

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040324\
 Data File : BG060762.D
 Acq On : 3 Apr 2024 14:46
 Operator : MA/JU
 Sample : P1957-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NM-DRUMS-040224

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 04/04/2024
 Supervised By :mohammad ahmed 04/05/2024

Quant Time: Apr 04 00:36:32 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 30 03:12:26 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.959	152	69141	20.000	ng	0.00
21) Naphthalene-d8	10.756	136	258939	20.000	ng	0.00
39) Acenaphthene-d10	14.587	164	196585	20.000	ng	0.00
64) Phenanthrene-d10	17.331	188	482689	20.000	ng	0.00
76) Chrysene-d12	21.596	240	435524	20.000	ng	0.00
86) Perylene-d12	24.739	264	524813	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.538	112	428281	103.190	ng	0.00
7) Phenol-d6	7.113	99	570762	92.645	ng	0.00
23) Nitrobenzene-d5	9.111	82	305544	67.332	ng	0.00
42) 2,4,6-Tribromophenol	16.073	330	248585	111.395	ng	0.00
45) 2-Fluorobiphenyl	13.212	172	714056	53.309	ng	0.00
79) Terphenyl-d14	19.957	244	1207479	48.819	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.803	128	50745	3.623	ng	96
52) Acenaphthene	14.651	154	47710	4.287	ng	96
55) Dibenzofuran	14.986	168	49014	2.792	ng	96
58) Fluorene	15.632	166	75134	5.333	ng	95
71) Phenanthrene	17.378	178	907663	36.157	ng	100
72) Anthracene	17.466	178	181794	7.131	ng	98
73) Carbazole	17.730	167	55190	2.455	ng	99
75) Fluoranthene	19.387	202	947001	31.088	ng	98
78) Pyrene	19.745	202	930659	30.554	ng	98
81) Benzo(a)anthracene	21.578	228	397729	12.955	ng	97
83) Chrysene	21.643	228	357685	12.088	ng	99
87) Indeno(1,2,3-cd)pyrene	28.288	276	146049	3.952	ng	# 55
88) Benzo(b)fluoranthene	23.747	252	344906	11.440	ng	98
89) Benzo(k)fluoranthene	23.805	252	136169m	4.412	ng	
90) Benzo(a)pyrene	24.587	252	294341	10.046	ng	97
92) Benzo(g,h,i)perylene	29.399	276	135928	4.485	ng	97

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

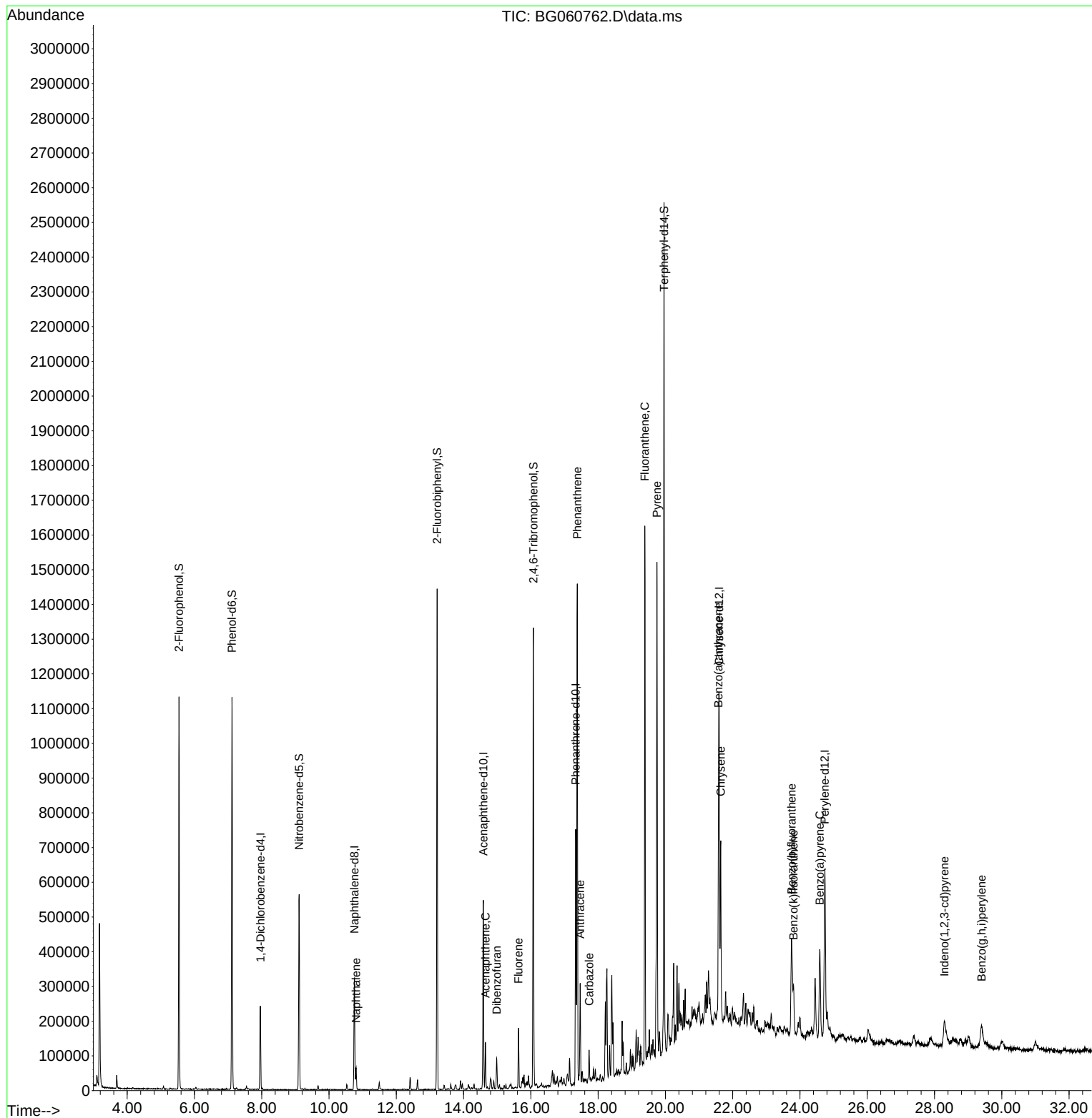
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040324\
Data File : BG060762.D
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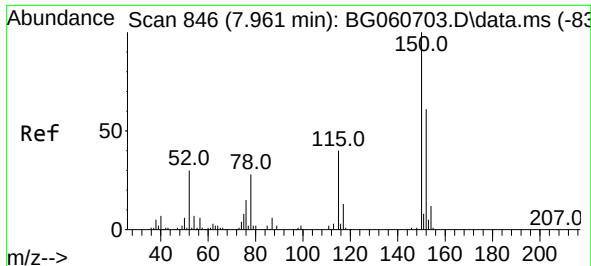
Instrument :
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Quant Time: Apr 04 00:36:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.M
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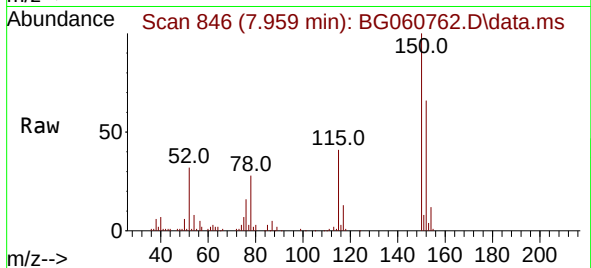
Reviewed By :Jagrut Upadhyay 04/04/2024
Supervised By :mohammad ahmed 04/05/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.959 min Scan# 846
Delta R.T. -0.002 min
Lab File: BG060762.D
Acq: 3 Apr 2024 14:46

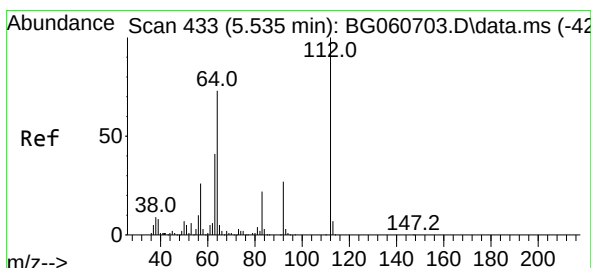
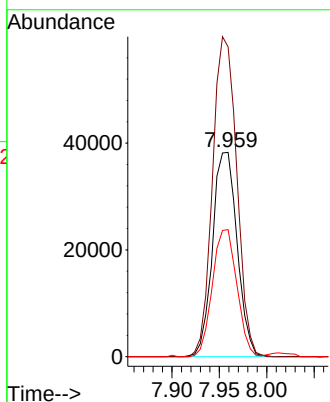
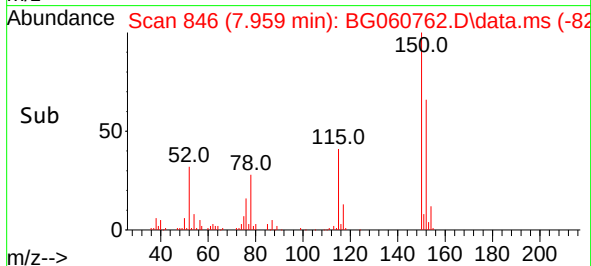
Instrument :
BNA_G
ClientSampleId :
NM-DRUMS-040224



Tgt Ion:152 Resp: 6914
Ion Ratio Lower Upper
152 100
150 151.6 130.2 195.4
115 62.1 51.6 77.4

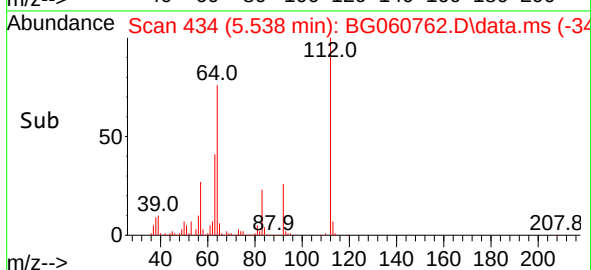
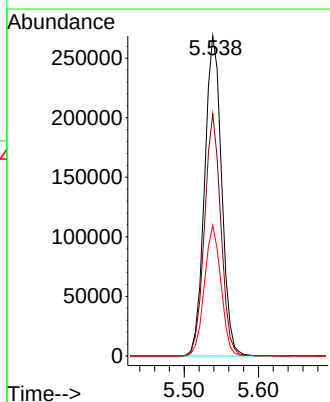
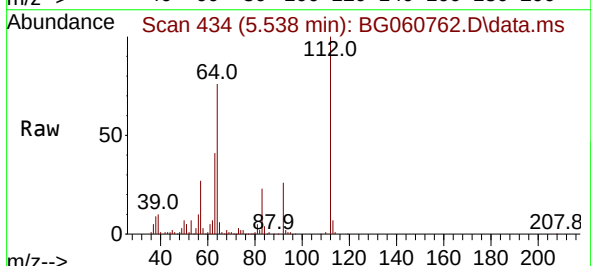
Manual Integrations
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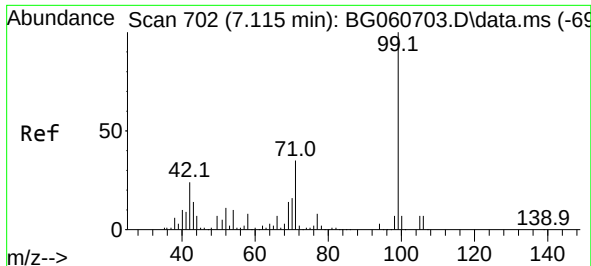
Reviewed By :Jagrut Upadhyay 04/04/2024
Supervised By :mohammad ahmed 04/05/2024



#5
2-Fluorophenol
Concen: 103.190 ng
RT: 5.538 min Scan# 434
Delta R.T. 0.004 min
Lab File: BG060762.D
Acq: 3 Apr 2024 14:46

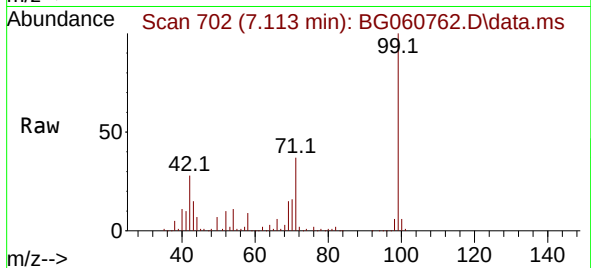
Tgt Ion:112 Resp: 428281
Ion Ratio Lower Upper
112 100
64 75.7 58.4 87.6
63 40.8 32.7 49.1





#7
Phenol-d6
Concen: 92.645 ng
RT: 7.113 min Scan# 702
Delta R.T. -0.002 min
Lab File: BG060762.D
Acq: 3 Apr 2024 14:46

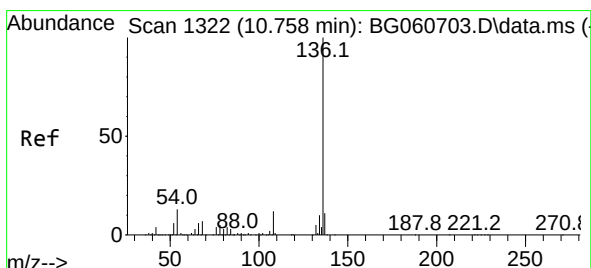
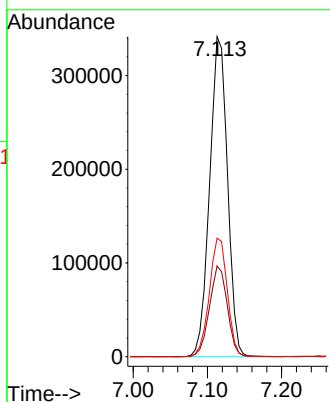
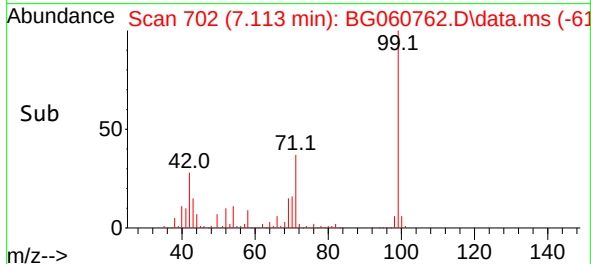
Instrument :
BNA_G
ClientSampleId :
NM-DRUMS-040224



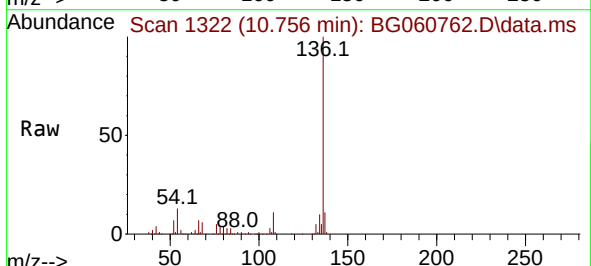
Tgt Ion: 99 Resp: 570762
Ion Ratio Lower Upper
99 100
42 28.4 19.4 29.2
71 37.0 28.2 42.2

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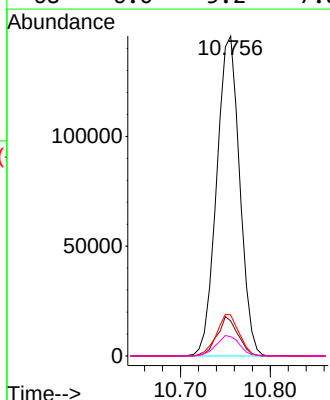
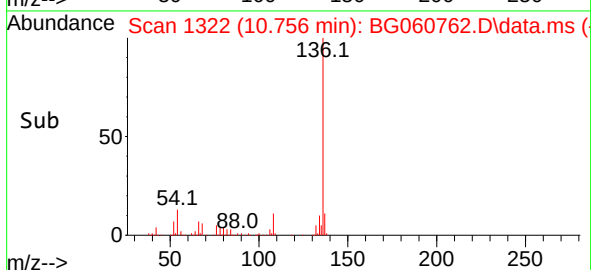
Reviewed By :Jagrut Upadhyay 04/04/2024
Supervised By :mohammad ahmed 04/05/2024

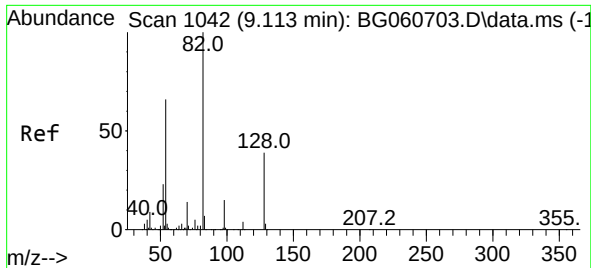


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.756 min Scan# 1322
Delta R.T. -0.002 min
Lab File: BG060762.D
Acq: 3 Apr 2024 14:46



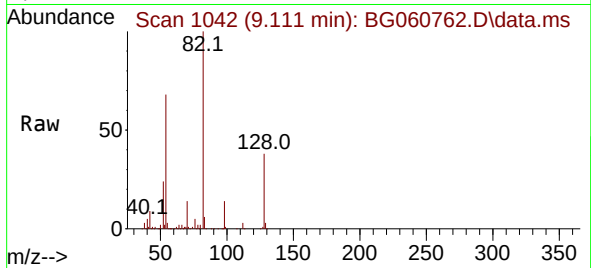
Tgt Ion:136 Resp: 258939
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 12.8 10.2 15.2
68 6.0 5.2 7.8





#23
Nitrobenzene-d5
Concen: 67.332 ng
RT: 9.111 min Scan# 1042
Delta R.T. -0.002 min
Lab File: BG060762.D
Acq: 3 Apr 2024 14:46

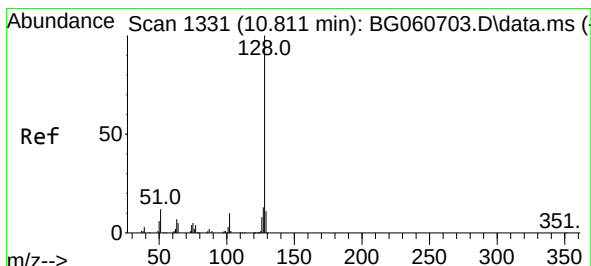
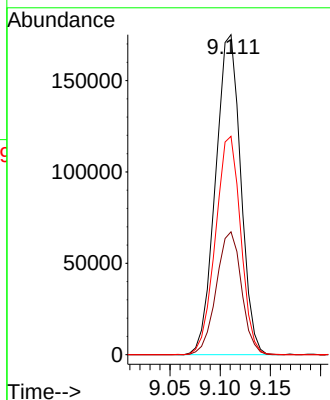
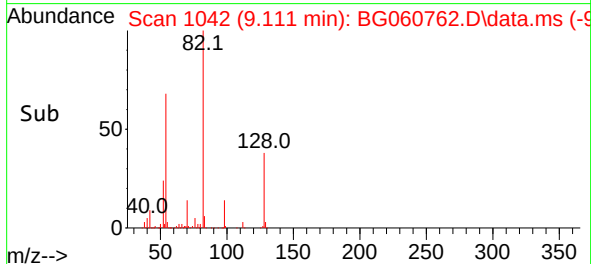
Instrument :
BNA_G
ClientSampleId :
NM-DRUMS-040224



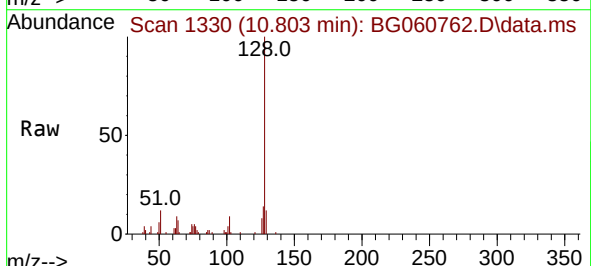
Tgt Ion: 82 Resp: 305544
Ion Ratio Lower Upper
82 100
128 38.4 31.2 46.8
54 68.2 53.2 79.8

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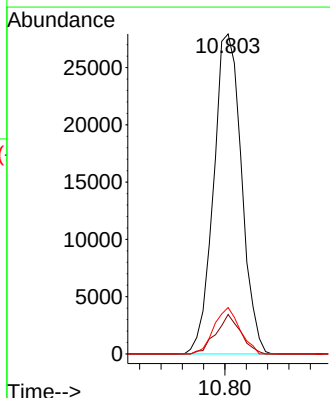
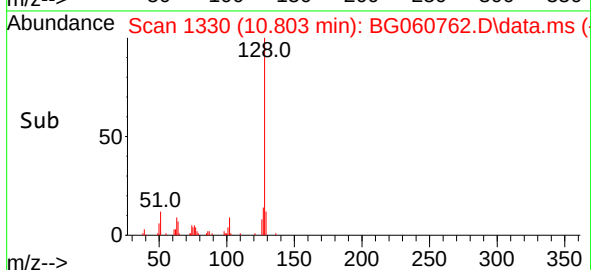
Reviewed By :Jagrut Upadhyay 04/04/2024
Supervised By :mohammad ahmed 04/05/2024

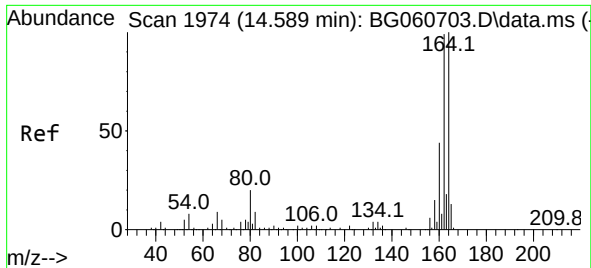


#31
Naphthalene
Concen: 3.623 ng
RT: 10.803 min Scan# 1330
Delta R.T. -0.008 min
Lab File: BG060762.D
Acq: 3 Apr 2024 14:46



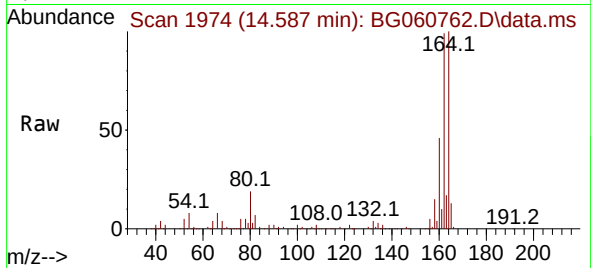
Tgt Ion:128 Resp: 50745
Ion Ratio Lower Upper
128 100
129 12.4 8.5 12.7
127 14.5 10.5 15.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.587 min Scan# 1974
Delta R.T. -0.002 min
Lab File: BG060762.D
Acq: 3 Apr 2024 14:46

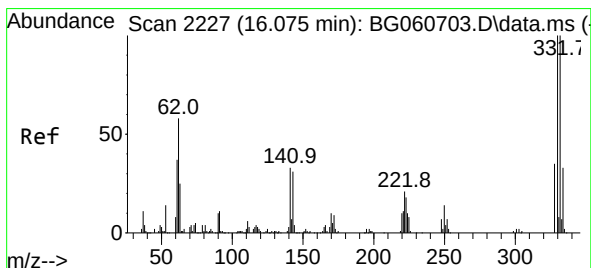
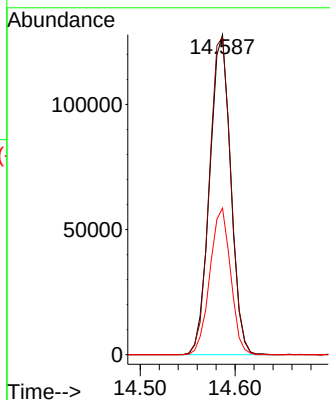
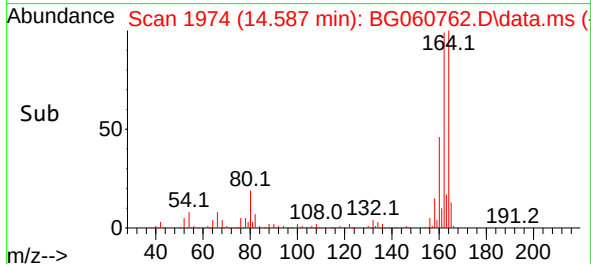
Instrument :
BNA_G
ClientSampleId :
NM-DRUMS-040224



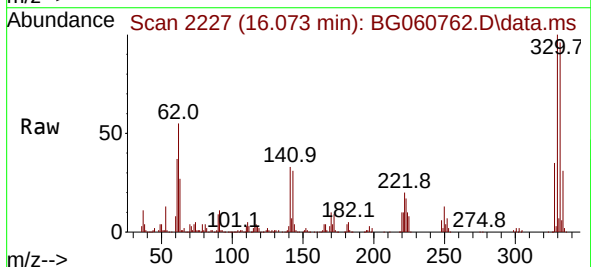
Tgt Ion:164 Resp: 196585
Ion Ratio Lower Upper
164 100
162 99.2 79.5 119.3
160 45.8 35.4 53.0

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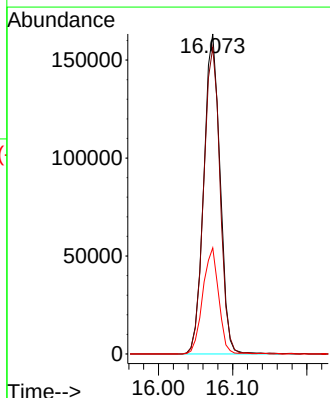
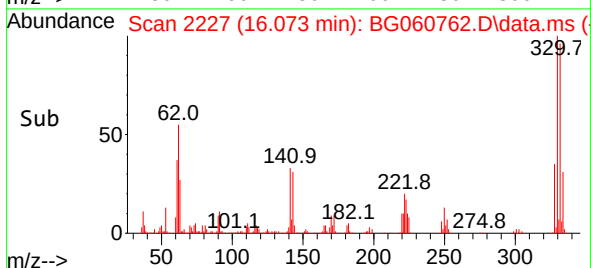
Reviewed By :Jagrut Upadhyay 04/04/2024
Supervised By :mohammad ahmed 04/05/2024

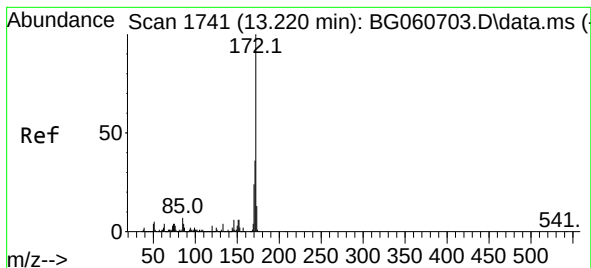


#42
2,4,6-Tribromophenol
Concen: 111.395 ng
RT: 16.073 min Scan# 2227
Delta R.T. -0.002 min
Lab File: BG060762.D
Acq: 3 Apr 2024 14:46



Tgt Ion:330 Resp: 248585
Ion Ratio Lower Upper
330 100
332 96.3 78.2 117.4
141 32.5 27.0 40.6





#45

2-Fluorobiphenyl

Concen: 53.309 ng

RT: 13.212 min Scan# 1

Delta R.T. -0.008 min

Lab File: BG060762.D

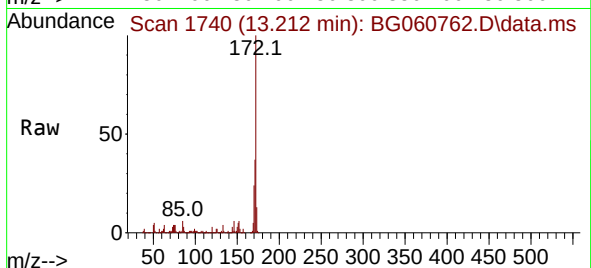
Acq: 3 Apr 2024 14:46

Instrument :

BNA_G

ClientSampleId :

NM-DRUMS-040224



Tgt Ion:172 Resp: 714050

Ion Ratio Lower Upper

172 100

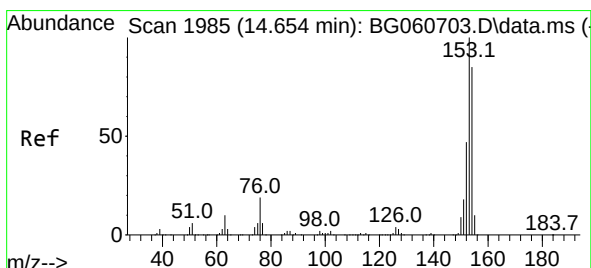
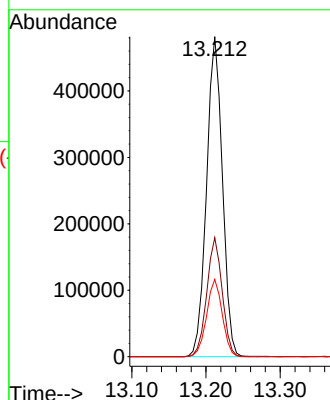
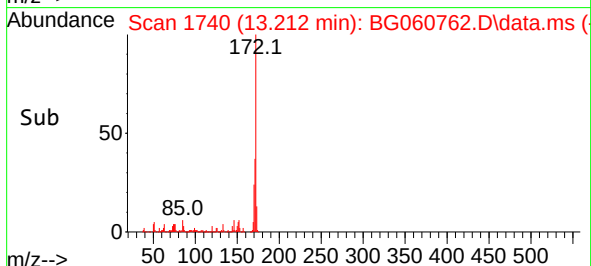
171 37.2 28.7 43.1

170 24.1 19.4 29.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 04/04/2024
Supervised By :mohammad ahmed 04/05/2024



#52

Acenaphthene

Concen: 4.287 ng

RT: 14.651 min Scan# 1985

Delta R.T. -0.003 min

Lab File: BG060762.D

Acq: 3 Apr 2024 14:46

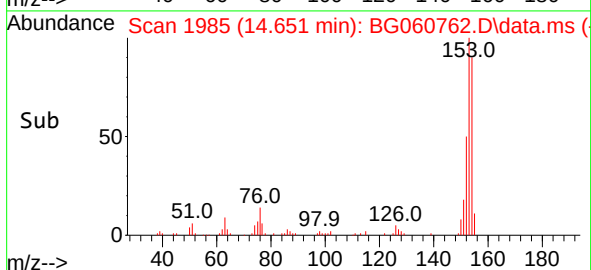
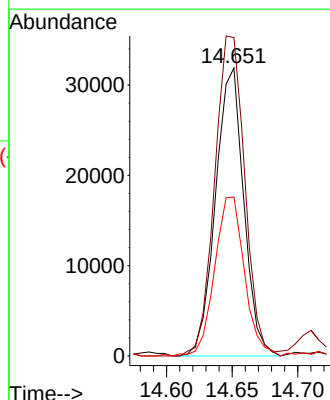
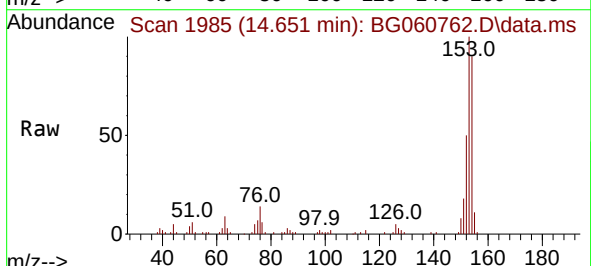
Tgt Ion:154 Resp: 47710

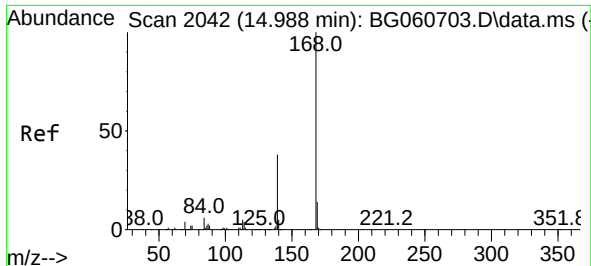
Ion Ratio Lower Upper

154 100

153 110.6 93.9 140.9

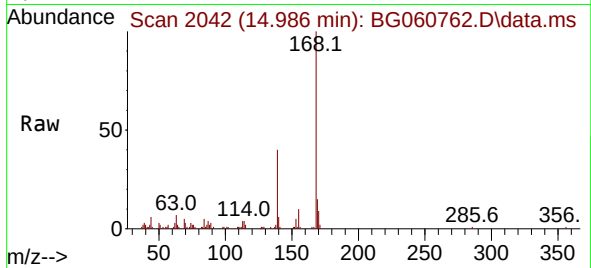
152 55.2 44.1 66.1





#55
Dibenzenofuran
Concen: 2.792 ng
RT: 14.986 min Scan# 2042
Delta R.T. -0.002 min
Lab File: BG060762.D
Acq: 3 Apr 2024 14:46

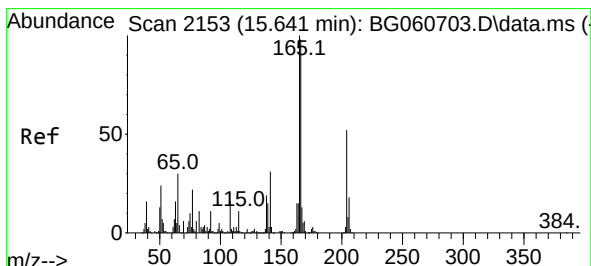
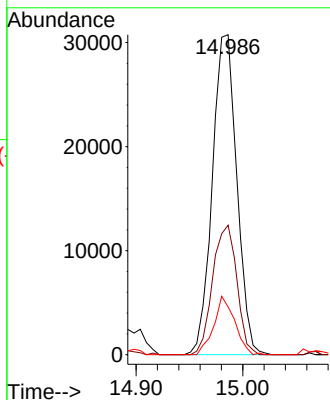
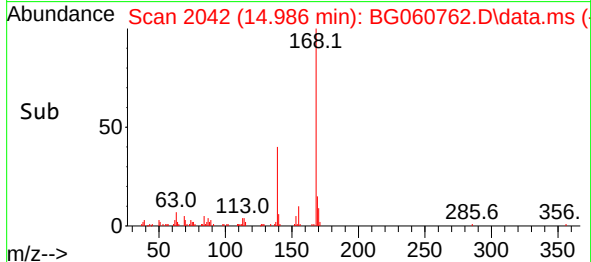
Instrument :
BNA_G
ClientSampleId :
NM-DRUMS-040224



Tgt Ion:168 Resp: 49014
Ion Ratio Lower Upper
168 100
139 40.5 30.1 45.1
169 14.9 11.0 16.4

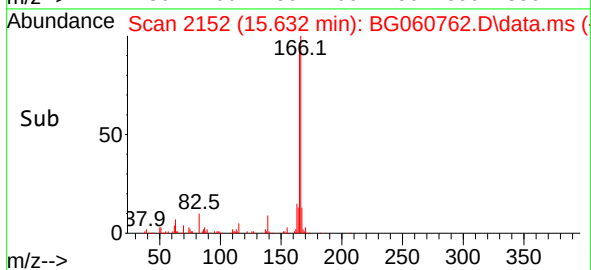
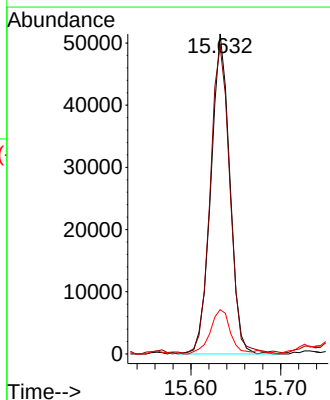
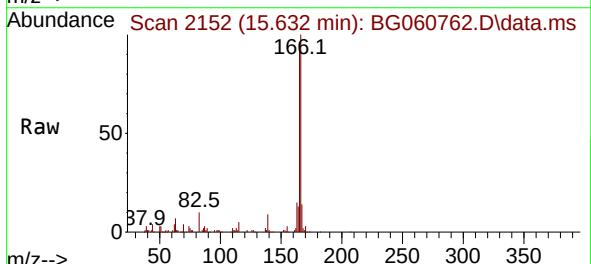
Manual Integrations
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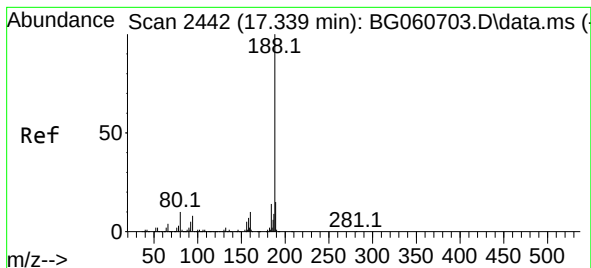
Reviewed By :Jagrut Upadhyay 04/04/2024
Supervised By :mohammad ahmed 04/05/2024



#58
Fluorene
Concen: 5.333 ng
RT: 15.632 min Scan# 2152
Delta R.T. -0.008 min
Lab File: BG060762.D
Acq: 3 Apr 2024 14:46

Tgt Ion:166 Resp: 75134
Ion Ratio Lower Upper
166 100
165 96.2 81.8 122.8
167 13.9 10.9 16.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.331 min Scan# 2442

Delta R.T. -0.008 min

Lab File: BG060762.D

Acq: 3 Apr 2024 14:46

Instrument :

BNA_G

ClientSampleId :

NM-DRUMS-040224

Tgt Ion:188 Resp: 482689

Ion Ratio Lower Upper

188 100

94 7.4 6.6 9.8

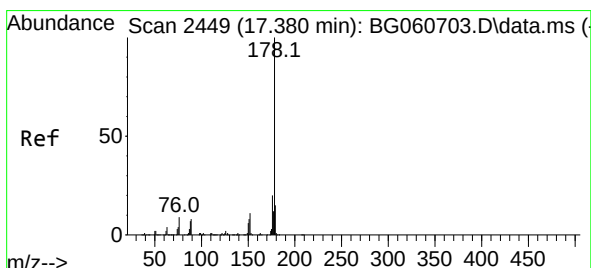
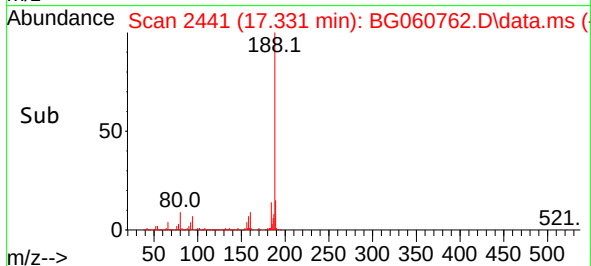
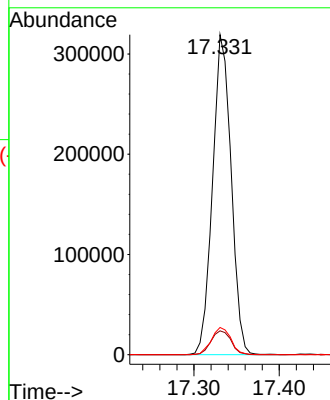
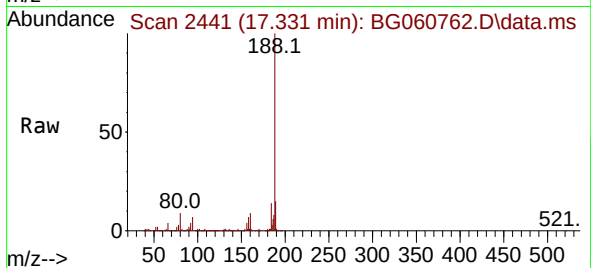
80 8.5 7.6 11.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 04/04/2024

Supervised By :mohammad ahmed 04/05/2024



#71

Phenanthrene

Concen: 36.157 ng

RT: 17.378 min Scan# 2449

Delta R.T. -0.002 min

Lab File: BG060762.D

Acq: 3 Apr 2024 14:46

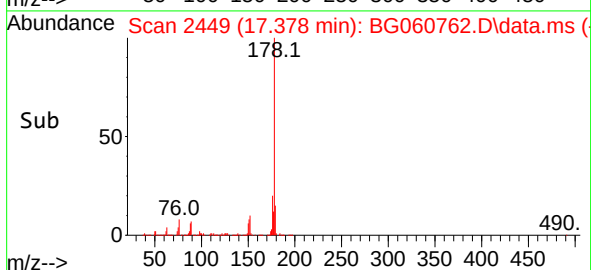
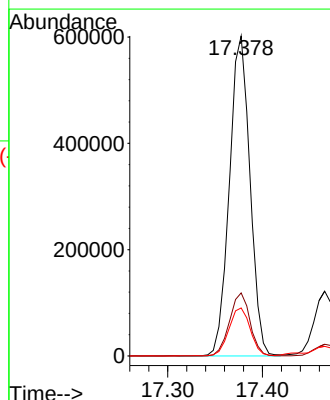
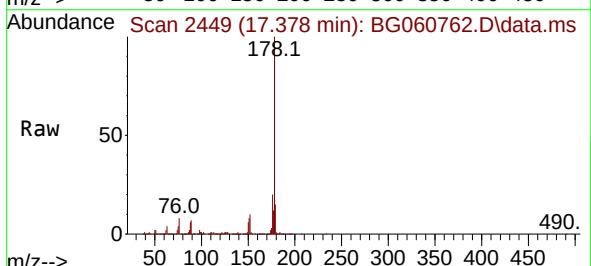
Tgt Ion:178 Resp: 907663

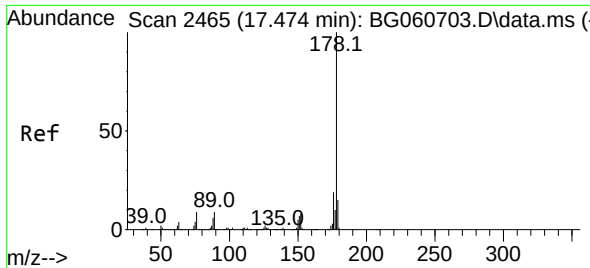
Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.6

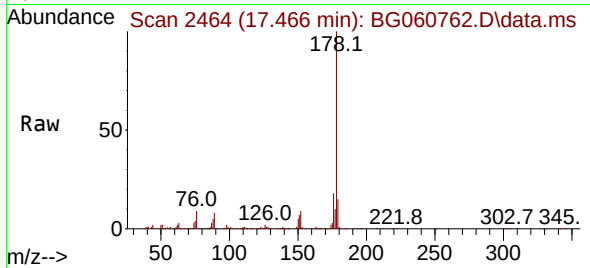
179 15.0 12.2 18.4





#72
 Anthracene
 Concen: 7.131 ng
 RT: 17.466 min Scan# 2464
 Delta R.T. -0.008 min
 Lab File: BG060762.D
 Acq: 3 Apr 2024 14:46

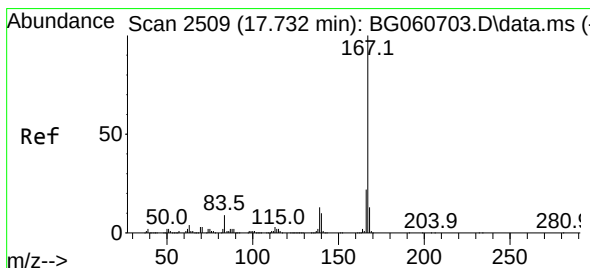
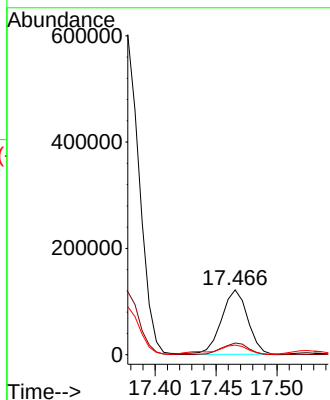
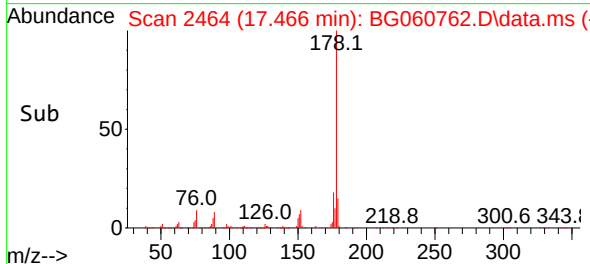
Instrument :
 BNA_G
 ClientSampleId :
 NM-DRUMS-040224



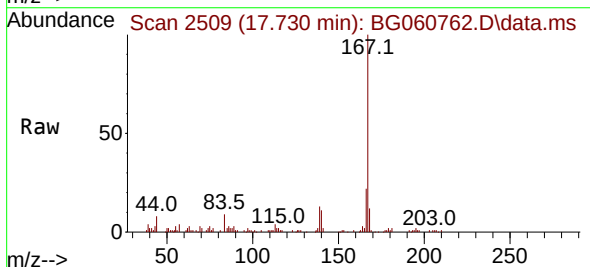
Tgt Ion:178 Resp: 181794
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.5 23.3
 179 14.9 12.2 18.2

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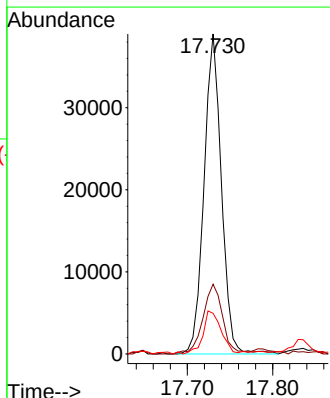
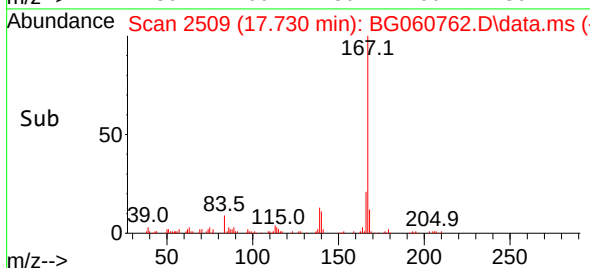
Reviewed By :Jagrut Upadhyay 04/04/2024
 Supervised By :mohammad ahmed 04/05/2024

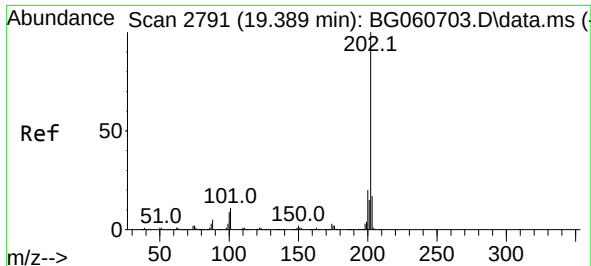


#73
 Carbazole
 Concen: 2.455 ng
 RT: 17.730 min Scan# 2509
 Delta R.T. -0.002 min
 Lab File: BG060762.D
 Acq: 3 Apr 2024 14:46



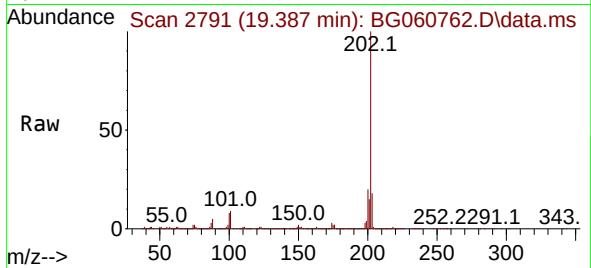
Tgt Ion:167 Resp: 55190
 Ion Ratio Lower Upper
 167 100
 166 21.8 18.0 27.0
 139 12.7 10.5 15.7





#75
Fluoranthene
Concen: 31.088 ng
RT: 19.387 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG060762.D
Acq: 3 Apr 2024 14:46

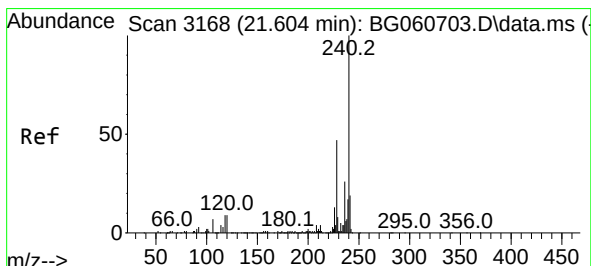
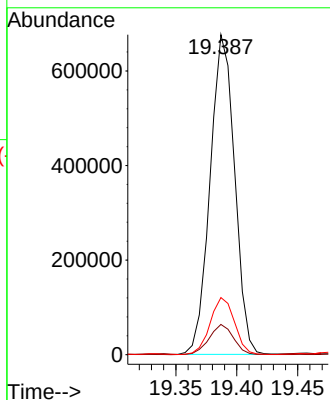
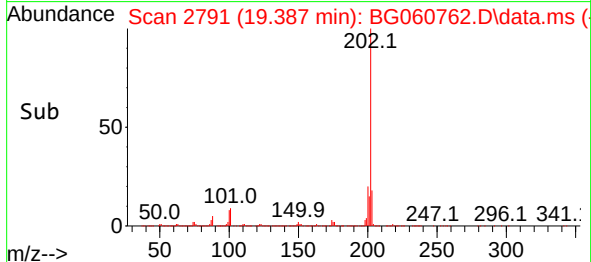
Instrument :
BNA_G
ClientSampleId :
NM-DRUMS-040224



Tgt Ion:202 Resp: 94700
Ion Ratio Lower Upper
202 100
101 9.5 0.0 30.8
203 17.8 0.0 37.4

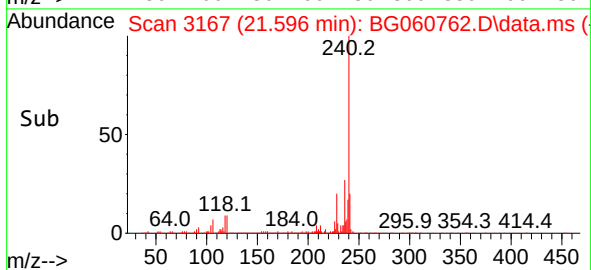
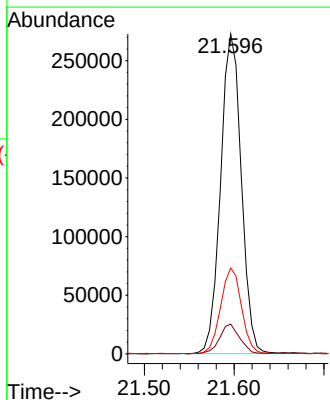
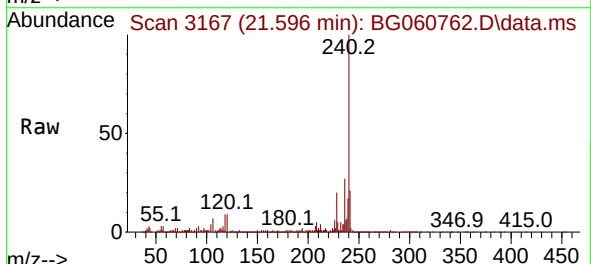
Manual Integrations
APPROVED

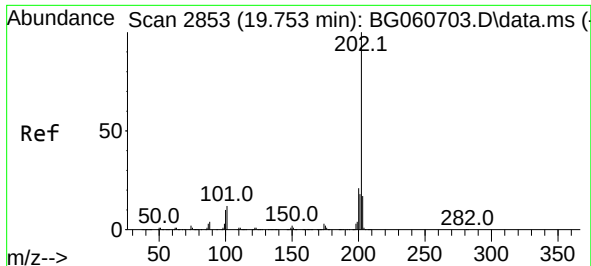
Reviewed By :Jagrut Upadhyay 04/04/2024
Supervised By :mohammad ahmed 04/05/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.596 min Scan# 3167
Delta R.T. -0.008 min
Lab File: BG060762.D
Acq: 3 Apr 2024 14:46

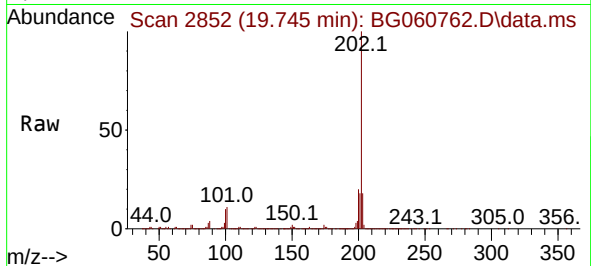
Tgt Ion:240 Resp: 435524
Ion Ratio Lower Upper
240 100
120 9.3 7.1 10.7
236 26.9 20.7 31.1





#78
Pyrene
Concen: 30.554 ng
RT: 19.745 min Scan# 2853
Delta R.T. -0.008 min
Lab File: BG060762.D
Acq: 3 Apr 2024 14:46

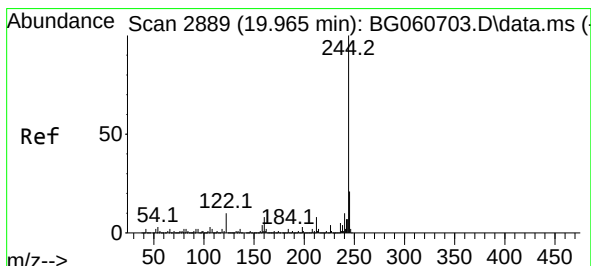
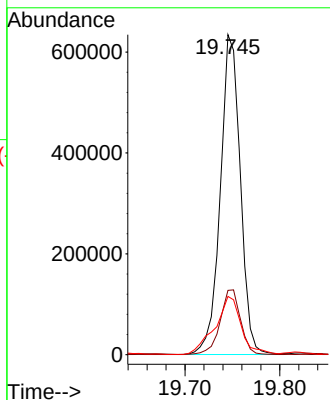
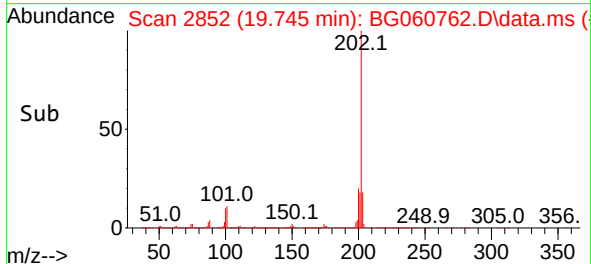
Instrument :
BNA_G
ClientSampleId :
NM-DRUMS-040224



Tgt Ion:202 Resp: 930659
Ion Ratio Lower Upper
202 100
200 20.1 17.0 25.4
203 18.2 14.0 21.0

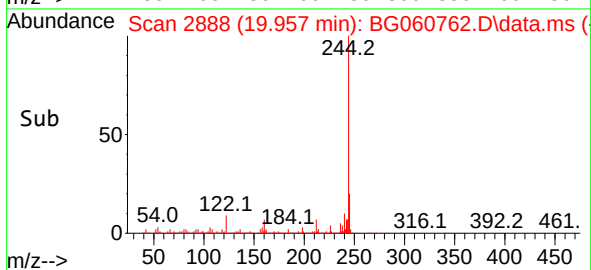
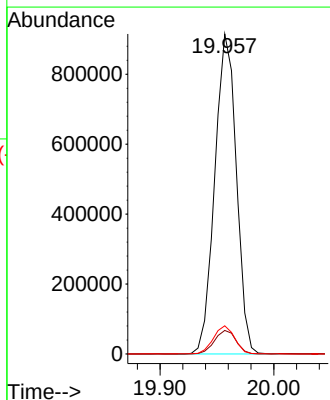
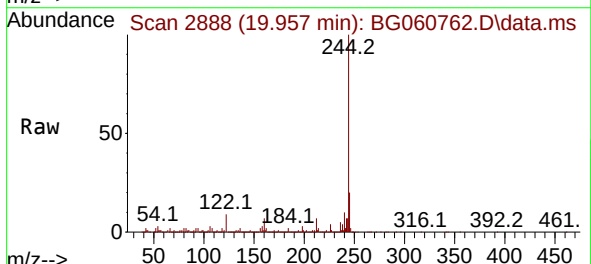
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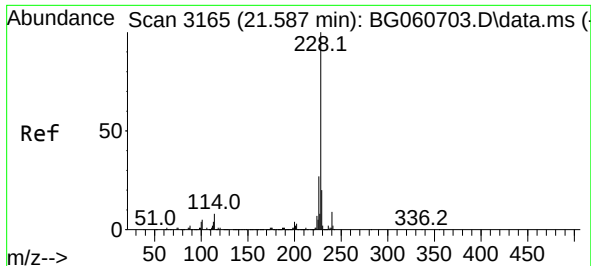
Reviewed By :Jagrut Upadhyay 04/04/2024
Supervised By :mohammad ahmed 04/05/2024



#79
Terphenyl-d14
Concen: 48.819 ng
RT: 19.957 min Scan# 2888
Delta R.T. -0.008 min
Lab File: BG060762.D
Acq: 3 Apr 2024 14:46

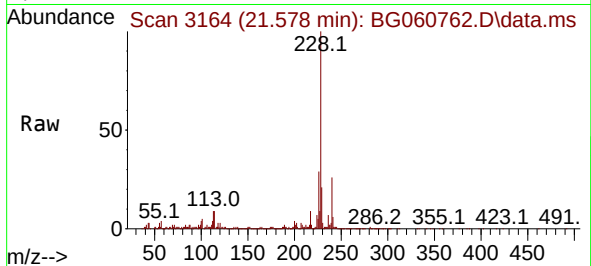
Tgt Ion:244 Resp: 1207479
Ion Ratio Lower Upper
244 100
212 7.3 6.2 9.2
122 8.8 7.8 11.8





#81
Benzo(a)anthracene
Concen: 12.955 ng
RT: 21.578 min Scan# 3164
Delta R.T. -0.008 min
Lab File: BG060762.D
Acq: 3 Apr 2024 14:46

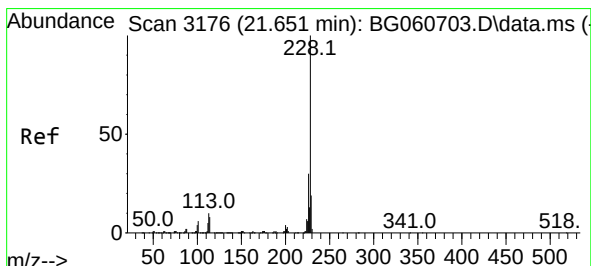
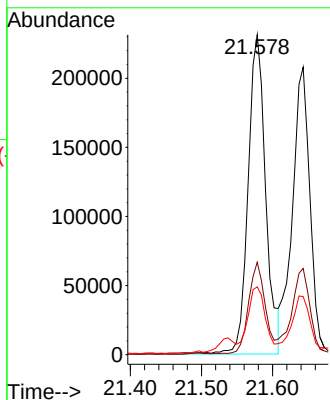
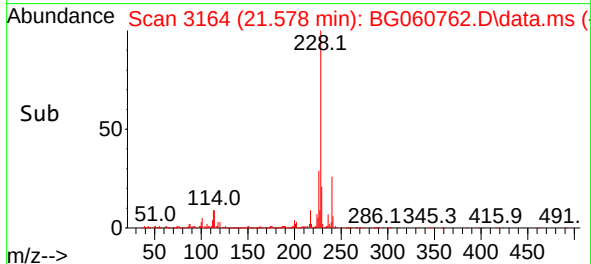
Instrument :
BNA_G
ClientSampleId :
NM-DRUMS-040224



Tgt Ion:228 Resp: 397729
Ion Ratio Lower Upper
228 100
226 28.9 21.7 32.5
229 21.2 15.8 23.8

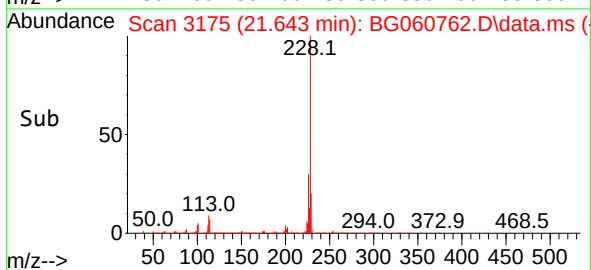
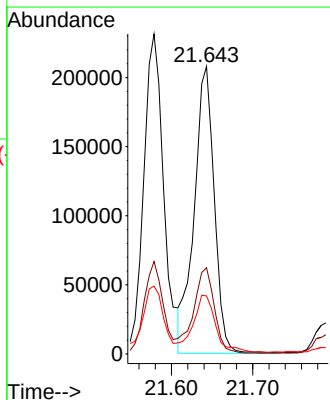
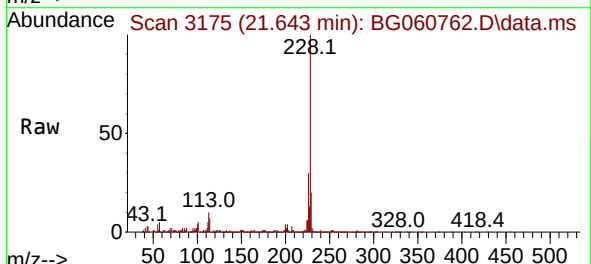
Manual Integrations
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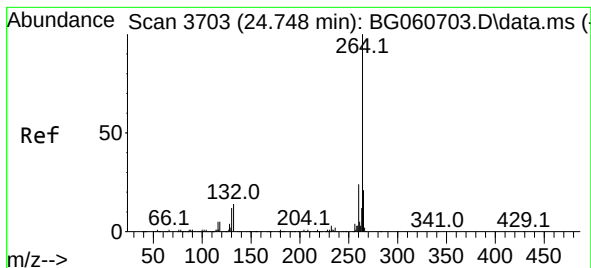
Reviewed By :Jagrut Upadhyay 04/04/2024
Supervised By :mohammad ahmed 04/05/2024



#83
Chrysene
Concen: 12.088 ng
RT: 21.643 min Scan# 3175
Delta R.T. -0.008 min
Lab File: BG060762.D
Acq: 3 Apr 2024 14:46

Tgt Ion:228 Resp: 357685
Ion Ratio Lower Upper
228 100
226 30.0 24.2 36.4
229 20.2 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.739 min Scan# 31

Delta R.T. -0.008 min

Lab File: BG060762.D

Acq: 3 Apr 2024 14:46

Instrument :

BNA_G

ClientSampleId :

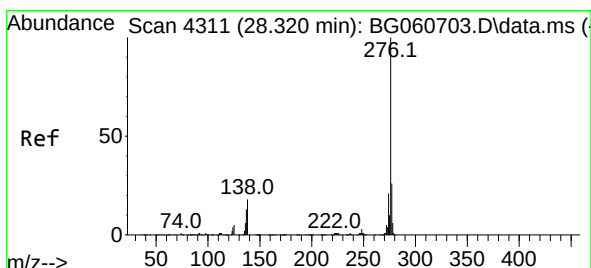
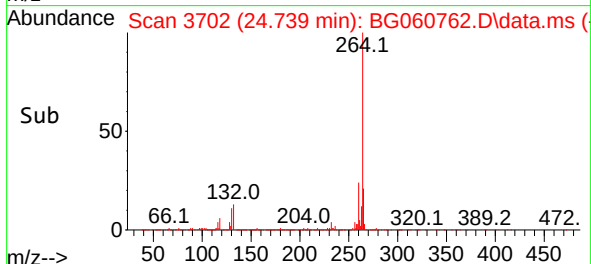
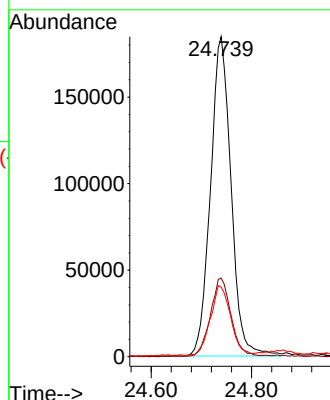
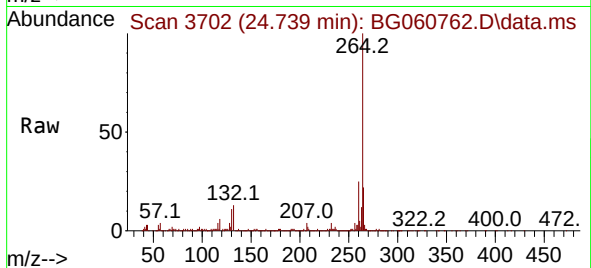
NM-DRUMS-040224

Tgt Ion:	264	Resp:	52481
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.5	29.3
265	21.8	16.9	25.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 04/04/2024
Supervised By :mohammad ahmed 04/05/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.952 ng

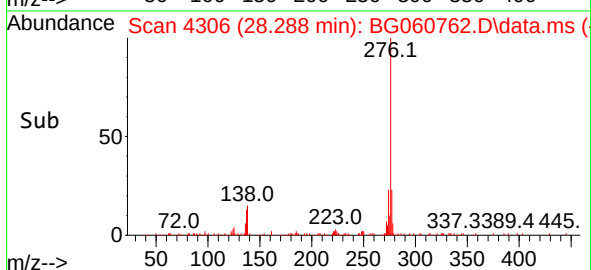
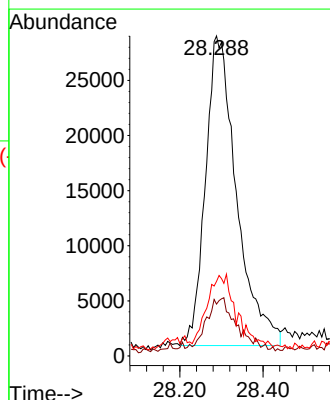
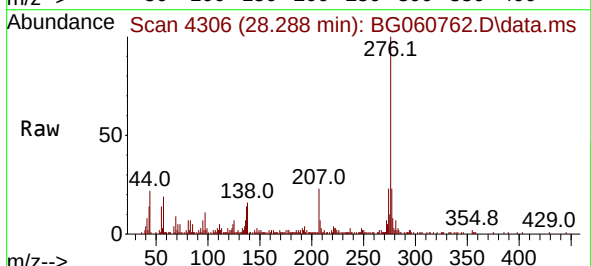
RT: 28.288 min Scan# 4306

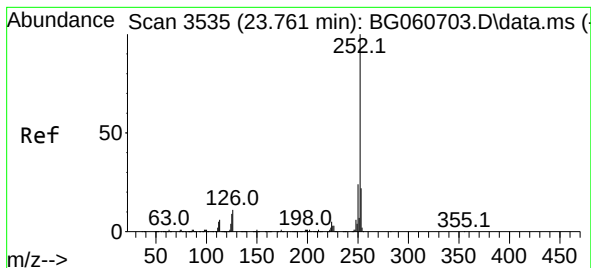
Delta R.T. -0.032 min

Lab File: BG060762.D

Acq: 3 Apr 2024 14:46

Tgt Ion:	276	Resp:	146049
Ion Ratio	Lower	Upper	
276	100		
138	0.0	12.4	18.6#
277	0.0	20.2	30.2#





#88

Benzo(b)fluoranthene

Concen: 11.440 ng

RT: 23.747 min Scan# 3

Delta R.T. -0.014 min

Lab File: BG060762.D

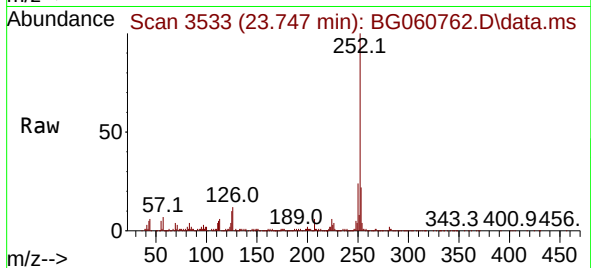
Acq: 3 Apr 2024 14:46

Instrument :

BNA_G

ClientSampleId :

NM-DRUMS-040224



Tgt Ion:252 Resp: 344900

Ion Ratio Lower Upper

252 100

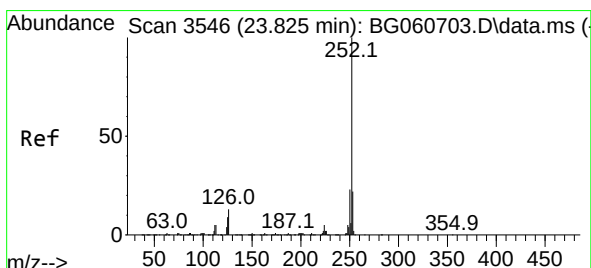
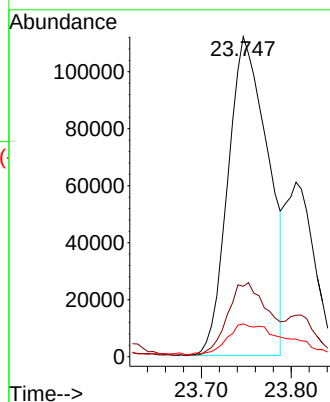
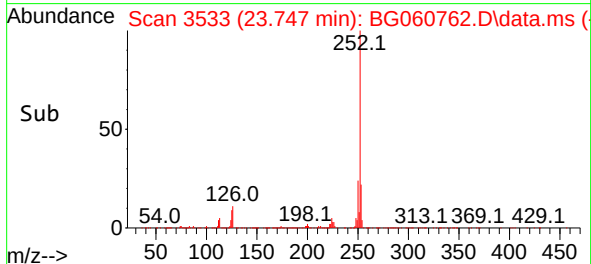
253 22.0 17.8 26.8

125 10.3 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 04/04/2024
Supervised By :mohammad ahmed 04/05/2024



#89

Benzo(k)fluoranthene

Concen: 4.412 ng m

RT: 23.805 min Scan# 3543

Delta R.T. -0.020 min

Lab File: BG060762.D

Acq: 3 Apr 2024 14:46

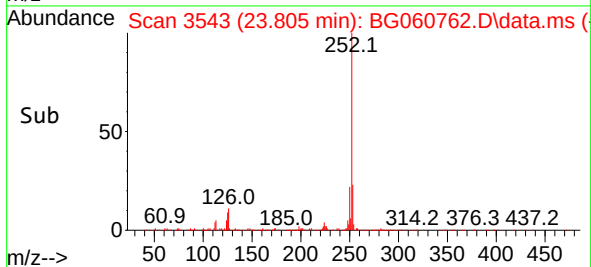
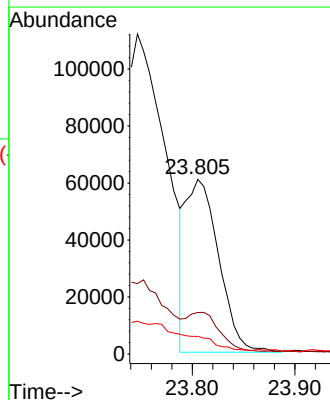
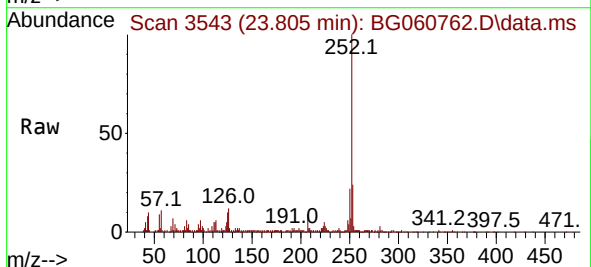
Tgt Ion:252 Resp: 136169

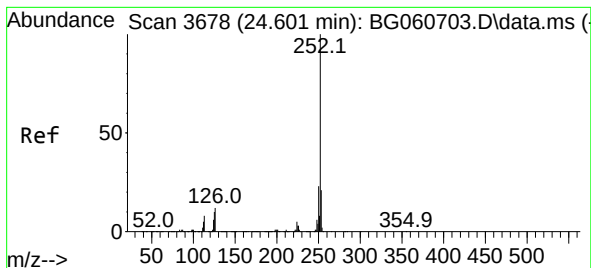
Ion Ratio Lower Upper

252 100

253 23.8 17.6 26.4

125 10.1 7.5 11.3





#90

Benzo(a)pyrene

Concen: 10.046 ng

RT: 24.587 min Scan# 30

Delta R.T. -0.014 min

Lab File: BG060762.D

Acq: 3 Apr 2024 14:46

Instrument :

BNA_G

ClientSampleId :

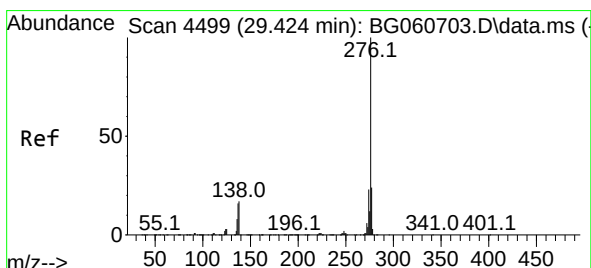
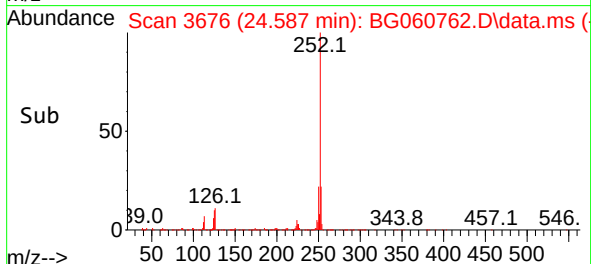
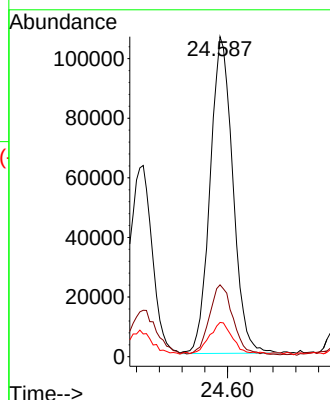
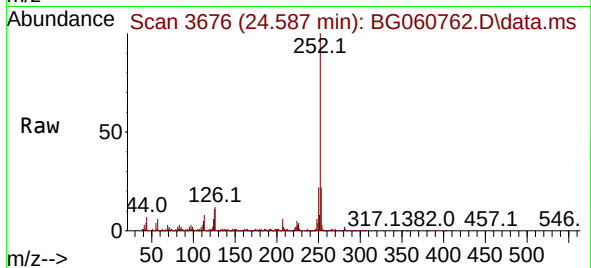
NM-DRUMS-040224

Tgt Ion:	252	Resp:	29434
Ion Ratio	Lower	Upper	
252	100		
253	22.5	16.8	25.2
125	10.7	7.6	11.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 04/04/2024
Supervised By :mohammad ahmed 04/05/2024



#92

Benzo(g,h,i)perylene

Concen: 4.485 ng

RT: 29.399 min Scan# 4495

Delta R.T. -0.026 min

Lab File: BG060762.D

Acq: 3 Apr 2024 14:46

Tgt Ion:	276	Resp:	135928
Ion Ratio	Lower	Upper	
276	100		
277	25.8	18.9	28.3
138	17.4	14.0	21.0

