

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070122\
 Data File : BG054202.D
 Acq On : 1 Jul 2022 22:14
 Operator : CG/JU
 Sample : N3564-16
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-16-2-6

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/05/2022
 Supervised By : Jagrut Upadhyay 07/05/2022

Quant Time: Jul 01 23:36:07 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 27 00:27:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.071	152	21325	20.000	ng	0.00
21) Naphthalene-d8	10.885	136	80352	20.000	ng	0.00
39) Acenaphthene-d10	14.704	164	52037	20.000	ng	0.00
64) Phenanthrene-d10	17.454	188	113602	20.000	ng	# 0.01
76) Chrysene-d12	21.755	240	131016	20.000	ng	# 0.04
86) Perylene-d12	25.075	264	117470	20.000	ng	# 0.11
System Monitoring Compounds						
5) 2-Fluorophenol	5.645	112	133101	119.333	ng	0.00
7) Phenol-d6	7.243	99	177302	117.179	ng	0.01
23) Nitrobenzene-d5	9.234	82	121587	85.035	ng	0.00
42) 2,4,6-Tribromophenol	16.197	330	104545	125.044	ng	0.01
45) 2-Fluorobiphenyl	13.324	172	312866	87.428	ng	0.00
79) Terphenyl-d14	20.069	244	527545	81.098	ng	0.02
Target Compounds						Qvalue
37) 2-Methylnaphthalene	12.536	142	9518	3.171	ng	96
38) 1-Methylnaphthalene	12.754	142	17031	5.828	ng	# 95
58) Fluorene	15.750	166	14687	3.818	ng	# 72
71) Phenanthrene	17.495	178	71535	12.256	ng	# 79
72) Anthracene	17.589	178	15966	2.801	ng	# 59
75) Fluoranthene	19.517	202	122122	15.939	ng	86
78) Pyrene	19.875	202	151047	19.088	ng	# 88
81) Benzo(a)anthracene	21.737	228	78898	9.301	ng	# 66
83) Chrysene	21.802	228	102836	12.718	ng	# 67
87) Indeno(1,2,3-cd)pyrene	28.864	276	30605	3.452	ng	# 93
88) Benzo(b)fluoranthene	24.029	252	89276m	12.499	ng	
89) Benzo(k)fluoranthene	24.076	252	41931m	5.929	ng	
90) Benzo(a)pyrene	24.922	252	67651	11.226	ng	# 40
92) Benzo(g,h,i)perylene	30.069	276	36006m	4.977	ng	

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

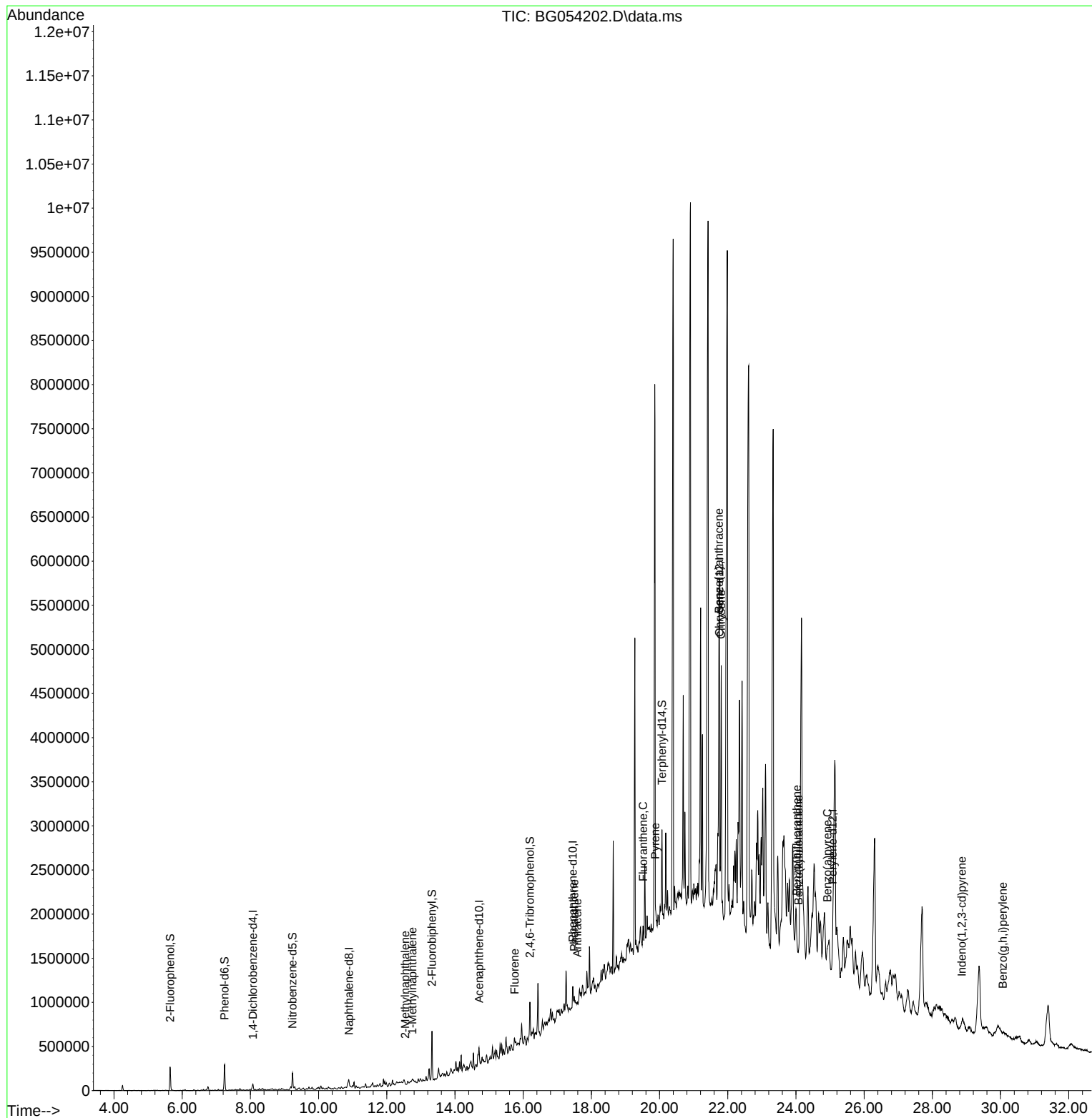
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070122\
Data File : BG054202.D
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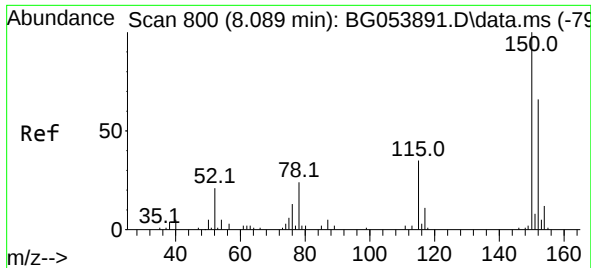
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WC-16-2-6

Quant Time: Jul 01 23:36:07 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
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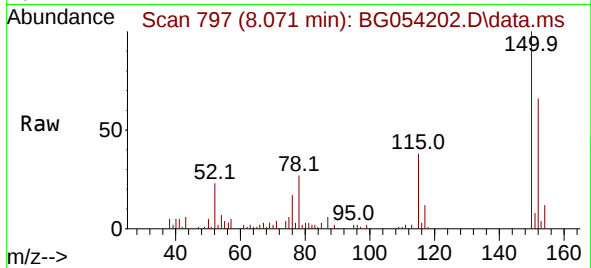
Reviewed By : Christian Giraldo 07/05/2022
Supervised By : Jagrut Upadhyay 07/05/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.071 min Scan# 79
Delta R.T. 0.001 min
Lab File: BG054202.D
Acq: 1 Jul 2022 22:14

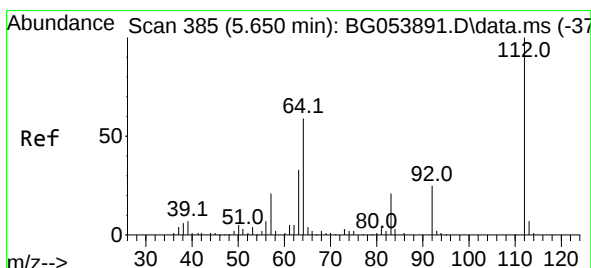
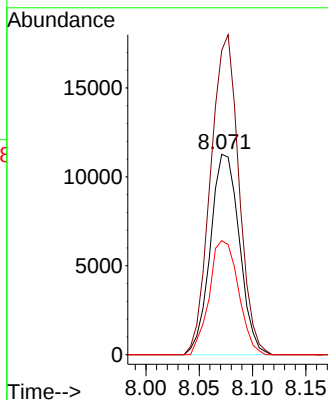
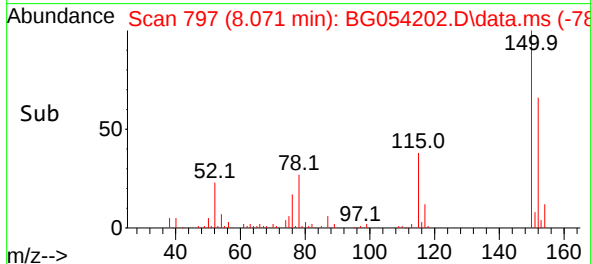
Instrument :
BNA_G
ClientSampleId :
WC-16-2-6



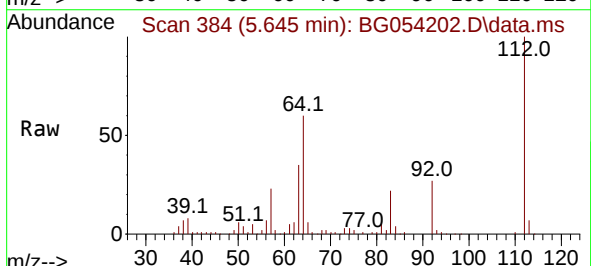
Tgt Ion:152 Resp: 2132
Ion Ratio Lower Upper
152 100
150 151.9 131.6 197.4
115 57.0 50.9 76.3

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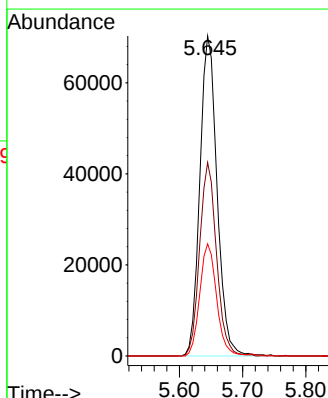
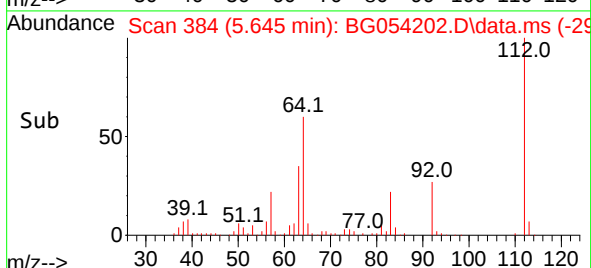
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

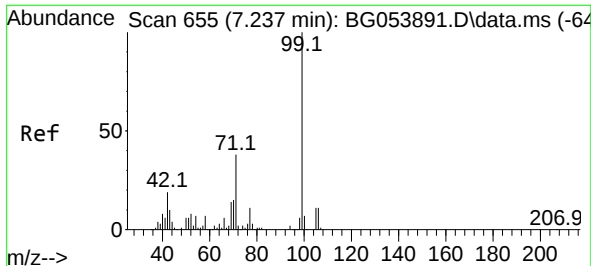


#5
2-Fluorophenol
Concen: 119.333 ng
RT: 5.645 min Scan# 384
Delta R.T. 0.007 min
Lab File: BG054202.D
Acq: 1 Jul 2022 22:14



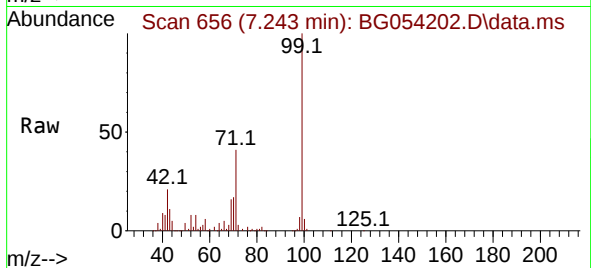
Tgt Ion:112 Resp: 133101
Ion Ratio Lower Upper
112 100
64 60.4 55.1 82.7
63 35.0 30.4 45.6





#7
Phenol-d6
Concen: 117.179 ng
RT: 7.243 min Scan# 61
Delta R.T. 0.012 min
Lab File: BG054202.D
Acq: 1 Jul 2022 22:14

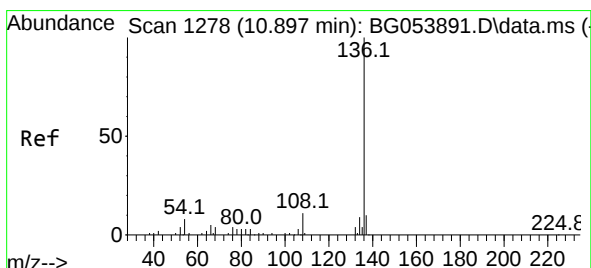
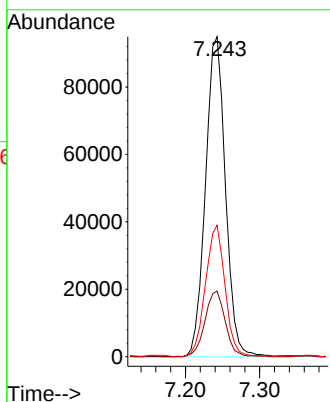
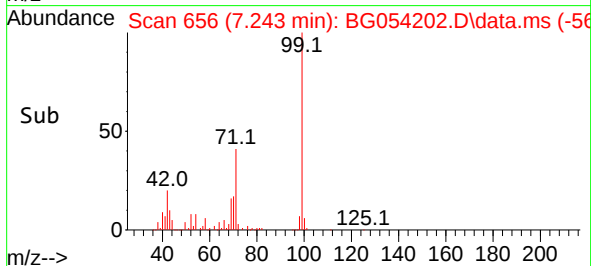
Instrument :
BNA_G
ClientSampleId :
WC-16-2-6



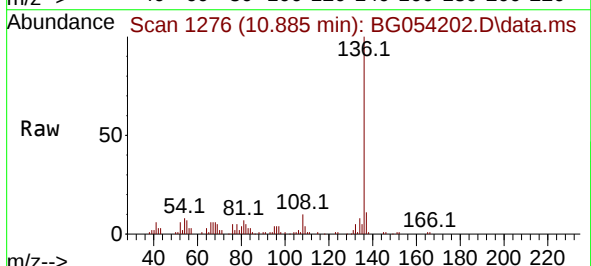
Tgt Ion: 99 Resp: 177302
Ion Ratio Lower Upper
99 100
42 20.5 17.0 25.6
71 41.1 33.8 50.8

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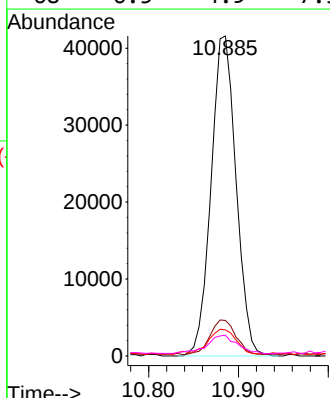
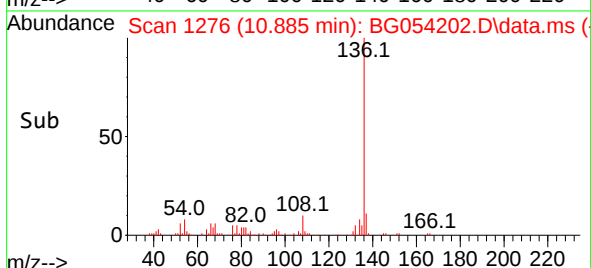
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

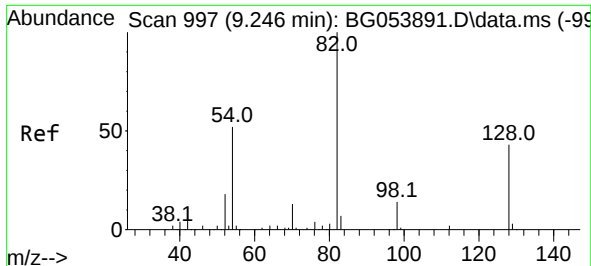


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.885 min Scan# 1276
Delta R.T. 0.007 min
Lab File: BG054202.D
Acq: 1 Jul 2022 22:14



Tgt Ion:136 Resp: 80352
Ion Ratio Lower Upper
136 100
137 11.1 8.5 12.7
54 8.2 7.4 11.2
68 6.5 4.9 7.3





#23

Nitrobenzene-d5

Concen: 85.035 ng

RT: 9.234 min Scan# 995

Delta R.T. 0.001 min

Lab File: BG054202.D

Acq: 1 Jul 2022 22:14

Instrument :

BNA_G

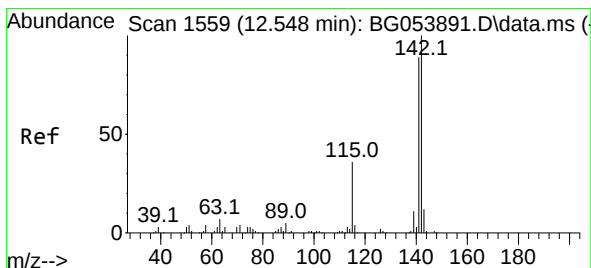
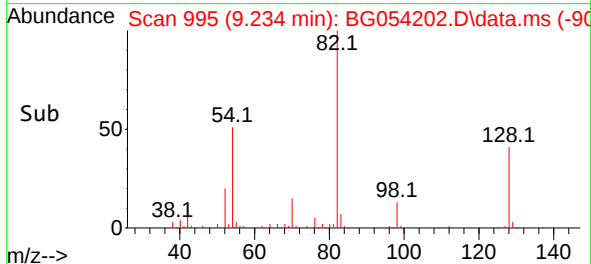
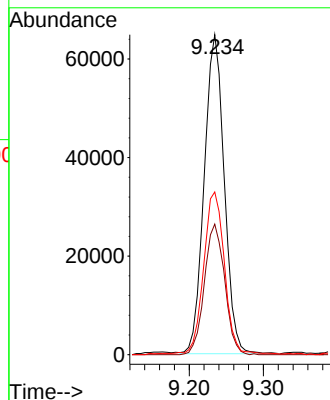
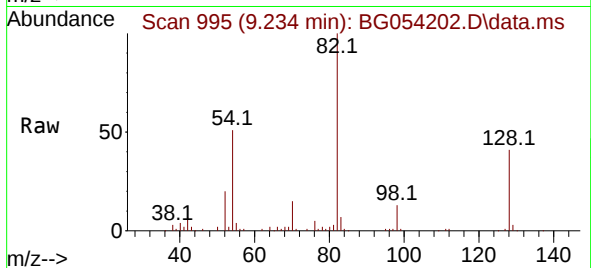
ClientSampleId :

WC-16-2-6

Tgt Ion: 82 Resp: 12158
 Ion Ratio Lower Upper
 82 100
 128 40.8 27.9 41.9
 54 50.9 41.2 61.8

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#37

2-Methylnaphthalene

Concen: 3.171 ng

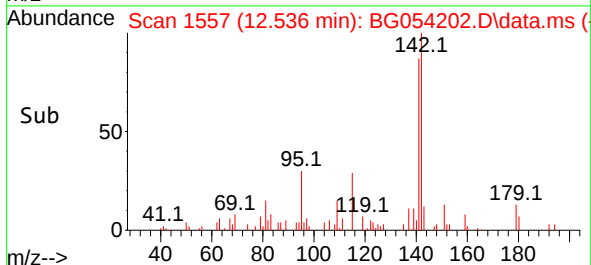
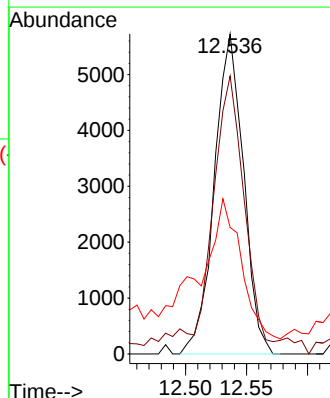
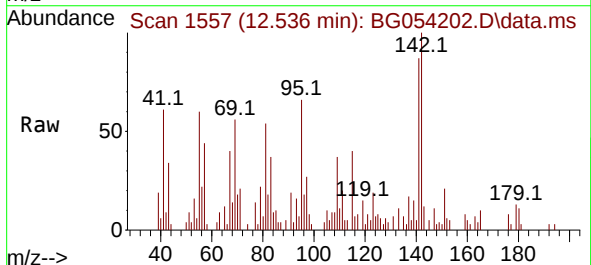
RT: 12.536 min Scan# 1557

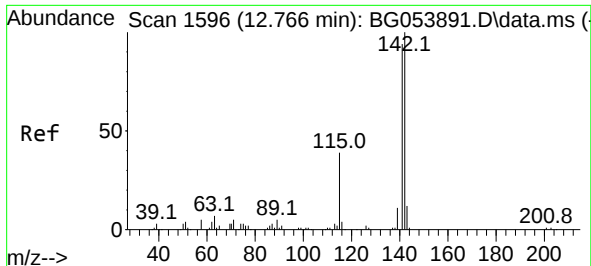
Delta R.T. 0.007 min

Lab File: BG054202.D

Acq: 1 Jul 2022 22:14

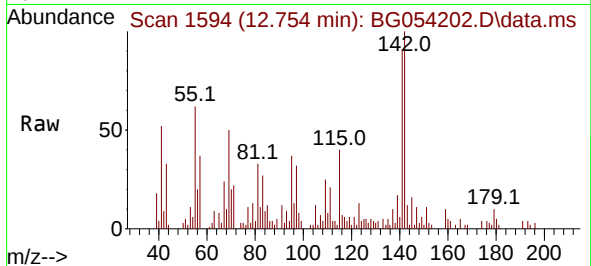
Tgt Ion:142 Resp: 9518
 Ion Ratio Lower Upper
 142 100
 141 86.8 72.3 108.5
 115 39.6 33.7 50.5





#38
1-Methylnaphthalene
Concen: 5.828 ng
RT: 12.754 min Scan# 11
Delta R.T. 0.007 min
Lab File: BG054202.D
Acq: 1 Jul 2022 22:14

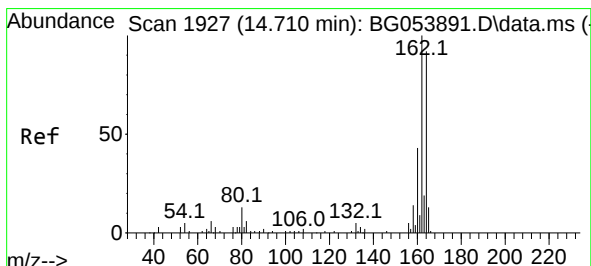
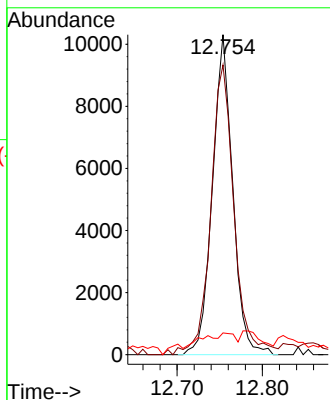
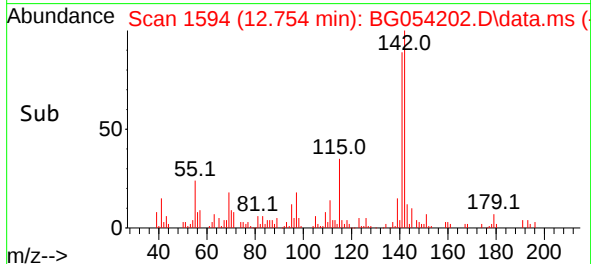
Instrument :
BNA_G
ClientSampleId :
WC-16-2-6



Tgt Ion:142 Resp: 1703
Ion Ratio Lower Upper
142 100
141 90.6 76.4 114.6
116 6.8 3.3 4.9

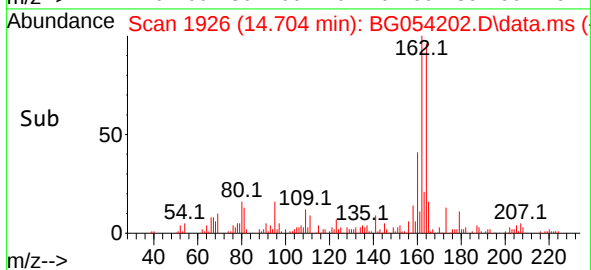
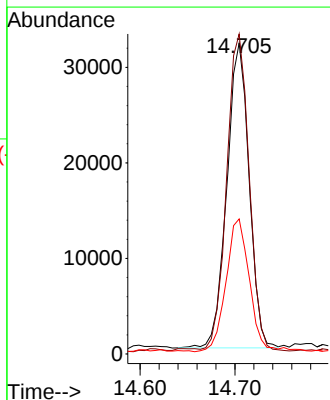
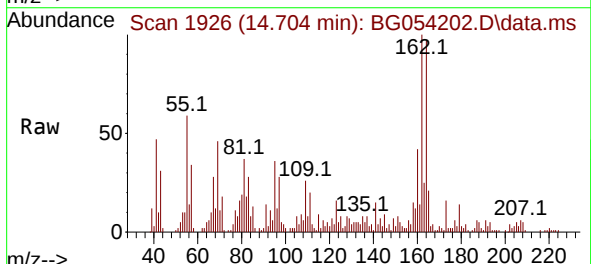
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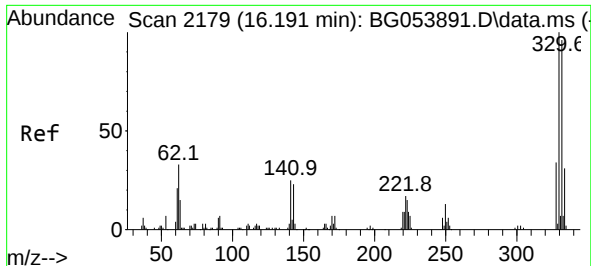
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.704 min Scan# 1926
Delta R.T. 0.007 min
Lab File: BG054202.D
Acq: 1 Jul 2022 22:14

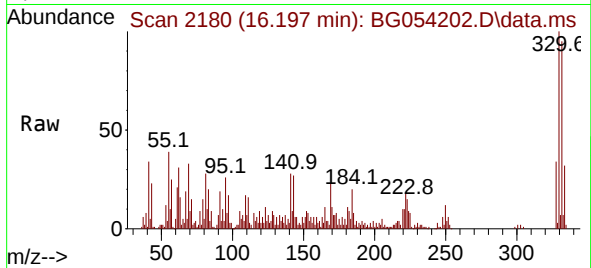
Tgt Ion:164 Resp: 52037
Ion Ratio Lower Upper
164 100
162 102.9 82.3 123.5
160 43.4 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 125.044 ng
RT: 16.197 min Scan# 2179
Delta R.T. 0.012 min
Lab File: BG054202.D
Acq: 1 Jul 2022 22:14

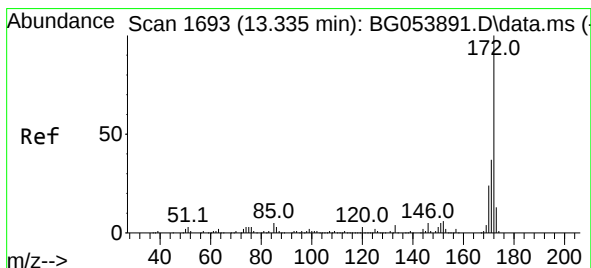
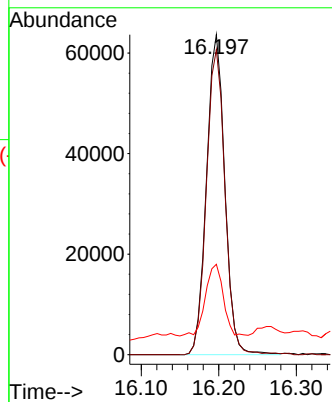
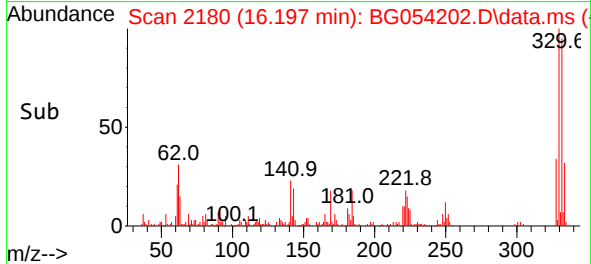
Instrument :
BNA_G
ClientSampleId :
WC-16-2-6



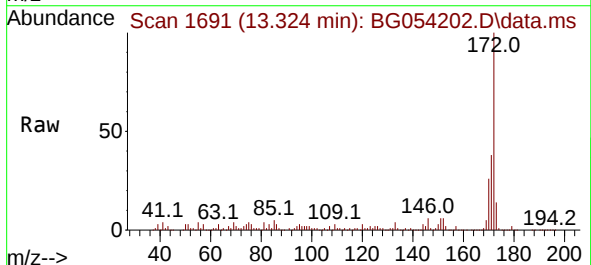
Tgt Ion:330 Resp: 104549
Ion Ratio Lower Upper
330 100
332 96.7 76.0 114.0
141 21.7 27.1 40.7

Manual Integrations
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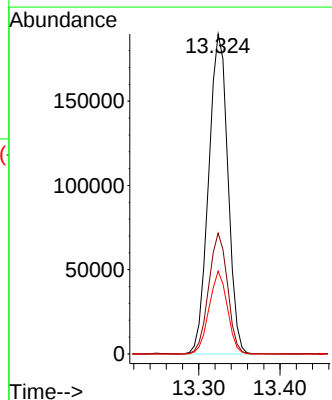
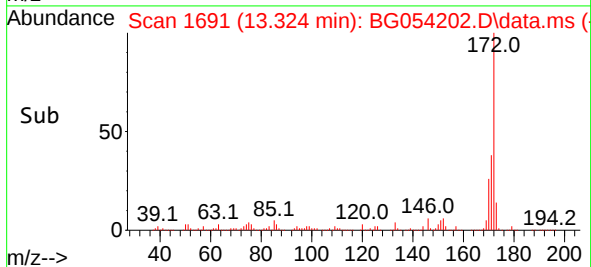
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

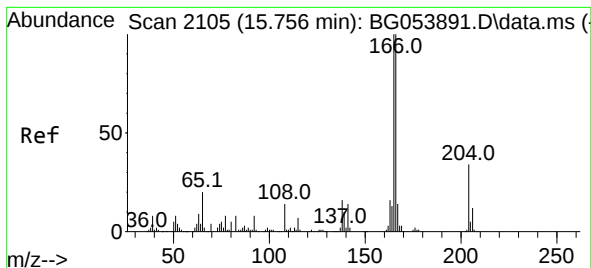


#45
2-Fluorobiphenyl
Concen: 87.428 ng
RT: 13.324 min Scan# 1691
Delta R.T. 0.001 min
Lab File: BG054202.D
Acq: 1 Jul 2022 22:14



Tgt Ion:172 Resp: 312866
Ion Ratio Lower Upper
172 100
171 37.7 28.5 42.7
170 25.9 18.9 28.3





#58

Fluorene

Concen: 3.818 ng

RT: 15.750 min Scan# 2105

Delta R.T. 0.007 min

Lab File: BG054202.D

Acq: 1 Jul 2022 22:14

Instrument :

BNA_G

ClientSampleId :

WC-16-2-6

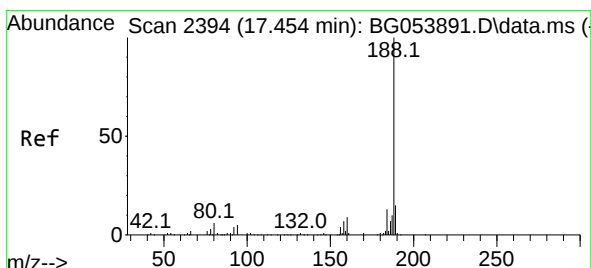
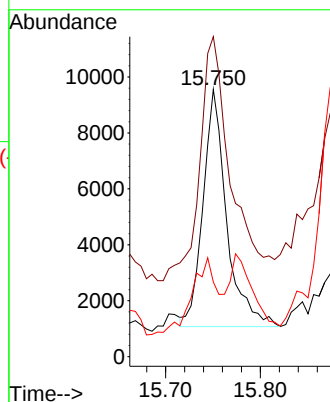
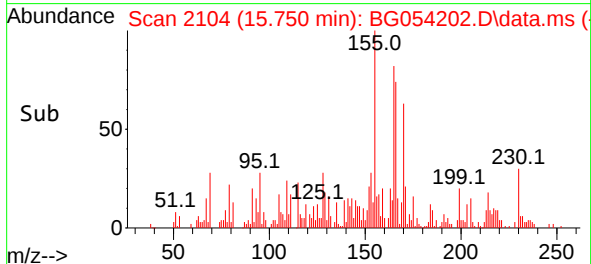
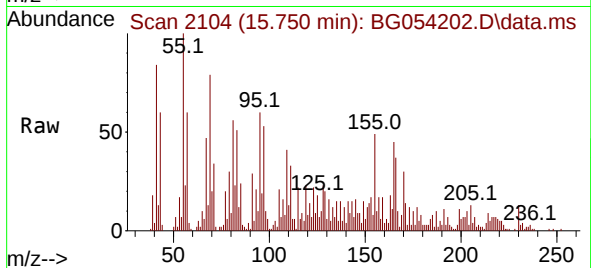
Tgt Ion:166 Resp: 1468
 Ion Ratio Lower Upper
 166 100
 165 119.7 75.0 112.6
 167 27.9 10.8 16.2

Manual Integrations

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Reviewed By :Christian Giraldo 07/05/2022

Supervised By :Jagrut Upadhyay 07/05/2022



#64

Phenanthrene-d10

Concen: 20.000 ng

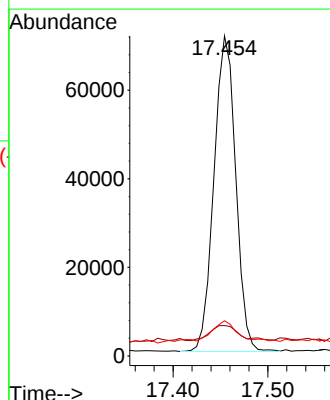
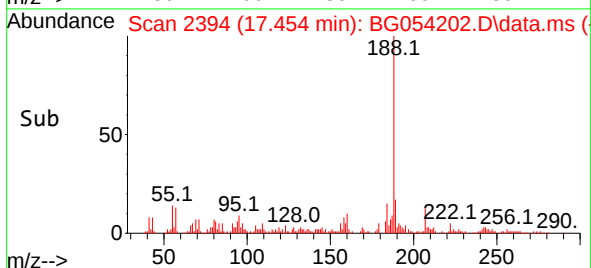
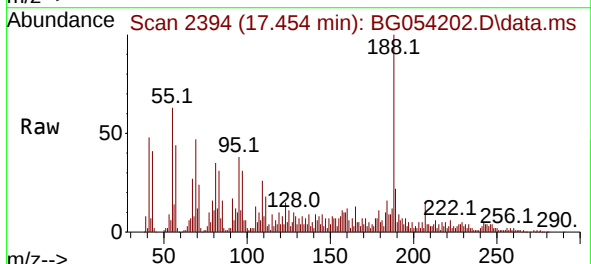
RT: 17.454 min Scan# 2394

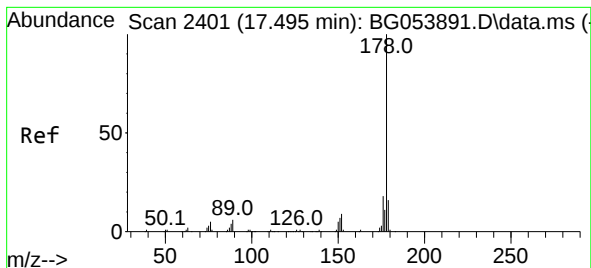
Delta R.T. 0.012 min

Lab File: BG054202.D

Acq: 1 Jul 2022 22:14

Tgt Ion:188 Resp: 113602
 Ion Ratio Lower Upper
 188 100
 94 9.5 5.4 8.0#
 80 11.0 6.8 10.2#





#71

Phenanthrene

Concen: 12.256 ng

RT: 17.495 min Scan# 2401

Delta R.T. 0.012 min

Lab File: BG054202.D

Acq: 1 Jul 2022 22:14

Instrument :

BNA_G

ClientSampleId :

WC-16-2-6

Tgt Ion:178 Resp: 7153

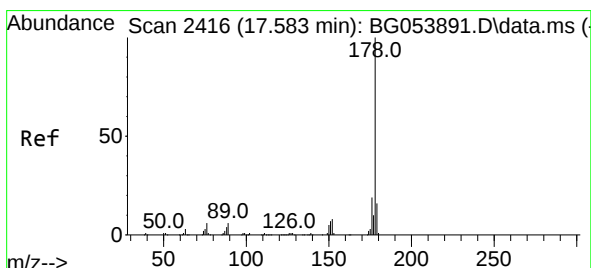
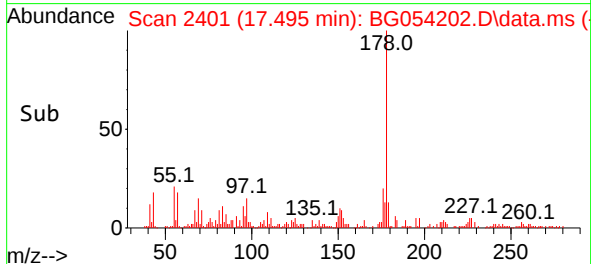
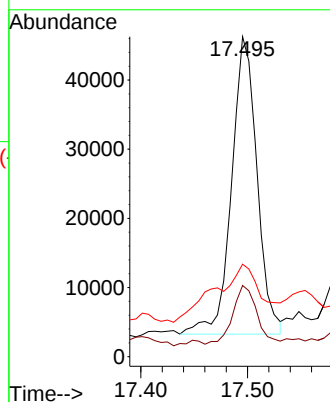
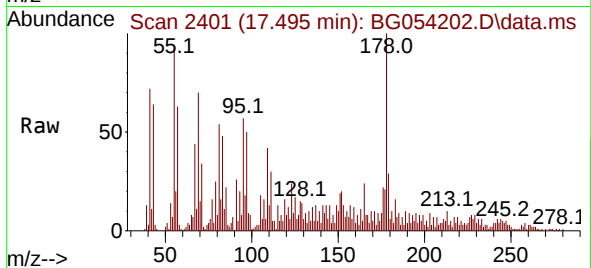
Ion	Ratio	Lower	Upper
178	100		
176	22.2	14.1	21.1
179	28.9	12.1	18.1

Manual Integrations

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#72

Anthracene

Concen: 2.801 ng

RT: 17.589 min Scan# 2417

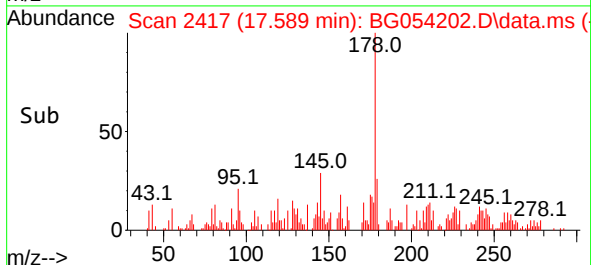
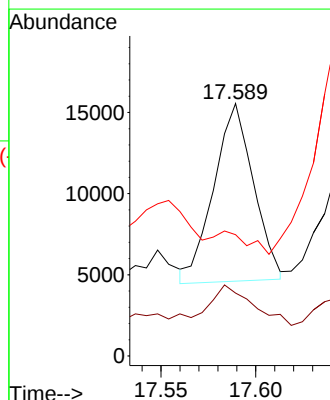
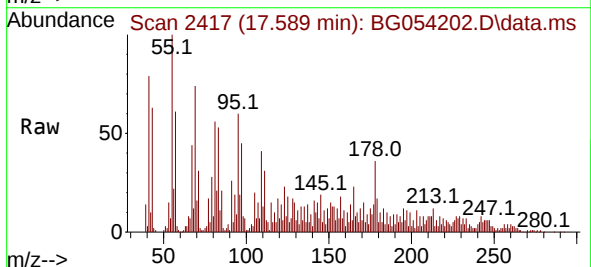
Delta R.T. 0.012 min

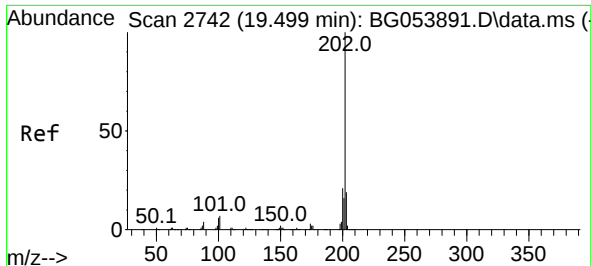
Lab File: BG054202.D

Acq: 1 Jul 2022 22:14

Tgt Ion:178 Resp: 15966

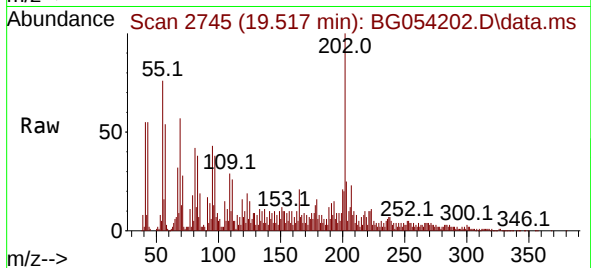
Ion	Ratio	Lower	Upper
178	100		
176	24.9	15.2	22.8
179	48.0	13.0	19.4





#75
Fluoranthene
Concen: 15.939 ng
RT: 19.517 min Scan# 21
Delta R.T. 0.024 min
Lab File: BG054202.D
Acq: 1 Jul 2022 22:14

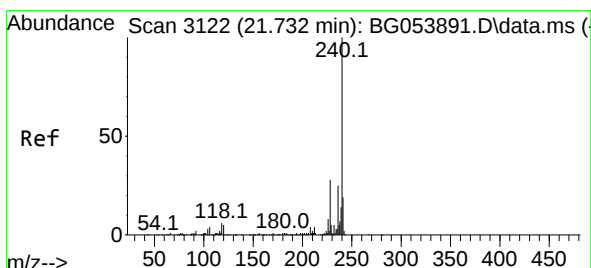
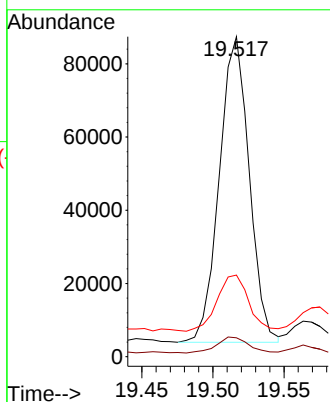
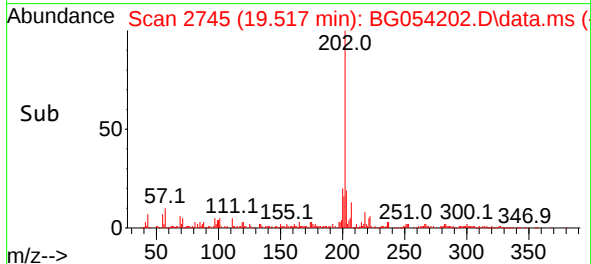
Instrument :
BNA_G
ClientSampleId :
WC-16-2-6



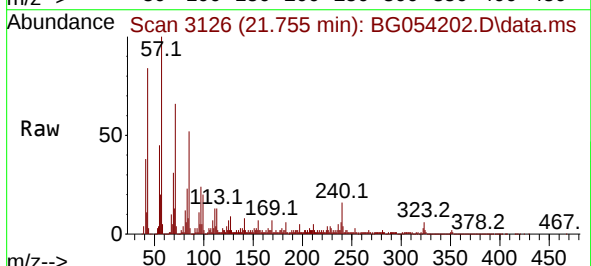
Tgt Ion:202 Resp: 12212
Ion Ratio Lower Upper
202 100
101 5.9 0.0 26.9
203 25.5 0.0 37.2

Manual Integrations
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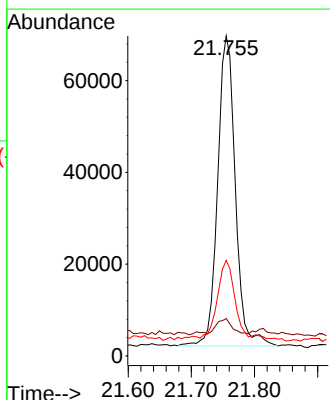
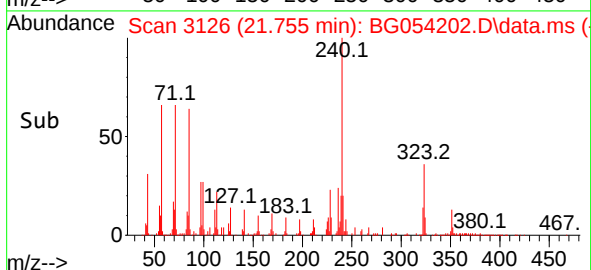
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

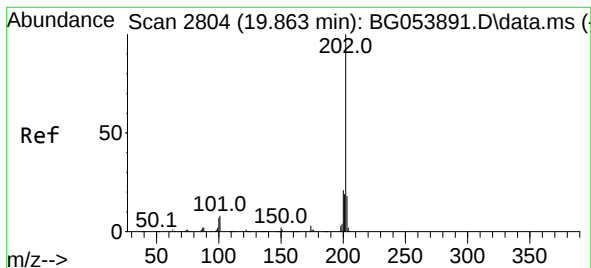


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.755 min Scan# 3126
Delta R.T. 0.036 min
Lab File: BG054202.D
Acq: 1 Jul 2022 22:14



Tgt Ion:240 Resp: 131016
Ion Ratio Lower Upper
240 100
120 11.7 4.6 7.0#
236 29.8 20.2 30.4





#78

Pyrene

Concen: 19.088 ng

RT: 19.875 min Scan# 21

Delta R.T. 0.024 min

Lab File: BG054202.D

Acq: 1 Jul 2022 22:14

Instrument :

BNA_G

ClientSampleId :

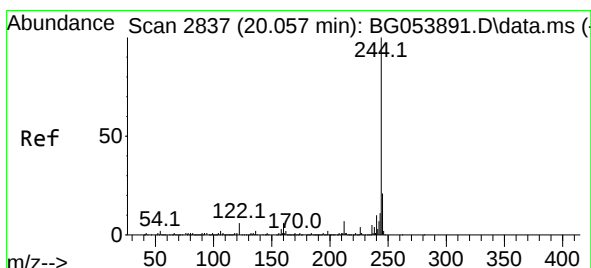
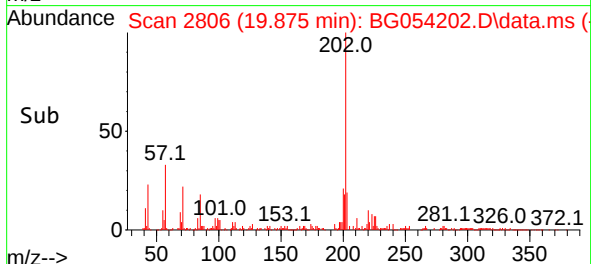
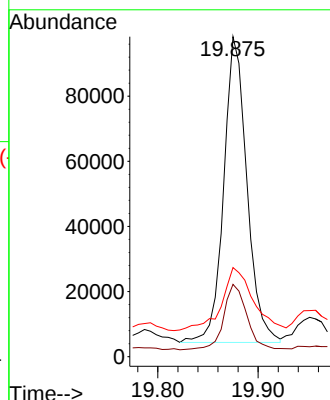
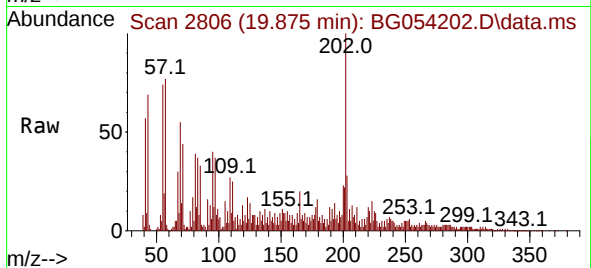
WC-16-2-6

Tgt Ion:	202	Resp:	15104
Ion Ratio	Lower	Upper	
202	100		
200	22.6	16.6	24.8
203	27.8	14.6	21.8

Manual Integrations

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Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022



#79

Terphenyl-d14

Concen: 81.098 ng

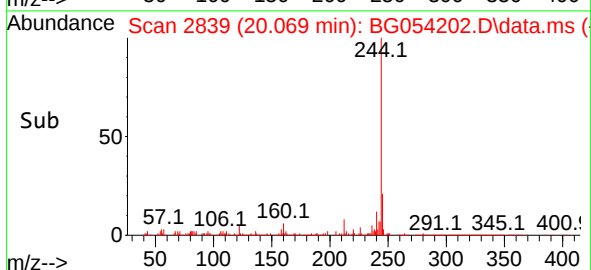
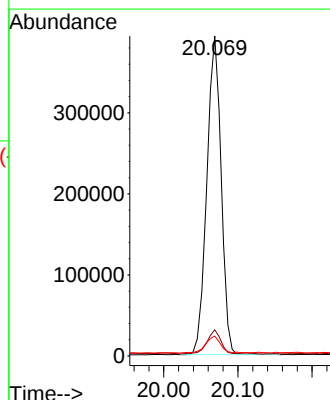
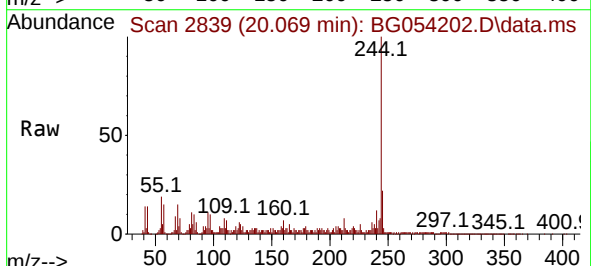
RT: 20.069 min Scan# 2839

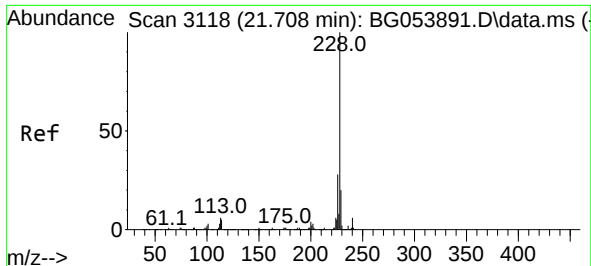
Delta R.T. 0.024 min

Lab File: BG054202.D

Acq: 1 Jul 2022 22:14

Tgt Ion:	244	Resp:	527545
Ion Ratio	Lower	Upper	
244	100		
212	8.1	6.5	9.7
122	6.2	5.0	7.4





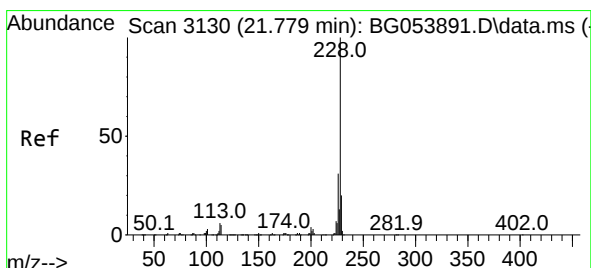
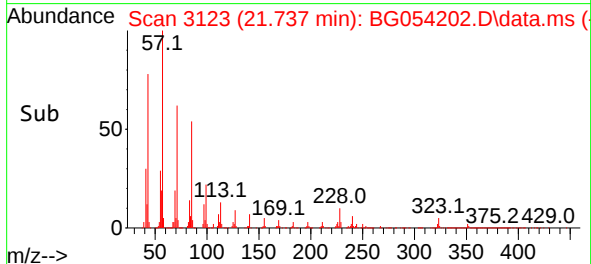
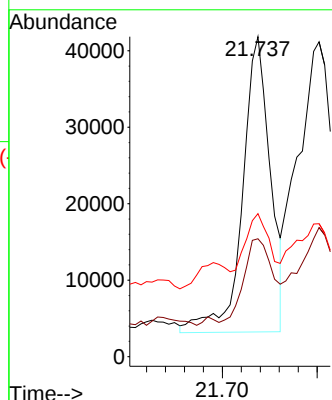
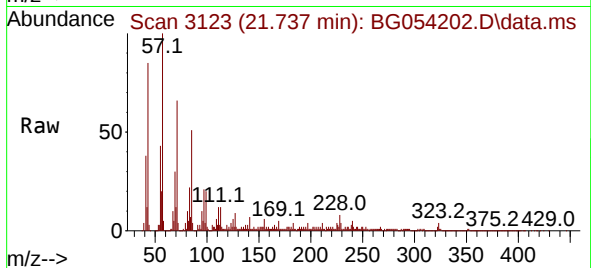
#81
Benzo(a)anthracene
Concen: 9.301 ng
RT: 21.737 min Scan# 3118
Delta R.T. 0.042 min
Lab File: BG054202.D
Acq: 1 Jul 2022 22:14

Instrument :
BNA_G
ClientSampleId :
WC-16-2-6

Tgt Ion:228 Resp: 78898
Ion Ratio Lower Upper
228 100
226 36.8 21.6 32.4#
229 44.7 16.2 24.2#

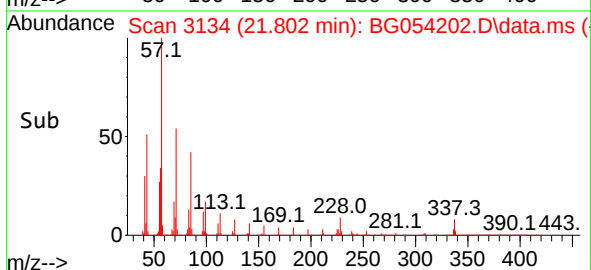
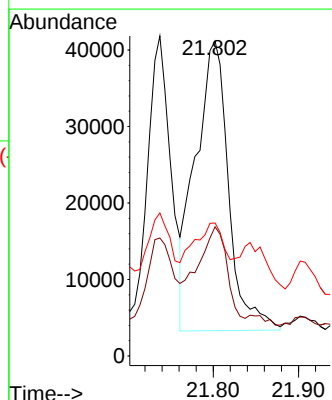
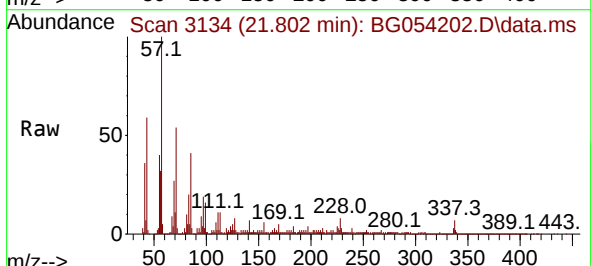
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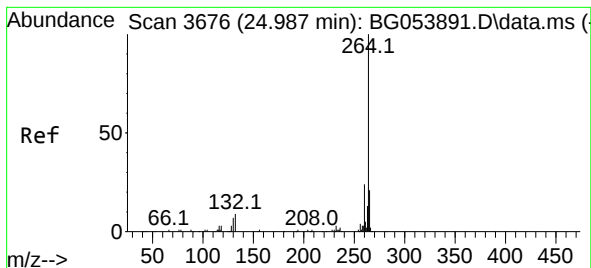
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022



#83
Chrysene
Concen: 12.718 ng
RT: 21.802 min Scan# 3134
Delta R.T. 0.042 min
Lab File: BG054202.D
Acq: 1 Jul 2022 22:14

Tgt Ion:228 Resp: 102836
Ion Ratio Lower Upper
228 100
226 41.0 23.4 35.2#
229 42.2 15.5 23.3#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.075 min Scan# 30

Delta R.T. 0.112 min

Lab File: BG054202.D

Acq: 1 Jul 2022 22:14

Instrument :

BNA_G

ClientSampleId :

WC-16-2-6

Tgt Ion:264 Resp: 117470

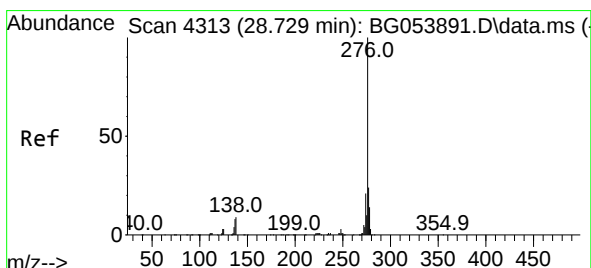
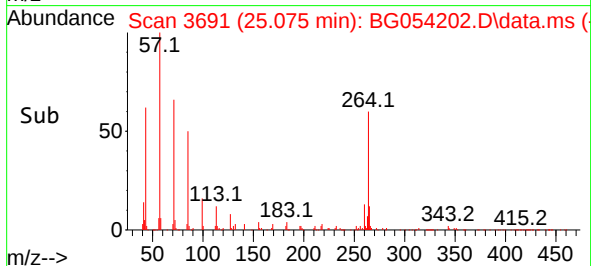
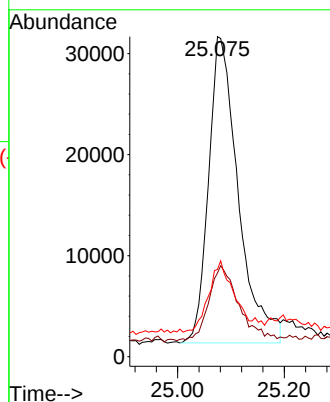
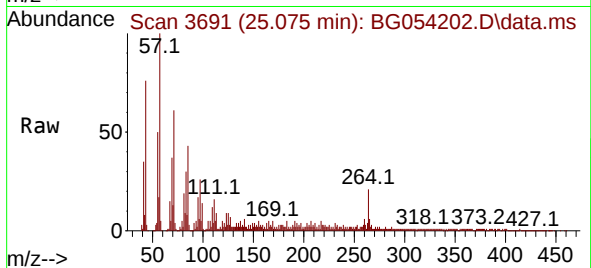
Ion	Ratio	Lower	Upper
264	100		
260	26.2	19.0	28.6
265	27.2	17.4	26.2

Manual Integrations

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Reviewed By :Christian Giraldo 07/05/2022

Supervised By :Jagrut Upadhyay 07/05/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.452 ng

RT: 28.864 min Scan# 4336

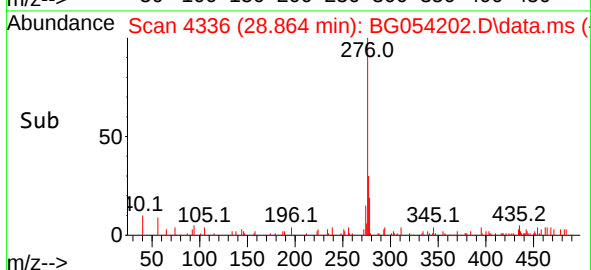
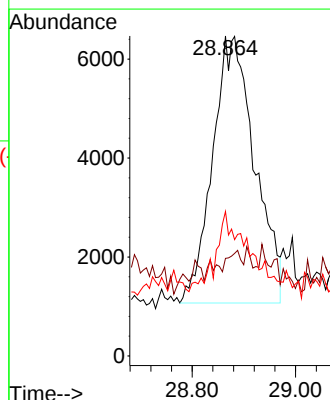
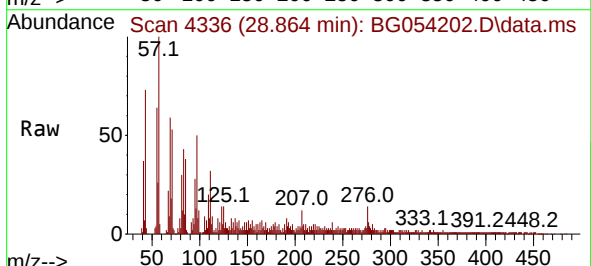
Delta R.T. 0.177 min

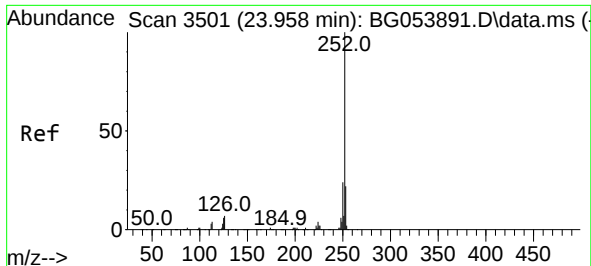
Lab File: BG054202.D

Acq: 1 Jul 2022 22:14

Tgt Ion:276 Resp: 30605

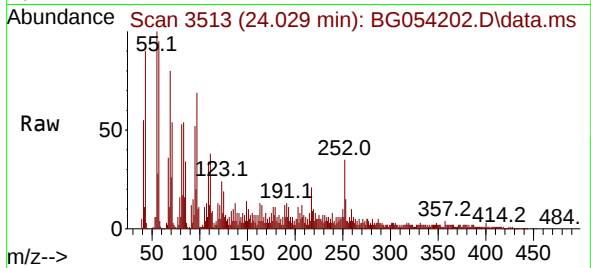
Ion	Ratio	Lower	Upper
276	100		
138	0.0	5.0	7.4
277	23.1	20.3	30.5





#88
Benzo(b)fluoranthene
Concen: 12.499 ng m
RT: 24.029 min Scan# 3513
Delta R.T. 0.095 min
Lab File: BG054202.D
Acq: 1 Jul 2022 22:14

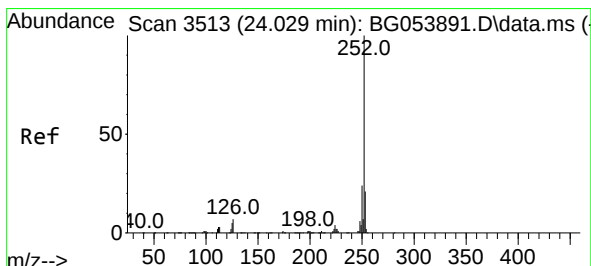
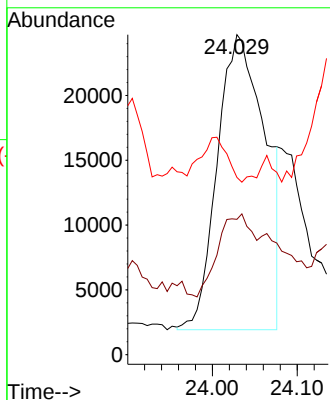
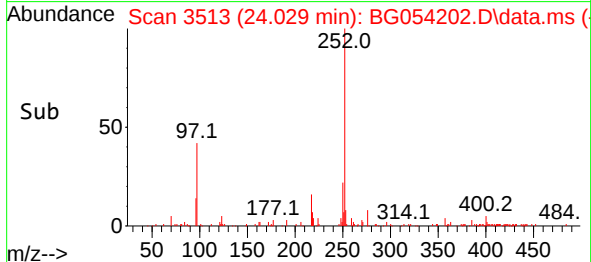
Instrument :
BNA_G
ClientSampleId :
WC-16-2-6



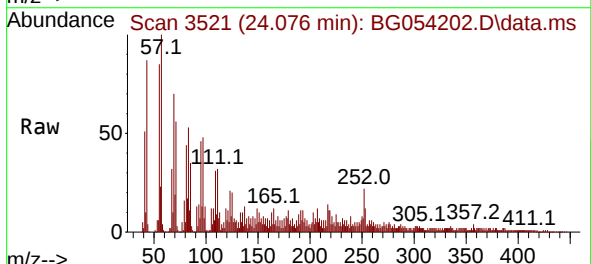
Tgt Ion:252 Resp: 89270
Ion Ratio Lower Upper
252 100
253 42.3 18.0 27.0#
125 55.4 4.6 6.8#

Manual Integrations
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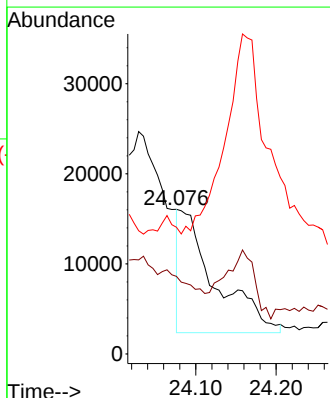
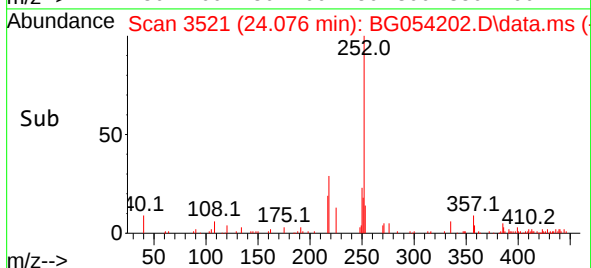
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

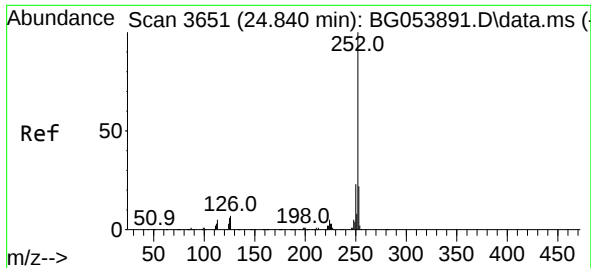


#89
Benzo(k)fluoranthene
Concen: 5.929 ng m
RT: 24.076 min Scan# 3521
Delta R.T. 0.071 min
Lab File: BG054202.D
Acq: 1 Jul 2022 22:14



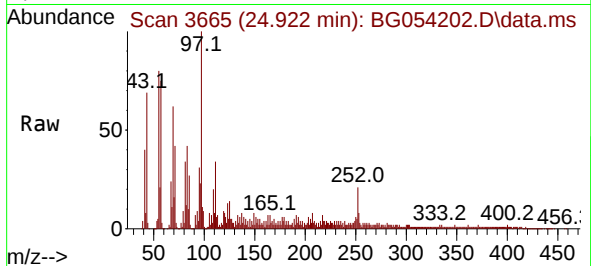
Tgt Ion:252 Resp: 41931
Ion Ratio Lower Upper
252 100
253 53.7 18.4 27.6#
125 87.7 4.8 7.2#





#90
Benzo(a)pyrene
Concen: 11.226 ng
RT: 24.922 min Scan# 30
Delta R.T. 0.106 min
Lab File: BG054202.D
Acq: 1 Jul 2022 22:14

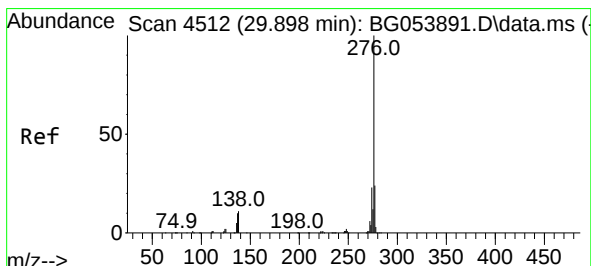
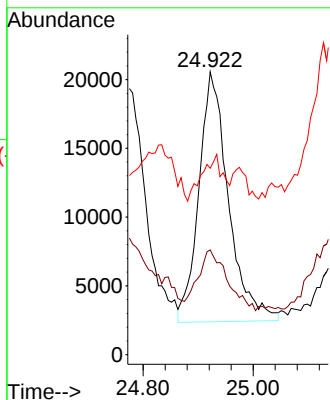
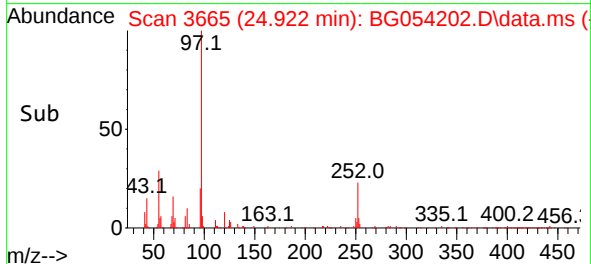
Instrument :
BNA_G
ClientSampleId :
WC-16-2-6



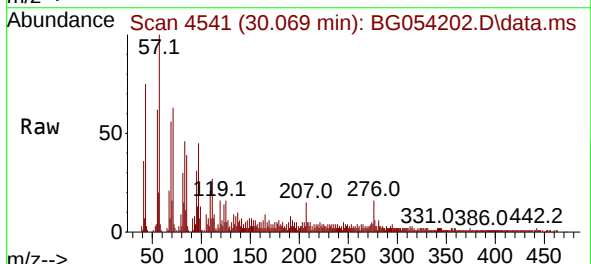
Tgt Ion:252 Resp: 6765
Ion Ratio Lower Upper
252 100
253 37.1 17.8 26.8
125 65.9 4.3 6.5

Manual Integrations
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Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022



#92
Benzo(g,h,i)perylene
Concen: 4.977 ng m
RT: 30.069 min Scan# 4541
Delta R.T. 0.206 min
Lab File: BG054202.D
Acq: 1 Jul 2022 22:14



Tgt Ion:276 Resp: 36006
Ion Ratio Lower Upper
276 100
277 35.1 17.3 25.9#
138 28.7 9.6 14.4#

