

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070122\
 Data File : BG054194.D
 Acq On : 1 Jul 2022 16:56
 Operator : CG/JU
 Sample : N3564-11
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-14B-11-3

Manual Integrations
 APPROVED

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

Quant Time: Jul 01 23:34:45 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	8.072	152	20025	20.000	ng	0.00
21) Naphthalene-d8	10.886	136	70567	20.000	ng	# 0.00
39) Acenaphthene-d10	14.705	164	53458	20.000	ng	0.00
64) Phenanthrene-d10	17.455	188	116950	20.000	ng	# 0.01
76) Chrysene-d12	21.733	240	138406	20.000	ng	# 0.01
86) Perylene-d12	25.029	264	150342	20.000	ng	0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.640	112	89020	84.993	ng	0.00
7) Phenol-d6	7.232	99	114353	80.482	ng	0.00
23) Nitrobenzene-d5	9.230	82	109135	86.910	ng	0.00
42) 2,4,6-Tribromophenol	16.198	330	85925	100.041	ng	0.01
45) 2-Fluorobiphenyl	13.325	172	222653	60.565	ng	0.00
79) Terphenyl-d14	20.058	244	441795	64.290	ng	0.01
Target Compounds						Qvalue
37) 2-Methylnaphthalene	12.537	142	26606m	10.094	ng	
38) 1-Methylnaphthalene	12.761	142	163575	63.738	ng	# 99
58) Fluorene	15.751	166	38428	9.725	ng	# 72
71) Phenanthrene	17.496	178	135642	22.575	ng	# 90
72) Anthracene	17.584	178	19087	3.253	ng	# 55
75) Fluoranthene	19.517	202	27129	3.439	ng	# 45
78) Pyrene	19.870	202	55950	6.693	ng	# 71
81) Benzo(a)anthracene	21.715	228	24857	2.774	ng	# 43
83) Chrysene	21.780	228	42350	4.958	ng	# 53
88) Benzo(b)fluoranthene	23.977	252	22710m	2.484	ng	
90) Benzo(a)pyrene	24.864	252	17942	2.326	ng	# 1

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

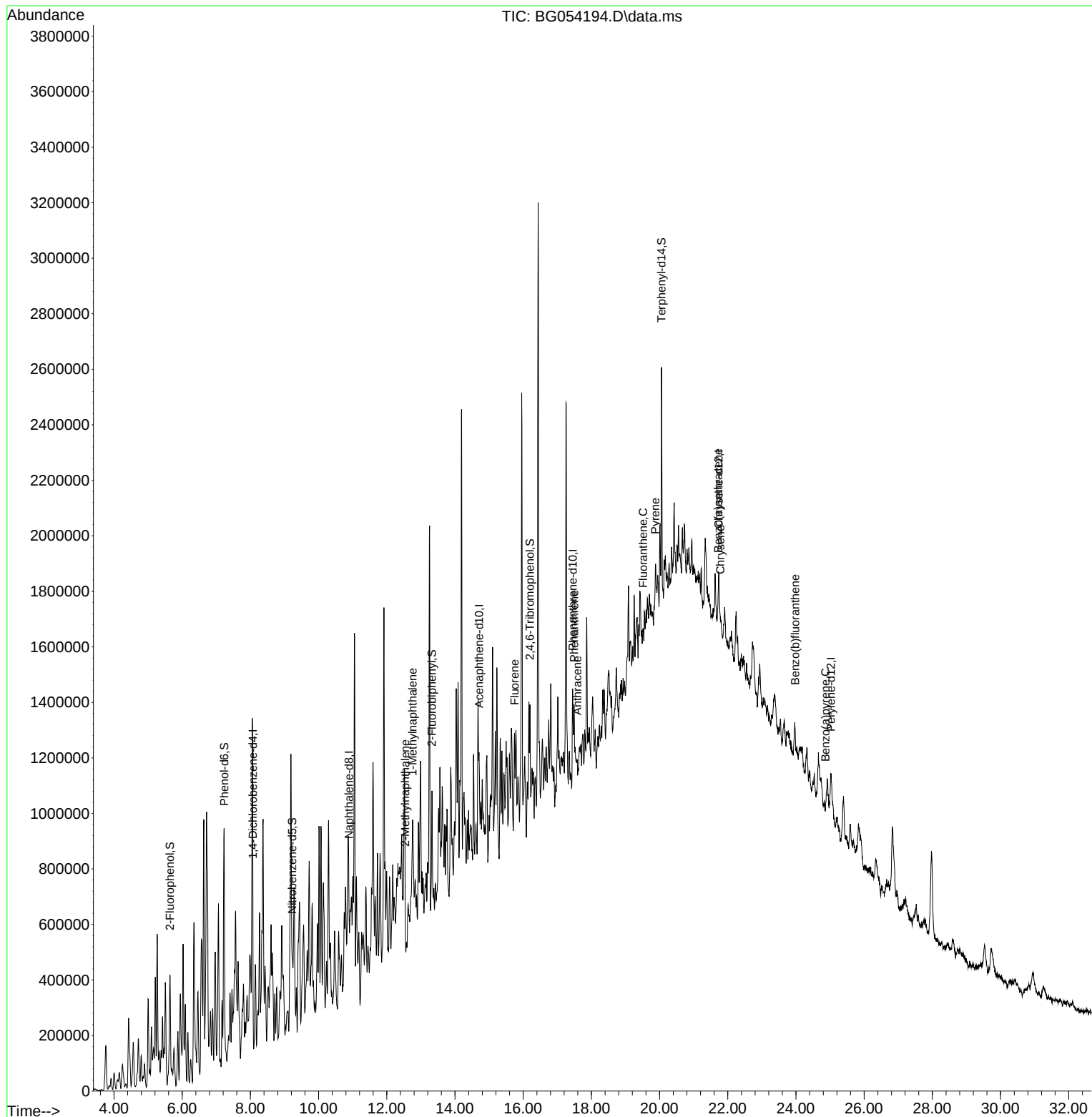
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070122\
Data File : BG054194.D
Acq On : 1 Jul 2022 16:56
Operator : CG/JU
Sample : N3564-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

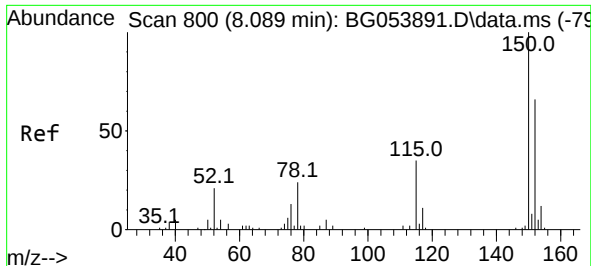
Instrument :
BNA_G
ClientSampleId :
WC-14B-11-3

Quant Time: Jul 01 23:34:45 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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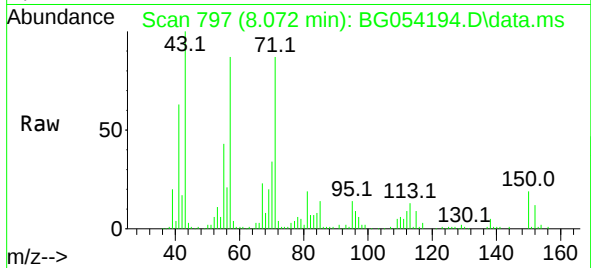
Reviewed By : Christian Giraldo 07/05/2022
Supervised By : Jagrut Upadhyay 07/05/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.072 min Scan# 79
Delta R.T. 0.002 min
Lab File: BG054194.D
Acq: 1 Jul 2022 16:56

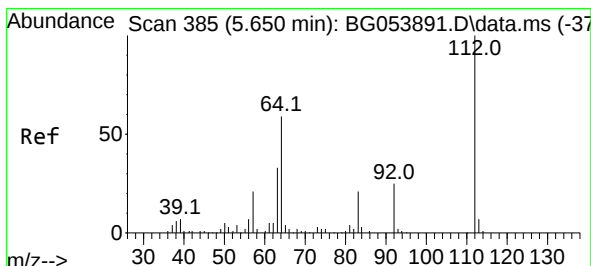
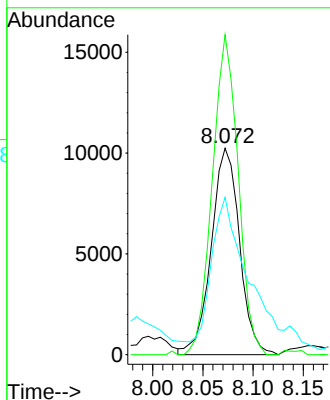
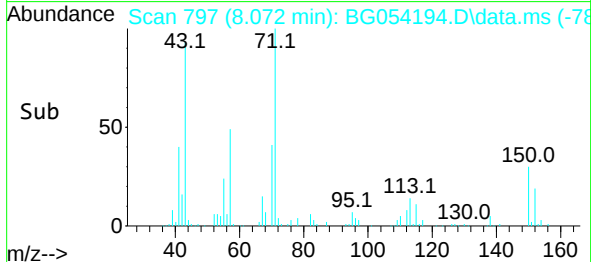
Instrument :
BNA_G
ClientSampleId :
WC-14B-11-3



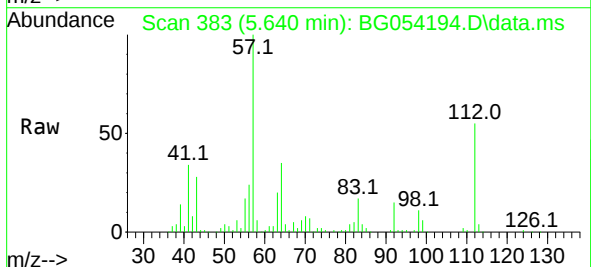
Tgt Ion:152 Resp: 2002
Ion Ratio Lower Upper
152 100
150 155.0 131.6 197.4
115 76.2 50.9 76.3

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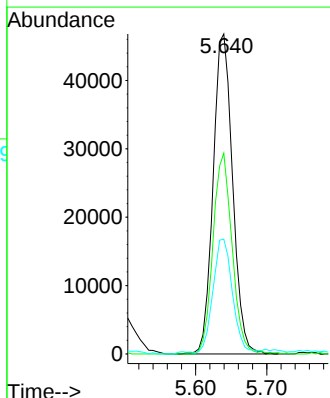
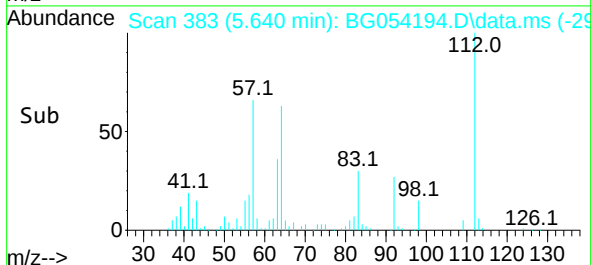
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

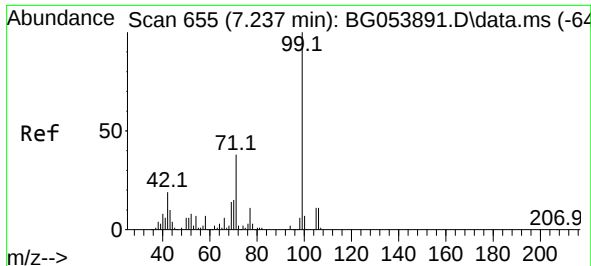


#5
2-Fluorophenol
Concen: 84.993 ng
RT: 5.640 min Scan# 383
Delta R.T. 0.002 min
Lab File: BG054194.D
Acq: 1 Jul 2022 16:56



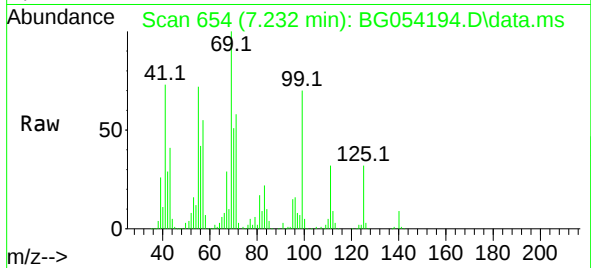
Tgt Ion:112 Resp: 89020
Ion Ratio Lower Upper
112 100
64 62.8 55.1 82.7
63 35.9 30.4 45.6





#7
Phenol-d6
Concen: 80.482 ng
RT: 7.232 min Scan# 61
Delta R.T. 0.002 min
Lab File: BG054194.D
Acq: 1 Jul 2022 16:56

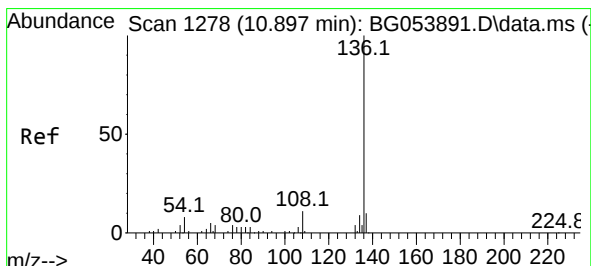
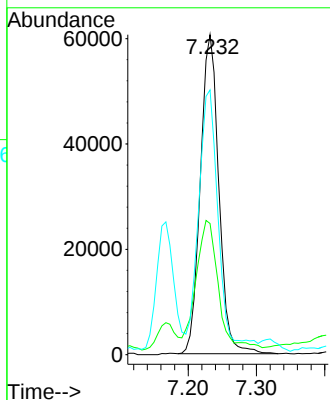
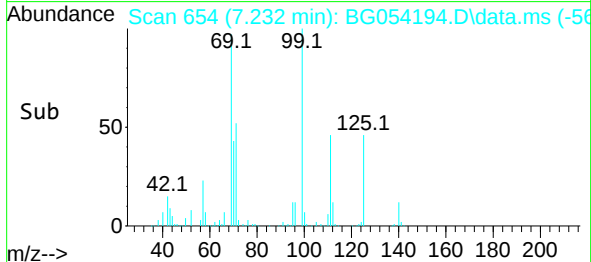
Instrument :
BNA_G
ClientSampleId :
WC-14B-11-3



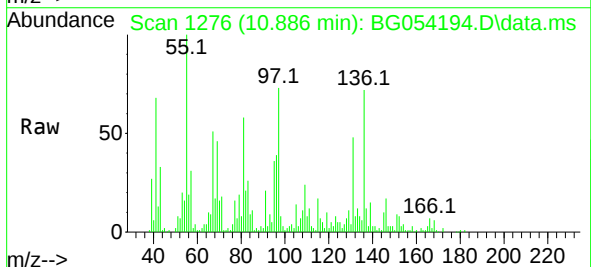
Tgt Ion: 99 Resp: 11435
Ion Ratio Lower Upper
99 100
42 41.0 17.0 25.6#
71 82.8 33.8 50.8#

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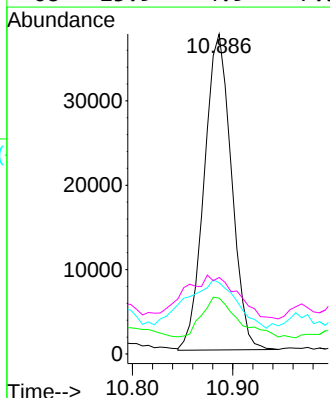
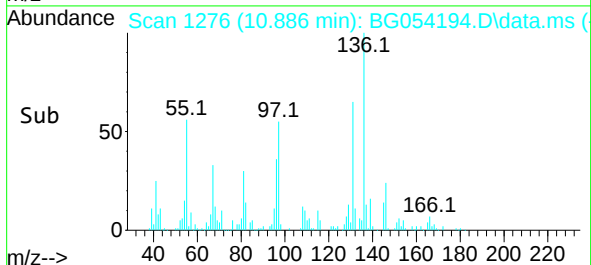
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

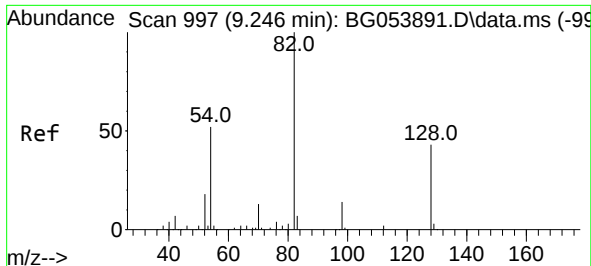


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.886 min Scan# 1276
Delta R.T. 0.008 min
Lab File: BG054194.D
Acq: 1 Jul 2022 16:56



Tgt Ion:136 Resp: 70567
Ion Ratio Lower Upper
136 100
137 17.5 8.5 12.7#
54 22.2 7.4 11.2#
68 23.9 4.9 7.3#





#23
Nitrobenzene-d5
Concen: 86.910 ng
RT: 9.230 min Scan# 997
Delta R.T. -0.004 min
Lab File: BG054194.D
Acq: 1 Jul 2022 16:56

Instrument :

BNA_G

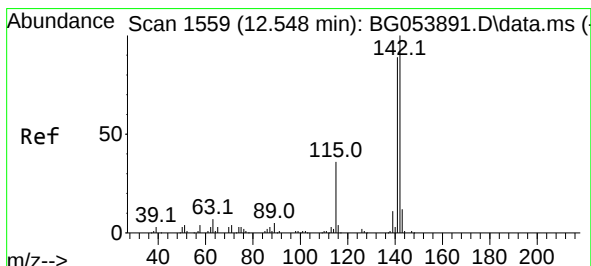
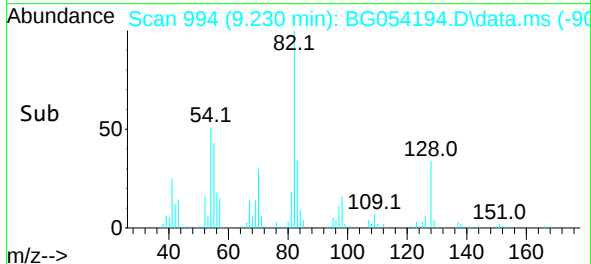
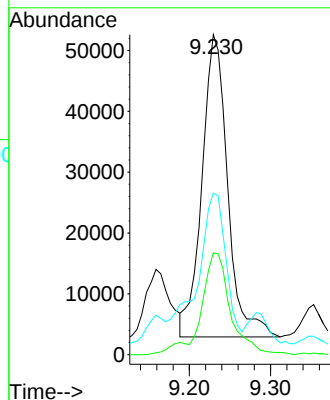
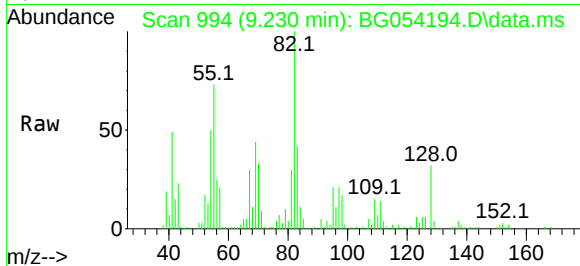
ClientSampleId :

WC-14B-11-3

Tgt Ion: 82 Resp: 10913
Ion Ratio Lower Upper
82 100
128 31.8 27.9 41.9
54 50.5 41.2 61.8

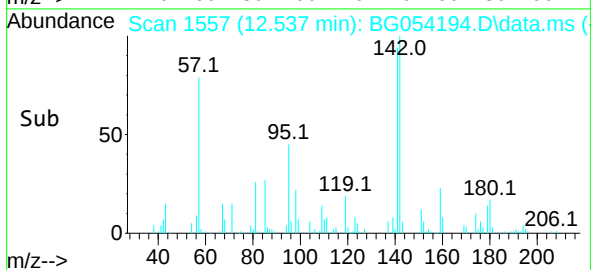
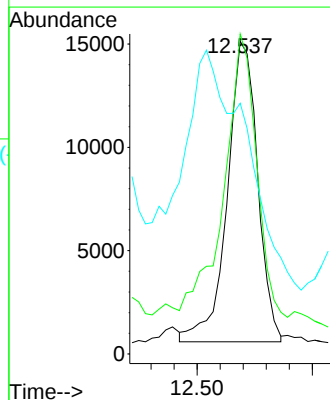
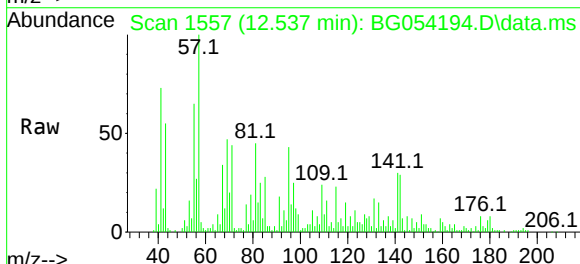
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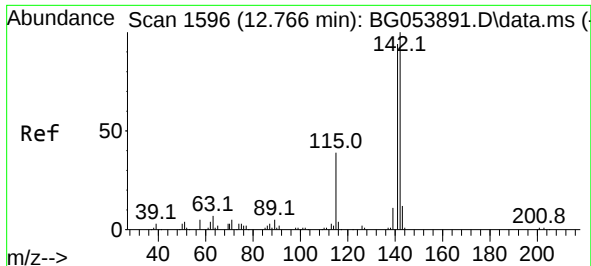
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022



#37
2-Methylnaphthalene
Concen: 10.094 ng m
RT: 12.537 min Scan# 1557
Delta R.T. 0.008 min
Lab File: BG054194.D
Acq: 1 Jul 2022 16:56

Tgt Ion:142 Resp: 26606
Ion Ratio Lower Upper
142 100
141 102.3 72.3 108.5
115 80.2 33.7 50.5#





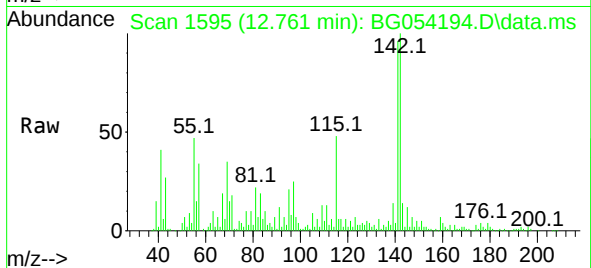
#38
1-Methylnaphthalene
Concen: 63.738 ng
RT: 12.761 min Scan# 1595
Delta R.T. 0.013 min
Lab File: BG054194.D
Acq: 1 Jul 2022 16:56

Instrument :

BNA_G

ClientSampleId :

WC-14B-11-3



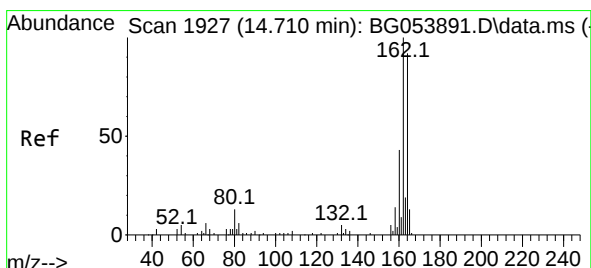
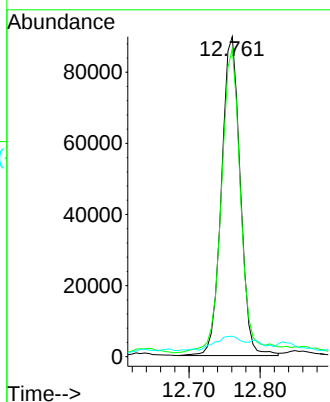
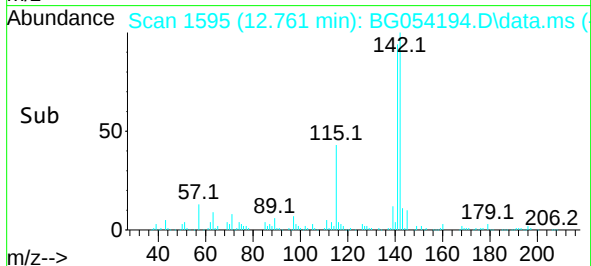
Tgt Ion:142 Resp: 163579
Ion Ratio Lower Upper
142 100
141 96.1 76.4 114.6
116 6.4 3.3 4.9

Manual Integrations

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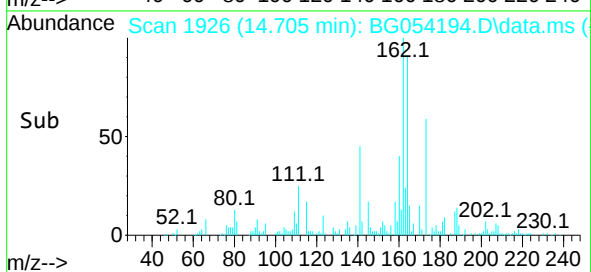
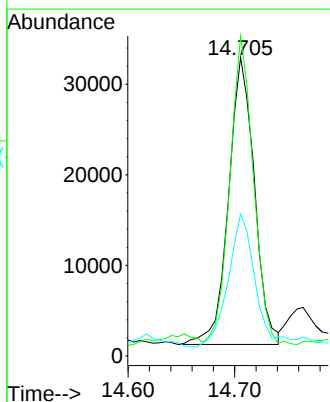
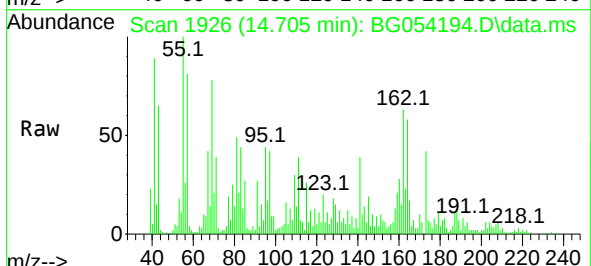
Reviewed By :Christian Giraldo 07/05/2022

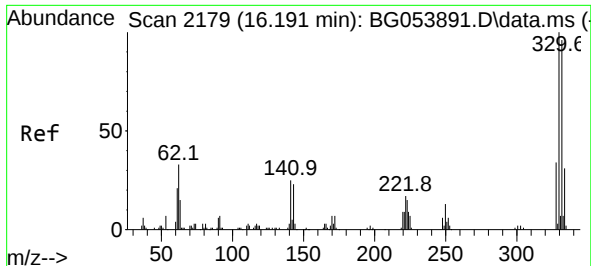
Supervised By :Jagrut Upadhyay 07/05/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.705 min Scan# 1926
Delta R.T. 0.008 min
Lab File: BG054194.D
Acq: 1 Jul 2022 16:56

Tgt Ion:164 Resp: 53458
Ion Ratio Lower Upper
164 100
162 107.1 82.3 123.5
160 47.4 34.2 51.2





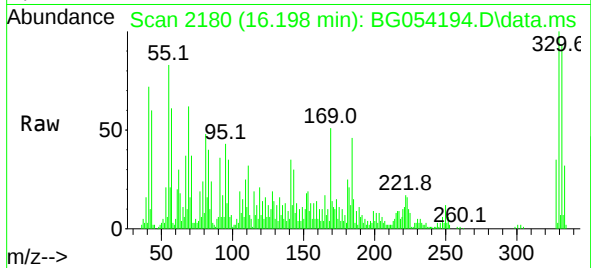
#42
2,4,6-Tribromophenol
Concen: 100.041 ng
RT: 16.198 min Scan# 2179
Delta R.T. 0.013 min
Lab File: BG054194.D
Acq: 1 Jul 2022 16:56

Instrument :

BNA_G

ClientSampleId :

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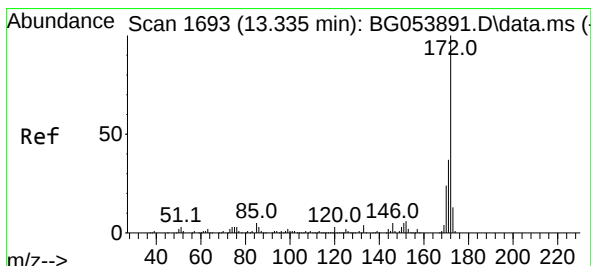
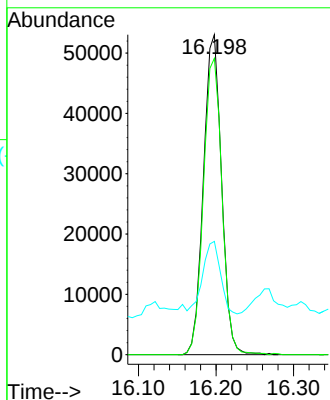
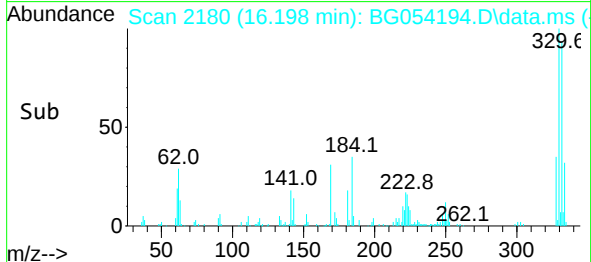


Tgt Ion:330 Resp: 8592
Ion Ratio Lower Upper
330 100
332 95.0 76.0 114.0
141 22.2 27.1 40.7

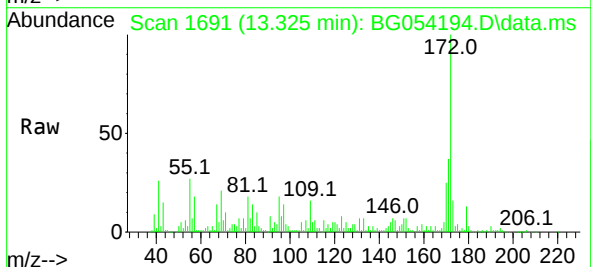
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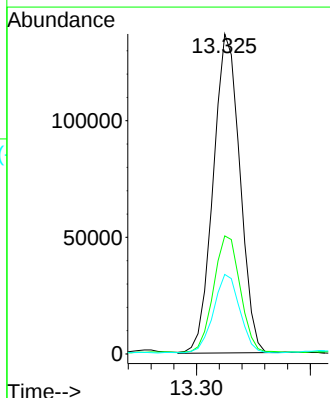
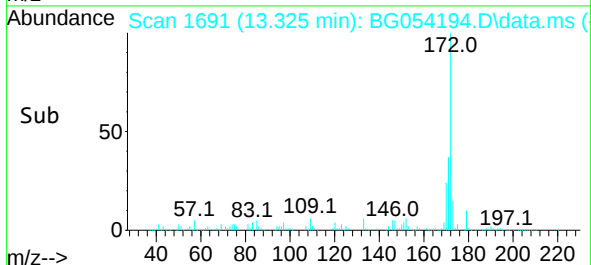
Reviewed By :Christian Giraldo 07/05/2022
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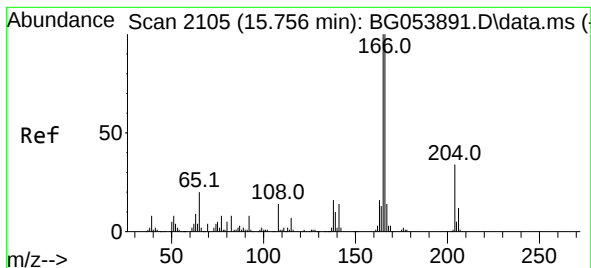


#45
2-Fluorobiphenyl
Concen: 60.565 ng
RT: 13.325 min Scan# 1691
Delta R.T. 0.002 min
Lab File: BG054194.D
Acq: 1 Jul 2022 16:56



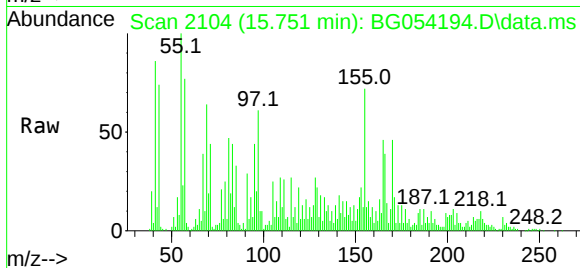
Tgt Ion:172 Resp: 222653
Ion Ratio Lower Upper
172 100
171 36.9 28.5 42.7
170 24.9 18.9 28.3





#58
Fluorene
Concen: 9.725 ng
RT: 15.751 min Scan# 2104
Delta R.T. 0.008 min
Lab File: BG054194.D
Acq: 1 Jul 2022 16:56

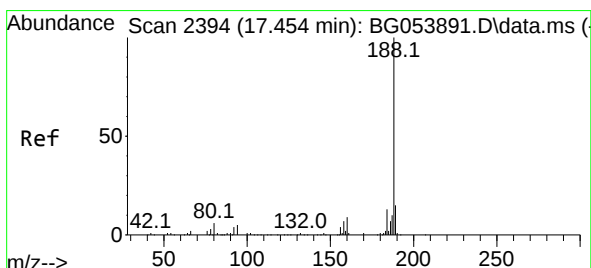
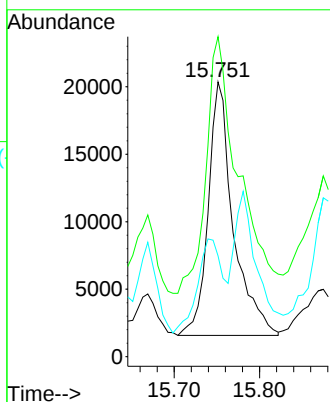
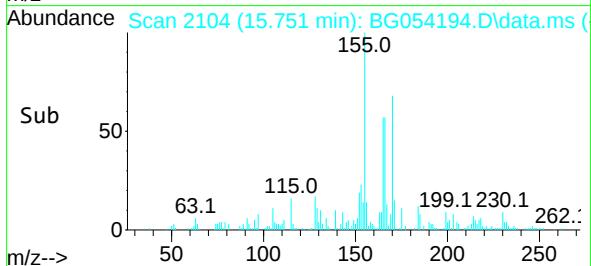
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BNA_G
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WC-14B-11-3



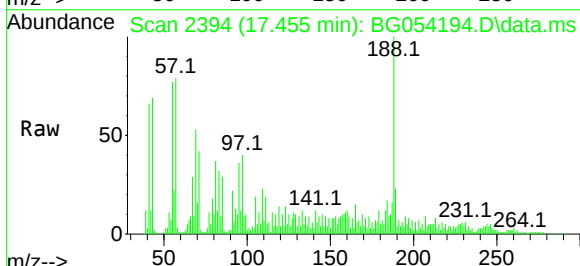
Tgt Ion:166 Resp: 38428
Ion Ratio Lower Upper
166 100
165 116.5 75.0 112.6
167 36.7 10.8 16.2

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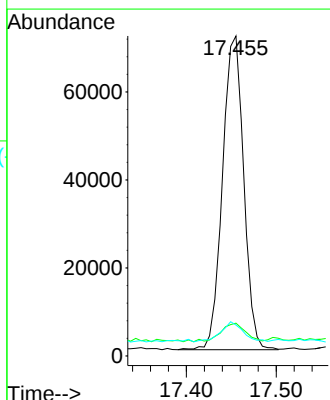
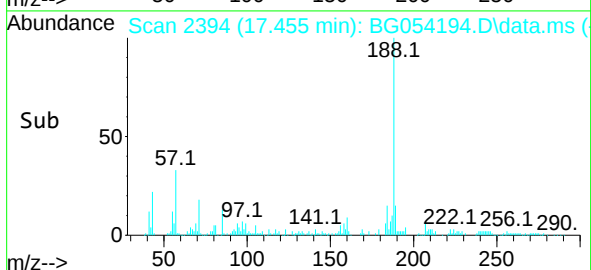
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

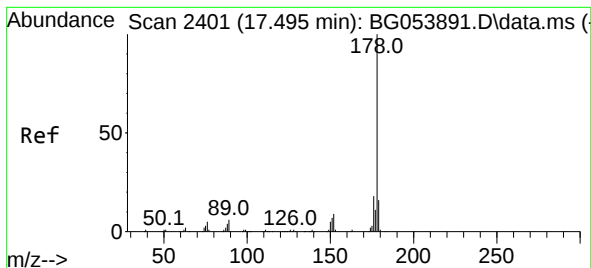


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.455 min Scan# 2394
Delta R.T. 0.013 min
Lab File: BG054194.D
Acq: 1 Jul 2022 16:56



Tgt Ion:188 Resp: 116950
Ion Ratio Lower Upper
188 100
94 10.3 5.4 8.0#
80 9.7 6.8 10.2





#71

Phenanthrene

Concen: 22.575 ng

RT: 17.496 min Scan# 2401

Delta R.T. 0.013 min

Lab File: BG054194.D

Acq: 1 Jul 2022 16:56

Instrument :

BNA_G

ClientSampleId :

WC-14B-11-3

Tgt Ion:178 Resp: 13564

Ion Ratio Lower Upper

178 100

176 19.6 14.1 21.1

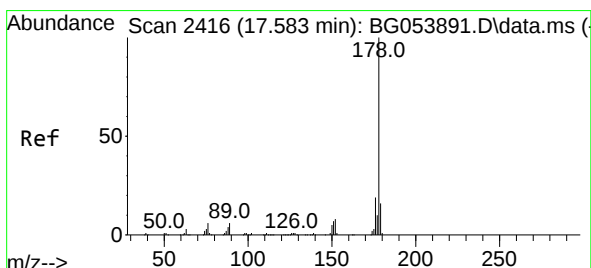
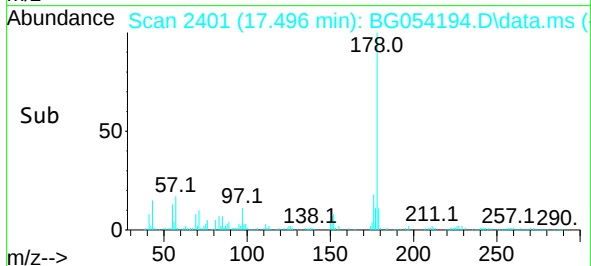
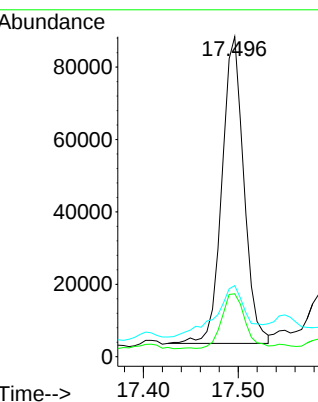
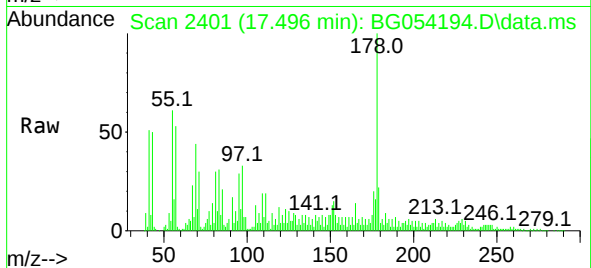
179 22.2 12.1 18.1

Manual Integrations

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#72

Anthracene

Concen: 3.253 ng

RT: 17.584 min Scan# 2416

Delta R.T. 0.008 min

Lab File: BG054194.D

Acq: 1 Jul 2022 16:56

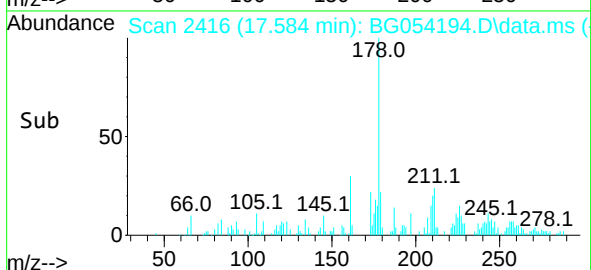
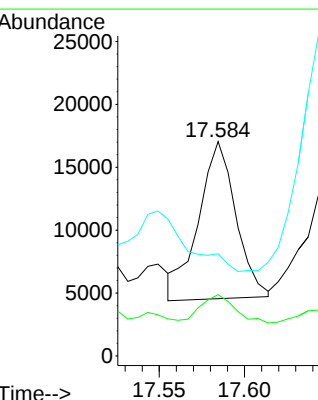
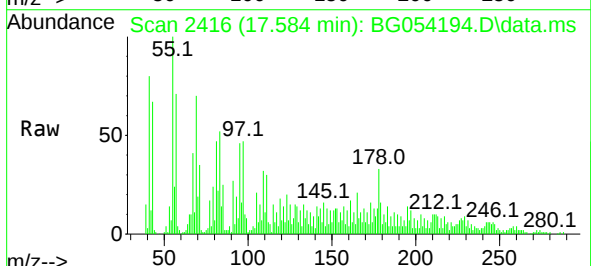
Tgt Ion:178 Resp: 19087

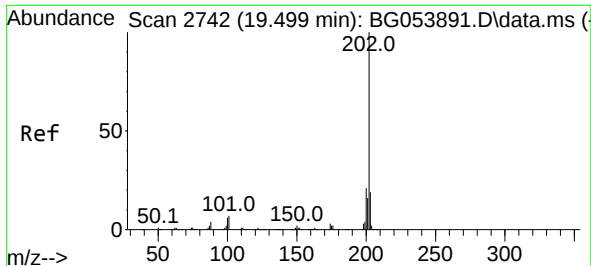
Ion Ratio Lower Upper

178 100

176 28.6 15.2 22.8#

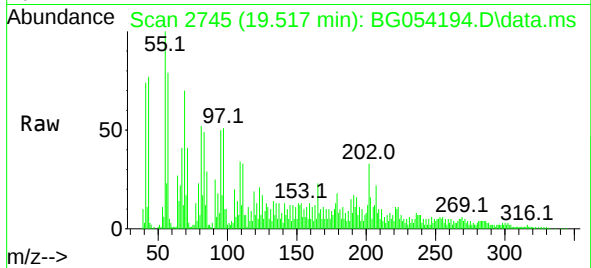
179 47.7 13.0 19.4#





#75
Fluoranthene
Concen: 3.439 ng
RT: 19.517 min Scan# 2745
Delta R.T. 0.025 min
Lab File: BG054194.D
Acq: 1 Jul 2022 16:56

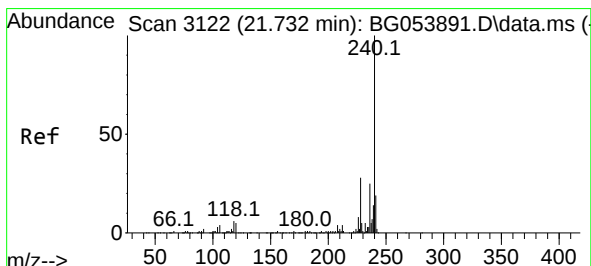
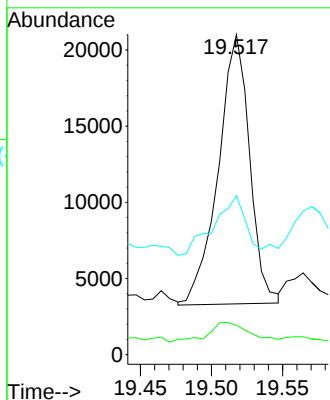
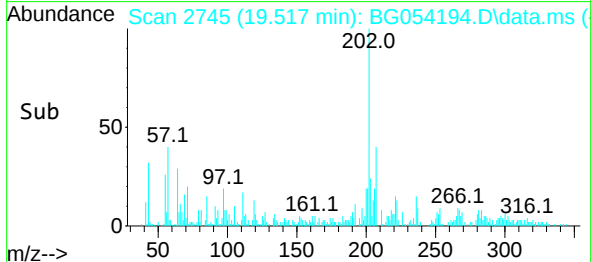
Instrument :
BNA_G
ClientSampleId :
WC-14B-11-3



Tgt Ion:202 Resp: 27129
Ion Ratio Lower Upper
202 100
101 9.2 0.0 26.9
203 49.7 0.0 37.2

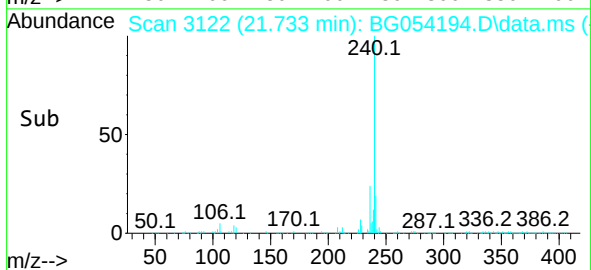
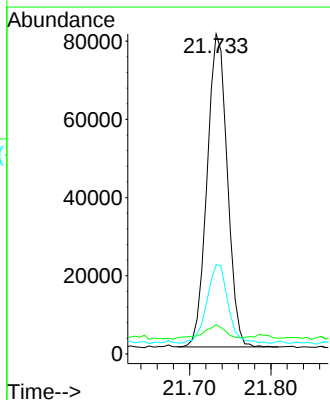
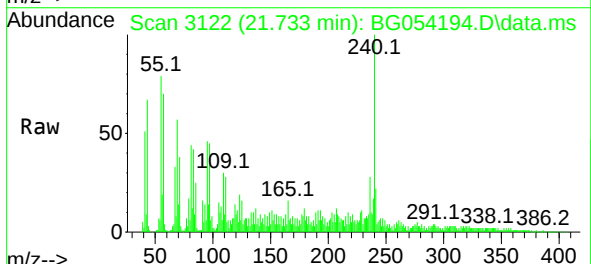
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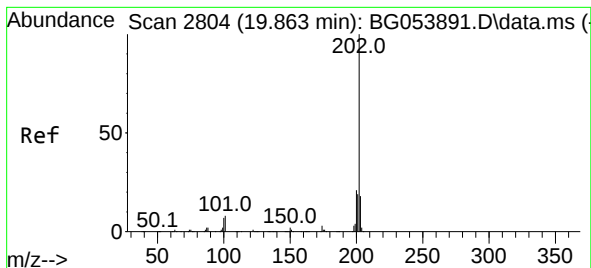
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.733 min Scan# 3122
Delta R.T. 0.013 min
Lab File: BG054194.D
Acq: 1 Jul 2022 16:56

Tgt Ion:240 Resp: 138406
Ion Ratio Lower Upper
240 100
120 9.2 4.6 7.0#
236 27.9 20.2 30.4





#78

Pyrene

Concen: 6.693 ng

RT: 19.870 min Scan# 2805

Delta R.T. 0.019 min

Lab File: BG054194.D

Acq: 1 Jul 2022 16:56

Instrument :

BNA_G

ClientSampleId :

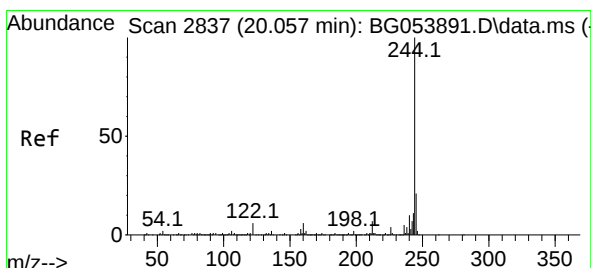
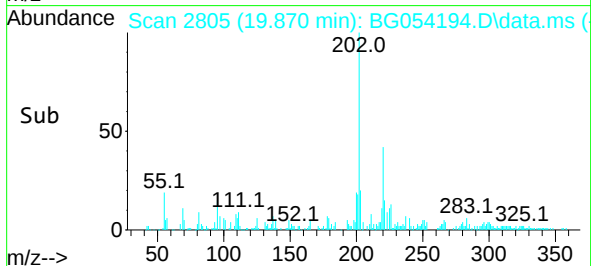
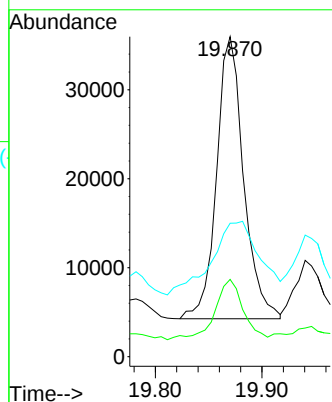
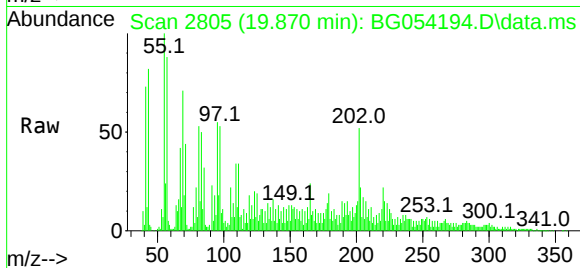
WC-14B-11-3

Tgt Ion:202 Resp: 55950
 Ion Ratio Lower Upper
 202 100
 200 24.1 16.6 24.8
 203 41.7 14.6 21.8

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



#79

Terphenyl-d14

Concen: 64.290 ng

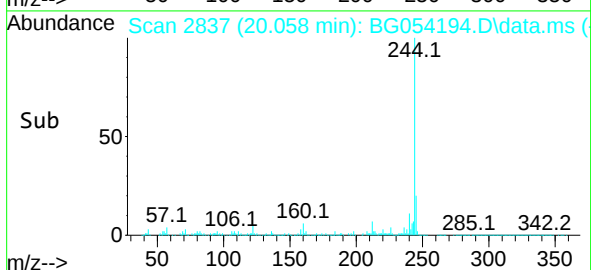
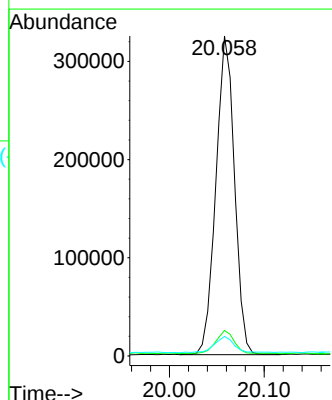
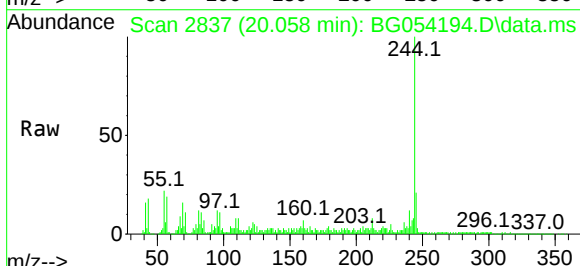
RT: 20.058 min Scan# 2837

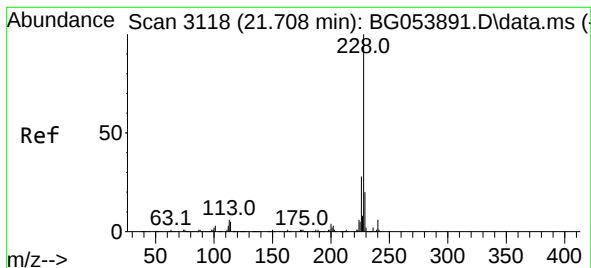
Delta R.T. 0.013 min

Lab File: BG054194.D

Acq: 1 Jul 2022 16:56

Tgt Ion:244 Resp: 441795
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.5 9.7
 122 6.1 5.0 7.4





#81

Benzo(a)anthracene

Concen: 2.774 ng

RT: 21.715 min Scan# 3119

Delta R.T. 0.019 min

Lab File: BG054194.D

Acq: 1 Jul 2022 16:56

Instrument :

BNL_G

ClientSampleId :

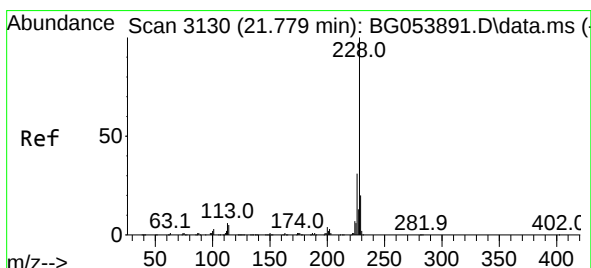
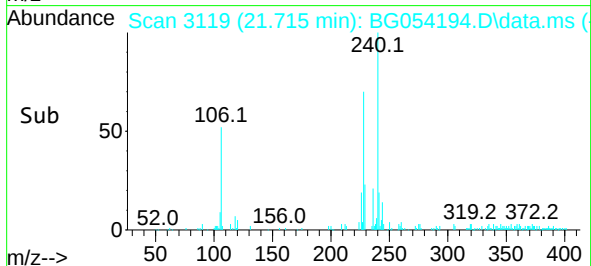
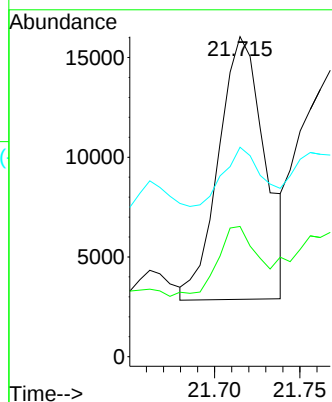
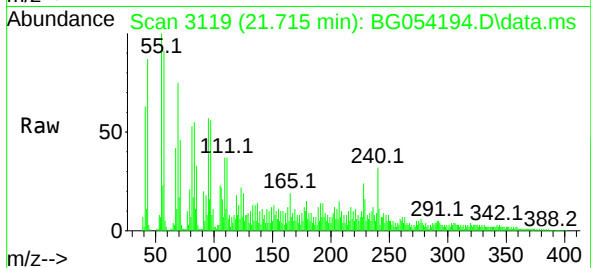
WC-14B-11-3

Tgt Ion:	228	Resp:	2485
Ion Ratio	Lower	Upper	
228	100		
226	40.7	21.6	32.4
229	65.5	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: 4.958 ng

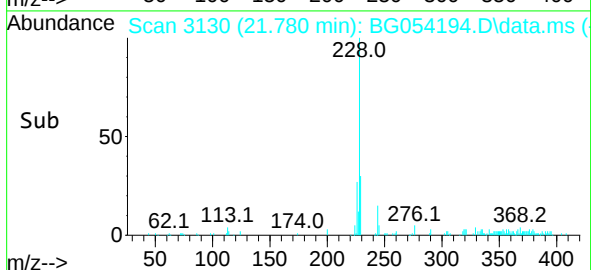
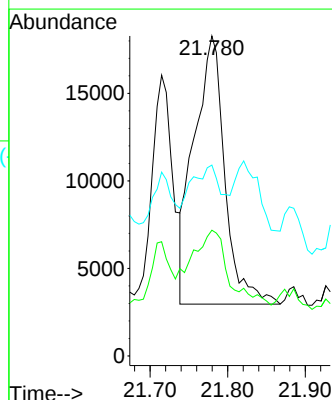
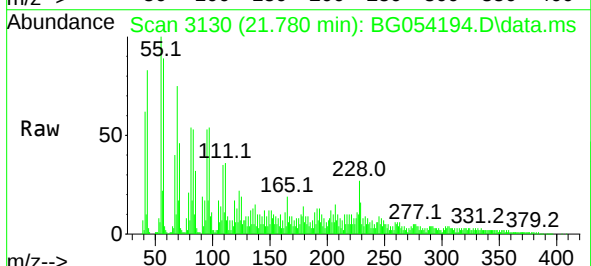
RT: 21.780 min Scan# 3130

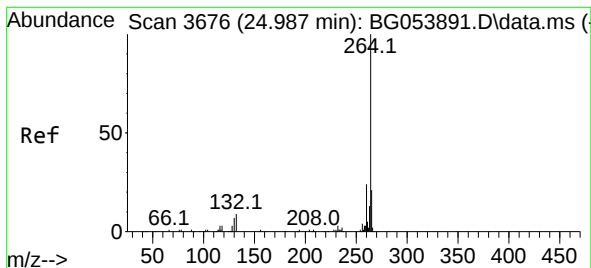
Delta R.T. 0.019 min

Lab File: BG054194.D

Acq: 1 Jul 2022 16:56

Tgt Ion:	228	Resp:	42350
Ion Ratio	Lower	Upper	
228	100		
226	39.3	23.4	35.2
229	59.7	15.5	23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.029 min Scan# 3

Delta R.T. 0.066 min

Lab File: BG054194.D

Acq: 1 Jul 2022 16:56

Instrument :

BNA_G

ClientSampleId :

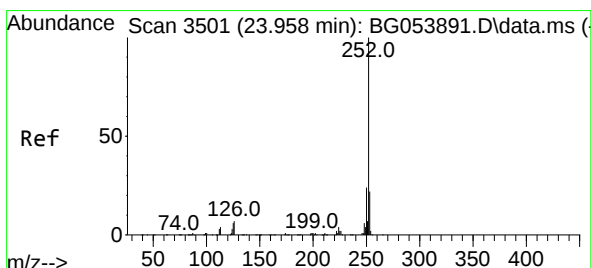
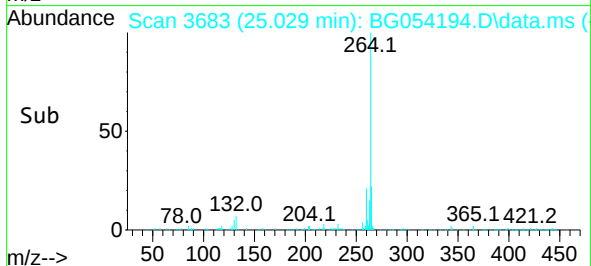
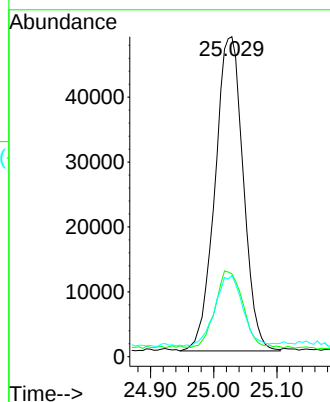
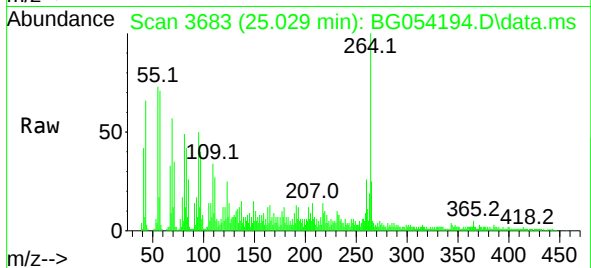
WC-14B-11-3

Tgt Ion:264	Resp:	15034
Ion Ratio	Lower	Upper
264	100	
260	25.9	19.0 28.6
265	25.3	17.4 26.2

Manual Integrations

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



#88

Benzo(b)fluoranthene

Concen: 2.484 ng m

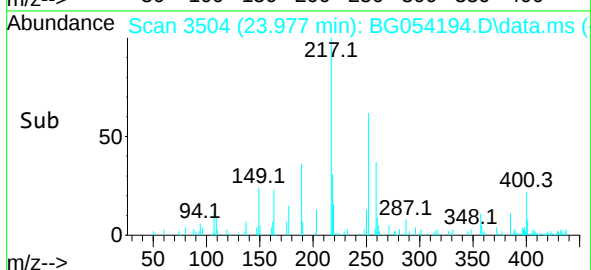
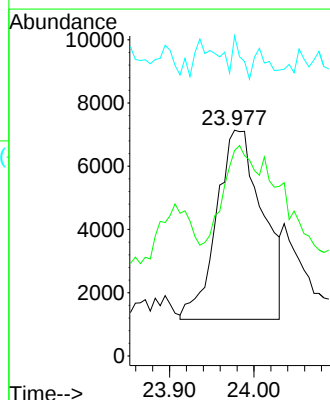
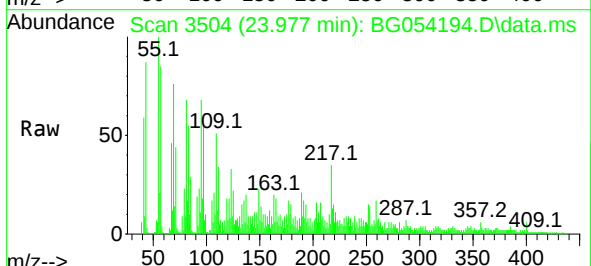
RT: 23.977 min Scan# 3504

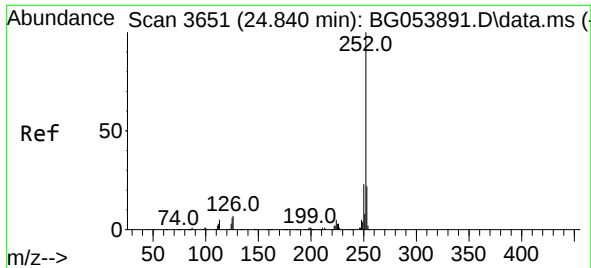
Delta R.T. 0.043 min

Lab File: BG054194.D

Acq: 1 Jul 2022 16:56

Tgt Ion:252	Resp:	22710
Ion Ratio	Lower	Upper
252	100	
253	91.0	18.0 27.0#
125	141.7	4.6 6.8#





#90

Benzo(a)pyrene

Concen: 2.326 ng

RT: 24.864 min Scan# 30

Delta R.T. 0.049 min

Lab File: BG054194.D

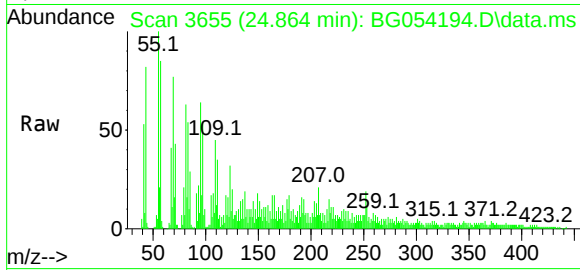
Acq: 1 Jul 2022 16:56

Instrument :

BNA_G

ClientSampleId :

WC-14B-11-3



Tgt Ion:252 Resp: 1794

Ion Ratio Lower Upper

252 100

253 54.8 17.8 26.8

125 102.9 4.3 6.5

Manual Integrations

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Reviewed By :Christian Giraldo 07/05/2022

Supervised By :Jagrut Upadhyay 07/05/2022

