

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
 Data File : BG054397.D
 Acq On : 26 Jul 2022 14:09
 Operator : CG/JU
 Sample : N3836-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/27/2022
 Supervised By : Jagrut Upadhyay 07/27/2022

Quant Time: Jul 27 04:33:20 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	7.988	152	17615	20.000	ng	-0.01
21) Naphthalene-d8	10.796	136	68807	20.000	ng	#-0.01
39) Acenaphthene-d10	14.621	164	55491	20.000	ng	-0.01
64) Phenanthrene-d10	17.365	188	138173	20.000	ng	#-0.01
76) Chrysene-d12	21.631	240	154409	20.000	ng	#-0.01
86) Perylene-d12	24.833	264	161788	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.561	112	79472	94.197	ng	0.00
7) Phenol-d6	7.171	99	111154	96.150	ng	0.00
23) Nitrobenzene-d5	9.151	82	74985	59.347	ng	-0.01
42) 2,4,6-Tribromophenol	16.114	330	103293	88.656	ng	-0.01
45) 2-Fluorobiphenyl	13.246	172	240148	61.051	ng	-0.01
79) Terphenyl-d14	19.980	244	493121	63.355	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.412	178	27958	4.063	ng	98
75) Fluoranthene	19.421	202	75318	8.030	ng	94
78) Pyrene	19.780	202	73536	8.300	ng	97
81) Benzo(a)anthracene	21.613	228	48060	4.903	ng	95
83) Chrysene	21.678	228	49011m	5.293	ng	
87) Indeno(1,2,3-cd)pyrene	28.481	276	43842	3.562	ng	# 59
88) Benzo(b)fluoranthene	23.816	252	76710	8.017	ng	# 96
89) Benzo(k)fluoranthene	23.875	252	26372m	2.770	ng	
90) Benzo(a)pyrene	24.680	252	49462m	6.053	ng	
92) Benzo(g,h,i)perylene	29.633	276	41681	4.173	ng	# 92

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

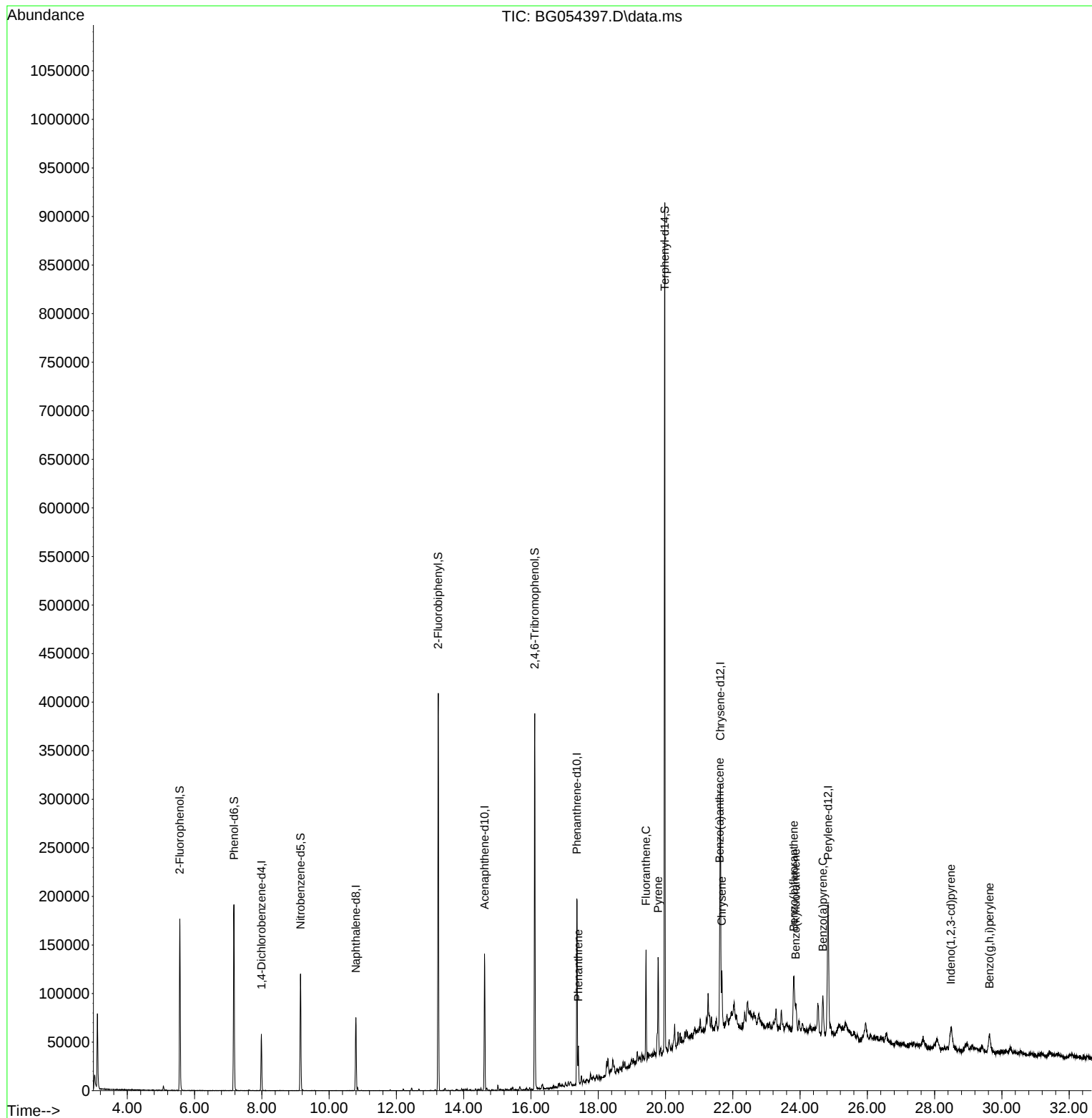
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
Data File : BG054397.D
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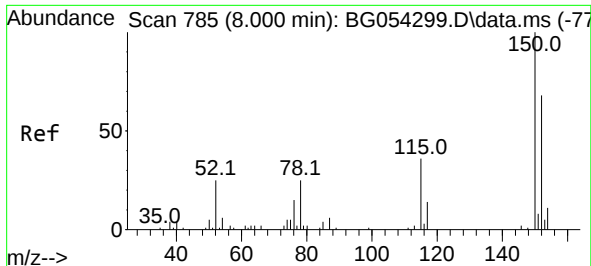
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Quant Time: Jul 27 04:33:20 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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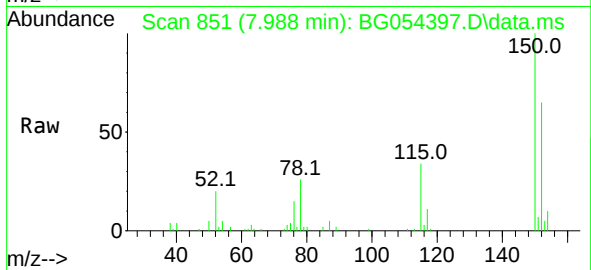
Reviewed By : Christian Giraldo 07/27/2022
Supervised By : Jagrut Upadhyay 07/27/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.988 min Scan# 81
Delta R.T. -0.012 min
Lab File: BG054397.D
Acq: 26 Jul 2022 14:09

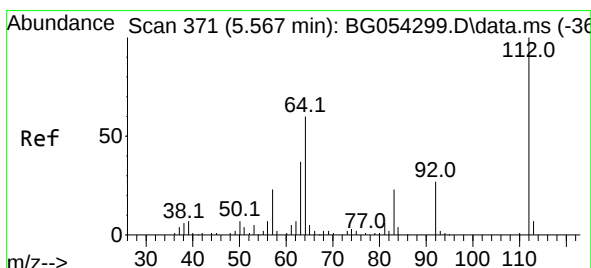
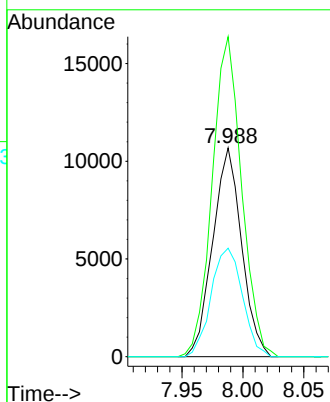
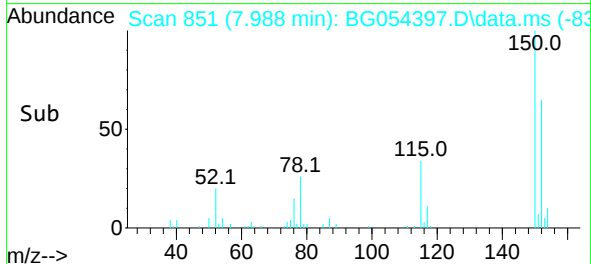
Instrument :
BNA_G
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TP-1



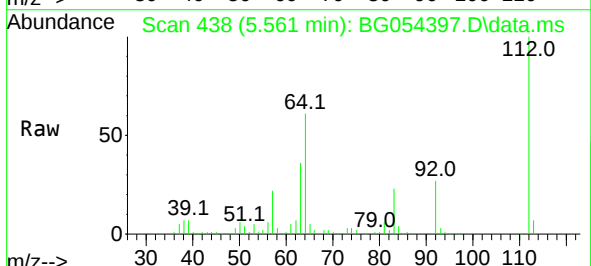
Tgt Ion:152 Resp: 1761
Ion Ratio Lower Upper
152 100
150 153.2 131.6 197.4
115 51.9 50.9 76.3

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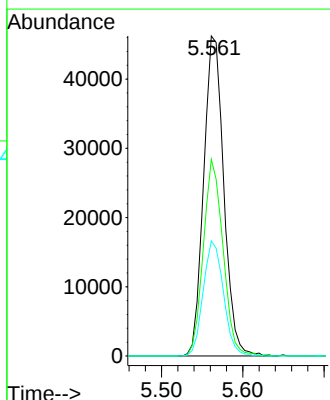
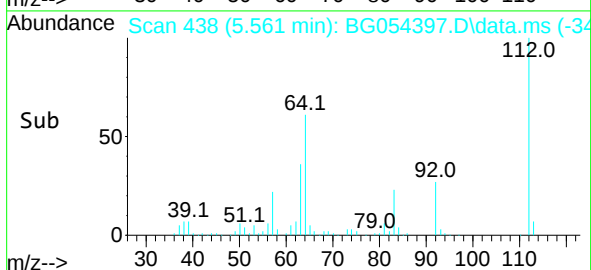
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022

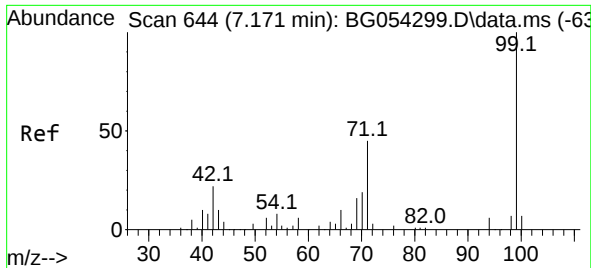


#5
2-Fluorophenol
Concen: 94.197 ng
RT: 5.561 min Scan# 438
Delta R.T. -0.006 min
Lab File: BG054397.D
Acq: 26 Jul 2022 14:09



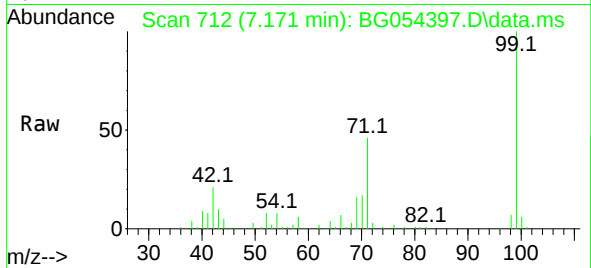
Tgt Ion:112 Resp: 79472
Ion Ratio Lower Upper
112 100
64 61.5 55.1 82.7
63 36.0 30.4 45.6





#7
Phenol-d6
Concen: 96.150 ng
RT: 7.171 min Scan# 71
Delta R.T. -0.000 min
Lab File: BG054397.D
Acq: 26 Jul 2022 14:09

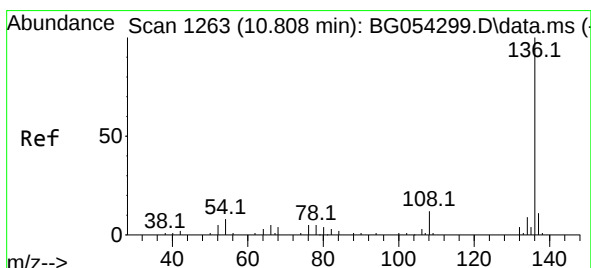
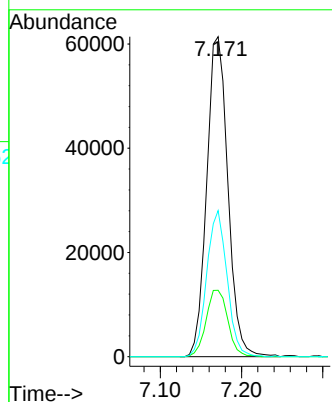
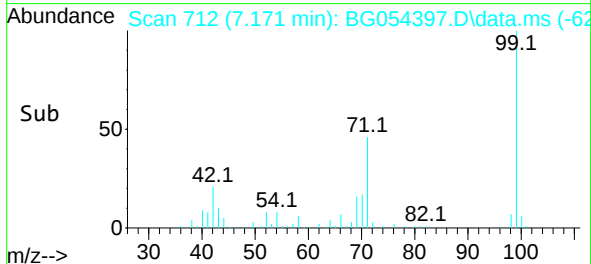
Instrument :
BNA_G
ClientSampleId :
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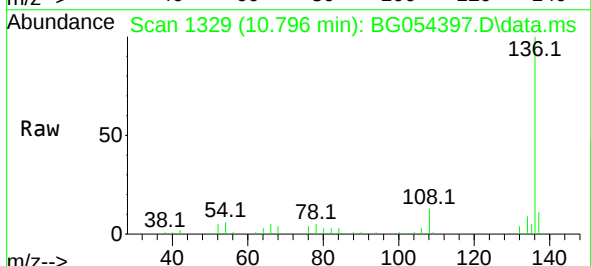
Tgt Ion: 99 Resp: 111154
Ion Ratio Lower Upper
99 100
42 20.7 17.0 25.6
71 45.7 33.8 50.8

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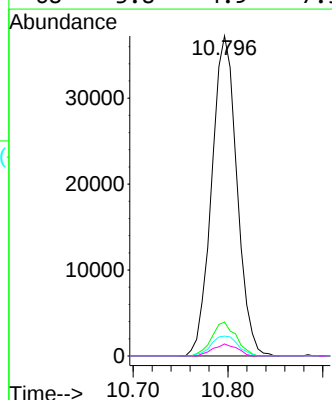
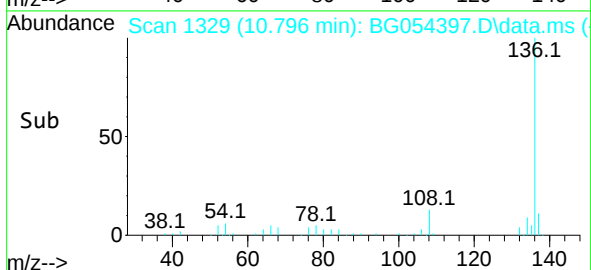
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022

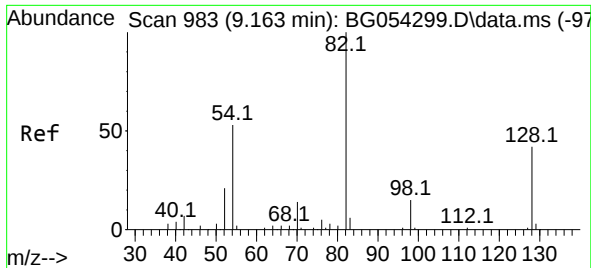


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.796 min Scan# 1329
Delta R.T. -0.012 min
Lab File: BG054397.D
Acq: 26 Jul 2022 14:09



Tgt Ion:136 Resp: 68807
Ion Ratio Lower Upper
136 100
137 10.6 8.5 12.7
54 6.2 7.4 11.2#
68 3.8 4.9 7.3#





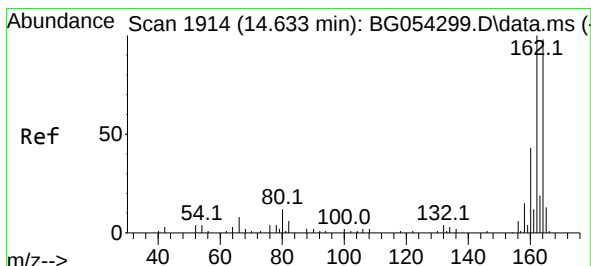
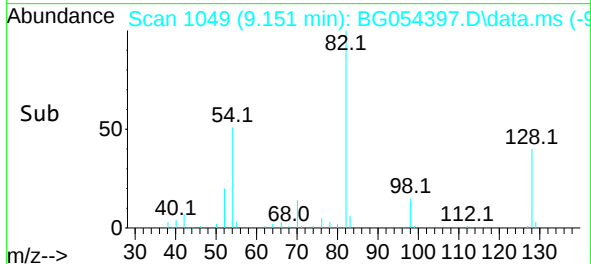
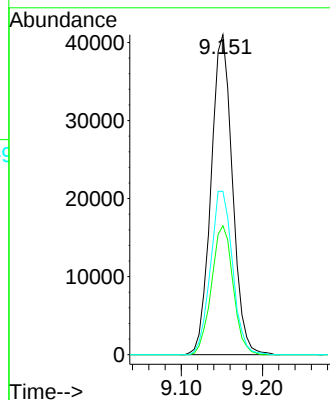
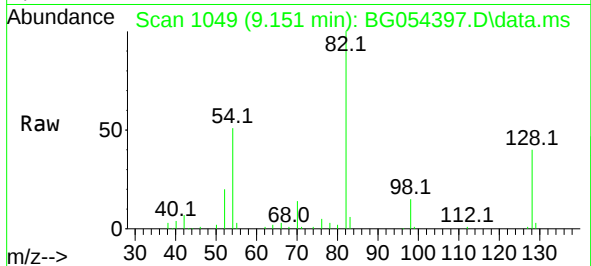
#23
Nitrobenzene-d5
Concen: 59.347 ng
RT: 9.151 min Scan# 1049
Delta R.T. -0.012 min
Lab File: BG054397.D
Acq: 26 Jul 2022 14:09

Instrument :
BNA_G
ClientSampleId :
TP-1

Tgt Ion: 82 Resp: 7498
Ion Ratio Lower Upper
82 100
128 40.3 27.9 41.9
54 51.1 41.2 61.8

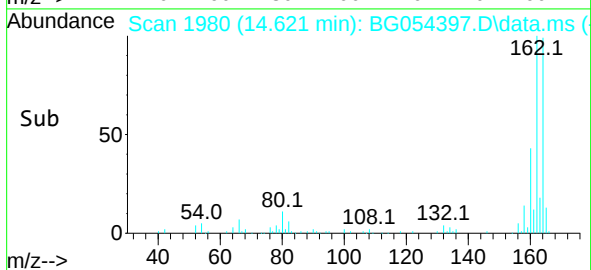
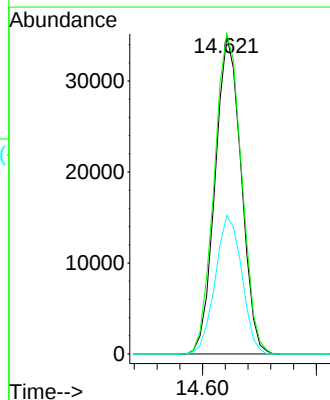
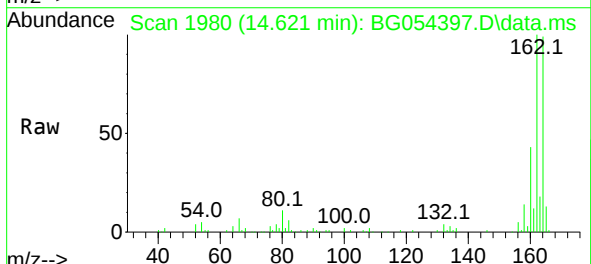
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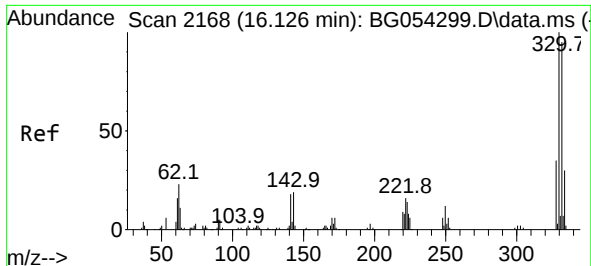
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.621 min Scan# 1980
Delta R.T. -0.012 min
Lab File: BG054397.D
Acq: 26 Jul 2022 14:09

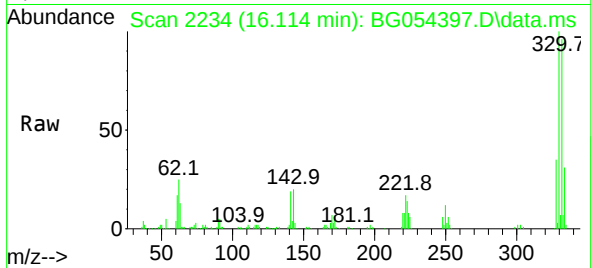
Tgt Ion:164 Resp: 55491
Ion Ratio Lower Upper
164 100
162 100.5 82.3 123.5
160 43.5 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 88.656 ng
RT: 16.114 min Scan# 2168
Delta R.T. -0.012 min
Lab File: BG054397.D
Acq: 26 Jul 2022 14:09

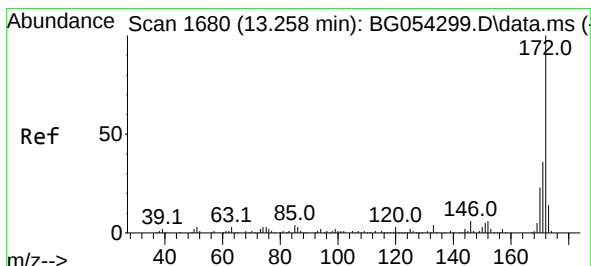
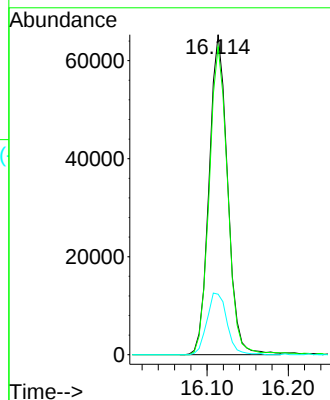
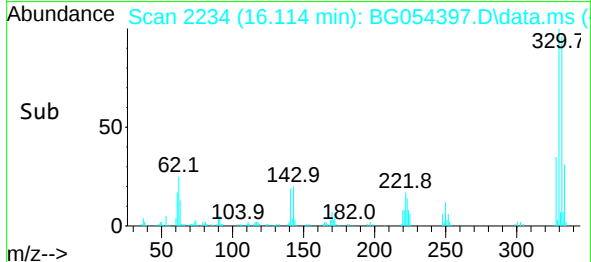
Instrument :
BNA_G
ClientSampleId :
TP-1



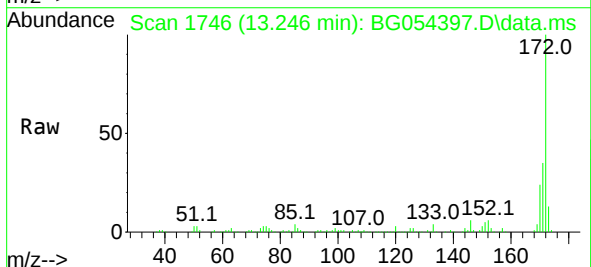
Tgt Ion:330 Resp: 10329
Ion Ratio Lower Upper
330 100
332 96.2 76.0 114.0
141 20.8 27.1 40.7

Manual Integrations
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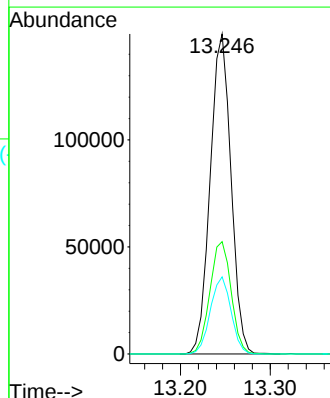
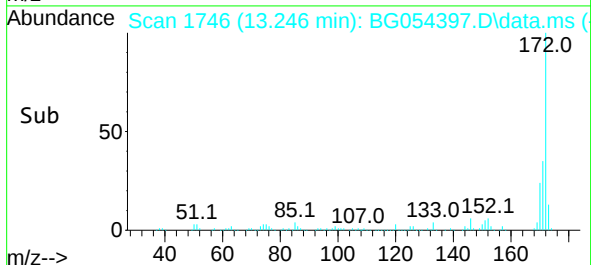
Reviewed By :Christian Giraldo 07/27/2022
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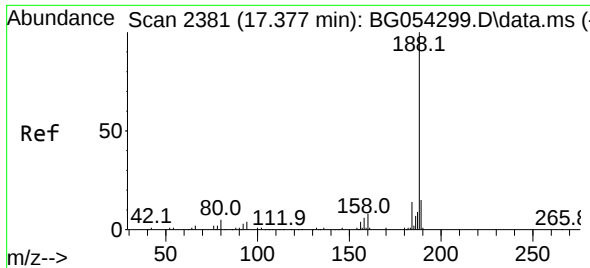


#45
2-Fluorobiphenyl
Concen: 61.051 ng
RT: 13.246 min Scan# 1746
Delta R.T. -0.012 min
Lab File: BG054397.D
Acq: 26 Jul 2022 14:09



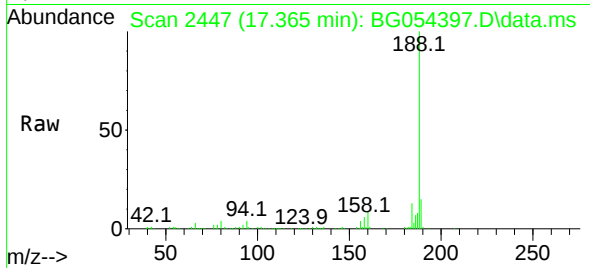
Tgt Ion:172 Resp: 240148
Ion Ratio Lower Upper
172 100
171 35.1 28.5 42.7
170 24.1 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.365 min Scan# 2447
Delta R.T. -0.012 min
Lab File: BG054397.D
Acq: 26 Jul 2022 14:09

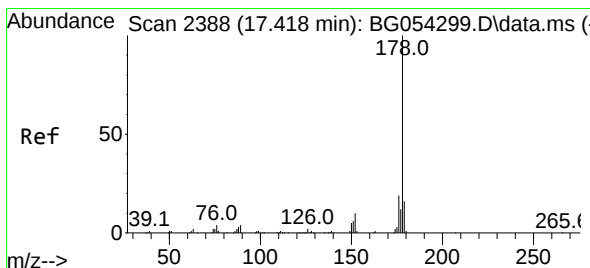
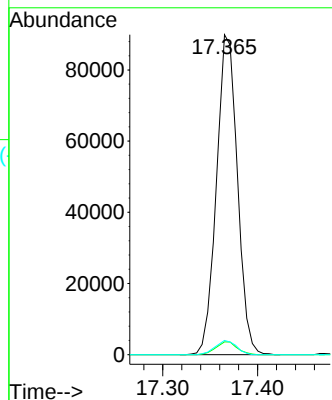
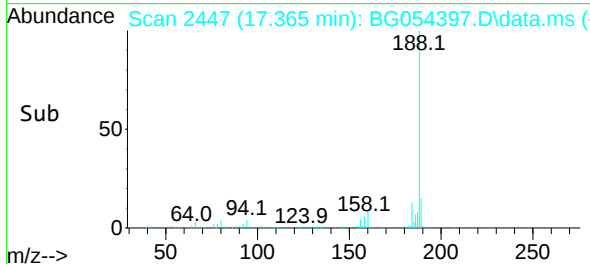
Instrument :
BNA_G
ClientSampleId :
TP-1



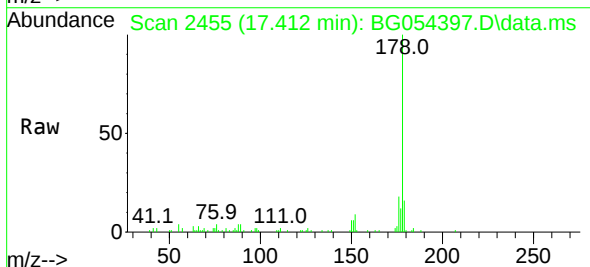
Tgt Ion:188 Resp: 13817
Ion Ratio Lower Upper
188 100
94 4.0 5.4 8.0
80 4.5 6.8 10.2

Manual Integrations
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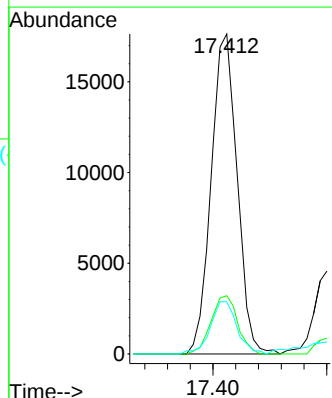
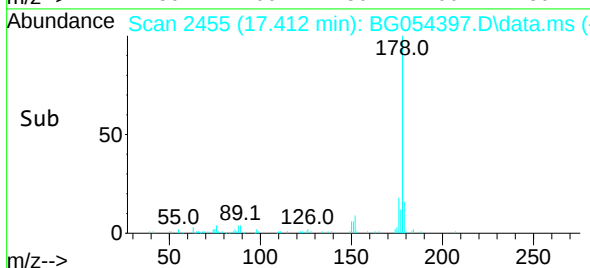
Reviewed By :Christian Giraldo 07/27/2022
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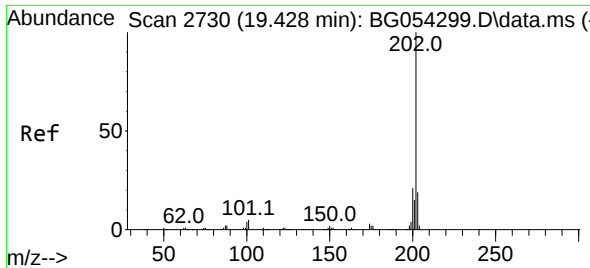


#71
Phenanthrene
Concen: 4.063 ng
RT: 17.412 min Scan# 2455
Delta R.T. -0.006 min
Lab File: BG054397.D
Acq: 26 Jul 2022 14:09



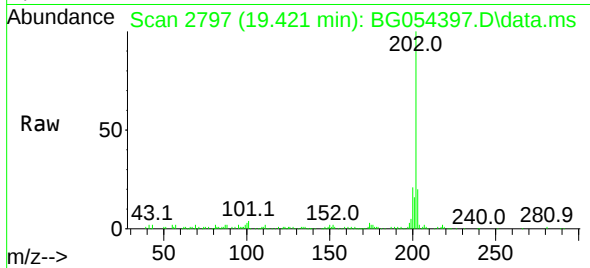
Tgt Ion:178 Resp: 27958
Ion Ratio Lower Upper
178 100
176 18.2 14.1 21.1
179 16.3 12.1 18.1





#75
Fluoranthene
Concen: 8.030 ng
RT: 19.421 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG054397.D
Acq: 26 Jul 2022 14:09

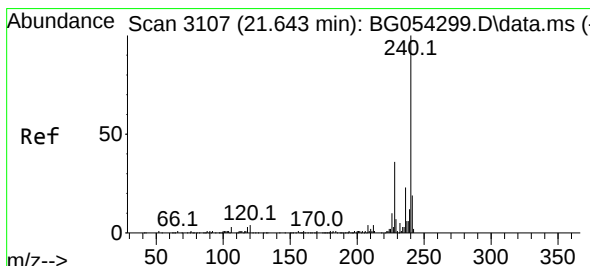
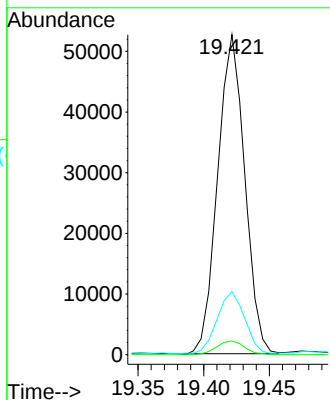
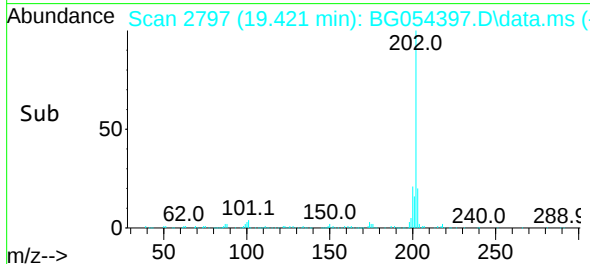
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Tgt Ion:202 Resp: 75318
Ion Ratio Lower Upper
202 100
101 4.3 0.0 26.9
203 19.7 0.0 37.2

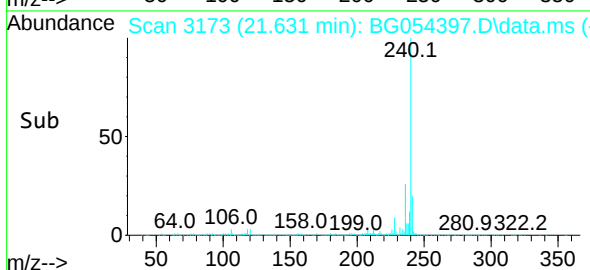
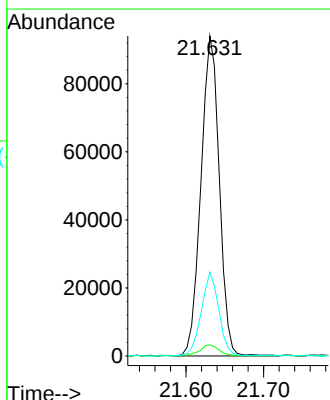
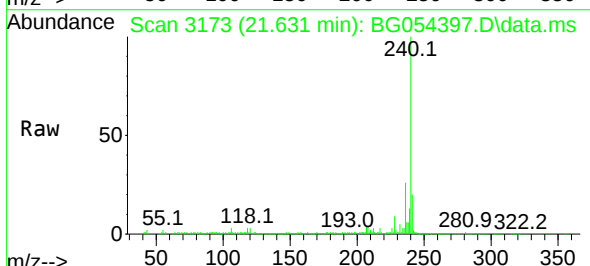
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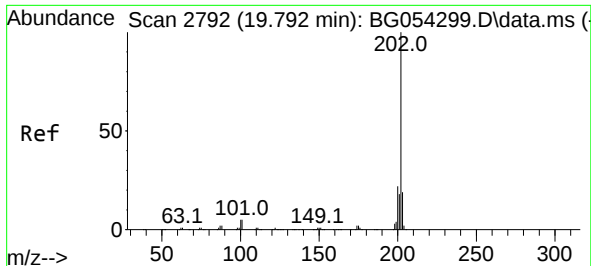
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.631 min Scan# 3173
Delta R.T. -0.012 min
Lab File: BG054397.D
Acq: 26 Jul 2022 14:09

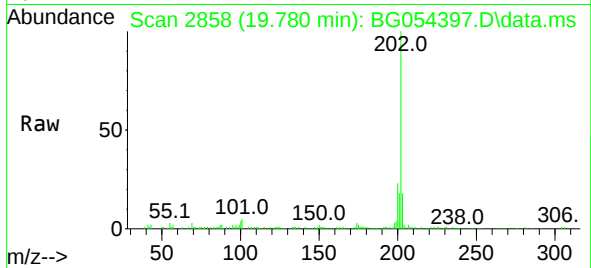
Tgt Ion:240 Resp: 154409
Ion Ratio Lower Upper
240 100
120 3.5 4.6 7.0#
236 26.2 20.2 30.4





#78
Pyrene
Concen: 8.300 ng
RT: 19.780 min Scan# 2792
Delta R.T. -0.012 min
Lab File: BG054397.D
Acq: 26 Jul 2022 14:09

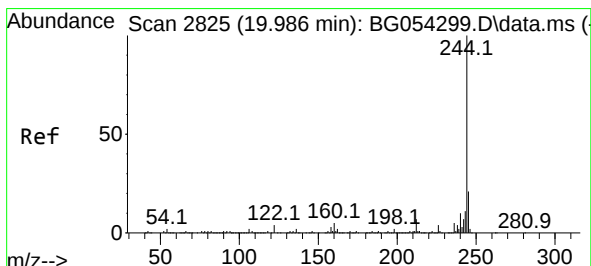
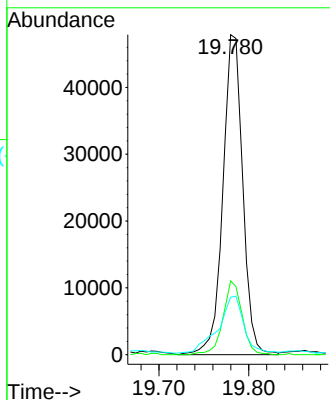
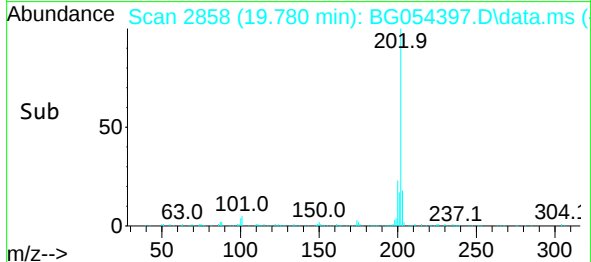
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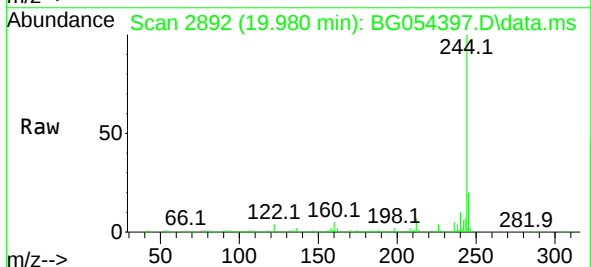
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Ion Ratio Lower Upper
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200 23.0 16.6 24.8
203 18.0 14.6 21.8

Manual Integrations
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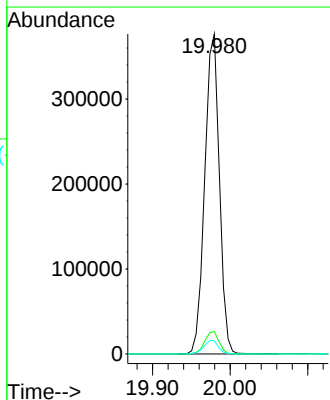
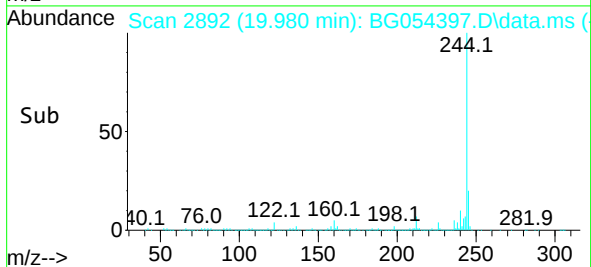
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022

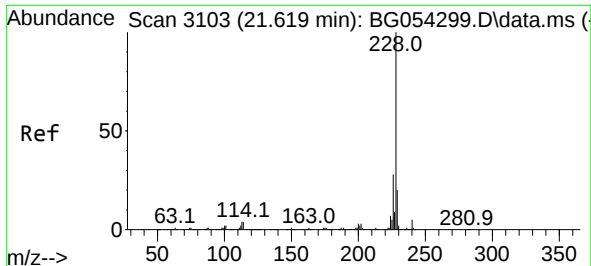


#79
Terphenyl-d14
Concen: 63.355 ng
RT: 19.980 min Scan# 2892
Delta R.T. -0.006 min
Lab File: BG054397.D
Acq: 26 Jul 2022 14:09



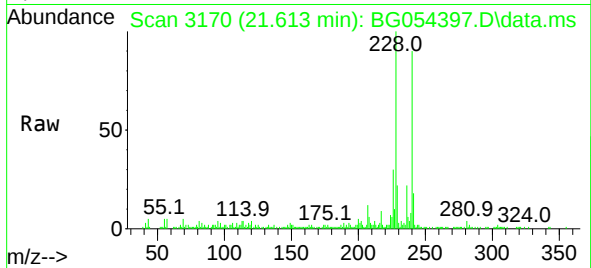
Tgt Ion:244 Resp: 493121
Ion Ratio Lower Upper
244 100
212 7.0 6.5 9.7
122 4.2 5.0 7.4





#81
Benzo(a)anthracene
Concen: 4.903 ng
RT: 21.613 min Scan# 3103
Delta R.T. -0.006 min
Lab File: BG054397.D
Acq: 26 Jul 2022 14:09

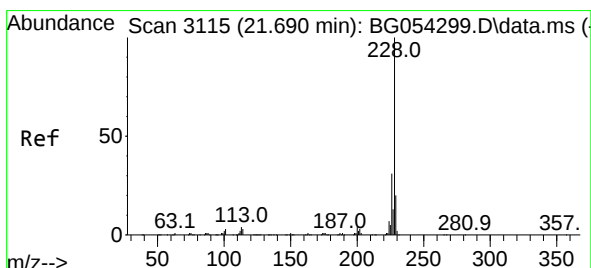
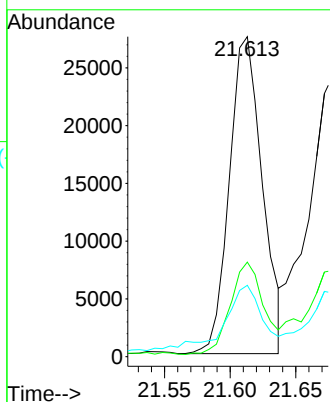
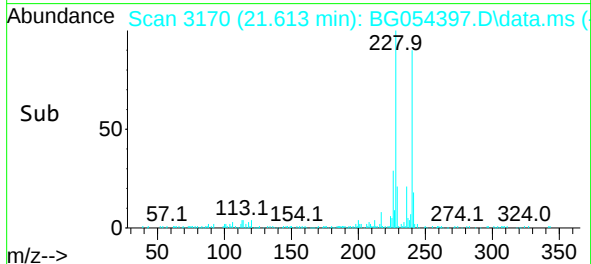
Instrument :
BNA_G
ClientSampleId :
TP-1



Tgt Ion:228 Resp: 48060
Ion Ratio Lower Upper
228 100
226 29.6 21.6 32.4
229 22.3 16.2 24.2

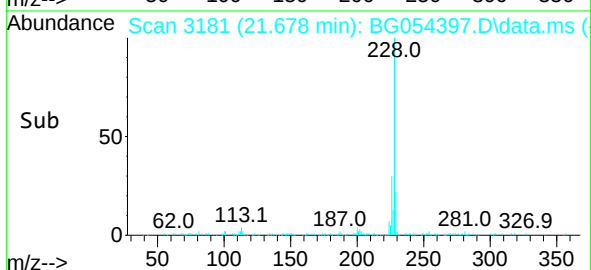
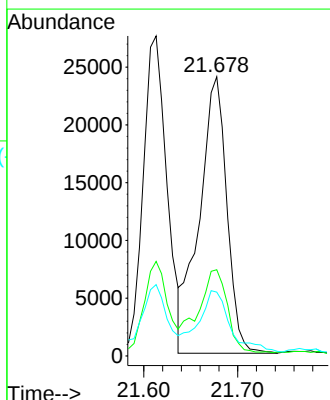
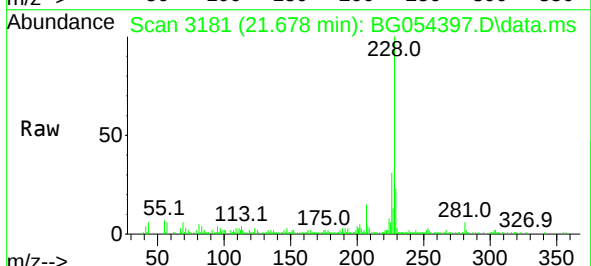
Manual Integrations
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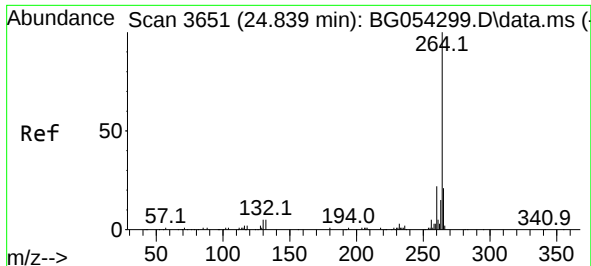
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022



#83
Chrysene
Concen: 5.293 ng m
RT: 21.678 min Scan# 3181
Delta R.T. -0.012 min
Lab File: BG054397.D
Acq: 26 Jul 2022 14:09

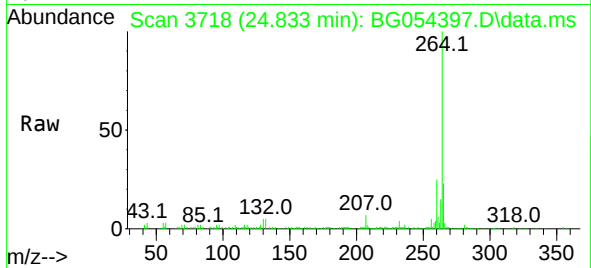
Tgt Ion:228 Resp: 49011
Ion Ratio Lower Upper
228 100
226 30.9 23.4 35.2
229 22.9 15.5 23.3





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.833 min Scan# 31
 Delta R.T. -0.006 min
 Lab File: BG054397.D
 Acq: 26 Jul 2022 14:09

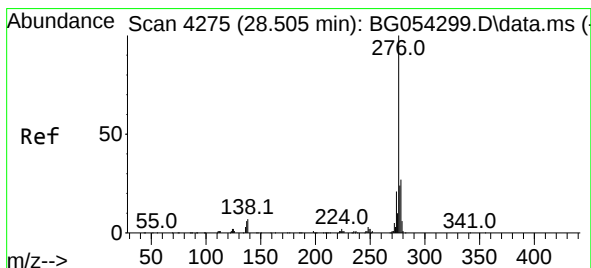
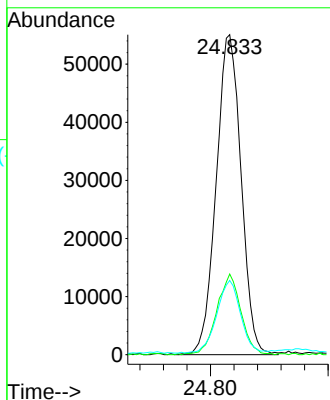
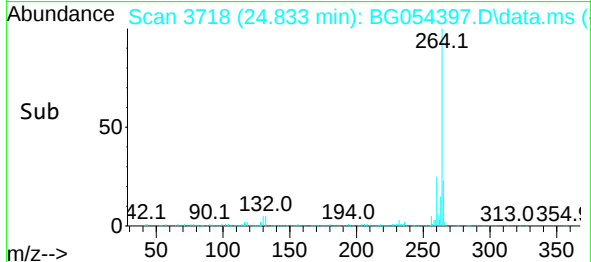
Instrument :
 BNA_G
 ClientSampleId :
 TP-1



Tgt Ion:264 Resp: 16178
 Ion Ratio Lower Upper
 264 100
 260 25.2 19.0 28.6
 265 23.2 17.4 26.2

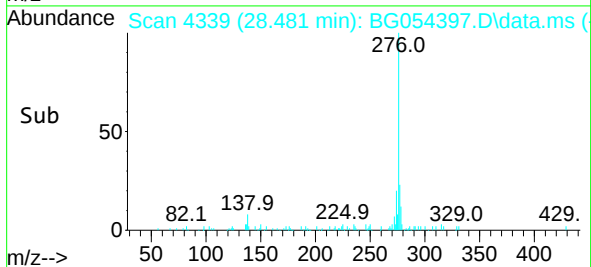
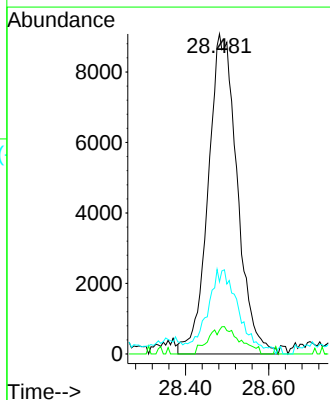
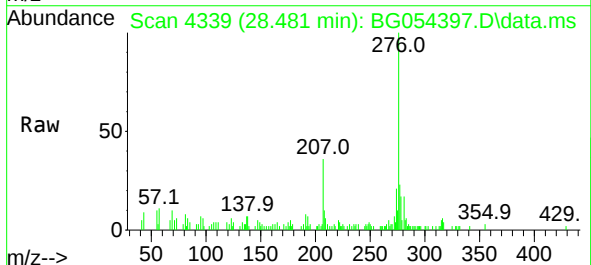
Manual Integrations
 APPROVED

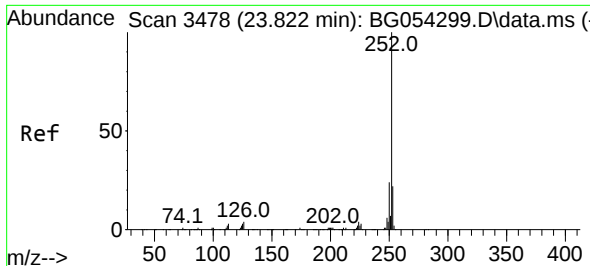
Reviewed By :Christian Giraldo 07/27/2022
 Supervised By :Jagrut Upadhyay 07/27/2022



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.562 ng
 RT: 28.481 min Scan# 4339
 Delta R.T. -0.024 min
 Lab File: BG054397.D
 Acq: 26 Jul 2022 14:09

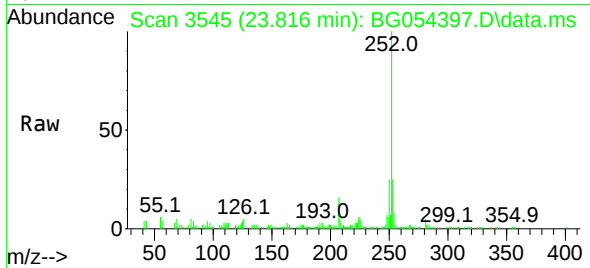
Tgt Ion:276 Resp: 43842
 Ion Ratio Lower Upper
 276 100
 138 6.0 5.0 7.4
 277 0.0 20.3 30.5#





#88
Benzo(b)fluoranthene
Concen: 8.017 ng
RT: 23.816 min Scan# 3545
Delta R.T. -0.006 min
Lab File: BG054397.D
Acq: 26 Jul 2022 14:09

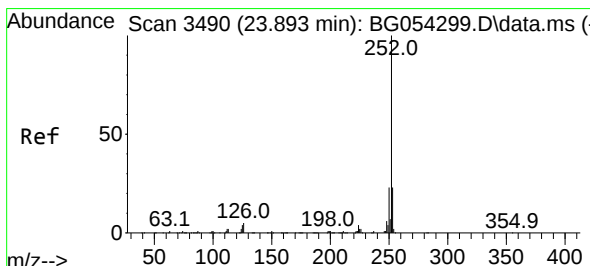
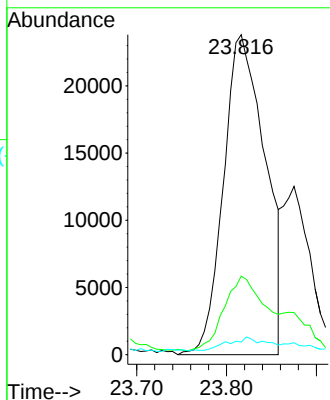
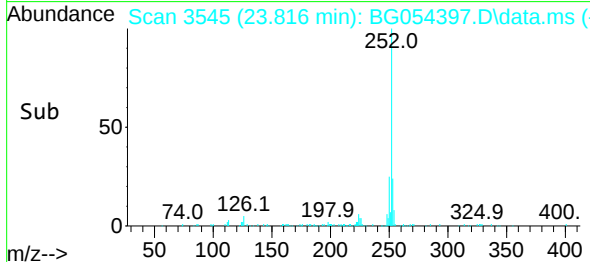
Instrument :
BNA_G
ClientSampleId :
TP-1



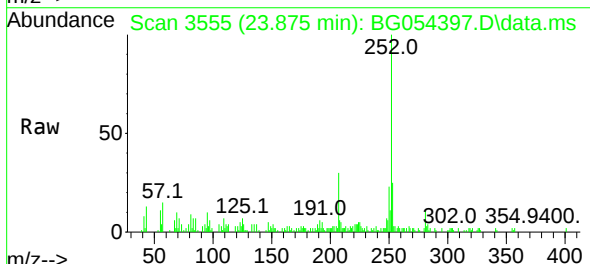
Tgt Ion:252 Resp: 76710
Ion Ratio Lower Upper
252 100
253 24.5 18.0 27.0
125 4.0 4.6 6.8

Manual Integrations
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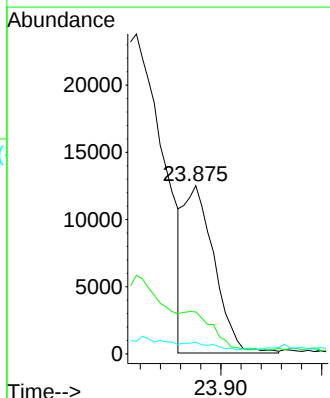
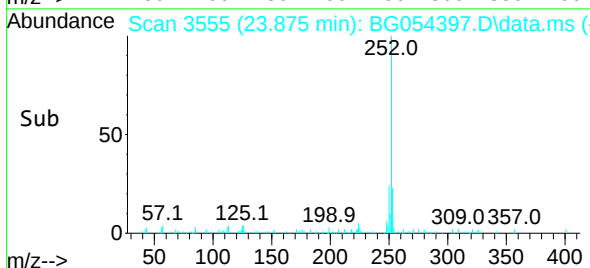
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022

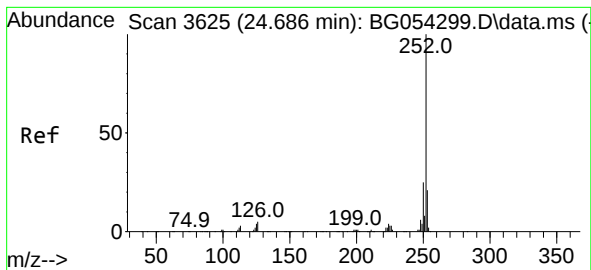


#89
Benzo(k)fluoranthene
Concen: 2.770 ng m
RT: 23.875 min Scan# 3555
Delta R.T. -0.018 min
Lab File: BG054397.D
Acq: 26 Jul 2022 14:09



Tgt Ion:252 Resp: 26372
Ion Ratio Lower Upper
252 100
253 25.0 18.4 27.6
125 7.2 4.8 7.2





#90

Benzo(a)pyrene

Concen: 6.053 ng m

RT: 24.680 min Scan# 30

Delta R.T. -0.006 min

Lab File: BG054397.D

Acq: 26 Jul 2022 14:09

Instrument :

BNA_G

ClientSampleId :

TP-1

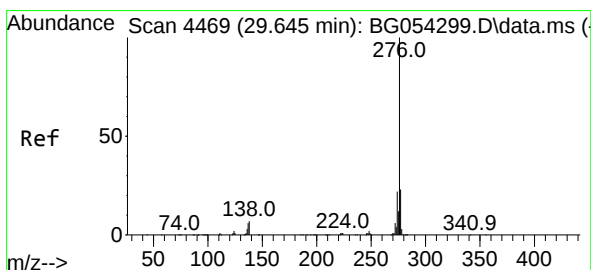
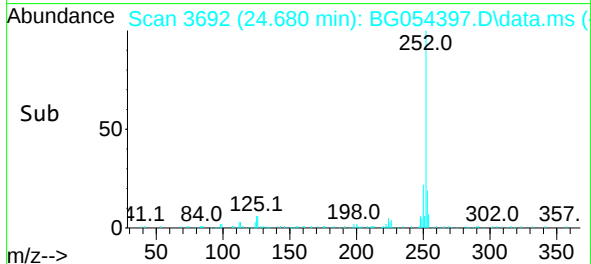
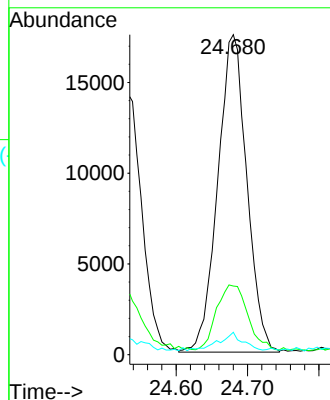
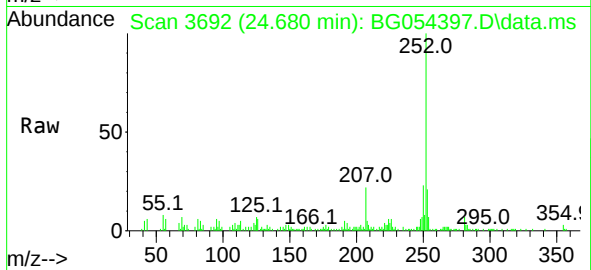
Tgt Ion:252 Resp: 49462
 Ion Ratio Lower Upper
 252 100
 253 21.5 17.8 26.8
 125 7.0 4.3 6.5

Manual Integrations

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Reviewed By :Christian Giraldo 07/27/2022

Supervised By :Jagrut Upadhyay 07/27/2022



#92

Benzo(g,h,i)perylene

Concen: 4.173 ng

RT: 29.633 min Scan# 4535

Delta R.T. -0.012 min

Lab File: BG054397.D

Acq: 26 Jul 2022 14:09

Tgt Ion:276 Resp: 41681
 Ion Ratio Lower Upper
 276 100
 277 25.5 17.3 25.9
 138 8.8 9.6 14.4

