

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072522\
 Data File : BG054389.D
 Acq On : 25 Jul 2022 21:33
 Operator : CG/JU
 Sample : N3858-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-A

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/26/2022
 Supervised By : Jagrut Upadhyay 07/26/2022

Quant Time: Jul 26 00:55:59 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 15 15:54:11 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.996	152	27784	20.000	ng	0.00
21) Naphthalene-d8	10.804	136	99662	20.000	ng	# 0.00
39) Acenaphthene-d10	14.624	164	75668	20.000	ng	0.00
64) Phenanthrene-d10	17.373	188	181523	20.000	ng	# 0.00
76) Chrysene-d12	21.639	240	197435	20.000	ng	# 0.00
86) Perylene-d12	24.841	264	199361	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	20352	15.294	ng	0.00
7) Phenol-d6	7.179	99	29506	16.182	ng	0.00
23) Nitrobenzene-d5	9.153	82	17909	9.786	ng	0.00
42) 2,4,6-Tribromophenol	16.116	330	25017	15.746	ng	0.00
45) 2-Fluorobiphenyl	13.249	172	54064	10.079	ng	0.00
79) Terphenyl-d14	19.976	244	103967	10.446	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.414	178	158696	17.555	ng	97
72) Anthracene	17.503	178	42913	4.838	ng	98
75) Fluoranthene	19.424	202	237938	19.309	ng	95
78) Pyrene	19.788	202	231118	20.401	ng	99
81) Benzo(a)anthracene	21.615	228	131717	10.510	ng	98
83) Chrysene	21.680	228	116213	9.815	ng	95
87) Indeno(1,2,3-cd)pyrene	28.519	276	48146	3.175	ng	# 94
88) Benzo(b)fluoranthene	23.830	252	136372	11.567	ng	94
89) Benzo(k)fluoranthene	23.883	252	48573m	4.140	ng	
90) Benzo(a)pyrene	24.688	252	101287	10.060	ng	95
92) Benzo(g,h,i)perylene	29.659	276	48910	3.974	ng	93

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

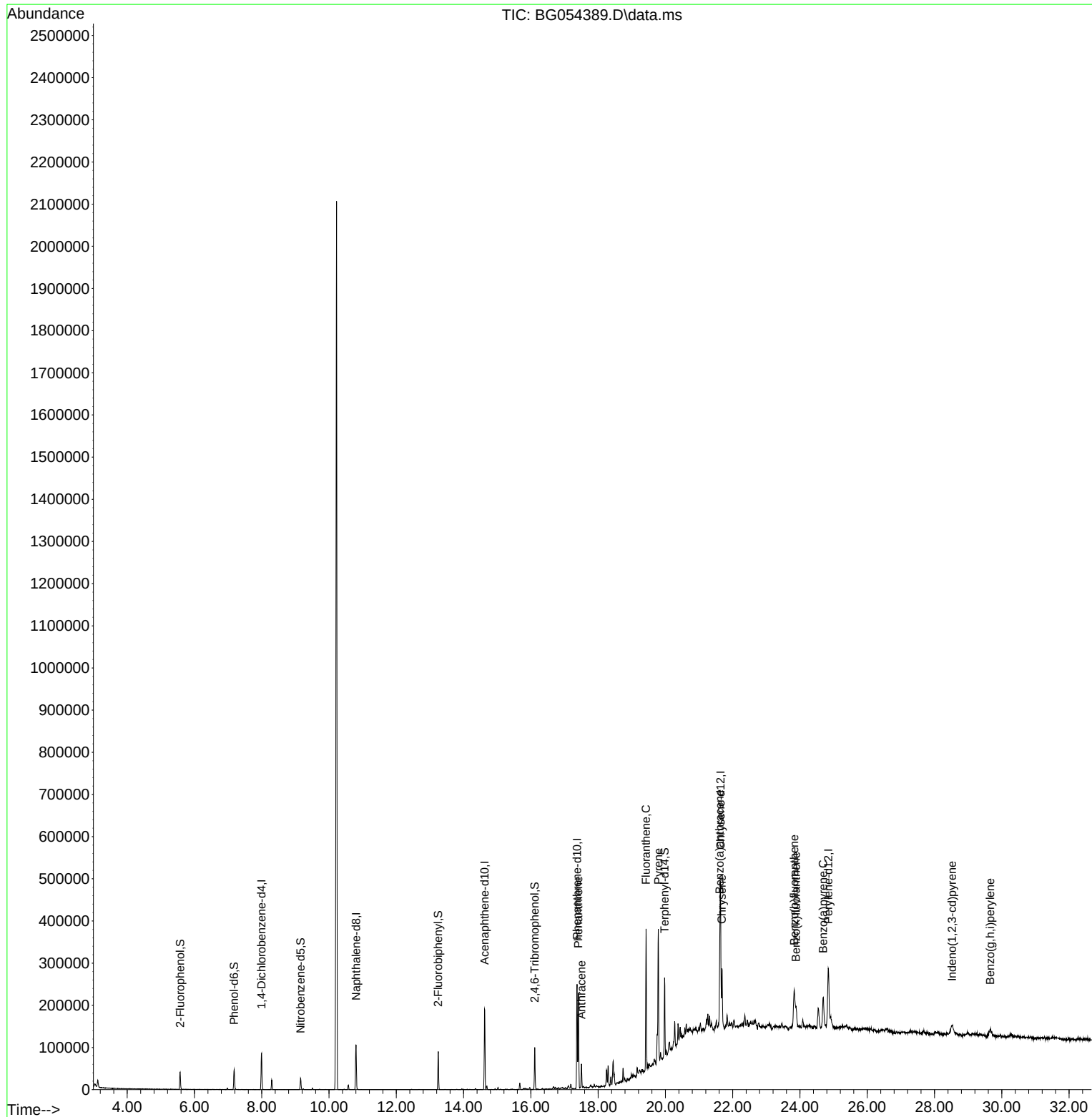
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072522\
Data File : BG054389.D
Acq On : 25 Jul 2022 21:33
Operator : CG/JU
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Misc :
ALS Vial : 17 Sample Multiplier: 1

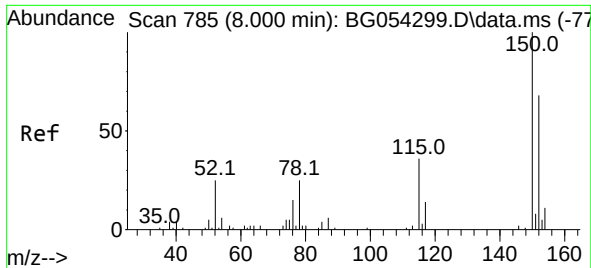
Instrument :
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Quant Time: Jul 26 00:55:59 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
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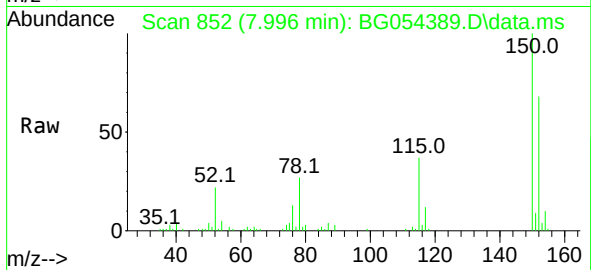
Reviewed By : Christian Giraldo 07/26/2022
Supervised By : Jagrut Upadhyay 07/26/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.996 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG054389.D
Acq: 25 Jul 2022 21:33

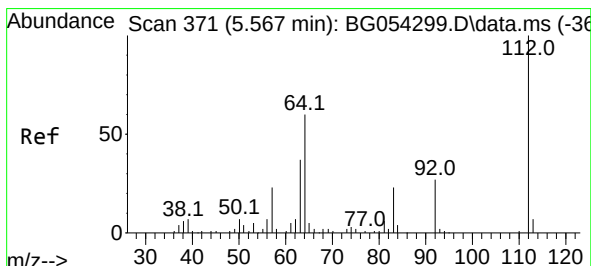
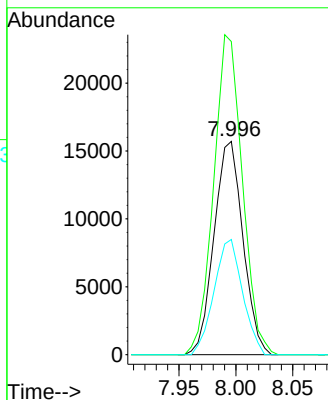
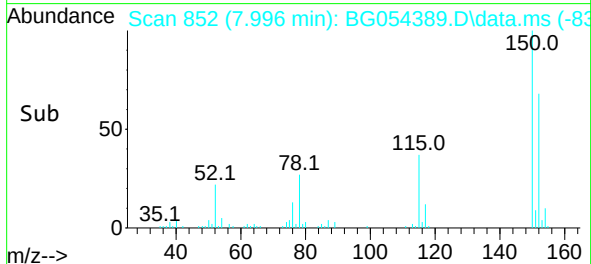
Instrument :
BNA_G
ClientSampleId :
SB-A



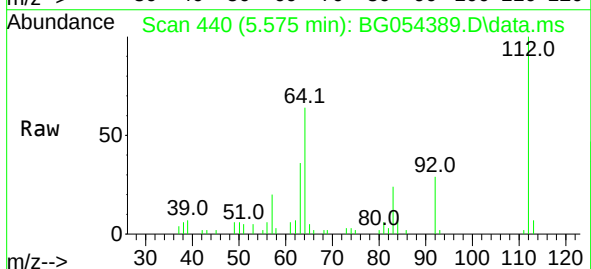
Tgt Ion:152 Resp: 27784
Ion Ratio Lower Upper
152 100
150 146.8 131.6 197.4
115 54.0 50.9 76.3

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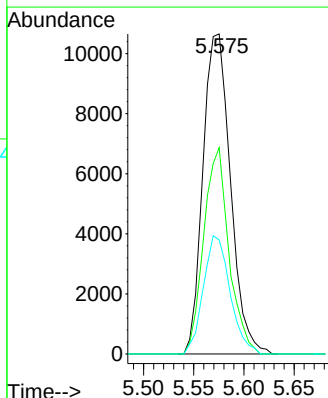
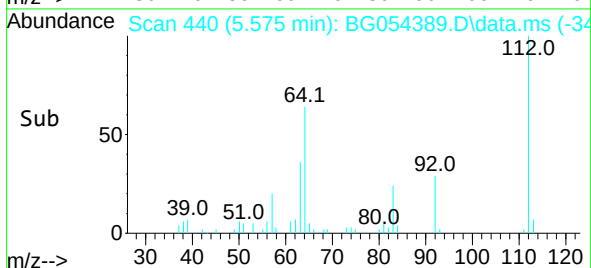
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022

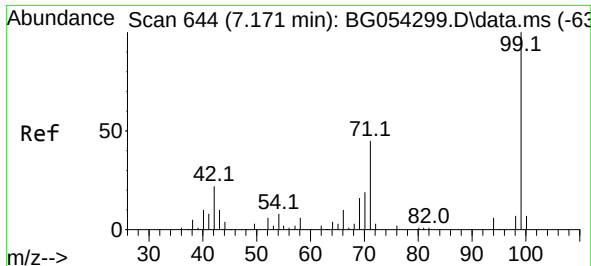


#5
2-Fluorophenol
Concen: 15.294 ng
RT: 5.575 min Scan# 440
Delta R.T. 0.008 min
Lab File: BG054389.D
Acq: 25 Jul 2022 21:33



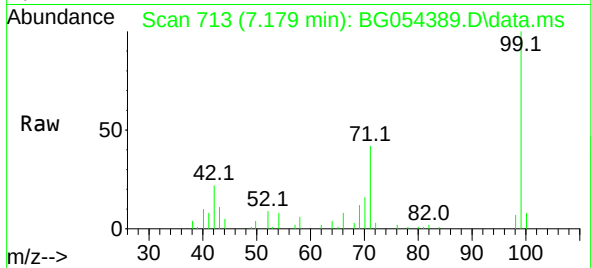
Tgt Ion:112 Resp: 20352
Ion Ratio Lower Upper
112 100
64 64.5 55.1 82.7
63 35.6 30.4 45.6





#7
Phenol-d6
Concen: 16.182 ng
RT: 7.179 min Scan# 71
Delta R.T. 0.008 min
Lab File: BG054389.D
Acq: 25 Jul 2022 21:33

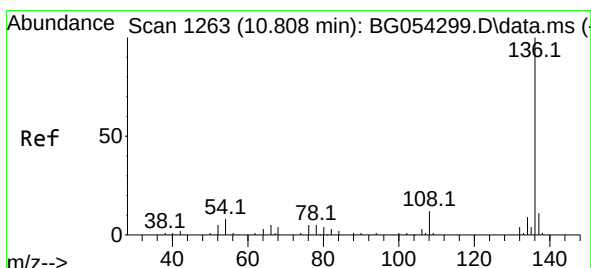
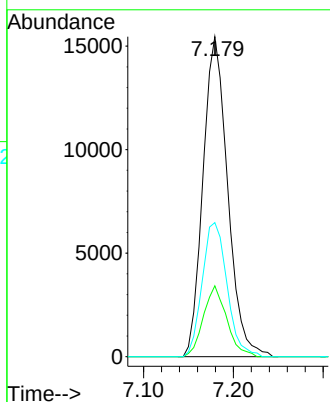
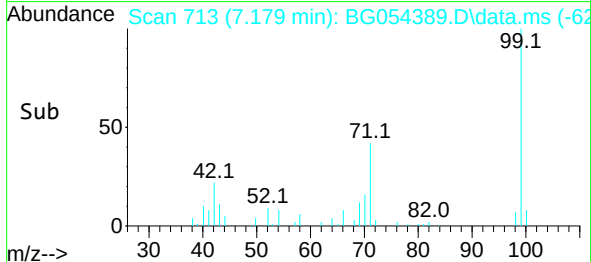
Instrument :
BNA_G
ClientSampleId :
SB-A



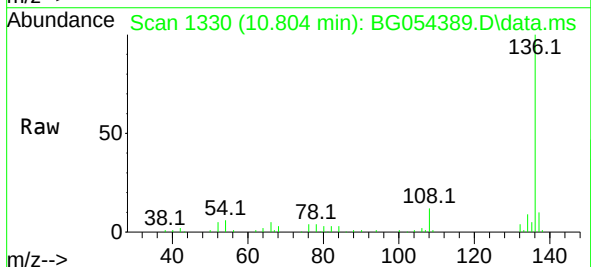
Tgt Ion: 99 Resp: 29500
Ion Ratio Lower Upper
99 100
42 22.1 17.0 25.6
71 41.9 33.8 50.8

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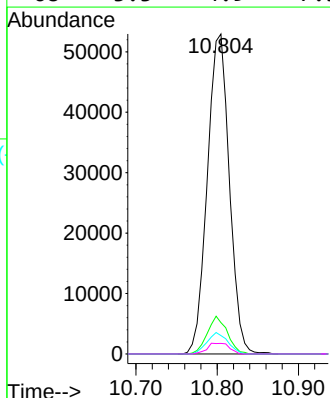
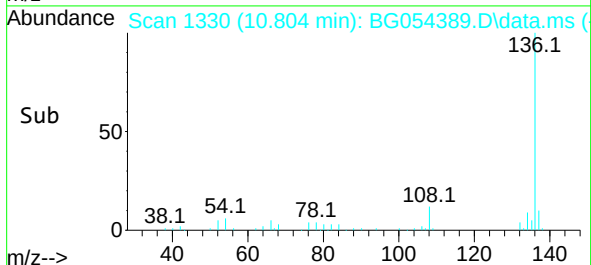
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022

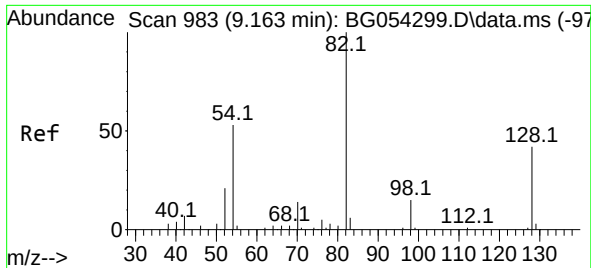


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.804 min Scan# 1330
Delta R.T. -0.004 min
Lab File: BG054389.D
Acq: 25 Jul 2022 21:33



Tgt Ion:136 Resp: 99662
Ion Ratio Lower Upper
136 100
137 9.8 8.5 12.7
54 5.7 7.4 11.2#
68 3.3 4.9 7.3#





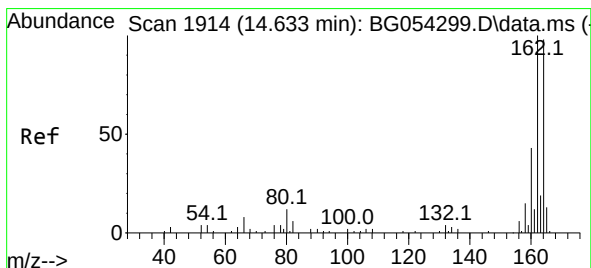
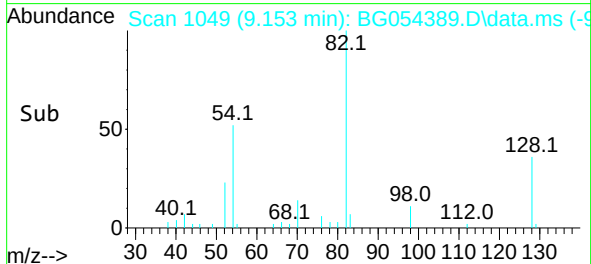
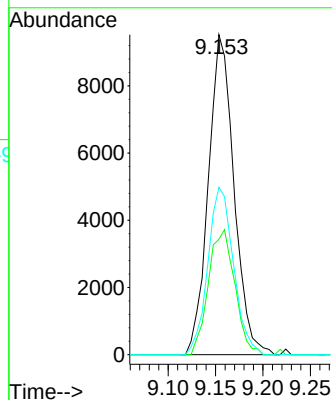
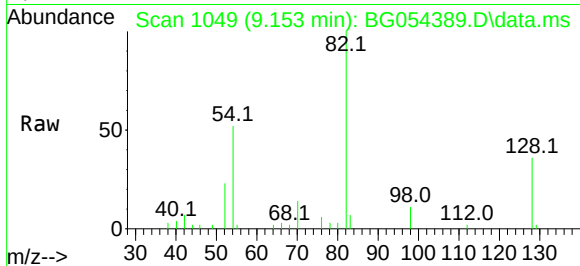
#23
Nitrobenzene-d5
Concen: 9.786 ng
RT: 9.153 min Scan# 1049
Delta R.T. -0.010 min
Lab File: BG054389.D
Acq: 25 Jul 2022 21:33

Instrument :
BNA_G
ClientSampleId :
SB-A

Tgt Ion: 82 Resp: 17909
Ion Ratio Lower Upper
82 100
128 36.0 27.9 41.9
54 52.3 41.2 61.8

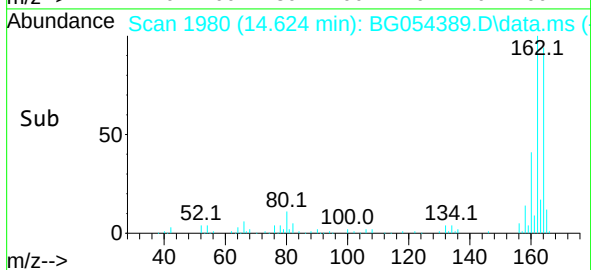
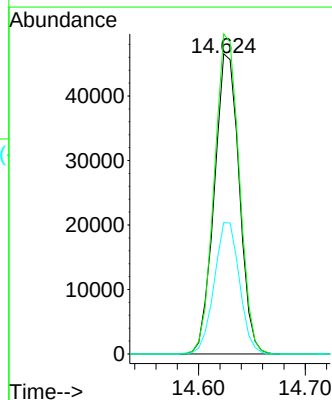
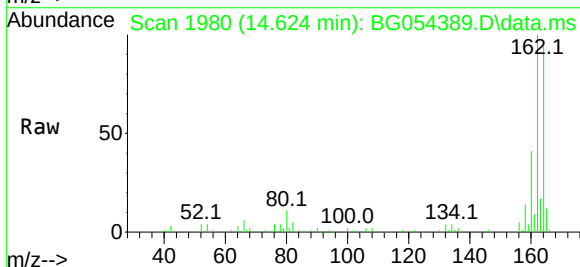
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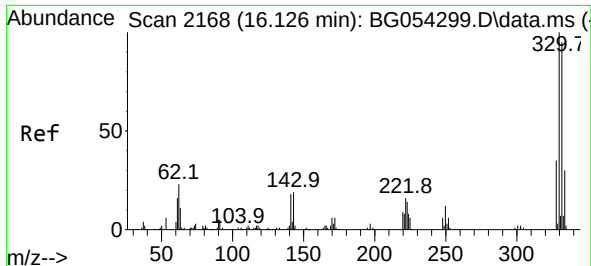
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.624 min Scan# 1980
Delta R.T. -0.009 min
Lab File: BG054389.D
Acq: 25 Jul 2022 21:33

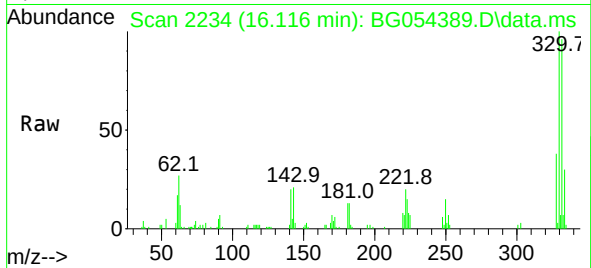
Tgt Ion:164 Resp: 75668
Ion Ratio Lower Upper
164 100
162 106.6 82.3 123.5
160 43.7 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 15.746 ng
RT: 16.116 min Scan# 2168
Delta R.T. -0.010 min
Lab File: BG054389.D
Acq: 25 Jul 2022 21:33

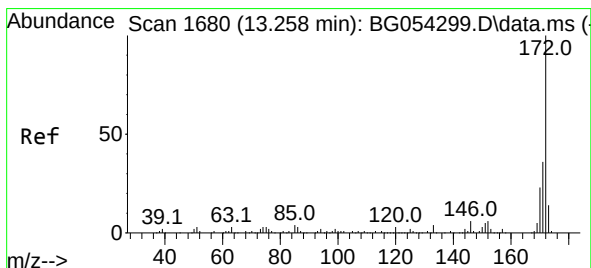
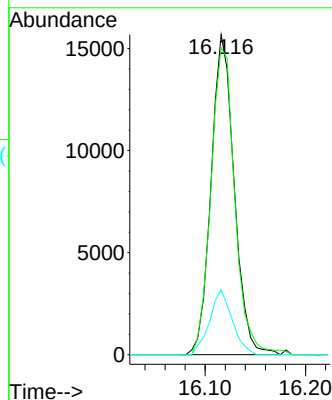
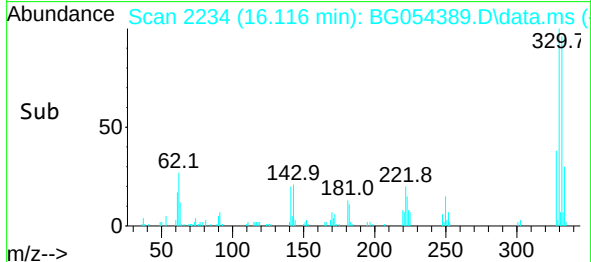
Instrument :
BNA_G
ClientSampleId :
SB-A



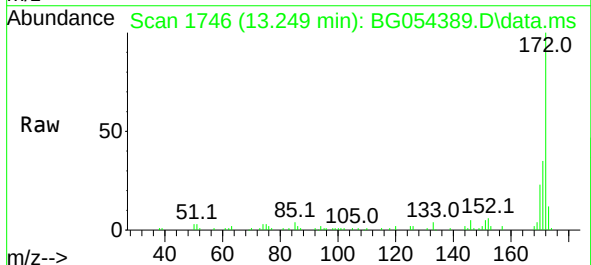
Tgt Ion:330 Resp: 2501
Ion Ratio Lower Upper
330 100
332 99.7 76.0 114.0
141 19.9 27.1 40.7

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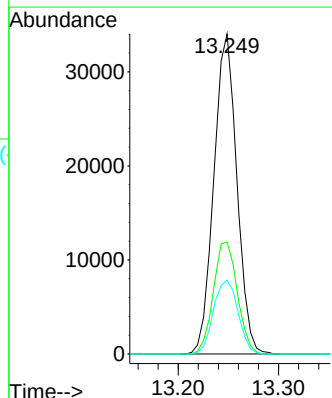
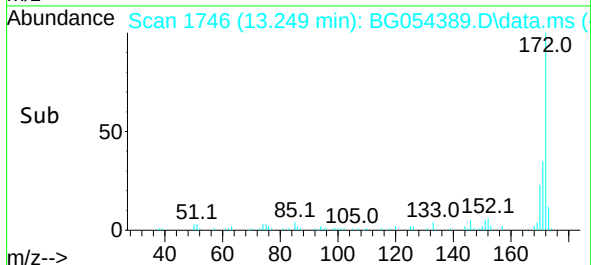
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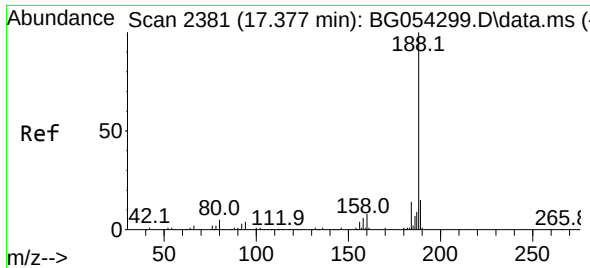


#45
2-Fluorobiphenyl
Concen: 10.079 ng
RT: 13.249 min Scan# 1746
Delta R.T. -0.010 min
Lab File: BG054389.D
Acq: 25 Jul 2022 21:33



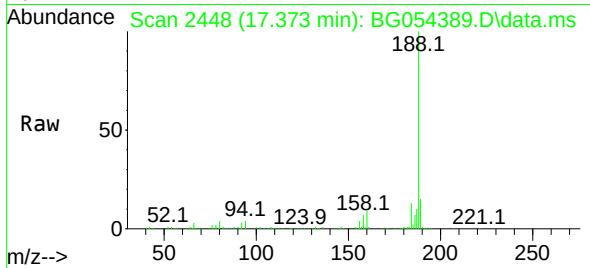
Tgt Ion:172 Resp: 54064
Ion Ratio Lower Upper
172 100
171 34.9 28.5 42.7
170 23.1 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.373 min Scan# 2448
Delta R.T. -0.004 min
Lab File: BG054389.D
Acq: 25 Jul 2022 21:33

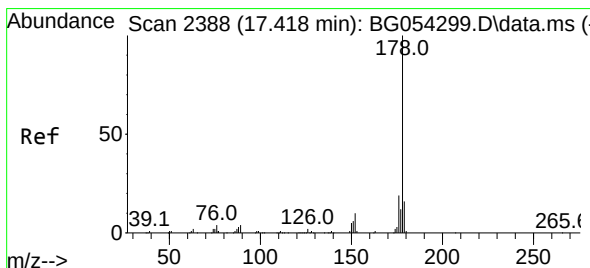
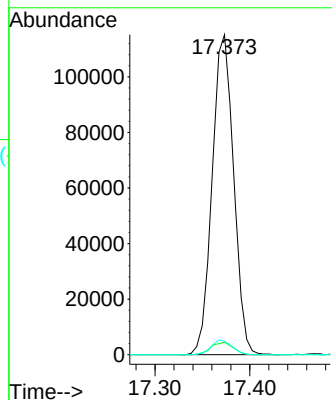
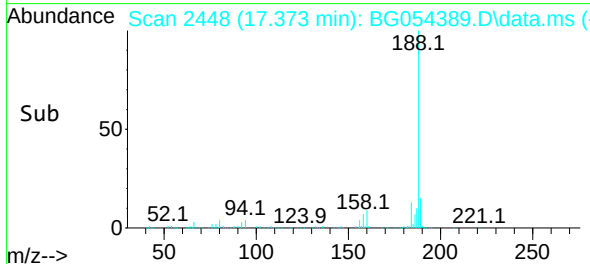
Instrument :
BNA_G
ClientSampleId :
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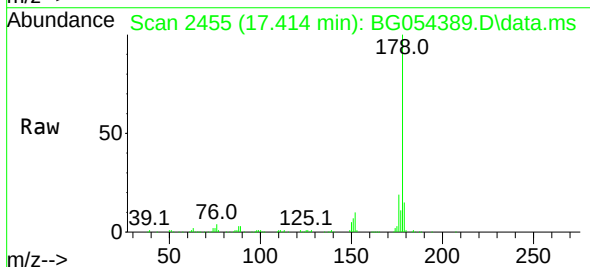
Tgt Ion:188 Resp: 18152
Ion Ratio Lower Upper
188 100
94 3.9 5.4 8.0
80 4.2 6.8 10.2

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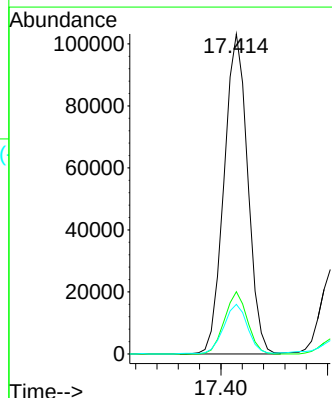
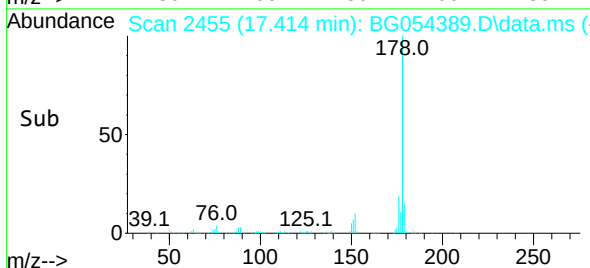
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022

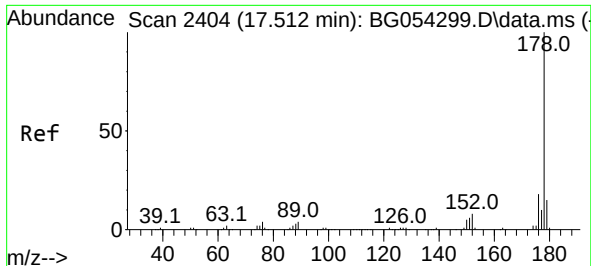


#71
Phenanthrene
Concen: 17.555 ng
RT: 17.414 min Scan# 2455
Delta R.T. -0.004 min
Lab File: BG054389.D
Acq: 25 Jul 2022 21:33



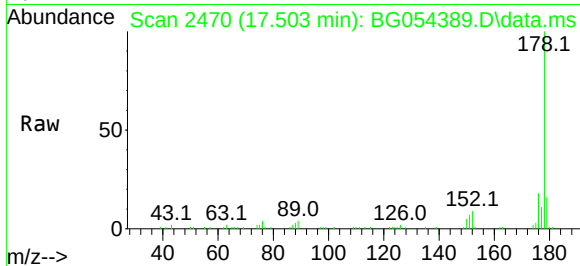
Tgt Ion:178 Resp: 158696
Ion Ratio Lower Upper
178 100
176 19.4 14.1 21.1
179 15.5 12.1 18.1





#72
 Anthracene
 Concen: 4.838 ng
 RT: 17.503 min Scan# 2404
 Delta R.T. -0.010 min
 Lab File: BG054389.D
 Acq: 25 Jul 2022 21:33

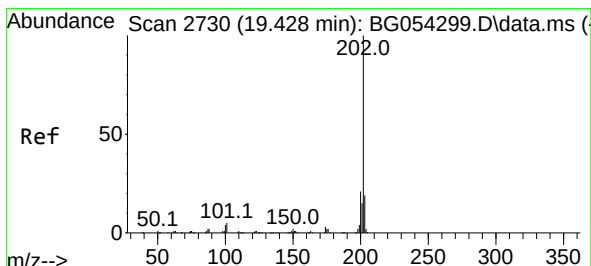
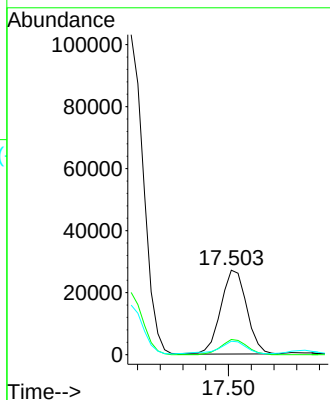
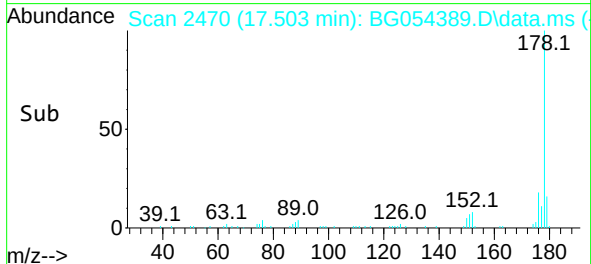
Instrument :
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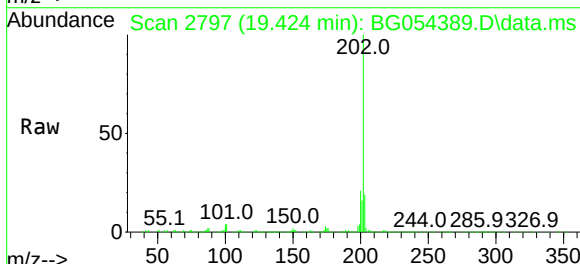
Tgt Ion:178 Resp: 42911
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.2 22.8
 179 15.9 13.0 19.4

Manual Integrations
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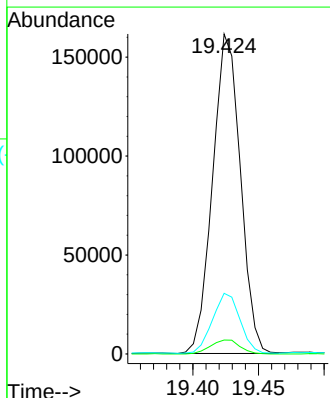
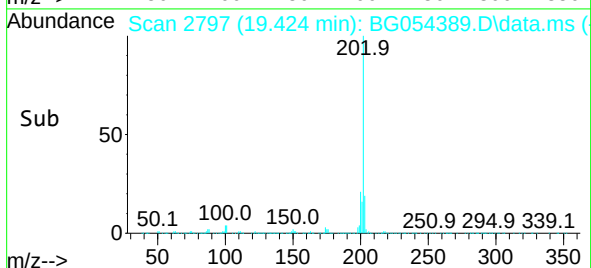
Reviewed By :Christian Giraldo 07/26/2022
 Supervised By :Jagrut Upadhyay 07/26/2022

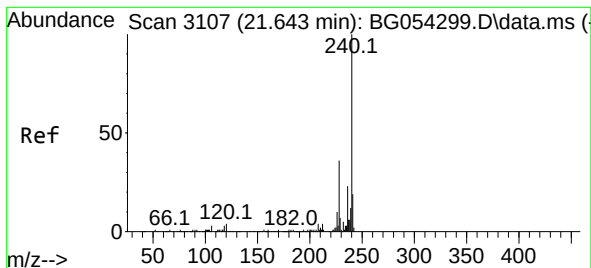


#75
 Fluoranthene
 Concen: 19.309 ng
 RT: 19.424 min Scan# 2797
 Delta R.T. -0.004 min
 Lab File: BG054389.D
 Acq: 25 Jul 2022 21:33



Tgt Ion:202 Resp: 237938
 Ion Ratio Lower Upper
 202 100
 101 4.3 0.0 26.9
 203 18.9 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.639 min Scan# 3107

Delta R.T. -0.004 min

Lab File: BG054389.D

Acq: 25 Jul 2022 21:33

Instrument :

BNA_G

ClientSampleId :

SB-A

Tgt Ion:240 Resp: 19743

Ion Ratio Lower Upper

240 100

120 3.5 4.6 7.0

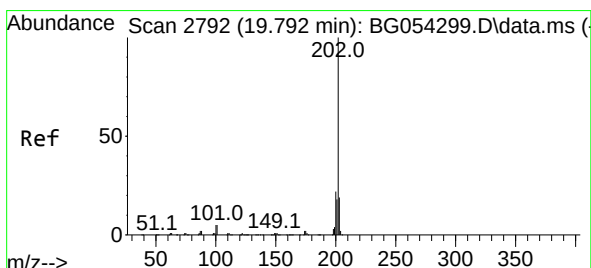
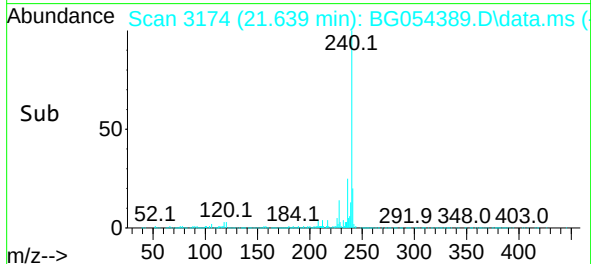
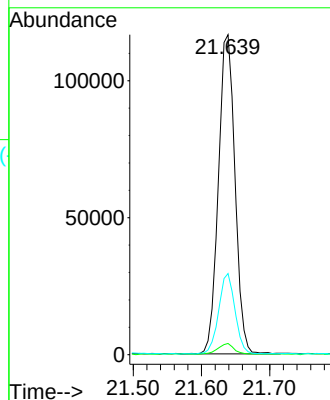
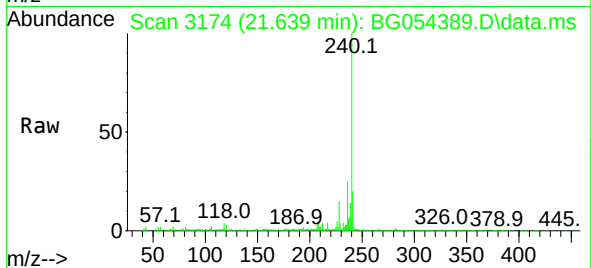
236 25.4 20.2 30.4

Manual Integrations

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Reviewed By :Christian Giraldo 07/26/2022

Supervised By :Jagrut Upadhyay 07/26/2022



#78

Pyrene

Concen: 20.401 ng

RT: 19.788 min Scan# 2859

Delta R.T. -0.004 min

Lab File: BG054389.D

Acq: 25 Jul 2022 21:33

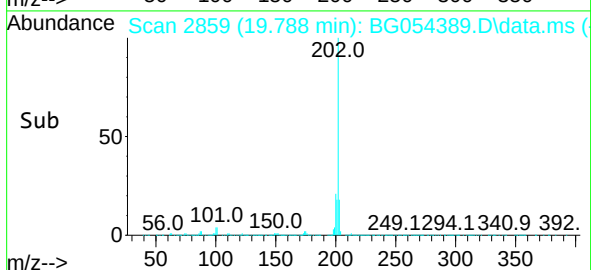
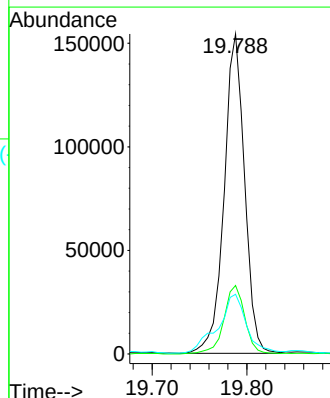
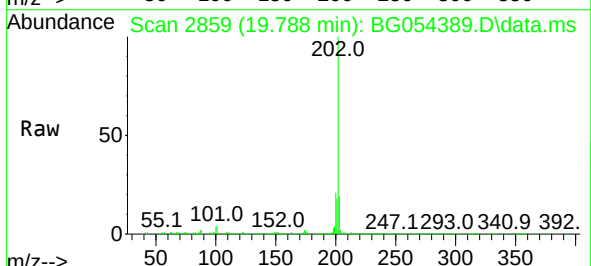
Tgt Ion:202 Resp: 231118

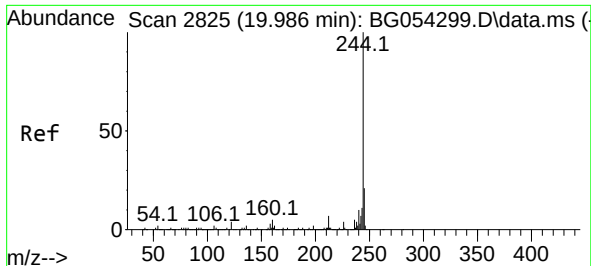
Ion Ratio Lower Upper

202 100

200 21.4 16.6 24.8

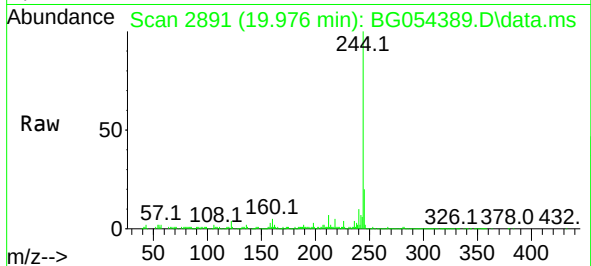
203 18.6 14.6 21.8





#79
 Terphenyl-d14
 Concen: 10.446 ng
 RT: 19.976 min Scan# 21
 Delta R.T. -0.010 min
 Lab File: BG054389.D
 Acq: 25 Jul 2022 21:33

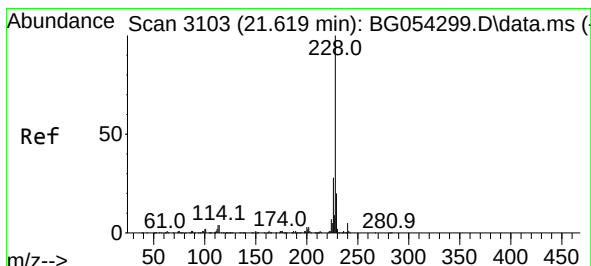
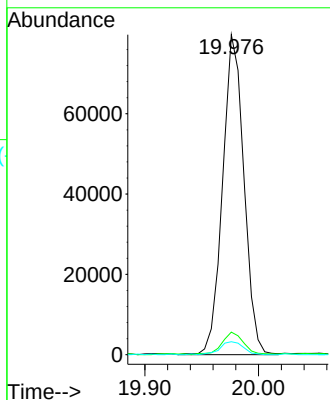
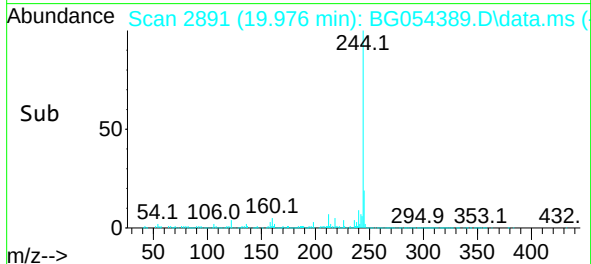
Instrument :
 BNA_G
 ClientSampleId :
 SB-A



Tgt Ion:244 Resp: 10396
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.5 9.7
 122 4.1 5.0 7.4

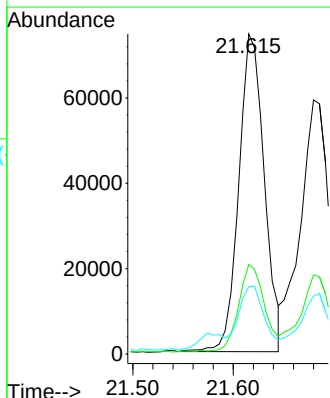
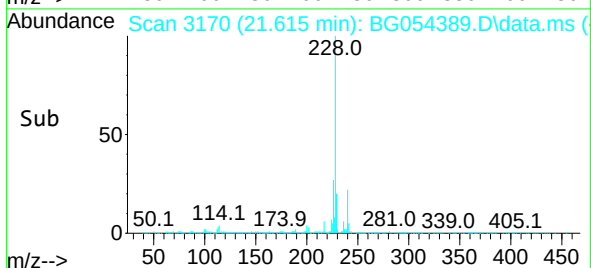
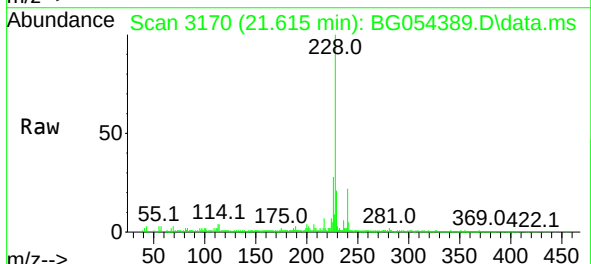
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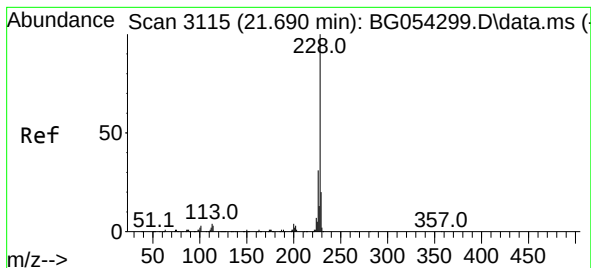
Reviewed By :Christian Giraldo 07/26/2022
 Supervised By :Jagrut Upadhyay 07/26/2022



#81
 Benzo(a)anthracene
 Concen: 10.510 ng
 RT: 21.615 min Scan# 3170
 Delta R.T. -0.004 min
 Lab File: BG054389.D
 Acq: 25 Jul 2022 21:33

Tgt Ion:228 Resp: 131717
 Ion Ratio Lower Upper
 228 100
 226 27.9 21.6 32.4
 229 21.0 16.2 24.2





#83

Chrysene

Concen: 9.815 ng

RT: 21.680 min Scan# 3115

Delta R.T. -0.010 min

Lab File: BG054389.D

Acq: 25 Jul 2022 21:33

Instrument :

BNA_G

ClientSampleId :

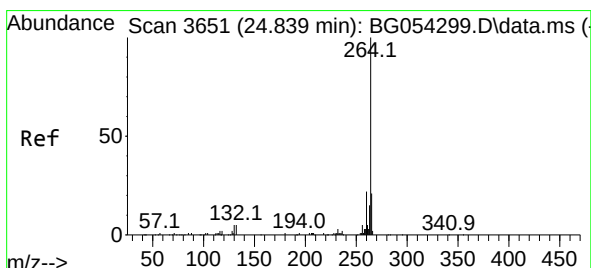
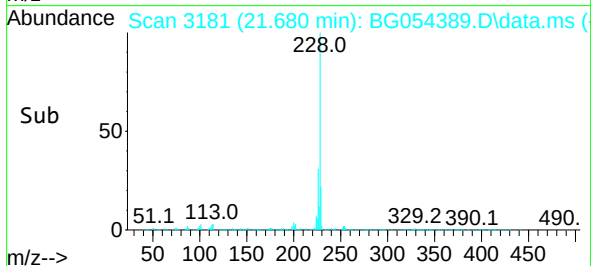
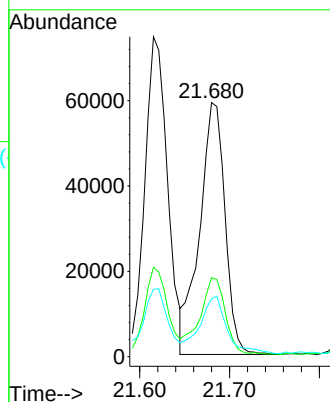
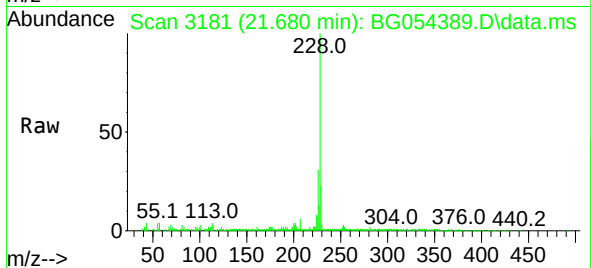
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Tgt Ion:228 Resp: 116211
 Ion Ratio Lower Upper
 228 100
 226 31.1 23.4 35.2
 229 22.7 15.5 23.3

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 Supervised By :Jagrut Upadhyay 07/26/2022



#86

Perylene-d12

Concen: 20.000 ng

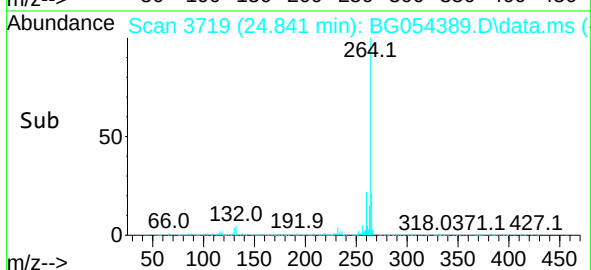
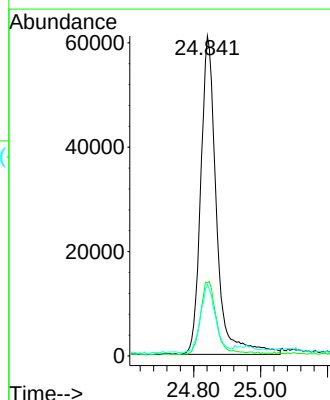
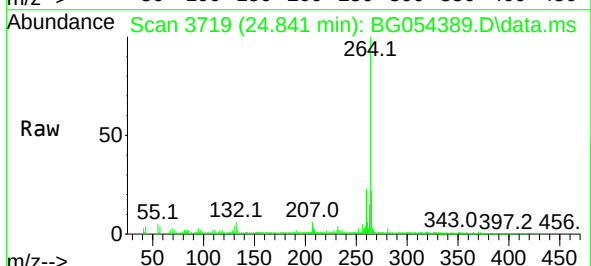
RT: 24.841 min Scan# 3719

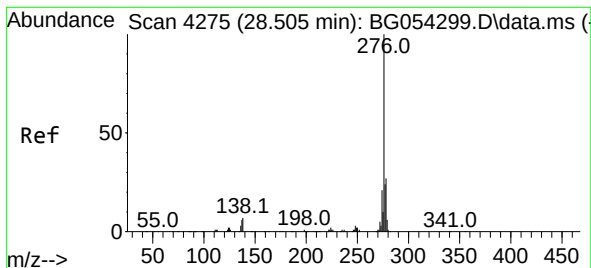
Delta R.T. 0.002 min

Lab File: BG054389.D

Acq: 25 Jul 2022 21:33

Tgt Ion:264 Resp: 199361
 Ion Ratio Lower Upper
 264 100
 260 22.9 19.0 28.6
 265 22.4 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.175 ng

RT: 28.519 min Scan# 41

Delta R.T. 0.014 min

Lab File: BG054389.D

Acq: 25 Jul 2022 21:33

Instrument :

BNA_G

ClientSampleId :

SB-A

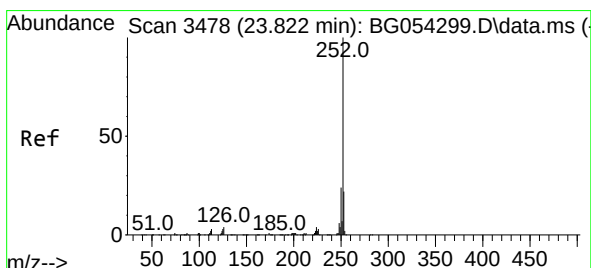
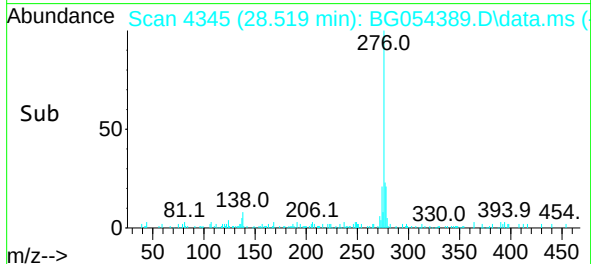
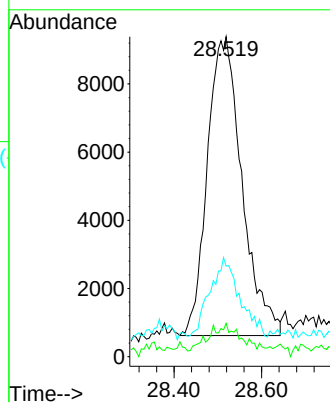
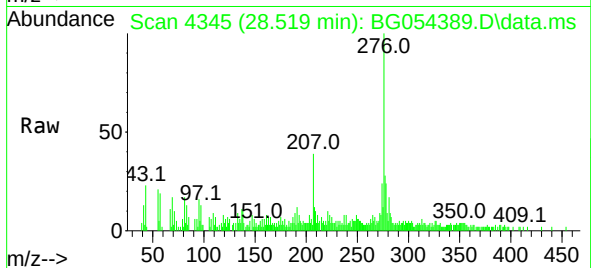
Tgt Ion:276 Resp: 48140
 Ion Ratio Lower Upper
 276 100
 138 2.7 5.0 7.4
 277 22.9 20.3 30.5

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Supervised By :Jagrut Upadhyay 07/26/2022



#88

Benzo(b)fluoranthene

Concen: 11.567 ng

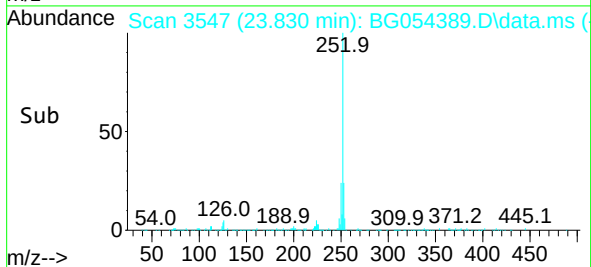
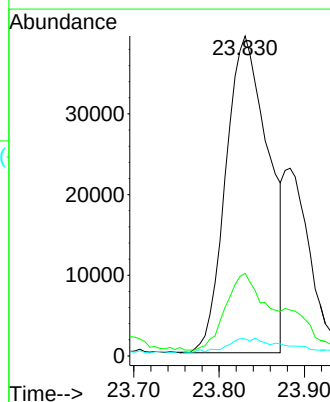
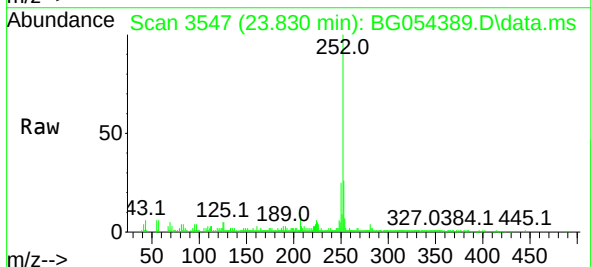
RT: 23.830 min Scan# 3547

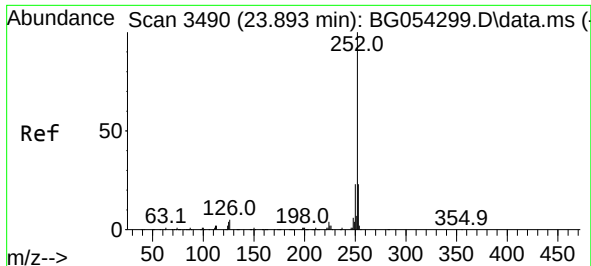
Delta R.T. 0.008 min

Lab File: BG054389.D

Acq: 25 Jul 2022 21:33

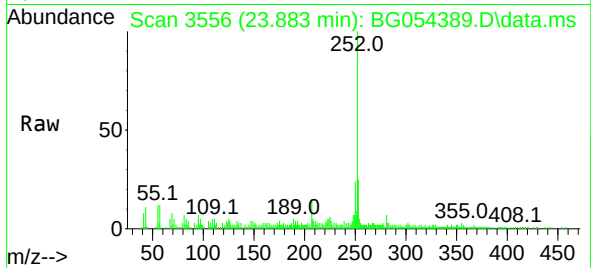
Tgt Ion:252 Resp: 136372
 Ion Ratio Lower Upper
 252 100
 253 25.8 18.0 27.0
 125 5.3 4.6 6.8





#89
Benzo(k)fluoranthene
Concen: 4.140 ng m
RT: 23.883 min Scan# 31
Delta R.T. -0.010 min
Lab File: BG054389.D
Acq: 25 Jul 2022 21:33

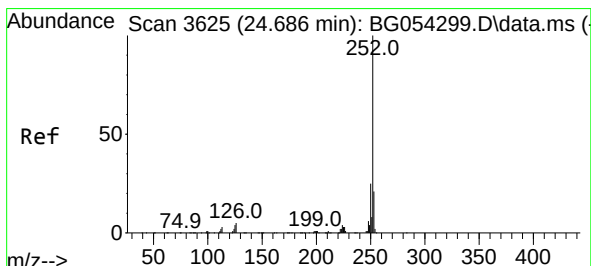
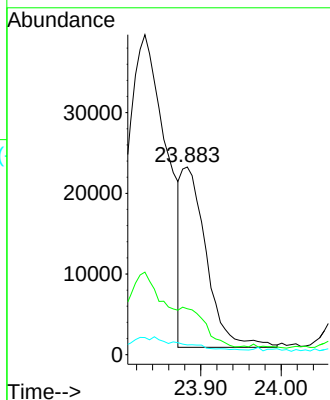
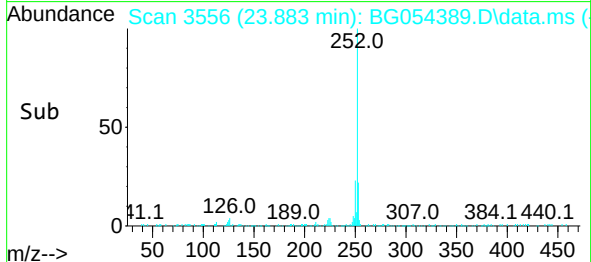
Instrument :
BNA_G
ClientSampleId :
SB-A



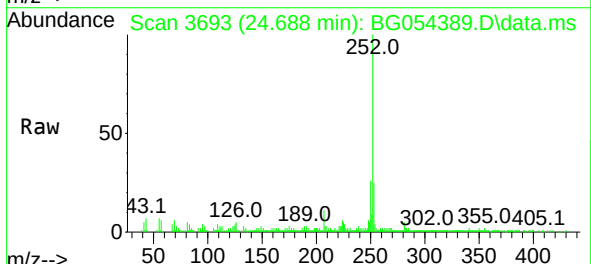
Tgt Ion:252 Resp: 4857
Ion Ratio Lower Upper
252 100
253 24.5 18.4 27.6
125 5.2 4.8 7.2

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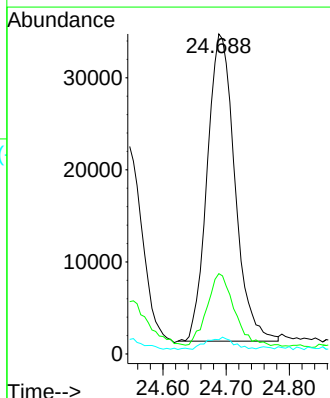
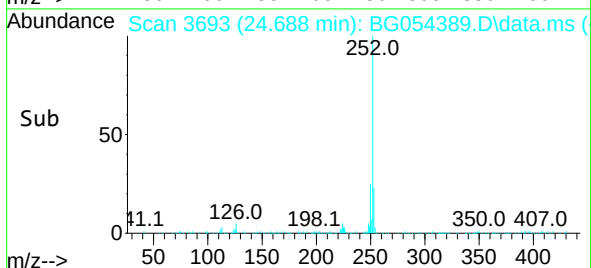
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022

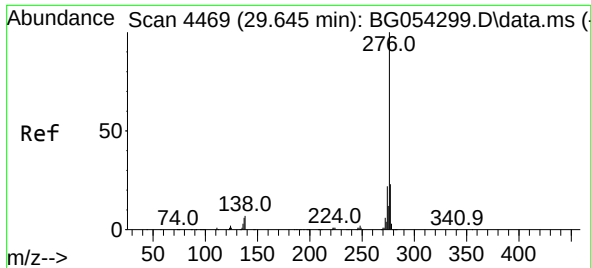


#90
Benzo(a)pyrene
Concen: 10.060 ng
RT: 24.688 min Scan# 3693
Delta R.T. 0.002 min
Lab File: BG054389.D
Acq: 25 Jul 2022 21:33



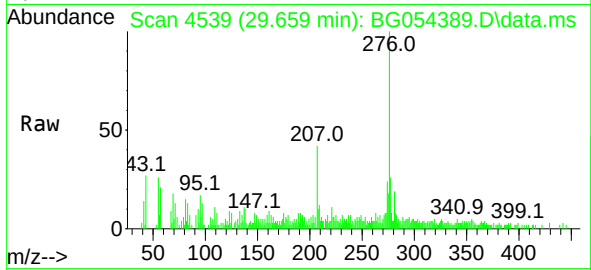
Tgt Ion:252 Resp: 101287
Ion Ratio Lower Upper
252 100
253 25.1 17.8 26.8
125 4.5 4.3 6.5





#92
Benzo(g,h,i)perylene
Concen: 3.974 ng
RT: 29.659 min Scan# 4469
Delta R.T. 0.014 min
Lab File: BG054389.D
Acq: 25 Jul 2022 21:33

Instrument :
BNA_G
ClientSampleId :
SB-A



Tgt Ion:276 Resp: 48910
Ion Ratio Lower Upper
276 100
277 25.8 17.3 25.9
138 10.1 9.6 14.4

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Supervised By :Jagrut Upadhyay 07/26/2022

