

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020323\
 Data File : BG056538.D
 Acq On : 3 Feb 2023 14:28
 Operator : CG/JU
 Sample : 01410-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-12013

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/06/2023
 Supervised By : Jagrut Upadhyay 02/06/2023

Quant Time: Feb 04 05:11:47 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 01 01:15:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.273	152	39659	20.000	ng	# 0.00
21) Naphthalene-d8	11.105	136	143348	20.000	ng	# 0.00
39) Acenaphthene-d10	14.888	164	104110	20.000	ng	0.00
64) Phenanthrene-d10	17.632	188	235947	20.000	ng	0.00
76) Chrysene-d12	21.921	240	236144	20.000	ng	0.00
86) Perylene-d12	25.347	264	258339	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.793	112	261061	121.093	ng	0.00
7) Phenol-d6	7.421	99	357579	111.943	ng	0.00
23) Nitrobenzene-d5	9.448	82	186011	73.685	ng	0.00
42) 2,4,6-Tribromophenol	16.375	330	140055	101.190	ng	0.00
45) 2-Fluorobiphenyl	13.520	172	529461	70.508	ng	0.00
79) Terphenyl-d14	20.212	244	858730	63.870	ng	0.00
Target Compounds						Qvalue
70) Pentachlorophenol	17.286	266	18959m	10.591	ng	
71) Phenanthrene	17.673	178	167141	13.535	ng	99
72) Anthracene	17.762	178	31581	2.491	ng	98
75) Fluoranthene	19.665	202	347515	22.297	ng	99
78) Pyrene	20.030	202	329867	19.641	ng	99
81) Benzo(a)anthracene	21.904	228	153687	9.309	ng	97
83) Chrysene	21.974	228	196746	12.685	ng	96
84) Bis(2-ethylhexyl)phtha...	21.763	149	61458	8.357	ng	# 97
87) Indeno(1,2,3-cd)pyrene	29.278	276	122189	6.461	ng	98
88) Benzo(b)fluoranthene	24.254	252	270386	16.862	ng	99
89) Benzo(k)fluoranthene	24.319	252	79746m	4.926	ng	
90) Benzo(a)pyrene	25.182	252	153168	9.697	ng	98
92) Benzo(g,h,i)perylene	30.523	276	119143	7.779	ng	# 97

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

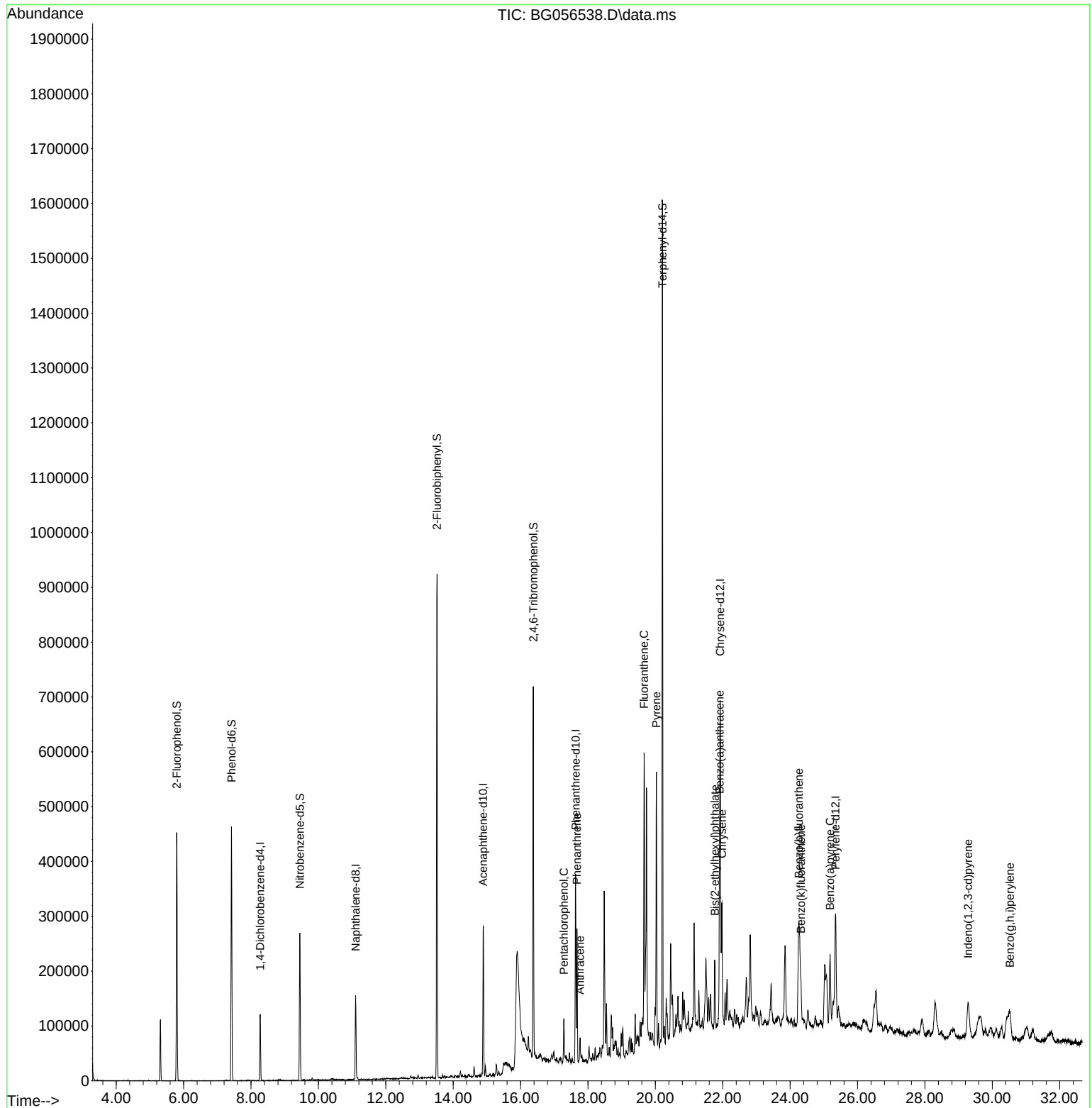
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020323\
Data File : BG056538.D
Acq On : 3 Feb 2023 14:28
Operator : CG/JU
Sample : 01410-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

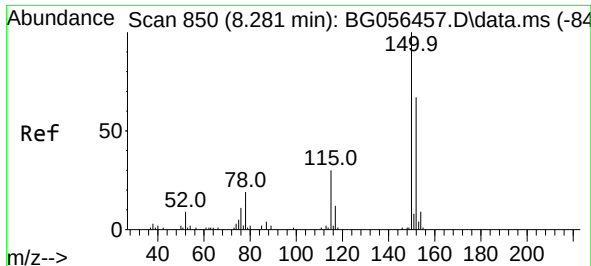
Instrument :
BNA_G
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72-12013

Quant Time: Feb 04 05:11:47 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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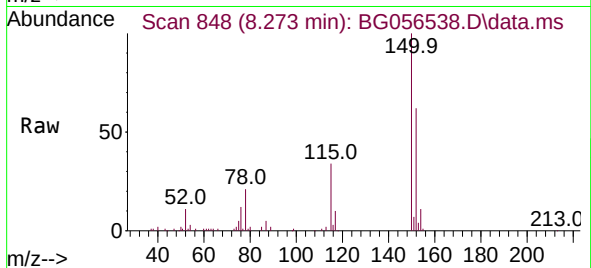
Reviewed By : Christian Giraldo 02/06/2023
Supervised By : Jagrut Upadhyay 02/06/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.273 min Scan# 84
Delta R.T. -0.002 min
Lab File: BG056538.D
Acq: 3 Feb 2023 14:28

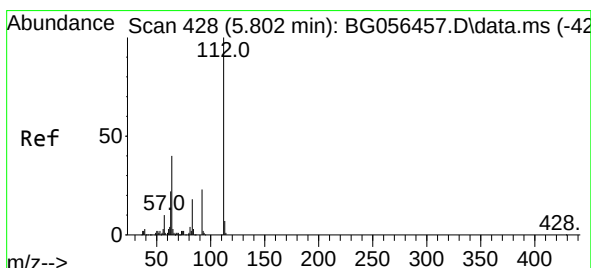
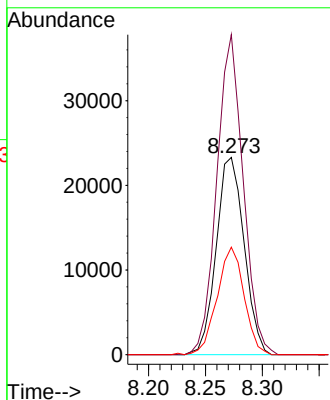
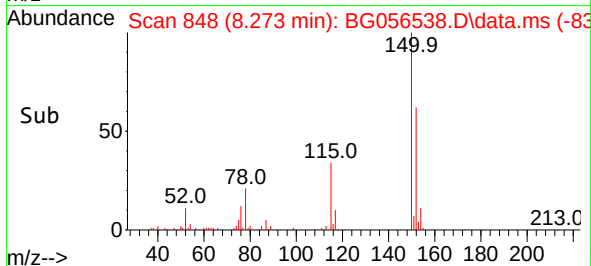
Instrument :
BNA_G
ClientSampleId :
72-12013



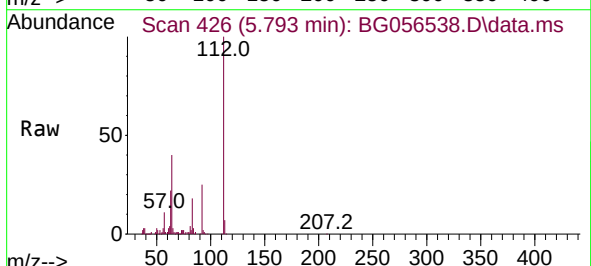
Tgt Ion:152 Resp: 39659
Ion Ratio Lower Upper
152 100
150 162.3 120.2 180.4
115 54.5 36.3 54.5

Manual Integrations
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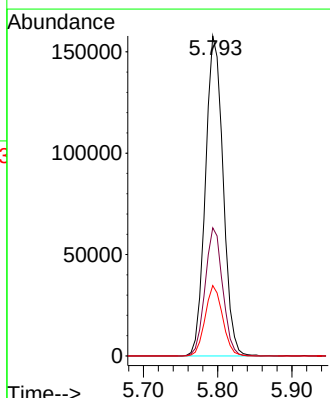
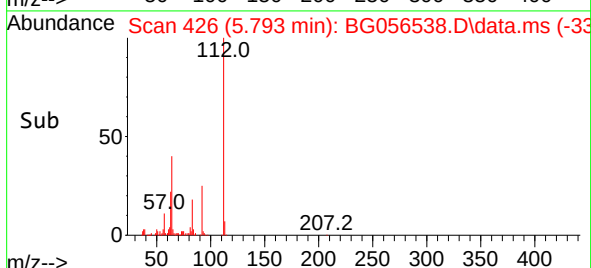
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023

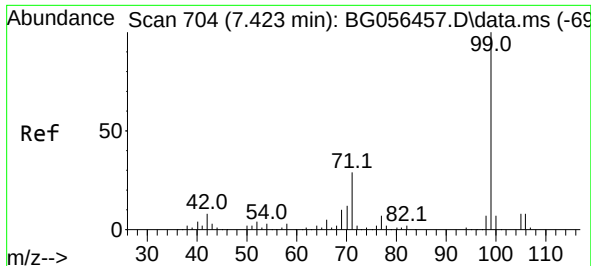


#5
2-Fluorophenol
Concen: 121.093 ng
RT: 5.793 min Scan# 426
Delta R.T. -0.003 min
Lab File: BG056538.D
Acq: 3 Feb 2023 14:28



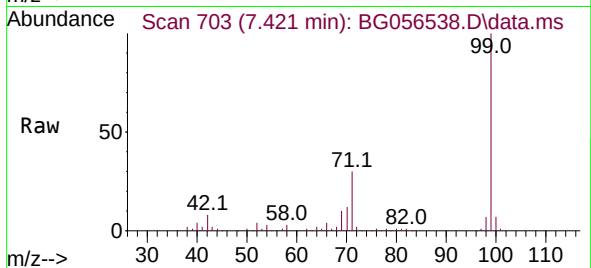
Tgt Ion:112 Resp: 261061
Ion Ratio Lower Upper
112 100
64 40.0 31.9 47.9
63 22.0 17.4 26.0





#7
Phenol-d6
Concen: 111.943 ng
RT: 7.421 min Scan# 704
Delta R.T. 0.003 min
Lab File: BG056538.D
Acq: 3 Feb 2023 14:28

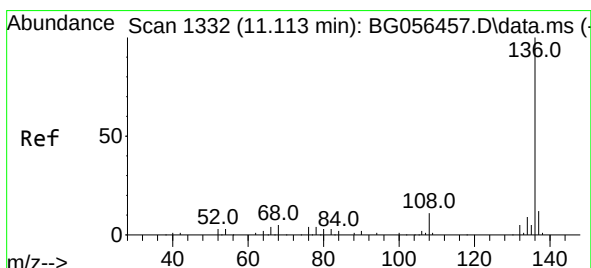
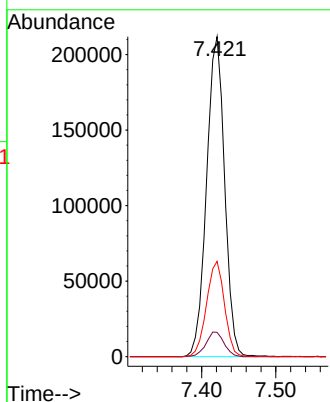
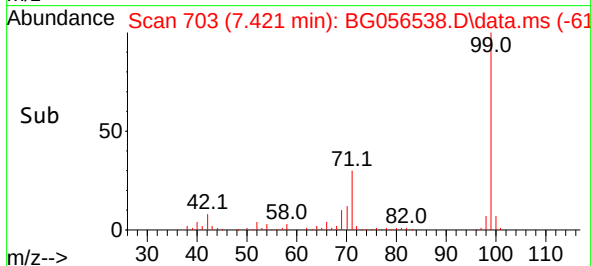
Instrument :
BNA_G
ClientSampleId :
72-12013



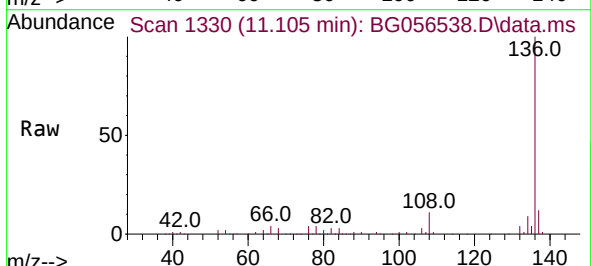
Tgt Ion: 99 Resp: 357579
Ion Ratio Lower Upper
99 100
42 7.6 6.6 10.0
71 29.8 23.4 35.0

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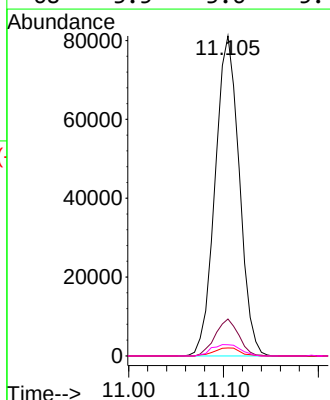
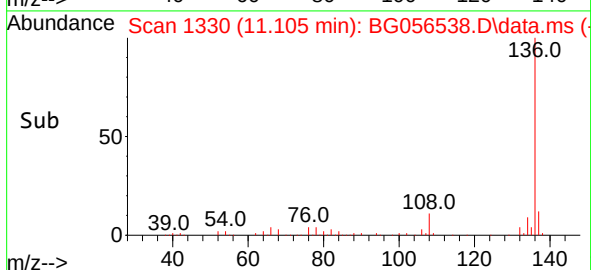
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023

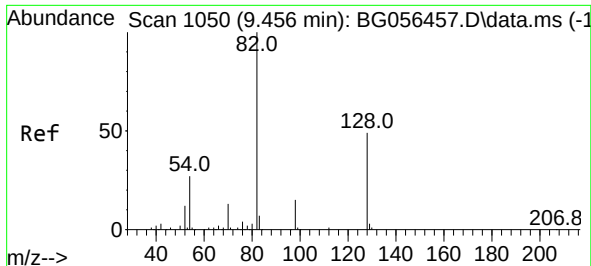


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.105 min Scan# 1330
Delta R.T. -0.003 min
Lab File: BG056538.D
Acq: 3 Feb 2023 14:28



Tgt Ion:136 Resp: 143348
Ion Ratio Lower Upper
136 100
137 11.5 9.4 14.0
54 2.5 2.2 3.4
68 3.5 3.6 5.4#





#23

Nitrobenzene-d5

Concen: 73.685 ng

RT: 9.448 min Scan# 1048

Delta R.T. -0.009 min

Lab File: BG056538.D

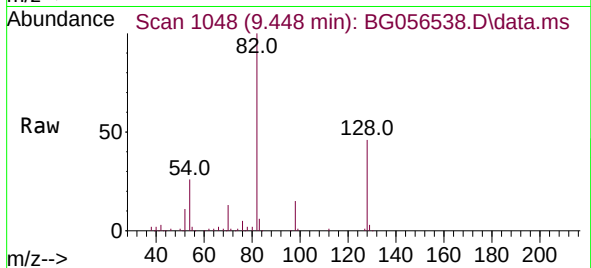
Acq: 3 Feb 2023 14:28

Instrument :

BNA_G

ClientSampleId :

72-12013



Tgt Ion: 82 Resp: 18601

Ion Ratio Lower Upper

82 100

128 46.2 39.4 59.2

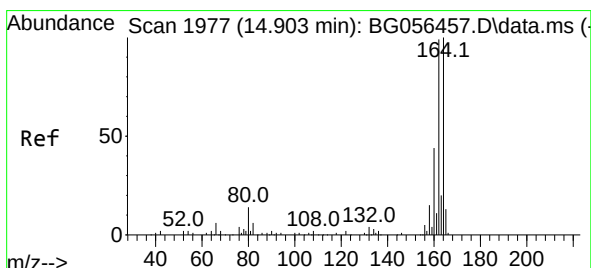
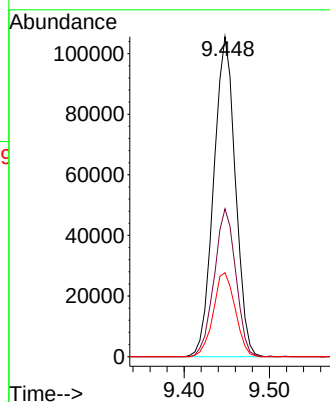
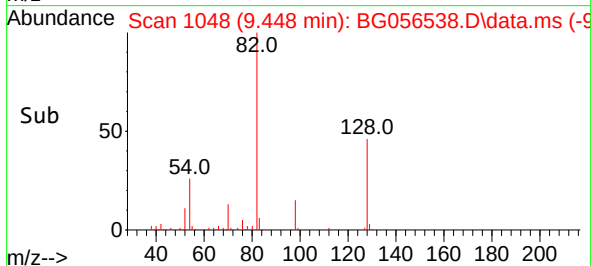
54 26.3 21.4 32.2

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.888 min Scan# 1974

Delta R.T. -0.009 min

Lab File: BG056538.D

Acq: 3 Feb 2023 14:28

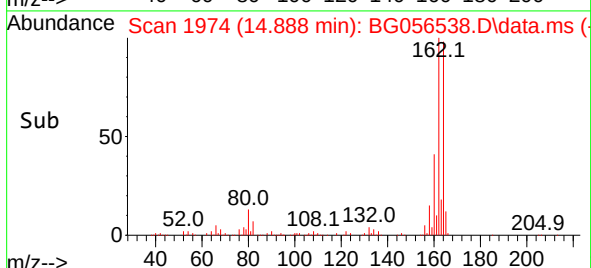
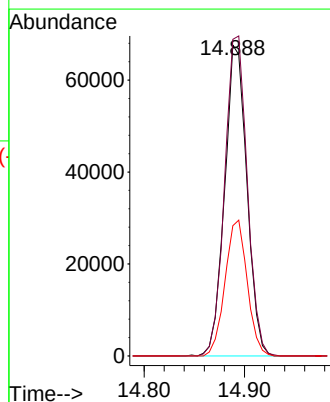
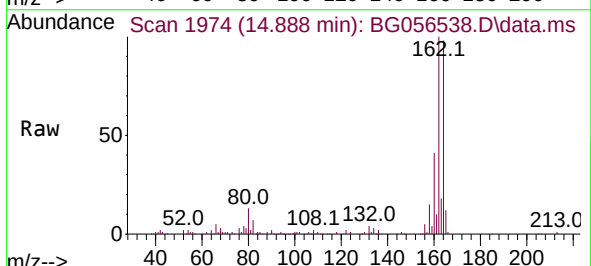
Tgt Ion:164 Resp: 104110

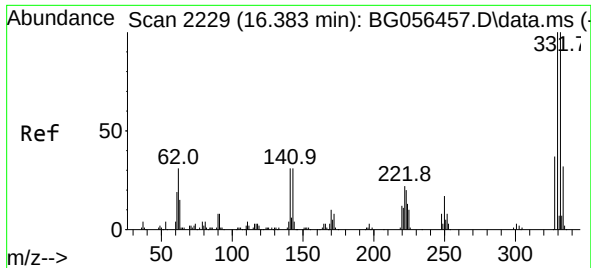
Ion Ratio Lower Upper

164 100

162 101.9 79.6 119.4

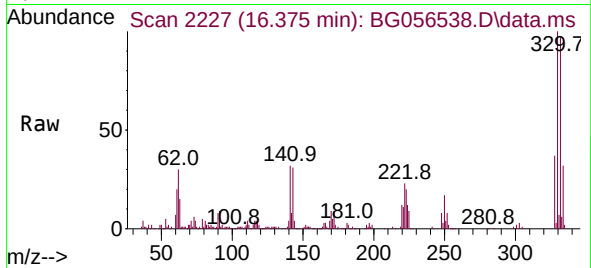
160 41.9 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 101.190 ng
RT: 16.375 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG056538.D
Acq: 3 Feb 2023 14:28

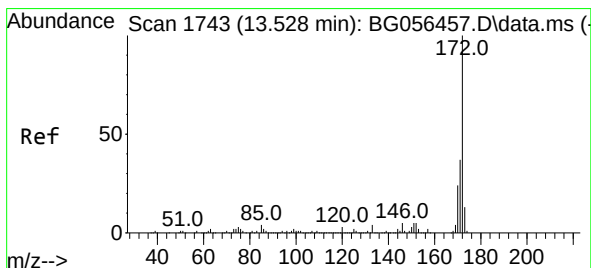
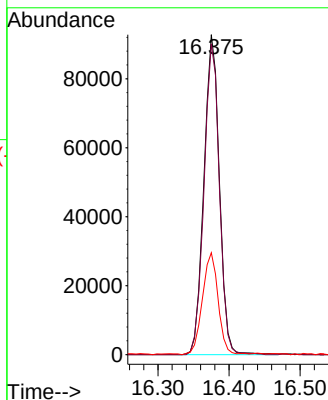
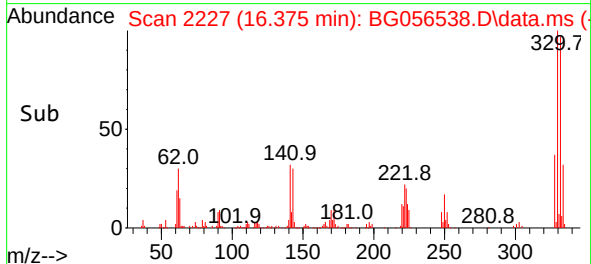
Instrument :
BNA_G
ClientSampleId :
72-12013



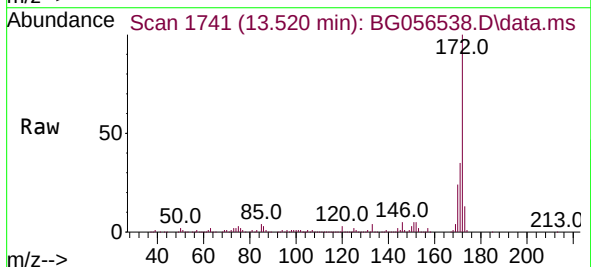
Tgt Ion:330 Resp: 140055
Ion Ratio Lower Upper
330 100
332 96.4 79.0 118.6
141 32.3 24.2 36.4

Manual Integrations
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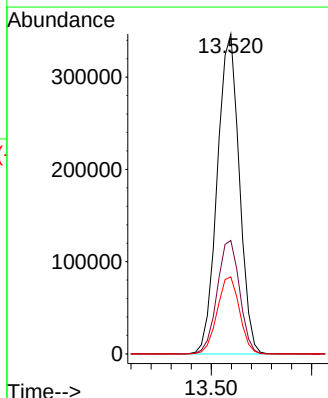
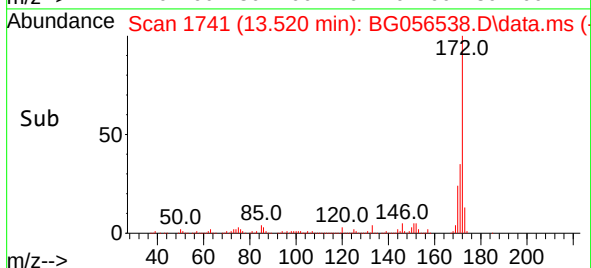
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023

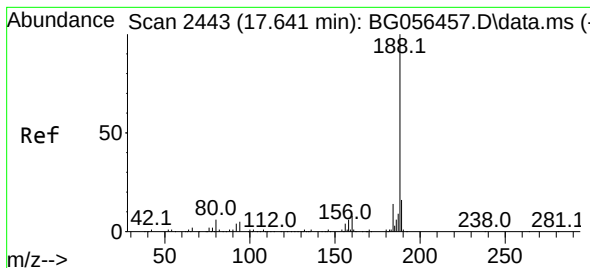


#45
2-Fluorobiphenyl
Concen: 70.508 ng
RT: 13.520 min Scan# 1741
Delta R.T. -0.003 min
Lab File: BG056538.D
Acq: 3 Feb 2023 14:28



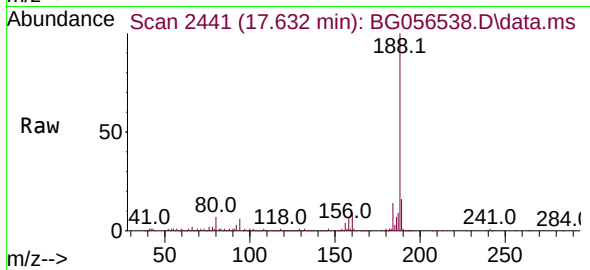
Tgt Ion:172 Resp: 529461
Ion Ratio Lower Upper
172 100
171 35.4 29.5 44.3
170 24.1 19.2 28.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.632 min Scan# 2443
Delta R.T. -0.003 min
Lab File: BG056538.D
Acq: 3 Feb 2023 14:28

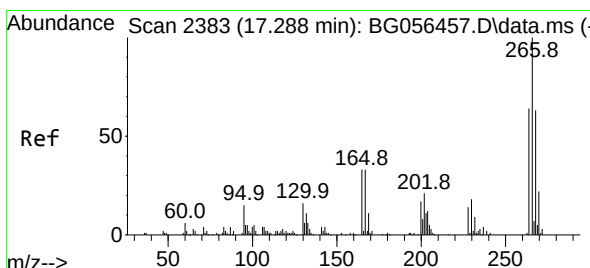
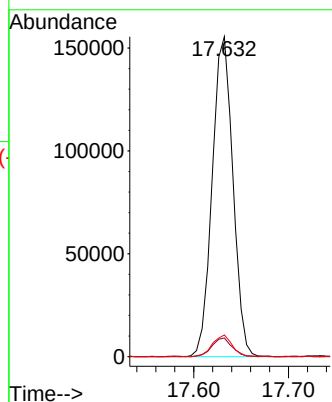
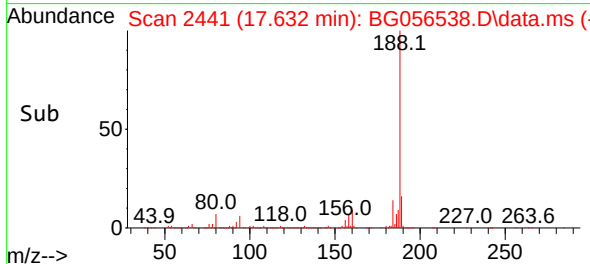
Instrument :
BNA_G
ClientSampleId :
72-12013



Tgt Ion:188 Resp: 23594
Ion Ratio Lower Upper
188 100
94 5.8 4.1 6.1
80 6.8 5.0 7.4

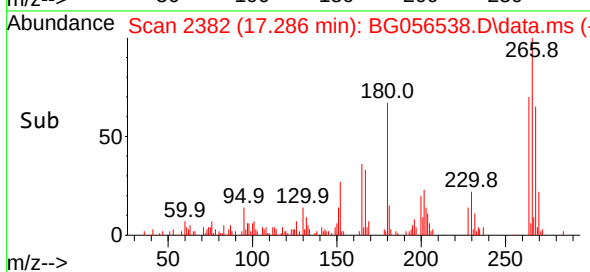
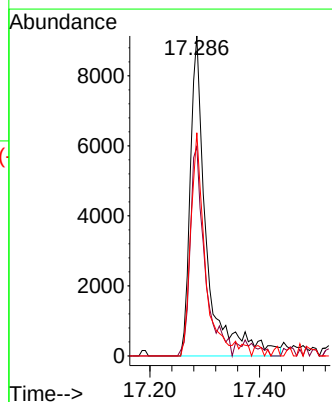
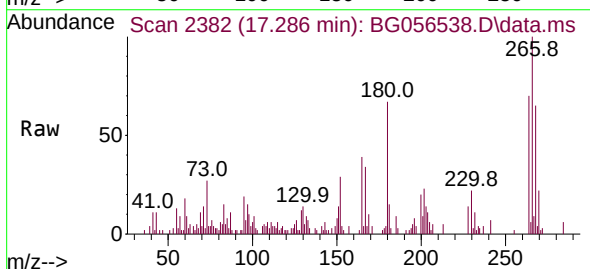
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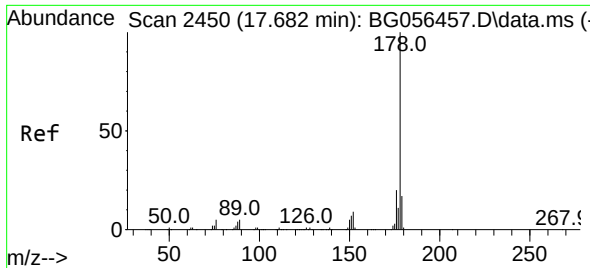
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023



#70
Pentachlorophenol
Concen: 10.591 ng m
RT: 17.286 min Scan# 2382
Delta R.T. 0.003 min
Lab File: BG056538.D
Acq: 3 Feb 2023 14:28

Tgt Ion:266 Resp: 18959
Ion Ratio Lower Upper
266 100
268 65.4 50.2 75.4
264 69.7 51.4 77.0





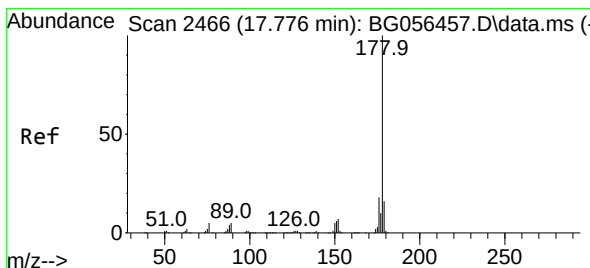
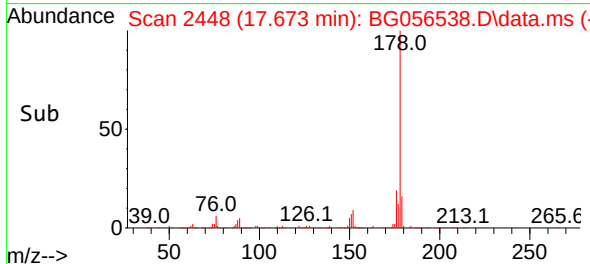
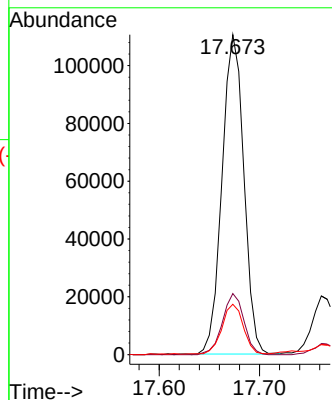
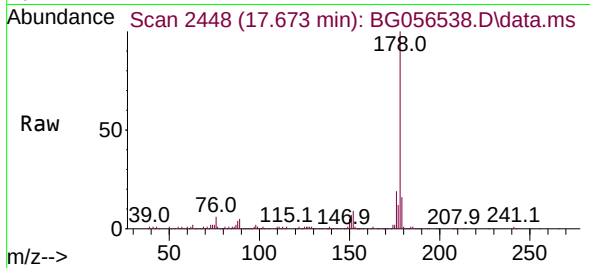
#71
Phenanthrene
Concen: 13.535 ng
RT: 17.673 min Scan# 2448
Delta R.T. -0.003 min
Lab File: BG056538.D
Acq: 3 Feb 2023 14:28

Instrument :
BNA_G
ClientSampleId :
72-12013

Tgt Ion:178 Resp: 16714
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 15.7 13.3 19.9

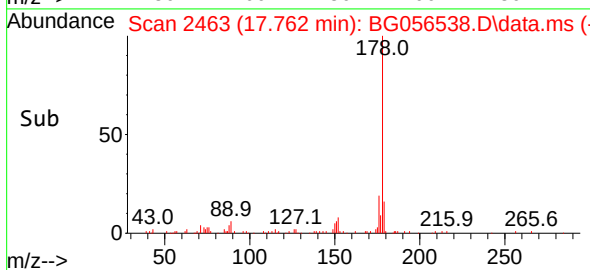
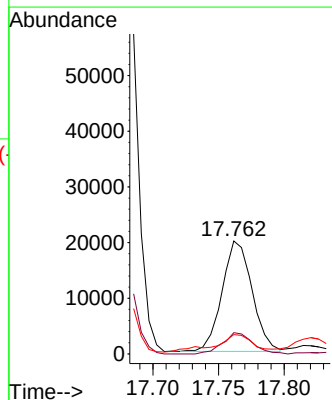
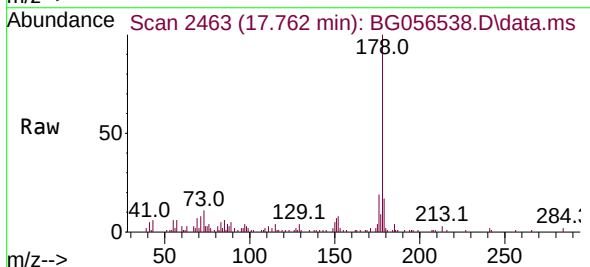
Manual Integrations
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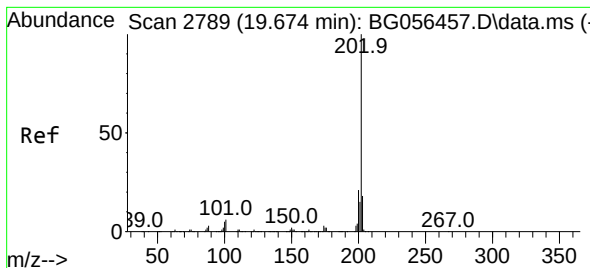
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023



#72
Anthracene
Concen: 2.491 ng
RT: 17.762 min Scan# 2463
Delta R.T. -0.009 min
Lab File: BG056538.D
Acq: 3 Feb 2023 14:28

Tgt Ion:178 Resp: 31581
Ion Ratio Lower Upper
178 100
176 18.8 14.5 21.7
179 17.0 12.5 18.7





#75

Fluoranthene

Concen: 22.297 ng

RT: 19.665 min Scan# 21

Delta R.T. -0.003 min

Lab File: BG056538.D

Acq: 3 Feb 2023 14:28

Instrument :

BNA_G

ClientSampleId :

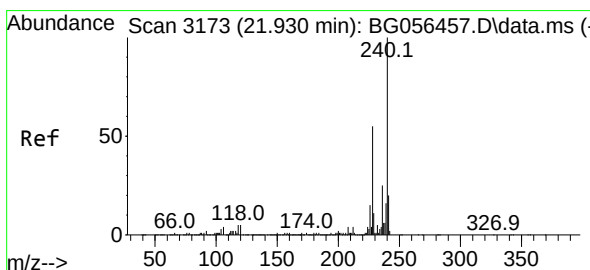
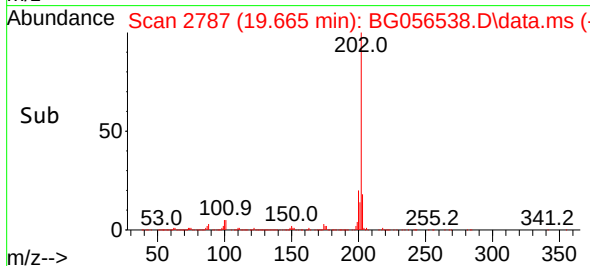
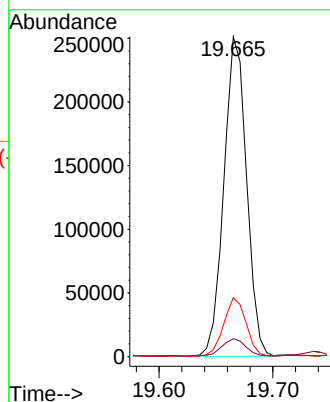
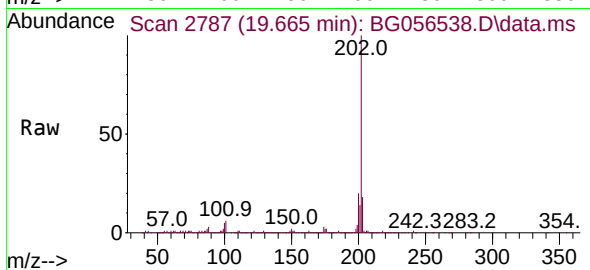
72-12013

Tgt Ion:202 Resp: 347515
 Ion Ratio Lower Upper
 202 100
 101 5.6 0.0 25.6
 203 18.4 0.0 38.1

Manual Integrations

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#76

Chrysene-d12

Concen: 20.000 ng

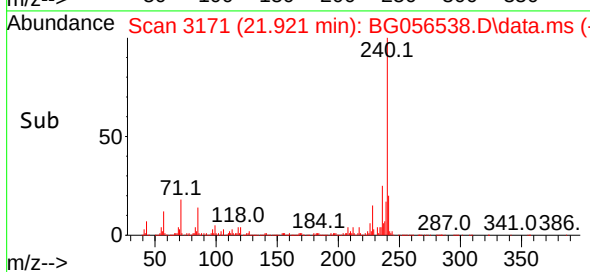
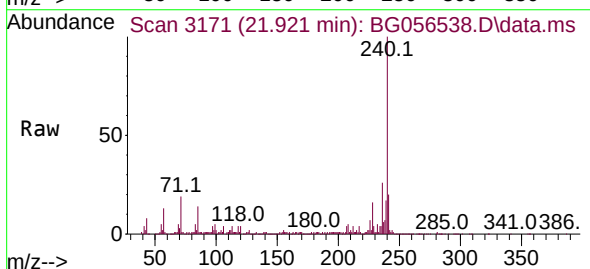
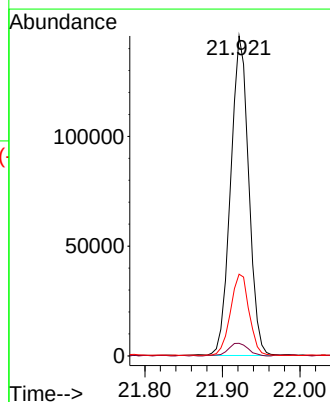
RT: 21.921 min Scan# 3171

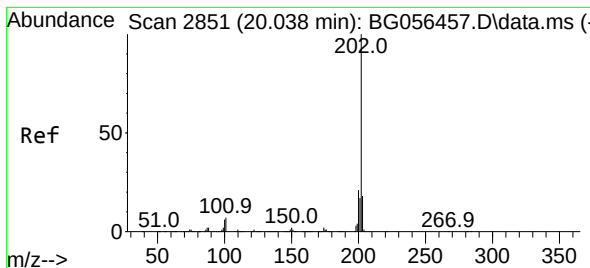
Delta R.T. -0.003 min

Lab File: BG056538.D

Acq: 3 Feb 2023 14:28

Tgt Ion:240 Resp: 236144
 Ion Ratio Lower Upper
 240 100
 120 3.9 3.8 5.8
 236 25.5 20.2 30.2





#78

Pyrene

Concen: 19.641 ng

RT: 20.030 min Scan# 2851

Delta R.T. -0.003 min

Lab File: BG056538.D

Acq: 3 Feb 2023 14:28

Instrument :

BNA_G

ClientSampleId :

72-12013

Tgt Ion:202 Resp: 32986

Ion Ratio Lower Upper

202 100

200 20.7 16.7 25.1

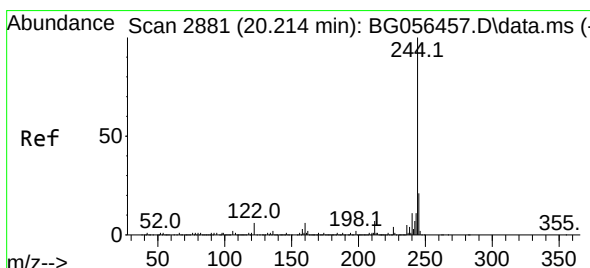
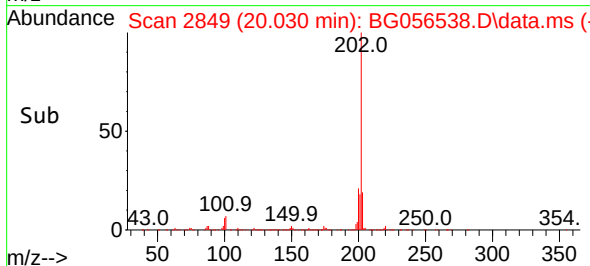
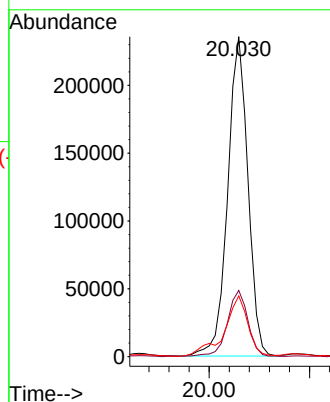
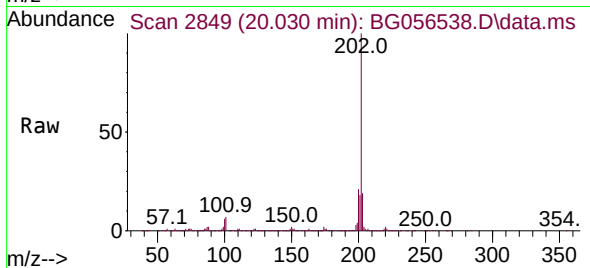
203 19.0 14.4 21.6

Manual Integrations

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Reviewed By :Christian Giraldo 02/06/2023

Supervised By :Jagrut Upadhyay 02/06/2023



#79

Terphenyl-d14

Concen: 63.870 ng

RT: 20.212 min Scan# 2880

Delta R.T. 0.003 min

Lab File: BG056538.D

Acq: 3 Feb 2023 14:28

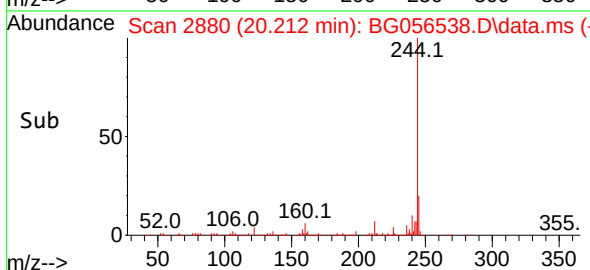
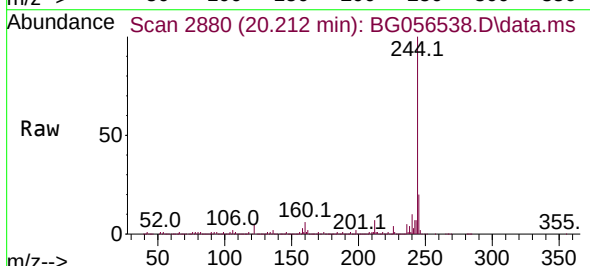
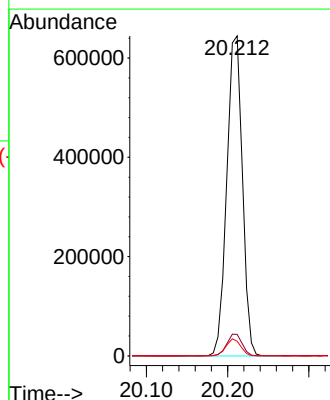
Tgt Ion:244 Resp: 858730

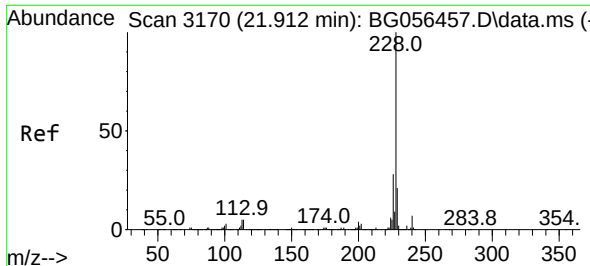
Ion Ratio Lower Upper

244 100

212 6.7 5.5 8.3

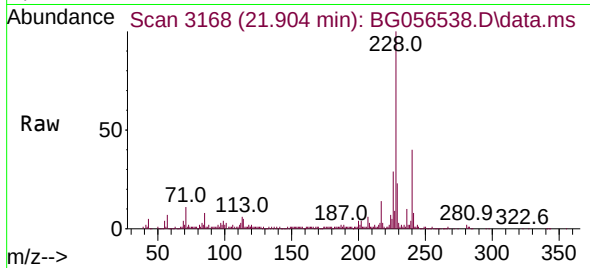
122 4.6 4.4 6.6





#81
Benzo(a)anthracene
Concen: 9.309 ng
RT: 21.904 min Scan# 3170
Delta R.T. 0.003 min
Lab File: BG056538.D
Acq: 3 Feb 2023 14:28

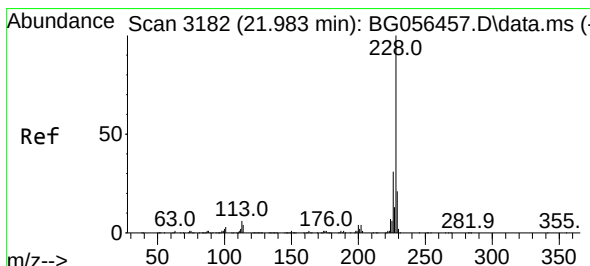
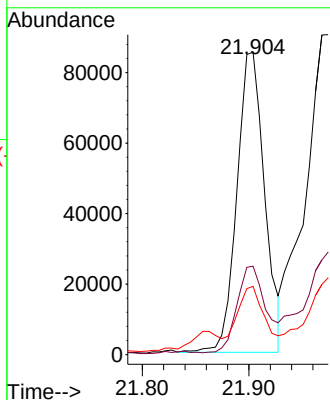
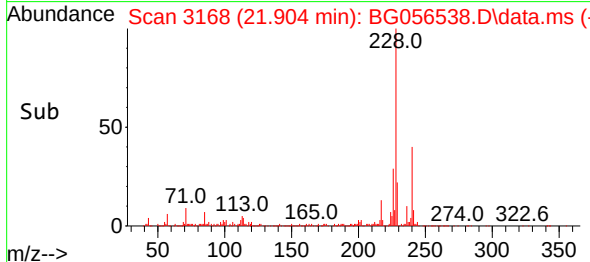
Instrument :
BNA_G
ClientSampleId :
72-12013



Tgt Ion:228 Resp: 153682
Ion Ratio Lower Upper
228 100
226 29.2 22.4 33.6
229 22.6 16.5 24.7

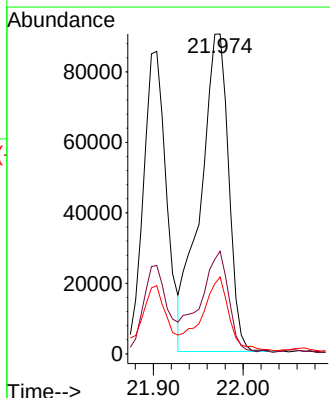
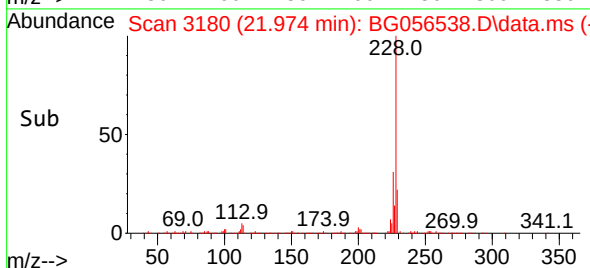
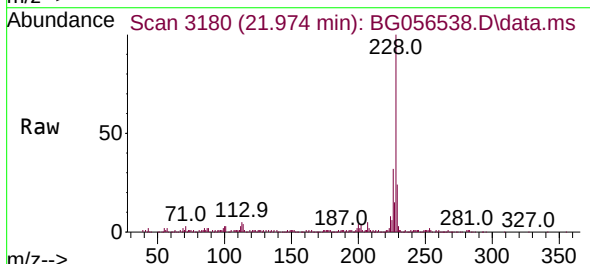
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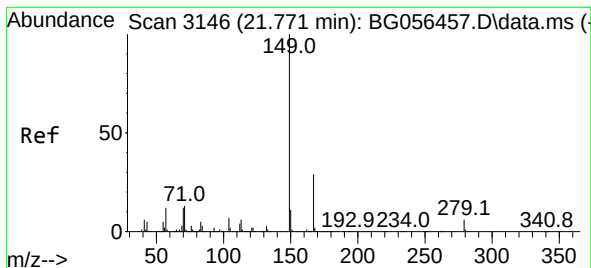
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023



#83
Chrysene
Concen: 12.685 ng
RT: 21.974 min Scan# 3180
Delta R.T. -0.003 min
Lab File: BG056538.D
Acq: 3 Feb 2023 14:28

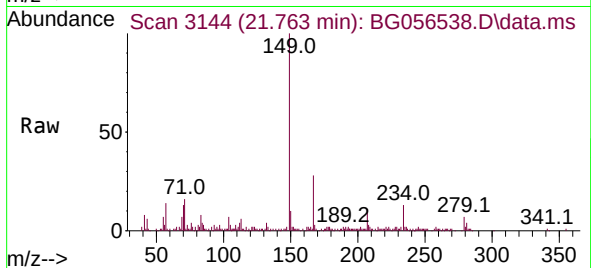
Tgt Ion:228 Resp: 196746
Ion Ratio Lower Upper
228 100
226 32.1 25.0 37.4
229 24.0 16.4 24.6





#84
Bis(2-ethylhexyl)phthalate
Concen: 8.357 ng
RT: 21.763 min Scan# 3145
Delta R.T. -0.003 min
Lab File: BG056538.D
Acq: 3 Feb 2023 14:28

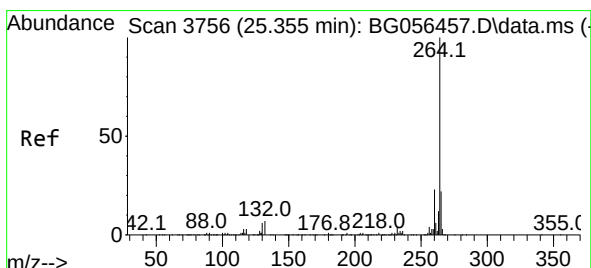
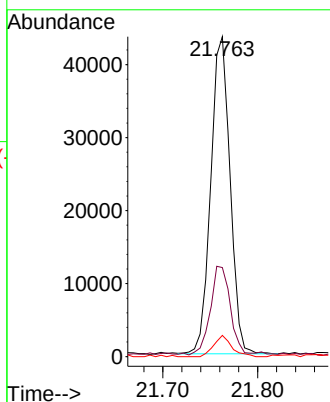
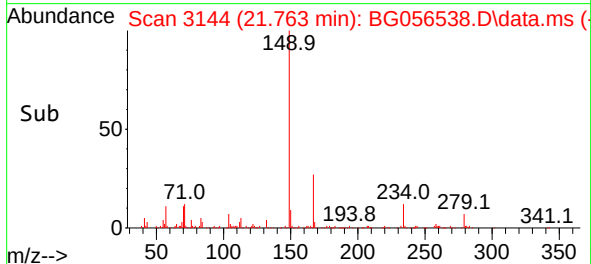
Instrument :
BNA_G
ClientSampleId :
72-12013



Tgt Ion:149 Resp: 61458
Ion Ratio Lower Upper
149 100
167 27.8 23.4 35.2
279 6.6 4.4 6.6

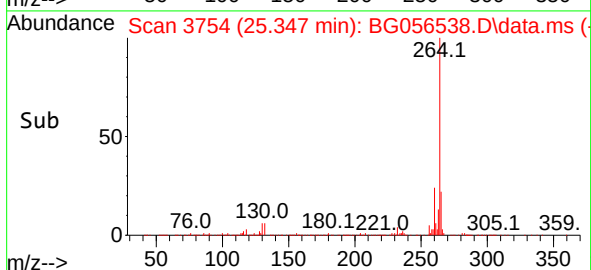
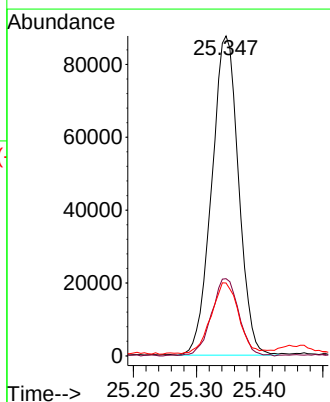
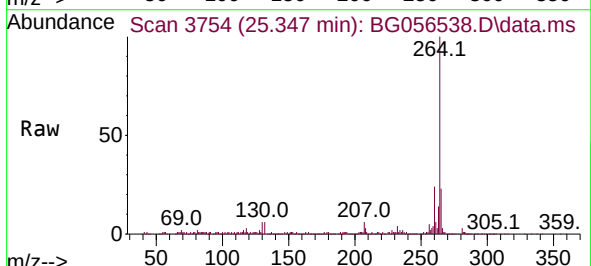
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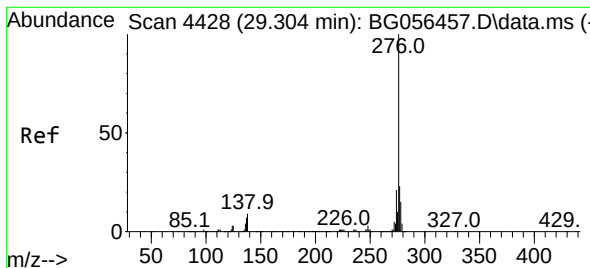
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.347 min Scan# 3754
Delta R.T. 0.003 min
Lab File: BG056538.D
Acq: 3 Feb 2023 14:28

Tgt Ion:264 Resp: 258339
Ion Ratio Lower Upper
264 100
260 24.1 18.2 27.4
265 22.8 18.1 27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.461 ng

RT: 29.278 min Scan# 4428

Delta R.T. -0.003 min

Lab File: BG056538.D

Acq: 3 Feb 2023 14:28

Instrument :

BNA_G

ClientSampleId :

72-12013

Tgt Ion:276 Resp: 122189

Ion Ratio Lower Upper

276 100

138 10.9 9.4 14.2

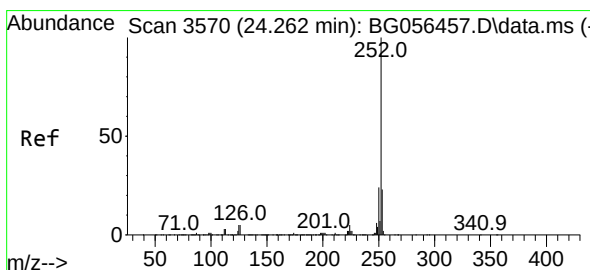
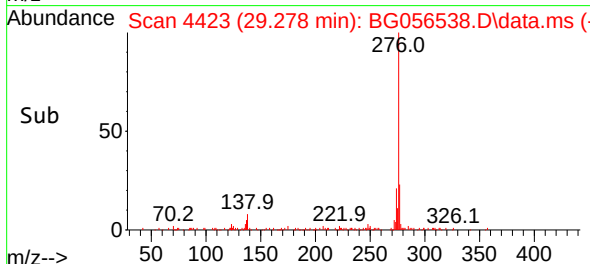
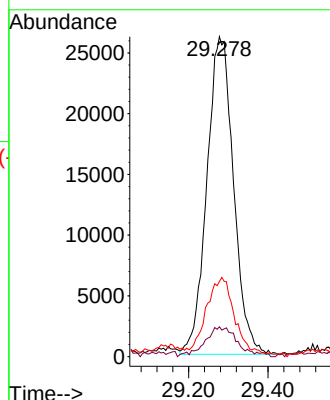
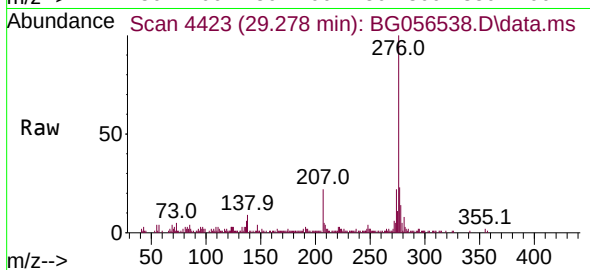
277 24.7 20.3 30.5

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Reviewed By :Christian Giraldo 02/06/2023

Supervised By :Jagrut Upadhyay 02/06/2023



#88

Benzo(b)fluoranthene

Concen: 16.862 ng

RT: 24.254 min Scan# 3568

Delta R.T. 0.003 min

Lab File: BG056538.D

Acq: 3 Feb 2023 14:28

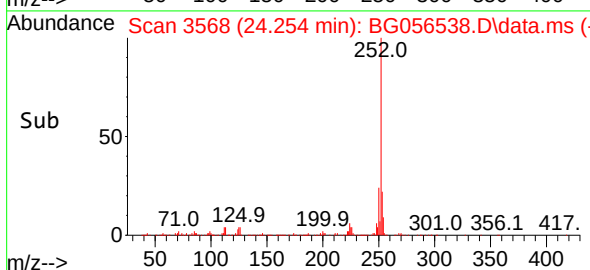
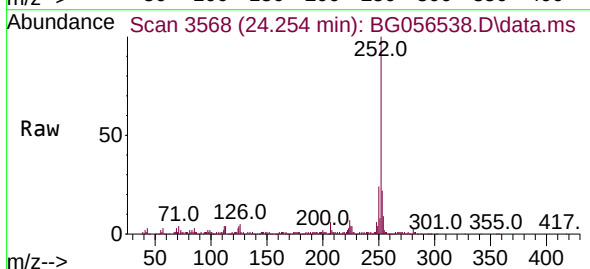
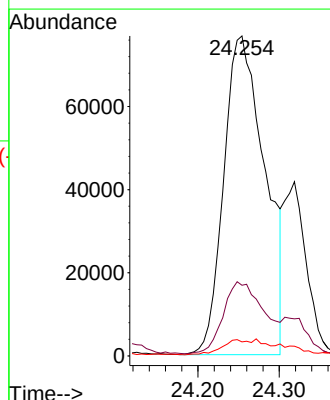
Tgt Ion:252 Resp: 270386

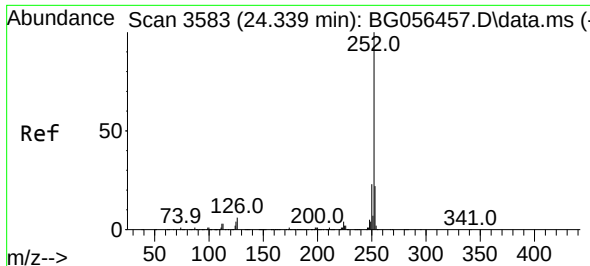
Ion Ratio Lower Upper

252 100

253 22.1 18.1 27.1

125 4.4 3.9 5.9





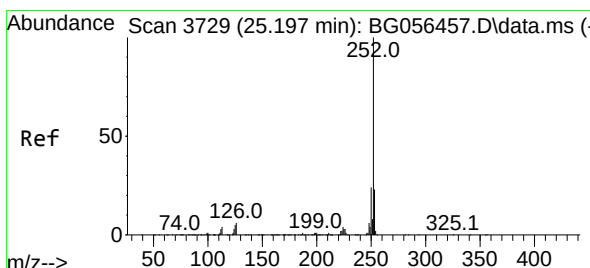
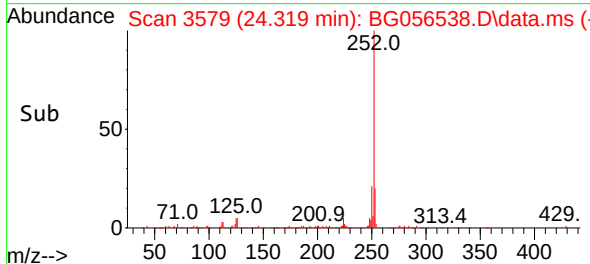
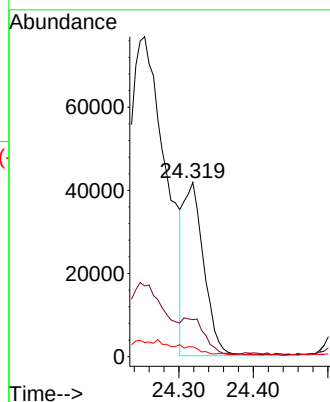
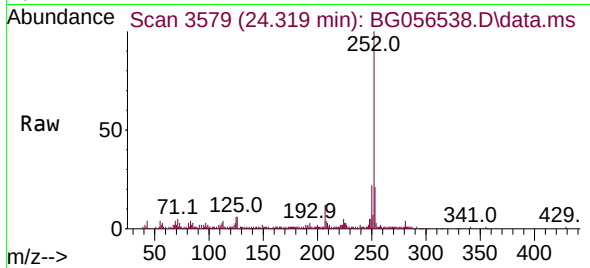
#89
Benzo(k)fluoranthene
Concen: 4.926 ng m
RT: 24.319 min Scan# 3583
Delta R.T. -0.003 min
Lab File: BG056538.D
Acq: 3 Feb 2023 14:28

Instrument :
BNA_G
ClientSampleId :
72-12013

Tgt Ion:252 Resp: 79746
Ion Ratio Lower Upper
252 100
253 21.2 17.5 26.3
125 5.6 3.4 5.0

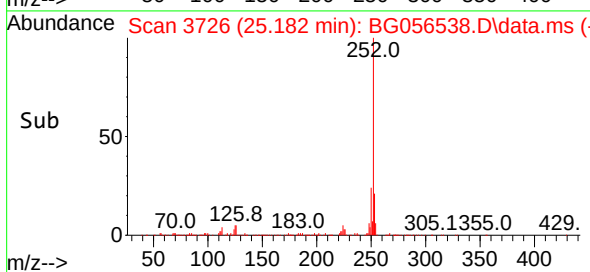
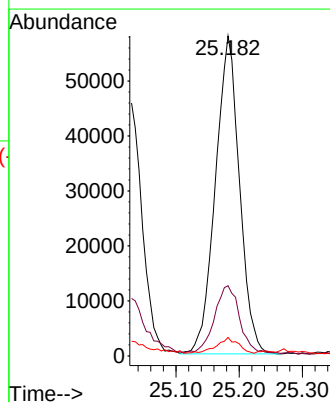
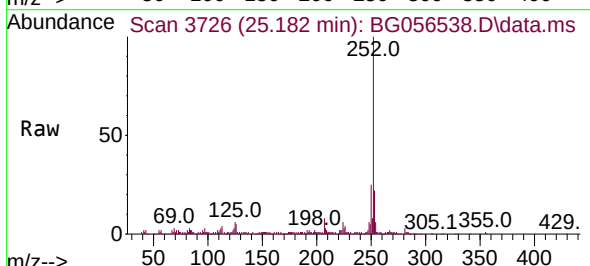
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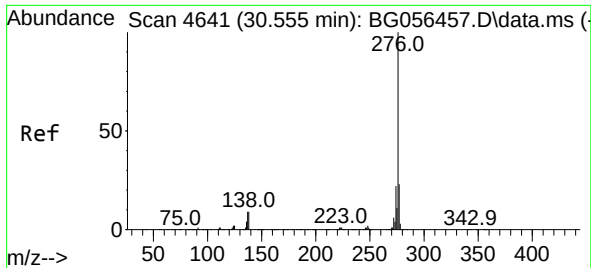
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023



#90
Benzo(a)pyrene
Concen: 9.697 ng
RT: 25.182 min Scan# 3726
Delta R.T. -0.003 min
Lab File: BG056538.D
Acq: 3 Feb 2023 14:28

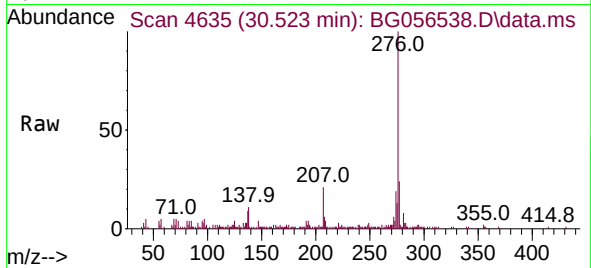
Tgt Ion:252 Resp: 153168
Ion Ratio Lower Upper
252 100
253 21.9 18.4 27.6
125 5.8 4.1 6.1





#92
 Benzo(g,h,i)perylene
 Concen: 7.779 ng
 RT: 30.523 min Scan# 4635
 Delta R.T. -0.003 min
 Lab File: BG056538.D
 Acq: 3 Feb 2023 14:28

Instrument :
 BNA_G
 ClientSampleId :
 72-12013



Tgt Ion: 276 Resp: 119143

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.5	27.7
138	11.0	7.4	11.0

Manual Integrations
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Reviewed By : Christian Giraldo 02/06/2023
 Supervised By : Jagrut Upadhyay 02/06/2023

