

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
 Data File : BG054402.D
 Acq On : 26 Jul 2022 17:37
 Operator : CG/JU
 Sample : N3839-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ENV-DE-1-(5-10)

Manual Integrations
 APPROVED

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

Quant Time: Jul 27 04:33:52 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	17879	20.000	ng	-0.01
21) Naphthalene-d8	10.797	136	68078	20.000	ng	#-0.01
39) Acenaphthene-d10	14.622	164	55368	20.000	ng	-0.01
64) Phenanthrene-d10	17.365	188	139839	20.000	ng	#-0.01
76) Chrysene-d12	21.631	240	155035	20.000	ng	#-0.01
86) Perylene-d12	24.833	264	163813	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.562	112	77996	91.083	ng	0.00
7) Phenol-d6	7.171	99	114128	97.265	ng	0.00
23) Nitrobenzene-d5	9.152	82	71740	57.386	ng	-0.01
42) 2,4,6-Tribromophenol	16.114	330	98455	84.691	ng	-0.01
45) 2-Fluorobiphenyl	13.241	172	237010	60.387	ng	-0.02
79) Terphenyl-d14	19.974	244	524351	67.095	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.407	178	58687	8.427	ng	98
75) Fluoranthene	19.416	202	145366	15.313	ng	95
78) Pyrene	19.780	202	144111	16.200	ng	99
81) Benzo(a)anthracene	21.607	228	90325	9.178	ng	99
83) Chrysene	21.672	228	83575	8.989	ng	96
87) Indeno(1,2,3-cd)pyrene	28.488	276	62001	4.975	ng	# 95
88) Benzo(b)fluoranthene	23.817	252	119034	12.287	ng	# 96
89) Benzo(k)fluoranthene	23.864	252	38052m	3.947	ng	
90) Benzo(a)pyrene	24.674	252	91228m	11.027	ng	
92) Benzo(g,h,i)perylene	29.628	276	62330	6.163	ng	# 94

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

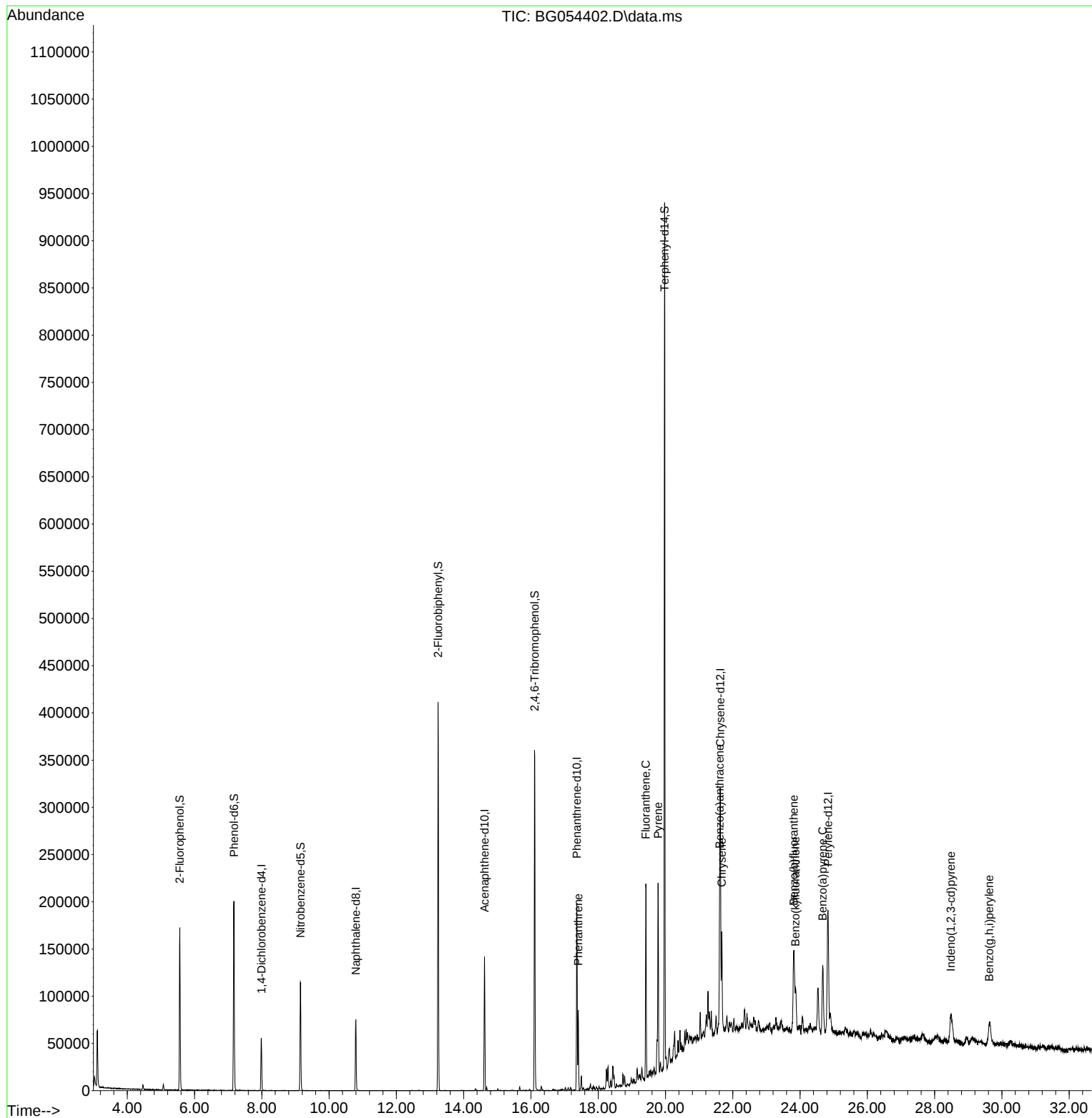
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
Data File : BG054402.D
Acq On : 26 Jul 2022 17:37
Operator : CG/JU
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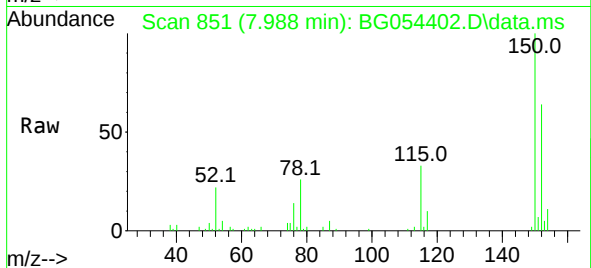
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.988 min Scan# 81
Delta R.T. -0.012 min
Lab File: BG054402.D
Acq: 26 Jul 2022 17:37

Instrument :

BNA_G

ClientSampleId :

ENV-DE-1-(5-10)

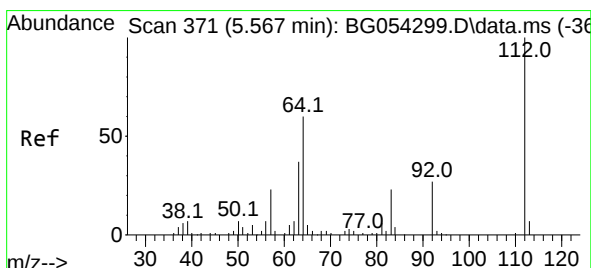
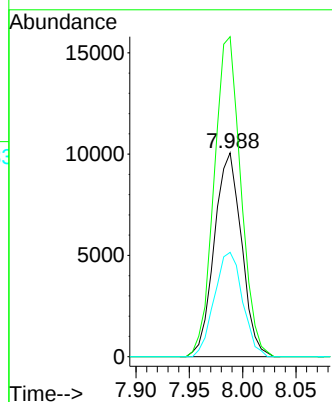
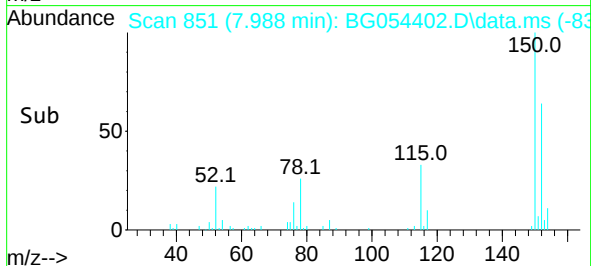


Tgt Ion:152 Resp: 17879
Ion Ratio Lower Upper
152 100
150 157.0 131.6 197.4
115 51.2 50.9 76.3

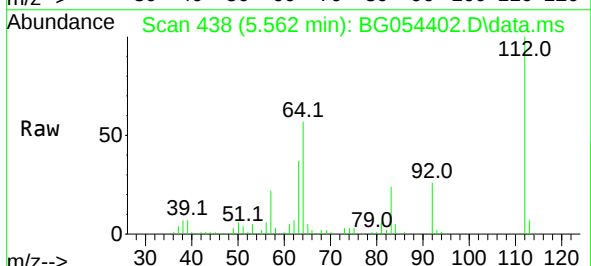
Manual Integrations

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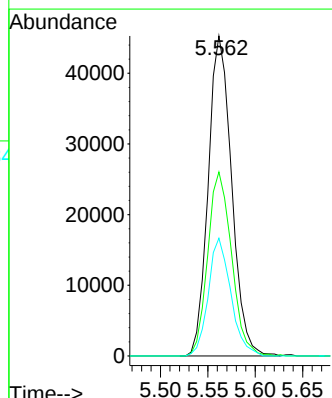
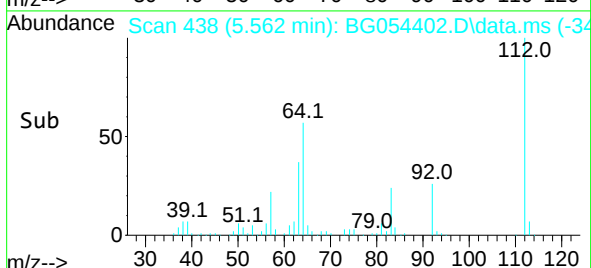
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022

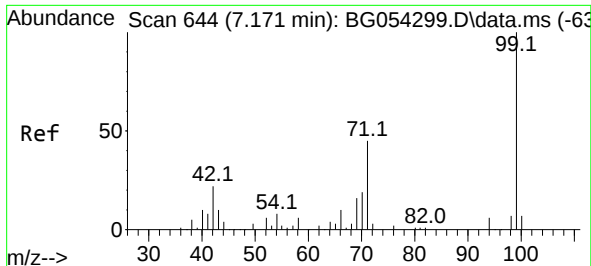


#5
2-Fluorophenol
Concen: 91.083 ng
RT: 5.562 min Scan# 438
Delta R.T. -0.006 min
Lab File: BG054402.D
Acq: 26 Jul 2022 17:37



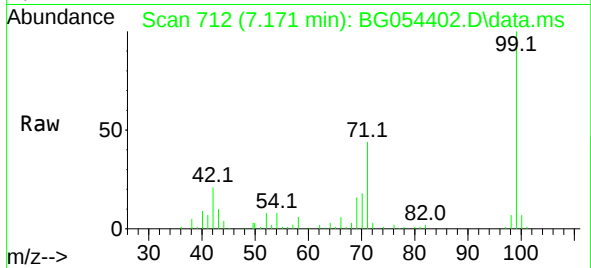
Tgt Ion:112 Resp: 77996
Ion Ratio Lower Upper
112 100
64 57.5 55.1 82.7
63 36.8 30.4 45.6





#7
Phenol-d6
Concen: 97.265 ng
RT: 7.171 min Scan# 71
Delta R.T. 0.000 min
Lab File: BG054402.D
Acq: 26 Jul 2022 17:37

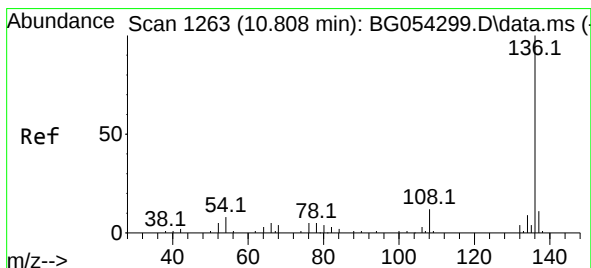
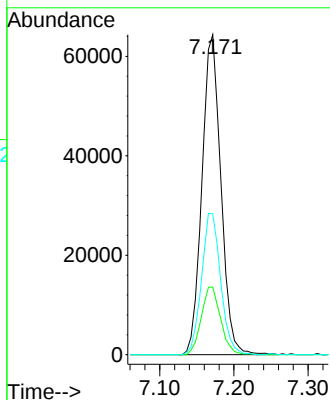
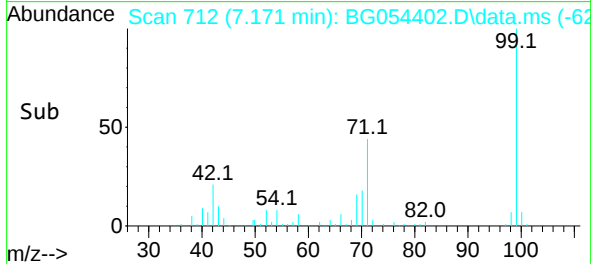
Instrument :
BNA_G
ClientSampleId :
ENV-DE-1-(5-10)



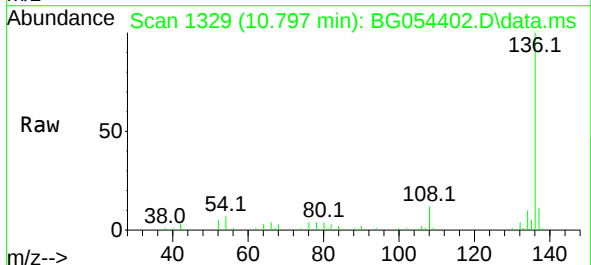
Tgt Ion: 99 Resp: 114128
Ion Ratio Lower Upper
99 100
42 21.1 17.0 25.6
71 44.0 33.8 50.8

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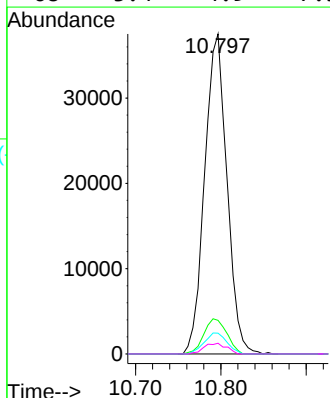
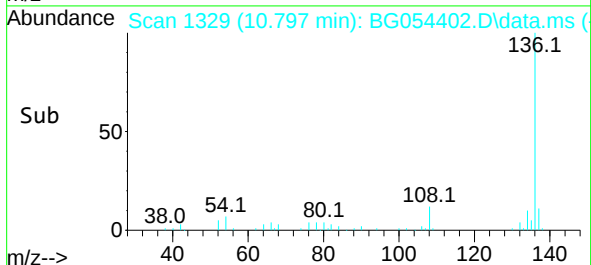
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.797 min Scan# 1329
Delta R.T. -0.011 min
Lab File: BG054402.D
Acq: 26 Jul 2022 17:37



Tgt Ion:136 Resp: 68078
Ion Ratio Lower Upper
136 100
137 10.5 8.5 12.7
54 6.5 7.4 11.2#
68 3.4 4.9 7.3#





#23
Nitrobenzene-d5
Concen: 57.386 ng
RT: 9.152 min Scan# 1049
Delta R.T. -0.012 min
Lab File: BG054402.D
Acq: 26 Jul 2022 17:37

Instrument :

BNA_G

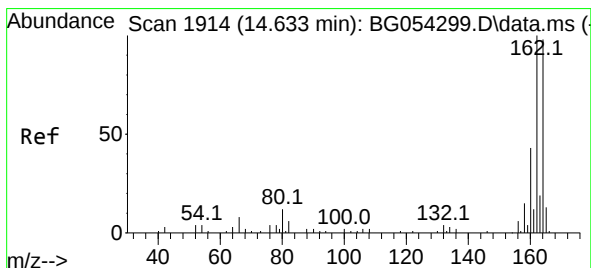
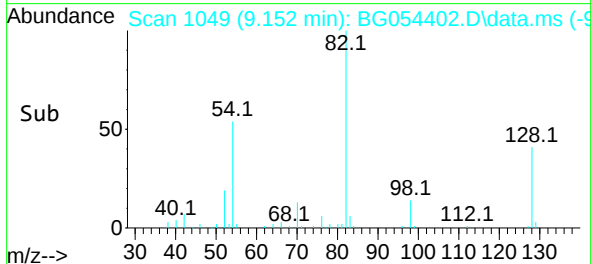
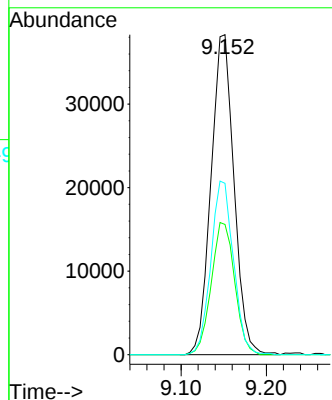
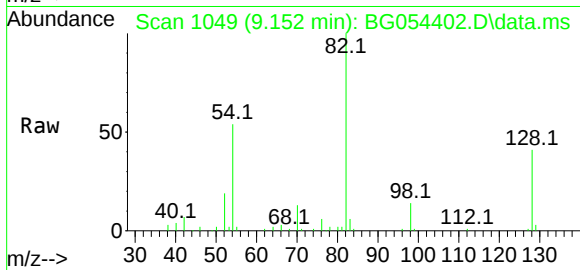
ClientSampleId :

ENV-DE-1-(5-10)

Tgt Ion: 82 Resp: 71740
Ion Ratio Lower Upper
82 100
128 40.7 27.9 41.9
54 53.6 41.2 61.8

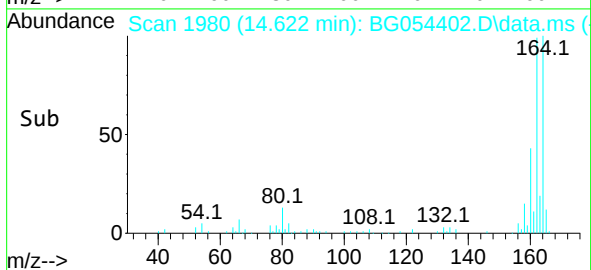
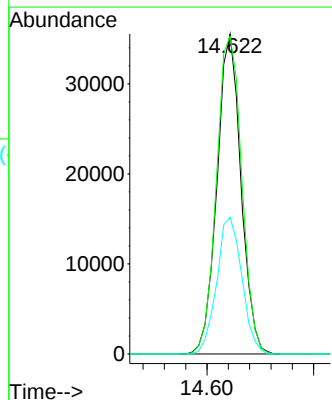
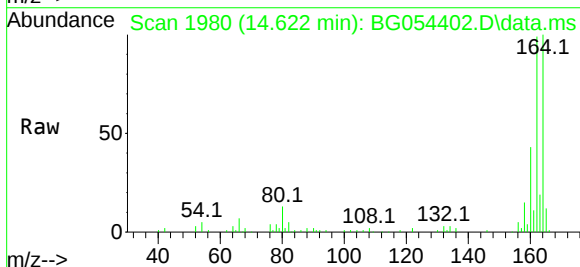
Manual Integrations
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.622 min Scan# 1980
Delta R.T. -0.011 min
Lab File: BG054402.D
Acq: 26 Jul 2022 17:37

Tgt Ion:164 Resp: 55368
Ion Ratio Lower Upper
164 100
162 99.3 82.3 123.5
160 42.7 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 84.691 ng
RT: 16.114 min Scan# 2168
Delta R.T. -0.012 min
Lab File: BG054402.D
Acq: 26 Jul 2022 17:37

Instrument :

BNA_G

ClientSampleId :

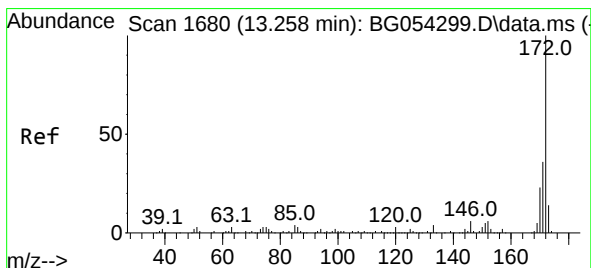
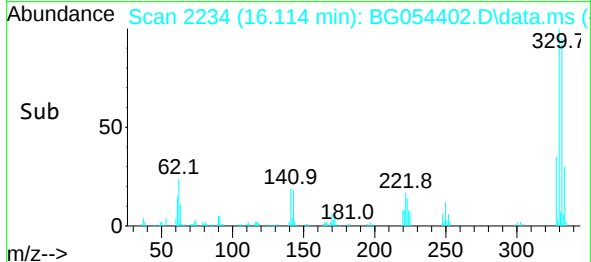
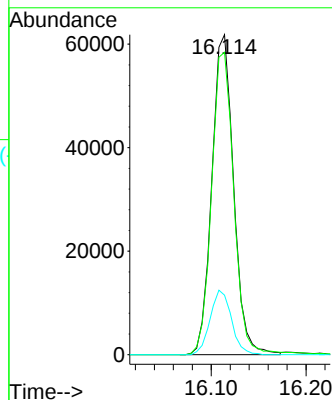
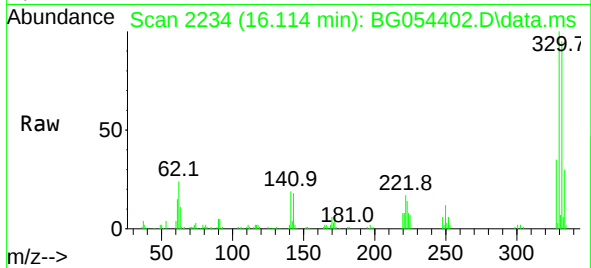
ENV-DE-1-(5-10)

Tgt Ion:330 Resp: 9845
Ion Ratio Lower Upper
330 100
332 97.2 76.0 114.0
141 19.8 27.1 40.7

Manual Integrations

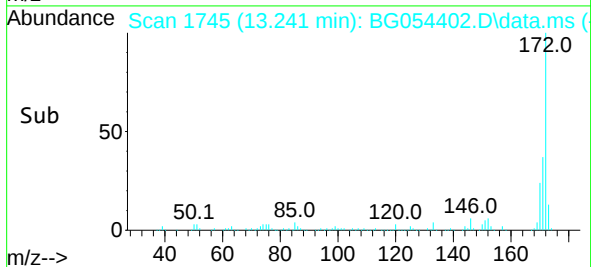
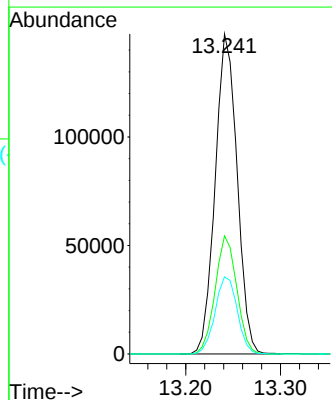
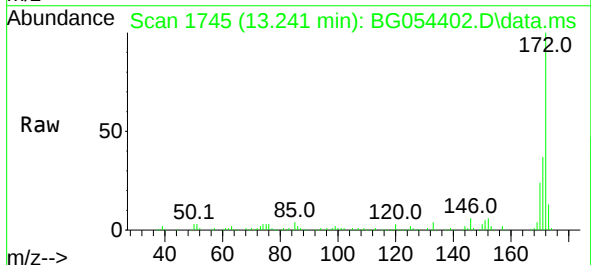
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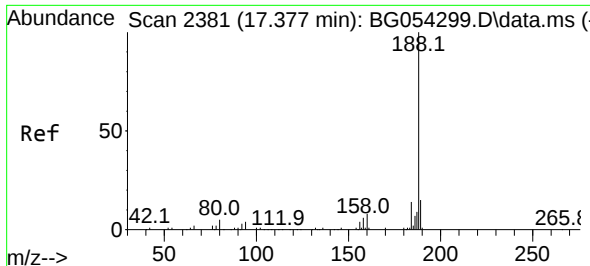
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022



#45
2-Fluorobiphenyl
Concen: 60.387 ng
RT: 13.241 min Scan# 1745
Delta R.T. -0.018 min
Lab File: BG054402.D
Acq: 26 Jul 2022 17:37

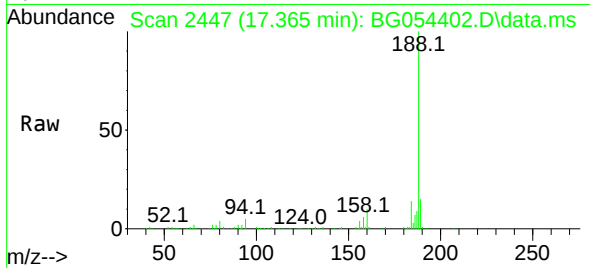
Tgt Ion:172 Resp: 237010
Ion Ratio Lower Upper
172 100
171 36.9 28.5 42.7
170 24.1 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.365 min Scan# 2447
Delta R.T. -0.012 min
Lab File: BG054402.D
Acq: 26 Jul 2022 17:37

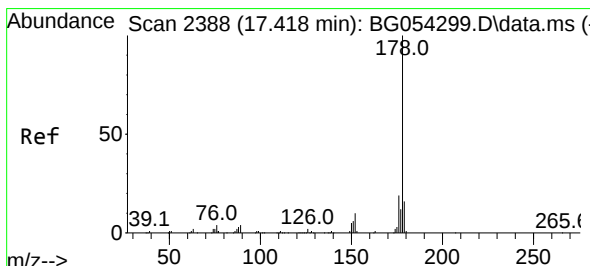
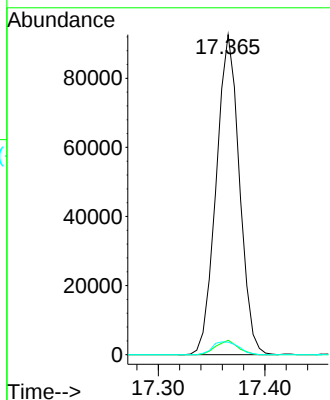
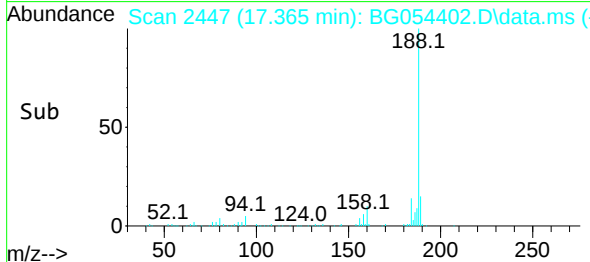
Instrument :
BNA_G
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ENV-DE-1-(5-10)



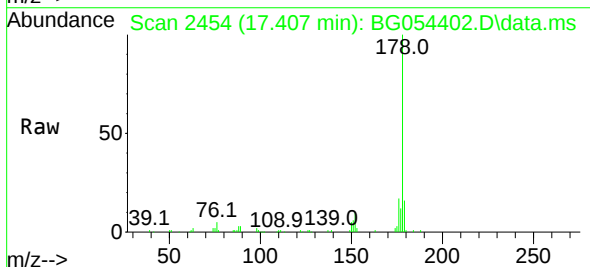
Tgt Ion:188 Resp: 139839
Ion Ratio Lower Upper
188 100
94 4.5 5.4 8.0
80 3.9 6.8 10.2

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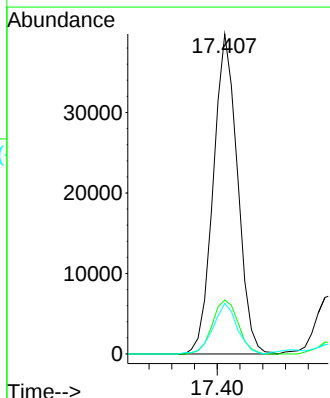
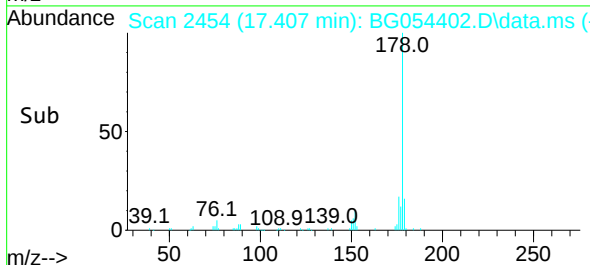
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022

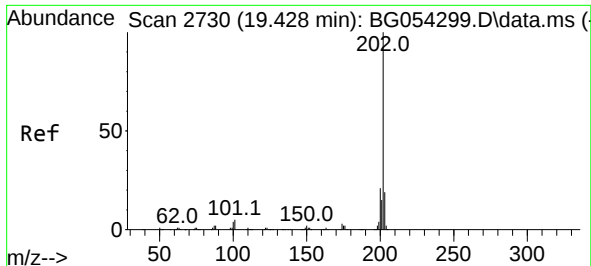


#71
Phenanthrene
Concen: 8.427 ng
RT: 17.407 min Scan# 2454
Delta R.T. -0.012 min
Lab File: BG054402.D
Acq: 26 Jul 2022 17:37



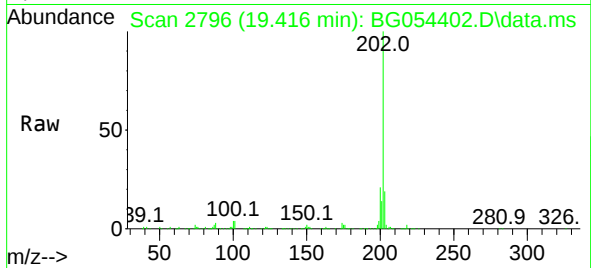
Tgt Ion:178 Resp: 58687
Ion Ratio Lower Upper
178 100
176 16.9 14.1 21.1
179 15.8 12.1 18.1





#75
Fluoranthene
Concen: 15.313 ng
RT: 19.416 min Scan# 21
Delta R.T. -0.012 min
Lab File: BG054402.D
Acq: 26 Jul 2022 17:37

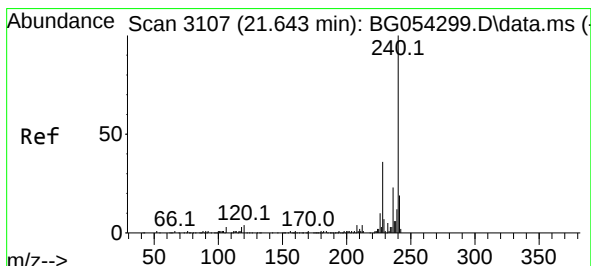
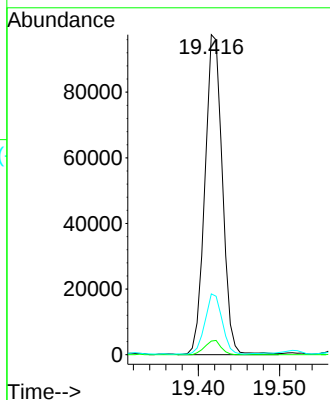
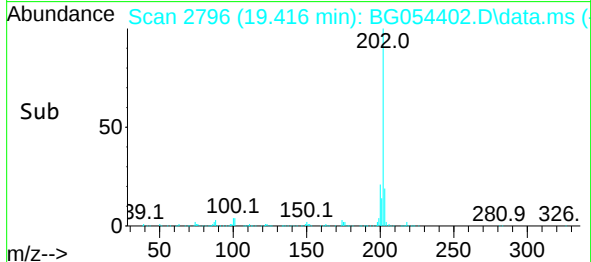
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BNA_G
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Tgt Ion:202 Resp: 145360
Ion Ratio Lower Upper
202 100
101 4.2 0.0 26.9
203 19.0 0.0 37.2

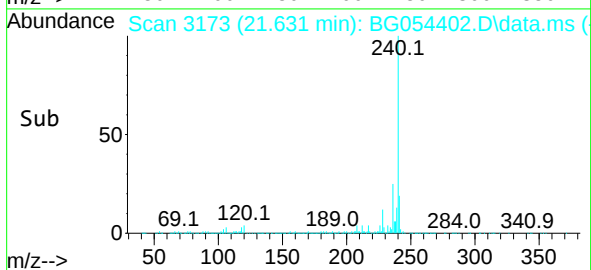
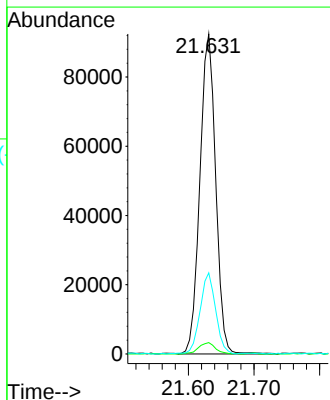
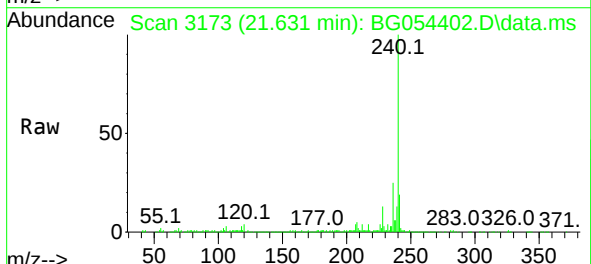
Manual Integrations
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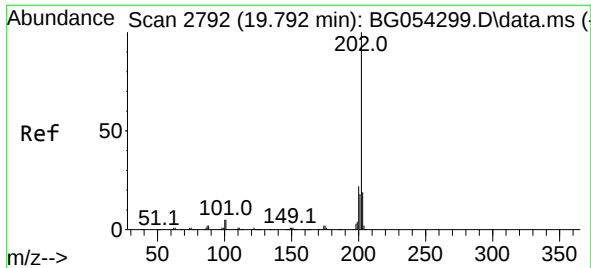
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.631 min Scan# 3173
Delta R.T. -0.012 min
Lab File: BG054402.D
Acq: 26 Jul 2022 17:37

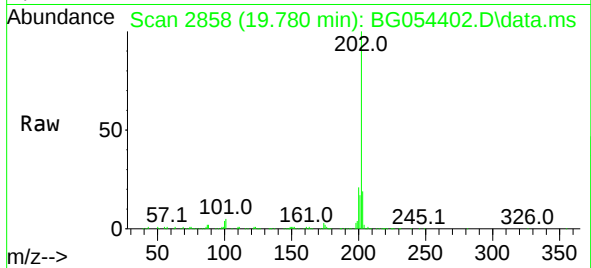
Tgt Ion:240 Resp: 155035
Ion Ratio Lower Upper
240 100
120 3.5 4.6 7.0#
236 25.4 20.2 30.4





#78
 Pyrene
 Concen: 16.200 ng
 RT: 19.780 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BG054402.D
 Acq: 26 Jul 2022 17:37

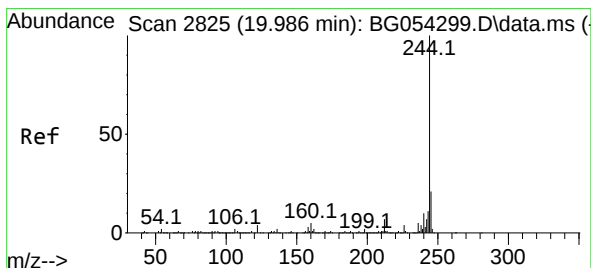
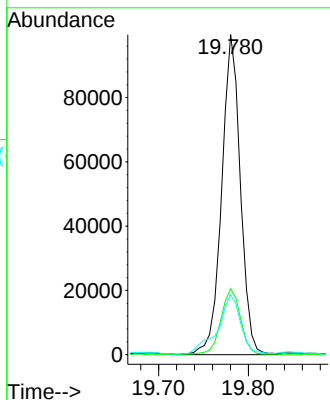
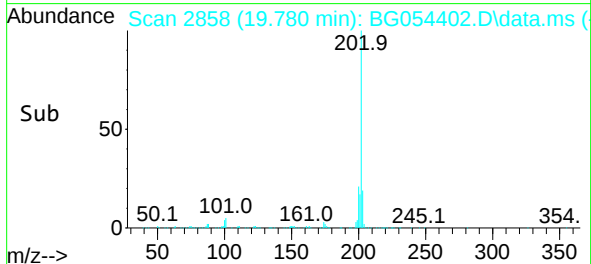
Instrument :
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 ENV-DE-1-(5-10)



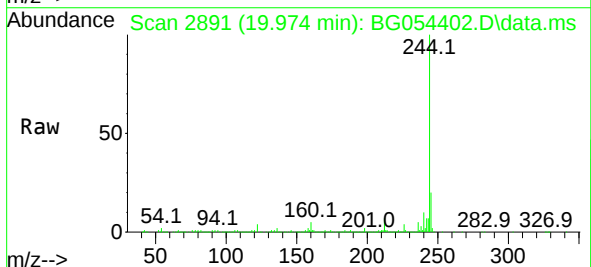
Tgt Ion:202 Resp: 14411
 Ion Ratio Lower Upper
 202 100
 200 20.6 16.6 24.8
 203 18.7 14.6 21.8

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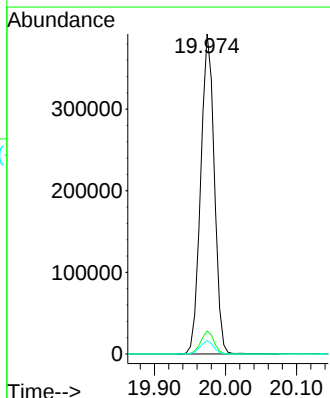
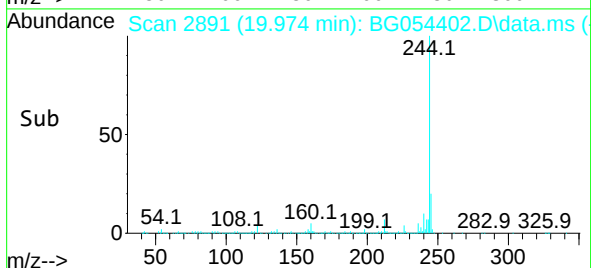
Reviewed By :Christian Giraldo 07/27/2022
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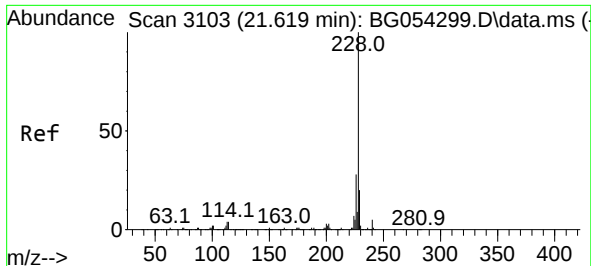


#79
 Terphenyl-d14
 Concen: 67.095 ng
 RT: 19.974 min Scan# 2891
 Delta R.T. -0.012 min
 Lab File: BG054402.D
 Acq: 26 Jul 2022 17:37



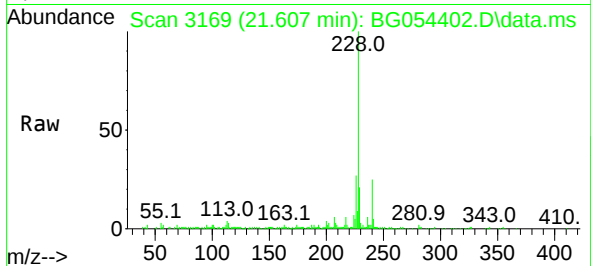
Tgt Ion:244 Resp: 524351
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.5 9.7
 122 4.1 5.0 7.4#





#81
Benzo(a)anthracene
Concen: 9.178 ng
RT: 21.607 min Scan# 3103
Delta R.T. -0.012 min
Lab File: BG054402.D
Acq: 26 Jul 2022 17:37

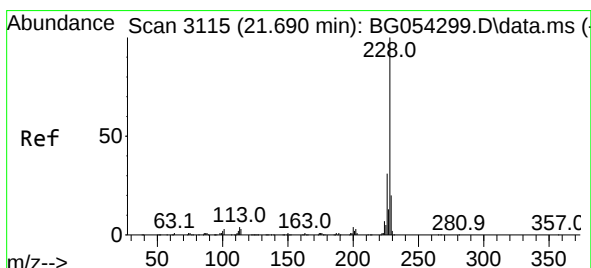
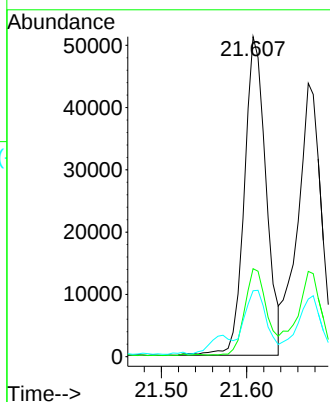
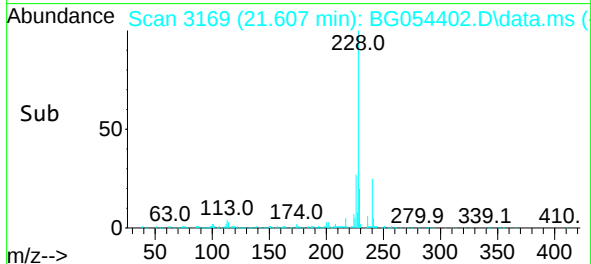
Instrument :
BNA_G
ClientSampleId :
ENV-DE-1-(5-10)



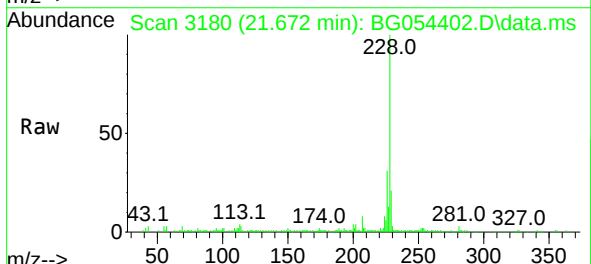
Tgt Ion:228 Resp: 90325
Ion Ratio Lower Upper
228 100
226 27.5 21.6 32.4
229 20.6 16.2 24.2

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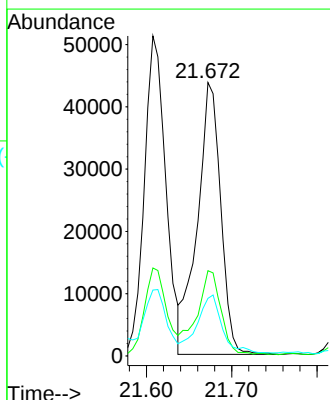
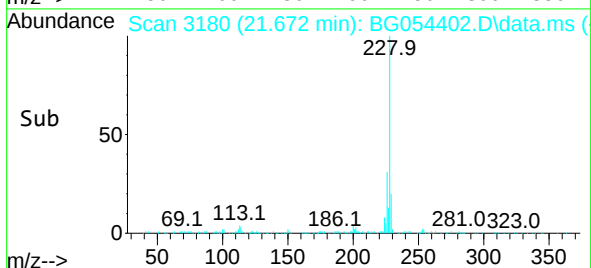
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022

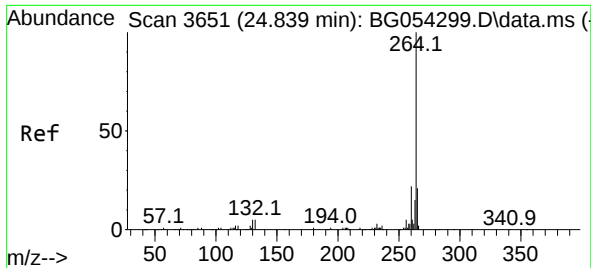


#83
Chrysene
Concen: 8.989 ng
RT: 21.672 min Scan# 3180
Delta R.T. -0.018 min
Lab File: BG054402.D
Acq: 26 Jul 2022 17:37



Tgt Ion:228 Resp: 83575
Ion Ratio Lower Upper
228 100
226 31.2 23.4 35.2
229 21.1 15.5 23.3





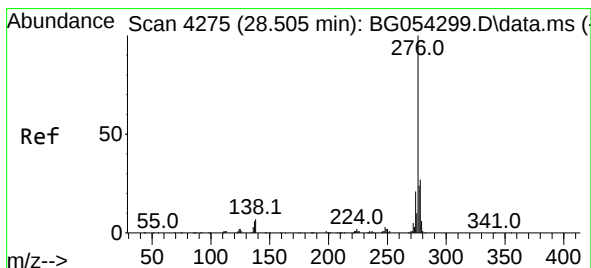
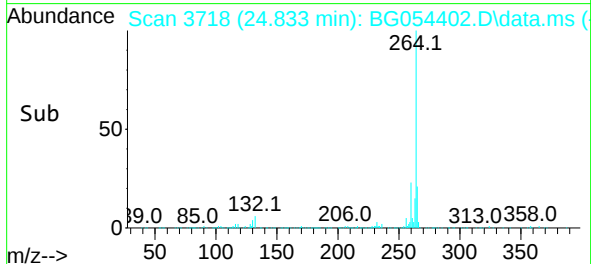
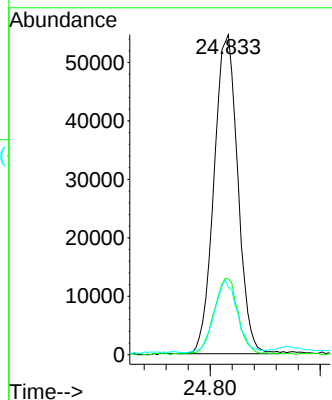
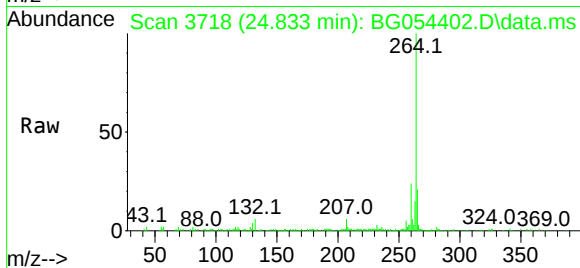
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.833 min Scan# 31
 Delta R.T. -0.006 min
 Lab File: BG054402.D
 Acq: 26 Jul 2022 17:37

Instrument :
 BNA_G
 ClientSampleId :
 ENV-DE-1-(5-10)

Tgt Ion:264 Resp: 16381
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.0 28.6
 265 21.1 17.4 26.2

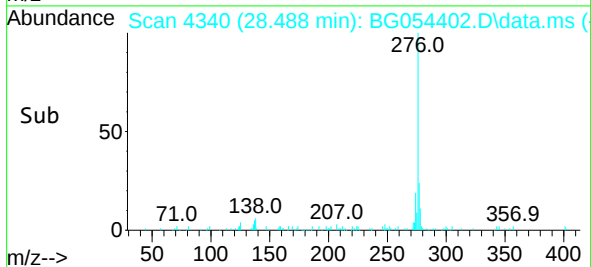
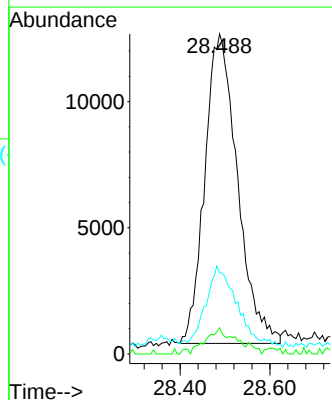
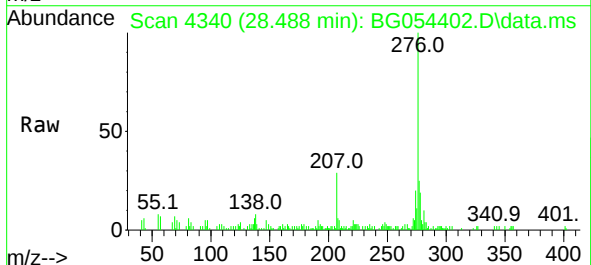
Manual Integrations
 APPROVED

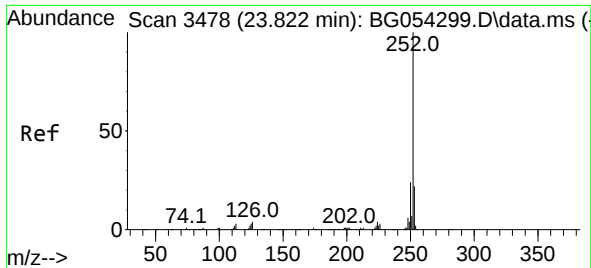
Reviewed By :Christian Giraldo 07/27/2022
 Supervised By :Jagrut Upadhyay 07/27/2022



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.975 ng
 RT: 28.488 min Scan# 4340
 Delta R.T. -0.018 min
 Lab File: BG054402.D
 Acq: 26 Jul 2022 17:37

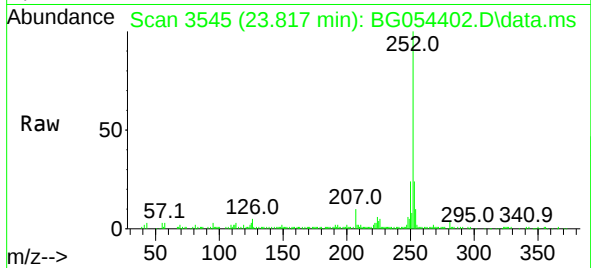
Tgt Ion:276 Resp: 62001
 Ion Ratio Lower Upper
 276 100
 138 4.9 5.0 7.4#
 277 22.5 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 12.287 ng
RT: 23.817 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG054402.D
Acq: 26 Jul 2022 17:37

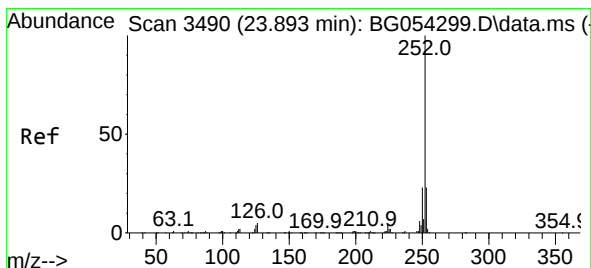
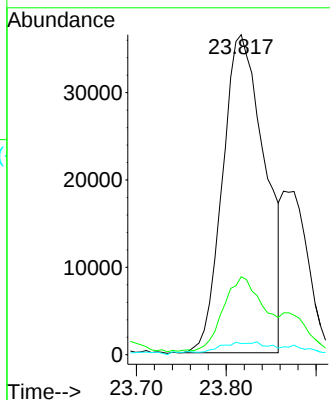
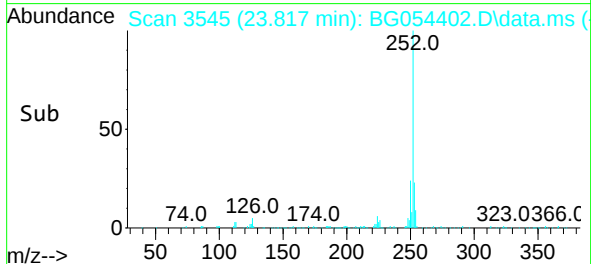
Instrument :
BNA_G
ClientSampleId :
ENV-DE-1-(5-10)



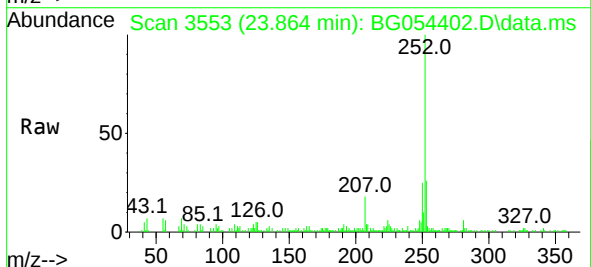
Tgt Ion:252 Resp: 119034
Ion Ratio Lower Upper
252 100
253 24.4 18.0 27.0
125 3.4 4.6 6.8

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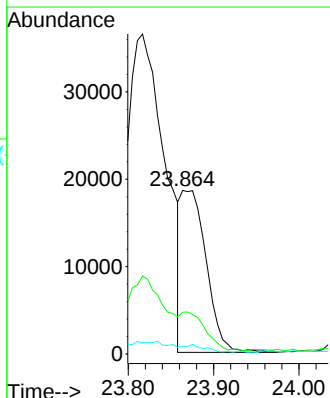
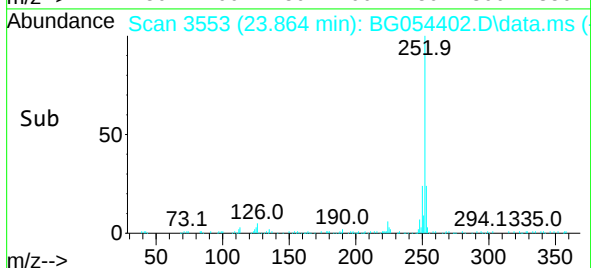
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022

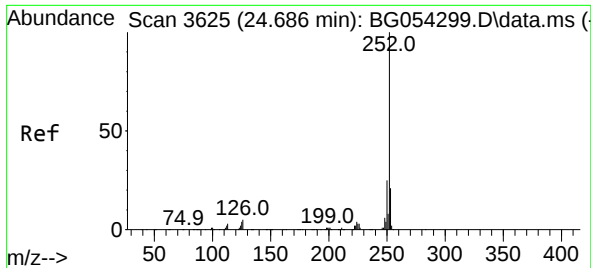


#89
Benzo(k)fluoranthene
Concen: 3.947 ng m
RT: 23.864 min Scan# 3553
Delta R.T. -0.029 min
Lab File: BG054402.D
Acq: 26 Jul 2022 17:37



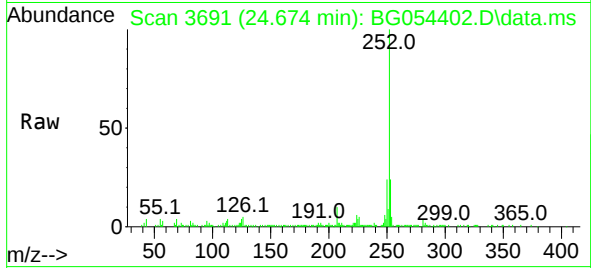
Tgt Ion:252 Resp: 38052
Ion Ratio Lower Upper
252 100
253 25.5 18.4 27.6
125 4.8 4.8 7.2





#90
Benzo(a)pyrene
Concen: 11.027 ng m
RT: 24.674 min Scan# 30
Delta R.T. -0.012 min
Lab File: BG054402.D
Acq: 26 Jul 2022 17:37

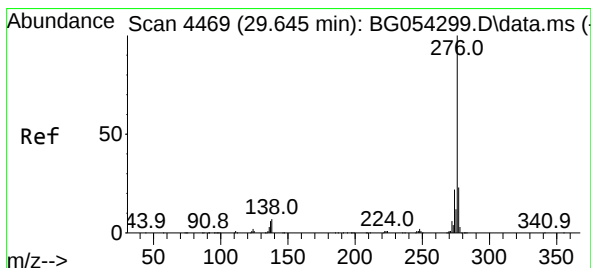
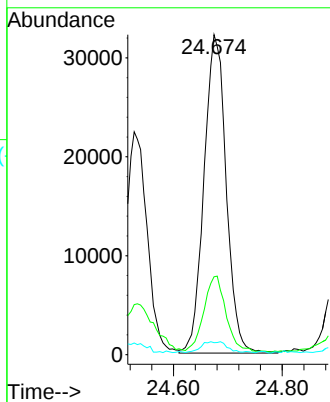
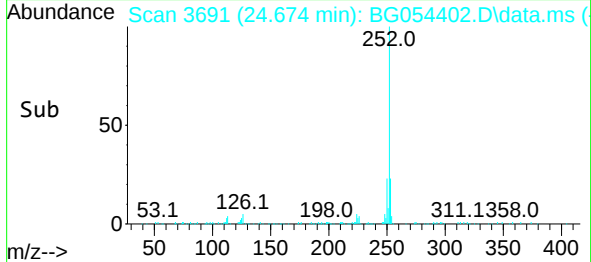
Instrument :
BNA_G
ClientSampleId :
ENV-DE-1-(5-10)



Tgt Ion:252 Resp: 91228
Ion Ratio Lower Upper
252 100
253 24.4 17.8 26.8
125 3.7 4.3 6.5

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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: 6.163 ng
RT: 29.628 min Scan# 4534
Delta R.T. -0.018 min
Lab File: BG054402.D
Acq: 26 Jul 2022 17:37

Tgt Ion:276 Resp: 62330
Ion Ratio Lower Upper
276 100
277 23.4 17.3 25.9
138 8.3 9.6 14.4#

