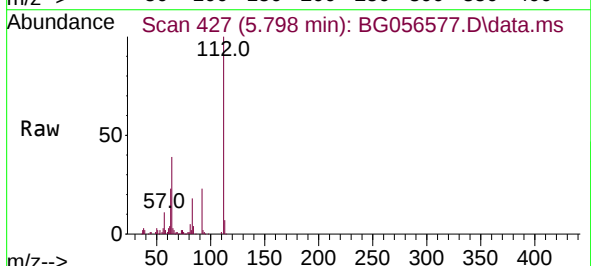
Tgt Ion:152 Resp: 52114
Ion Ratio Lower Upper
152 100
150 152.5 120.2 180.4
115 53.0 36.3 54.5

Manual Integrations
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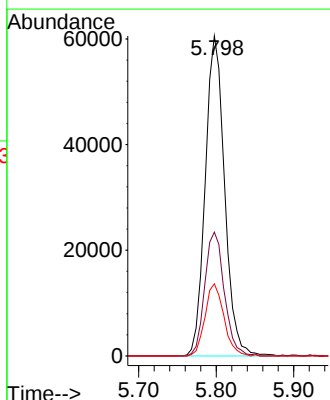
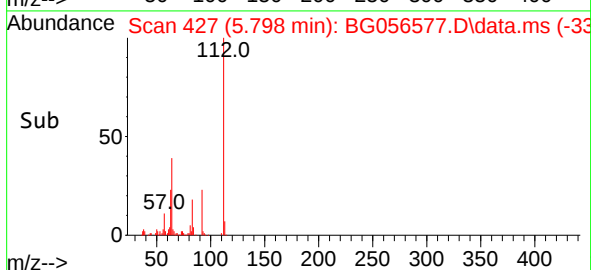
Reviewed By :Christian Giraldo 02/08/2023
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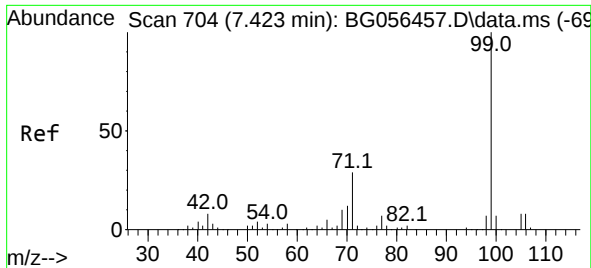


#5
2-Fluorophenol
Concen: 37.065 ng
RT: 5.798 min Scan# 427
Delta R.T. 0.008 min
Lab File: BG056577.D
Acq: 7 Feb 2023 21:28



Tgt Ion:112 Resp: 105004
Ion Ratio Lower Upper
112 100
64 38.7 31.9 47.9
63 22.5 17.4 26.0





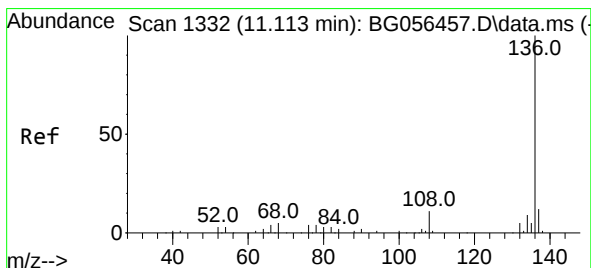
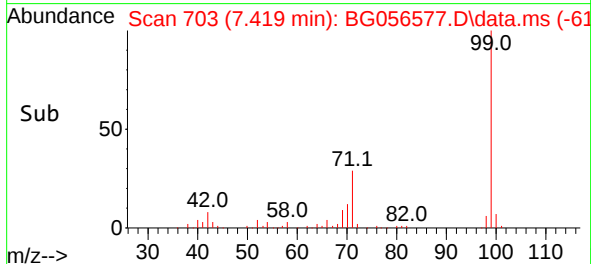
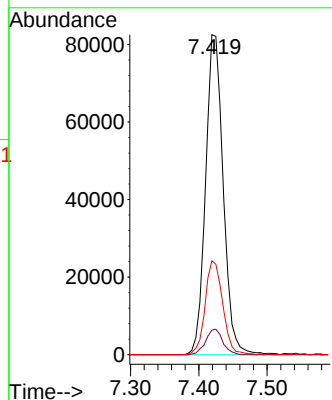
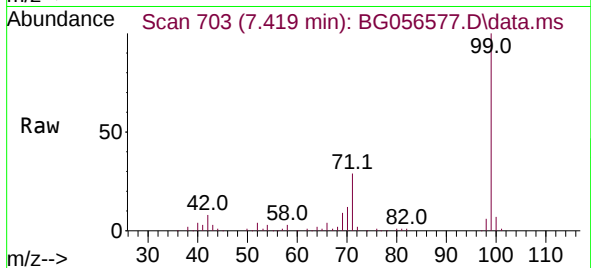
#7
Phenol-d6
Concen: 35.349 ng
RT: 7.419 min Scan# 704
Delta R.T. 0.002 min
Lab File: BG056577.D
Acq: 7 Feb 2023 21:28

Instrument :
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ClientSampleId :
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Tgt Ion: 99 Resp: 148378
Ion Ratio Lower Upper
99 100
42 7.6 6.6 10.0
71 29.3 23.4 35.0

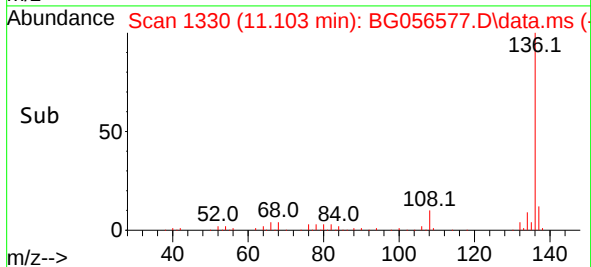
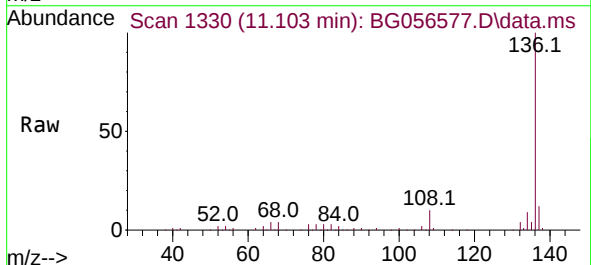
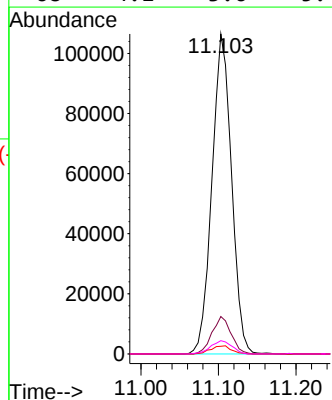
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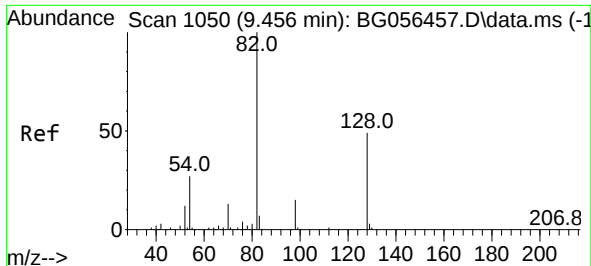
Reviewed By :Christian Giraldo 02/08/2023
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.103 min Scan# 1330
Delta R.T. 0.002 min
Lab File: BG056577.D
Acq: 7 Feb 2023 21:28

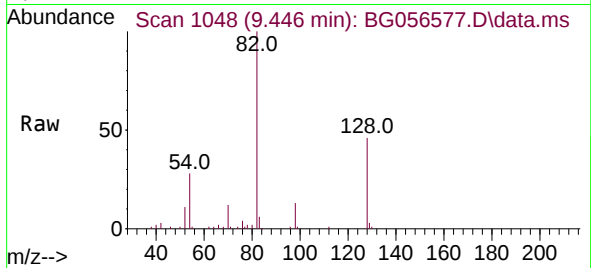
Tgt Ion:136 Resp: 186423
Ion Ratio Lower Upper
136 100
137 11.7 9.4 14.0
54 2.4 2.2 3.4
68 4.1 3.6 5.4





#23
Nitrobenzene-d5
Concen: 24.257 ng
RT: 9.446 min Scan# 1048
Delta R.T. 0.002 min
Lab File: BG056577.D
Acq: 7 Feb 2023 21:28

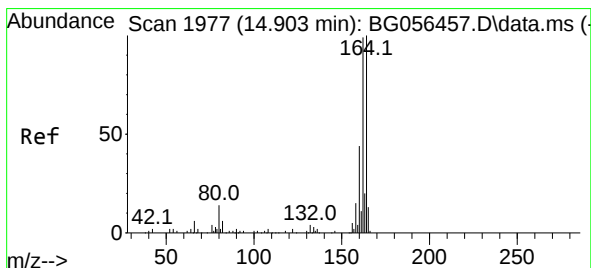
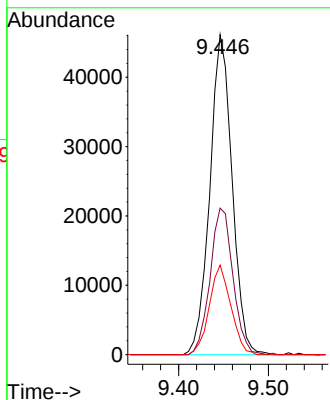
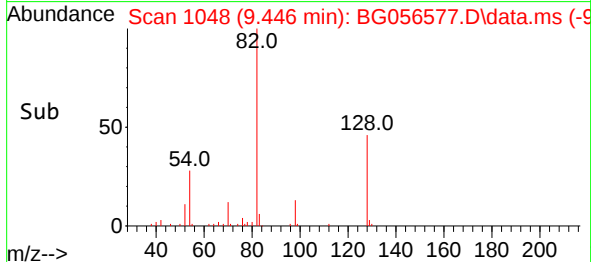
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Tgt Ion: 82 Resp: 79634
Ion Ratio Lower Upper
82 100
128 45.8 39.4 59.2
54 28.0 21.4 32.2

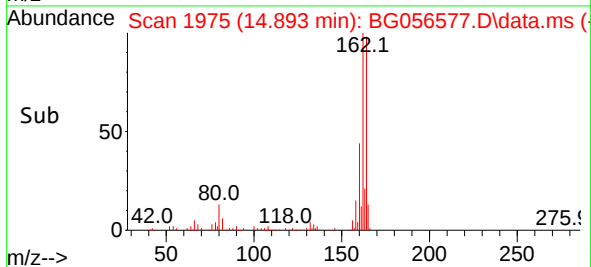
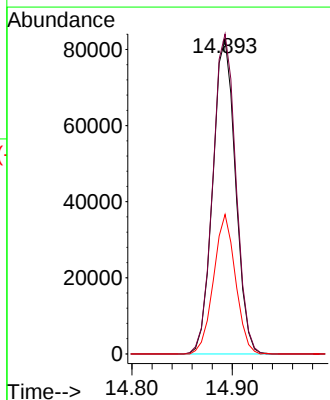
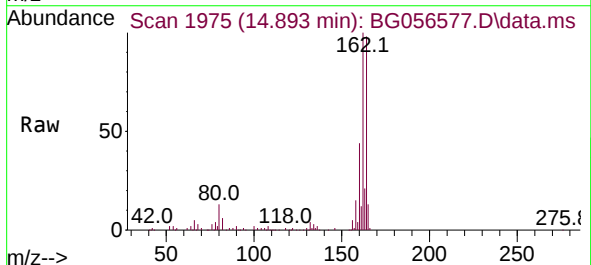
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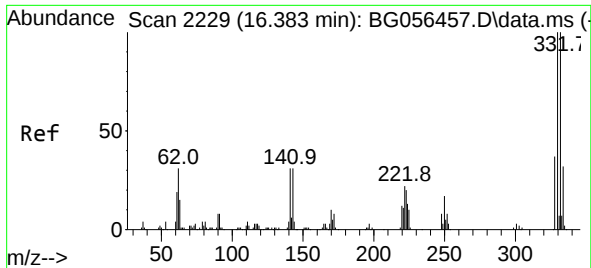
Reviewed By :Christian Giraldo 02/08/2023
Supervised By :Jagrut Upadhyay 02/08/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.893 min Scan# 1975
Delta R.T. 0.002 min
Lab File: BG056577.D
Acq: 7 Feb 2023 21:28

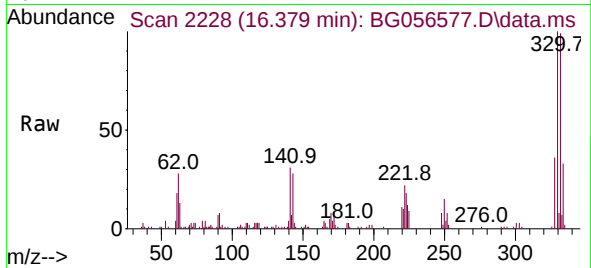
Tgt Ion:164 Resp: 129846
Ion Ratio Lower Upper
164 100
162 101.5 79.6 119.4
160 44.3 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 22.751 ng
RT: 16.379 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG056577.D
Acq: 7 Feb 2023 21:28

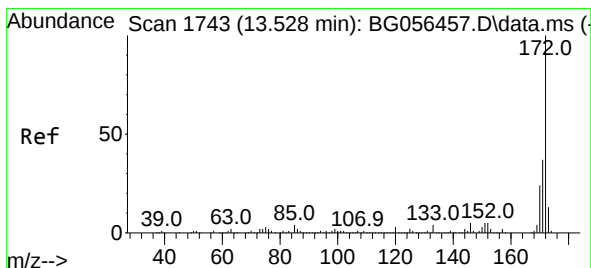
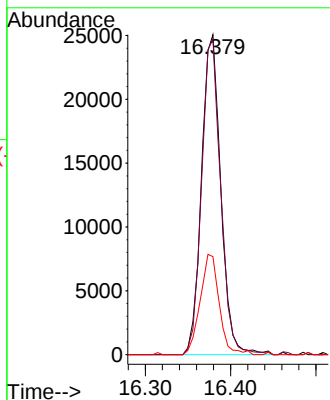
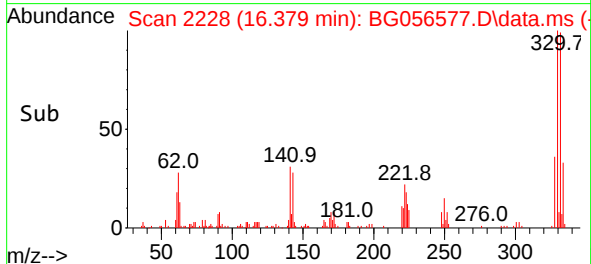
Instrument :
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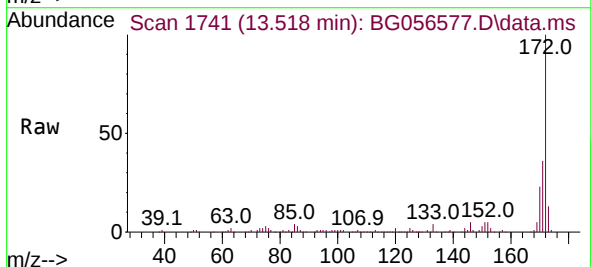
Tgt Ion:330 Resp: 39274
Ion Ratio Lower Upper
330 100
332 97.6 79.0 118.6
141 31.0 24.2 36.4

Manual Integrations
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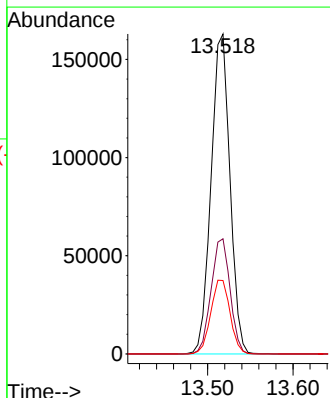
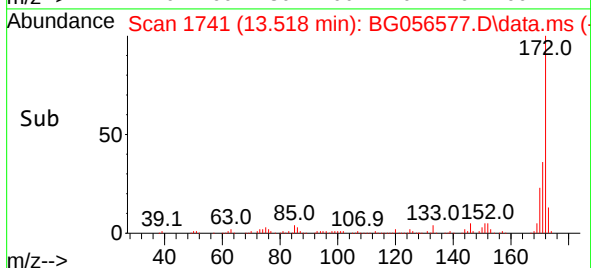
Reviewed By :Christian Giraldo 02/08/2023
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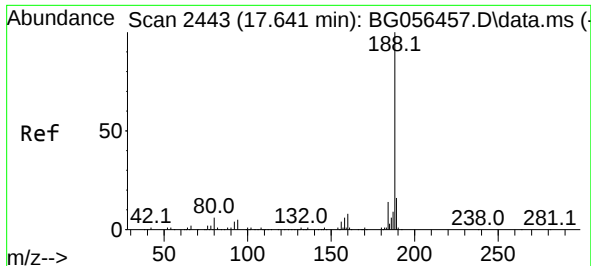


#45
2-Fluorobiphenyl
Concen: 26.701 ng
RT: 13.518 min Scan# 1741
Delta R.T. 0.002 min
Lab File: BG056577.D
Acq: 7 Feb 2023 21:28



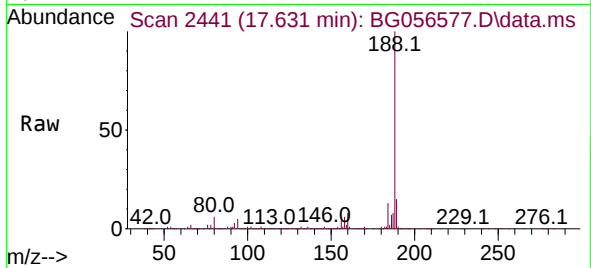
Tgt Ion:172 Resp: 250065
Ion Ratio Lower Upper
172 100
171 36.0 29.5 44.3
170 22.9 19.2 28.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.631 min Scan# 2443
Delta R.T. 0.002 min
Lab File: BG056577.D
Acq: 7 Feb 2023 21:28

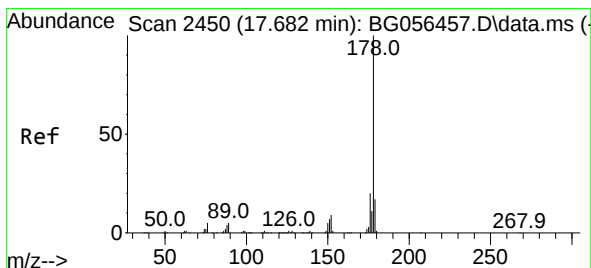
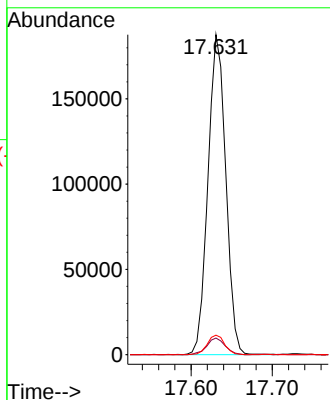
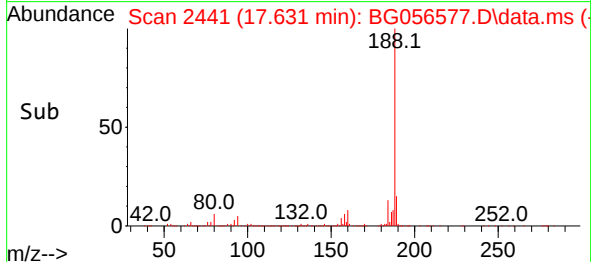
Instrument :
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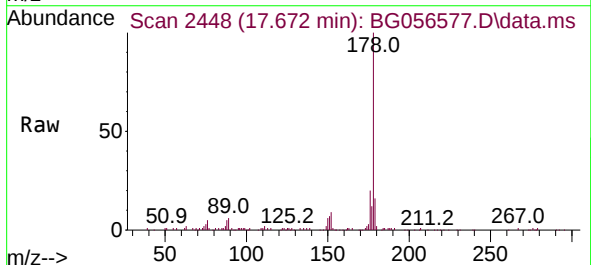
Tgt Ion:188 Resp: 286017
Ion Ratio Lower Upper
188 100
94 5.2 4.1 6.1
80 6.1 5.0 7.4

Manual Integrations
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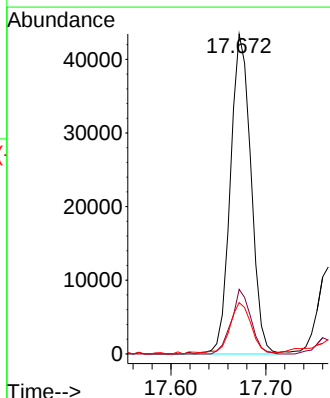
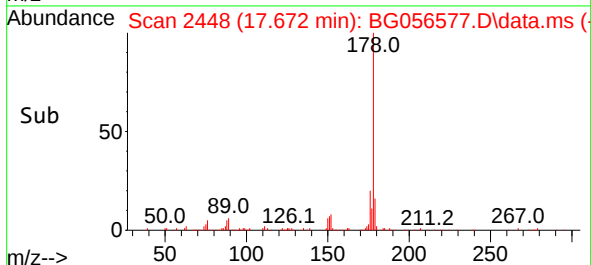
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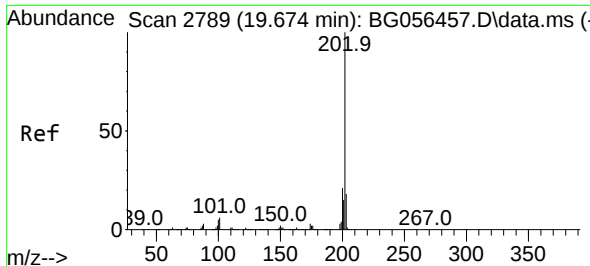


#71
Phenanthrene
Concen: 4.373 ng
RT: 17.672 min Scan# 2448
Delta R.T. 0.002 min
Lab File: BG056577.D
Acq: 7 Feb 2023 21:28



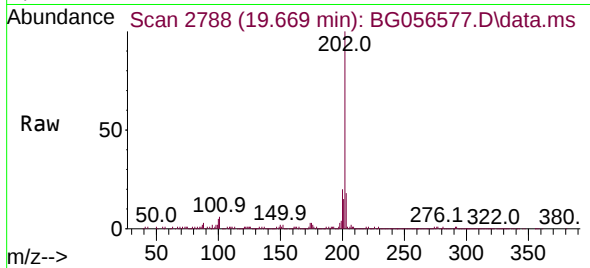
Tgt Ion:178 Resp: 65457
Ion Ratio Lower Upper
178 100
176 20.2 15.6 23.4
179 16.0 13.3 19.9





#75
Fluoranthene
Concen: 8.677 ng
RT: 19.669 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG056577.D
Acq: 7 Feb 2023 21:28

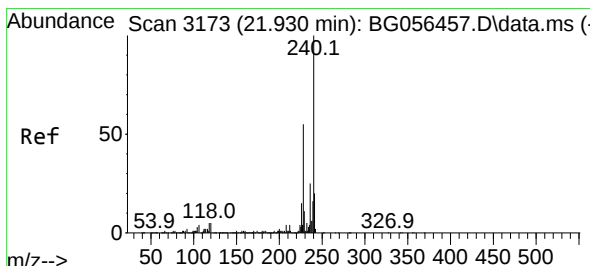
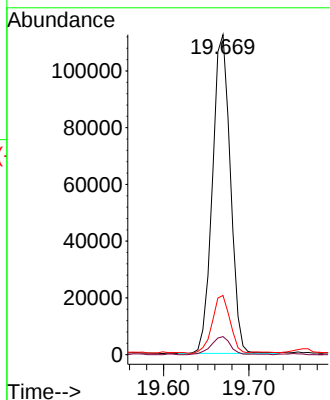
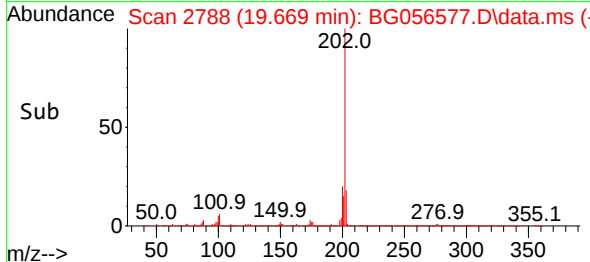
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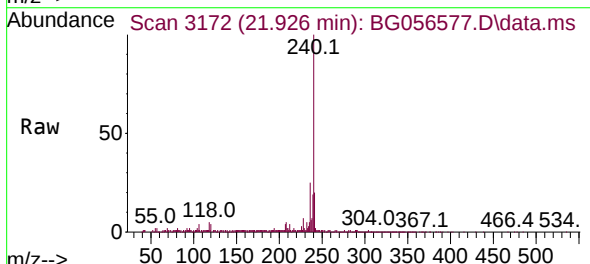
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101 5.6 0.0 25.6
203 18.5 0.0 38.1

Manual Integrations
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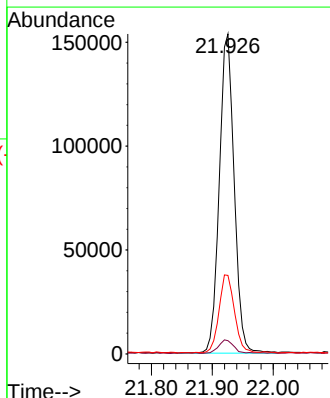
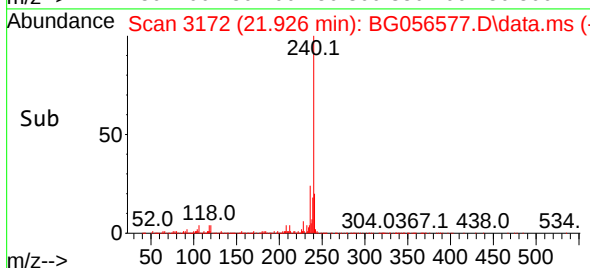
Reviewed By :Christian Giraldo 02/08/2023
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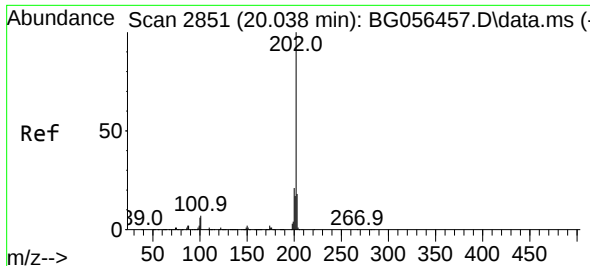


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.926 min Scan# 3172
Delta R.T. 0.002 min
Lab File: BG056577.D
Acq: 7 Feb 2023 21:28



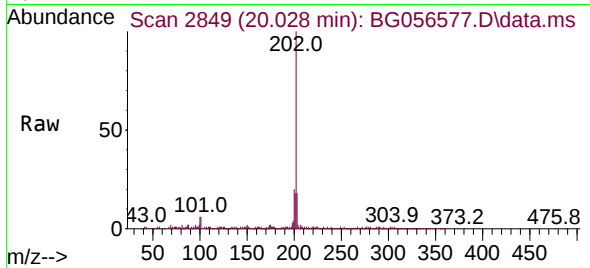
Tgt Ion:240 Resp: 260722
Ion Ratio Lower Upper
240 100
120 4.1 3.8 5.8
236 24.5 20.2 30.2





#78
Pyrene
Concen: 8.599 ng
RT: 20.028 min Scan# 2849
Delta R.T. 0.002 min
Lab File: BG056577.D
Acq: 7 Feb 2023 21:28

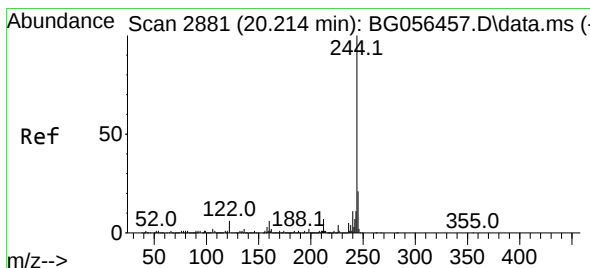
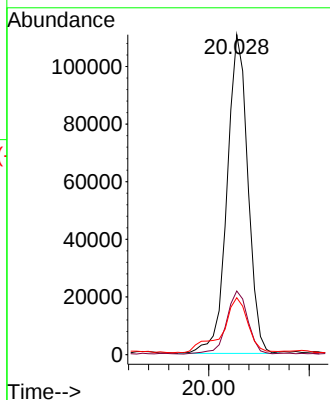
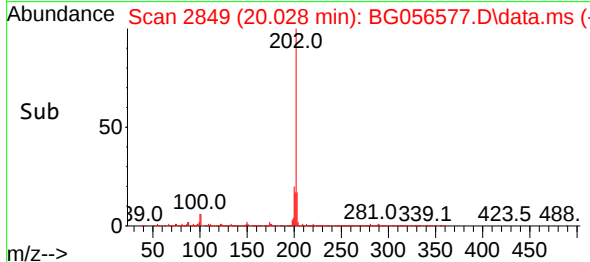
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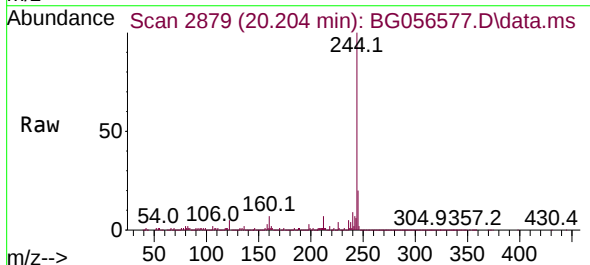
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Ion Ratio Lower Upper
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200 19.9 16.7 25.1
203 17.8 14.4 21.6

Manual Integrations
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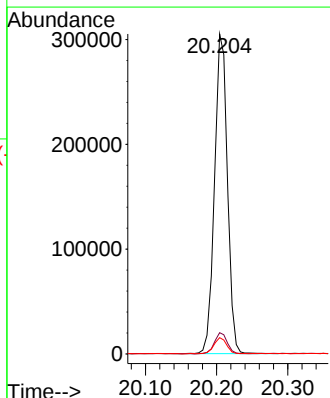
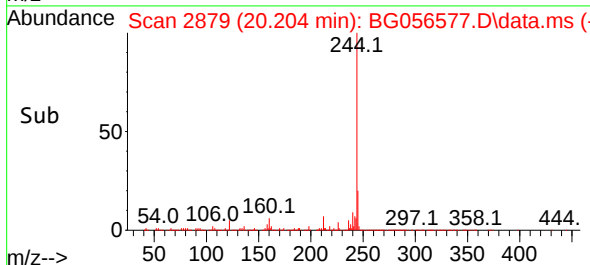
Reviewed By :Christian Giraldo 02/08/2023
Supervised By :Jagrut Upadhyay 02/08/2023

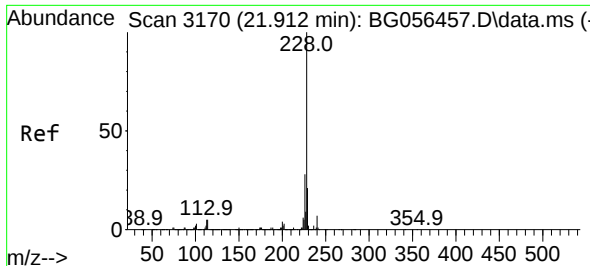


#79
Terphenyl-d14
Concen: 25.903 ng
RT: 20.204 min Scan# 2879
Delta R.T. -0.004 min
Lab File: BG056577.D
Acq: 7 Feb 2023 21:28



Tgt Ion:244 Resp: 384518
Ion Ratio Lower Upper
244 100
212 6.6 5.5 8.3
122 5.1 4.4 6.6





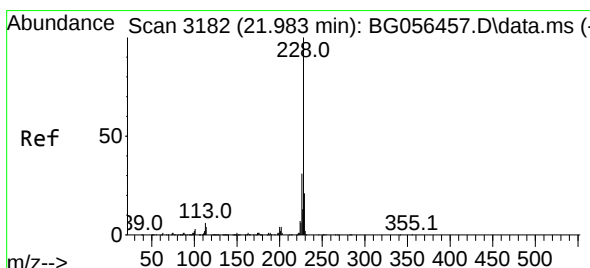
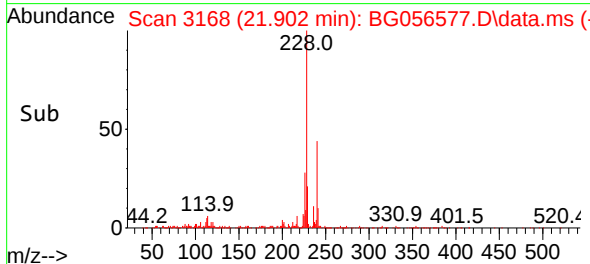
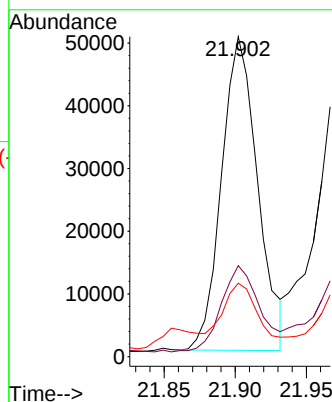
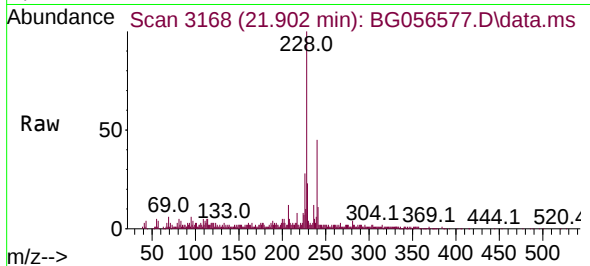
#81
Benzo(a)anthracene
Concen: 4.844 ng
RT: 21.902 min Scan# 3170
Delta R.T. 0.002 min
Lab File: BG056577.D
Acq: 7 Feb 2023 21:28

Instrument :
BNA_G
ClientSampleId :
JPP-34-020323

Tgt Ion:228 Resp: 88293
Ion Ratio Lower Upper
228 100
226 28.4 22.4 33.6
229 22.9 16.5 24.7

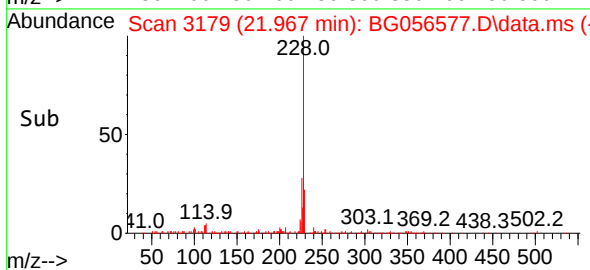
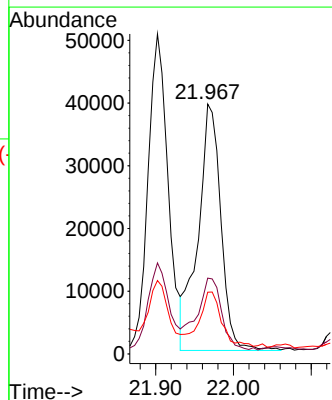
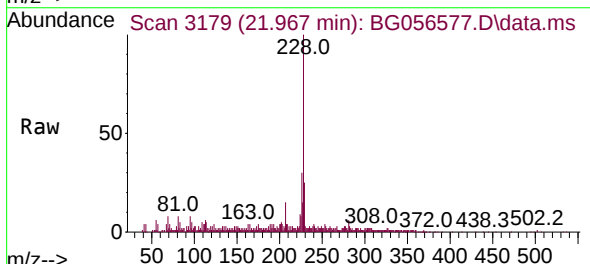
Manual Integrations
APPROVED

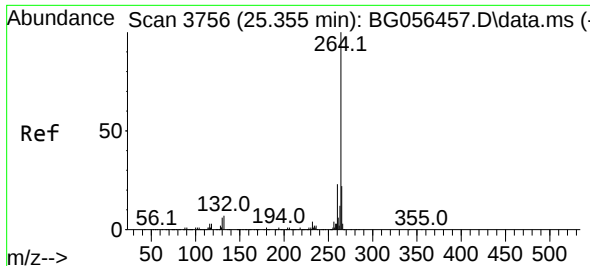
Reviewed By :Christian Giraldo 02/08/2023
Supervised By :Jagrut Upadhyay 02/08/2023



#83
Chrysene
Concen: 4.717 ng m
RT: 21.967 min Scan# 3179
Delta R.T. -0.004 min
Lab File: BG056577.D
Acq: 7 Feb 2023 21:28

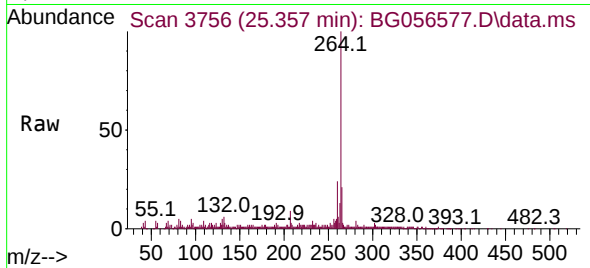
Tgt Ion:228 Resp: 80777
Ion Ratio Lower Upper
228 100
226 30.3 25.0 37.4
229 24.7 16.4 24.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.357 min Scan# 31
Delta R.T. 0.019 min
Lab File: BG056577.D
Acq: 7 Feb 2023 21:28

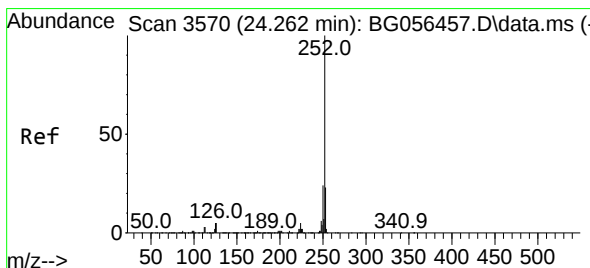
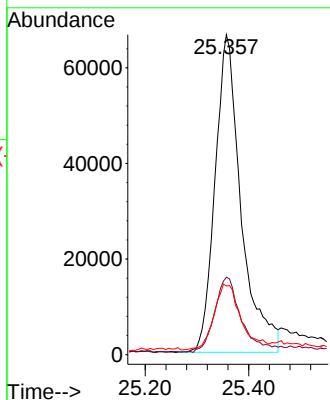
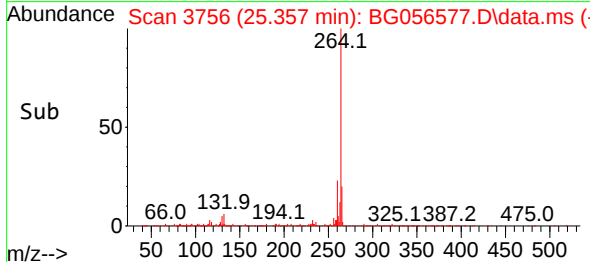
Instrument :
BNA_G
ClientSampleId :
JPP-34-020323



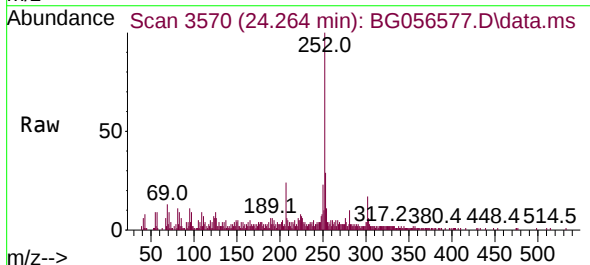
Tgt Ion:264 Resp: 233001
Ion Ratio Lower Upper
264 100
260 24.2 18.2 27.4
265 21.4 18.1 27.1

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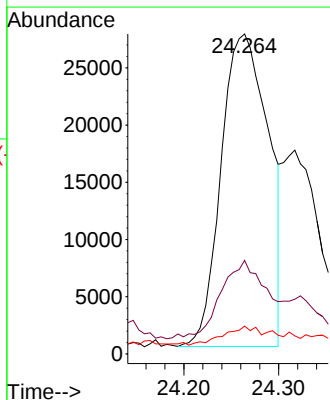
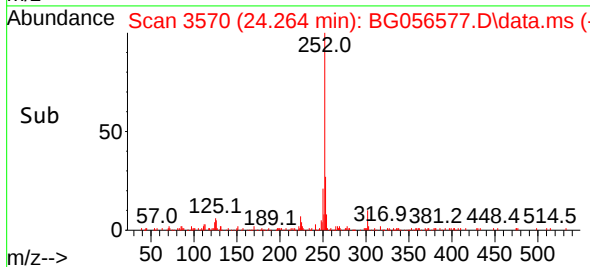
Reviewed By :Christian Giraldo 02/08/2023
Supervised By :Jagrut Upadhyay 02/08/2023

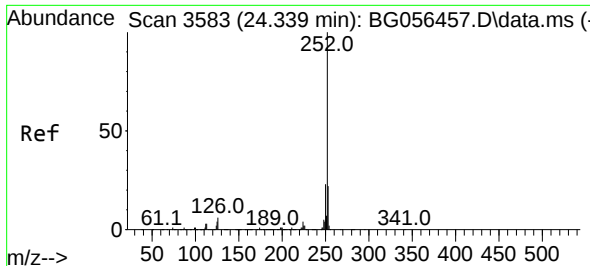


#88
Benzo(b)fluoranthene
Concen: 6.554 ng
RT: 24.264 min Scan# 3570
Delta R.T. 0.013 min
Lab File: BG056577.D
Acq: 7 Feb 2023 21:28



Tgt Ion:252 Resp: 94792
Ion Ratio Lower Upper
252 100
253 29.3 18.1 27.1#
125 8.7 3.9 5.9#





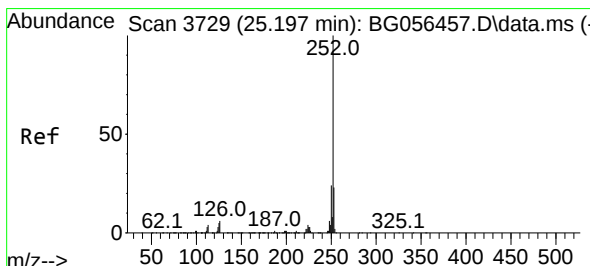
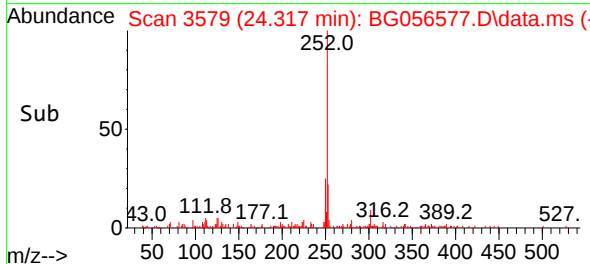
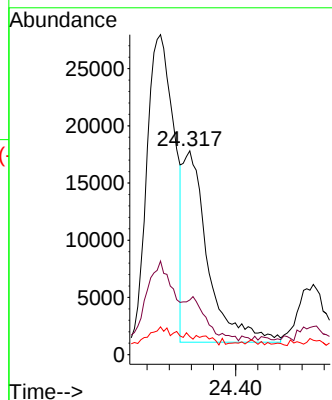
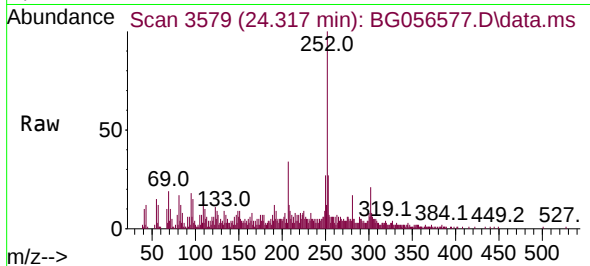
#89
Benzo(k)fluoranthene
Concen: 3.626 ng m
RT: 24.317 min Scan# 3579
Delta R.T. -0.004 min
Lab File: BG056577.D
Acq: 7 Feb 2023 21:28

Instrument :
BNA_G
ClientSampleId :
JPP-34-020323

Tgt Ion:252 Resp: 52947
Ion Ratio Lower Upper
252 100
253 26.8 17.5 26.3
125 8.8 3.4 5.0

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/08/2023
Supervised By :Jagrut Upadhyay 02/08/2023



#90
Benzo(a)pyrene
Concen: 4.825 ng
RT: 25.192 min Scan# 3728
Delta R.T. 0.013 min
Lab File: BG056577.D
Acq: 7 Feb 2023 21:28

Tgt Ion:252 Resp: 68739
Ion Ratio Lower Upper
252 100
253 27.0 18.4 27.6
125 8.3 4.1 6.1

