

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062722\
 Data File : BG054106.D
 Acq On : 28 Jun 2022 00:22
 Operator : CG/JU
 Sample : N3462-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-2-3-5-20220622

Manual Integrations
 APPROVED

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

Quant Time: Jun 28 05:00:04 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	24396	20.000	ng	0.00
21) Naphthalene-d8	10.880	136	104977	20.000	ng	0.00
39) Acenaphthene-d10	14.693	164	84096	20.000	ng	0.00
64) Phenanthrene-d10	17.437	188	210307	20.000	ng	0.00
76) Chrysene-d12	21.720	240	205988	20.000	ng	0.00
86) Perylene-d12	24.975	264	215552	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.639	112	129053	101.139	ng	0.00
7) Phenol-d6	7.231	99	184694	106.699	ng	0.00
23) Nitrobenzene-d5	9.229	82	120402	64.453	ng	0.00
42) 2,4,6-Tribromophenol	16.179	330	104608	77.421	ng	0.00
45) 2-Fluorobiphenyl	13.324	172	342527	59.228	ng	0.00
79) Terphenyl-d14	20.045	244	639185	62.497	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.927	128	18650	3.519	ng	99
52) Acenaphthene	14.757	154	17844	3.797	ng	99
58) Fluorene	15.739	166	17186	2.765	ng	# 84
71) Phenanthrene	17.484	178	298713	27.646	ng	98
72) Anthracene	17.572	178	72533	6.874	ng	98
73) Carbazole	17.836	167	46357	5.119	ng	99
75) Fluoranthene	19.493	202	742833	52.371	ng	96
78) Pyrene	19.851	202	644924	51.838	ng	97
81) Benzo(a)anthracene	21.696	228	463213	34.730	ng	98
83) Chrysene	21.761	228	391214	30.772	ng	96
87) Indeno(1,2,3-cd)pyrene	28.688	276	222398	13.672	ng	# 95
88) Benzo(b)fluoranthene	23.941	252	559327	42.677	ng	# 99
89) Benzo(k)fluoranthene	23.999	252	179422m	13.827	ng	
90) Benzo(a)pyrene	24.822	252	355152	32.117	ng	# 98
91) Dibenzo(a,h)anthracene	28.741	278	63978	4.756	ng	# 95
92) Benzo(g,h,i)perylene	29.857	276	208329	15.694	ng	# 93

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

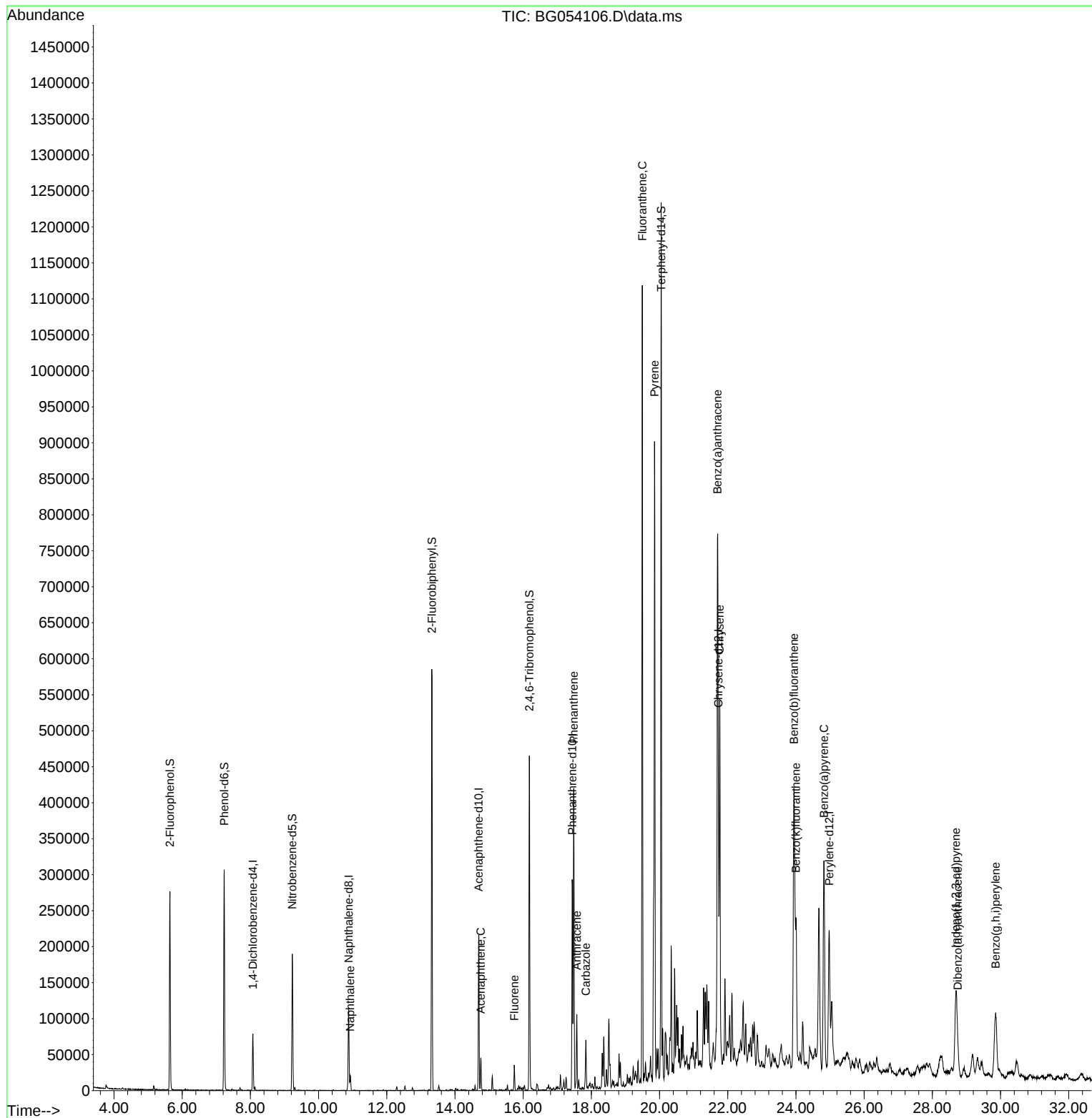
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062722\
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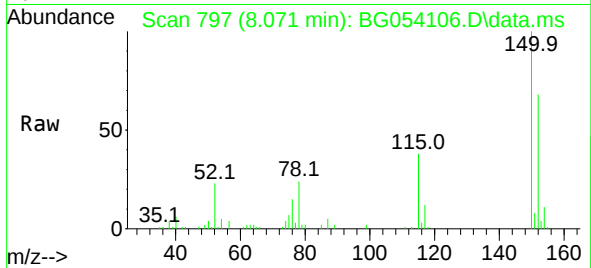
Reviewed By :Christian Giraldo 06/28/2022
Supervised By :Jagrut Upadhyay 06/28/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.071 min Scan# 79
Delta R.T. 0.001 min
Lab File: BG054106.D
Acq: 28 Jun 2022 00:22

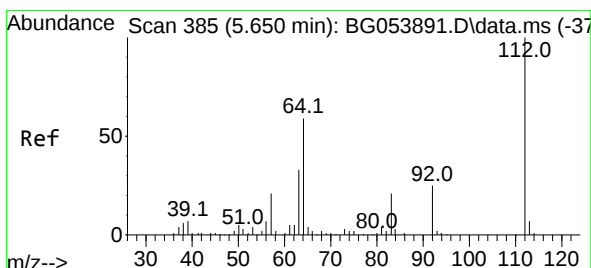
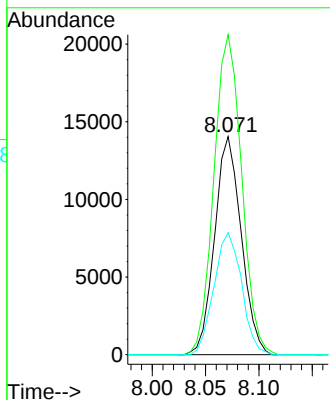
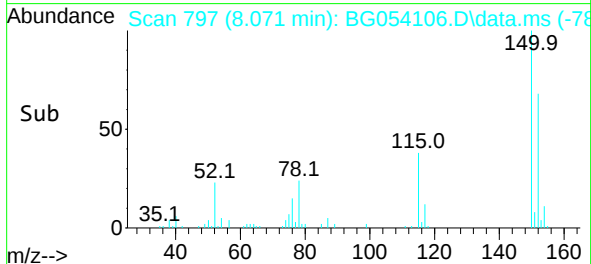
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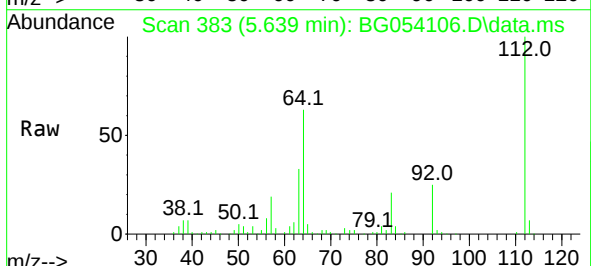
Tgt Ion:152 Resp: 24390
Ion Ratio Lower Upper
152 100
150 146.7 131.6 197.4
115 56.0 50.9 76.3

Manual Integrations
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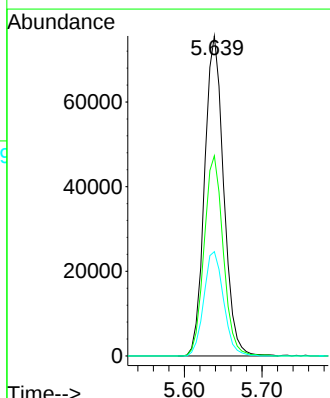
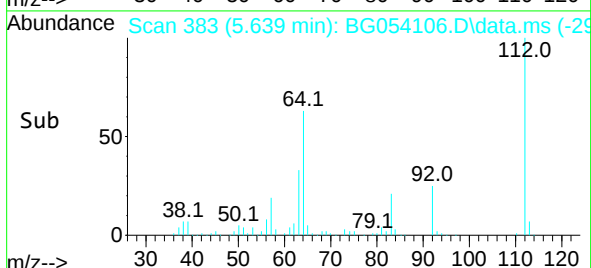
Reviewed By :Christian Giraldo 06/28/2022
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#5
2-Fluorophenol
Concen: 101.139 ng
RT: 5.639 min Scan# 383
Delta R.T. 0.001 min
Lab File: BG054106.D
Acq: 28 Jun 2022 00:22



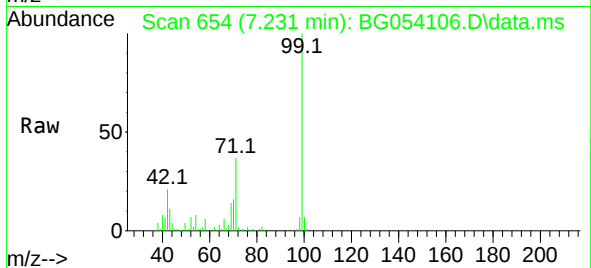
Tgt Ion:112 Resp: 129053
Ion Ratio Lower Upper
112 100
64 62.5 55.1 82.7
63 32.6 30.4 45.6





#7
Phenol-d6
Concen: 106.699 ng
RT: 7.231 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG054106.D
Acq: 28 Jun 2022 00:22

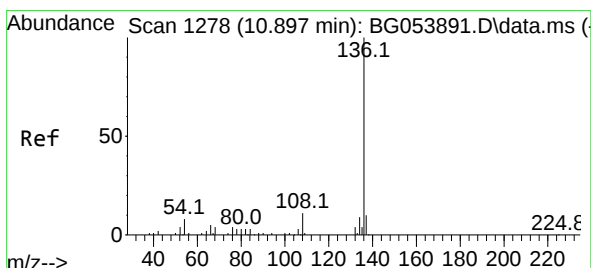
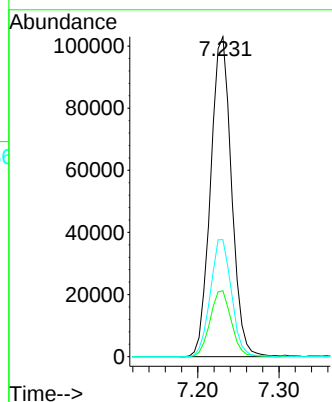
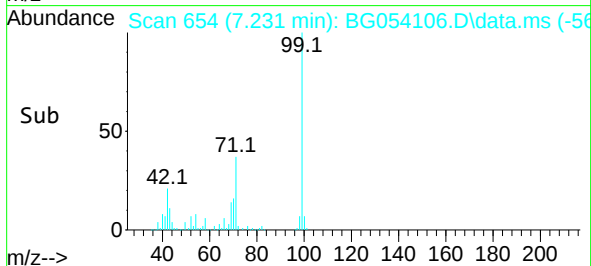
Instrument :
BNA_G
ClientSampleId :
SB-2-3-5-20220622



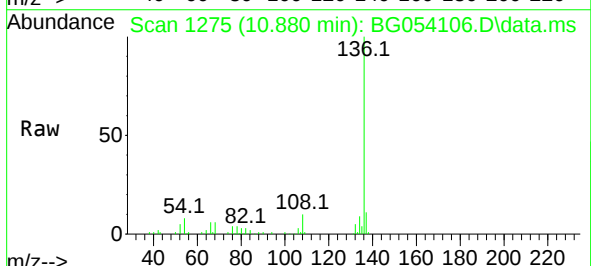
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Ion Ratio Lower Upper
99 100
42 20.6 17.0 25.6
71 36.5 33.8 50.8

Manual Integrations
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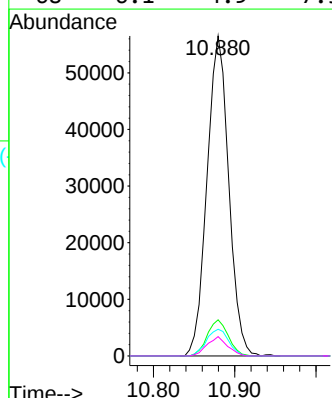
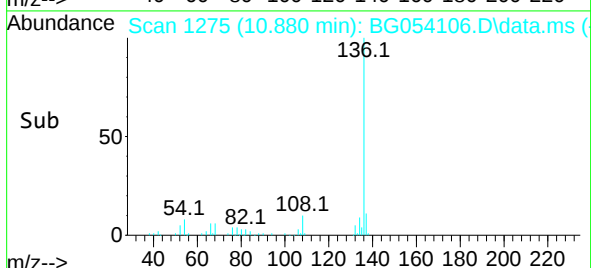
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.880 min Scan# 1275
Delta R.T. 0.001 min
Lab File: BG054106.D
Acq: 28 Jun 2022 00:22



Tgt Ion:136 Resp: 104977
Ion Ratio Lower Upper
136 100
137 11.3 8.5 12.7
54 8.4 7.4 11.2
68 6.1 4.9 7.3





#23
Nitrobenzene-d5
Concen: 64.453 ng
RT: 9.229 min Scan# 997
Delta R.T. -0.005 min
Lab File: BG054106.D
Acq: 28 Jun 2022 00:22

Instrument :

BNA_G

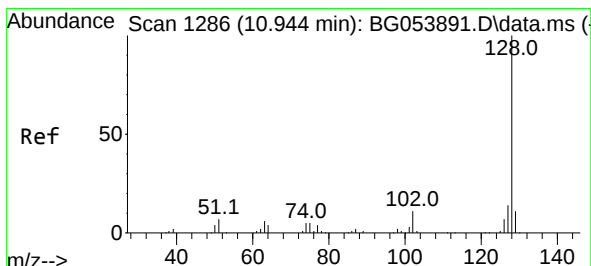
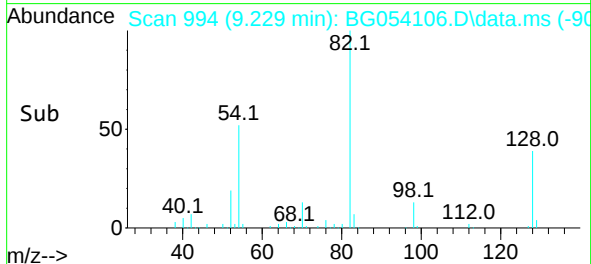
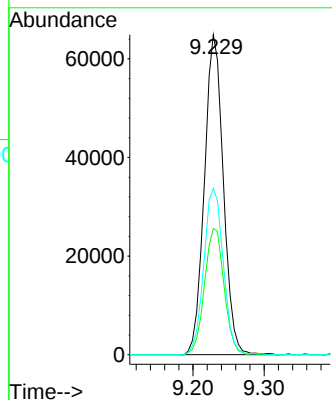
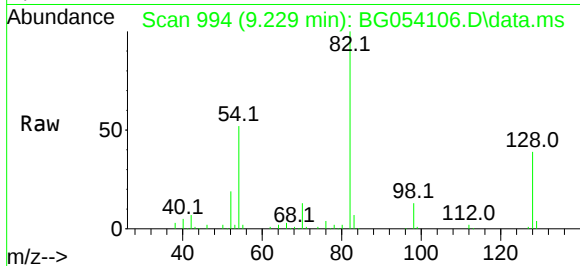
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Tgt Ion: 82 Resp: 12040
Ion Ratio Lower Upper
82 100
128 39.4 27.9 41.9
54 51.9 41.2 61.8

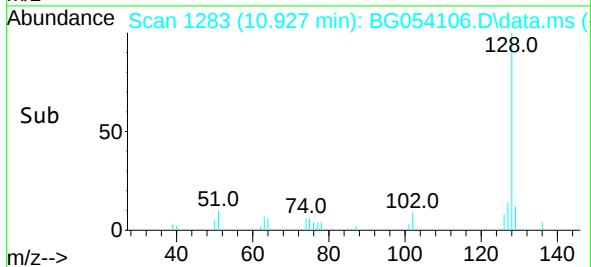
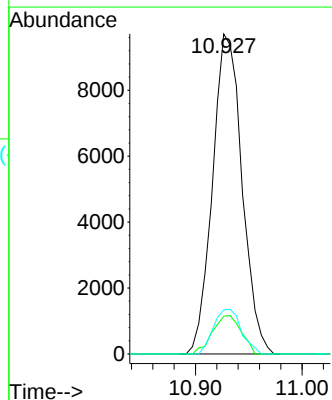
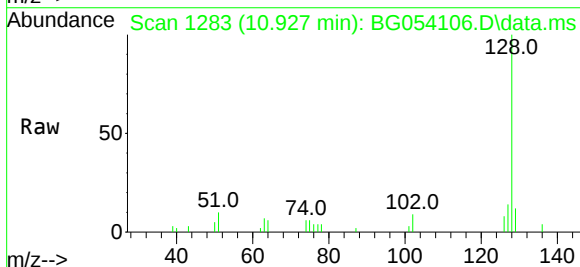
Manual Integrations
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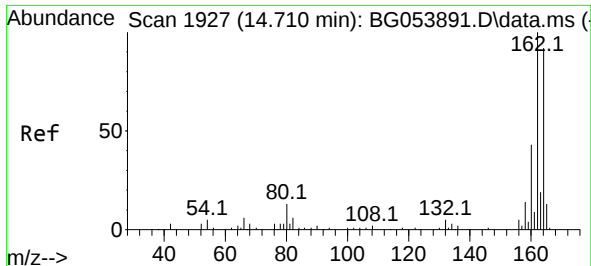
Reviewed By :Christian Giraldo 06/28/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#31
Naphthalene
Concen: 3.519 ng
RT: 10.927 min Scan# 1283
Delta R.T. -0.005 min
Lab File: BG054106.D
Acq: 28 Jun 2022 00:22

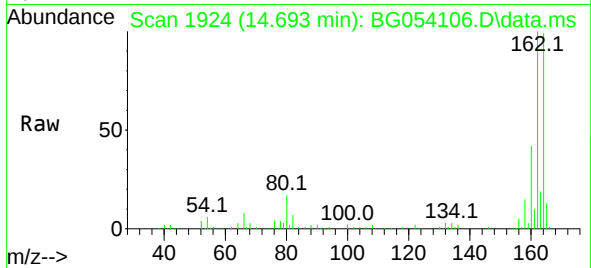
Tgt Ion:128 Resp: 18650
Ion Ratio Lower Upper
128 100
129 11.8 9.0 13.6
127 13.7 11.1 16.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.693 min Scan# 1924
Delta R.T. -0.005 min
Lab File: BG054106.D
Acq: 28 Jun 2022 00:22

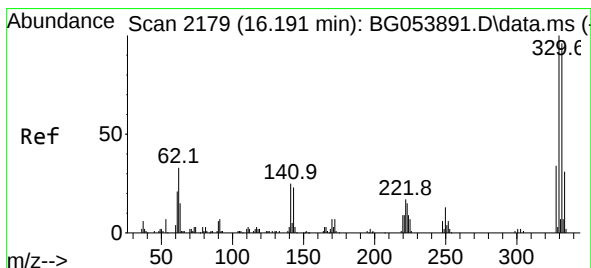
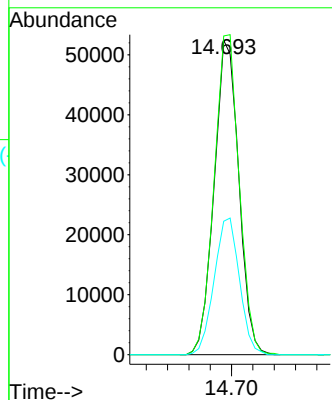
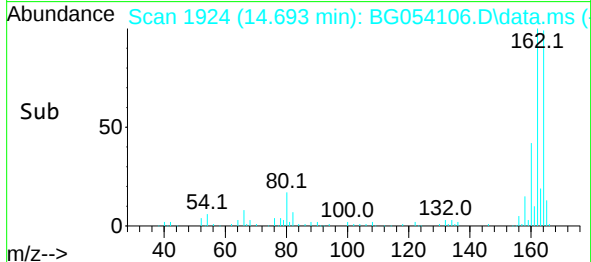
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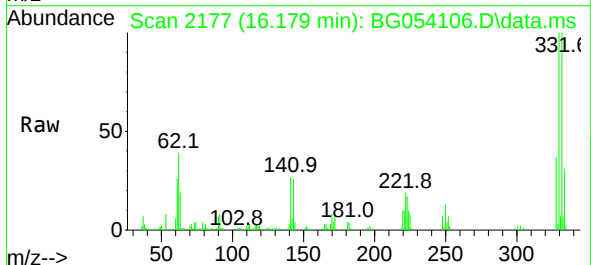
Tgt Ion:164 Resp: 84090
Ion Ratio Lower Upper
164 100
162 101.3 82.3 123.5
160 42.4 34.2 51.2

Manual Integrations
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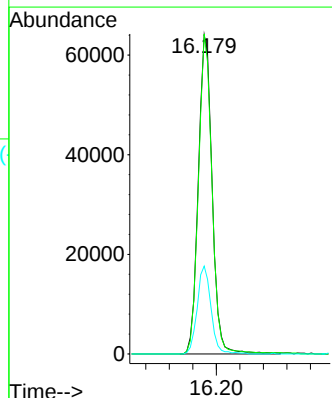
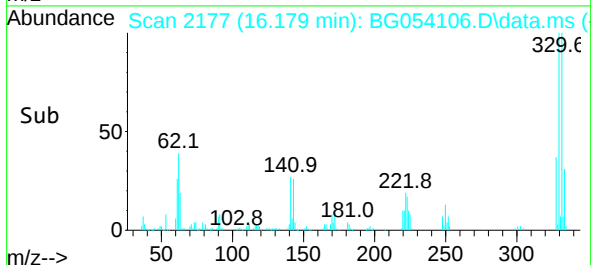
Reviewed By :Christian Giraldo 06/28/2022
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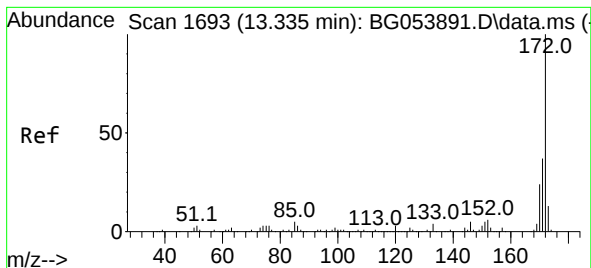


#42
2,4,6-Tribromophenol
Concen: 77.421 ng
RT: 16.179 min Scan# 2177
Delta R.T. -0.005 min
Lab File: BG054106.D
Acq: 28 Jun 2022 00:22



Tgt Ion:330 Resp: 104608
Ion Ratio Lower Upper
330 100
332 97.6 76.0 114.0
141 27.4 27.1 40.7





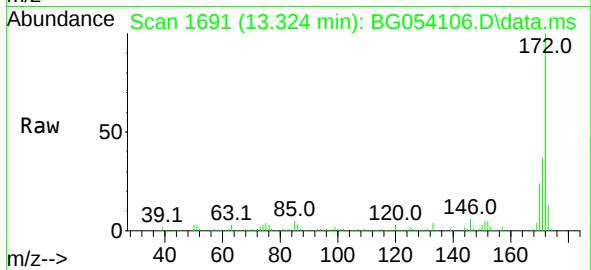
#45
2-Fluorobiphenyl
Concen: 59.228 ng
RT: 13.324 min Scan# 1691
Delta R.T. 0.001 min
Lab File: BG054106.D
Acq: 28 Jun 2022 00:22

Instrument :

BNA_G

ClientSampleId :

SB-2-3-5-20220622

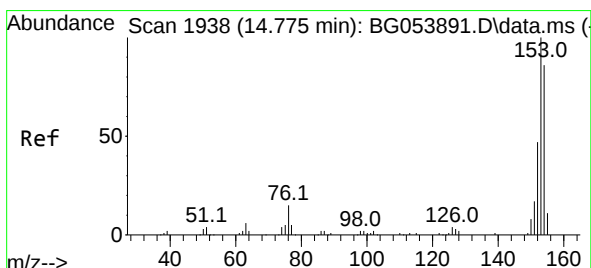
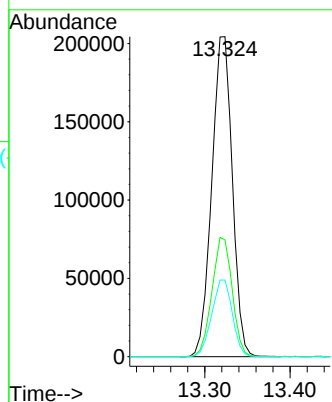
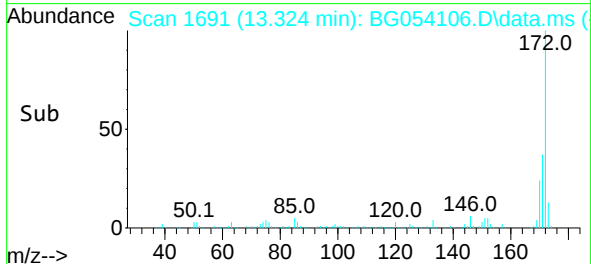


Tgt Ion:172 Resp: 34252
Ion Ratio Lower Upper
172 100
171 36.5 28.5 42.7
170 23.9 18.9 28.3

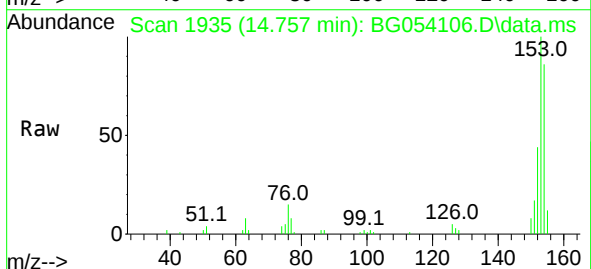
Manual Integrations

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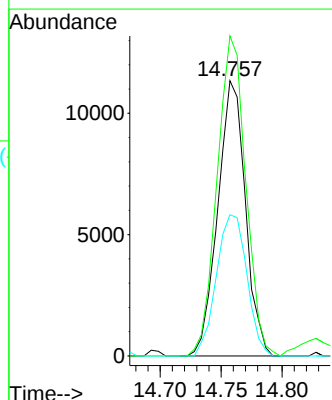
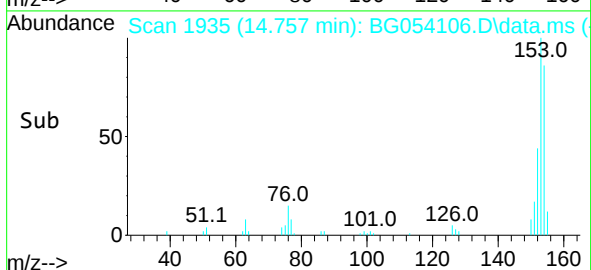
Reviewed By :Christian Giraldo 06/28/2022
Supervised By :Jagrut Upadhyay 06/28/2022

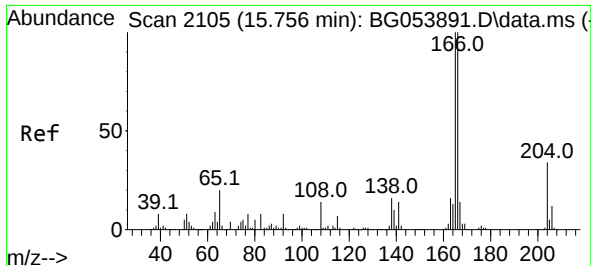


#52
Acenaphthene
Concen: 3.797 ng
RT: 14.757 min Scan# 1935
Delta R.T. -0.005 min
Lab File: BG054106.D
Acq: 28 Jun 2022 00:22



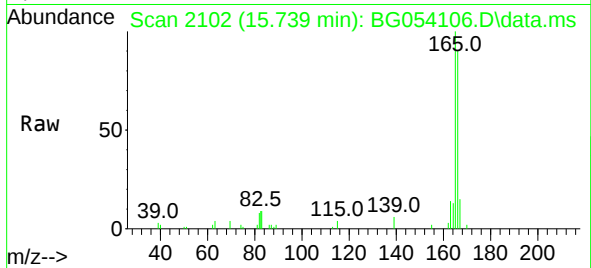
Tgt Ion:154 Resp: 17844
Ion Ratio Lower Upper
154 100
153 116.3 92.7 139.1
152 51.3 42.6 64.0





#58
 Fluorene
 Concen: 2.765 ng
 RT: 15.739 min Scan# 2105
 Delta R.T. -0.005 min
 Lab File: BG054106.D
 Acq: 28 Jun 2022 00:22

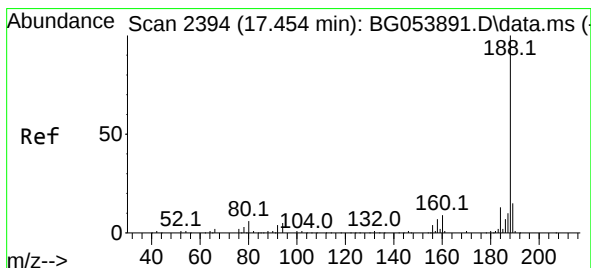
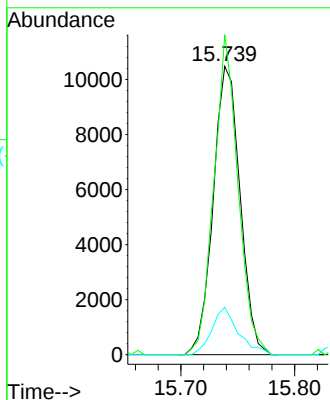
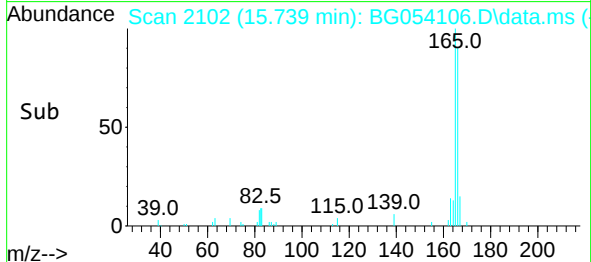
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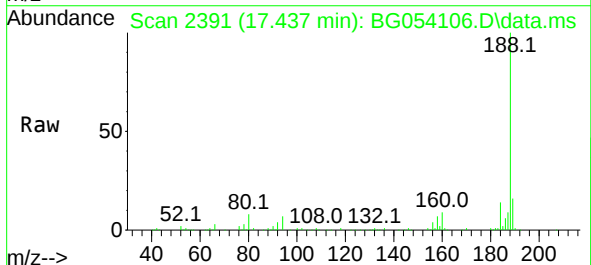
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 Ion Ratio Lower Upper
 166 100
 165 111.0 75.0 112.6
 167 16.4 10.8 16.2

Manual Integrations
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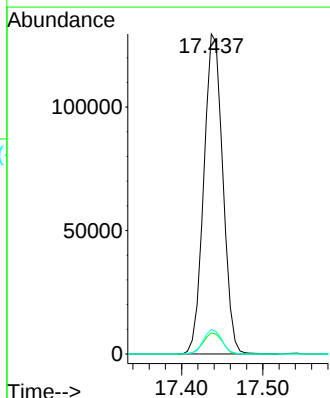
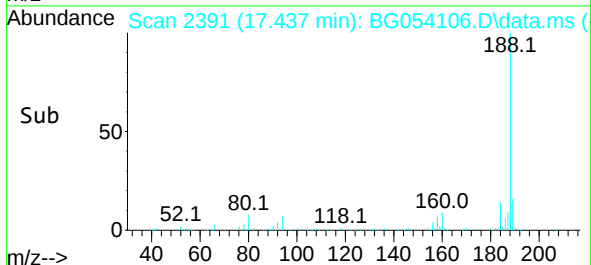
Reviewed By :Christian Giraldo 06/28/2022
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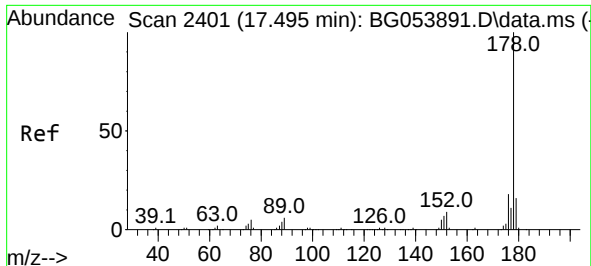


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.437 min Scan# 2391
 Delta R.T. -0.005 min
 Lab File: BG054106.D
 Acq: 28 Jun 2022 00:22



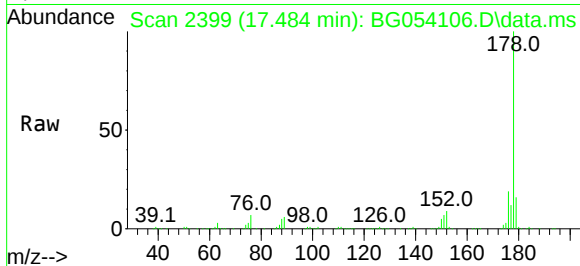
Tgt Ion:188 Resp: 210307
 Ion Ratio Lower Upper
 188 100
 94 6.6 5.4 8.0
 80 7.6 6.8 10.2





#71
Phenanthrene
Concen: 27.646 ng
RT: 17.484 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG054106.D
Acq: 28 Jun 2022 00:22

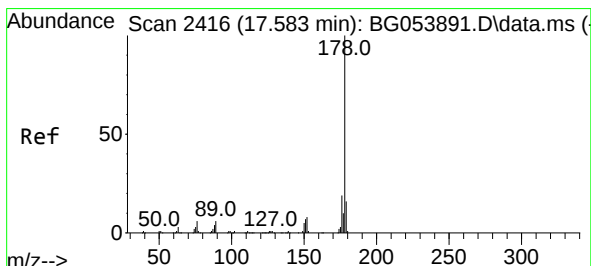
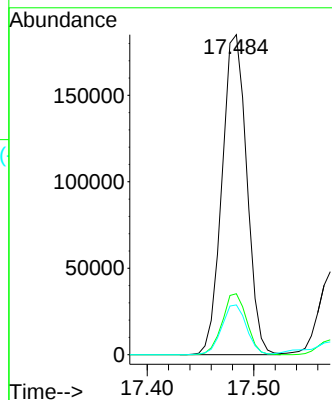
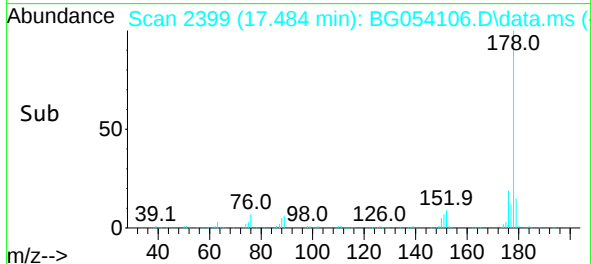
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SB-2-3-5-20220622



Tgt Ion:178 Resp: 29871
Ion Ratio Lower Upper
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179 15.5 12.1 18.1

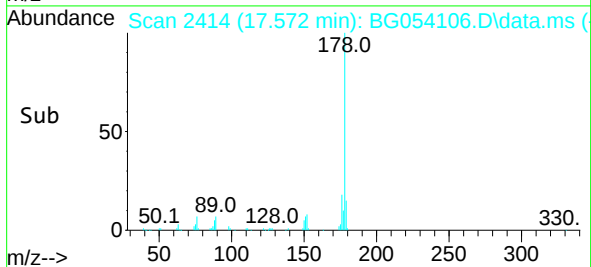
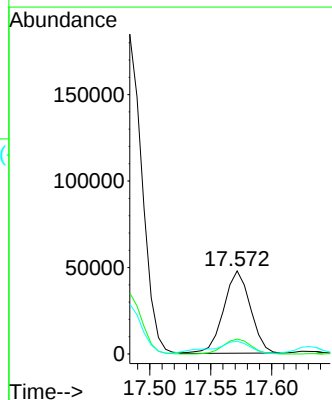
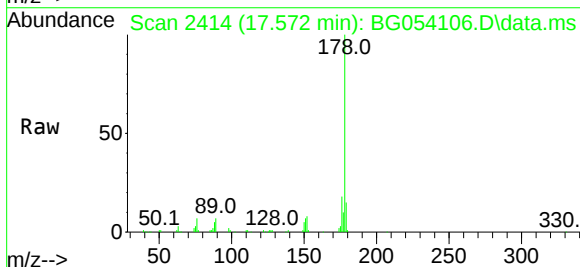
Manual Integrations
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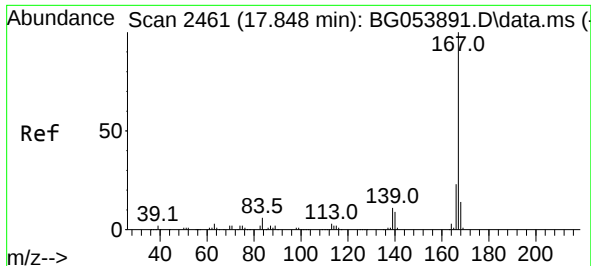
Reviewed By :Christian Giraldo 06/28/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#72
Anthracene
Concen: 6.874 ng
RT: 17.572 min Scan# 2414
Delta R.T. -0.005 min
Lab File: BG054106.D
Acq: 28 Jun 2022 00:22

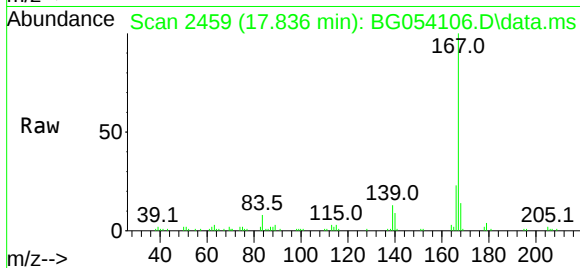
Tgt Ion:178 Resp: 72533
Ion Ratio Lower Upper
178 100
176 17.9 15.2 22.8
179 15.4 13.0 19.4





#73
 Carbazole
 Concen: 5.119 ng
 RT: 17.836 min Scan# 2461
 Delta R.T. -0.005 min
 Lab File: BG054106.D
 Acq: 28 Jun 2022 00:22

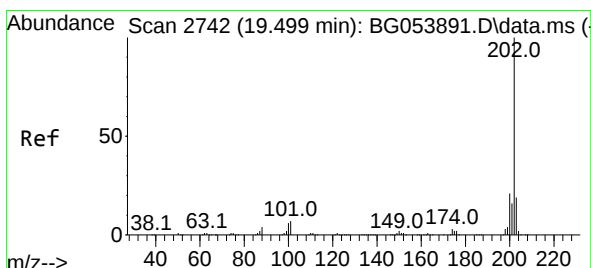
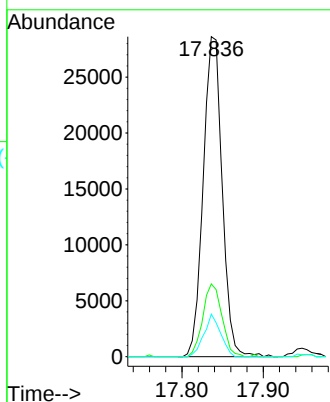
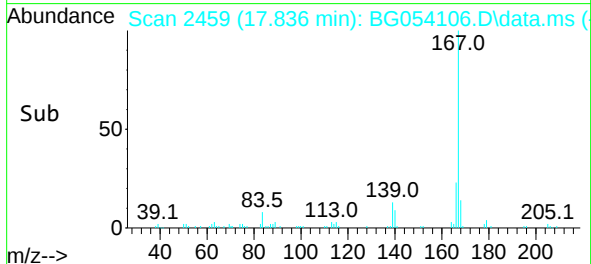
Instrument :
 BNA_G
 ClientSampleId :
 SB-2-3-5-20220622



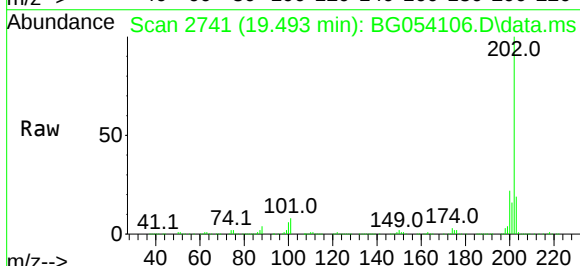
Tgt Ion:167 Resp: 4635
 Ion Ratio Lower Upper
 167 100
 166 22.7 18.2 27.2
 139 13.3 10.1 15.1

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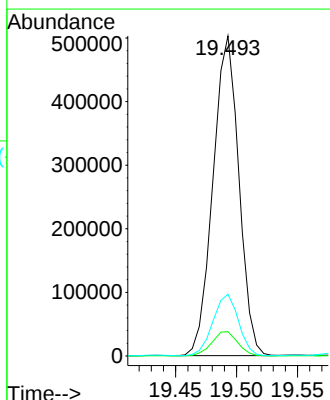
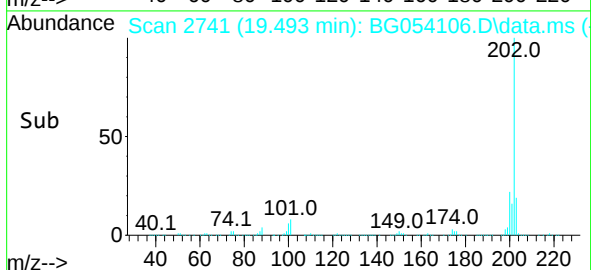
Reviewed By :Christian Giraldo 06/28/2022
 Supervised By :Jagrut Upadhyay 06/28/2022

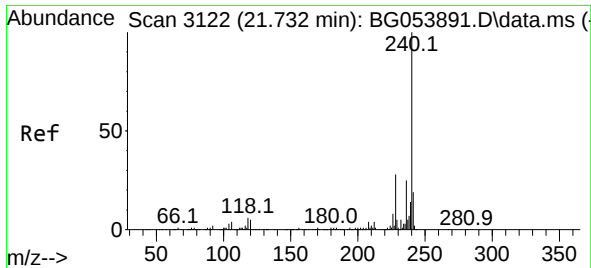


#75
 Fluoranthene
 Concen: 52.371 ng
 RT: 19.493 min Scan# 2741
 Delta R.T. 0.001 min
 Lab File: BG054106.D
 Acq: 28 Jun 2022 00:22



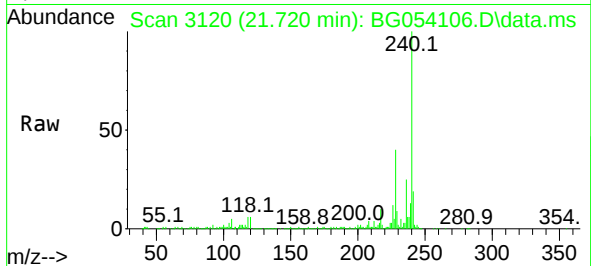
Tgt Ion:202 Resp: 742833
 Ion Ratio Lower Upper
 202 100
 101 7.6 0.0 26.9
 203 19.3 0.0 37.2





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.720 min Scan# 3122
Delta R.T. 0.001 min
Lab File: BG054106.D
Acq: 28 Jun 2022 00:22

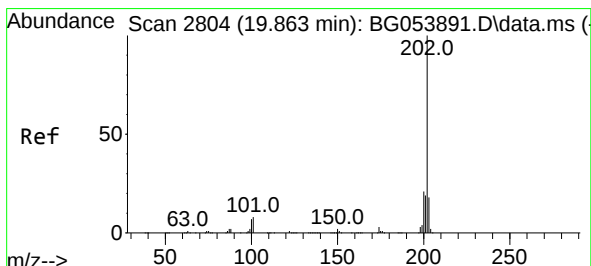
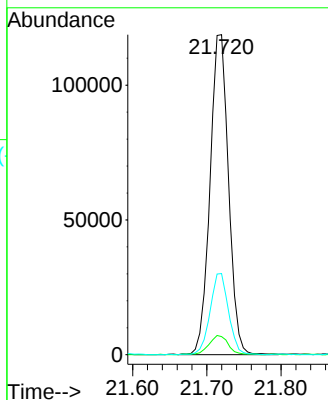
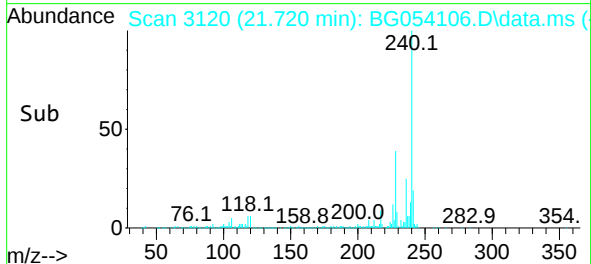
Instrument :
BNA_G
ClientSampleId :
SB-2-3-5-20220622



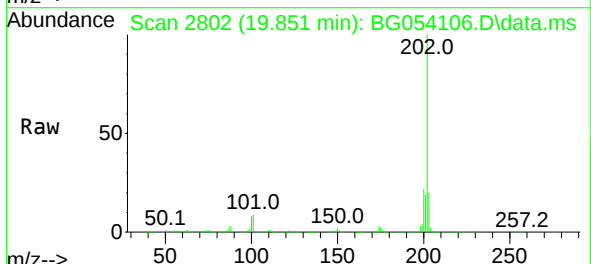
Tgt Ion:240 Resp: 205988
Ion Ratio Lower Upper
240 100
120 5.7 4.6 7.0
236 25.4 20.2 30.4

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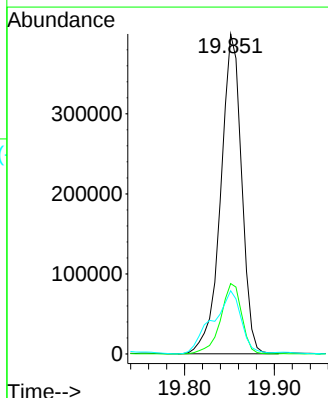
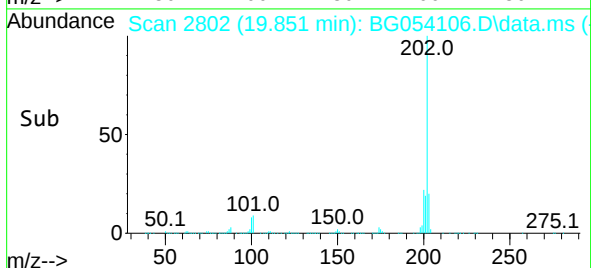
Reviewed By :Christian Giraldo 06/28/2022
Supervised By :Jagrut Upadhyay 06/28/2022

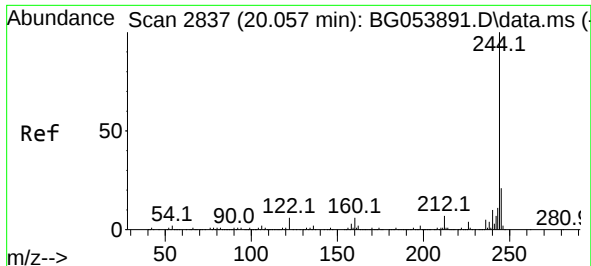


#78
Pyrene
Concen: 51.838 ng
RT: 19.851 min Scan# 2802
Delta R.T. 0.001 min
Lab File: BG054106.D
Acq: 28 Jun 2022 00:22



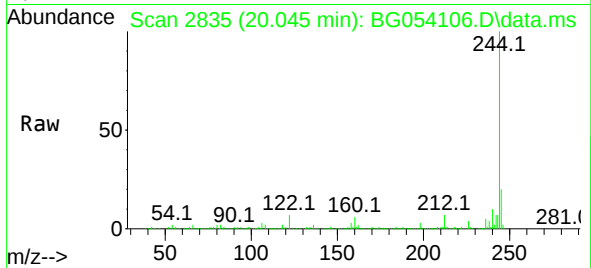
Tgt Ion:202 Resp: 644924
Ion Ratio Lower Upper
202 100
200 22.0 16.6 24.8
203 19.7 14.6 21.8





#79
 Terphenyl-d14
 Concen: 62.497 ng
 RT: 20.045 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: BG054106.D
 Acq: 28 Jun 2022 00:22

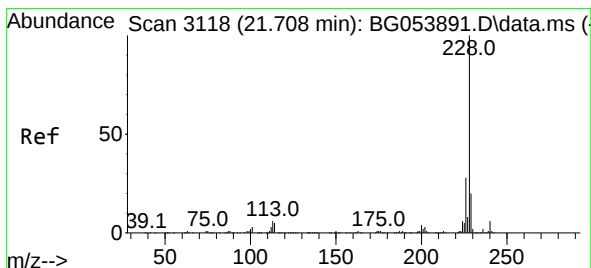
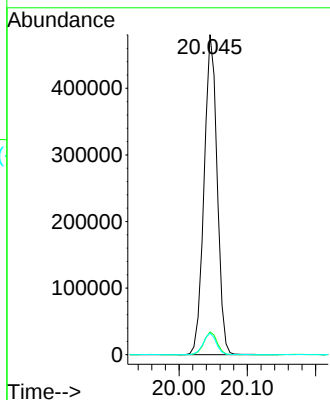
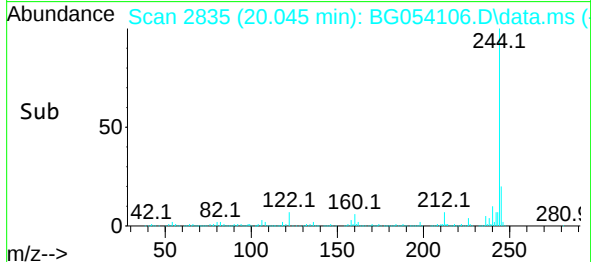
Instrument :
 BNA_G
 ClientSampleId :
 SB-2-3-5-20220622



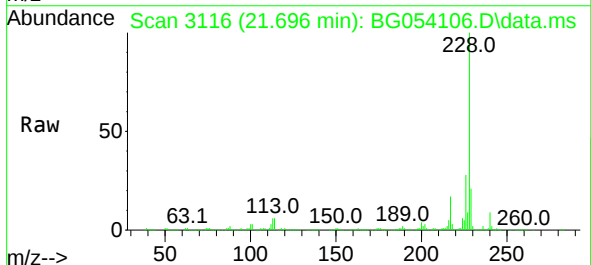
Tgt Ion:244 Resp: 63918
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.5 9.7
 122 6.8 5.0 7.4

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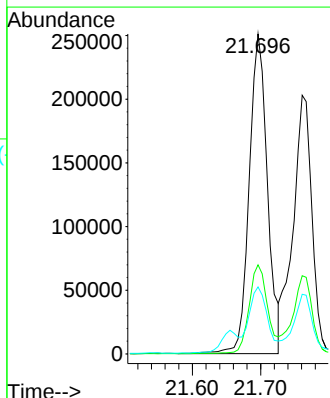
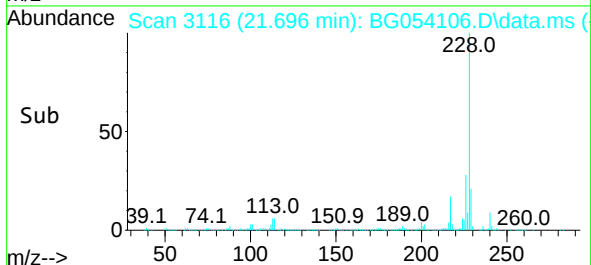
Reviewed By :Christian Giraldo 06/28/2022
 Supervised By :Jagrut Upadhyay 06/28/2022

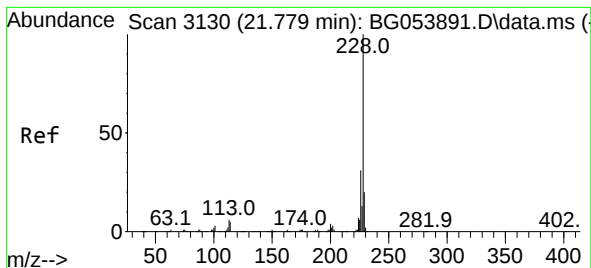


#81
 Benzo(a)anthracene
 Concen: 34.730 ng
 RT: 21.696 min Scan# 3116
 Delta R.T. 0.001 min
 Lab File: BG054106.D
 Acq: 28 Jun 2022 00:22



Tgt Ion:228 Resp: 463213
 Ion Ratio Lower Upper
 228 100
 226 27.8 21.6 32.4
 229 21.0 16.2 24.2





#83

Chrysene

Concen: 30.772 ng

RT: 21.761 min Scan# 31

Delta R.T. 0.001 min

Lab File: BG054106.D

Acq: 28 Jun 2022 00:22

Instrument :

BNA_G

ClientSampleId :

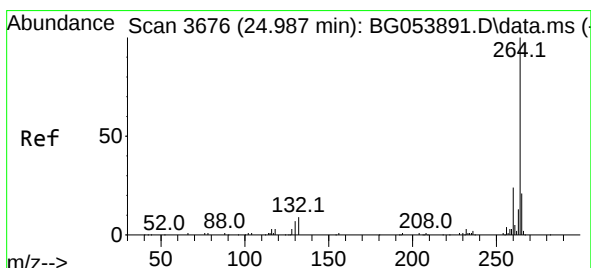
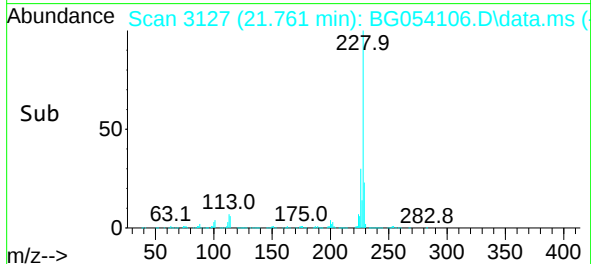
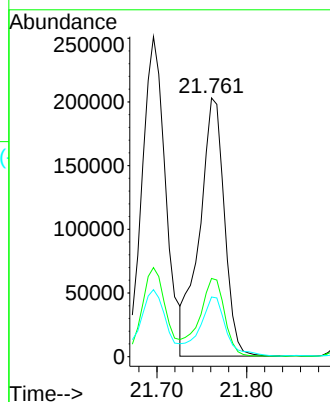
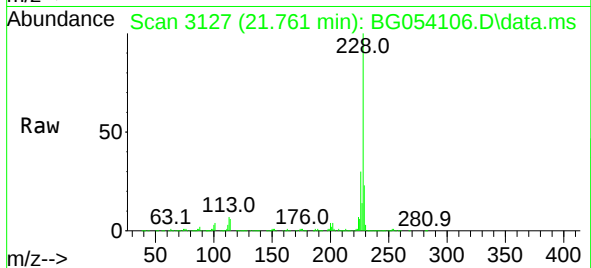
SB-2-3-5-20220622

Tgt Ion:228 Resp: 391214
 Ion Ratio Lower Upper
 228 100
 226 30.2 23.4 35.2
 229 23.1 15.5 23.3

Manual Integrations

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 Supervised By :Jagrut Upadhyay 06/28/2022



#86

Perylene-d12

Concen: 20.000 ng

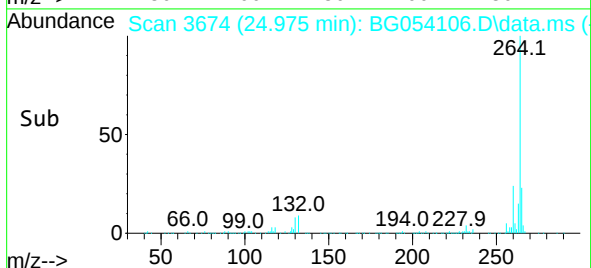
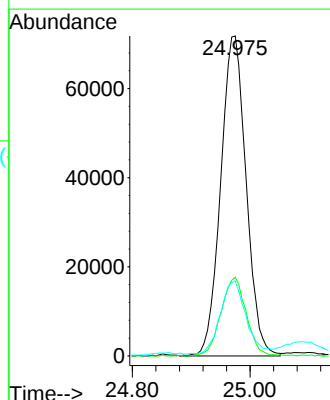
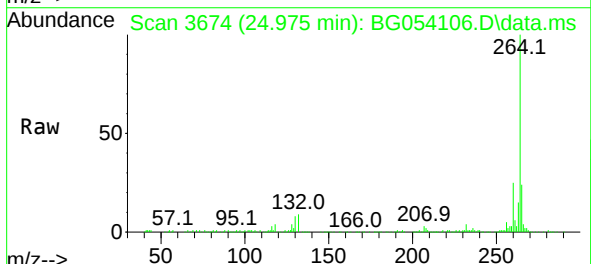
RT: 24.975 min Scan# 3674

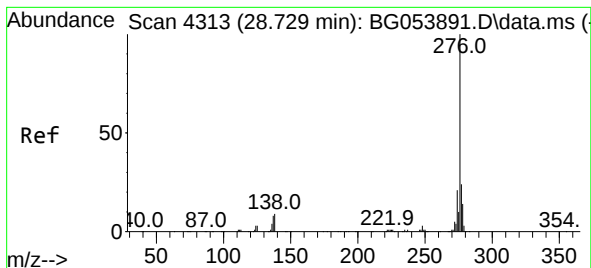
Delta R.T. 0.012 min

Lab File: BG054106.D

Acq: 28 Jun 2022 00:22

Tgt Ion:264 Resp: 215552
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.0 28.6
 265 23.5 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 13.672 ng

RT: 28.688 min Scan# 41

Delta R.T. 0.001 min

Lab File: BG054106.D

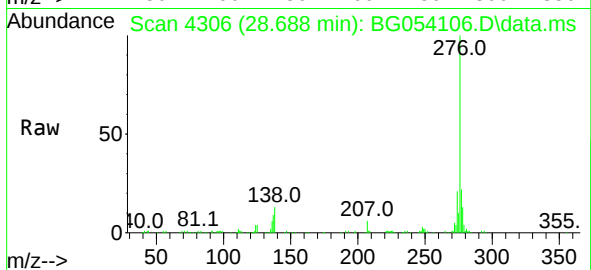
Acq: 28 Jun 2022 00:22

Instrument :

BNA_G

ClientSampleId :

SB-2-3-5-20220622



Tgt Ion:276 Resp: 222398

Ion Ratio Lower Upper

276 100

138 13.6 5.0 7.4

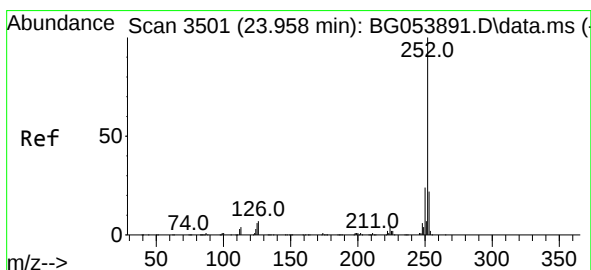
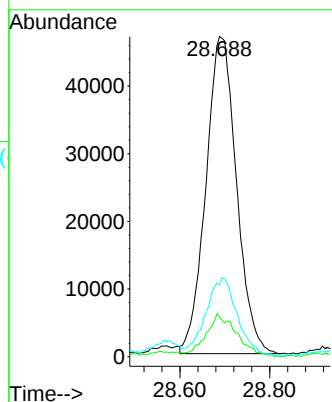
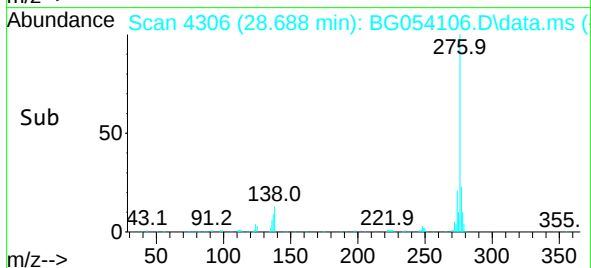
277 26.0 20.3 30.5

Manual Integrations

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Reviewed By :Christian Giraldo 06/28/2022

Supervised By :Jagrut Upadhyay 06/28/2022



#88

Benzo(b)fluoranthene

Concen: 42.677 ng

RT: 23.941 min Scan# 3498

Delta R.T. 0.007 min

Lab File: BG054106.D

Acq: 28 Jun 2022 00:22

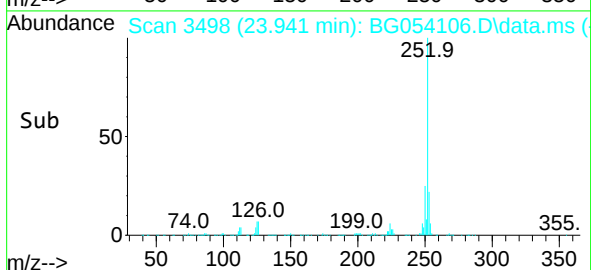
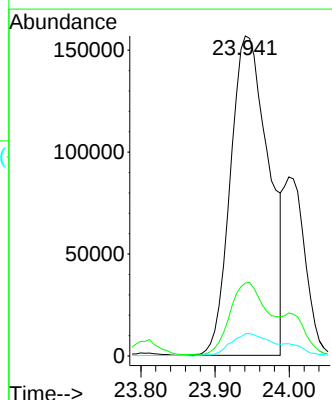
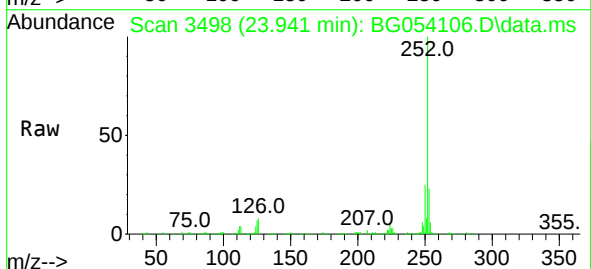
Tgt Ion:252 Resp: 559327

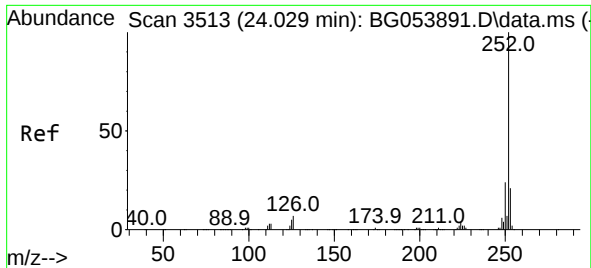
Ion Ratio Lower Upper

252 100

253 22.8 18.0 27.0

125 6.9 4.6 6.8





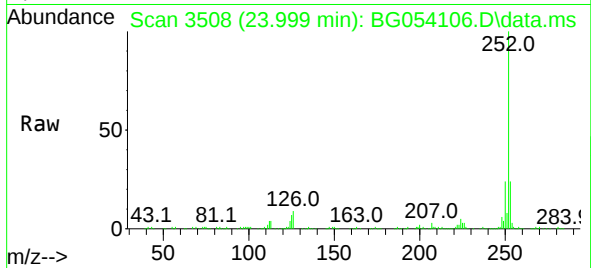
#89
Benzo(k)fluoranthene
Concen: 13.827 ng m
RT: 23.999 min Scan# 31
Delta R.T. -0.005 min
Lab File: BG054106.D
Acq: 28 Jun 2022 00:22

Instrument :

BNA_G

ClientSampleId :

SB-2-3-5-20220622

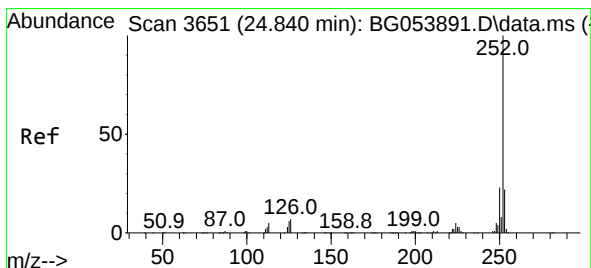
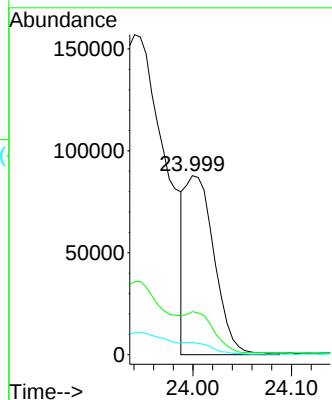
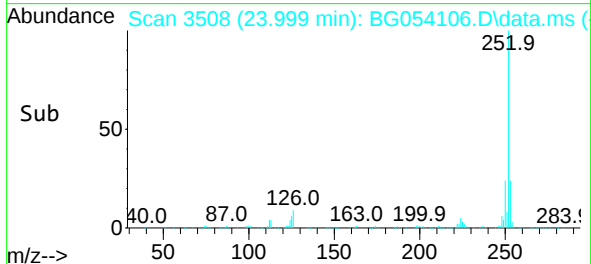


Tgt Ion:252 Resp: 17942
Ion Ratio Lower Upper
252 100
253 24.1 18.4 27.6
125 6.8 4.8 7.2

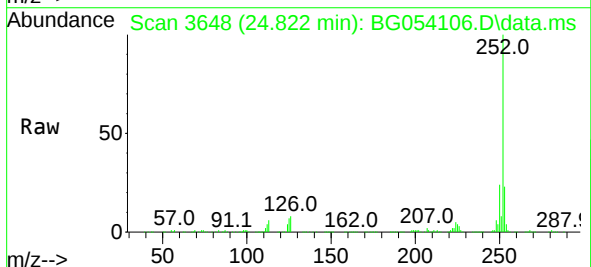
Manual Integrations

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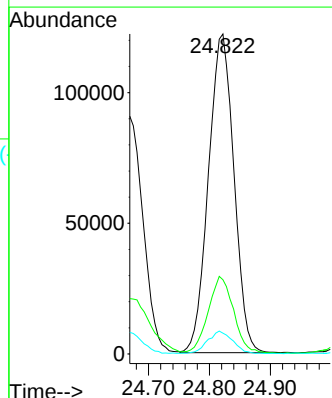
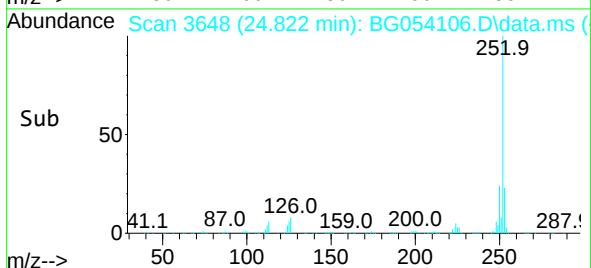
Reviewed By :Christian Giraldo 06/28/2022
Supervised By :Jagrut Upadhyay 06/28/2022

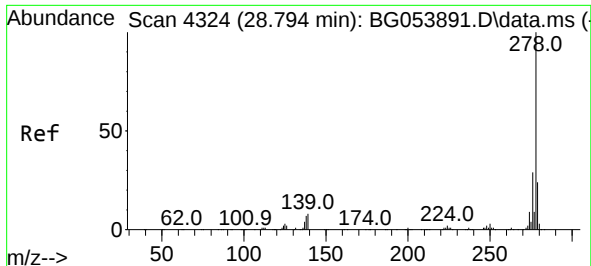


#90
Benzo(a)pyrene
Concen: 32.117 ng
RT: 24.822 min Scan# 3648
Delta R.T. 0.007 min
Lab File: BG054106.D
Acq: 28 Jun 2022 00:22



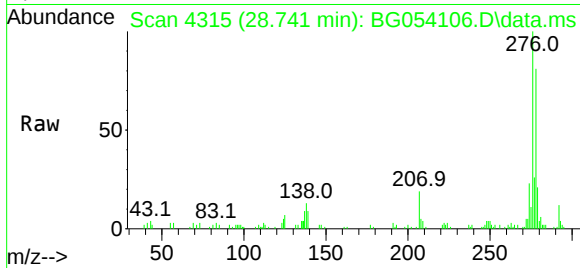
Tgt Ion:252 Resp: 355152
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.8
125 6.5 4.3 6.5#





#91
Dibenzo(a,h)anthracene
Concen: 4.756 ng
RT: 28.741 min Scan# 41
Delta R.T. -0.005 min
Lab File: BG054106.D
Acq: 28 Jun 2022 00:22

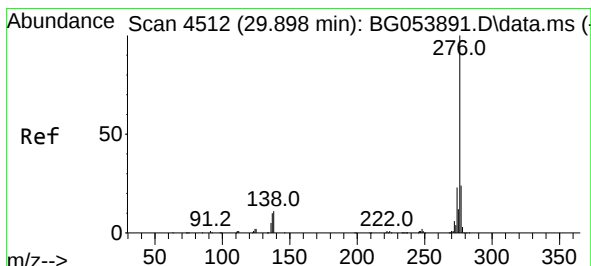
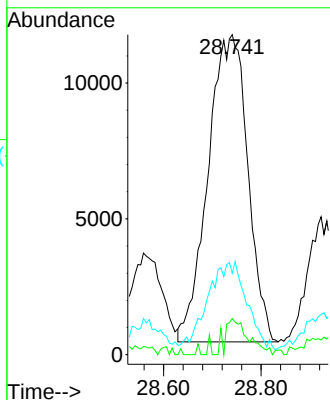
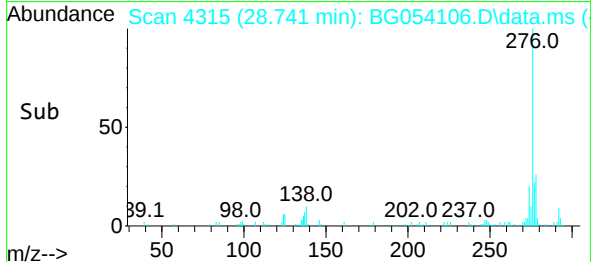
Instrument :
BNA_G
ClientSampleId :
SB-2-3-5-20220622



Tgt Ion:278 Resp: 63978
Ion Ratio Lower Upper
278 100
139 11.3 7.2 10.8
279 25.5 18.6 27.8

Manual Integrations
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Supervised By :Jagrut Upadhyay 06/28/2022



#92
Benzo(g,h,i)perylene
Concen: 15.694 ng
RT: 29.857 min Scan# 4505
Delta R.T. -0.005 min
Lab File: BG054106.D
Acq: 28 Jun 2022 00:22

Tgt Ion:276 Resp: 208329
Ion Ratio Lower Upper
276 100
277 24.8 17.3 25.9
138 14.8 9.6 14.4

