

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011323\
 Data File : BG056283.D
 Acq On : 13 Jan 2023 18:38
 Operator : CG/JU
 Sample : 01135-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-D

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 01/16/2023
 Supervised By : Jagrut Upadhyay 01/16/2023

Quant Time: Jan 16 00:23:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 12 03:38:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.320	152	41590	20.000	ng	0.00
21) Naphthalene-d8	11.152	136	160954	20.000	ng	0.00
39) Acenaphthene-d10	14.930	164	134752	20.000	ng	0.00
64) Phenanthrene-d10	17.668	188	353619	20.000	ng	0.00
76) Chrysene-d12	21.962	240	340373	20.000	ng	# 0.00
86) Perylene-d12	25.406	264	375741	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.834	112	271272	116.460	ng	0.00
7) Phenol-d6	7.450	99	393156	109.907	ng	0.00
23) Nitrobenzene-d5	9.489	82	203775	64.760	ng	0.00
42) 2,4,6-Tribromophenol	16.410	330	189176	110.849	ng	0.00
45) 2-Fluorobiphenyl	13.555	172	654068	67.027	ng	0.00
79) Terphenyl-d14	20.241	244	1237203	65.102	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.709	178	86137	4.700	ng	100
72) Anthracene	17.797	178	51593	2.729	ng	99
75) Fluoranthene	19.700	202	413315	17.290	ng	98
78) Pyrene	20.059	202	354282	14.767	ng	99
81) Benzo(a)anthracene	21.939	228	203899	8.529	ng	99
83) Chrysene	22.009	228	196357	8.768	ng	100
87) Indeno(1,2,3-cd)pyrene	29.354	276	156356	5.722	ng	# 96
88) Benzo(b)fluoranthene	24.307	252	277656m	11.630	ng	
89) Benzo(k)fluoranthene	24.371	252	107558m	4.524	ng	
90) Benzo(a)pyrene	25.241	252	211195	9.070	ng	# 97
92) Benzo(g,h,i)perylene	30.599	276	147160	6.624	ng	97

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

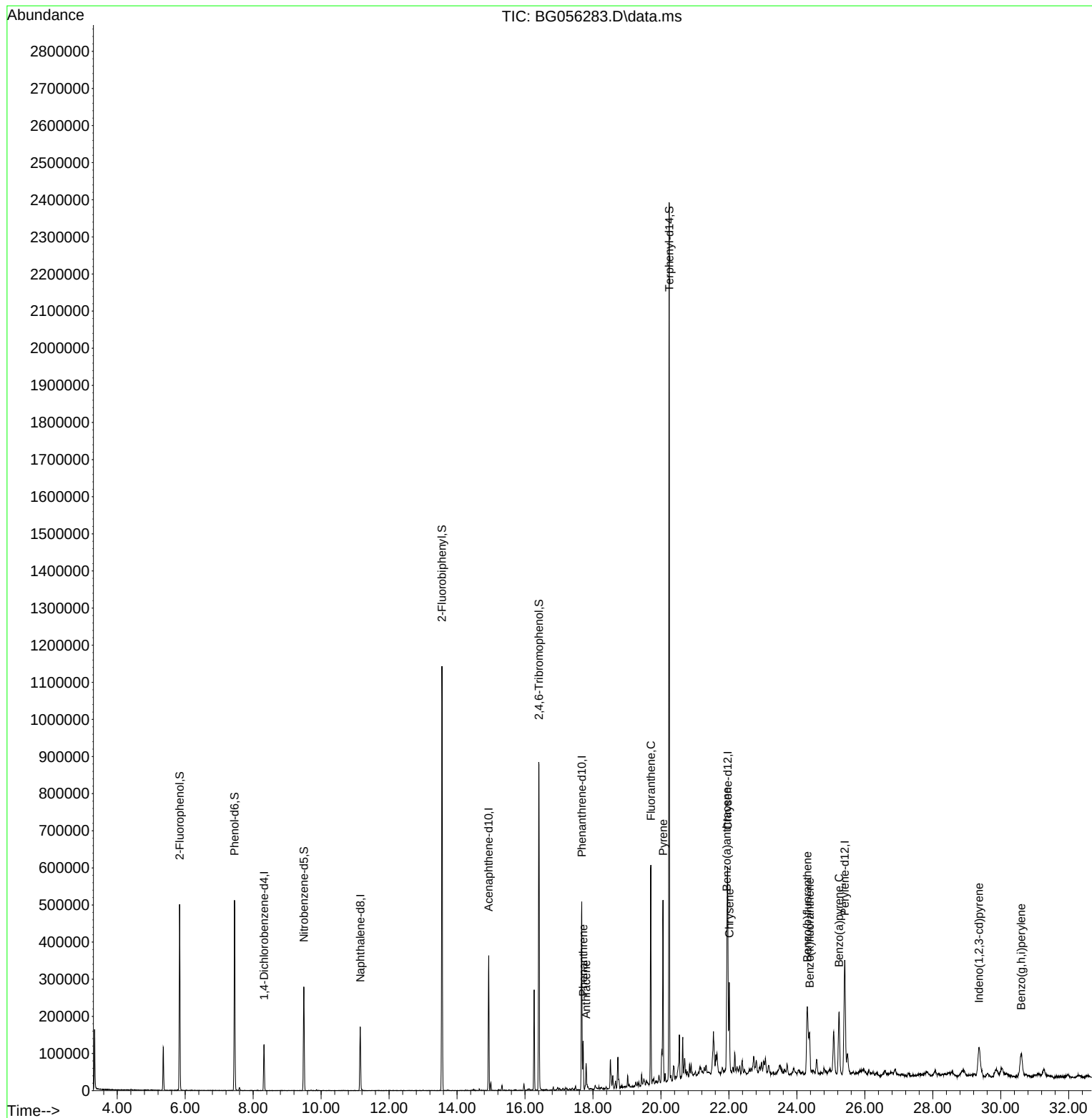
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011323\
Data File : BG056283.D
Acq On : 13 Jan 2023 18:38
Operator : CG/JU
Sample : 01135-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

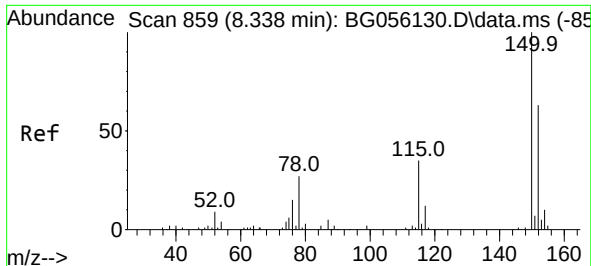
Instrument :
BNA_G
ClientSampleId :
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Quant Time: Jan 16 00:23:56 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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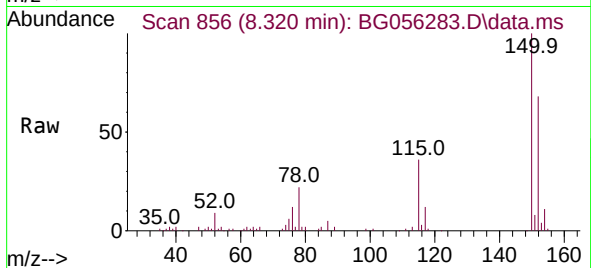
Reviewed By : Christian Giraldo 01/16/2023
Supervised By : Jagrut Upadhyay 01/16/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.320 min Scan# 859
Delta R.T. 0.003 min
Lab File: BG056283.D
Acq: 13 Jan 2023 18:38

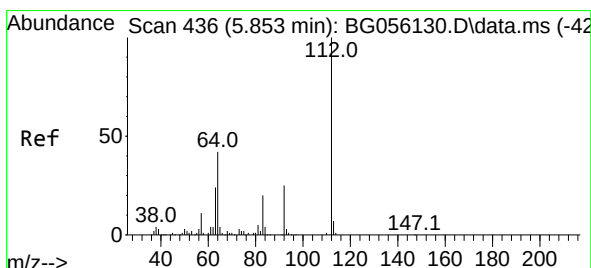
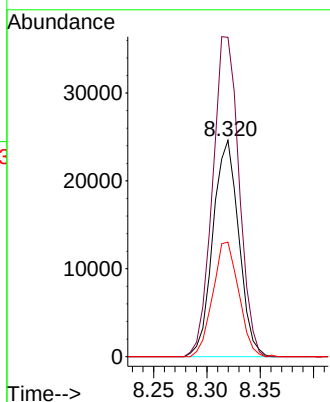
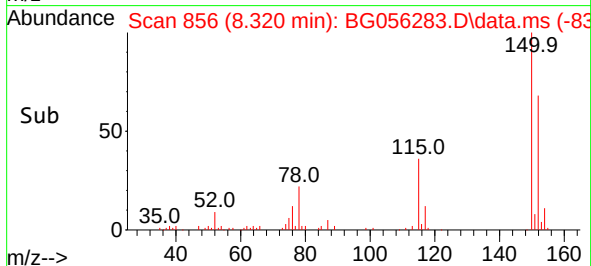
Instrument :
BNA_G
ClientSampleId :
TP-D



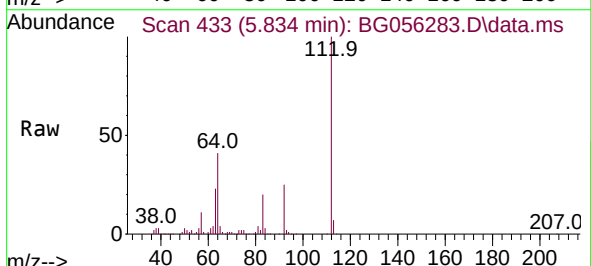
Tgt Ion:152 Resp: 41590
Ion Ratio Lower Upper
152 100
150 147.7 127.9 191.9
115 52.9 44.2 66.2

Manual Integrations
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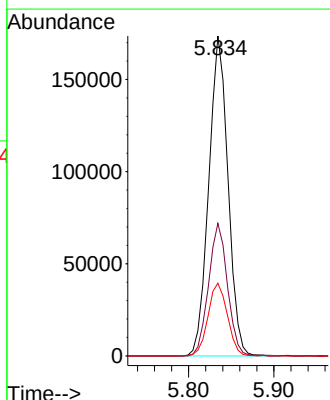
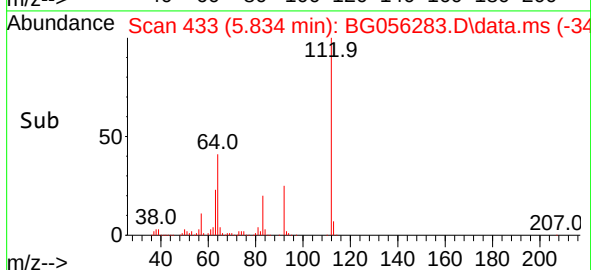
Reviewed By :Christian Giraldo 01/16/2023
Supervised By :Jagrut Upadhyay 01/16/2023

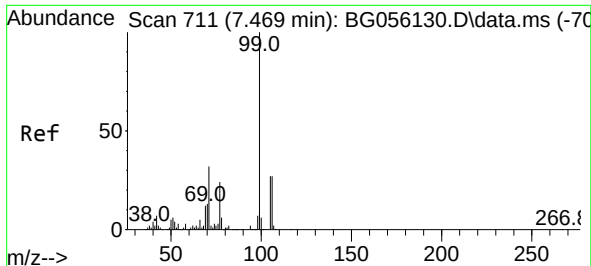


#5
2-Fluorophenol
Concen: 116.460 ng
RT: 5.834 min Scan# 433
Delta R.T. 0.009 min
Lab File: BG056283.D
Acq: 13 Jan 2023 18:38



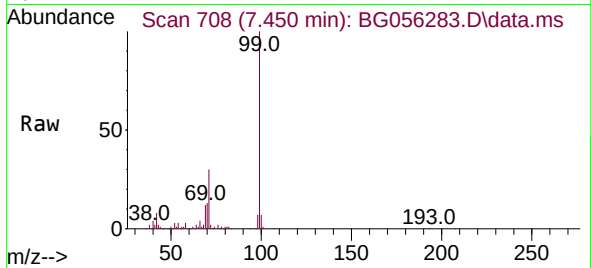
Tgt Ion:112 Resp: 271272
Ion Ratio Lower Upper
112 100
64 41.4 33.3 49.9
63 22.8 19.0 28.4





#7
Phenol-d6
Concen: 109.907 ng
RT: 7.450 min Scan# 70
Delta R.T. 0.003 min
Lab File: BG056283.D
Acq: 13 Jan 2023 18:38

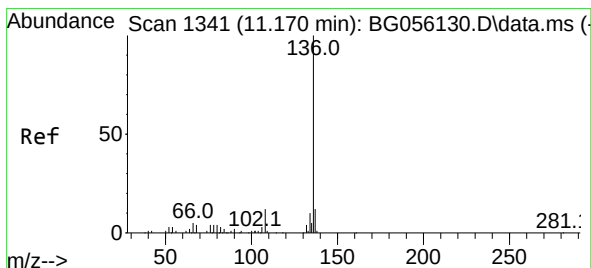
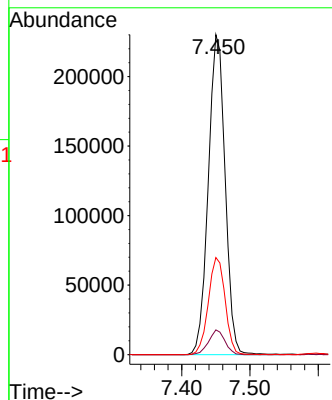
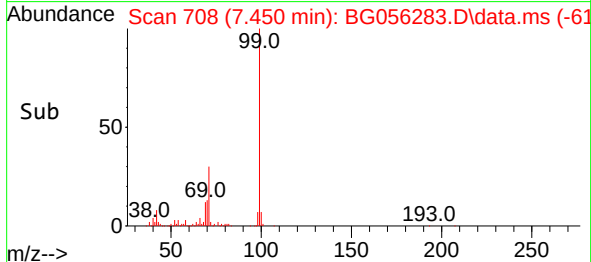
Instrument :
BNA_G
ClientSampleId :
TP-D



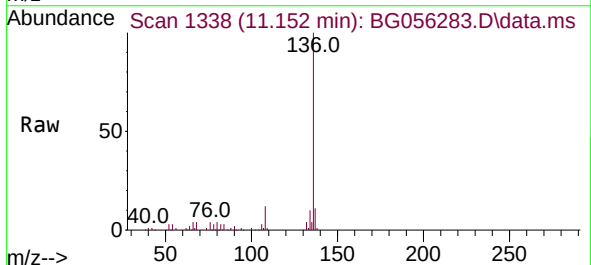
Tgt Ion: 99 Resp: 393156
Ion Ratio Lower Upper
99 100
42 7.7 5.9 8.9
71 30.4 25.4 38.2

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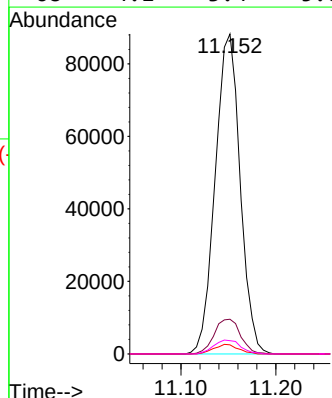
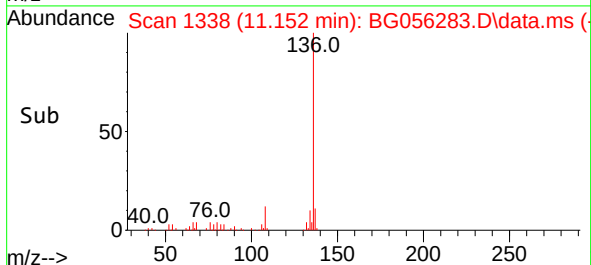
Reviewed By :Christian Giraldo 01/16/2023
Supervised By :Jagrut Upadhyay 01/16/2023

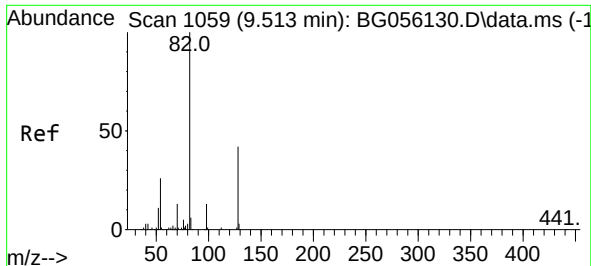


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.152 min Scan# 1338
Delta R.T. 0.003 min
Lab File: BG056283.D
Acq: 13 Jan 2023 18:38



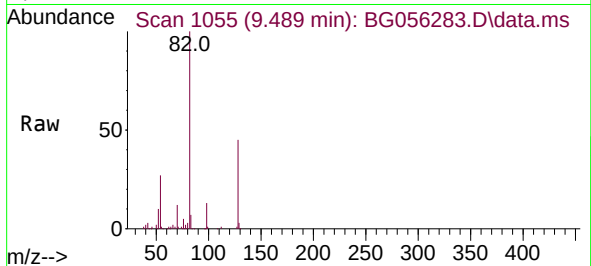
Tgt Ion:136 Resp: 160954
Ion Ratio Lower Upper
136 100
137 10.8 9.4 14.0
54 2.9 2.2 3.2
68 4.1 3.4 5.0





#23
Nitrobenzene-d5
Concen: 64.760 ng
RT: 9.489 min Scan# 1055
Delta R.T. -0.003 min
Lab File: BG056283.D
Acq: 13 Jan 2023 18:38

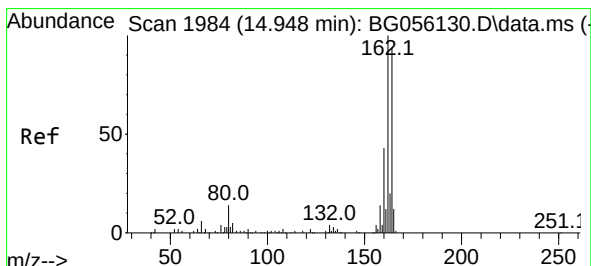
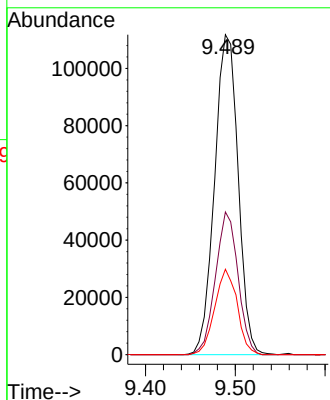
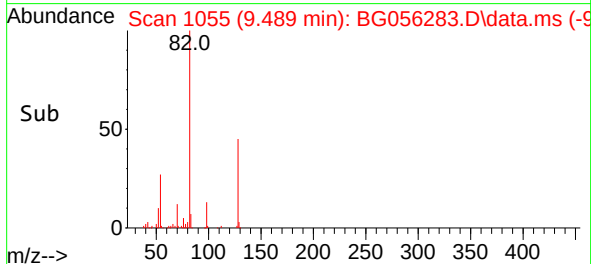
Instrument :
BNA_G
ClientSampleId :
TP-D



Tgt Ion: 82 Resp: 203775
Ion Ratio Lower Upper
82 100
128 44.6 33.4 50.2
54 26.7 20.3 30.5

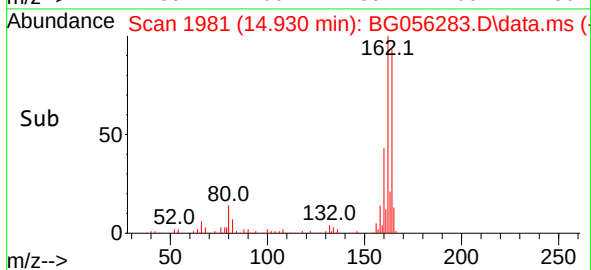
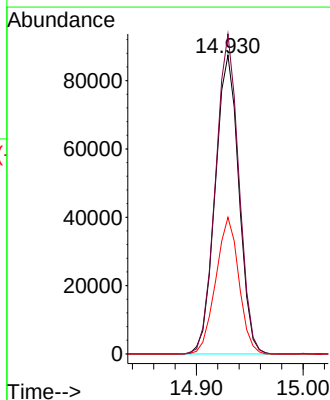
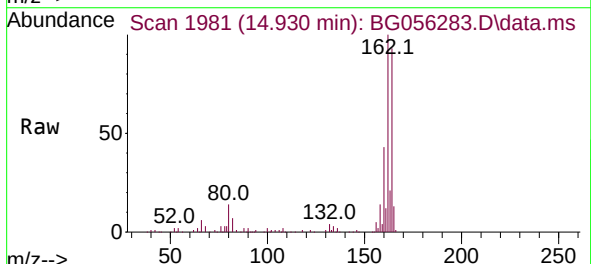
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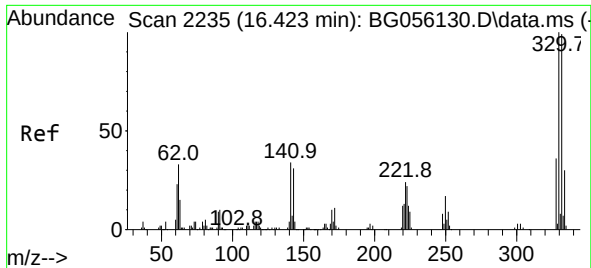
Reviewed By :Christian Giraldo 01/16/2023
Supervised By :Jagrut Upadhyay 01/16/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.930 min Scan# 1981
Delta R.T. 0.003 min
Lab File: BG056283.D
Acq: 13 Jan 2023 18:38

Tgt Ion:164 Resp: 134752
Ion Ratio Lower Upper
164 100
162 107.2 84.7 127.1
160 45.8 36.3 54.5





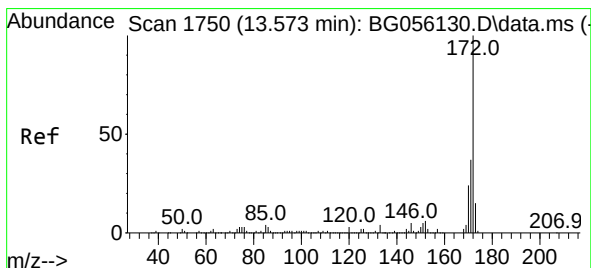
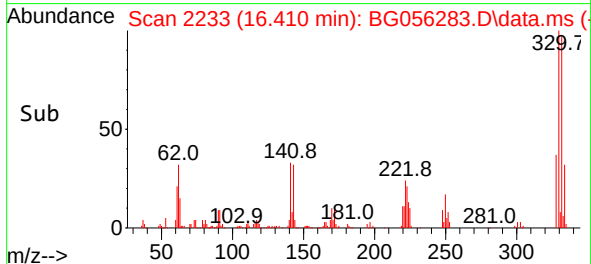
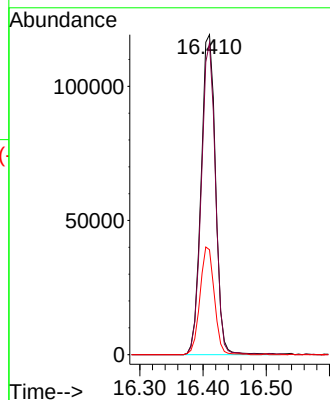
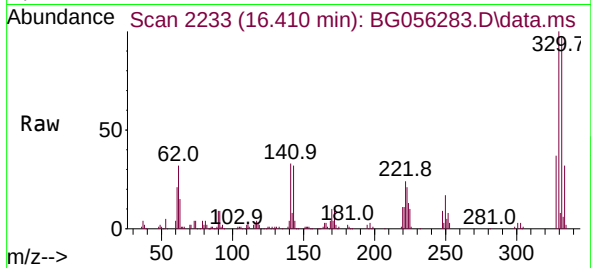
#42
2,4,6-Tribromophenol
Concen: 110.849 ng
RT: 16.410 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG056283.D
Acq: 13 Jan 2023 18:38

Instrument :
BNA_G
ClientSampleId :
TP-D

Tgt Ion:330 Resp: 189176
Ion Ratio Lower Upper
330 100
332 95.2 77.3 115.9
141 33.3 27.9 41.9

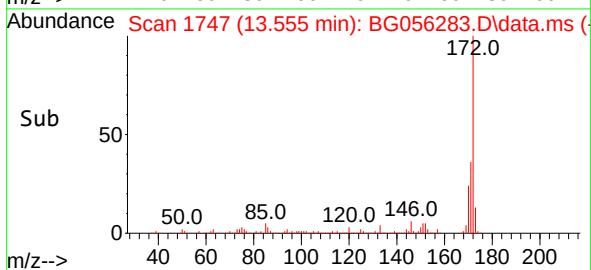
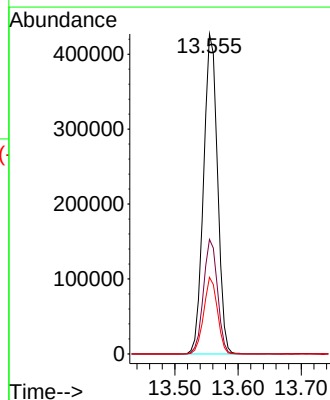
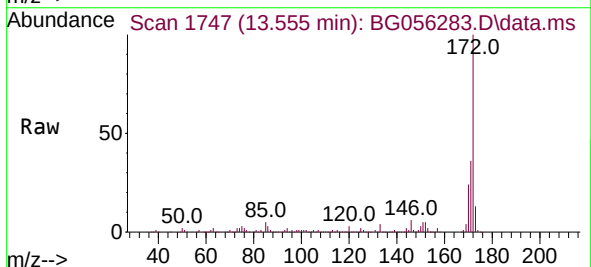
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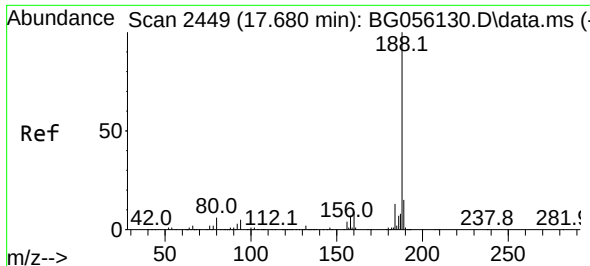
Reviewed By :Christian Giraldo 01/16/2023
Supervised By :Jagrut Upadhyay 01/16/2023



#45
2-Fluorobiphenyl
Concen: 67.027 ng
RT: 13.555 min Scan# 1747
Delta R.T. -0.003 min
Lab File: BG056283.D
Acq: 13 Jan 2023 18:38

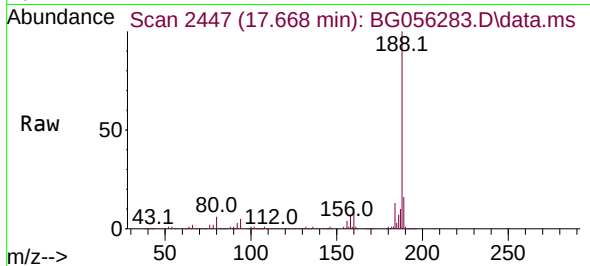
Tgt Ion:172 Resp: 654068
Ion Ratio Lower Upper
172 100
171 35.8 29.6 44.4
170 23.9 19.4 29.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.668 min Scan# 2447
Delta R.T. 0.003 min
Lab File: BG056283.D
Acq: 13 Jan 2023 18:38

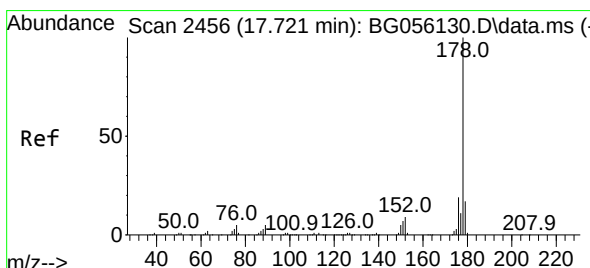
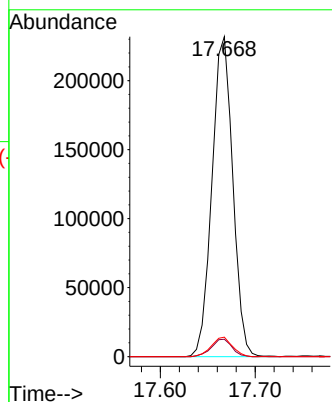
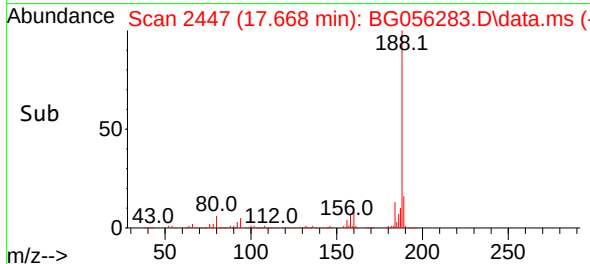
Instrument :
BNA_G
ClientSampleId :
TP-D



Tgt Ion:188 Resp: 353619
Ion Ratio Lower Upper
188 100
94 5.4 4.2 6.2
80 6.1 5.0 7.4

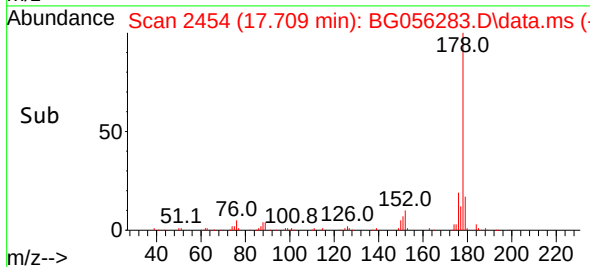
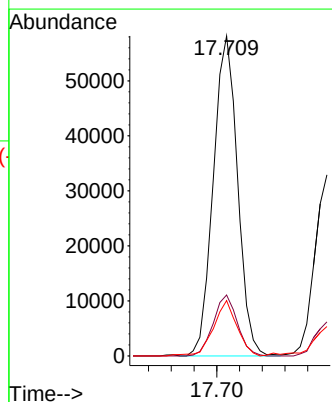
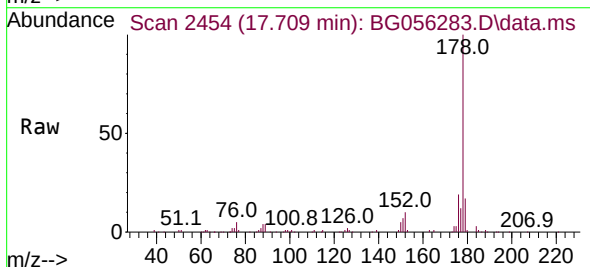
Manual Integrations
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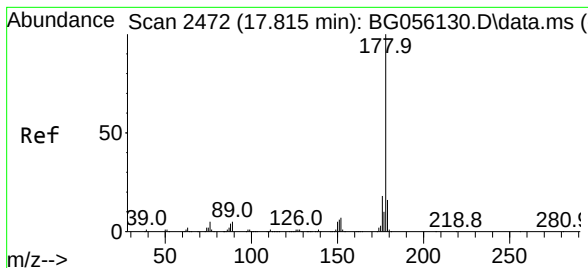
Reviewed By :Christian Giraldo 01/16/2023
Supervised By :Jagrut Upadhyay 01/16/2023



#71
Phenanthrene
Concen: 4.700 ng
RT: 17.709 min Scan# 2454
Delta R.T. -0.003 min
Lab File: BG056283.D
Acq: 13 Jan 2023 18:38

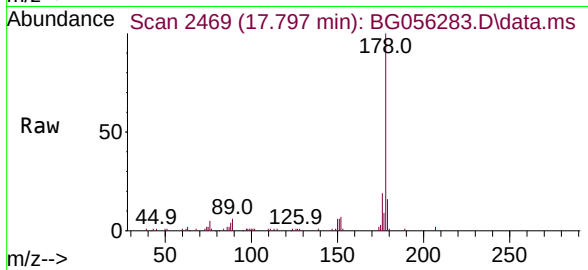
Tgt Ion:178 Resp: 86137
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 17.3 13.6 20.4





#72
 Anthracene
 Concen: 2.729 ng
 RT: 17.797 min Scan# 2472
 Delta R.T. -0.003 min
 Lab File: BG056283.D
 Acq: 13 Jan 2023 18:38

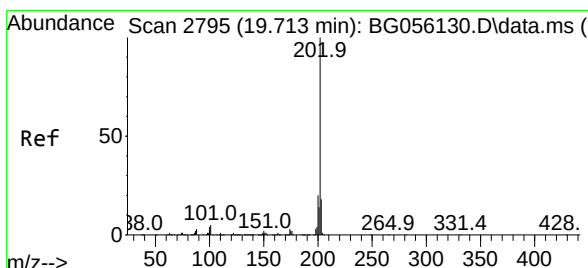
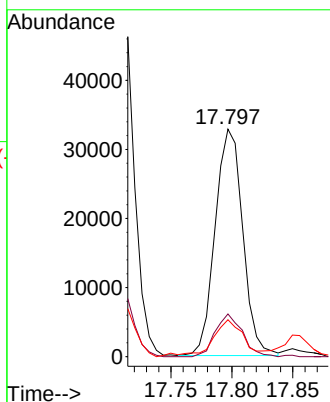
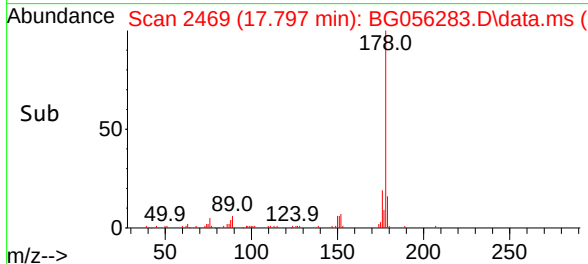
Instrument :
 BNA_G
 ClientSampleId :
 TP-D



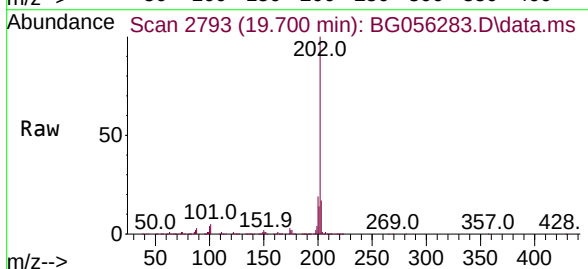
Tgt Ion:178 Resp: 51593
 Ion Ratio Lower Upper
 178 100
 176 18.8 14.6 22.0
 179 16.2 12.7 19.1

Manual Integrations
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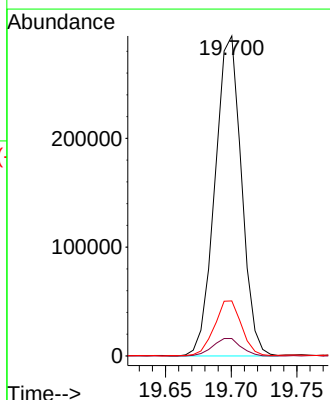
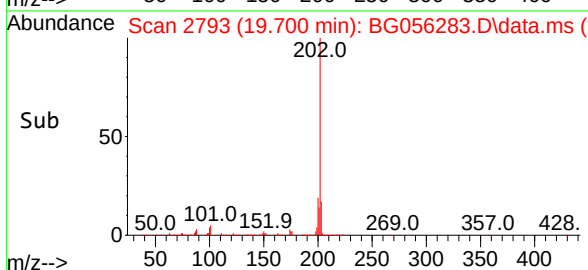
Reviewed By :Christian Giraldo 01/16/2023
 Supervised By :Jagrut Upadhyay 01/16/2023

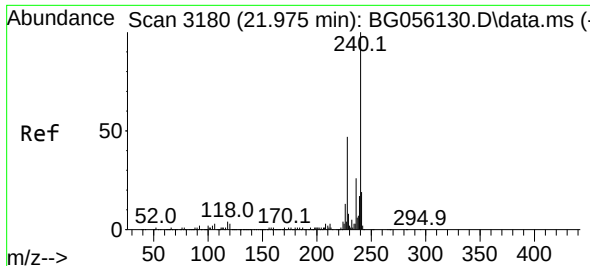


#75
 Fluoranthene
 Concen: 17.290 ng
 RT: 19.700 min Scan# 2793
 Delta R.T. 0.003 min
 Lab File: BG056283.D
 Acq: 13 Jan 2023 18:38



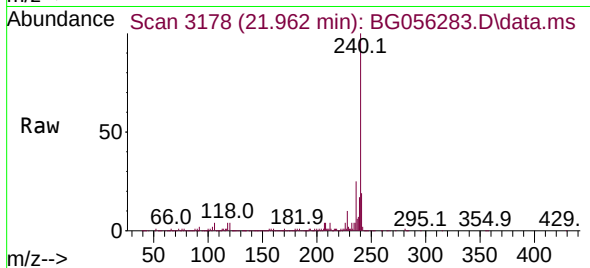
Tgt Ion:202 Resp: 413315
 Ion Ratio Lower Upper
 202 100
 101 5.4 0.0 25.0
 203 17.2 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.962 min Scan# 3180
Delta R.T. 0.003 min
Lab File: BG056283.D
Acq: 13 Jan 2023 18:38

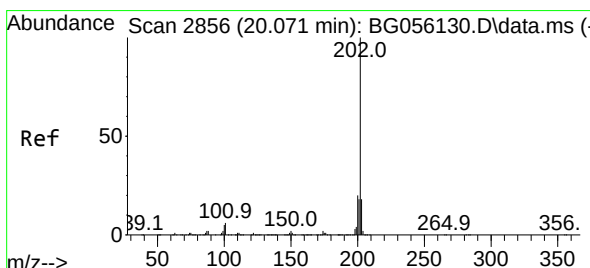
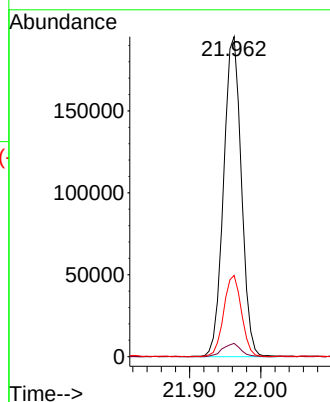
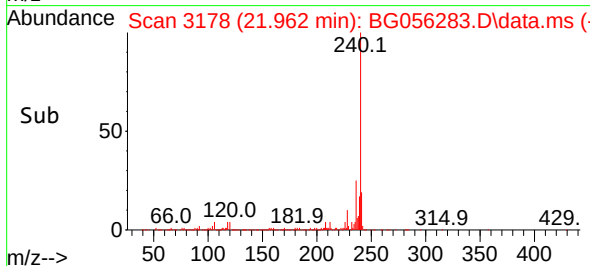
Instrument :
BNA_G
ClientSampleId :
TP-D



Tgt Ion:240 Resp: 340373
Ion Ratio Lower Upper
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120 4.1 2.6 4.0
236 25.4 20.8 31.2

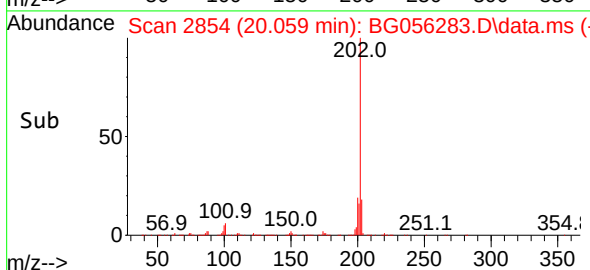
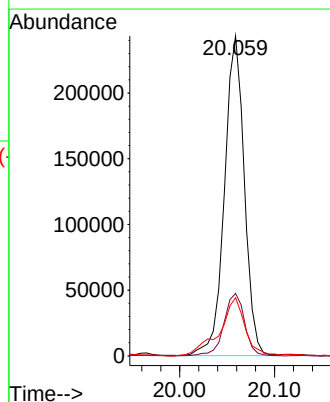
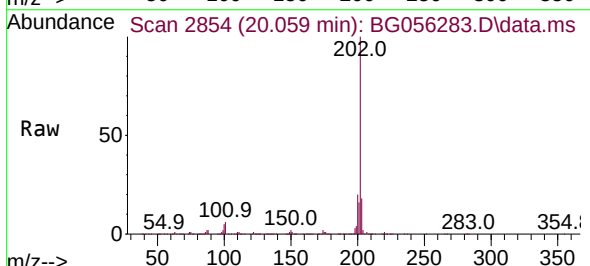
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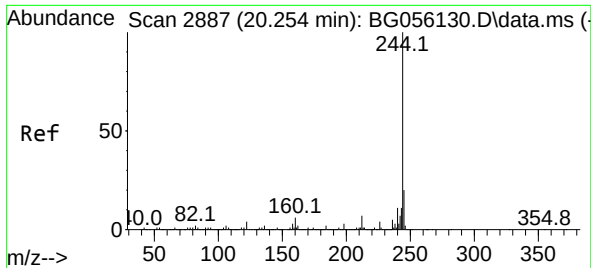
Reviewed By :Christian Giraldo 01/16/2023
Supervised By :Jagrut Upadhyay 01/16/2023



#78
Pyrene
Concen: 14.767 ng
RT: 20.059 min Scan# 2854
Delta R.T. 0.003 min
Lab File: BG056283.D
Acq: 13 Jan 2023 18:38

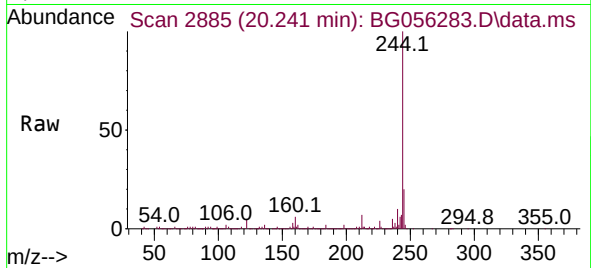
Tgt Ion:202 Resp: 354282
Ion Ratio Lower Upper
202 100
200 19.5 16.4 24.6
203 18.2 14.3 21.5





#79
 Terphenyl-d14
 Concen: 65.102 ng
 RT: 20.241 min Scan# 2885
 Delta R.T. 0.003 min
 Lab File: BG056283.D
 Acq: 13 Jan 2023 18:38

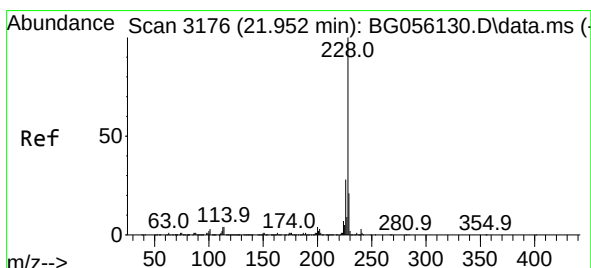
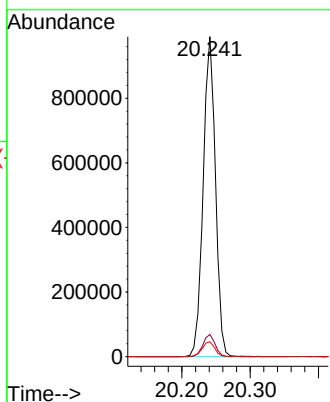
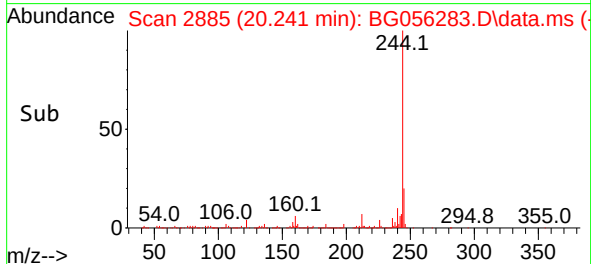
Instrument :
 BNA_G
 ClientSampleId :
 TP-D



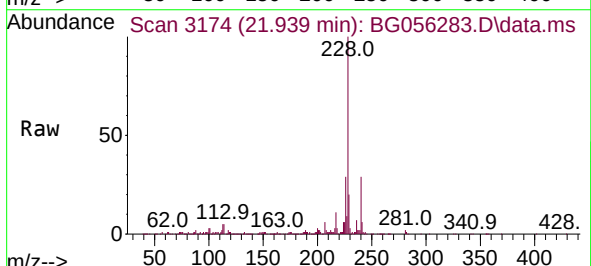
Tgt Ion:244 Resp: 1237203
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.7 8.5
 122 4.6 3.5 5.3

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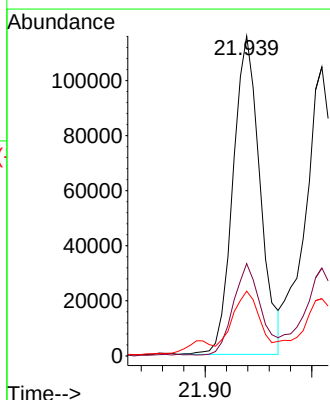
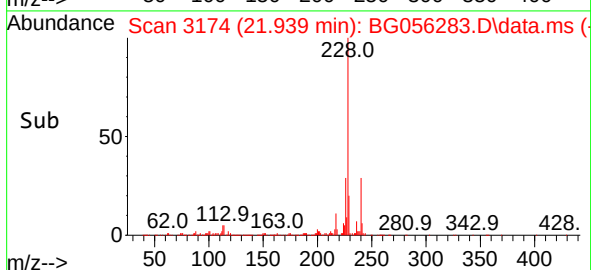
Reviewed By :Christian Giraldo 01/16/2023
 Supervised By :Jagrut Upadhyay 01/16/2023

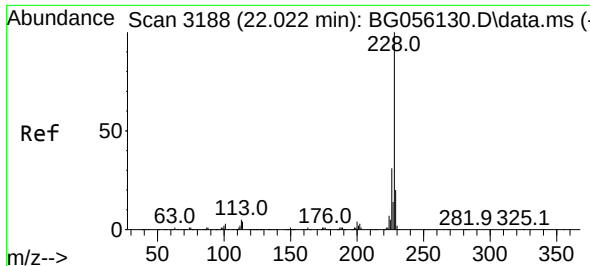


#81
 Benzo(a)anthracene
 Concen: 8.529 ng
 RT: 21.939 min Scan# 3174
 Delta R.T. -0.003 min
 Lab File: BG056283.D
 Acq: 13 Jan 2023 18:38



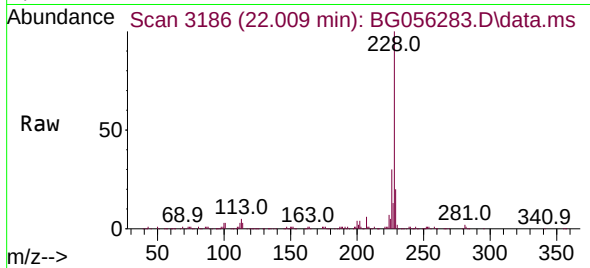
Tgt Ion:228 Resp: 203899
 Ion Ratio Lower Upper
 228 100
 226 28.8 22.6 34.0
 229 20.2 16.9 25.3





#83
Chrysene
Concen: 8.768 ng
RT: 22.009 min Scan# 3188
Delta R.T. -0.003 min
Lab File: BG056283.D
Acq: 13 Jan 2023 18:38

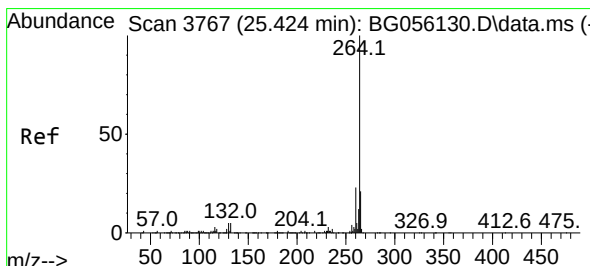
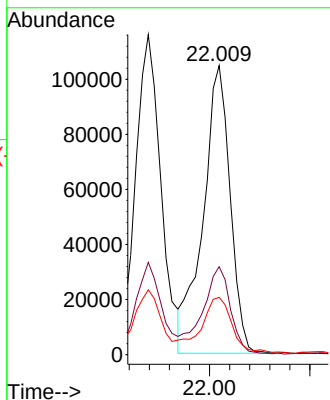
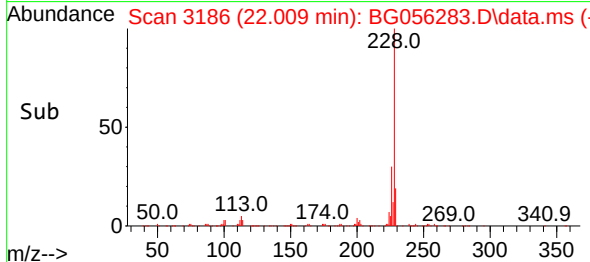
Instrument :
BNA_G
ClientSampleId :
TP-D



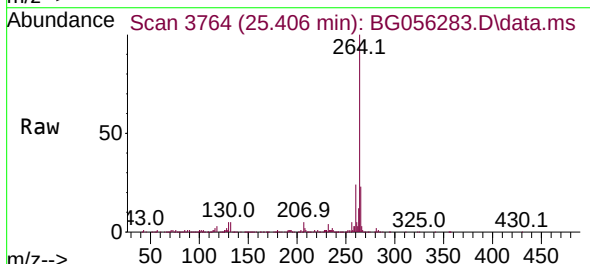
Tgt Ion:228 Resp: 196352
Ion Ratio Lower Upper
228 100
226 30.4 24.6 36.8
229 19.8 15.8 23.6

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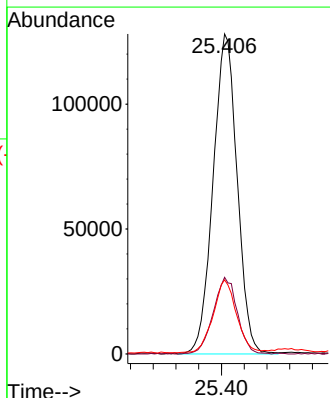
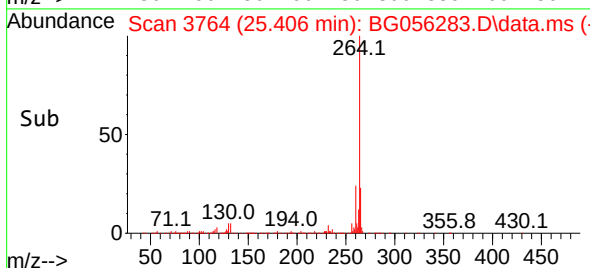
Reviewed By :Christian Giraldo 01/16/2023
Supervised By :Jagrut Upadhyay 01/16/2023

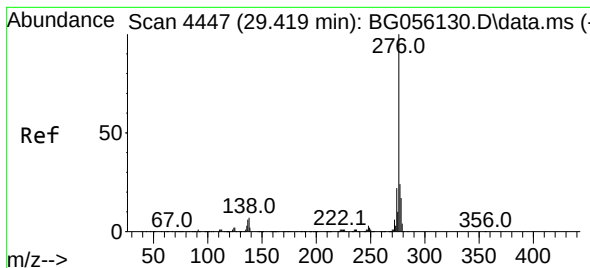


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.406 min Scan# 3764
Delta R.T. 0.003 min
Lab File: BG056283.D
Acq: 13 Jan 2023 18:38



Tgt Ion:264 Resp: 375741
Ion Ratio Lower Upper
264 100
260 23.9 18.6 28.0
265 23.1 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.722 ng

RT: 29.354 min Scan# 4447

Delta R.T. -0.009 min

Lab File: BG056283.D

Acq: 13 Jan 2023 18:38

Instrument :

BNA_G

ClientSampleId :

TP-D

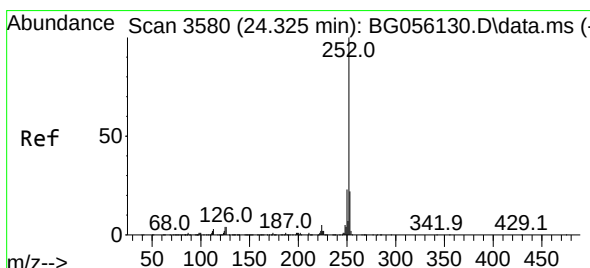
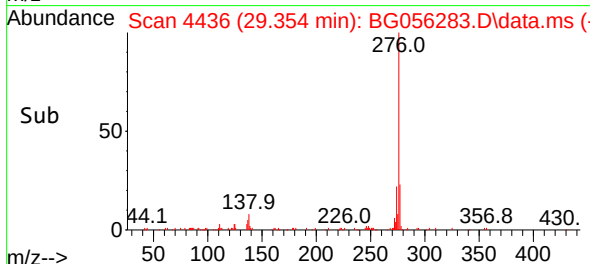
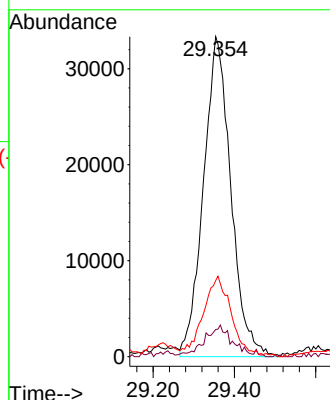
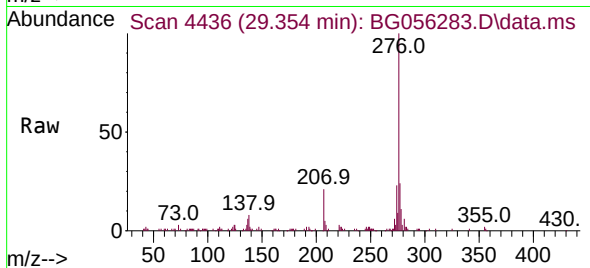
Tgt Ion:276 Resp: 156356
 Ion Ratio Lower Upper
 276 100
 138 9.8 5.0 7.4#
 277 24.2 20.5 30.7

Manual Integrations

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Supervised By :Jagrut Upadhyay 01/16/2023



#88

Benzo(b)fluoranthene

Concen: 11.630 ng m

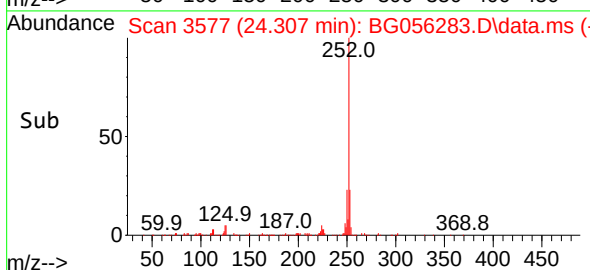
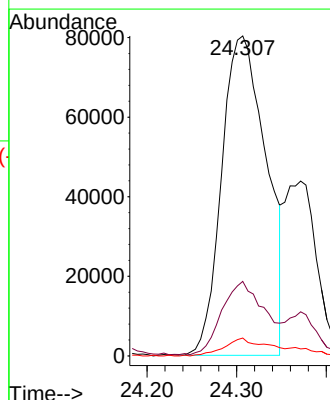
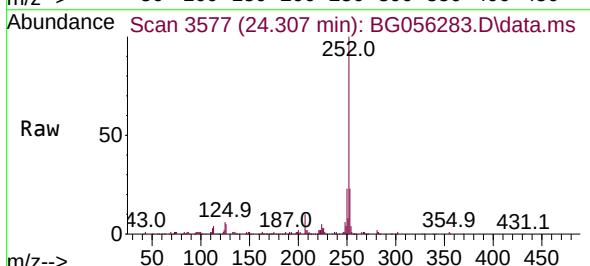
RT: 24.307 min Scan# 3577

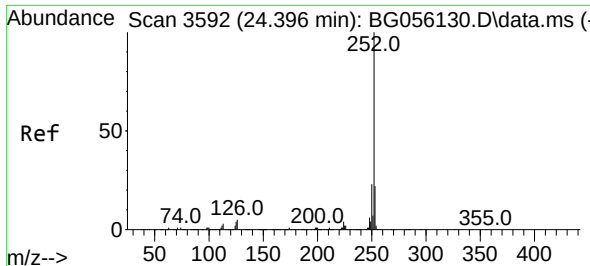
Delta R.T. 0.009 min

Lab File: BG056283.D

Acq: 13 Jan 2023 18:38

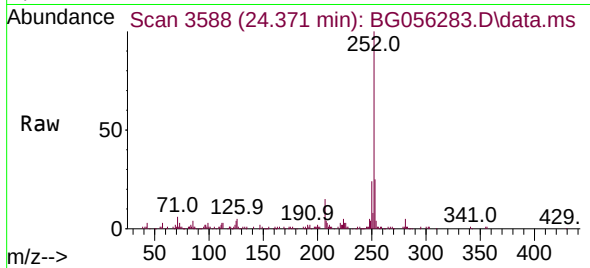
Tgt Ion:252 Resp: 277656
 Ion Ratio Lower Upper
 252 100
 253 23.3 17.4 26.2
 125 5.6 3.0 4.4#





#89
Benzo(k)fluoranthene
Concen: 4.524 ng m
RT: 24.371 min Scan# 3592
Delta R.T. -0.003 min
Lab File: BG056283.D
Acq: 13 Jan 2023 18:38

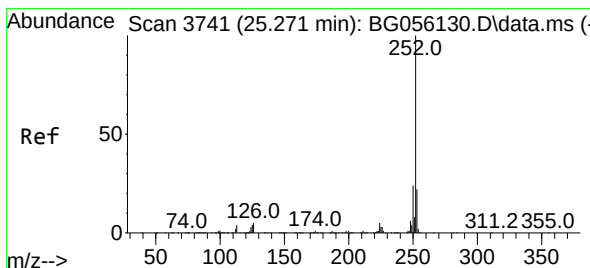
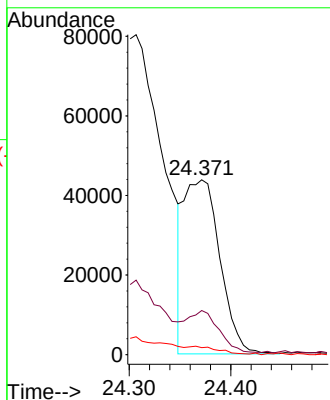
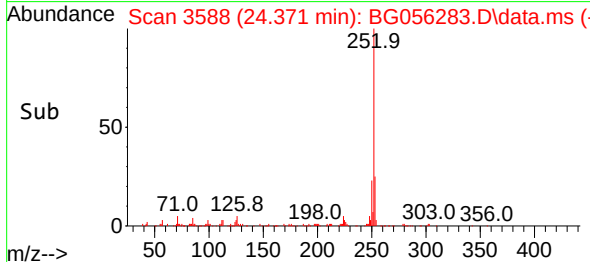
Instrument :
BNA_G
ClientSampleId :
TP-D



Tgt Ion:252 Resp: 107558
Ion Ratio Lower Upper
252 100
253 25.2 17.5 26.3
125 3.9 3.4 5.0

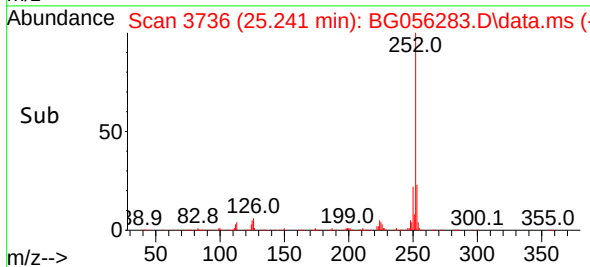
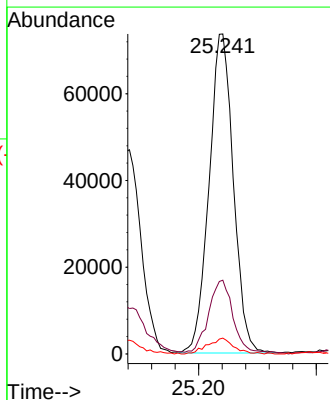
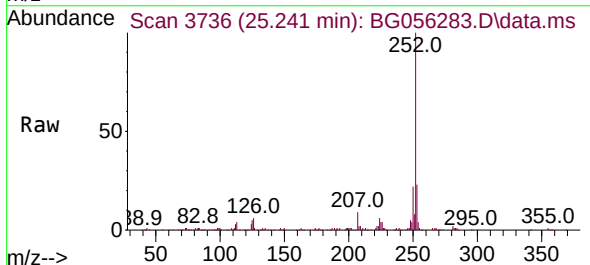
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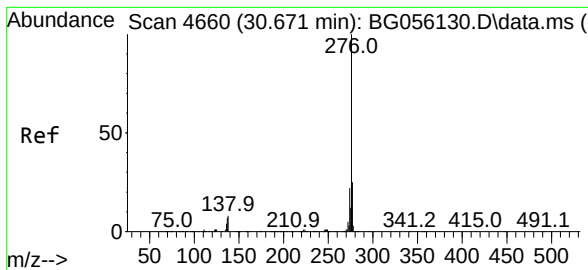
Reviewed By :Christian Giraldo 01/16/2023
Supervised By :Jagrut Upadhyay 01/16/2023



#90
Benzo(a)pyrene
Concen: 9.070 ng
RT: 25.241 min Scan# 3736
Delta R.T. -0.003 min
Lab File: BG056283.D
Acq: 13 Jan 2023 18:38

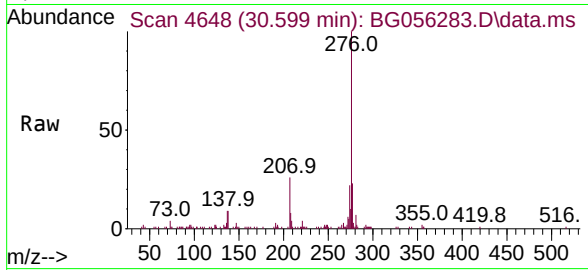
Tgt Ion:252 Resp: 211195
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.2
125 4.9 3.2 4.8





#92
 Benzo(g,h,i)perylene
 Concen: 6.624 ng
 RT: 30.599 min Scan# 4648
 Delta R.T. -0.015 min
 Lab File: BG056283.D
 Acq: 13 Jan 2023 18:38

Instrument :
 BNA_G
 ClientSampleId :
 TP-D



Tgt Ion:276 Resp: 147160
 Ion Ratio Lower Upper
 276 100
 277 22.7 19.7 29.5
 138 9.0 6.7 10.1

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Reviewed By :Christian Giraldo 01/16/2023
 Supervised By :Jagrut Upadhyay 01/16/2023

