

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031022\
 Data File : BG052644.D
 Acq On : 10 Mar 2022 21:28
 Operator : CG/JU
 Sample : N1847-04DL 20X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CG-B3-030722-2-5DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/11/2022
 Supervised By : Jagrut Upadhyay 03/11/2022

Quant Time: Mar 11 03:46:26 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 10 06:37:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.175	152	42668	20.000	ng	0.00
21) Naphthalene-d8	11.012	136	175042	20.000	ng	0.00
39) Acenaphthene-d10	14.831	164	116891	20.000	ng	0.00
64) Phenanthrene-d10	17.580	188	235084	20.000	ng	0.00
76) Chrysene-d12	21.892	240	190070	20.000	ng	0.00
86) Perylene-d12	25.328	264	157535	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.708	112	8787	3.558	ng	0.00
7) Phenol-d6	7.335	99	13656	3.820	ng	0.01
23) Nitrobenzene-d5	9.356	82	8789	2.276	ng	0.01
42) 2,4,6-Tribromophenol	16.329	330	5677	3.424	ng	0.01
45) 2-Fluorobiphenyl	13.450	172	24809	2.865	ng	0.00
79) Terphenyl-d14	20.176	244	32816	3.055	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.895	154	14389	2.203	ng	92
71) Phenanthrene	17.627	178	289594	23.479	ng	98
72) Anthracene	17.715	178	87141	7.217	ng	99
75) Fluoranthene	19.636	202	683286	44.367	ng	99
78) Pyrene	19.994	202	627251	49.372	ng	99
81) Benzo(a)anthracene	21.874	228	369765	29.036	ng	99
83) Chrysene	21.945	228	315773	26.520	ng	97
87) Indeno(1,2,3-cd)pyrene	29.293	276	91850	8.136	ng	# 89
88) Benzo(b)fluoranthene	24.236	252	342370	35.200	ng	97
89) Benzo(k)fluoranthene	24.300	252	147665m	15.096	ng	
90) Benzo(a)pyrene	25.170	252	246608	29.966	ng	100
91) Dibenzo(a,h)anthracene	29.335	278	22500m	2.402	ng	
92) Benzo(g,h,i)perylene	30.533	276	82994m	9.077	ng	

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

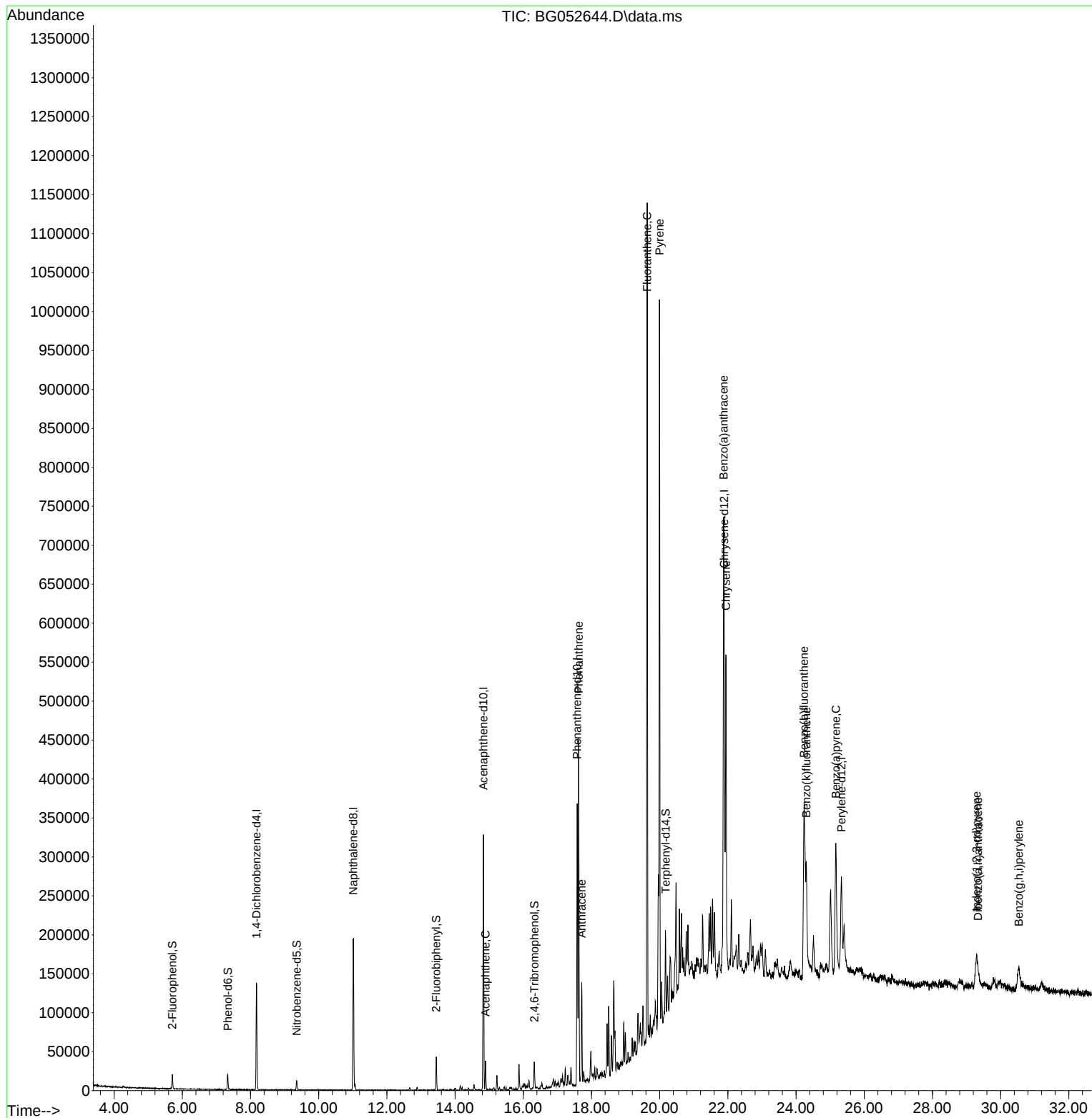
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031022\
Data File : BG052644.D
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ALS Vial : 18 Sample Multiplier: 1

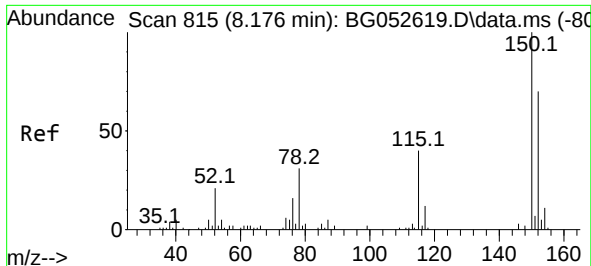
Instrument :
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Quant Time: Mar 11 03:46:26 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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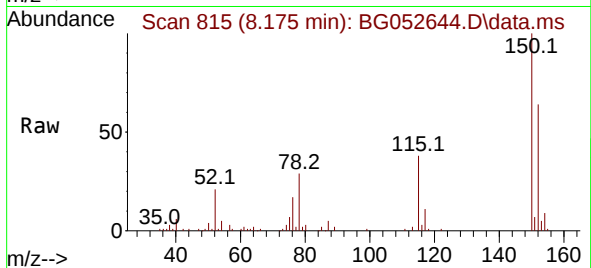
Reviewed By : Christian Giraldo 03/11/2022
Supervised By : Jagrut Upadhyay 03/11/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.175 min Scan# 815
Delta R.T. -0.001 min
Lab File: BG052644.D
Acq: 10 Mar 2022 21:28

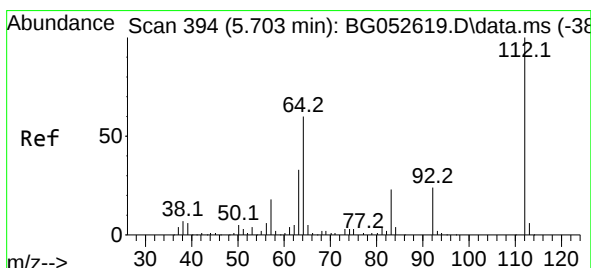
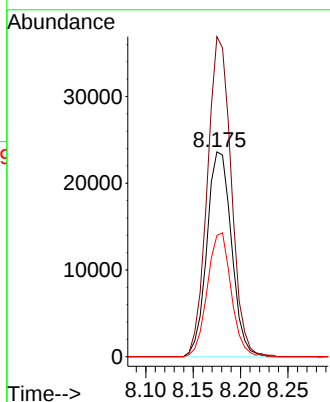
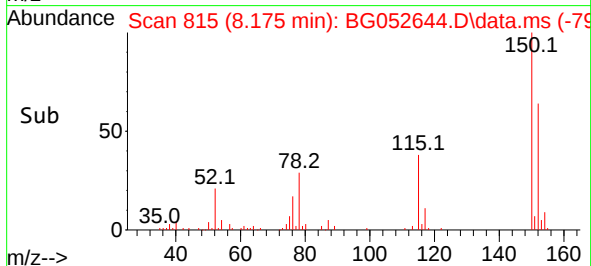
Instrument :
BNA_G
ClientSampleId :
CG-B3-030722-2-5DL



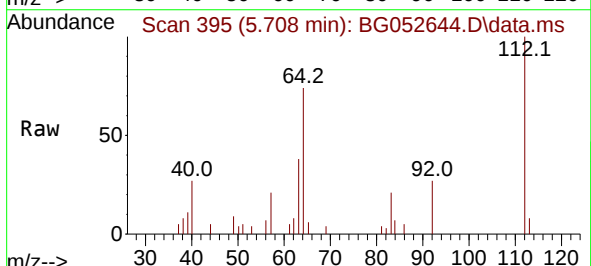
Tgt Ion:152 Resp: 42668
Ion Ratio Lower Upper
152 100
150 156.2 114.6 172.0
115 59.2 45.9 68.9

Manual Integrations
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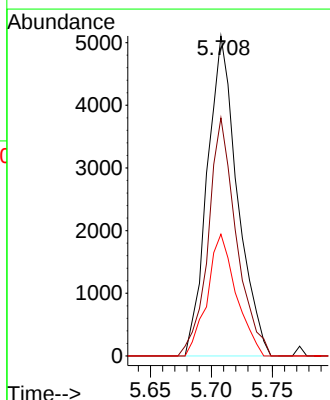
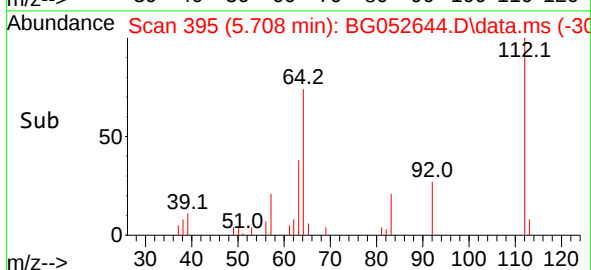
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022

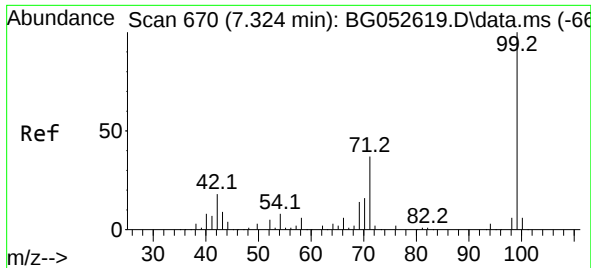


#5
2-Fluorophenol
Concen: 3.558 ng
RT: 5.708 min Scan# 395
Delta R.T. 0.005 min
Lab File: BG052644.D
Acq: 10 Mar 2022 21:28



Tgt Ion:112 Resp: 8787
Ion Ratio Lower Upper
112 100
64 74.4 48.0 72.0#
63 38.1 26.5 39.7





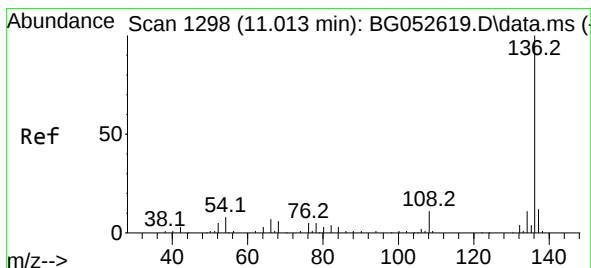
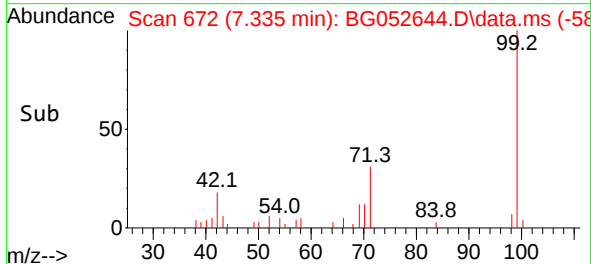
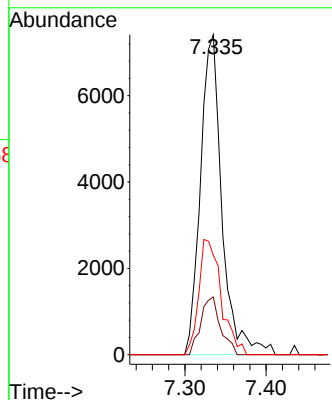
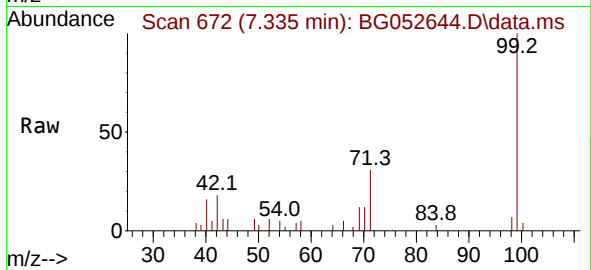
#7
Phenol-d6
Concen: 3.820 ng
RT: 7.335 min Scan# 61
Delta R.T. 0.011 min
Lab File: BG052644.D
Acq: 10 Mar 2022 21:28

Instrument :
BNA_G
ClientSampleId :
CG-B3-030722-2-5DL

Tgt Ion: 99 Resp: 1365
Ion Ratio Lower Upper
99 100
42 18.1 14.7 22.1
71 31.0 29.2 43.8

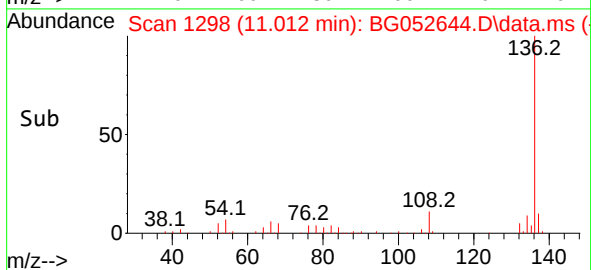
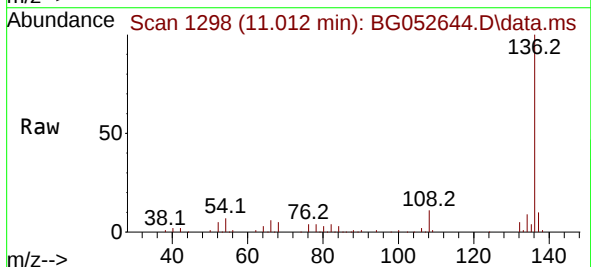
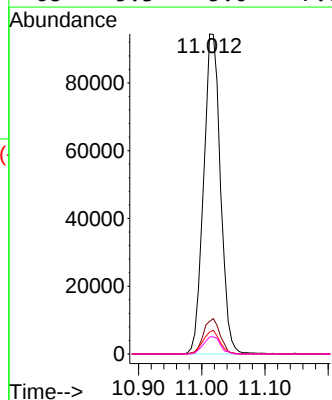
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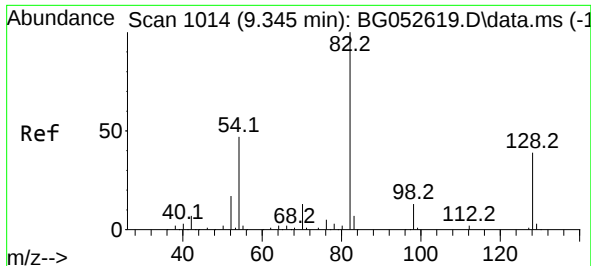
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.012 min Scan# 1298
Delta R.T. -0.001 min
Lab File: BG052644.D
Acq: 10 Mar 2022 21:28

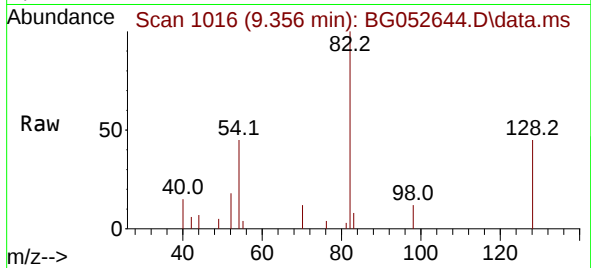
Tgt Ion:136 Resp: 175042
Ion Ratio Lower Upper
136 100
137 10.2 9.4 14.2
54 6.8 6.4 9.6
68 5.3 5.0 7.6





#23
Nitrobenzene-d5
Concen: 2.276 ng
RT: 9.356 min Scan# 1016
Delta R.T. 0.011 min
Lab File: BG052644.D
Acq: 10 Mar 2022 21:28

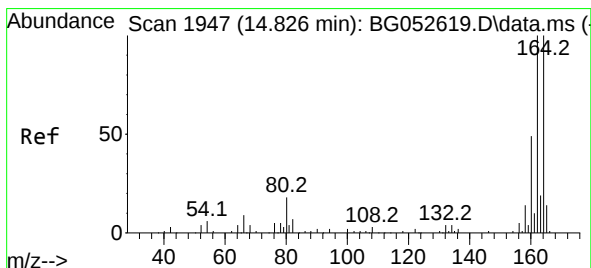
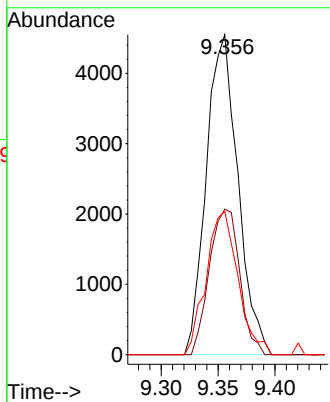
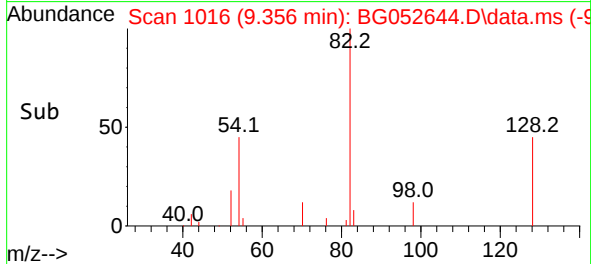
Instrument :
BNA_G
ClientSampleId :
CG-B3-030722-2-5DL



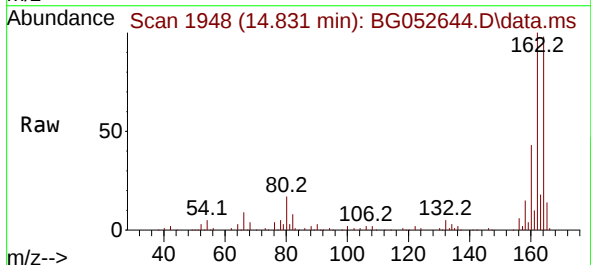
Tgt Ion: 82 Resp: 8789
Ion Ratio Lower Upper
82 100
128 45.5 31.3 46.9
54 44.8 37.8 56.8

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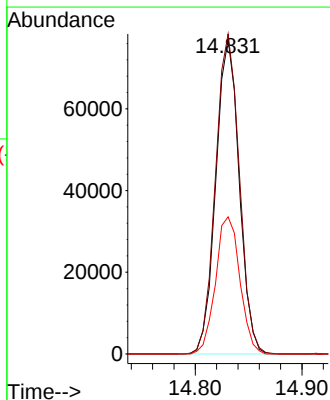
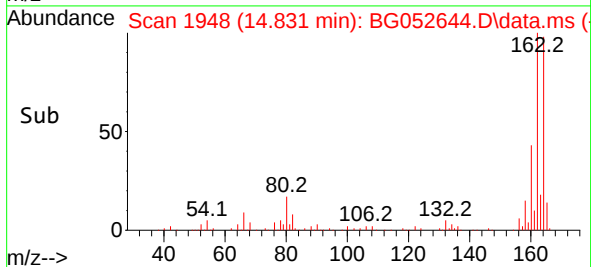
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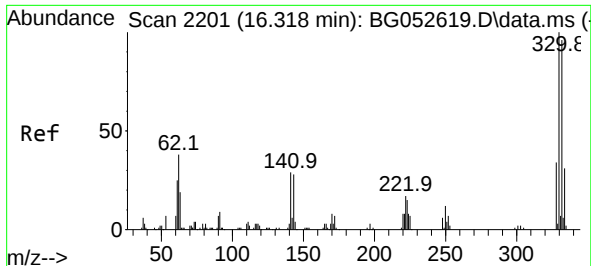


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.831 min Scan# 1948
Delta R.T. 0.005 min
Lab File: BG052644.D
Acq: 10 Mar 2022 21:28



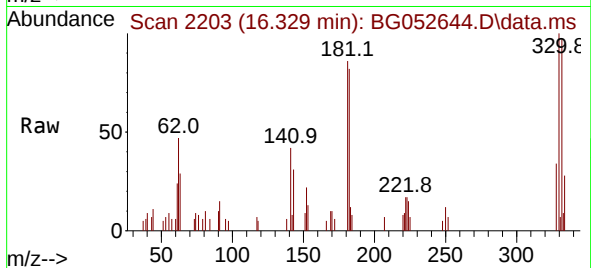
Tgt Ion:164 Resp: 116891
Ion Ratio Lower Upper
164 100
162 101.7 80.0 120.0
160 43.6 38.8 58.2





#42
2,4,6-Tribromophenol
Concen: 3.424 ng
RT: 16.329 min Scan# 21
Delta R.T. 0.011 min
Lab File: BG052644.D
Acq: 10 Mar 2022 21:28

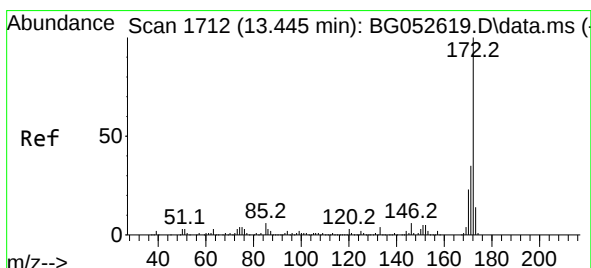
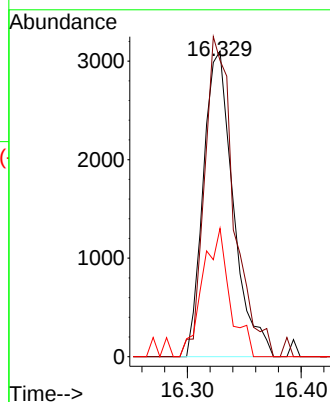
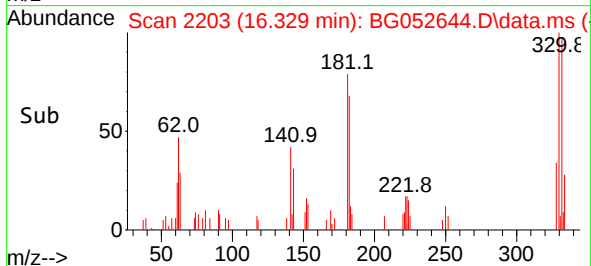
Instrument :
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ClientSampleId :
CG-B3-030722-2-5DL



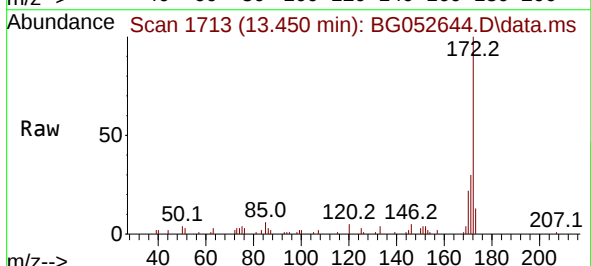
Tgt Ion:330 Resp: 567
Ion Ratio Lower Upper
330 100
332 103.0 75.8 113.6
141 38.1 24.6 36.8

Manual Integrations
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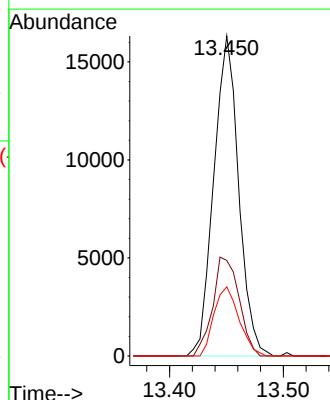
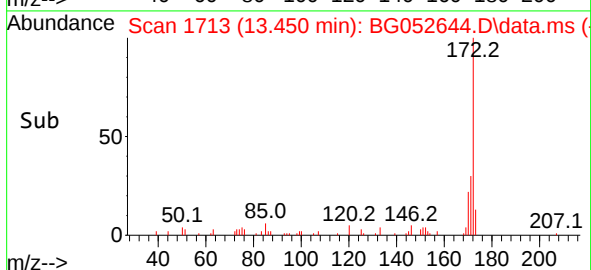
Reviewed By :Christian Giraldo 03/11/2022
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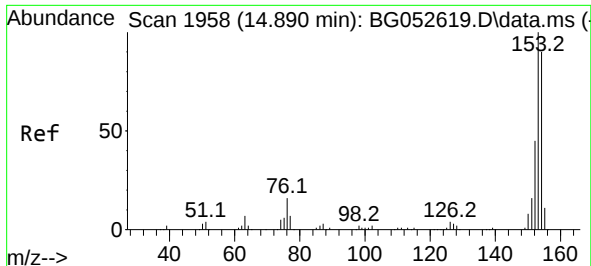


#45
2-Fluorobiphenyl
Concen: 2.865 ng
RT: 13.450 min Scan# 1713
Delta R.T. 0.005 min
Lab File: BG052644.D
Acq: 10 Mar 2022 21:28



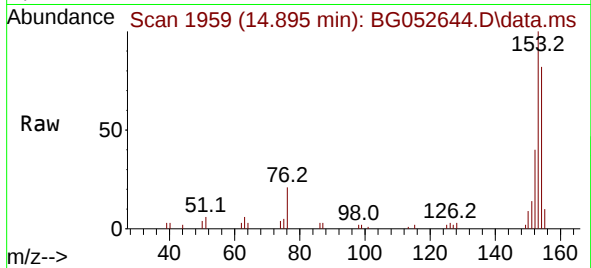
Tgt Ion:172 Resp: 24809
Ion Ratio Lower Upper
172 100
171 29.9 28.3 42.5
170 21.6 18.0 27.0





#52
Acenaphthene
Concen: 2.203 ng
RT: 14.895 min Scan# 1958
Delta R.T. 0.005 min
Lab File: BG052644.D
Acq: 10 Mar 2022 21:28

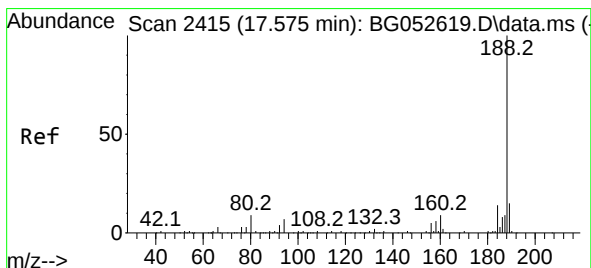
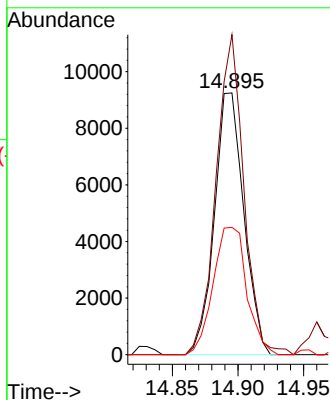
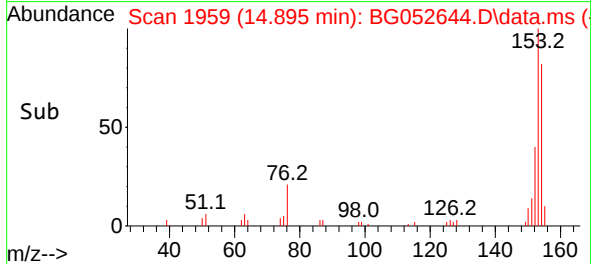
Instrument :
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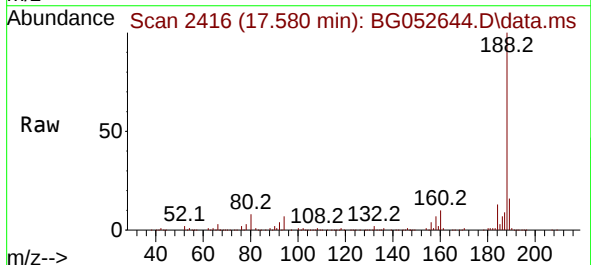
Tgt Ion:154 Resp: 14389
Ion Ratio Lower Upper
154 100
153 122.3 89.0 133.4
152 48.7 40.5 60.7

Manual Integrations
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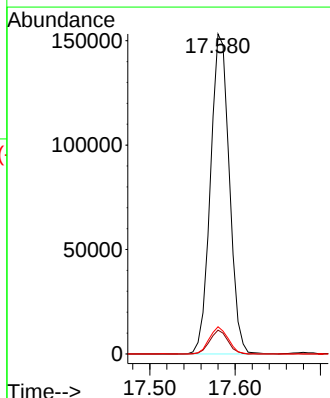
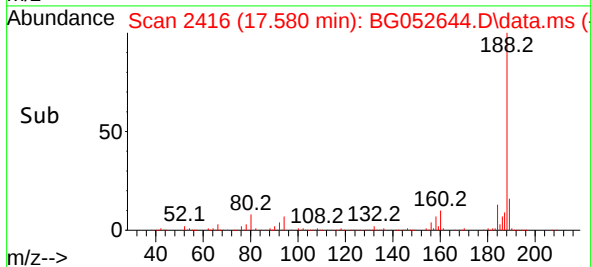
Reviewed By :Christian Giraldo 03/11/2022
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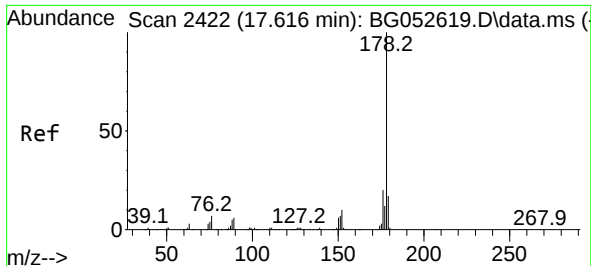


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.580 min Scan# 2416
Delta R.T. 0.005 min
Lab File: BG052644.D
Acq: 10 Mar 2022 21:28



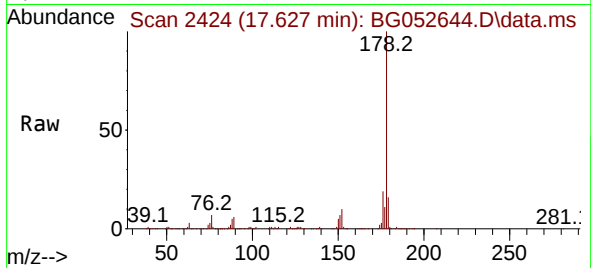
Tgt Ion:188 Resp: 235084
Ion Ratio Lower Upper
188 100
94 7.5 5.7 8.5
80 8.5 7.2 10.8





#71
Phenanthrene
Concen: 23.479 ng
RT: 17.627 min Scan# 2422
Delta R.T. 0.011 min
Lab File: BG052644.D
Acq: 10 Mar 2022 21:28

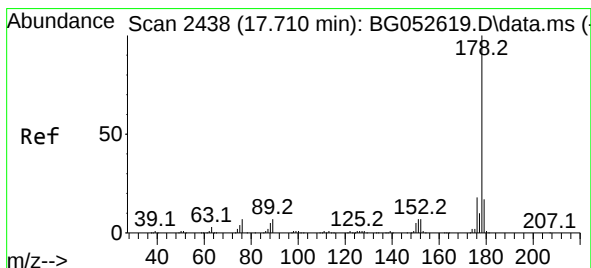
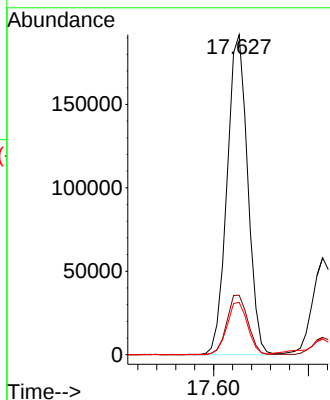
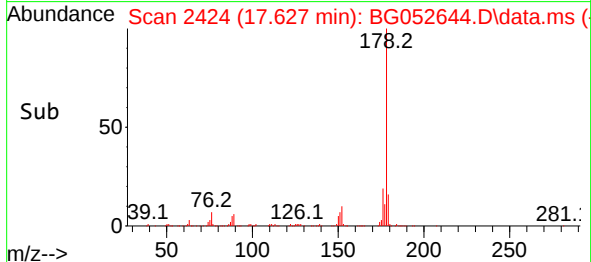
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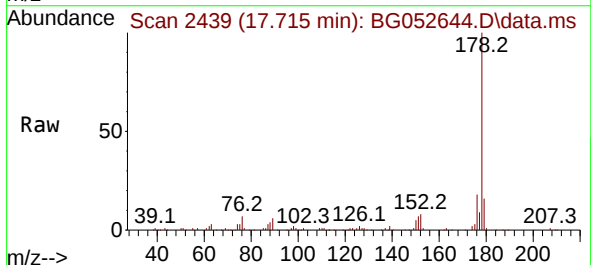
Tgt Ion:178 Resp: 289594
Ion Ratio Lower Upper
178 100
176 18.6 15.9 23.9
179 16.4 13.4 20.2

Manual Integrations
APPROVED

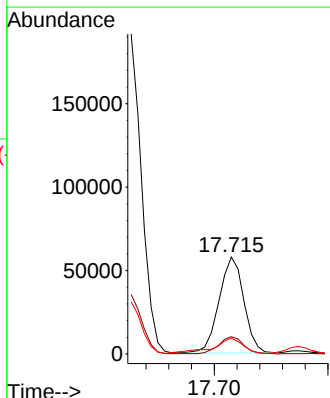
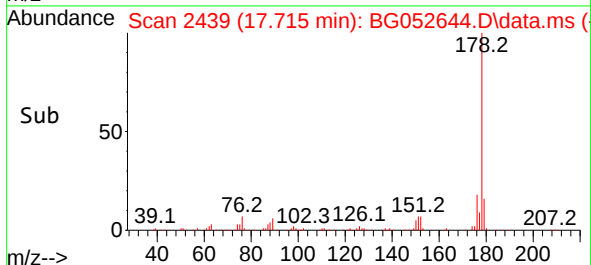
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022

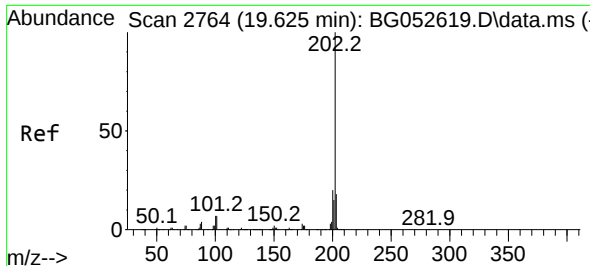


#72
Anthracene
Concen: 7.217 ng
RT: 17.715 min Scan# 2439
Delta R.T. 0.005 min
Lab File: BG052644.D
Acq: 10 Mar 2022 21:28



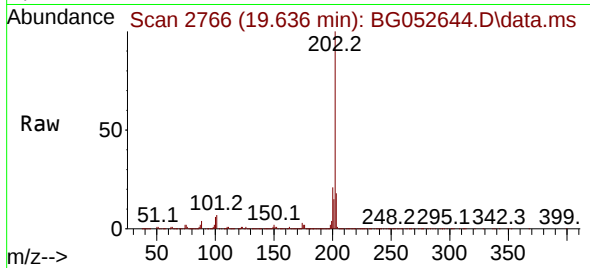
Tgt Ion:178 Resp: 87141
Ion Ratio Lower Upper
178 100
176 17.8 14.7 22.1
179 16.4 13.2 19.8





#75
Fluoranthene
Concen: 44.367 ng
RT: 19.636 min Scan# 21
Delta R.T. 0.011 min
Lab File: BG052644.D
Acq: 10 Mar 2022 21:28

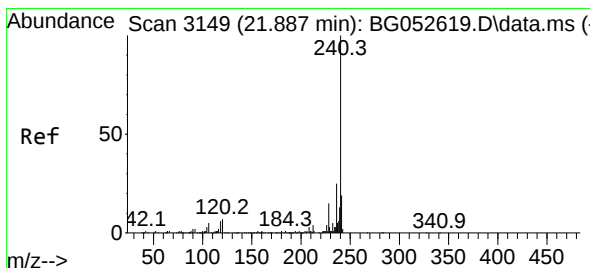
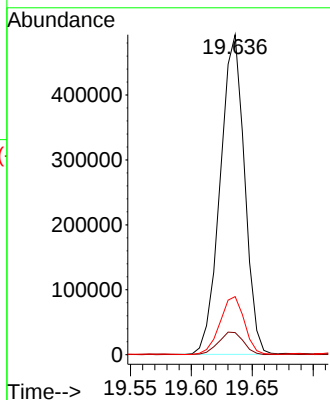
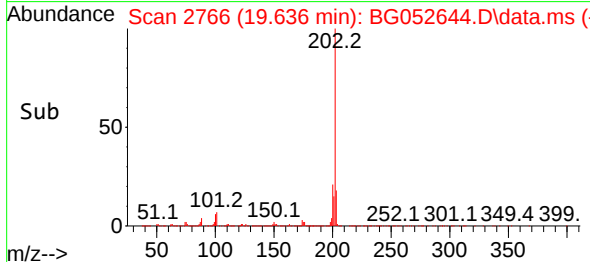
Instrument :
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CG-B3-030722-2-5DL



Tgt Ion:202 Resp: 683280
Ion Ratio Lower Upper
202 100
101 6.9 0.0 27.3
203 18.2 0.0 37.7

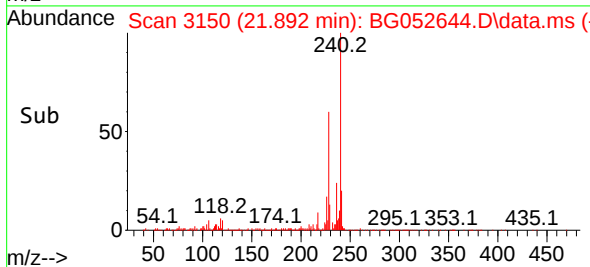
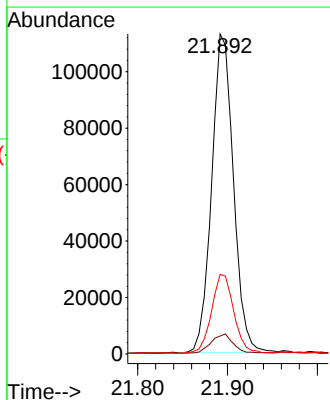
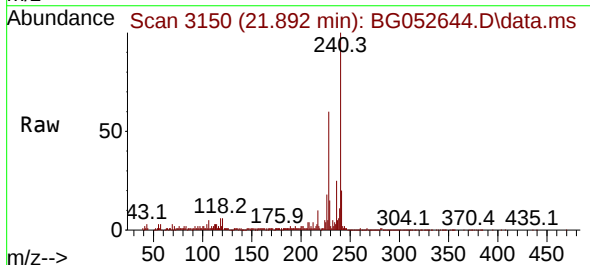
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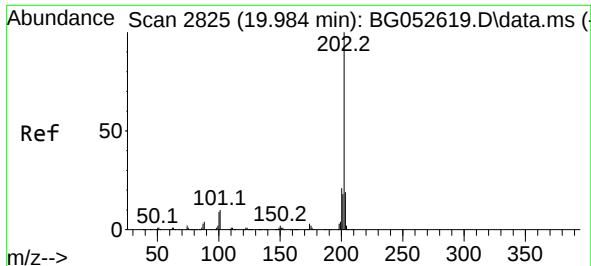
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.892 min Scan# 3150
Delta R.T. 0.005 min
Lab File: BG052644.D
Acq: 10 Mar 2022 21:28

Tgt Ion:240 Resp: 190070
Ion Ratio Lower Upper
240 100
120 5.6 5.4 8.0
236 24.8 19.8 29.6





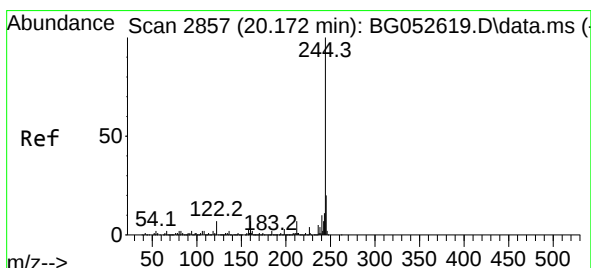
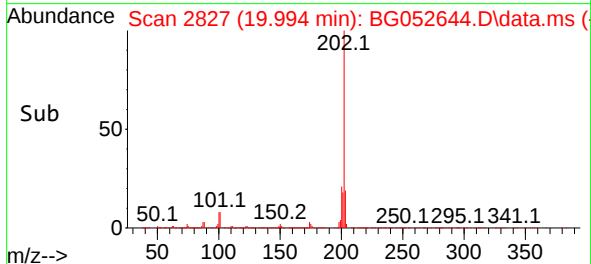
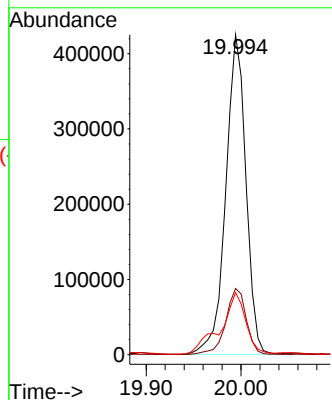
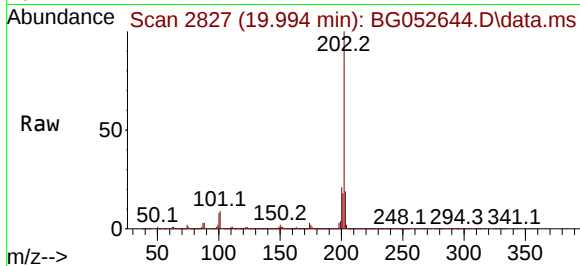
#78
Pyrene
Concen: 49.372 ng
RT: 19.994 min Scan# 2827
Delta R.T. 0.011 min
Lab File: BG052644.D
Acq: 10 Mar 2022 21:28

Instrument :
BNA_G
ClientSampleId :
CG-B3-030722-2-5DL

Tgt Ion:202 Resp: 62725
Ion Ratio Lower Upper
202 100
200 20.7 17.0 25.6
203 19.4 15.0 22.6

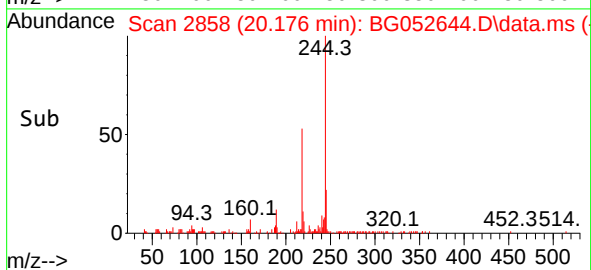
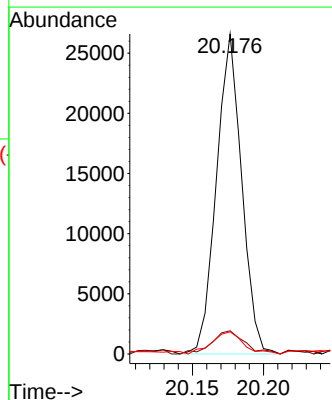
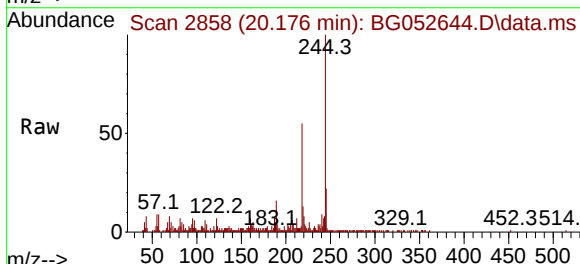
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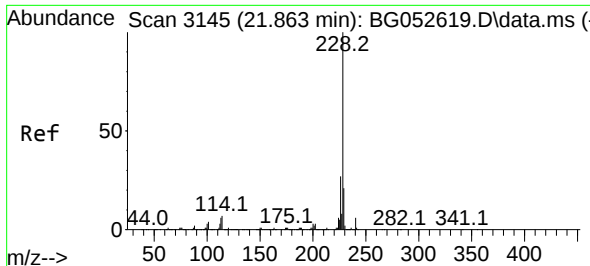
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022



#79
Terphenyl-d14
Concen: 3.055 ng
RT: 20.176 min Scan# 2858
Delta R.T. 0.005 min
Lab File: BG052644.D
Acq: 10 Mar 2022 21:28

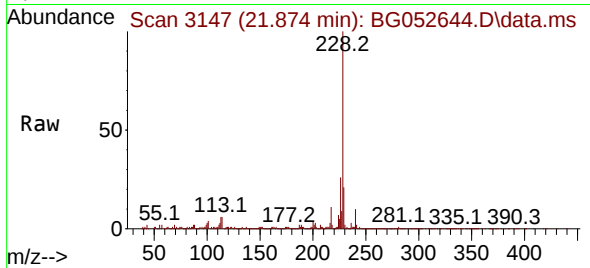
Tgt Ion:244 Resp: 32816
Ion Ratio Lower Upper
244 100
212 7.3 5.4 8.2
122 6.9 5.8 8.6





#81
Benzo(a)anthracene
Concen: 29.036 ng
RT: 21.874 min Scan# 3147
Delta R.T. 0.011 min
Lab File: BG052644.D
Acq: 10 Mar 2022 21:28

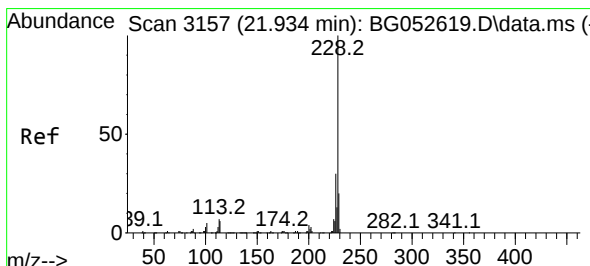
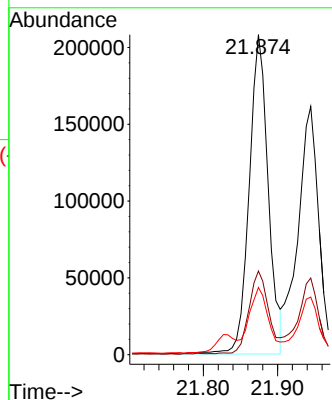
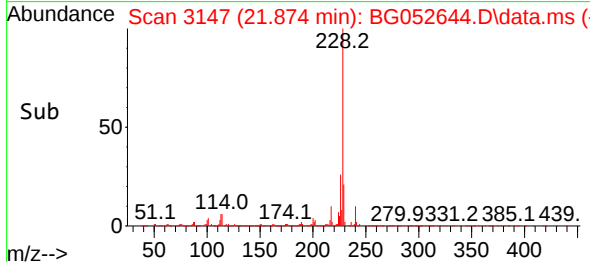
Instrument :
BNA_G
ClientSampleId :
CG-B3-030722-2-5DL



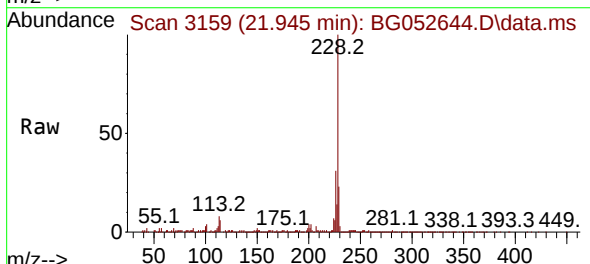
Tgt Ion:228 Resp: 36976
Ion Ratio Lower Upper
228 100
226 26.2 21.4 32.0
229 21.0 16.7 25.1

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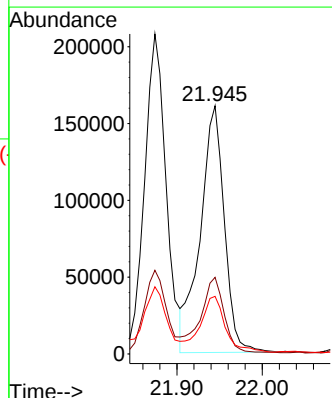
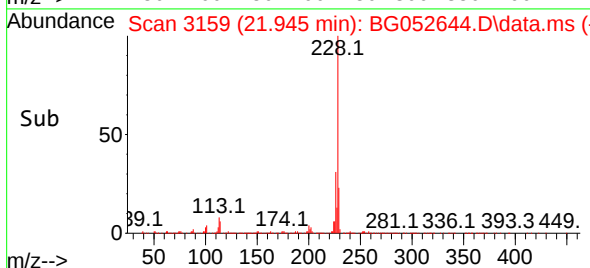
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022

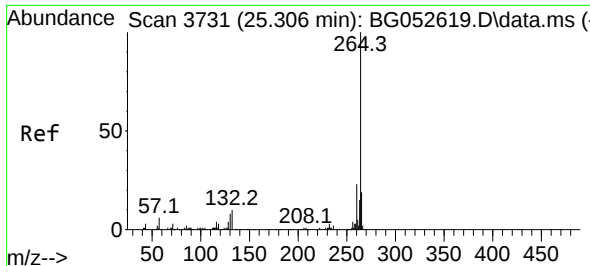


#83
Chrysene
Concen: 26.520 ng
RT: 21.945 min Scan# 3159
Delta R.T. 0.011 min
Lab File: BG052644.D
Acq: 10 Mar 2022 21:28



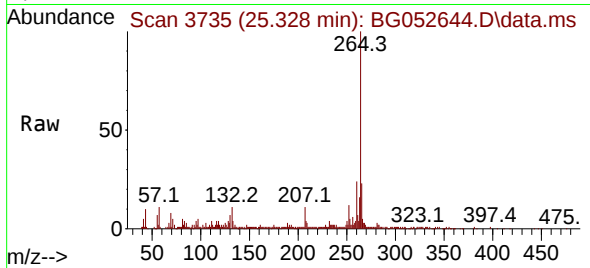
Tgt Ion:228 Resp: 315773
Ion Ratio Lower Upper
228 100
226 30.9 24.2 36.4
229 23.2 16.3 24.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.328 min Scan# 31
 Delta R.T. 0.022 min
 Lab File: BG052644.D
 Acq: 10 Mar 2022 21:28

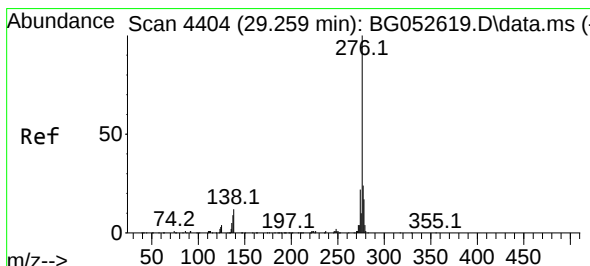
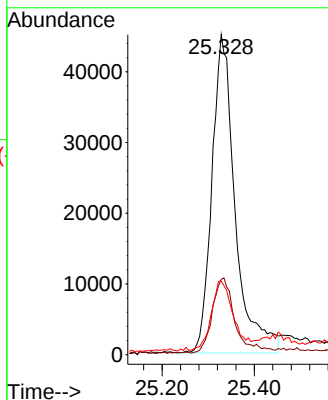
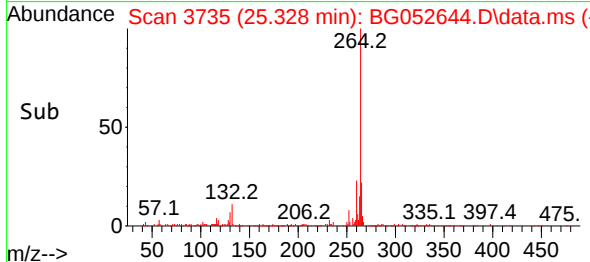
Instrument :
 BNA_G
 ClientSampleId :
 CG-B3-030722-2-5DL



Tgt Ion:264 Resp: 15753
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.2 27.2
 265 23.0 15.1 22.7

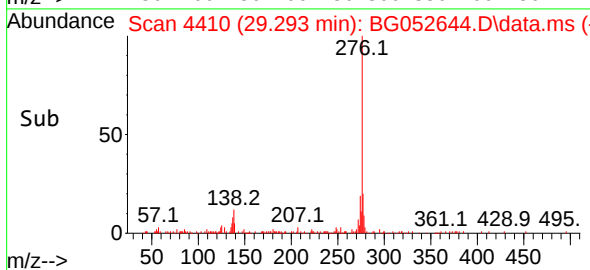
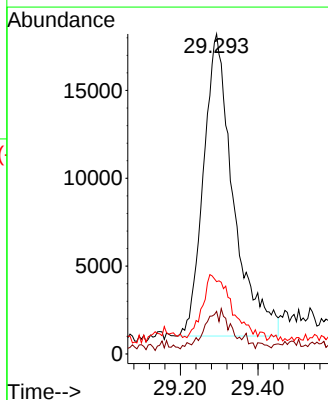
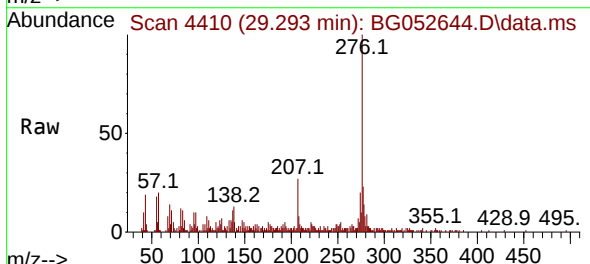
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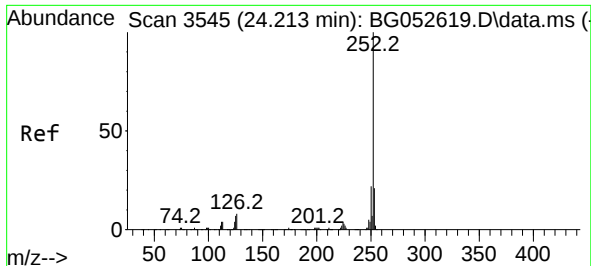
Reviewed By :Christian Giraldo 03/11/2022
 Supervised By :Jagrut Upadhyay 03/11/2022



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.136 ng
 RT: 29.293 min Scan# 4410
 Delta R.T. 0.034 min
 Lab File: BG052644.D
 Acq: 10 Mar 2022 21:28

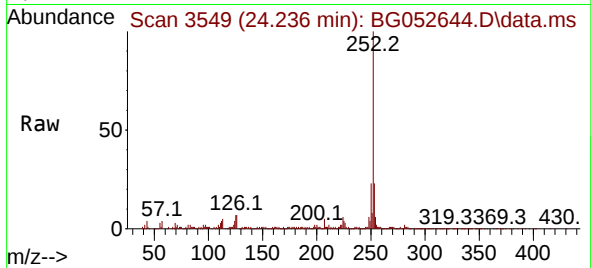
Tgt Ion:276 Resp: 91850
 Ion Ratio Lower Upper
 276 100
 138 6.4 8.7 13.1#
 277 20.0 20.2 30.4#





#88
Benzo(b)fluoranthene
Concen: 35.200 ng
RT: 24.236 min Scan# 3545
Delta R.T. 0.022 min
Lab File: BG052644.D
Acq: 10 Mar 2022 21:28

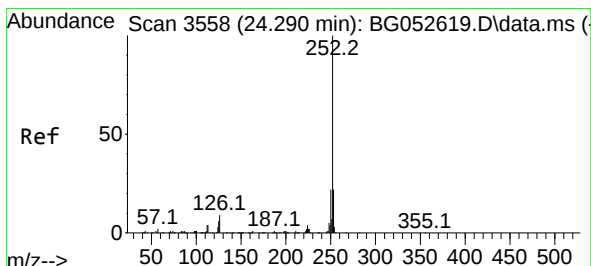
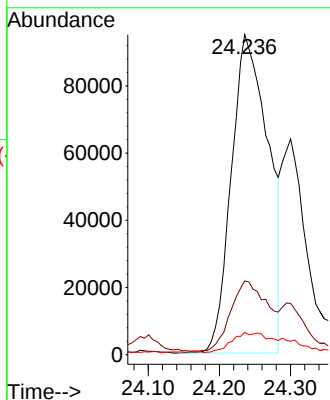
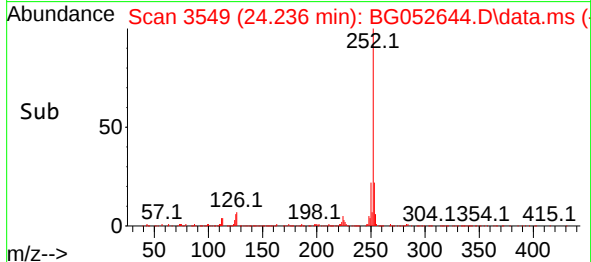
Instrument :
BNA_G
ClientSampleId :
CG-B3-030722-2-5DL



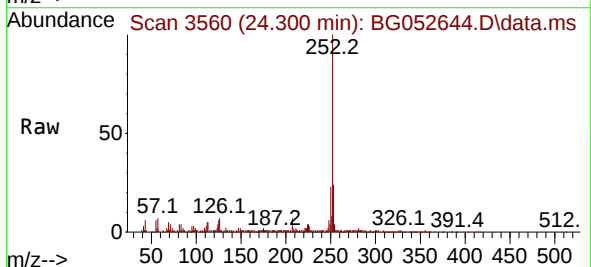
Tgt Ion:252 Resp: 342370
Ion Ratio Lower Upper
252 100
253 23.0 17.2 25.8
125 6.9 5.2 7.8

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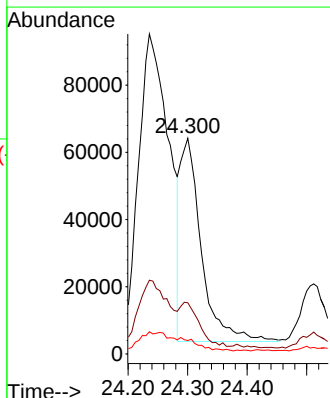
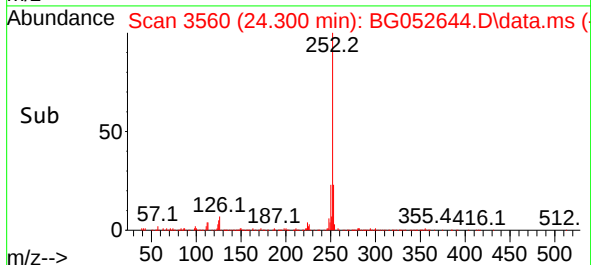
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022

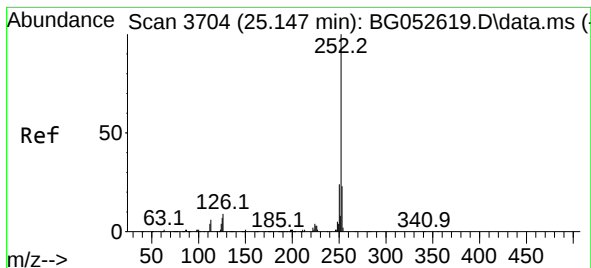


#89
Benzo(k)fluoranthene
Concen: 15.096 ng m
RT: 24.300 min Scan# 3560
Delta R.T. 0.011 min
Lab File: BG052644.D
Acq: 10 Mar 2022 21:28



Tgt Ion:252 Resp: 147665
Ion Ratio Lower Upper
252 100
253 23.7 17.4 26.0
125 6.2 5.0 7.4





#90

Benzo(a)pyrene

Concen: 29.966 ng

RT: 25.170 min Scan# 31

Delta R.T. 0.022 min

Lab File: BG052644.D

Acq: 10 Mar 2022 21:28

Instrument :

BNA_G

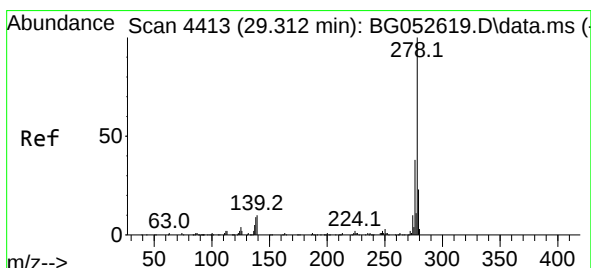
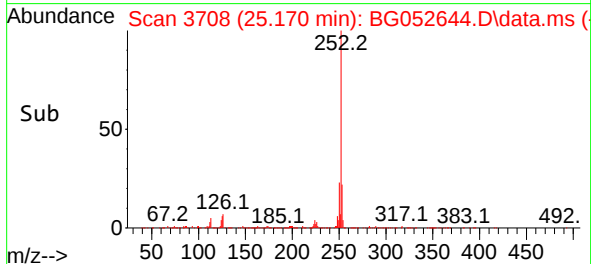
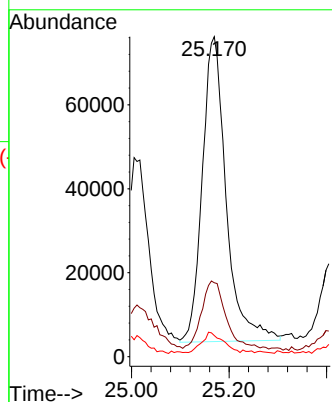
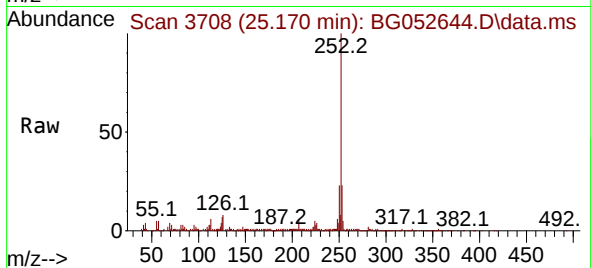
ClientSampleId :

CG-B3-030722-2-5DL

Tgt Ion:252 Resp: 246608
 Ion Ratio Lower Upper
 252 100
 253 23.1 18.4 27.6
 125 6.6 5.6 8.4

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Reviewed By :Christian Giraldo 03/11/2022
 Supervised By :Jagrut Upadhyay 03/11/2022



#91

Dibenzo(a,h)anthracene

Concen: 2.402 ng m

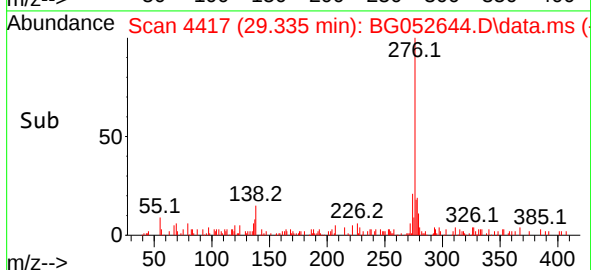
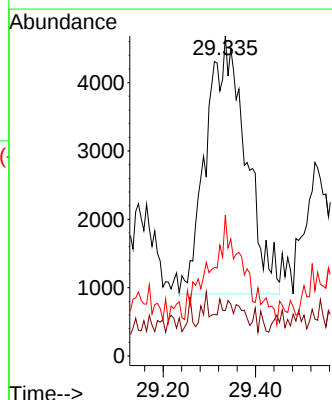
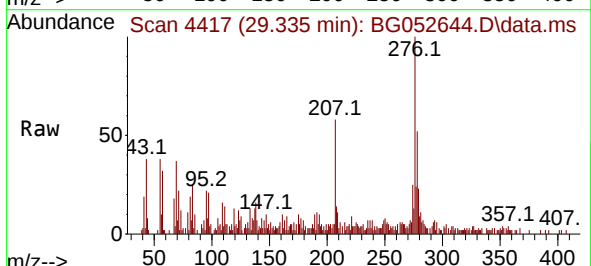
RT: 29.335 min Scan# 4417

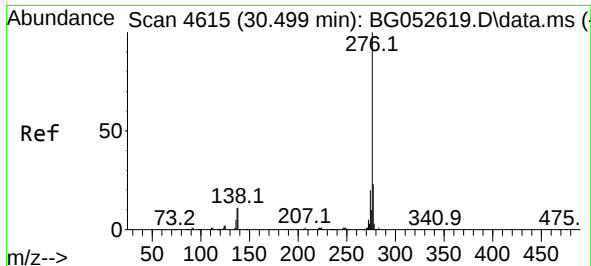
Delta R.T. 0.022 min

Lab File: BG052644.D

Acq: 10 Mar 2022 21:28

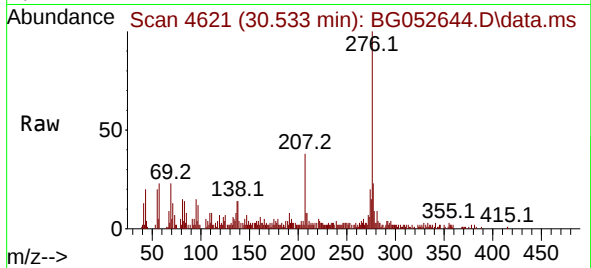
Tgt Ion:278 Resp: 22500
 Ion Ratio Lower Upper
 278 100
 139 14.2 7.8 11.6#
 279 44.1 18.5 27.7#





#92
 Benzo(g,h,i)perylene
 Concen: 9.077 ng m
 RT: 30.533 min Scan# 4
 Delta R.T. 0.034 min
 Lab File: BG052644.D
 Acq: 10 Mar 2022 21:28

Instrument :
 BNA_G
 ClientSampleId :
 CG-B3-030722-2-5DL



Tgt Ion:	276	Resp:	82994
Ion Ratio	Lower	Upper	
276	100		
277	23.3	18.2	27.2
138	13.7	9.1	13.7

Manual Integrations
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Reviewed By :Christian Giraldo 03/11/2022
 Supervised By :Jagrut Upadhyay 03/11/2022

