

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG063022\
 Data File : BG054181.D
 Acq On : 30 Jun 2022 22:44
 Operator : CG/JU
 Sample : N3550-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HR-02-06292022

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/01/2022
 Supervised By : Jagrut Upadhyay 07/01/2022

Quant Time: Jul 01 04:05:54 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	26370	20.000	ng	0.00
21) Naphthalene-d8	10.880	136	101276	20.000	ng	# 0.00
39) Acenaphthene-d10	14.693	164	69494	20.000	ng	0.00
64) Phenanthrene-d10	17.437	188	153819	20.000	ng	# 0.00
76) Chrysene-d12	21.720	240	168826	20.000	ng	0.00
86) Perylene-d12	24.981	264	159614	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.639	112	127821	92.674	ng	0.00
7) Phenol-d6	7.232	99	169297	90.482	ng	0.00
23) Nitrobenzene-d5	9.229	82	113344	62.892	ng	0.00
42) 2,4,6-Tribromophenol	16.180	330	107324	96.122	ng	0.00
45) 2-Fluorobiphenyl	13.319	172	310867	65.048	ng	0.00
79) Terphenyl-d14	20.052	244	543029	64.783	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.484	178	68042	8.610	ng	97
72) Anthracene	17.572	178	16211	2.101	ng	99
75) Fluoranthene	19.494	202	171244	16.507	ng	97
78) Pyrene	19.858	202	187173	18.356	ng	98
81) Benzo(a)anthracene	21.703	228	112208	10.265	ng	96
83) Chrysene	21.767	228	104885m	10.066	ng	
87) Indeno(1,2,3-cd)pyrene	28.718	276	46956	3.898	ng	# 72
88) Benzo(b)fluoranthene	23.947	252	136638	14.079	ng	# 94
89) Benzo(k)fluoranthene	24.006	252	49247m	5.125	ng	
90) Benzo(a)pyrene	24.829	252	100814	12.312	ng	# 92
92) Benzo(g,h,i)perylene	29.893	276	45922m	4.672	ng	

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

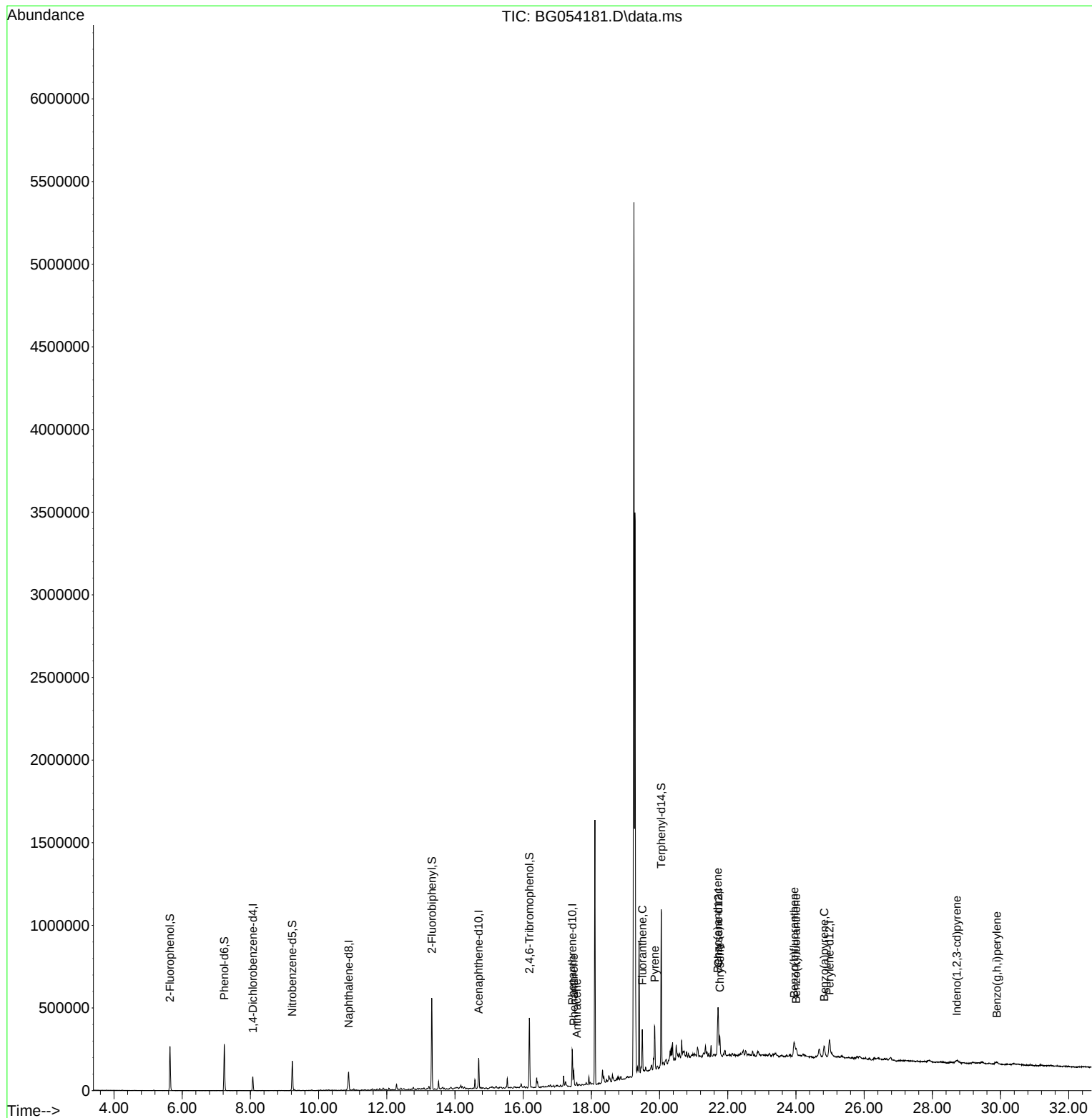
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG063022\
Data File : BG054181.D
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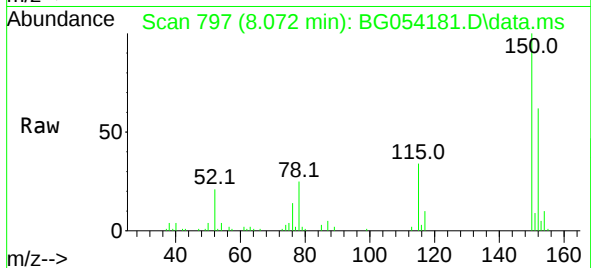
Reviewed By :Christian Giraldo 07/01/2022
Supervised By :Jagrut Upadhyay 07/01/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.072 min Scan# 74
Delta R.T. 0.002 min
Lab File: BG054181.D
Acq: 30 Jun 2022 22:44

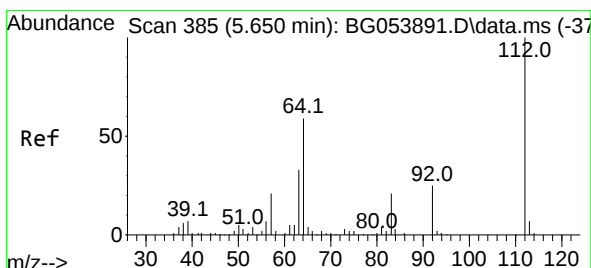
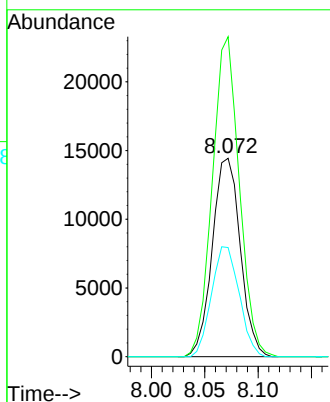
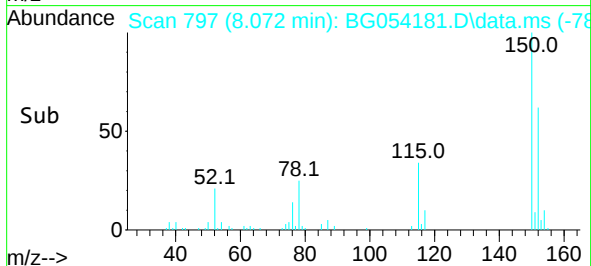
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BNA_G
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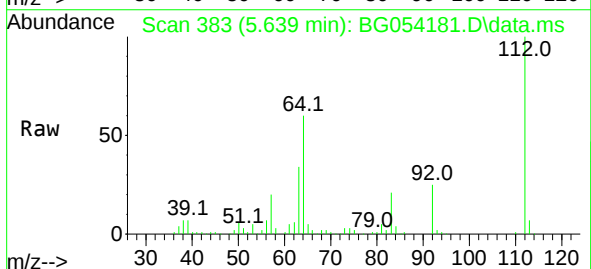
Tgt Ion:152 Resp: 26370
Ion Ratio Lower Upper
152 100
150 161.3 131.6 197.4
115 55.0 50.9 76.3

Manual Integrations
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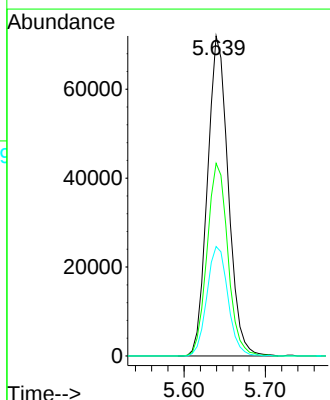
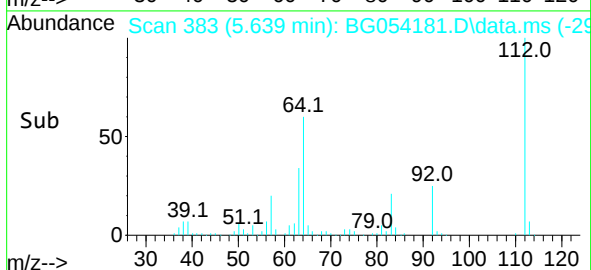
Reviewed By :Christian Giraldo 07/01/2022
Supervised By :Jagrut Upadhyay 07/01/2022



#5
2-Fluorophenol
Concen: 92.674 ng
RT: 5.639 min Scan# 383
Delta R.T. 0.001 min
Lab File: BG054181.D
Acq: 30 Jun 2022 22:44



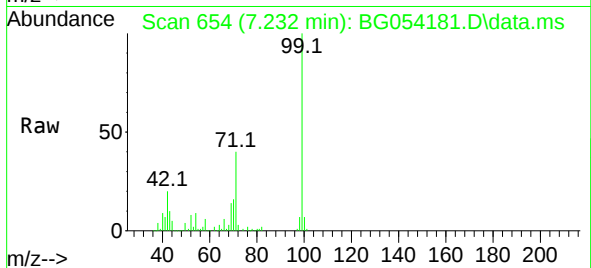
Tgt Ion:112 Resp: 127821
Ion Ratio Lower Upper
112 100
64 60.2 55.1 82.7
63 34.2 30.4 45.6





#7
Phenol-d6
Concen: 90.482 ng
RT: 7.232 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG054181.D
Acq: 30 Jun 2022 22:44

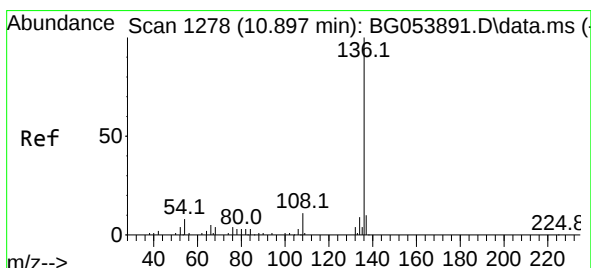
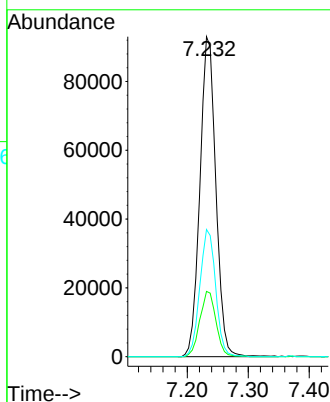
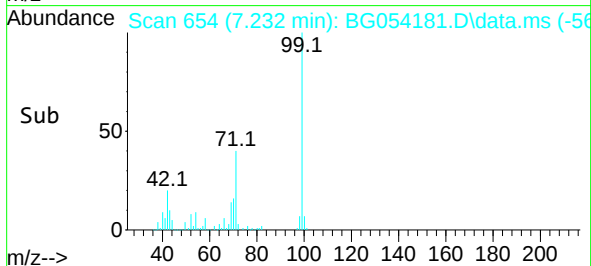
Instrument :
BNA_G
ClientSampleId :
HR-02-06292022



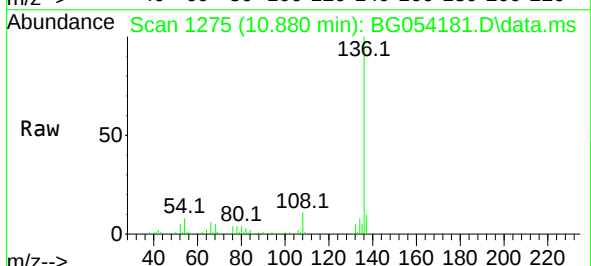
Tgt Ion: 99 Resp: 16929
Ion Ratio Lower Upper
99 100
42 20.4 17.0 25.6
71 39.7 33.8 50.8

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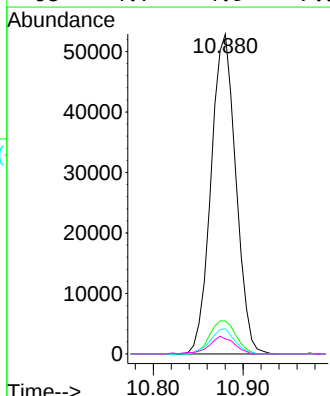
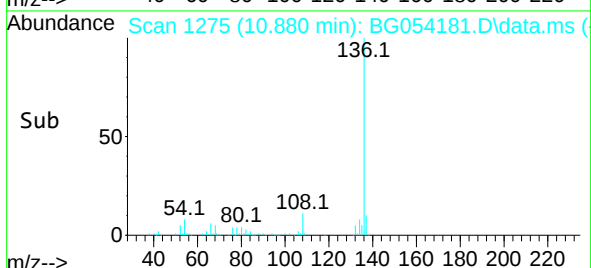
Reviewed By :Christian Giraldo 07/01/2022
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.880 min Scan# 1275
Delta R.T. 0.001 min
Lab File: BG054181.D
Acq: 30 Jun 2022 22:44



Tgt Ion:136 Resp: 101276
Ion Ratio Lower Upper
136 100
137 10.3 8.5 12.7
54 7.9 7.4 11.2
68 4.7 4.9 7.3#





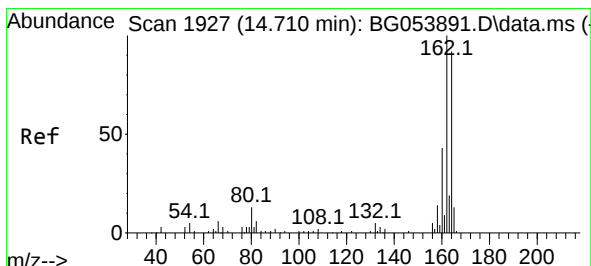
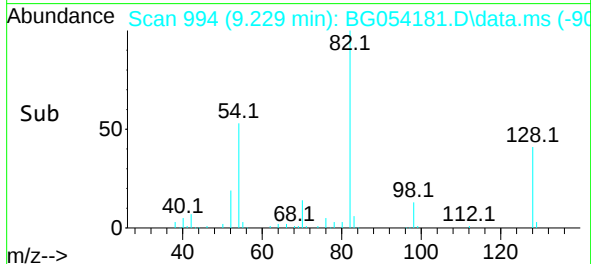
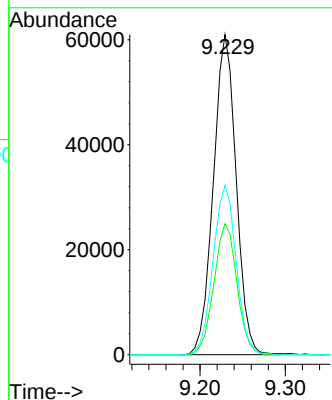
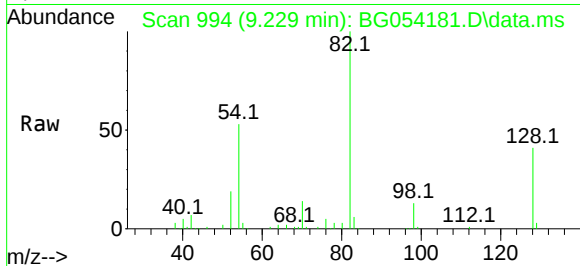
#23
Nitrobenzene-d5
Concen: 62.892 ng
RT: 9.229 min Scan# 91
Delta R.T. -0.004 min
Lab File: BG054181.D
Acq: 30 Jun 2022 22:44

Instrument :
BNA_G
ClientSampleId :
HR-02-06292022

Tgt Ion: 82 Resp: 113344
Ion Ratio Lower Upper
82 100
128 40.9 27.9 41.9
54 52.9 41.2 61.8

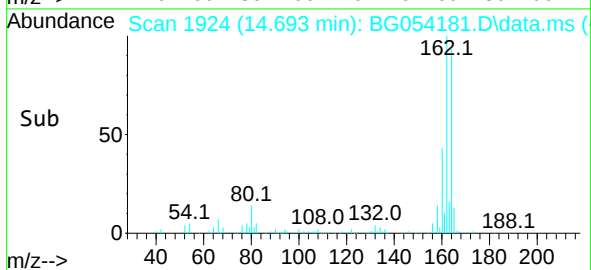
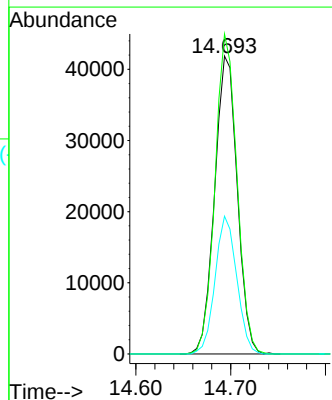
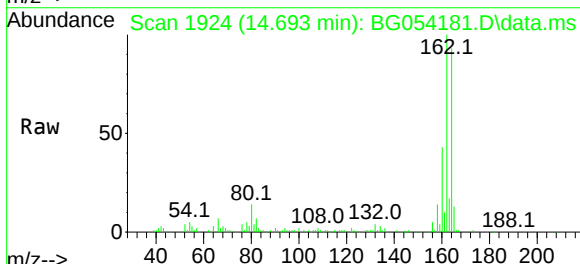
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.693 min Scan# 1924
Delta R.T. -0.004 min
Lab File: BG054181.D
Acq: 30 Jun 2022 22:44

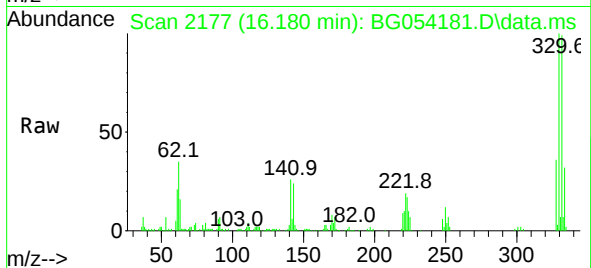
Tgt Ion:164 Resp: 69494
Ion Ratio Lower Upper
164 100
162 107.4 82.3 123.5
160 46.3 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 96.122 ng
RT: 16.180 min Scan# 2179
Delta R.T. -0.004 min
Lab File: BG054181.D
Acq: 30 Jun 2022 22:44

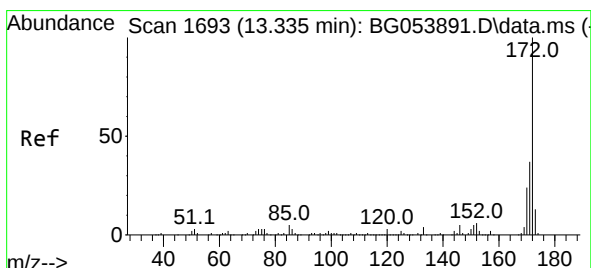
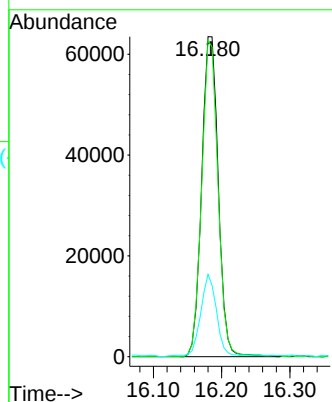
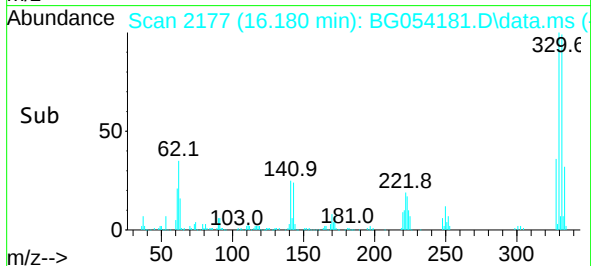
Instrument :
BNA_G
ClientSampleId :
HR-02-06292022



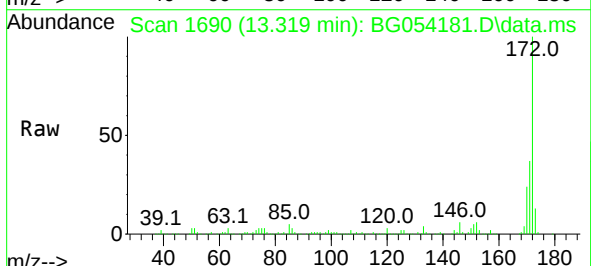
Tgt Ion:330 Resp: 107324
Ion Ratio Lower Upper
330 100
332 96.8 76.0 114.0
141 24.8 27.1 40.7

Manual Integrations
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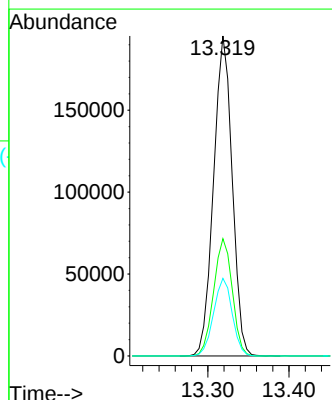
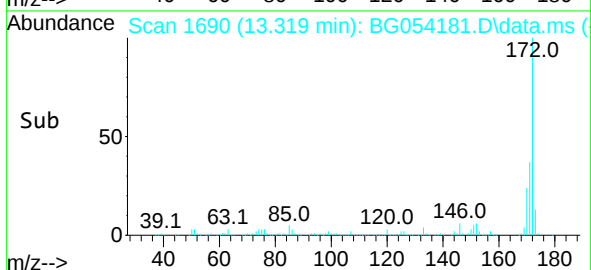
Reviewed By :Christian Giraldo 07/01/2022
Supervised By :Jagrut Upadhyay 07/01/2022

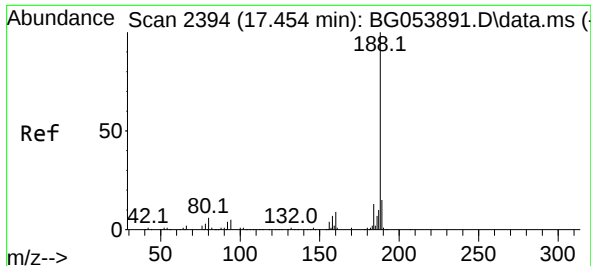


#45
2-Fluorobiphenyl
Concen: 65.048 ng
RT: 13.319 min Scan# 1690
Delta R.T. -0.004 min
Lab File: BG054181.D
Acq: 30 Jun 2022 22:44



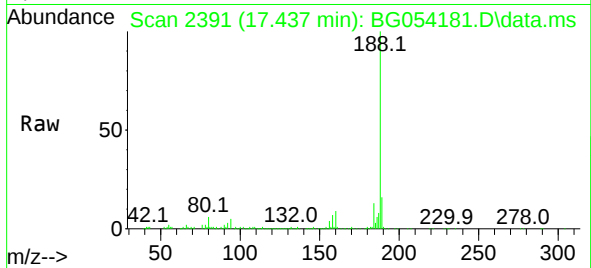
Tgt Ion:172 Resp: 310867
Ion Ratio Lower Upper
172 100
171 36.7 28.5 42.7
170 24.2 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.437 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG054181.D
Acq: 30 Jun 2022 22:44

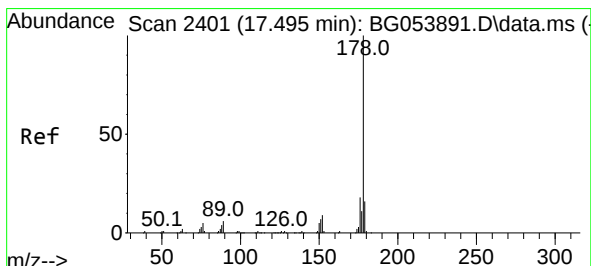
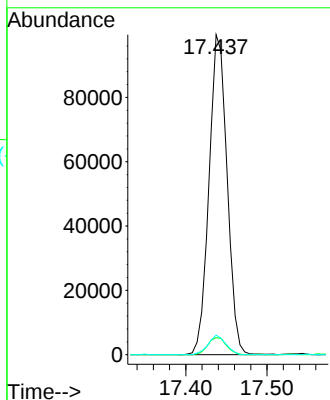
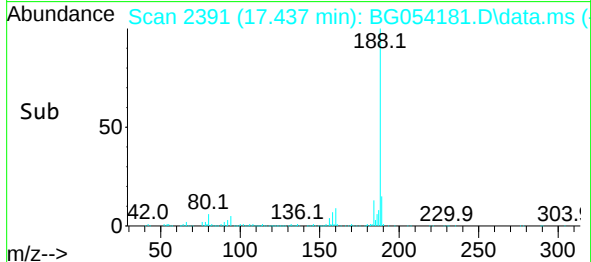
Instrument :
BNA_G
ClientSampleId :
HR-02-06292022



Tgt Ion:188 Resp: 153819
Ion Ratio Lower Upper
188 100
94 5.3 5.4 8.0
80 6.1 6.8 10.2

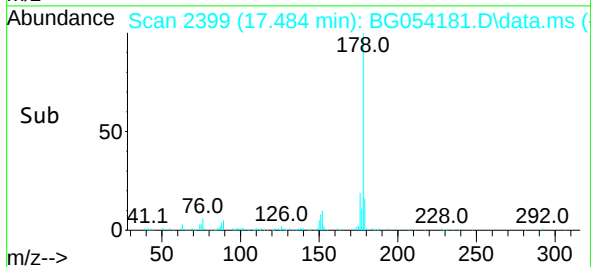
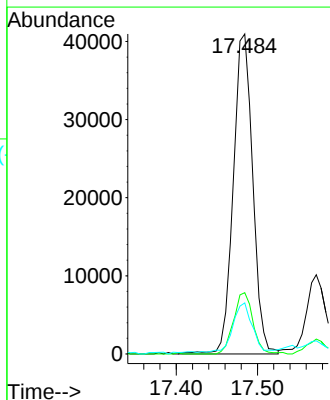
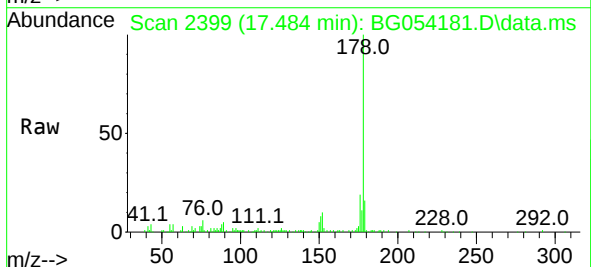
Manual Integrations
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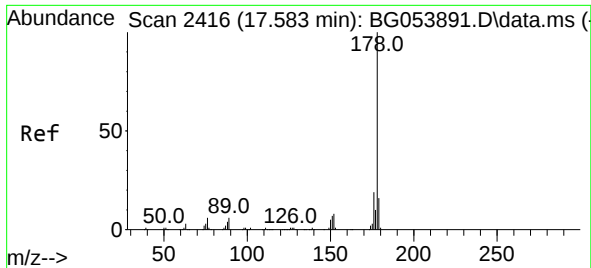
Reviewed By :Christian Giraldo 07/01/2022
Supervised By :Jagrut Upadhyay 07/01/2022



#71
Phenanthrene
Concen: 8.610 ng
RT: 17.484 min Scan# 2399
Delta R.T. 0.001 min
Lab File: BG054181.D
Acq: 30 Jun 2022 22:44

Tgt Ion:178 Resp: 68042
Ion Ratio Lower Upper
178 100
176 19.2 14.1 21.1
179 16.0 12.1 18.1





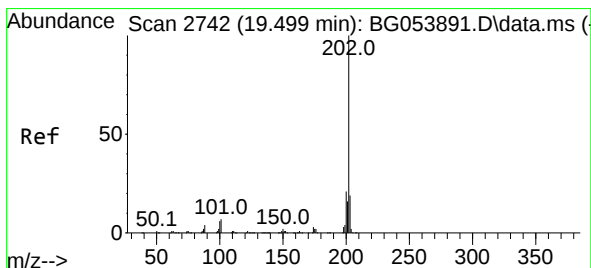
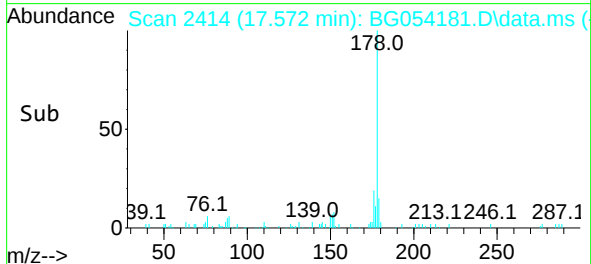
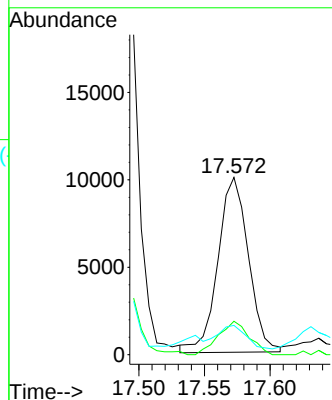
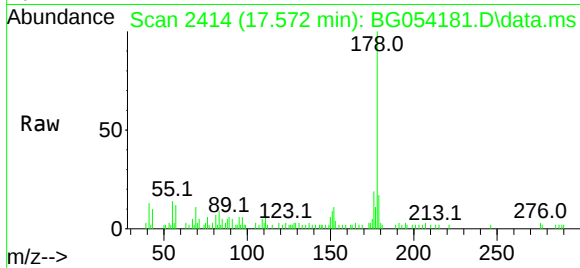
#72
 Anthracene
 Concen: 2.101 ng
 RT: 17.572 min Scan# 2416
 Delta R.T. -0.004 min
 Lab File: BG054181.D
 Acq: 30 Jun 2022 22:44

Instrument :
 BNA_G
 ClientSampleId :
 HR-02-06292022

Tgt Ion:178 Resp: 1621
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.2 22.8
 179 16.6 13.0 19.4

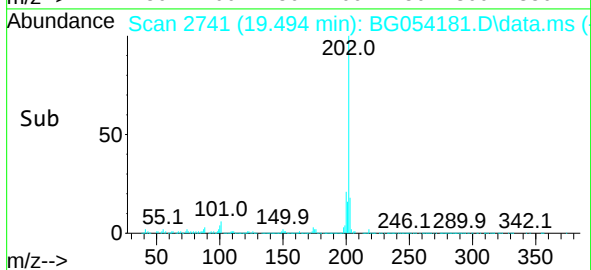
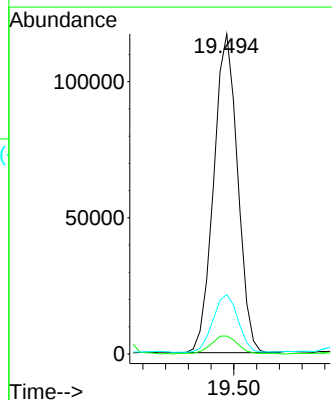
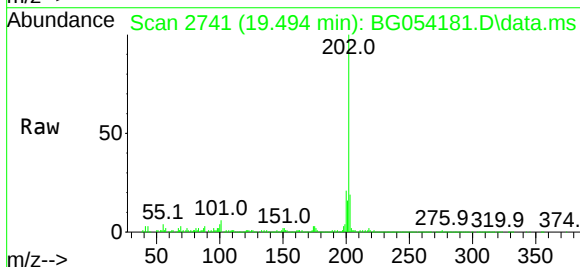
Manual Integrations
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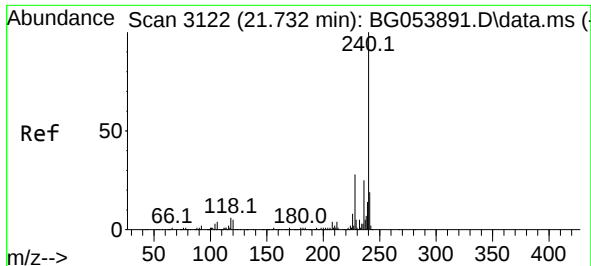
Reviewed By :Christian Giraldo 07/01/2022
 Supervised By :Jagrut Upadhyay 07/01/2022



#75
 Fluoranthene
 Concen: 16.507 ng
 RT: 19.494 min Scan# 2741
 Delta R.T. 0.001 min
 Lab File: BG054181.D
 Acq: 30 Jun 2022 22:44

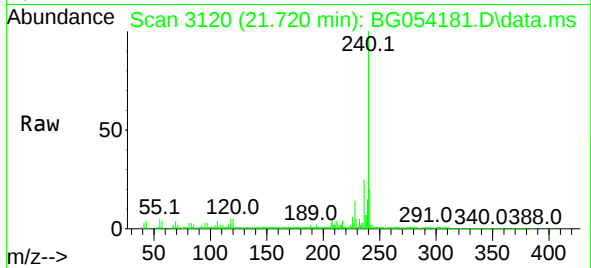
Tgt Ion:202 Resp: 171244
 Ion Ratio Lower Upper
 202 100
 101 5.6 0.0 26.9
 203 18.5 0.0 37.2





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.720 min Scan# 31
Delta R.T. 0.001 min
Lab File: BG054181.D
Acq: 30 Jun 2022 22:44

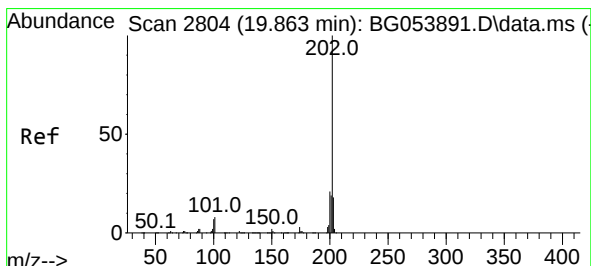
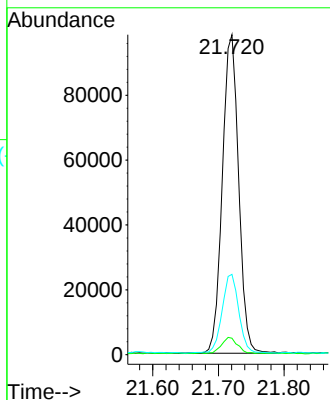
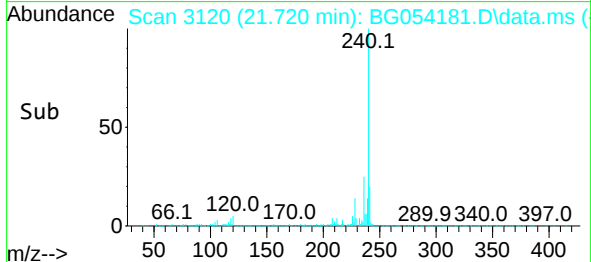
Instrument :
BNA_G
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HR-02-06292022



Tgt Ion:240 Resp: 168820
Ion Ratio Lower Upper
240 100
120 5.1 4.6 7.0
236 25.1 20.2 30.4

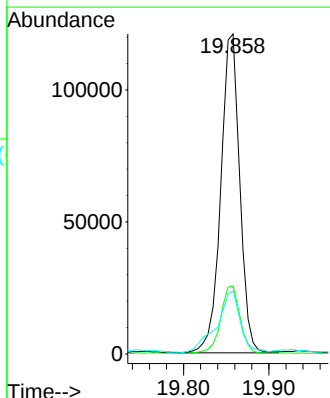
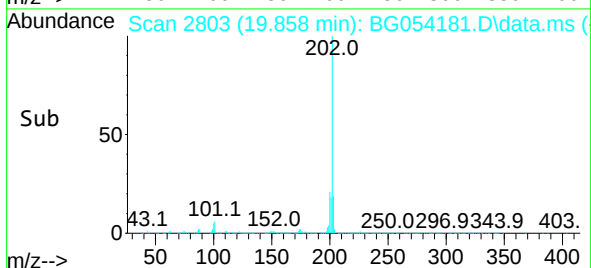
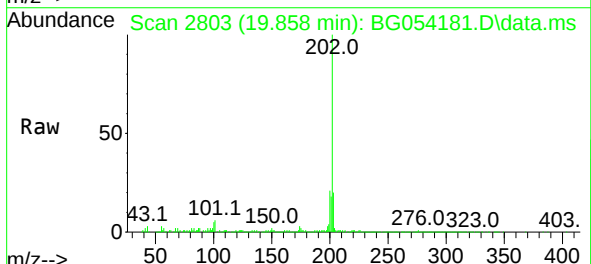
Manual Integrations
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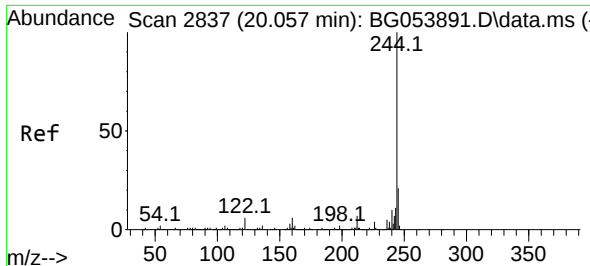
Reviewed By :Christian Giraldo 07/01/2022
Supervised By :Jagrut Upadhyay 07/01/2022



#78
Pyrene
Concen: 18.356 ng
RT: 19.858 min Scan# 2803
Delta R.T. 0.007 min
Lab File: BG054181.D
Acq: 30 Jun 2022 22:44

Tgt Ion:202 Resp: 187173
Ion Ratio Lower Upper
202 100
200 21.2 16.6 24.8
203 19.8 14.6 21.8





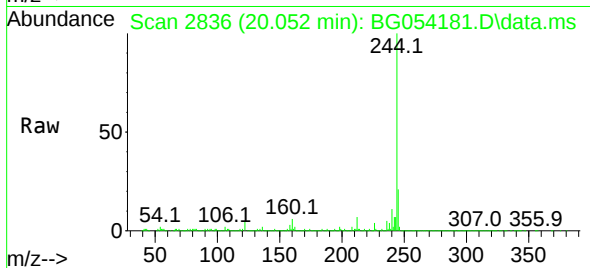
#79
 Terphenyl-d14
 Concen: 64.783 ng
 RT: 20.052 min Scan# 21
 Delta R.T. 0.007 min
 Lab File: BG054181.D
 Acq: 30 Jun 2022 22:44

Instrument :

BNA_G

ClientSampleId :

HR-02-06292022

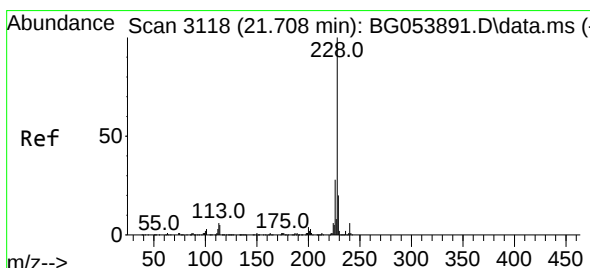
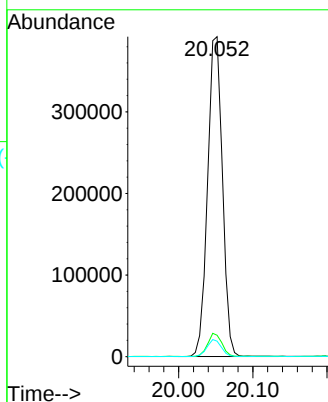
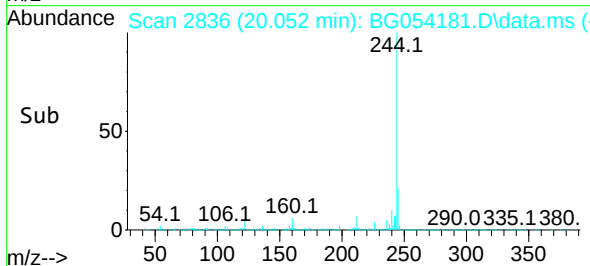


Tgt Ion:244 Resp: 543029
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.5 9.7
 122 4.8 5.0 7.4

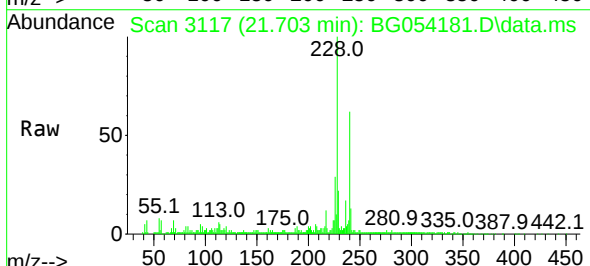
Manual Integrations

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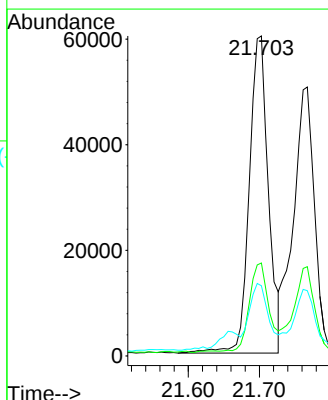
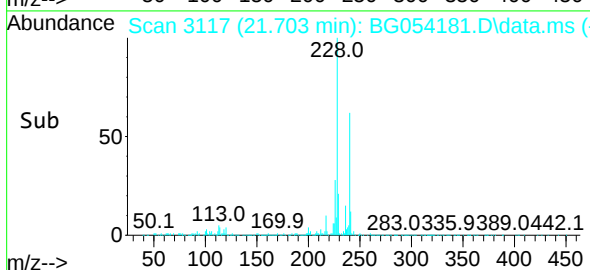
Reviewed By :Christian Giraldo 07/01/2022
 Supervised By :Jagrut Upadhyay 07/01/2022

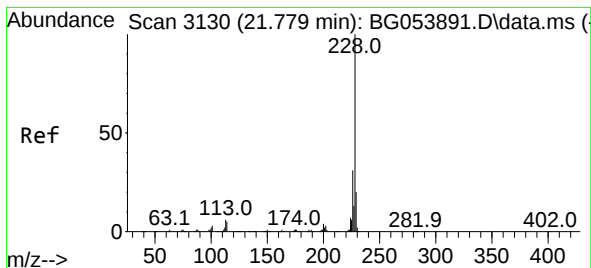


#81
 Benzo(a)anthracene
 Concen: 10.265 ng
 RT: 21.703 min Scan# 3117
 Delta R.T. 0.007 min
 Lab File: BG054181.D
 Acq: 30 Jun 2022 22:44



Tgt Ion:228 Resp: 112208
 Ion Ratio Lower Upper
 228 100
 226 29.1 21.6 32.4
 229 22.0 16.2 24.2





#83

Chrysene

Concen: 10.066 ng m

RT: 21.767 min Scan# 31

Delta R.T. 0.007 min

Lab File: BG054181.D

Acq: 30 Jun 2022 22:44

Instrument :

BNA_G

ClientSampleId :

HR-02-06292022

Tgt Ion:228 Resp: 10488

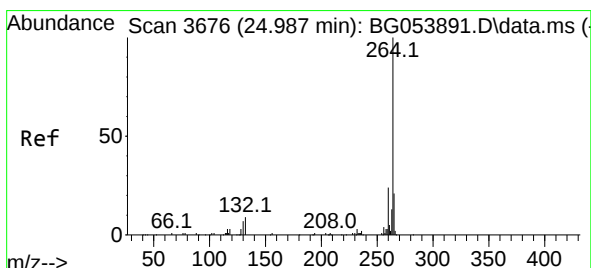
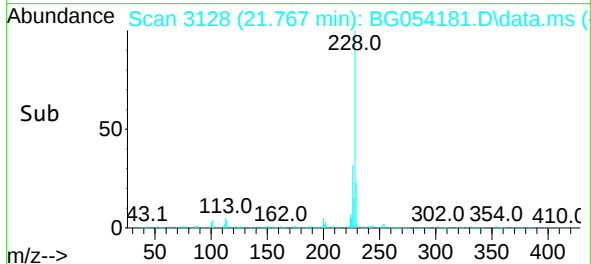
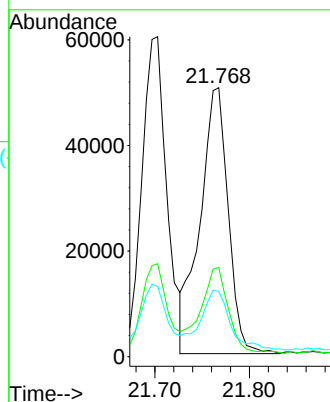
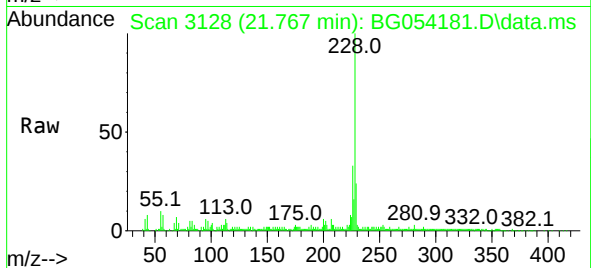
Ion	Ratio	Lower	Upper
228	100		
226	33.2	23.4	35.2
229	24.3	15.5	23.3

Manual Integrations

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Reviewed By :Christian Giraldo 07/01/2022

Supervised By :Jagrut Upadhyay 07/01/2022



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.981 min Scan# 3675

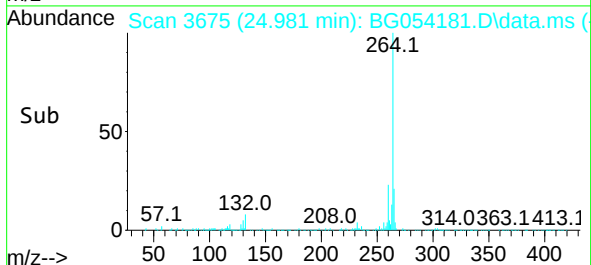
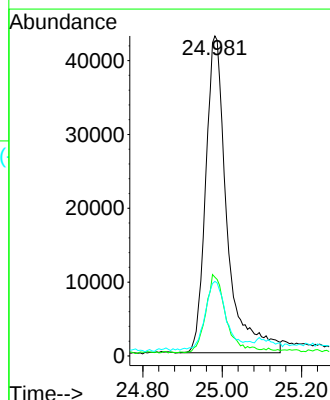
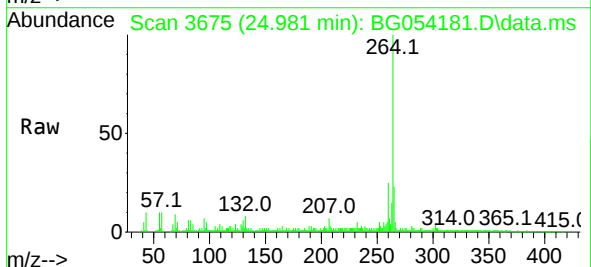
Delta R.T. 0.019 min

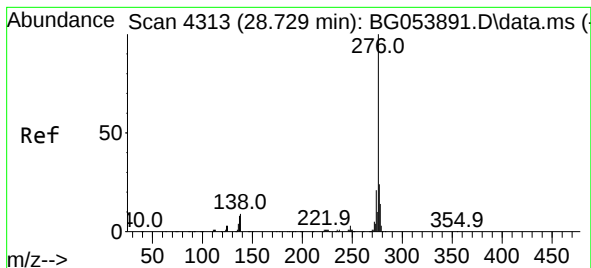
Lab File: BG054181.D

Acq: 30 Jun 2022 22:44

Tgt Ion:264 Resp: 159614

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.0	28.6
265	23.3	17.4	26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.898 ng

RT: 28.718 min Scan# 41

Delta R.T. 0.031 min

Lab File: BG054181.D

Acq: 30 Jun 2022 22:44

Instrument :

BNA_G

ClientSampleId :

HR-02-06292022

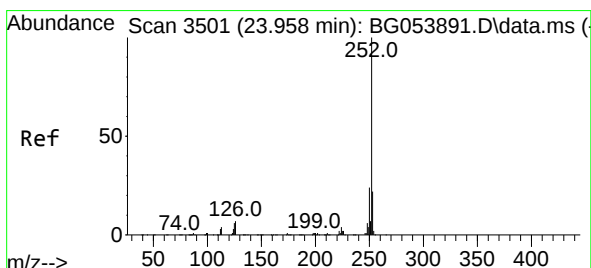
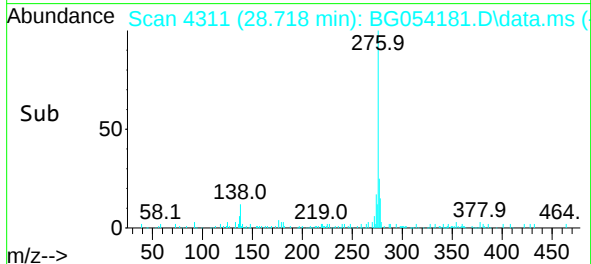
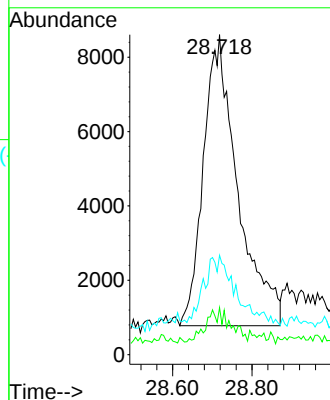
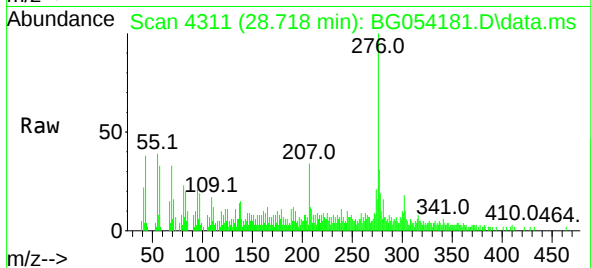
Tgt Ion:276 Resp: 46950
 Ion Ratio Lower Upper
 276 100
 138 3.8 5.0 7.4
 277 9.0 20.3 30.5

Manual Integrations

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Reviewed By :Christian Giraldo 07/01/2022

Supervised By :Jagrut Upadhyay 07/01/2022



#88

Benzo(b)fluoranthene

Concen: 14.079 ng

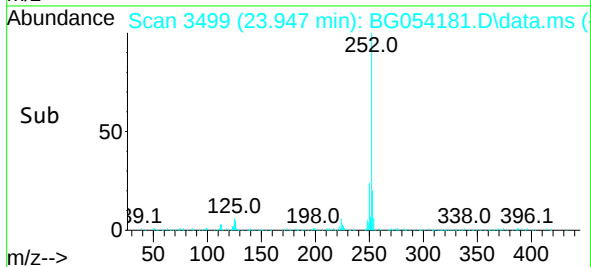
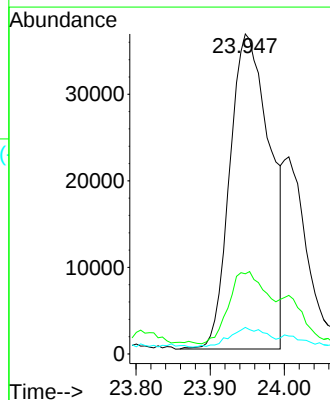
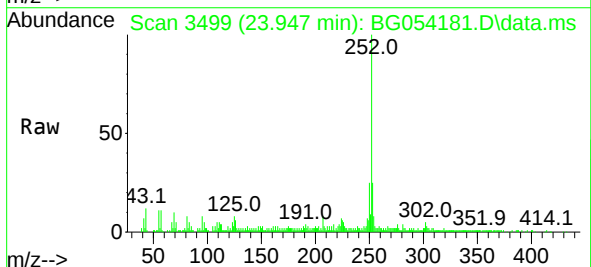
RT: 23.947 min Scan# 3499

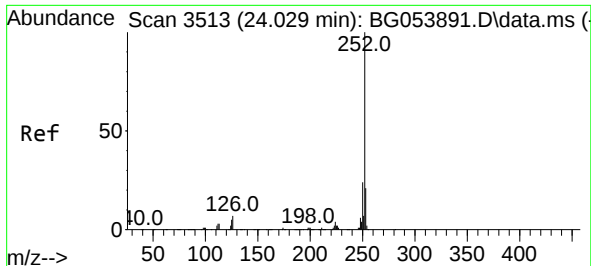
Delta R.T. 0.013 min

Lab File: BG054181.D

Acq: 30 Jun 2022 22:44

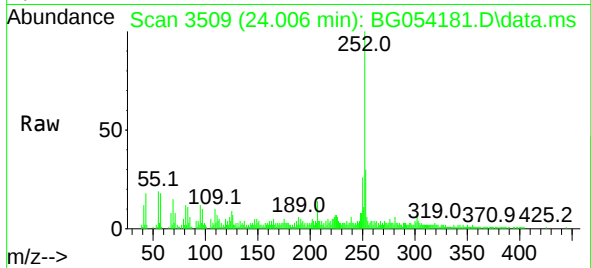
Tgt Ion:252 Resp: 136638
 Ion Ratio Lower Upper
 252 100
 253 25.0 18.0 27.0
 125 8.3 4.6 6.8





#89
Benzo(k)fluoranthene
Concen: 5.125 ng m
RT: 24.006 min Scan# 3513
Delta R.T. 0.001 min
Lab File: BG054181.D
Acq: 30 Jun 2022 22:44

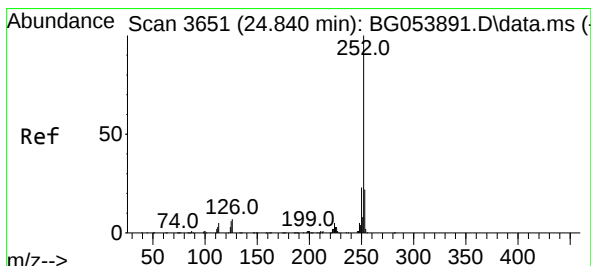
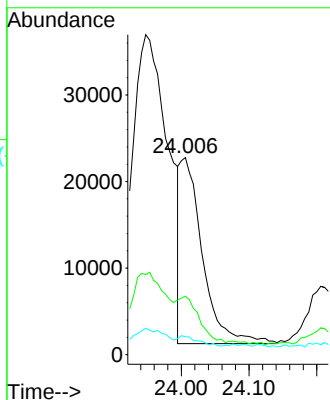
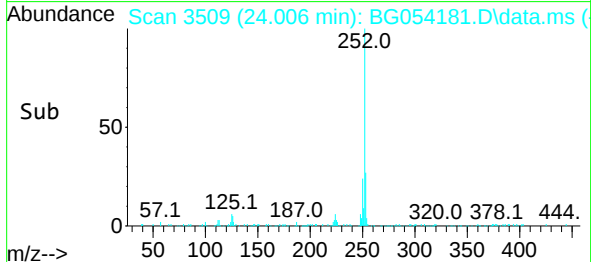
Instrument :
BNA_G
ClientSampleId :
HR-02-06292022



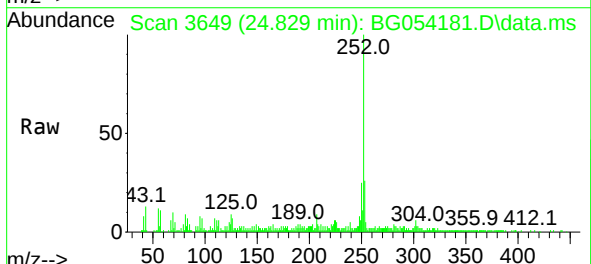
Tgt Ion:252 Resp: 4924
Ion Ratio Lower Upper
252 100
253 29.7 18.4 27.6
125 9.1 4.8 7.2

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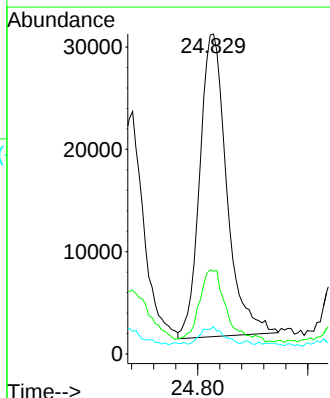
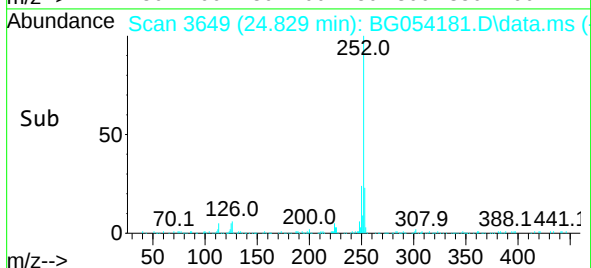
Reviewed By :Christian Giraldo 07/01/2022
Supervised By :Jagrut Upadhyay 07/01/2022

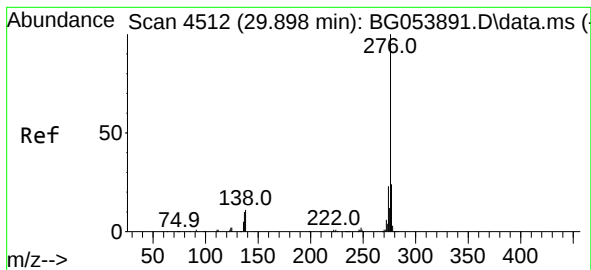


#90
Benzo(a)pyrene
Concen: 12.312 ng
RT: 24.829 min Scan# 3649
Delta R.T. 0.013 min
Lab File: BG054181.D
Acq: 30 Jun 2022 22:44



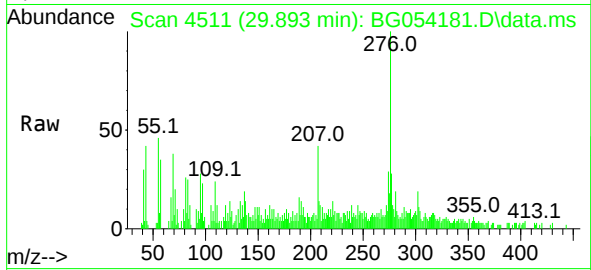
Tgt Ion:252 Resp: 100814
Ion Ratio Lower Upper
252 100
253 25.9 17.8 26.8
125 8.5 4.3 6.5





#92
 Benzo(g,h,i)perylene
 Concen: 4.672 ng m
 RT: 29.893 min Scan# 4511
 Delta R.T. 0.031 min
 Lab File: BG054181.D
 Acq: 30 Jun 2022 22:44

Instrument :
 BNA_G
 ClientSampleId :
 HR-02-06292022



Tgt Ion:276 Resp: 4592
 Ion Ratio Lower Upper
 276 100
 277 28.0 17.3 25.9
 138 13.8 9.6 14.4

Manual Integrations
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Reviewed By :Christian Giraldo 07/01/2022
 Supervised By :Jagrut Upadhyay 07/01/2022

