

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062722\
 Data File : BG054108.D
 Acq On : 28 Jun 2022 1:41
 Operator : CG/JU
 Sample : N3494-21 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-EXC-1-3

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 06/28/2022
 Supervised By :Jagrut Upadhyay 06/28/2022

Quant Time: Jun 28 05:00:49 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	33731	20.000	ng	0.00
21) Naphthalene-d8	10.887	136	136603	20.000	ng	# 0.00
39) Acenaphthene-d10	14.700	164	94285	20.000	ng	0.00
64) Phenanthrene-d10	17.444	188	206425	20.000	ng	0.00
76) Chrysene-d12	21.721	240	213816	20.000	ng	# 0.00
86) Perylene-d12	24.994	264	227915	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.640	112	64920	36.797	ng	0.00
7) Phenol-d6	7.232	99	93122	38.909	ng	0.00
23) Nitrobenzene-d5	9.230	82	64071	26.358	ng	0.00
42) 2,4,6-Tribromophenol	16.186	330	30237	19.960	ng	0.00
45) 2-Fluorobiphenyl	13.319	172	164914	25.434	ng	0.00
79) Terphenyl-d14	20.052	244	281287	26.496	ng	0.00
Target Compounds						Qvalue
14) 1,2-Dichlorobenzene	8.425	146	20575	9.039	ng	94
31) Naphthalene	10.945	128	2202696	319.413	ng	95
37) 2-Methylnaphthalene	12.532	142	35705	6.998	ng	99
38) 1-Methylnaphthalene	12.749	142	81386	16.382	ng	# 98
52) Acenaphthene	14.764	154	17877	3.393	ng	# 89
55) Dibenzofuran	15.093	168	25064	2.953	ng	# 66
58) Fluorene	15.746	166	30922	4.437	ng	# 82
71) Phenanthrene	17.485	178	128714	12.136	ng	95
72) Anthracene	17.573	178	26149m	2.525	ng	
75) Fluoranthene	19.494	202	205564	14.765	ng	94
78) Pyrene	19.858	202	209771	16.244	ng	97
81) Benzo(a)anthracene	21.703	228	97989	7.078	ng	# 85
83) Chrysene	21.768	228	125525m	9.512	ng	
87) Indeno(1,2,3-cd)pyrene	28.730	276	54999	3.198	ng	# 91
88) Benzo(b)fluoranthene	23.959	252	92307	6.661	ng	# 83
90) Benzo(a)pyrene	24.841	252	89555	7.659	ng	# 87
92) Benzo(g,h,i)perylene	29.900	276	82455	5.875	ng	# 92

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

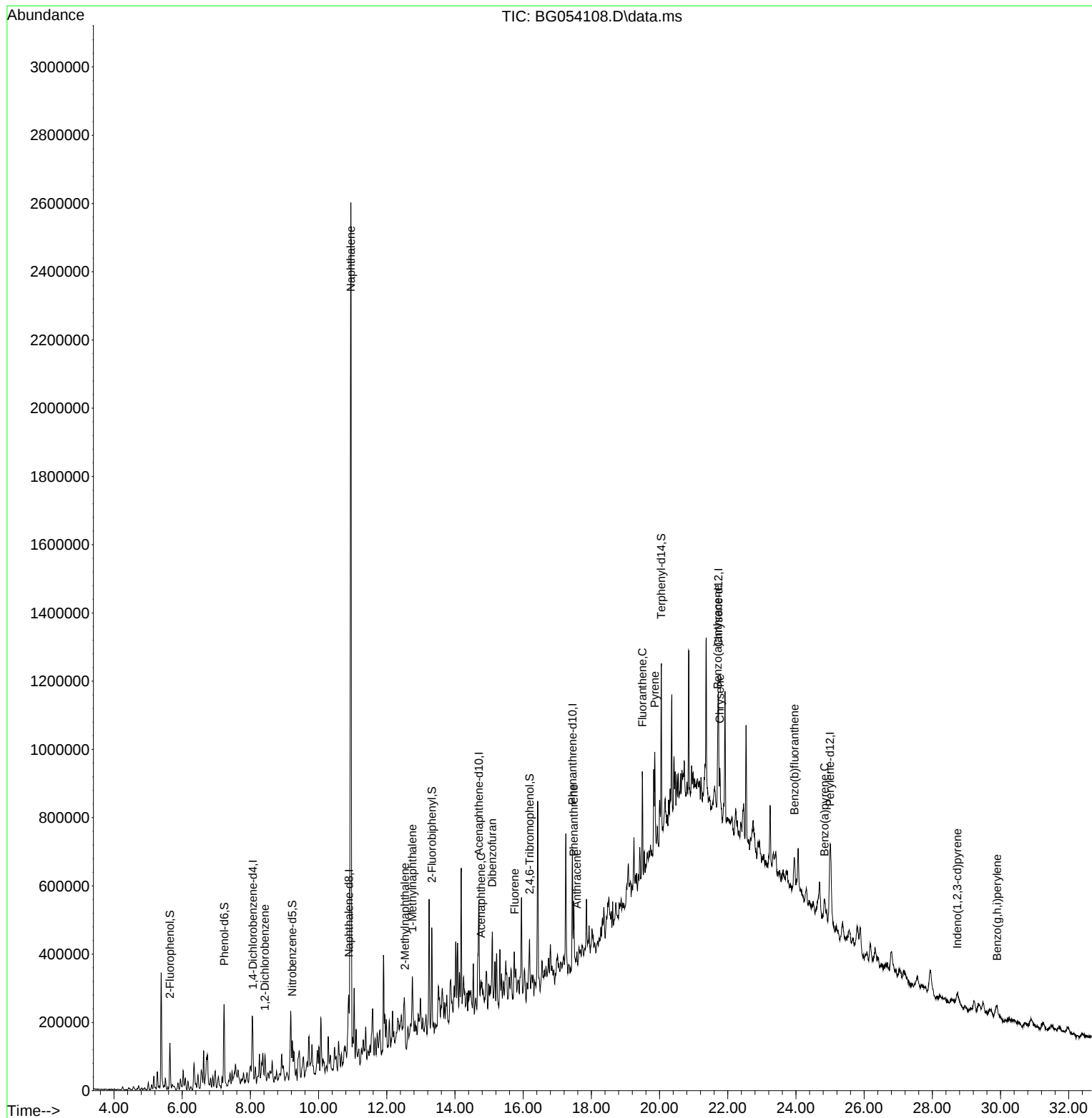
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062722\
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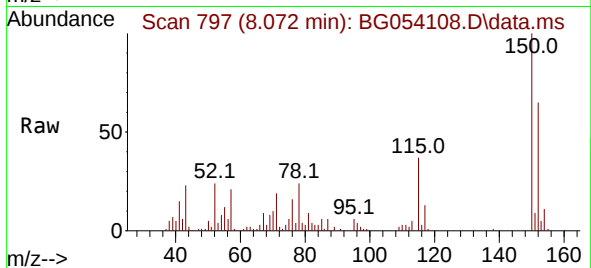
Reviewed By : Christian Giraldo 06/28/2022
Supervised By : Jagrut Upadhyay 06/28/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.072 min Scan# 79
Delta R.T. 0.002 min
Lab File: BG054108.D
Acq: 28 Jun 2022 1:41

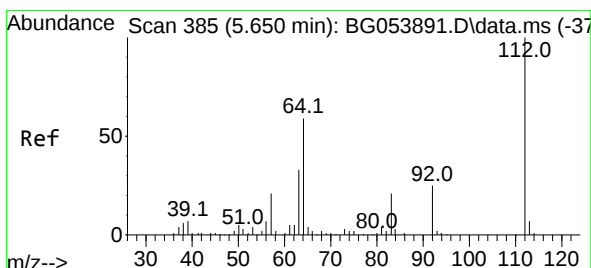
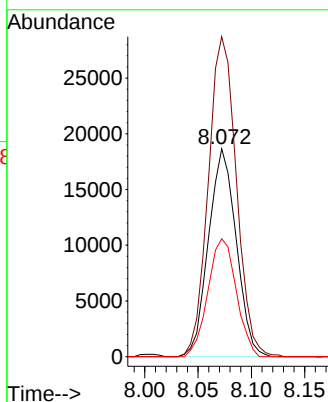
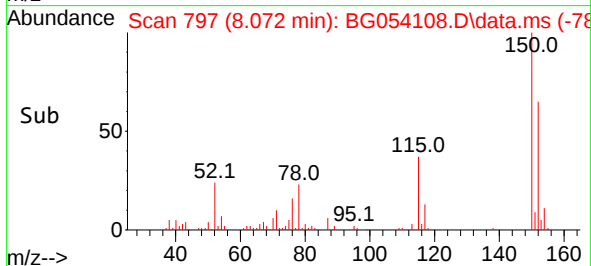
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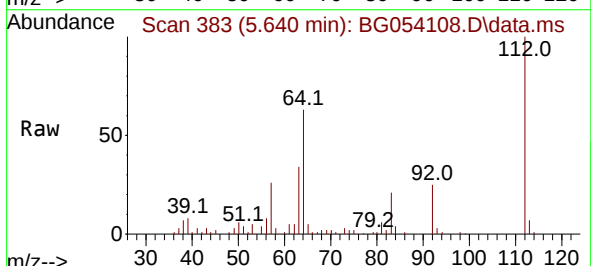
Tgt Ion:152 Resp: 3373
Ion Ratio Lower Upper
152 100
150 154.0 131.6 197.4
115 56.7 50.9 76.3

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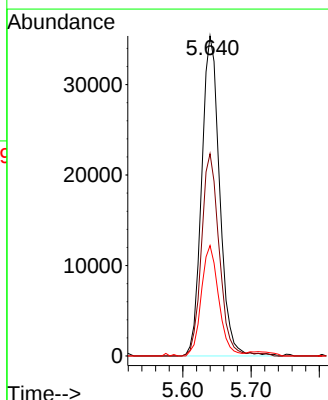
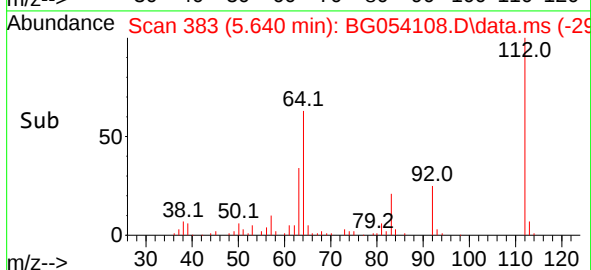
Reviewed By :Christian Giraldo 06/28/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#5
2-Fluorophenol
Concen: 36.797 ng
RT: 5.640 min Scan# 383
Delta R.T. 0.002 min
Lab File: BG054108.D
Acq: 28 Jun 2022 1:41



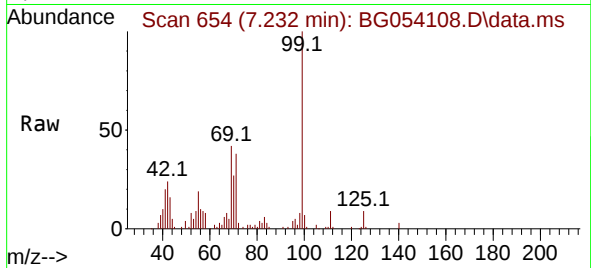
Tgt Ion:112 Resp: 64920
Ion Ratio Lower Upper
112 100
64 63.2 55.1 82.7
63 34.5 30.4 45.6





#7
Phenol-d6
Concen: 38.909 ng
RT: 7.232 min Scan# 61
Delta R.T. 0.002 min
Lab File: BG054108.D
Acq: 28 Jun 2022 1:41

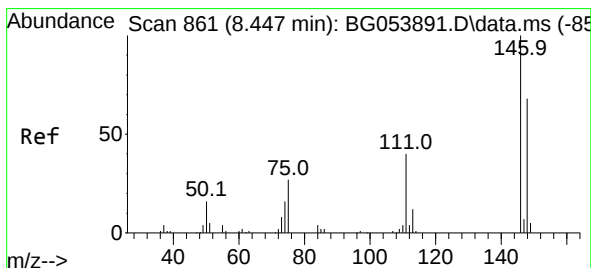
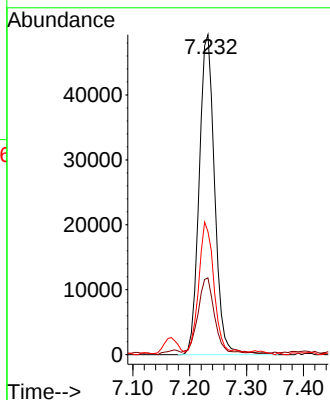
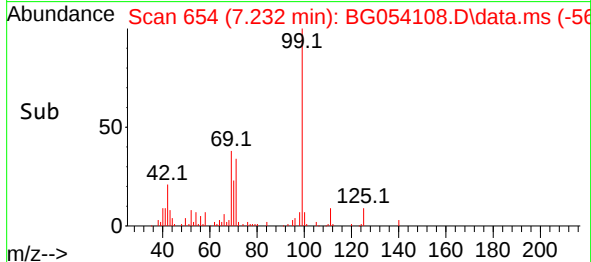
Instrument :
BNA_G
ClientSampleId :
SP-EXC-1-3



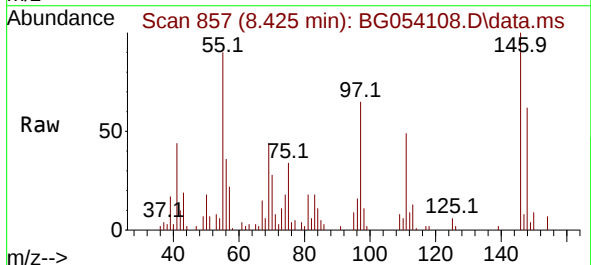
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Ion Ratio Lower Upper
99 100
42 24.0 17.0 25.6
71 38.4 33.8 50.8

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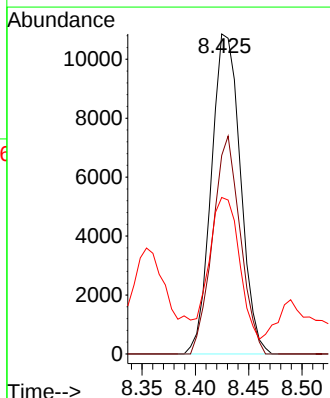
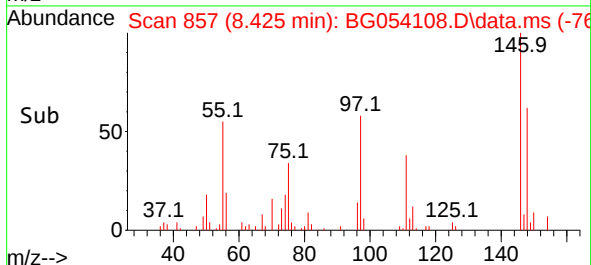
Reviewed By :Christian Giraldo 06/28/2022
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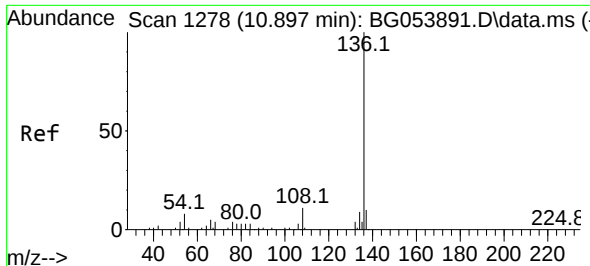


#14
1,2-Dichlorobenzene
Concen: 9.039 ng
RT: 8.425 min Scan# 857
Delta R.T. -0.004 min
Lab File: BG054108.D
Acq: 28 Jun 2022 1:41



Tgt Ion:146 Resp: 20575
Ion Ratio Lower Upper
146 100
148 62.1 52.6 78.8
111 48.9 34.5 51.7





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.887 min Scan# 11
Delta R.T. 0.008 min
Lab File: BG054108.D
Acq: 28 Jun 2022 1:41

Instrument :

BNA_G

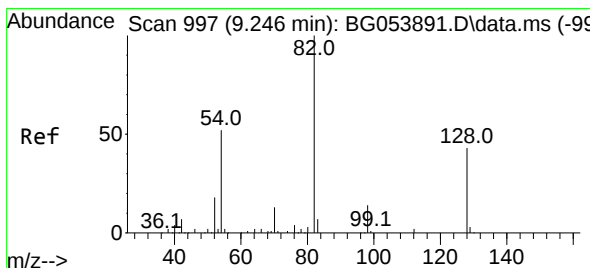
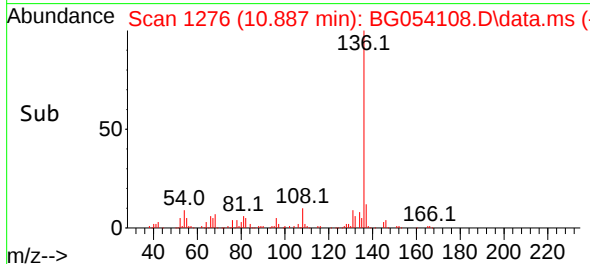
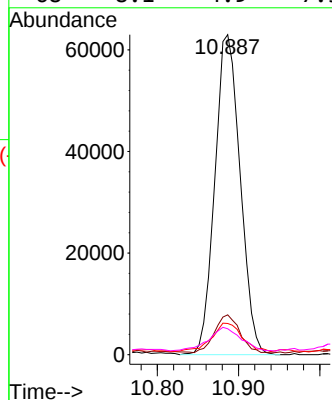
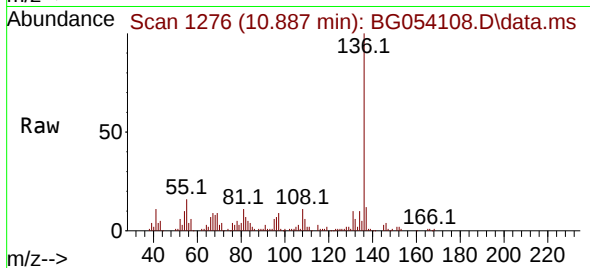
ClientSampleId :

SP-EXC-1-3

Tgt Ion:136 Resp: 13660
Ion Ratio Lower Upper
136 100
137 12.5 8.5 12.7
54 9.7 7.4 11.2
68 8.1 4.9 7.3#

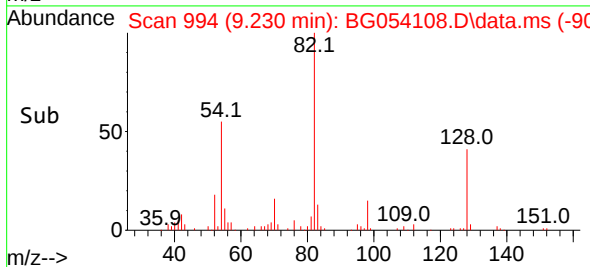
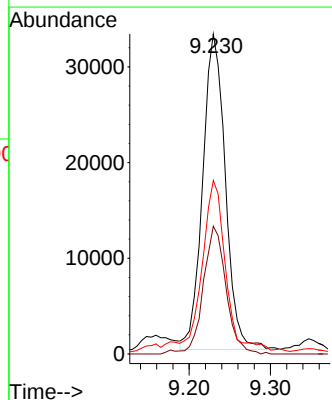
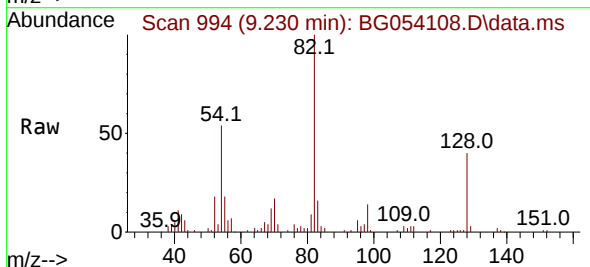
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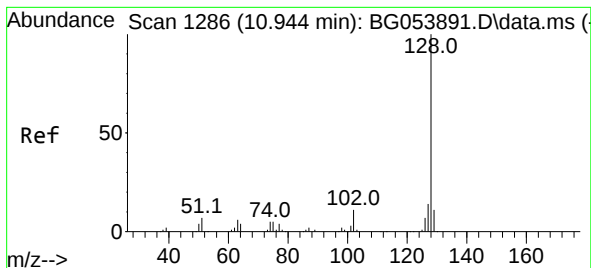
Reviewed By :Christian Giraldo 06/28/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#23
Nitrobenzene-d5
Concen: 26.358 ng
RT: 9.230 min Scan# 994
Delta R.T. -0.004 min
Lab File: BG054108.D
Acq: 28 Jun 2022 1:41

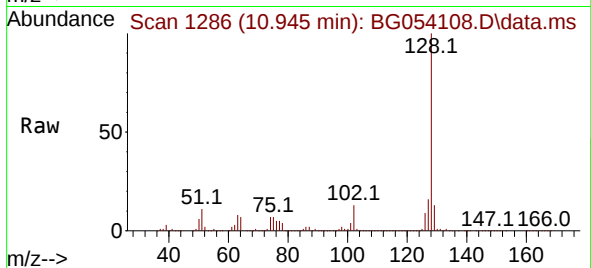
Tgt Ion: 82 Resp: 64071
Ion Ratio Lower Upper
82 100
128 39.9 27.9 41.9
54 54.2 41.2 61.8





#31
Naphthalene
Concen: 319.413 ng
RT: 10.945 min Scan# 11
Delta R.T. 0.014 min
Lab File: BG054108.D
Acq: 28 Jun 2022 1:41

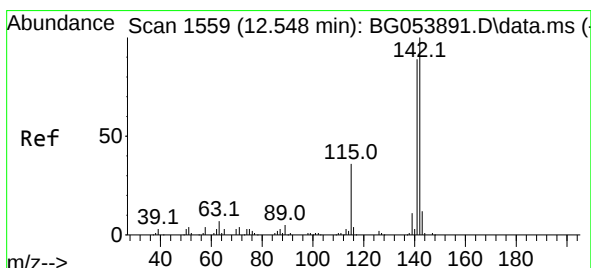
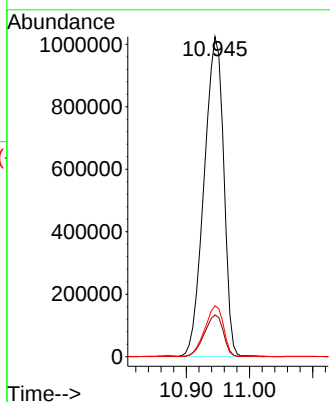
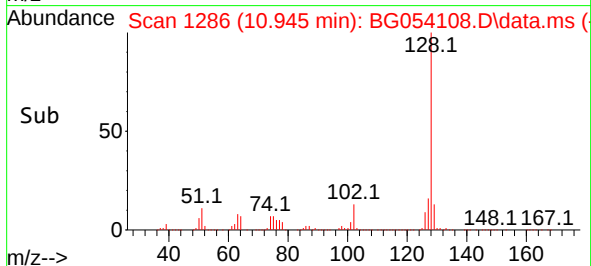
Instrument :
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ClientSampleId :
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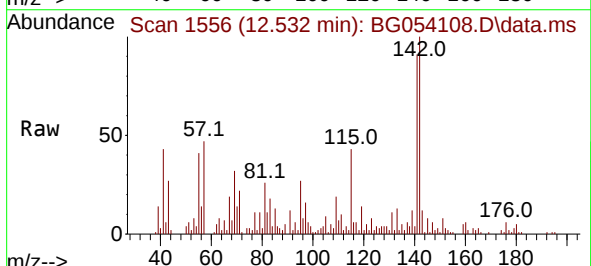
Tgt Ion:128 Resp: 2202690
Ion Ratio Lower Upper
128 100
129 13.0 9.0 13.6
127 15.9 11.1 16.7

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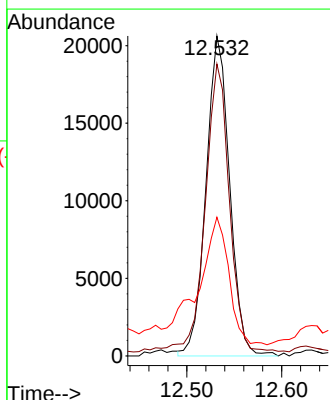
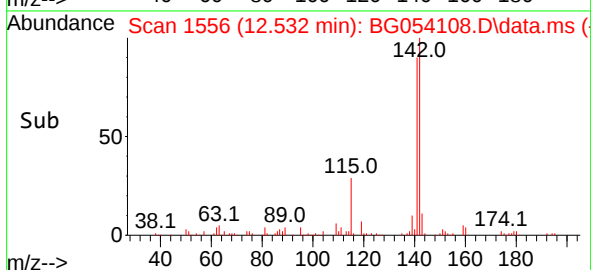
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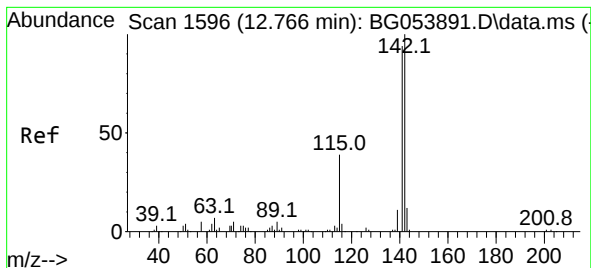


#37
2-Methylnaphthalene
Concen: 6.998 ng
RT: 12.532 min Scan# 1556
Delta R.T. 0.002 min
Lab File: BG054108.D
Acq: 28 Jun 2022 1:41



Tgt Ion:142 Resp: 35705
Ion Ratio Lower Upper
142 100
141 91.2 72.3 108.5
115 43.3 33.7 50.5





#38
1-Methylnaphthalene
Concen: 16.382 ng
RT: 12.749 min Scan# 11
Delta R.T. 0.002 min
Lab File: BG054108.D
Acq: 28 Jun 2022 1:41

Instrument :

BNA_G

ClientSampleId :

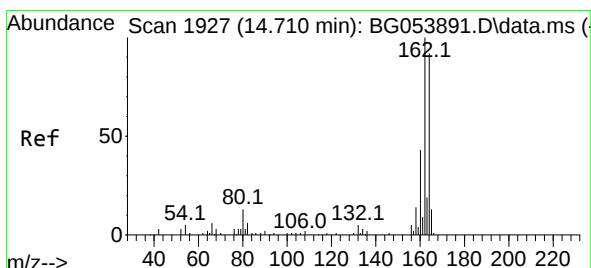
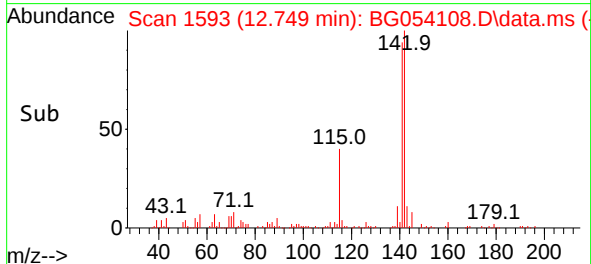
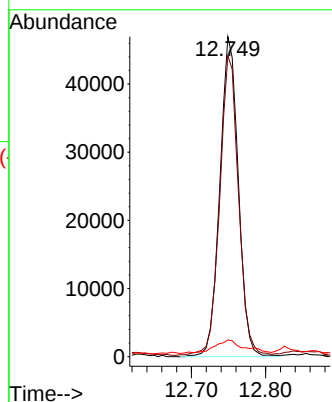
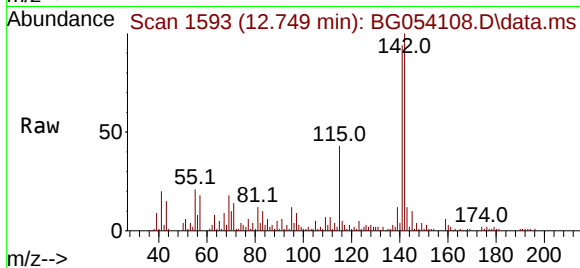
SP-EXC-1-3

Tgt Ion:142 Resp: 81380
Ion Ratio Lower Upper
142 100
141 94.1 76.4 114.6
116 5.3 3.3 4.9

Manual Integrations

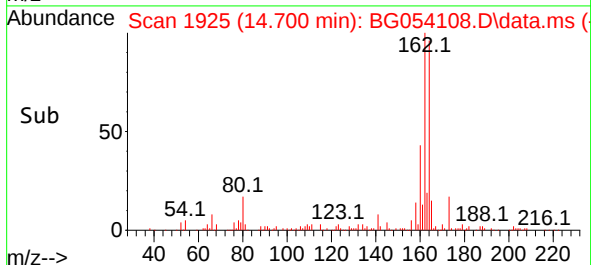
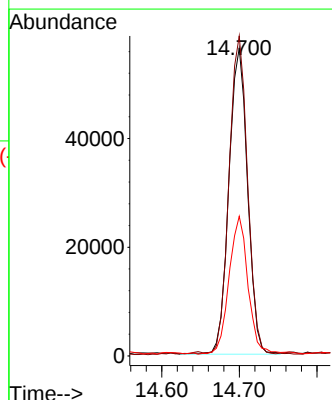
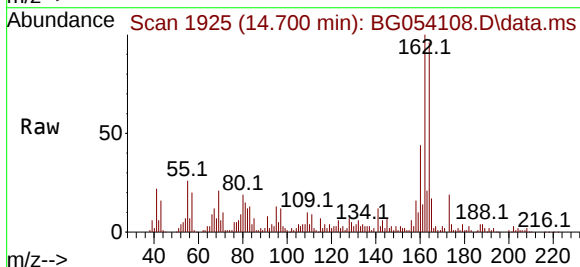
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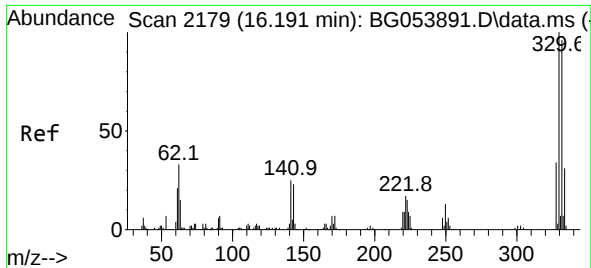
Reviewed By :Christian Giraldo 06/28/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.700 min Scan# 1925
Delta R.T. 0.002 min
Lab File: BG054108.D
Acq: 28 Jun 2022 1:41

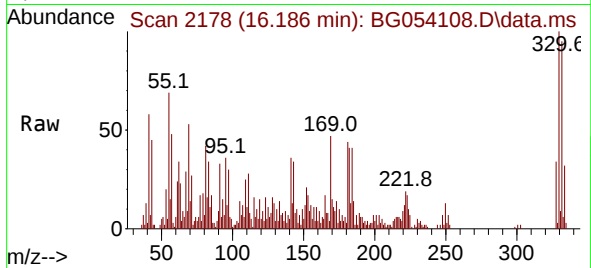
Tgt Ion:164 Resp: 94285
Ion Ratio Lower Upper
164 100
162 103.9 82.3 123.5
160 45.4 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 19.960 ng
RT: 16.186 min Scan# 2179
Delta R.T. 0.002 min
Lab File: BG054108.D
Acq: 28 Jun 2022 1:41

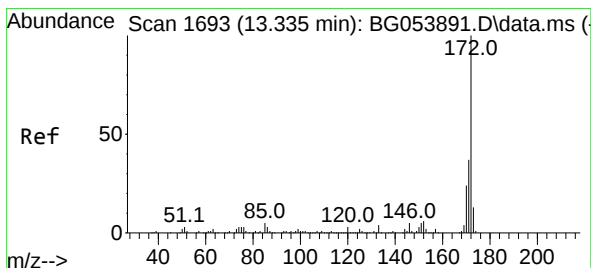
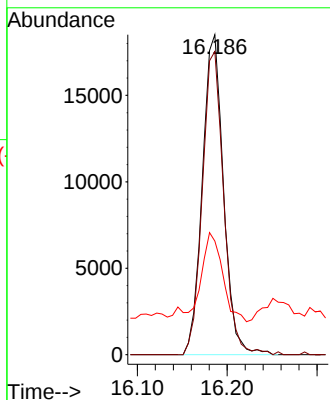
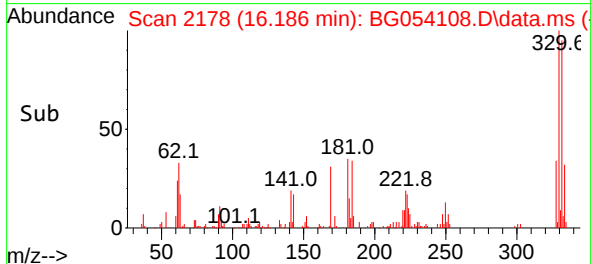
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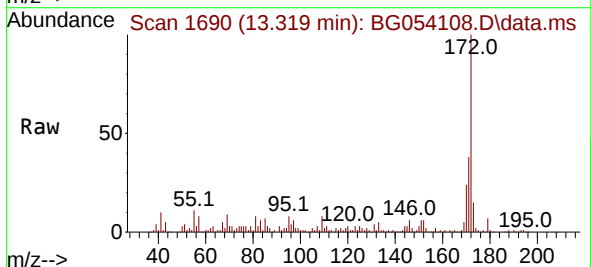
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Ion Ratio Lower Upper
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332 95.6 76.0 114.0
141 27.7 27.1 40.7

Manual Integrations
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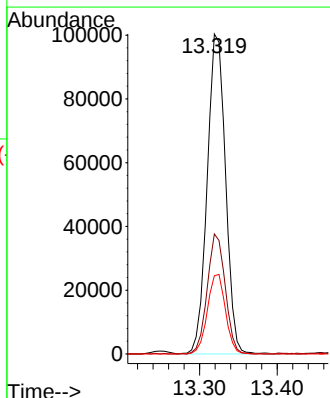
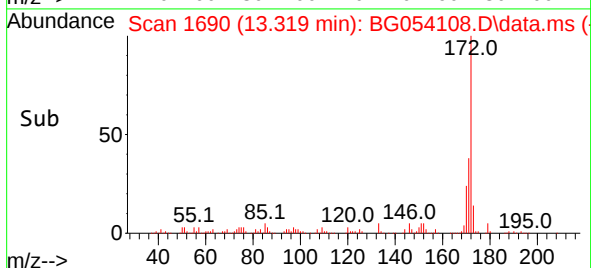
Reviewed By : Christian Giraldo 06/28/2022
Supervised By : Jagrut Upadhyay 06/28/2022

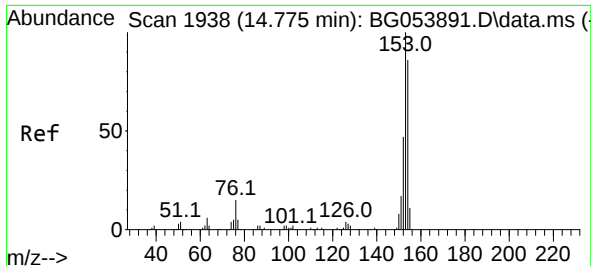


#45
2-Fluorobiphenyl
Concen: 25.434 ng
RT: 13.319 min Scan# 1690
Delta R.T. -0.004 min
Lab File: BG054108.D
Acq: 28 Jun 2022 1:41



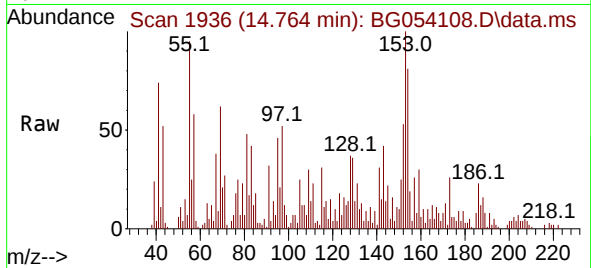
Tgt Ion: 172 Resp: 164914
Ion Ratio Lower Upper
172 100
171 37.5 28.5 42.7
170 24.5 18.9 28.3





#52
Acenaphthene
Concen: 3.393 ng
RT: 14.764 min Scan# 1936
Delta R.T. 0.002 min
Lab File: BG054108.D
Acq: 28 Jun 2022 1:41

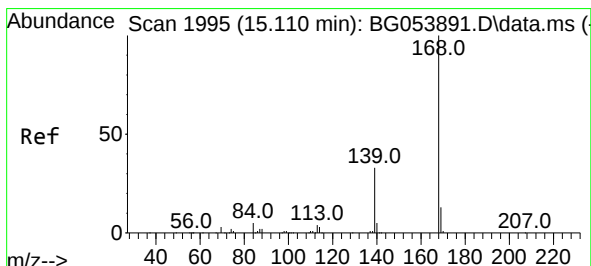
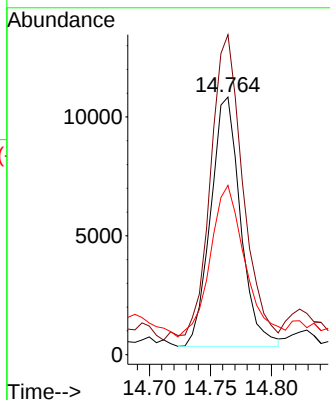
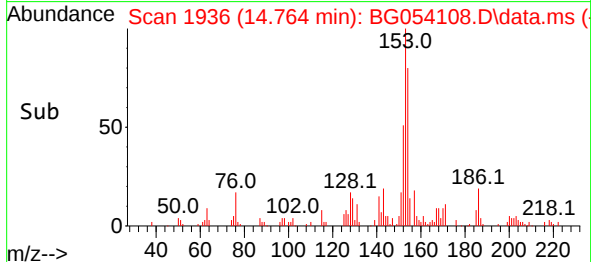
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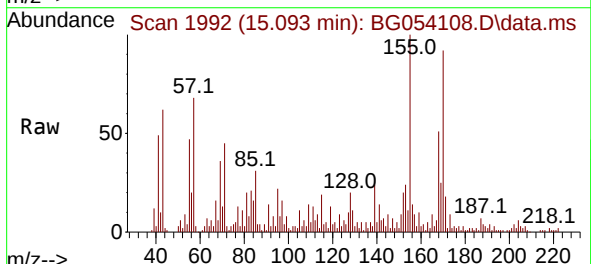
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Ion Ratio Lower Upper
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153 124.2 92.7 139.1
152 65.7 42.6 64.0

Manual Integrations
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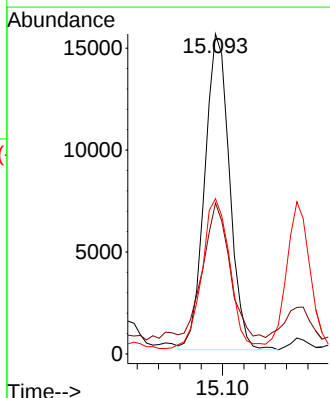
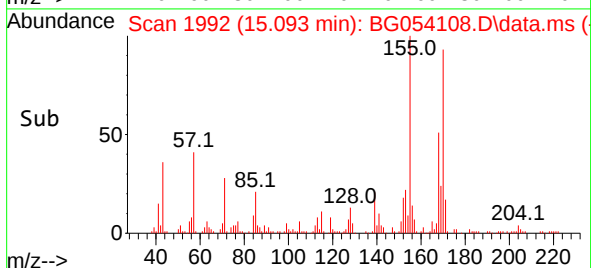
Reviewed By :Christian Giraldo 06/28/2022
Supervised By :Jagrut Upadhyay 06/28/2022

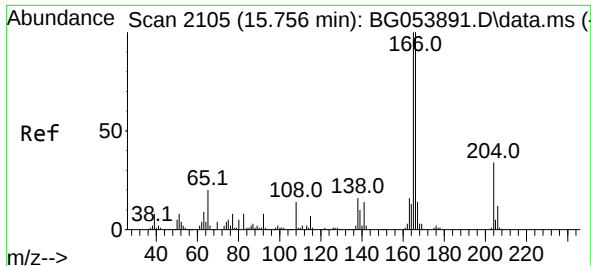


#55
Dibenzofuran
Concen: 2.953 ng
RT: 15.093 min Scan# 1992
Delta R.T. 0.002 min
Lab File: BG054108.D
Acq: 28 Jun 2022 1:41



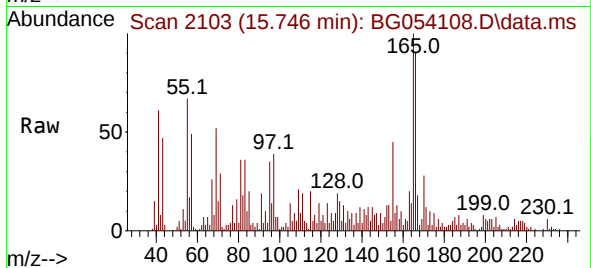
Tgt Ion:168 Resp: 25064
Ion Ratio Lower Upper
168 100
139 47.1 30.5 45.7#
169 48.6 10.3 15.5#





#58
Fluorene
Concen: 4.437 ng
RT: 15.746 min Scan# 2105
Delta R.T. 0.002 min
Lab File: BG054108.D
Acq: 28 Jun 2022 1:41

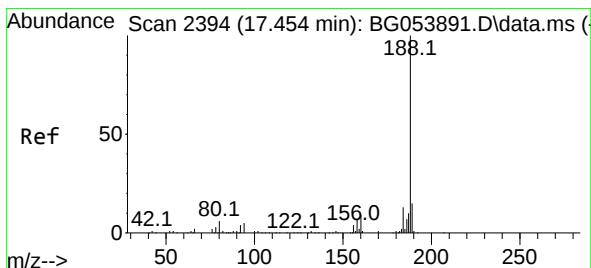
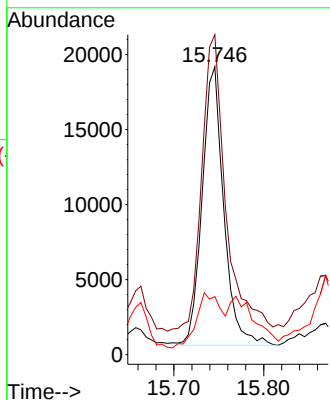
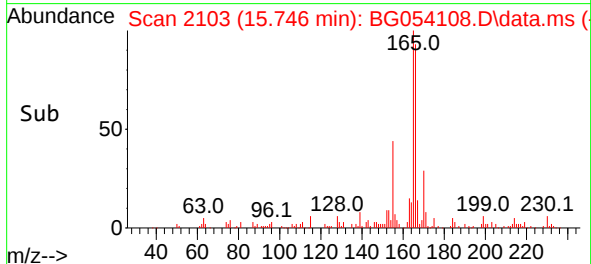
Instrument :
BNA_G
ClientSampleId :
SP-EXC-1-3



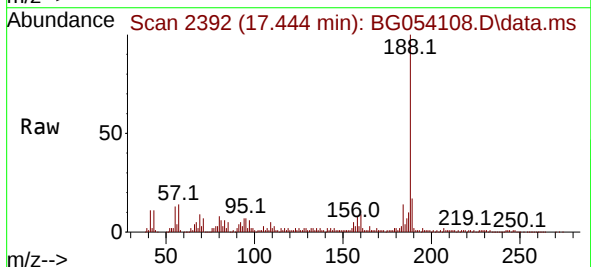
Tgt Ion:166 Resp: 3092
Ion Ratio Lower Upper
166 100
165 111.1 75.0 112.6
167 20.1 10.8 16.2

Manual Integrations
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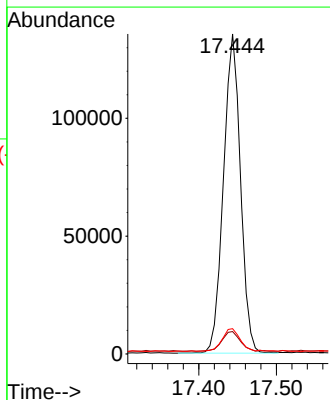
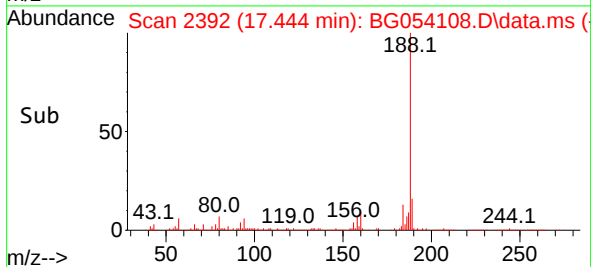
Reviewed By :Christian Giraldo 06/28/2022
Supervised By :Jagrut Upadhyay 06/28/2022

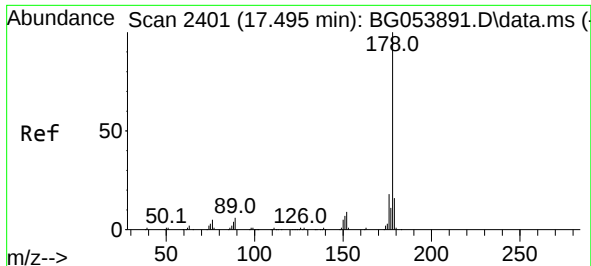


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.444 min Scan# 2392
Delta R.T. 0.002 min
Lab File: BG054108.D
Acq: 28 Jun 2022 1:41



Tgt Ion:188 Resp: 206425
Ion Ratio Lower Upper
188 100
94 7.0 5.4 8.0
80 7.9 6.8 10.2





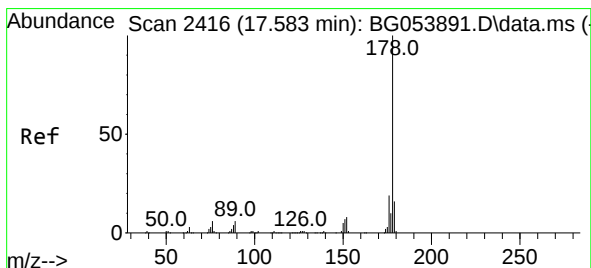
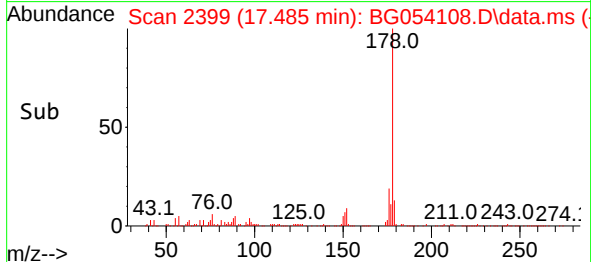
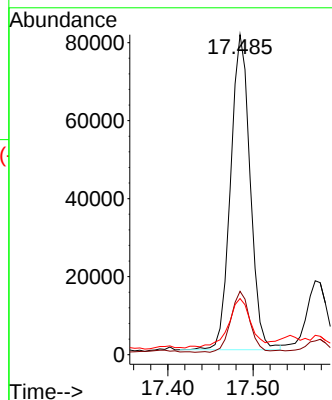
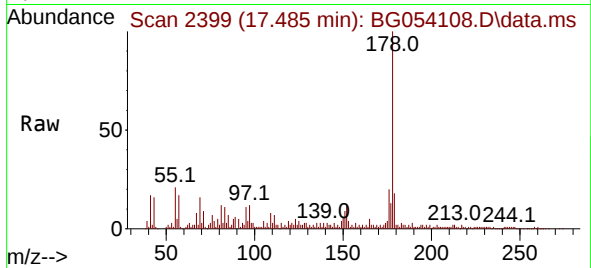
#71
Phenanthrene
Concen: 12.136 ng
RT: 17.485 min Scan# 2401
Delta R.T. 0.002 min
Lab File: BG054108.D
Acq: 28 Jun 2022 1:41

Instrument :
BNA_G
ClientSampleId :
SP-EXC-1-3

Tgt Ion:178 Resp: 128714
Ion Ratio Lower Upper
178 100
176 19.8 14.1 21.1
179 17.6 12.1 18.1

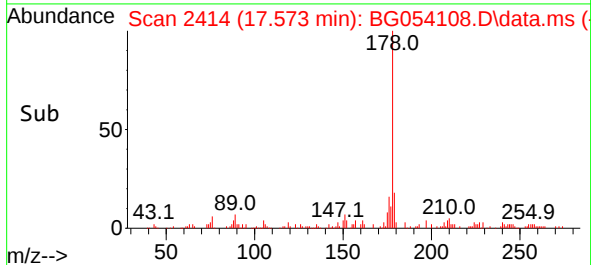
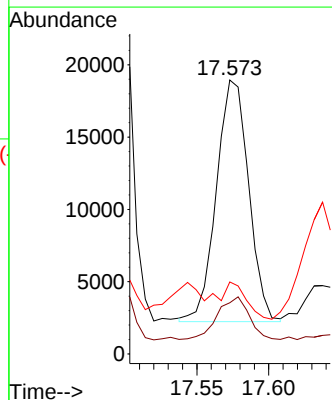
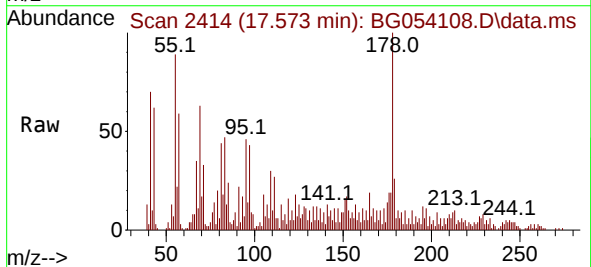
Manual Integrations
APPROVED

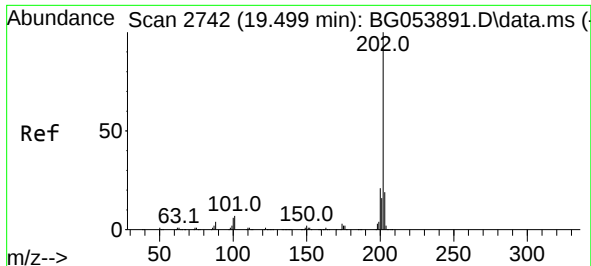
Reviewed By :Christian Giraldo 06/28/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#72
Anthracene
Concen: 2.525 ng m
RT: 17.573 min Scan# 2414
Delta R.T. -0.004 min
Lab File: BG054108.D
Acq: 28 Jun 2022 1:41

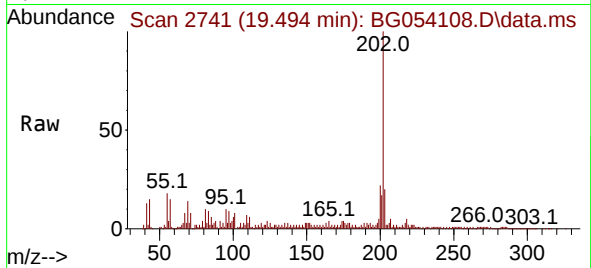
Tgt Ion:178 Resp: 26149
Ion Ratio Lower Upper
178 100
176 18.7 15.2 22.8
179 26.3 13.0 19.4#





#75
Fluoranthene
Concen: 14.765 ng
RT: 19.494 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG054108.D
Acq: 28 Jun 2022 1:41

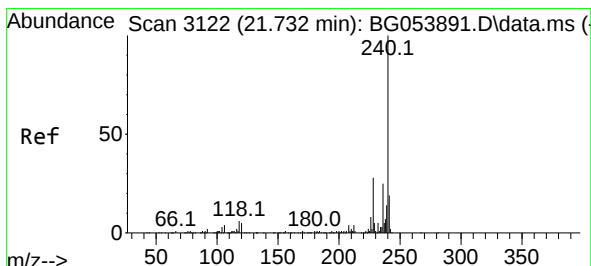
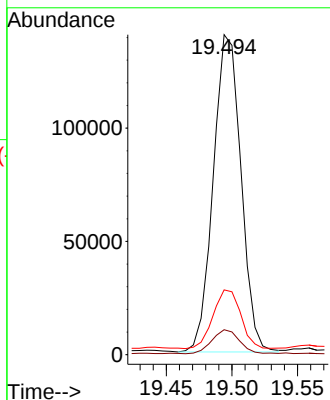
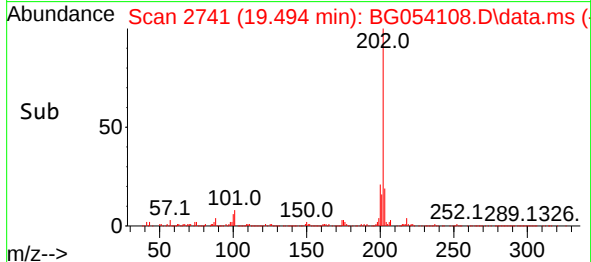
Instrument :
BNA_G
ClientSampleId :
SP-EXC-1-3



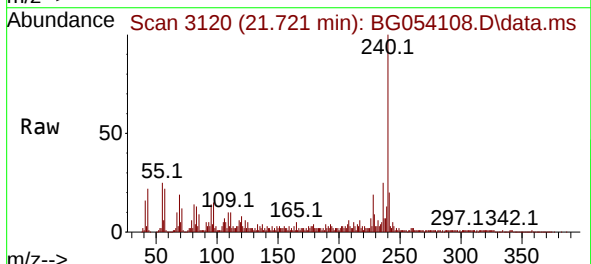
Tgt Ion:202 Resp: 205564
Ion Ratio Lower Upper
202 100
101 7.8 0.0 26.9
203 20.3 0.0 37.2

Manual Integrations
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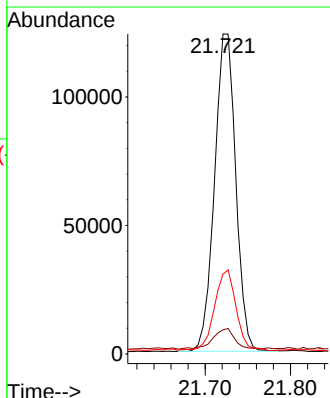
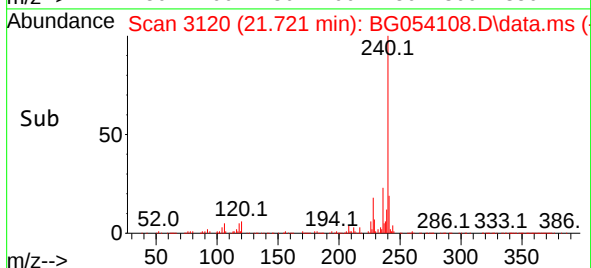
Reviewed By :Christian Giraldo 06/28/2022
Supervised By :Jagrut Upadhyay 06/28/2022

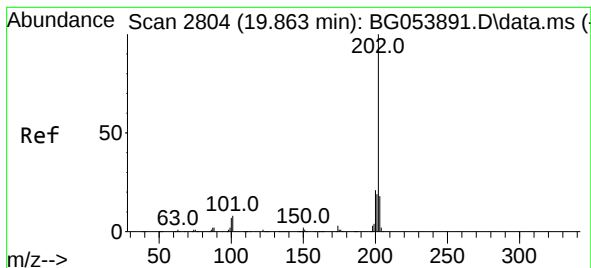


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.721 min Scan# 3120
Delta R.T. 0.002 min
Lab File: BG054108.D
Acq: 28 Jun 2022 1:41



Tgt Ion:240 Resp: 213816
Ion Ratio Lower Upper
240 100
120 7.6 4.6 7.0#
236 25.0 20.2 30.4





#78

Pyrene

Concen: 16.244 ng

RT: 19.858 min Scan# 20977

Delta R.T. 0.008 min

Lab File: BG054108.D

Acq: 28 Jun 2022 1:41

Instrument :

BNA_G

ClientSampleId :

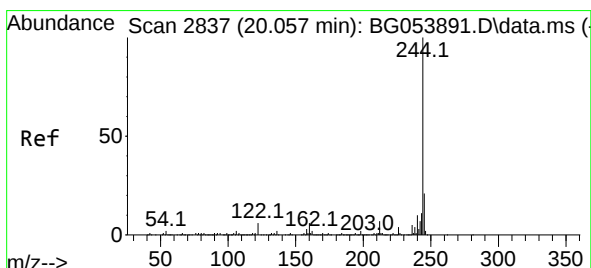
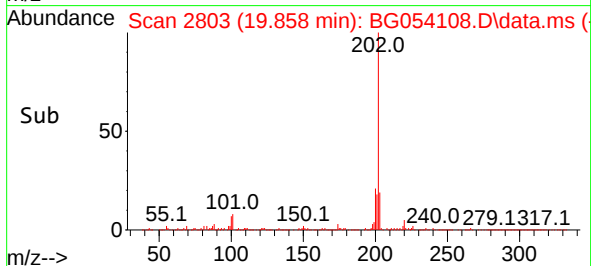
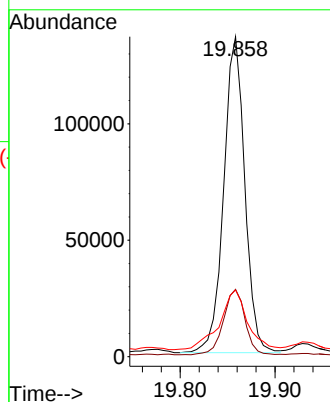
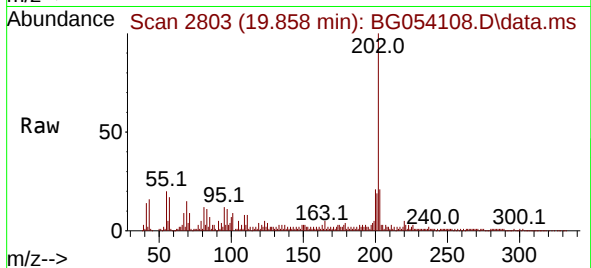
SP-EXC-1-3

Tgt Ion:	202	Resp:	20977
Ion Ratio	Lower	Upper	
202	100		
200	21.1	16.6	24.8
203	20.8	14.6	21.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 06/28/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#79

Terphenyl-d14

Concen: 26.496 ng

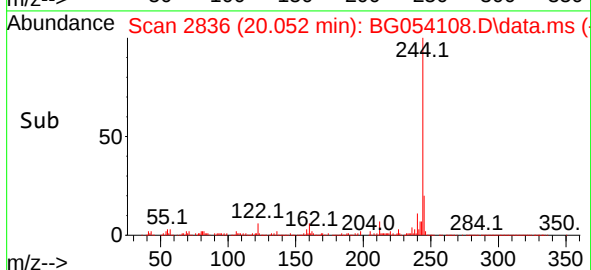
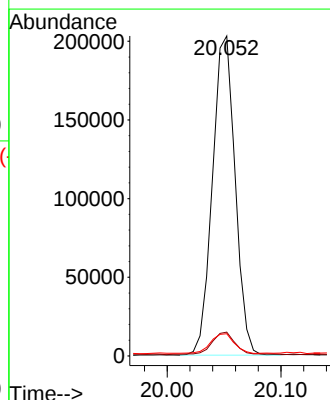
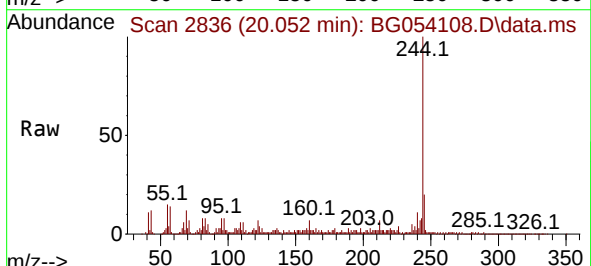
RT: 20.052 min Scan# 2836

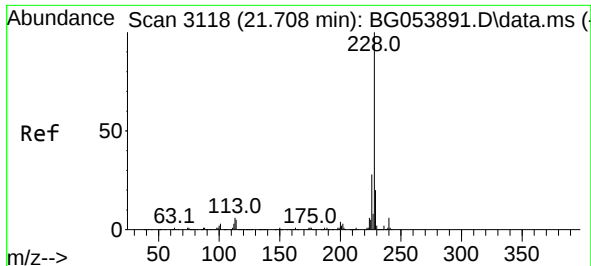
Delta R.T. 0.008 min

Lab File: BG054108.D

Acq: 28 Jun 2022 1:41

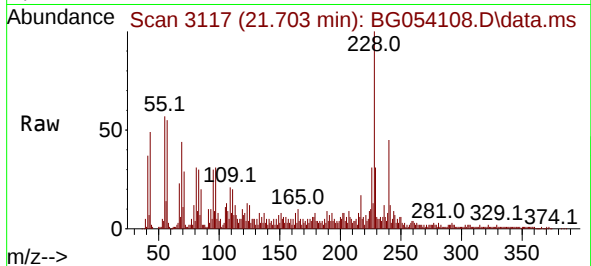
Tgt Ion:	244	Resp:	281287
Ion Ratio	Lower	Upper	
244	100		
212	7.4	6.5	9.7
122	6.9	5.0	7.4





#81
Benzo(a)anthracene
Concen: 7.078 ng
RT: 21.703 min Scan# 3118
Delta R.T. 0.008 min
Lab File: BG054108.D
Acq: 28 Jun 2022 1:41

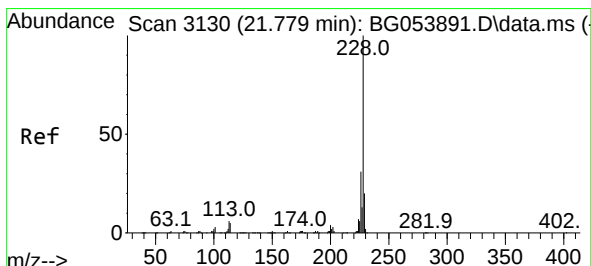
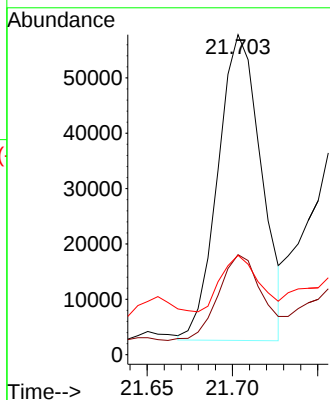
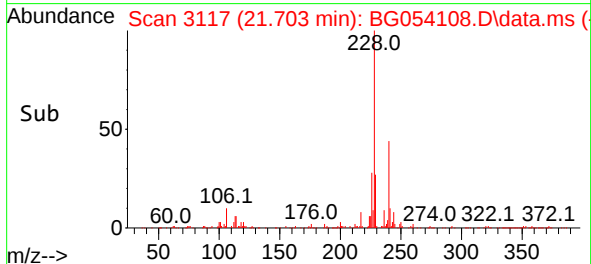
Instrument :
BNA_G
ClientSampleId :
SP-EXC-1-3



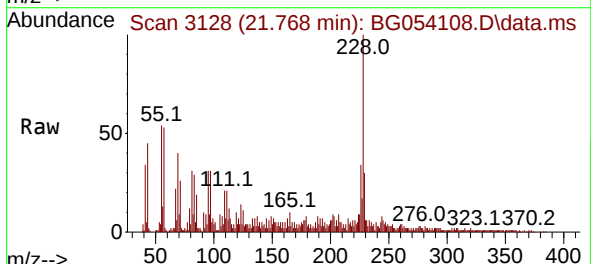
Tgt Ion:228 Resp: 97989
Ion Ratio Lower Upper
228 100
226 31.2 21.6 32.4
229 31.1 16.2 24.2

Manual Integrations
APPROVED

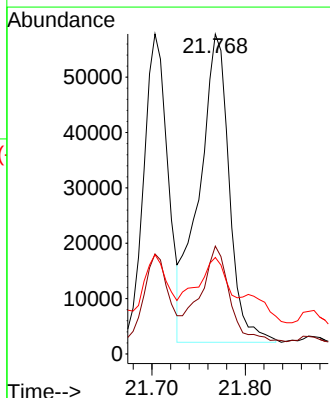
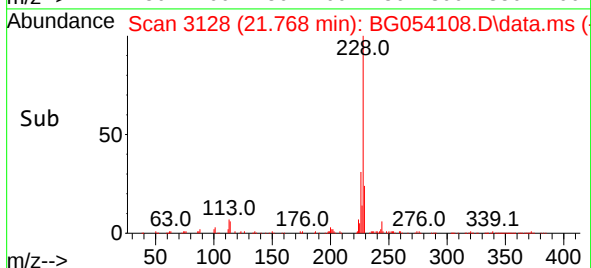
Reviewed By :Christian Giraldo 06/28/2022
Supervised By :Jagrut Upadhyay 06/28/2022

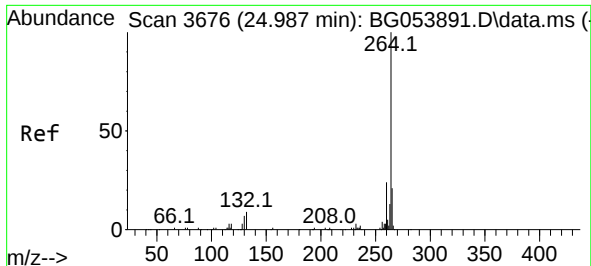


#83
Chrysene
Concen: 9.512 ng m
RT: 21.768 min Scan# 3128
Delta R.T. 0.008 min
Lab File: BG054108.D
Acq: 28 Jun 2022 1:41



Tgt Ion:228 Resp: 125525
Ion Ratio Lower Upper
228 100
226 33.7 23.4 35.2
229 30.1 15.5 23.3





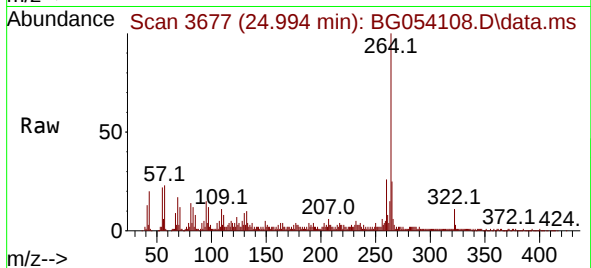
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.994 min Scan# 30
 Delta R.T. 0.031 min
 Lab File: BG054108.D
 Acq: 28 Jun 2022 1:41

Instrument :

BNA_G

ClientSampleId :

SP-EXC-1-3

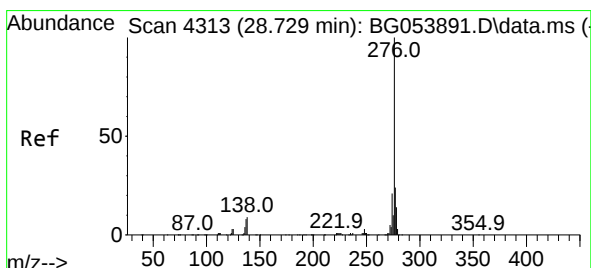
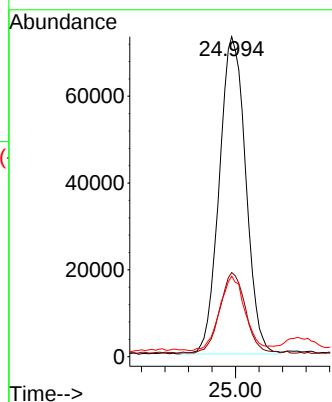
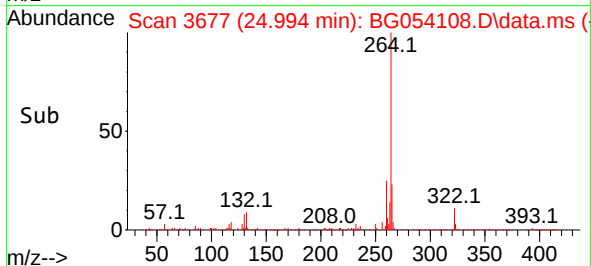


Tgt Ion:264 Resp: 227915
 Ion Ratio Lower Upper
 264 100
 260 26.3 19.0 28.6
 265 25.1 17.4 26.2

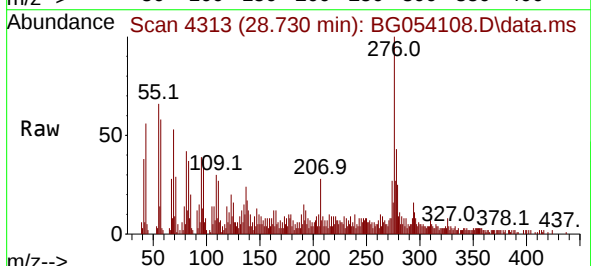
Manual Integrations

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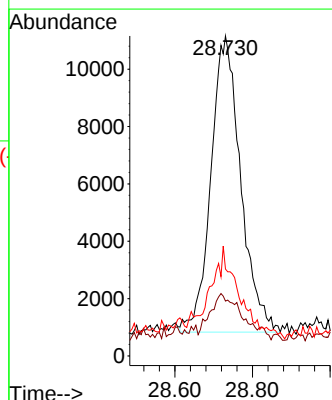
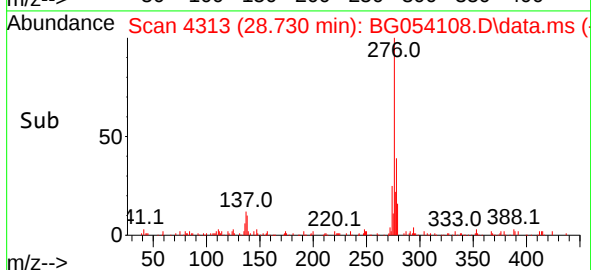
Reviewed By :Christian Giraldo 06/28/2022
 Supervised By :Jagrut Upadhyay 06/28/2022

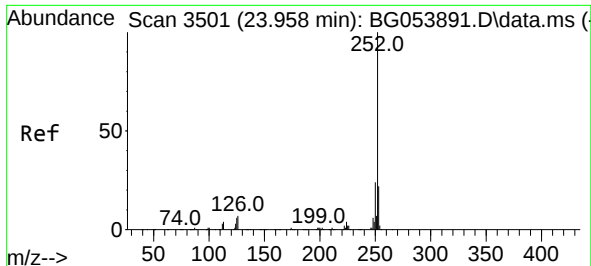


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.198 ng
 RT: 28.730 min Scan# 4313
 Delta R.T. 0.043 min
 Lab File: BG054108.D
 Acq: 28 Jun 2022 1:41



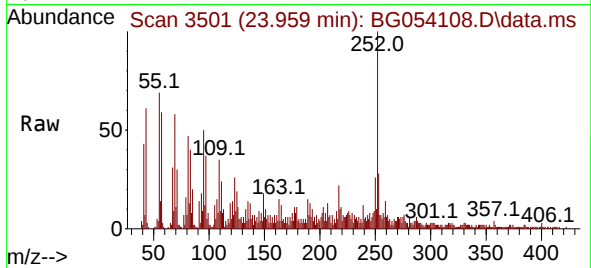
Tgt Ion:276 Resp: 54999
 Ion Ratio Lower Upper
 276 100
 138 13.0 5.0 7.4#
 277 28.8 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 6.661 ng
RT: 23.959 min Scan# 3501
Delta R.T. 0.025 min
Lab File: BG054108.D
Acq: 28 Jun 2022 1:41

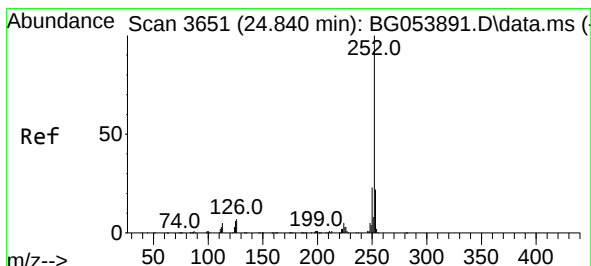
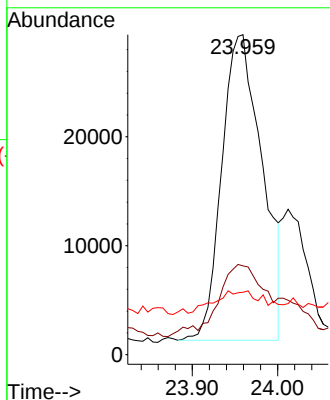
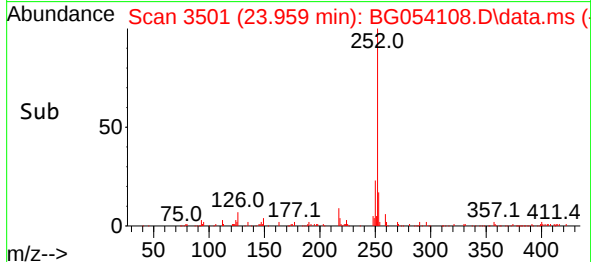
Instrument :
BNA_G
ClientSampleId :
SP-EXC-1-3



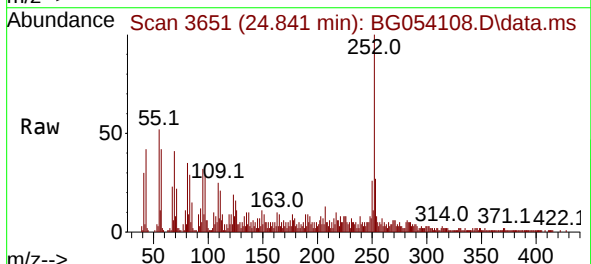
Tgt Ion:252 Resp: 92307
Ion Ratio Lower Upper
252 100
253 27.8 18.0 27.0
125 19.5 4.6 6.8

Manual Integrations
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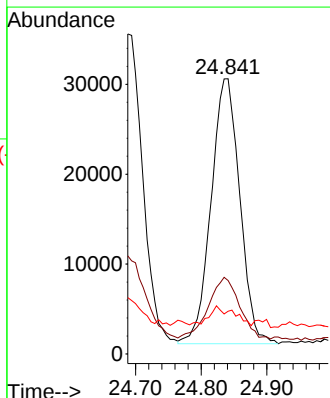
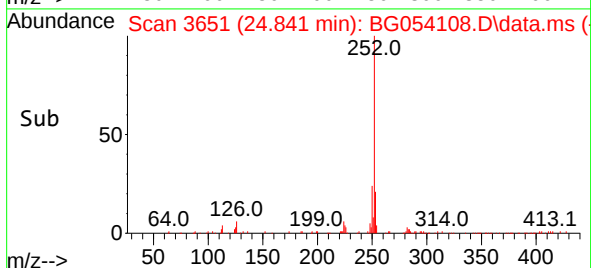
Reviewed By :Christian Giraldo 06/28/2022
Supervised By :Jagrut Upadhyay 06/28/2022

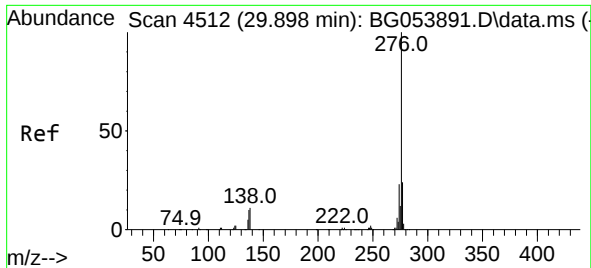


#90
Benzo(a)pyrene
Concen: 7.659 ng
RT: 24.841 min Scan# 3651
Delta R.T. 0.025 min
Lab File: BG054108.D
Acq: 28 Jun 2022 1:41



Tgt Ion:252 Resp: 89555
Ion Ratio Lower Upper
252 100
253 26.7 17.8 26.8
125 15.5 4.3 6.5





#92

Benzo(g,h,i)perylene

Concen: 5.875 ng

RT: 29.900 min Scan# 4512

Delta R.T. 0.037 min

Lab File: BG054108.D

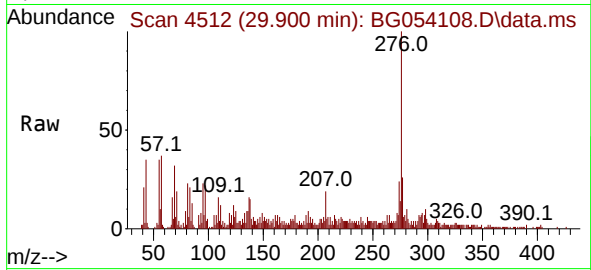
Acq: 28 Jun 2022 1:41

Instrument :

BNA_G

ClientSampleId :

SP-EXC-1-3



Tgt Ion:	276	Resp:	8245
Ion Ratio	Lower	Upper	
276	100		
277	25.7	17.3	25.9
138	14.6	9.6	14.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 06/28/2022
Supervised By :Jagrut Upadhyay 06/28/2022

