

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070122\
 Data File : BG054199.D
 Acq On : 1 Jul 2022 20:14
 Operator : CG/JU
 Sample : N3564-21
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-16-2-5

Manual Integrations
 APPROVED

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

Quant Time: Jul 01 23:35:41 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	8.076	152	21002	20.000	ng	0.00
21) Naphthalene-d8	10.884	136	80571	20.000	ng	0.00
39) Acenaphthene-d10	14.709	164	51358	20.000	ng	0.01
64) Phenanthrene-d10	17.465	188	110104	20.000	ng	# 0.02
76) Chrysene-d12	21.771	240	129317	20.000	ng	# 0.05
86) Perylene-d12	25.097	264	139524	20.000	ng	# 0.13
System Monitoring Compounds						
5) 2-Fluorophenol	5.643	112	101886	92.752	ng	0.00
7) Phenol-d6	7.235	99	138525	92.959	ng	0.00
23) Nitrobenzene-d5	9.233	82	96157	67.067	ng	0.00
42) 2,4,6-Tribromophenol	16.201	330	86859	105.264	ng	0.02
45) 2-Fluorobiphenyl	13.328	172	248935	70.483	ng	0.00
79) Terphenyl-d14	20.085	244	424980	66.190	ng	0.04
Target Compounds						Qvalue
31) Naphthalene	10.937	128	8717	2.143	ng	# 85
71) Phenanthrene	17.506	178	36841	6.513	ng	# 44
75) Fluoranthene	19.527	202	41583	5.600	ng	# 29
78) Pyrene	19.897	202	87047	11.145	ng	# 56
81) Benzo(a)anthracene	21.754	228	50808	6.068	ng	# 16
83) Chrysene	21.824	228	140904m	17.654	ng	
87) Indeno(1,2,3-cd)pyrene	28.886	276	40539	3.850	ng	# 78
88) Benzo(b)fluoranthene	24.039	252	67193	7.921	ng	# 8
90) Benzo(a)pyrene	24.938	252	76977	10.754	ng	# 42
91) Dibenzo(a,h)anthracene	28.928	278	38429	4.414	ng	# 22
92) Benzo(g,h,i)perylene	30.079	276	66961	7.793	ng	# 79

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

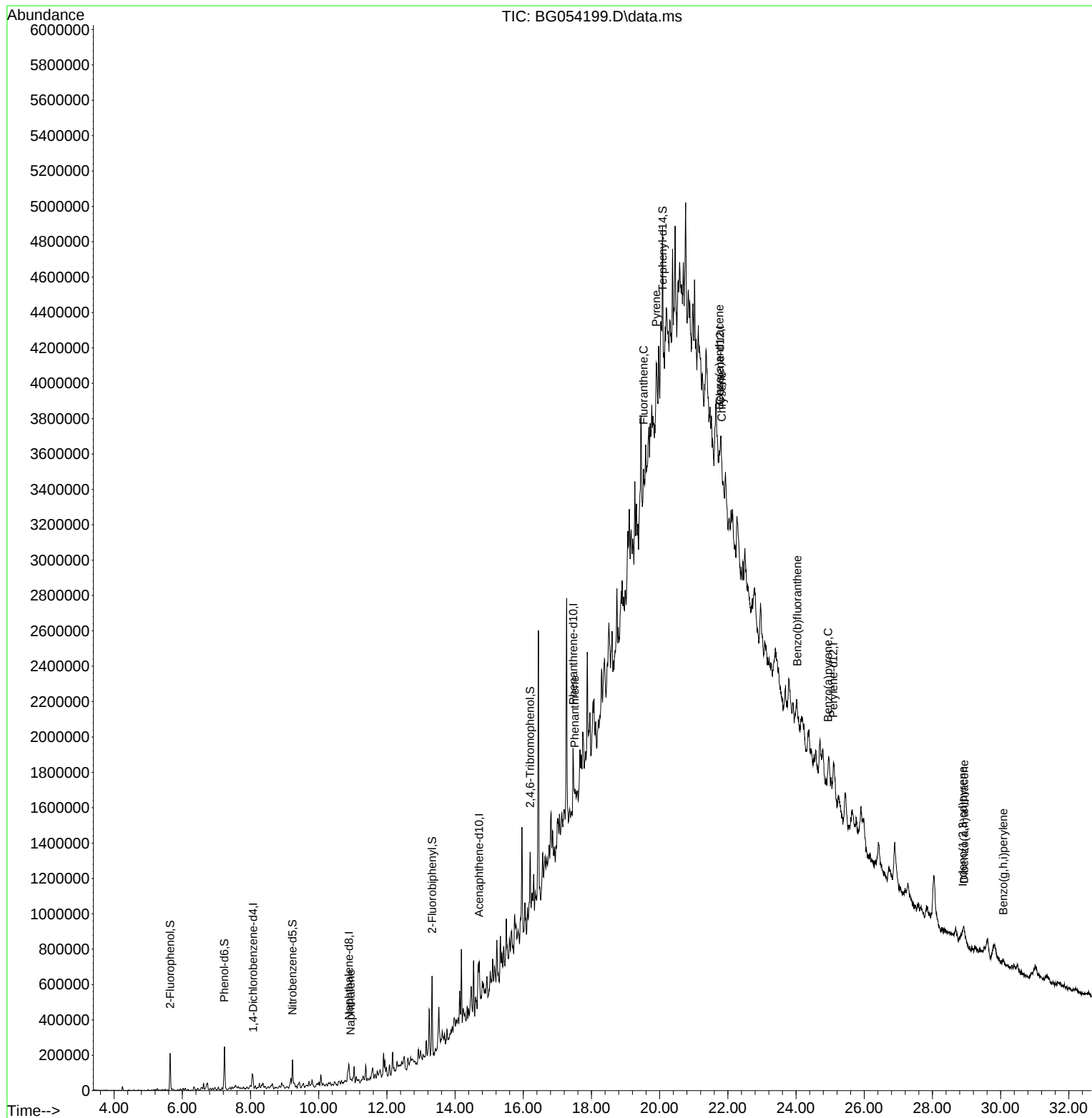
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070122\
Data File : BG054199.D
Acq On : 1 Jul 2022 20:14
Operator : CG/JU
Sample : N3564-21
Misc :
ALS Vial : 16 Sample Multiplier: 1

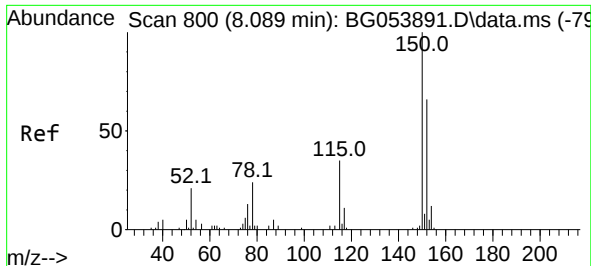
Instrument :
BNA_G
ClientSampleId :
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Quant Time: Jul 01 23:35:41 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
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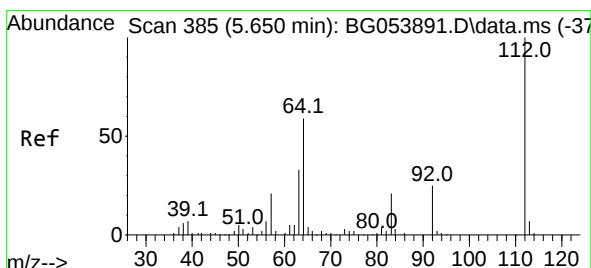
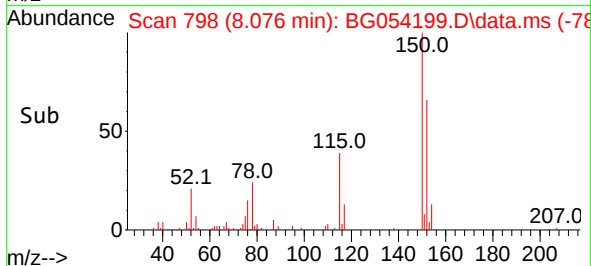
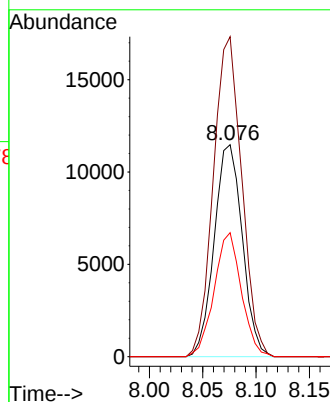
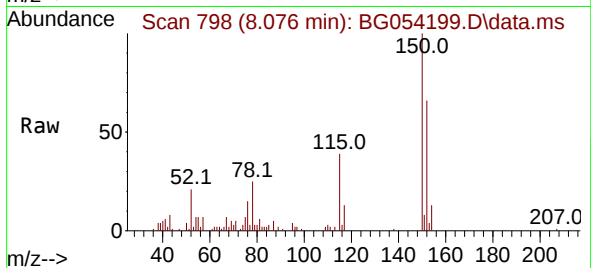
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.076 min Scan# 79
Delta R.T. 0.006 min
Lab File: BG054199.D
Acq: 1 Jul 2022 20:14

Instrument :
BNA_G
ClientSampleId :
WC-16-2-5

Tgt Ion:152 Resp: 2100
Ion Ratio Lower Upper
152 100
150 151.0 131.6 197.4
115 58.5 50.9 76.3

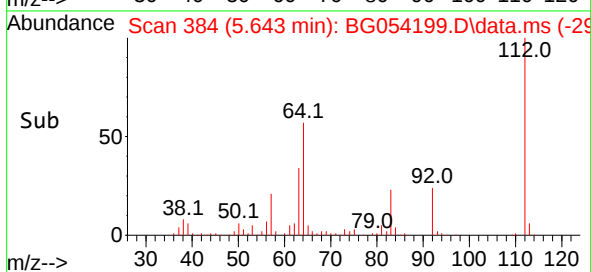
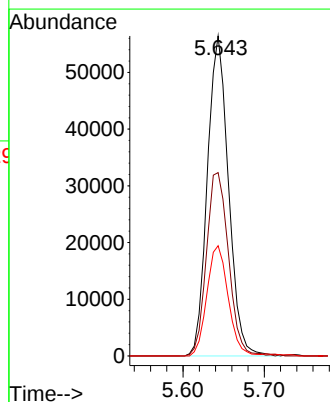
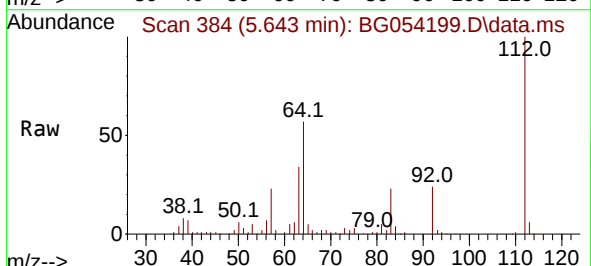
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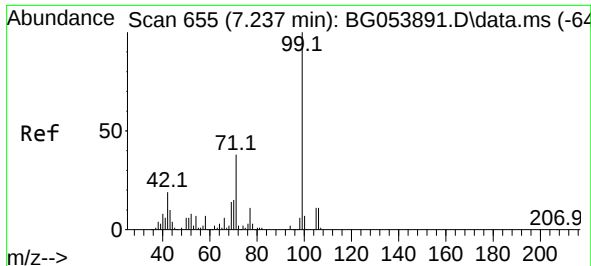
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022



#5
2-Fluorophenol
Concen: 92.752 ng
RT: 5.643 min Scan# 384
Delta R.T. 0.005 min
Lab File: BG054199.D
Acq: 1 Jul 2022 20:14

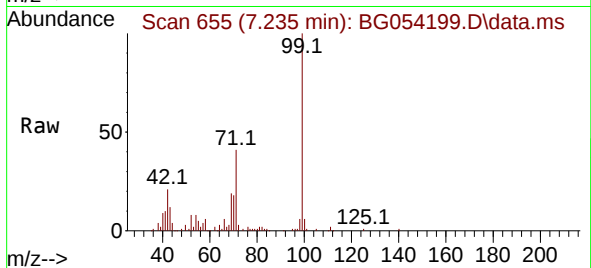
Tgt Ion:112 Resp: 101886
Ion Ratio Lower Upper
112 100
64 57.3 55.1 82.7
63 34.4 30.4 45.6





#7
Phenol-d6
Concen: 92.959 ng
RT: 7.235 min Scan# 61
Delta R.T. 0.005 min
Lab File: BG054199.D
Acq: 1 Jul 2022 20:14

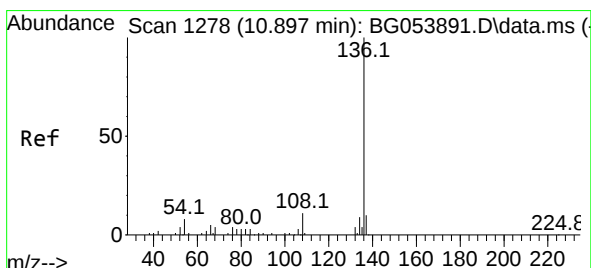
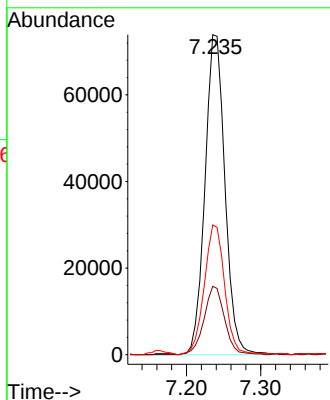
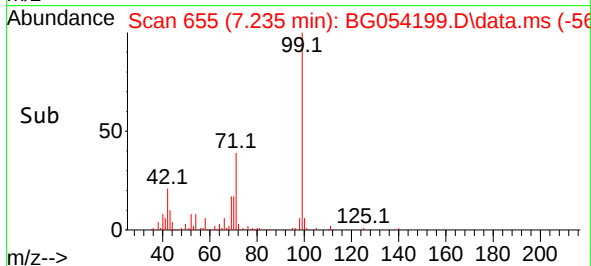
Instrument :
BNA_G
ClientSampleId :
WC-16-2-5



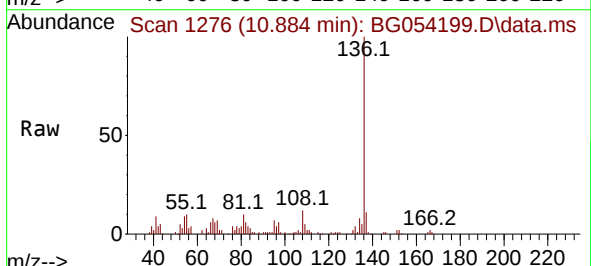
Tgt Ion: 99 Resp: 138529
Ion Ratio Lower Upper
99 100
42 21.4 17.0 25.6
71 40.5 33.8 50.8

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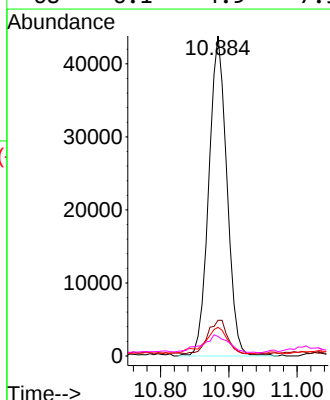
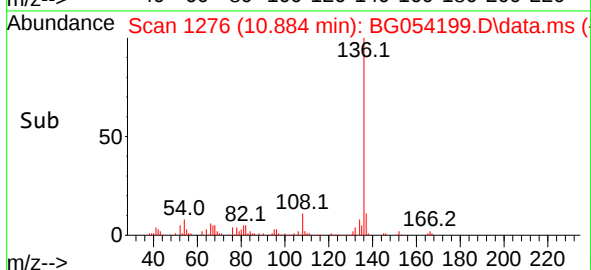
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

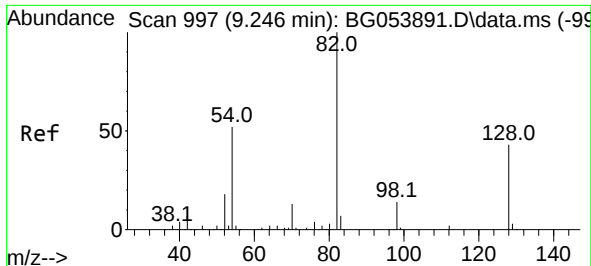


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.884 min Scan# 1276
Delta R.T. 0.005 min
Lab File: BG054199.D
Acq: 1 Jul 2022 20:14



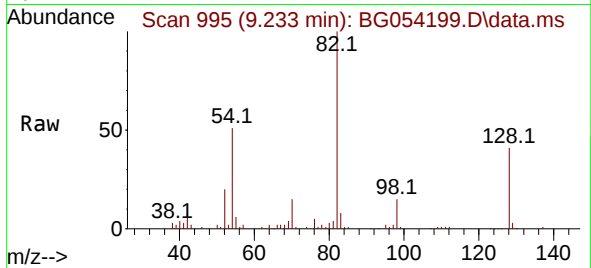
Tgt Ion:136 Resp: 80571
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 8.9 7.4 11.2
68 6.1 4.9 7.3





#23
Nitrobenzene-d5
Concen: 67.067 ng
RT: 9.233 min Scan# 995
Delta R.T. -0.001 min
Lab File: BG054199.D
Acq: 1 Jul 2022 20:14

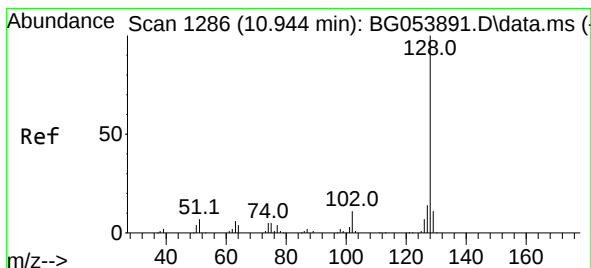
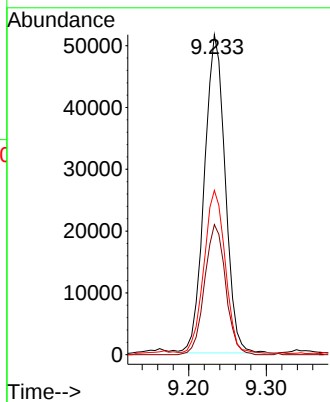
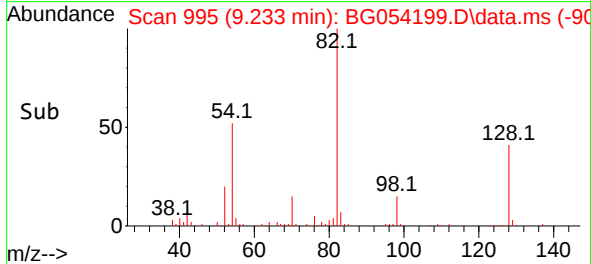
Instrument :
BNA_G
ClientSampleId :
WC-16-2-5



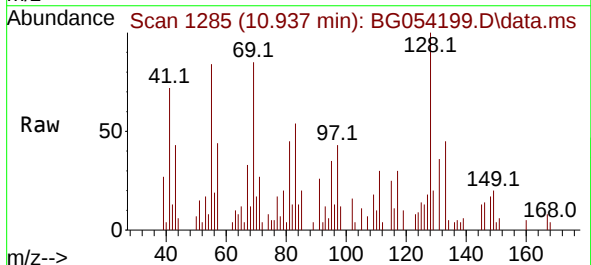
Tgt Ion: 82 Resp: 9615
Ion Ratio Lower Upper
82 100
128 40.6 27.9 41.9
54 51.4 41.2 61.8

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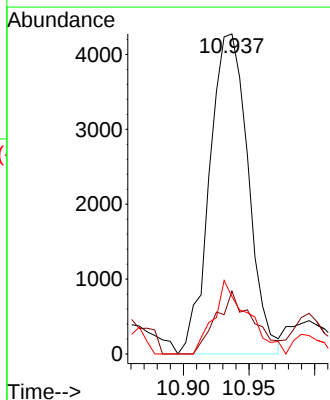
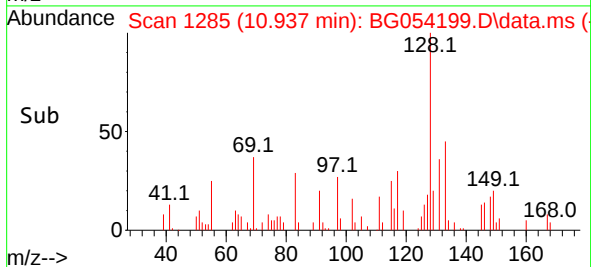
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

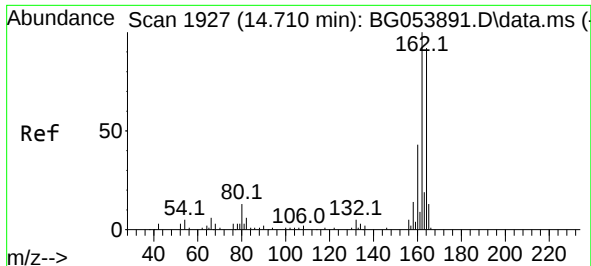


#31
Naphthalene
Concen: 2.143 ng
RT: 10.937 min Scan# 1285
Delta R.T. 0.005 min
Lab File: BG054199.D
Acq: 1 Jul 2022 20:14



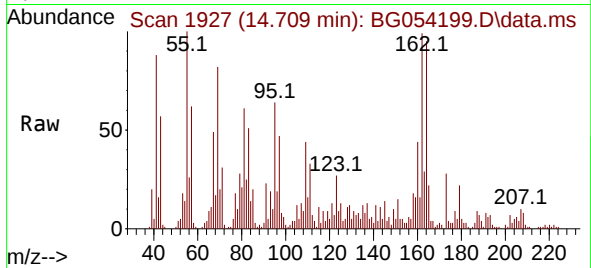
Tgt Ion:128 Resp: 8717
Ion Ratio Lower Upper
128 100
129 19.6 9.0 13.6#
127 17.9 11.1 16.7#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.709 min Scan# 1927
Delta R.T. 0.011 min
Lab File: BG054199.D
Acq: 1 Jul 2022 20:14

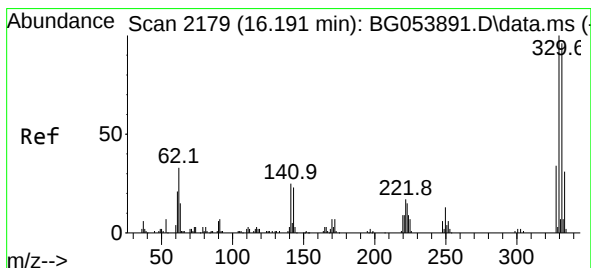
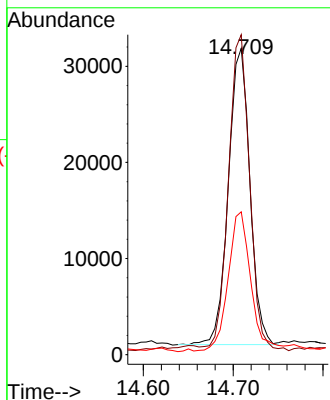
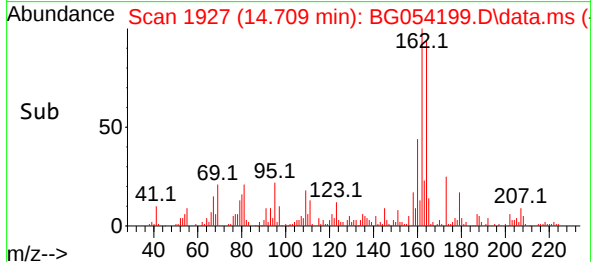
Instrument :
BNA_G
ClientSampleId :
WC-16-2-5



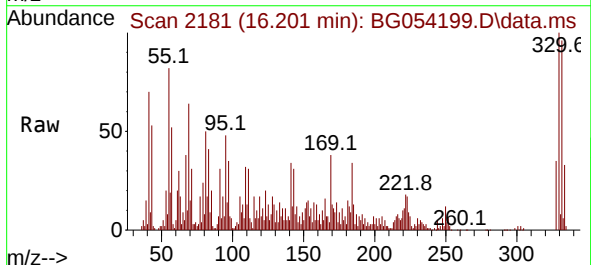
Tgt Ion:164 Resp: 51358
Ion Ratio Lower Upper
164 100
162 104.4 82.3 123.5
160 46.6 34.2 51.2

Manual Integrations
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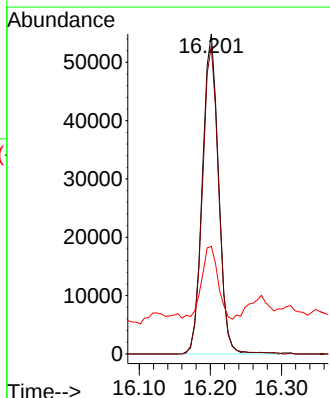
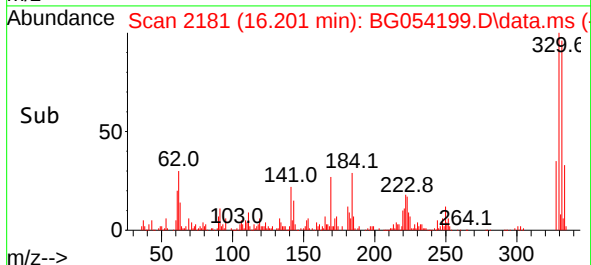
Reviewed By :Christian Giraldo 07/05/2022
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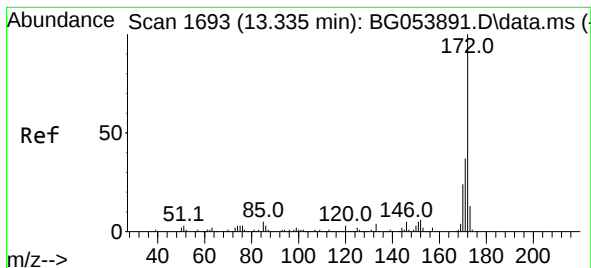


#42
2,4,6-Tribromophenol
Concen: 105.264 ng
RT: 16.201 min Scan# 2181
Delta R.T. 0.017 min
Lab File: BG054199.D
Acq: 1 Jul 2022 20:14



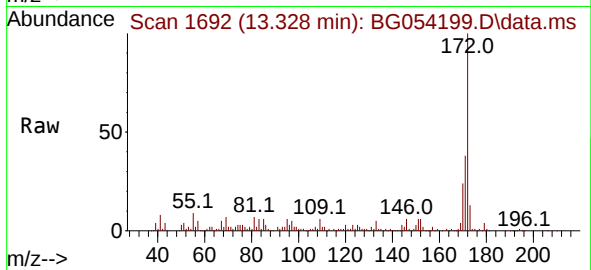
Tgt Ion:330 Resp: 86859
Ion Ratio Lower Upper
330 100
332 96.7 76.0 114.0
141 22.5 27.1 40.7#





#45
2-Fluorobiphenyl
Concen: 70.483 ng
RT: 13.328 min Scan# 1692
Delta R.T. 0.005 min
Lab File: BG054199.D
Acq: 1 Jul 2022 20:14

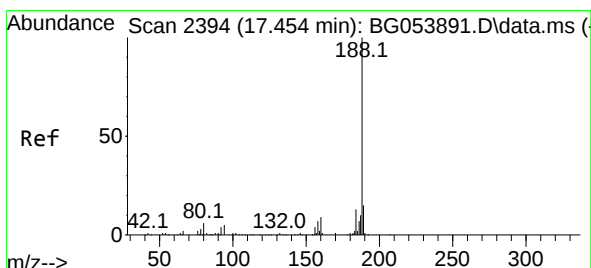
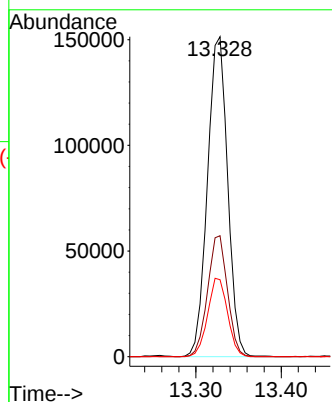
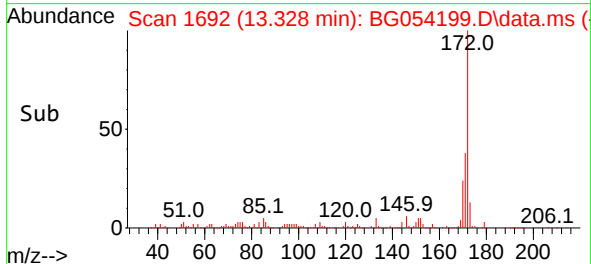
Instrument :
BNA_G
ClientSampleId :
WC-16-2-5



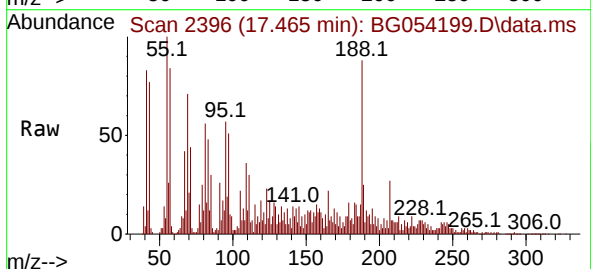
Tgt Ion:172 Resp: 248935
Ion Ratio Lower Upper
172 100
171 37.8 28.5 42.7
170 24.0 18.9 28.3

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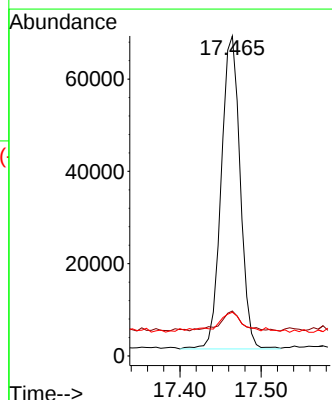
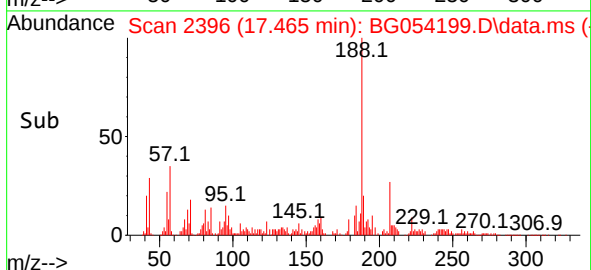
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

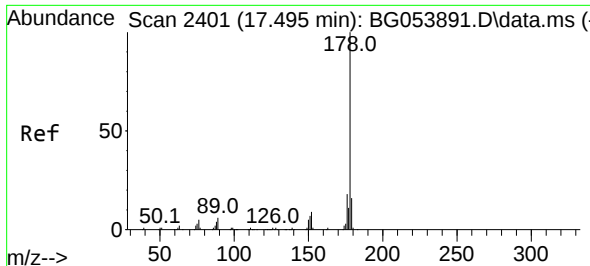


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.465 min Scan# 2396
Delta R.T. 0.023 min
Lab File: BG054199.D
Acq: 1 Jul 2022 20:14



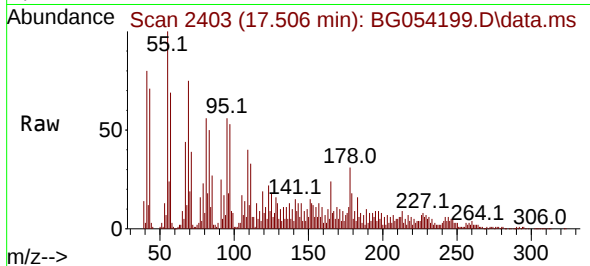
Tgt Ion:188 Resp: 110104
Ion Ratio Lower Upper
188 100
94 14.1 5.4 8.0#
80 13.7 6.8 10.2#





#71
Phenanthrene
Concen: 6.513 ng
RT: 17.506 min Scan# 2403
Delta R.T. 0.023 min
Lab File: BG054199.D
Acq: 1 Jul 2022 20:14

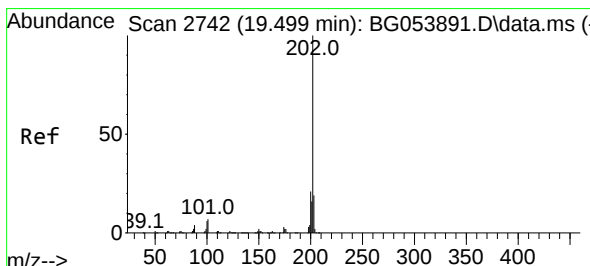
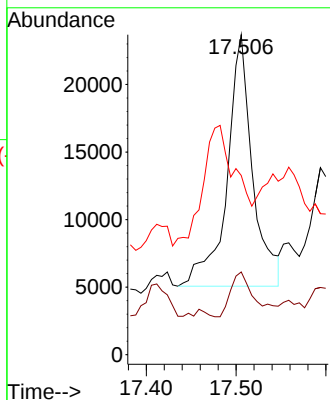
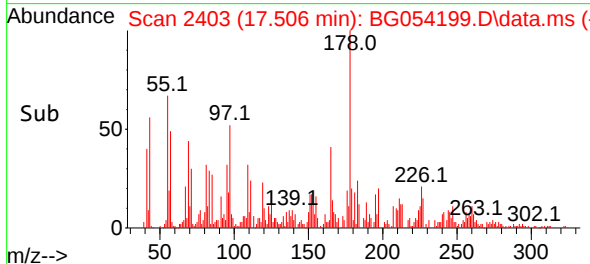
Instrument :
BNA_G
ClientSampleId :
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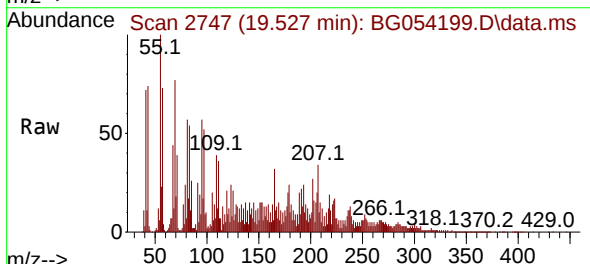
Tgt Ion:178 Resp: 3684
Ion Ratio Lower Upper
178 100
176 25.9 14.1 21.1
179 56.0 12.1 18.1

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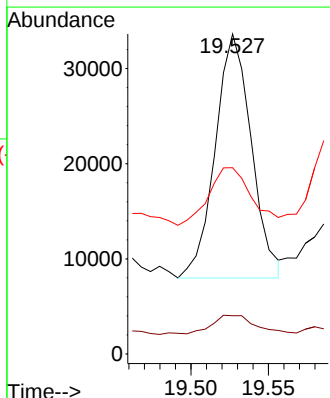
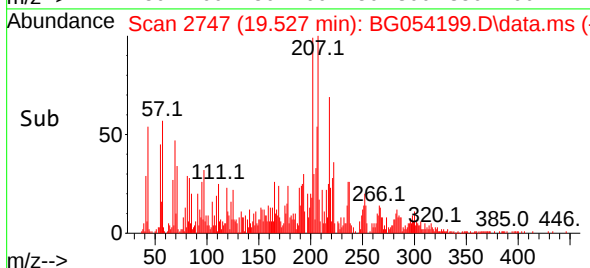
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

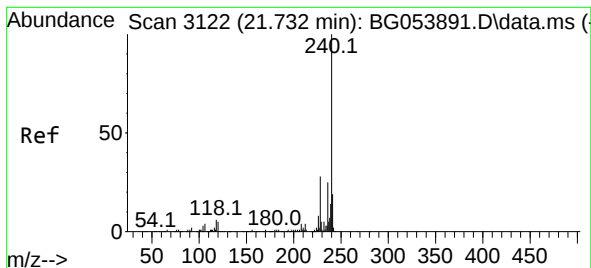


#75
Fluoranthene
Concen: 5.600 ng
RT: 19.527 min Scan# 2747
Delta R.T. 0.035 min
Lab File: BG054199.D
Acq: 1 Jul 2022 20:14



Tgt Ion:202 Resp: 41583
Ion Ratio Lower Upper
202 100
101 12.0 0.0 26.9
203 58.2 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.771 min Scan# 3129

Delta R.T. 0.052 min

Lab File: BG054199.D

Acq: 1 Jul 2022 20:14

Instrument :

BNA_G

ClientSampleId :

WC-16-2-5

Tgt Ion:240 Resp: 12931

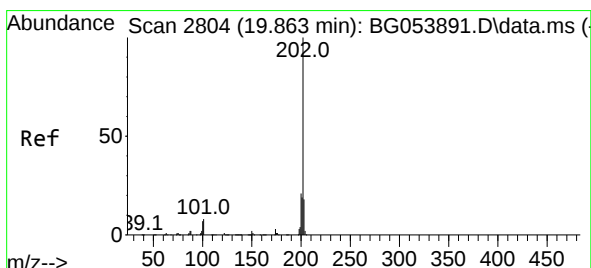
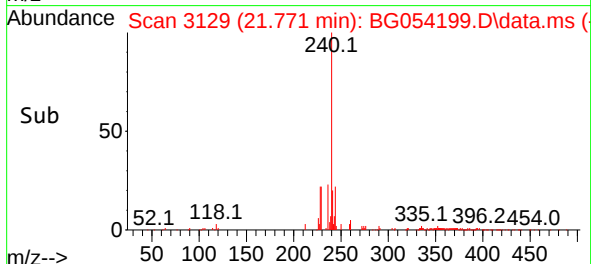
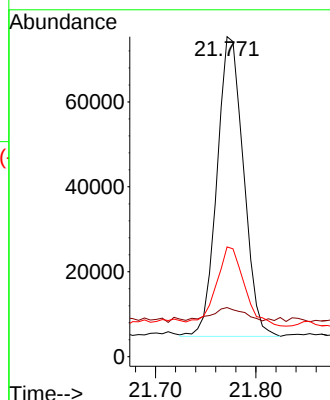
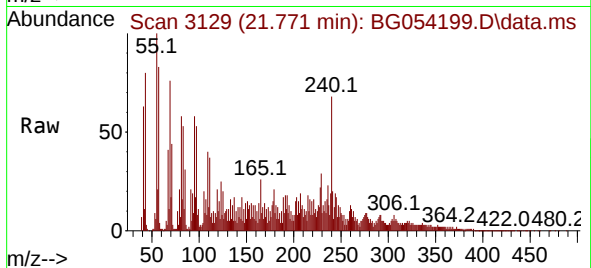
Ion	Ratio	Lower	Upper
240	100		
120	15.4	4.6	7.0
236	34.3	20.2	30.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 07/05/2022



#78

Pyrene

Concen: 11.145 ng

RT: 19.897 min Scan# 2810

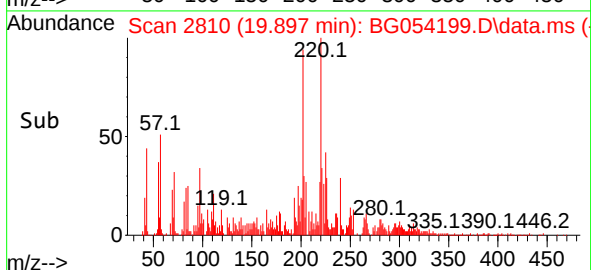
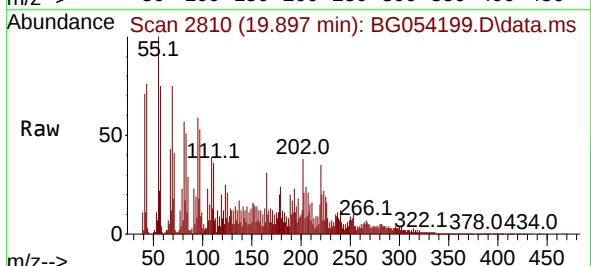
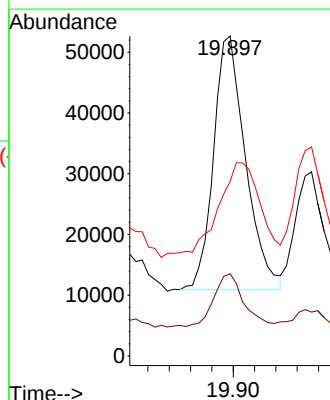
Delta R.T. 0.046 min

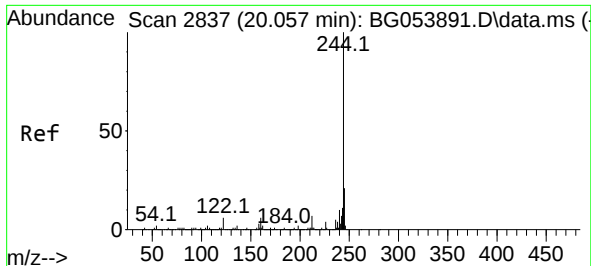
Lab File: BG054199.D

Acq: 1 Jul 2022 20:14

Tgt Ion:202 Resp: 87047

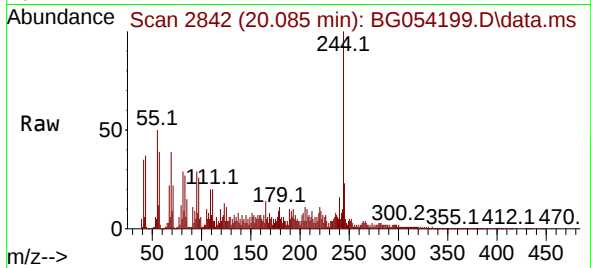
Ion	Ratio	Lower	Upper
202	100		
200	25.7	16.6	24.8
203	54.5	14.6	21.8





#79
 Terphenyl-d14
 Concen: 66.190 ng
 RT: 20.085 min Scan# 21
 Delta R.T. 0.040 min
 Lab File: BG054199.D
 Acq: 1 Jul 2022 20:14

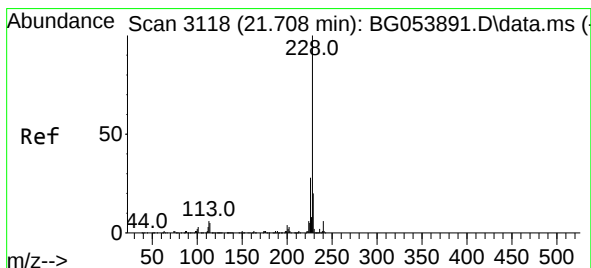
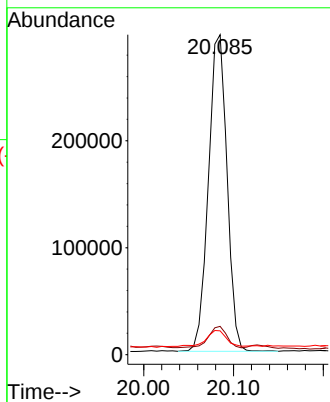
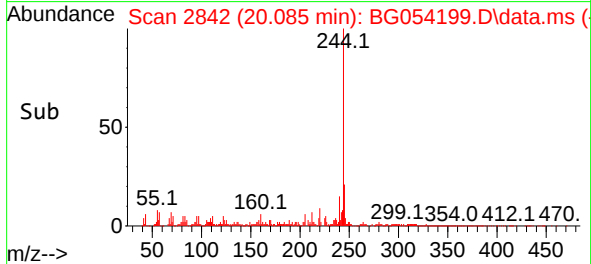
Instrument :
 BNA_G
 ClientSampleId :
 WC-16-2-5



Tgt Ion:244 Resp: 424980
 Ion Ratio Lower Upper
 244 100
 212 8.9 6.5 9.7
 122 7.5 5.0 7.4

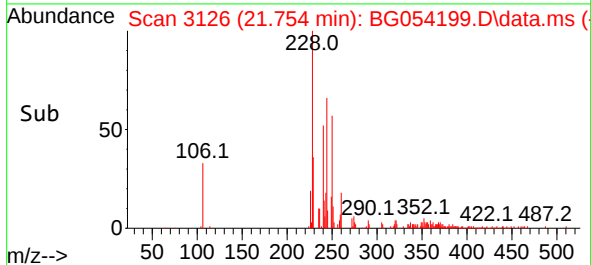
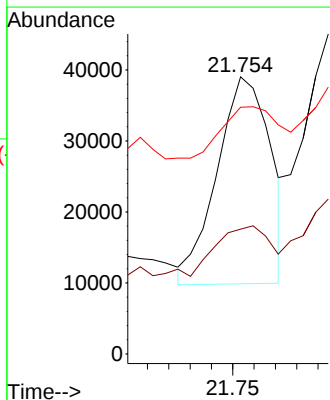
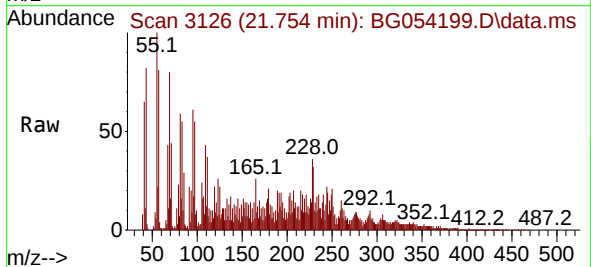
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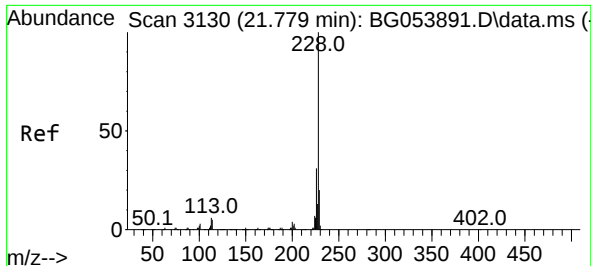
Reviewed By :Christian Giraldo 07/05/2022
 Supervised By :Jagrut Upadhyay 07/05/2022



#81
 Benzo(a)anthracene
 Concen: 6.068 ng
 RT: 21.754 min Scan# 3126
 Delta R.T. 0.058 min
 Lab File: BG054199.D
 Acq: 1 Jul 2022 20:14

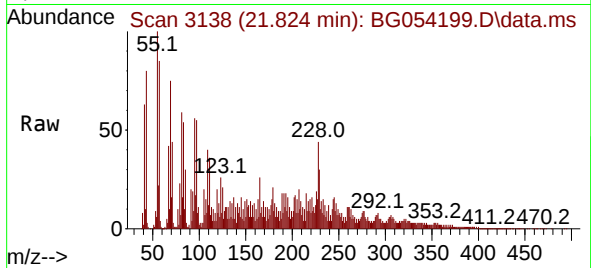
Tgt Ion:228 Resp: 50808
 Ion Ratio Lower Upper
 228 100
 226 45.0 21.6 32.4#
 229 89.0 16.2 24.2#





#83
Chrysene
Concen: 17.654 ng m
RT: 21.824 min Scan# 3130
Delta R.T. 0.064 min
Lab File: BG054199.D
Acq: 1 Jul 2022 20:14

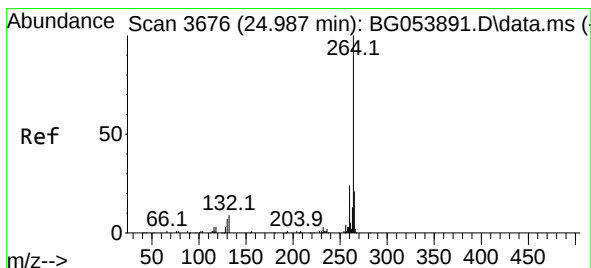
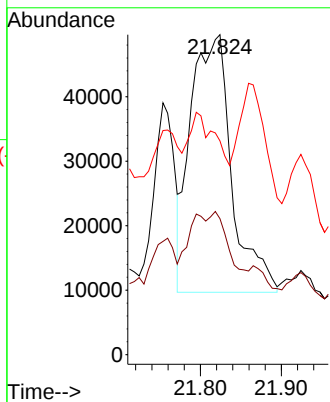
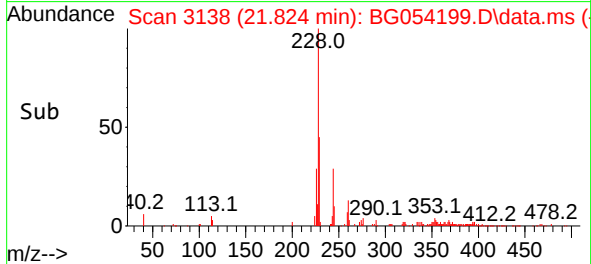
Instrument :
BNA_G
ClientSampleId :
WC-16-2-5



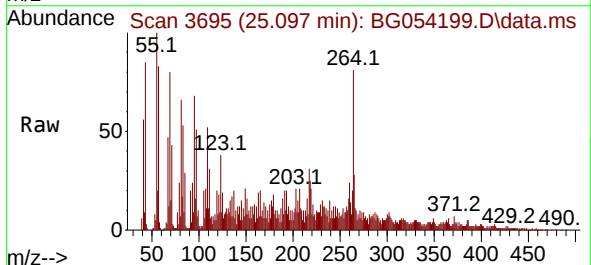
Tgt Ion:228 Resp: 140904
Ion Ratio Lower Upper
228 100
226 42.5 23.4 35.2#
229 66.8 15.5 23.3#

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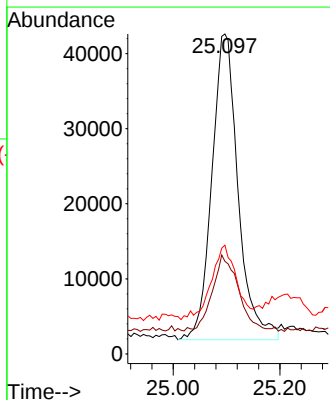
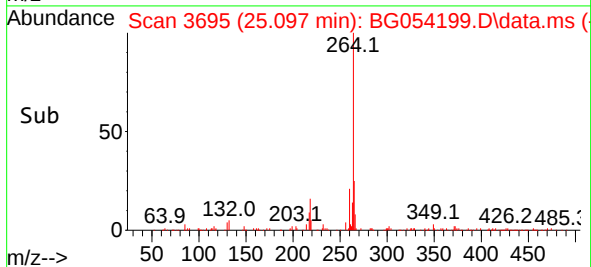
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

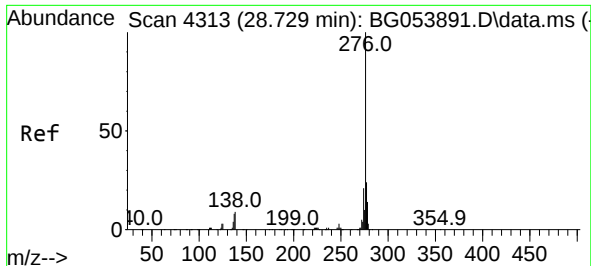


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.097 min Scan# 3695
Delta R.T. 0.134 min
Lab File: BG054199.D
Acq: 1 Jul 2022 20:14



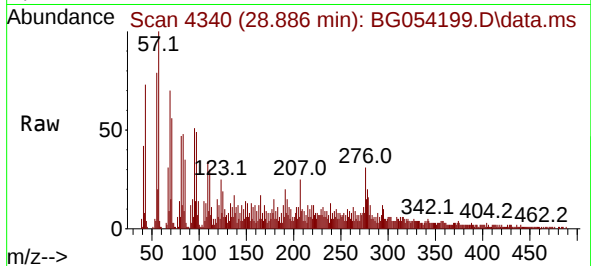
Tgt Ion:264 Resp: 139524
Ion Ratio Lower Upper
264 100
260 28.9 19.0 28.6#
265 34.0 17.4 26.2#





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.850 ng
RT: 28.886 min Scan# 4313
Delta R.T. 0.199 min
Lab File: BG054199.D
Acq: 1 Jul 2022 20:14

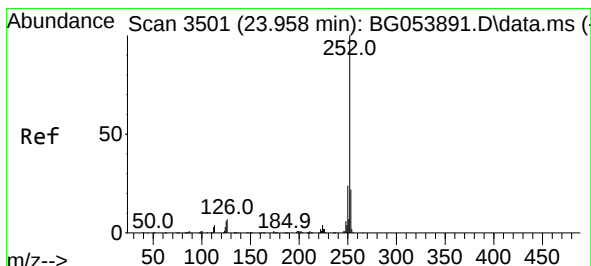
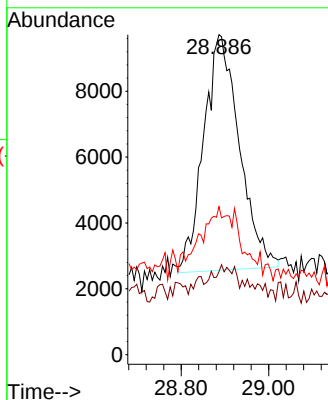
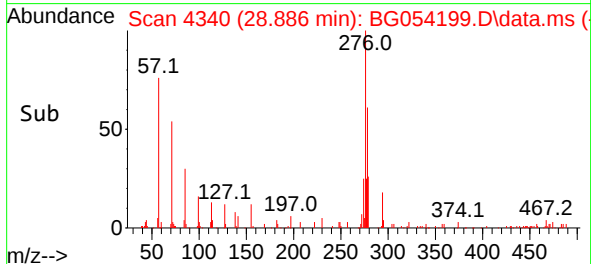
Instrument :
BNA_G
ClientSampleId :
WC-16-2-5



Tgt Ion:276 Resp: 40539
Ion Ratio Lower Upper
276 100
138 4.0 5.0 7.4#
277 12.5 20.3 30.5#

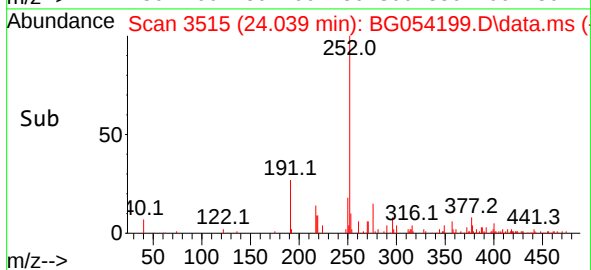
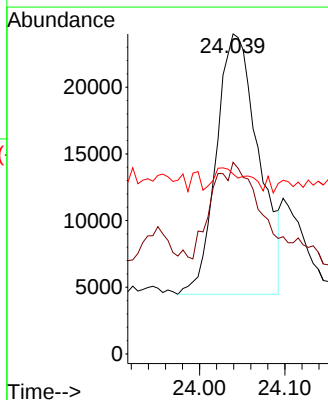
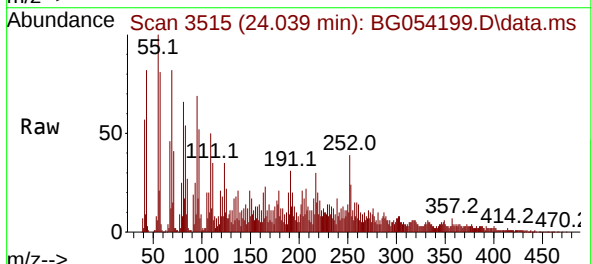
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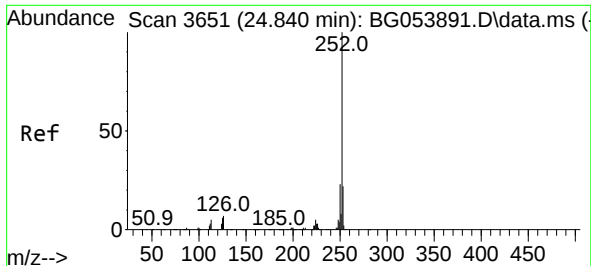
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022



#88
Benzo(b)fluoranthene
Concen: 7.921 ng
RT: 24.039 min Scan# 3515
Delta R.T. 0.105 min
Lab File: BG054199.D
Acq: 1 Jul 2022 20:14

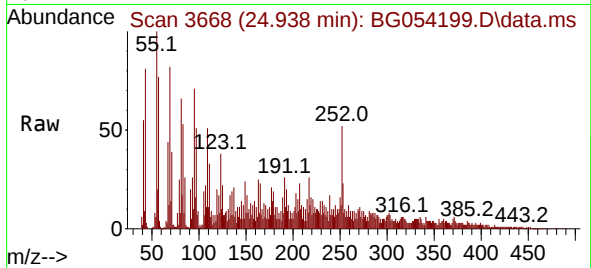
Tgt Ion:252 Resp: 67193
Ion Ratio Lower Upper
252 100
253 59.9 18.0 27.0#
125 56.2 4.6 6.8#





#90
Benzo(a)pyrene
Concen: 10.754 ng
RT: 24.938 min Scan# 30
Delta R.T. 0.123 min
Lab File: BG054199.D
Acq: 1 Jul 2022 20:14

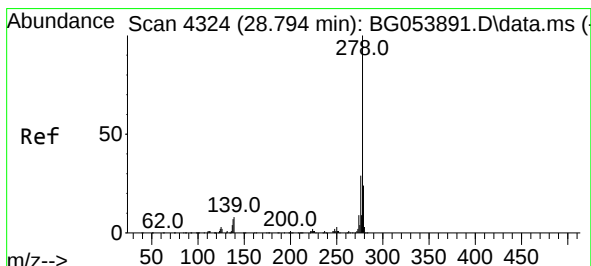
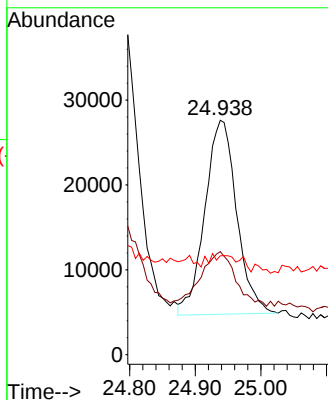
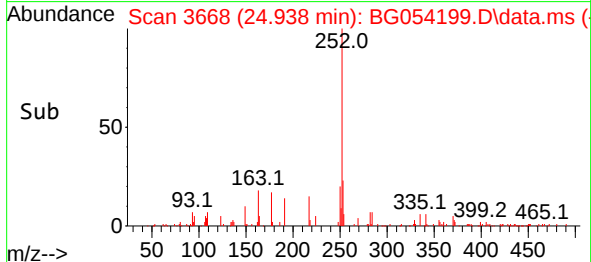
Instrument :
BNA_G
ClientSampleId :
WC-16-2-5



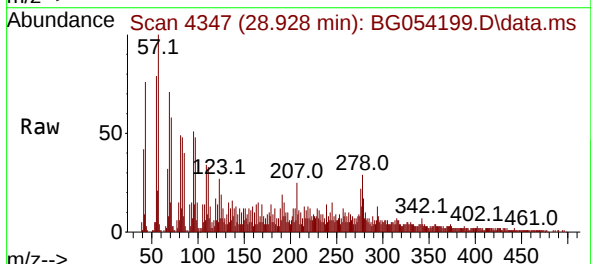
Tgt Ion:252 Resp: 7697
Ion Ratio Lower Upper
252 100
253 44.0 17.8 26.8#
125 42.2 4.3 6.5#

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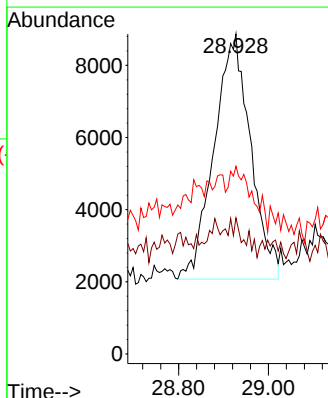
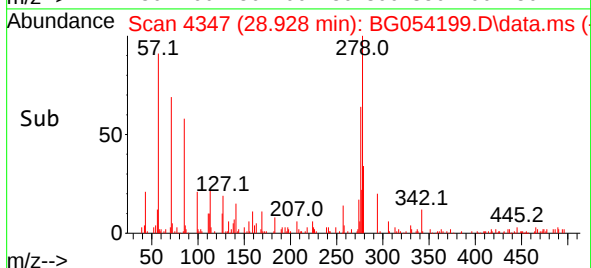
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

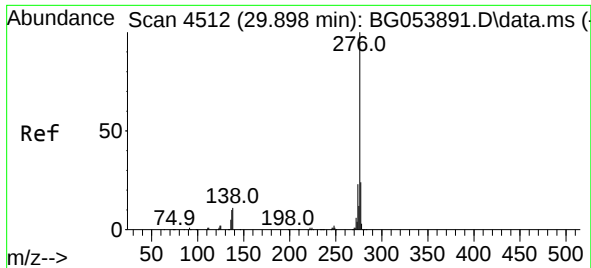


#91
Dibenzo(a,h)anthracene
Concen: 4.414 ng
RT: 28.928 min Scan# 4347
Delta R.T. 0.181 min
Lab File: BG054199.D
Acq: 1 Jul 2022 20:14



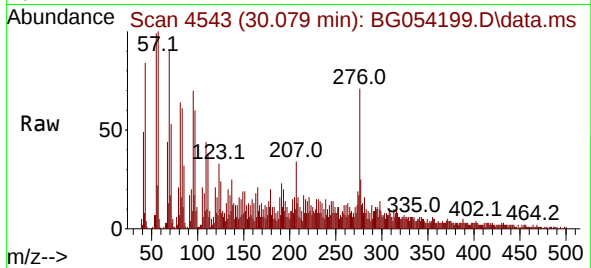
Tgt Ion:278 Resp: 38429
Ion Ratio Lower Upper
278 100
139 42.5 7.2 10.8#
279 58.7 18.6 27.8#





#92
Benzo(g,h,i)perylene
Concen: 7.793 ng
RT: 30.079 min Scan# 4512
Delta R.T. 0.217 min
Lab File: BG054199.D
Acq: 1 Jul 2022 20:14

Instrument :
BNA_G
ClientSampleId :
WC-16-2-5



Tgt Ion:276 Resp: 6696
Ion Ratio Lower Upper
276 100
277 34.5 17.3 25.9
138 16.2 9.6 14.4

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

