

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122023\
 Data File : BG060102.D
 Acq On : 20 Dec 2023 13:27
 Operator : MA/JU
 Sample : 05853-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EAST-WALL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/21/2023
 Supervised By :mohammad ahmed 12/21/2023

Quant Time: Dec 20 14:06:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 19 04:37:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.951	152	53343	20.000	ng	0.00
21) Naphthalene-d8	10.754	136	187199	20.000	ng	# 0.00
39) Acenaphthene-d10	14.591	164	179819	20.000	ng	0.00
64) Phenanthrene-d10	17.334	188	522799	20.000	ng	#-0.01
76) Chrysene-d12	21.606	240	602278	20.000	ng	#-0.01
86) Perylene-d12	24.796	264	696350	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.525	112	201769	64.751	ng	0.00
7) Phenol-d6	7.111	99	319693	72.934	ng	0.00
23) Nitrobenzene-d5	9.109	82	241043	58.469	ng	-0.01
42) 2,4,6-Tribromophenol	16.077	330	396389	94.590	ng	0.00
45) 2-Fluorobiphenyl	13.210	172	831500	56.594	ng	0.00
79) Terphenyl-d14	19.961	244	1933816	58.621	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.382	178	265056	10.467	ng	95
72) Anthracene	17.470	178	72385	2.843	ng	99
75) Fluoranthene	19.391	202	547567	14.818	ng	95
78) Pyrene	19.755	202	468141	12.823	ng	97
81) Benzo(a)anthracene	21.588	228	323723	8.002	ng	95
83) Chrysene	21.653	228	271086	7.073	ng	98
87) Indeno(1,2,3-cd)pyrene	28.416	276	182054	3.663	ng	# 93
88) Benzo(b)fluoranthene	23.786	252	354974	8.254	ng	# 98
89) Benzo(k)fluoranthene	23.845	252	125385m	3.006	ng	
90) Benzo(a)pyrene	24.644	252	259013m	6.798	ng	
92) Benzo(g,h,i)perylene	29.550	276	157450	3.809	ng	# 96

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

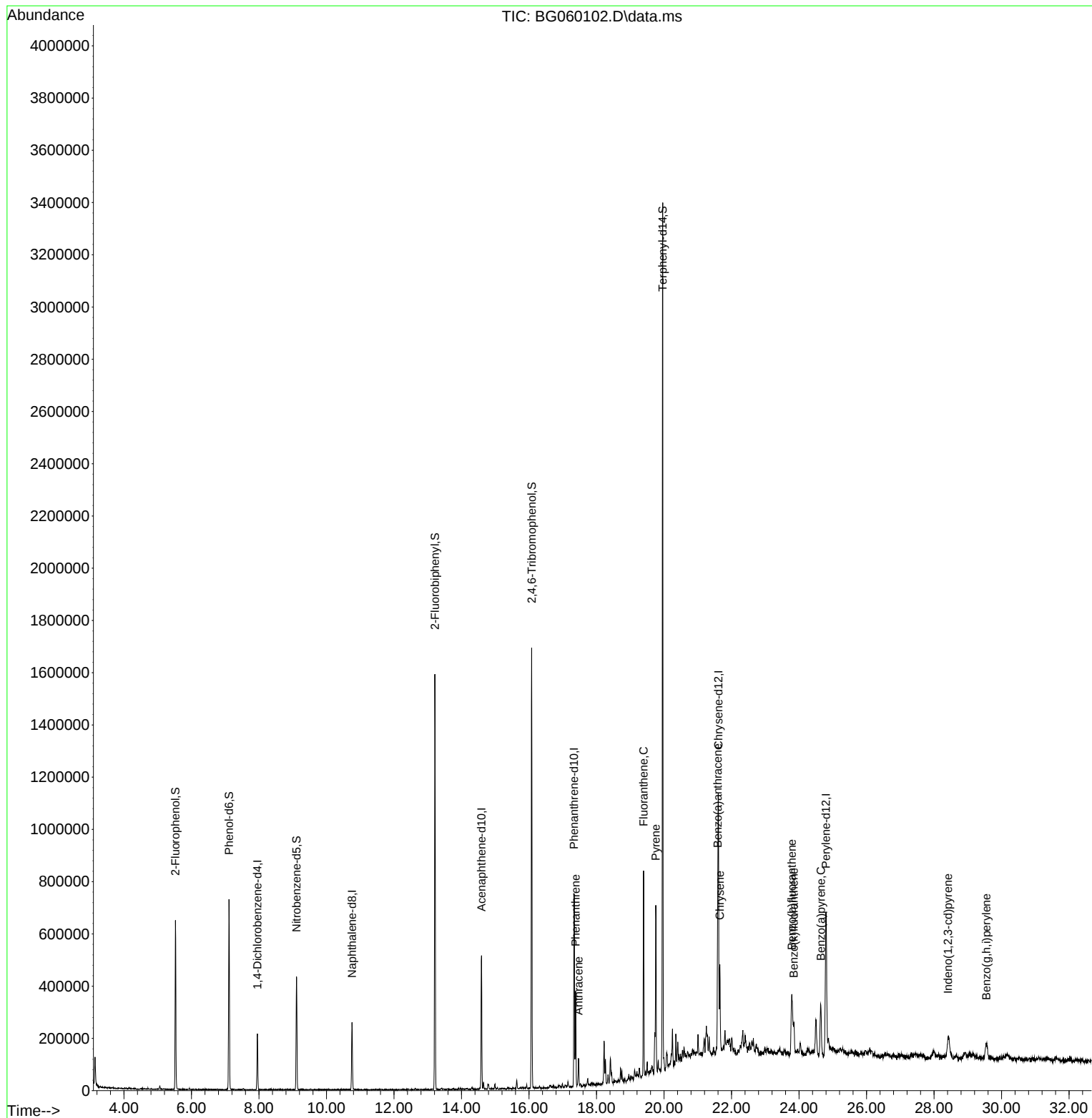
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122023\
Data File : BG060102.D
Acq On : 20 Dec 2023 13:27
Operator : MA/JU
Sample : 05853-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

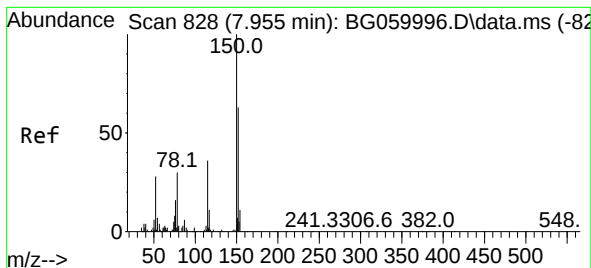
Instrument :
BNA_G
ClientSampleId :
EAST-WALL

Quant Time: Dec 20 14:06:26 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 19 04:37:23 2023
Response via : Initial Calibration

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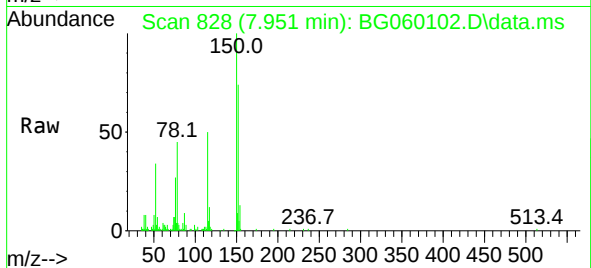
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.951 min Scan# 81
Delta R.T. -0.008 min
Lab File: BG060102.D
Acq: 20 Dec 2023 13:27

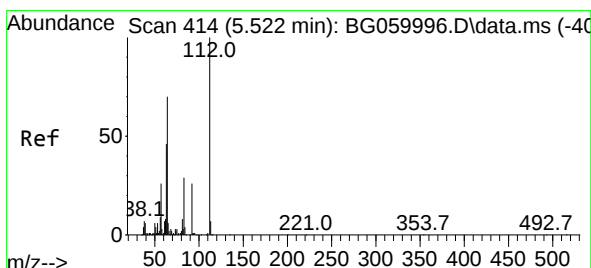
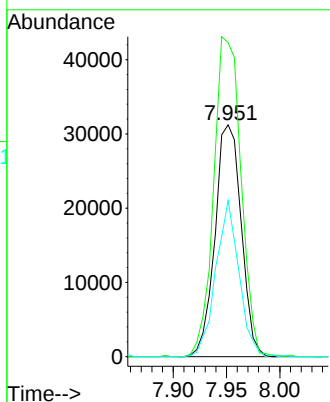
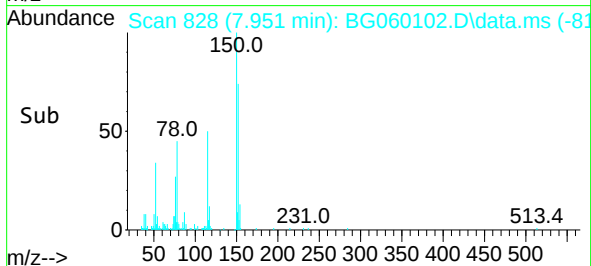
Instrument :
BNA_G
ClientSampleId :
EAST-WALL



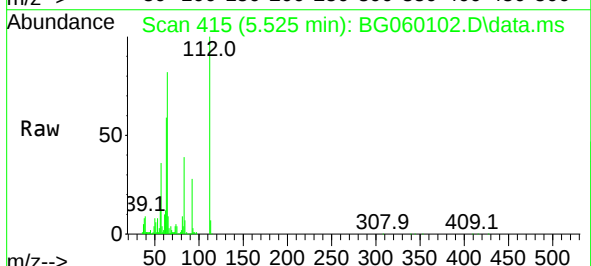
Tgt Ion:152 Resp: 5334
Ion Ratio Lower Upper
152 100
150 135.5 127.0 190.6
115 67.4 45.7 68.5

Manual Integrations
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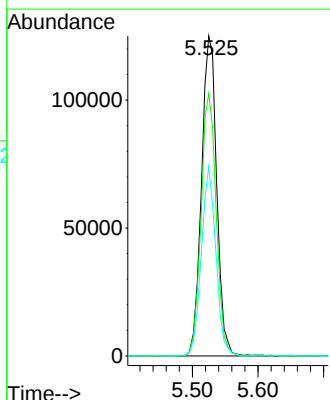
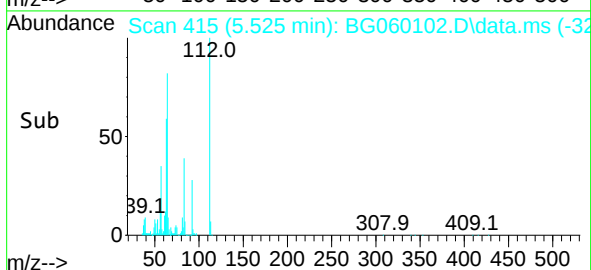
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023

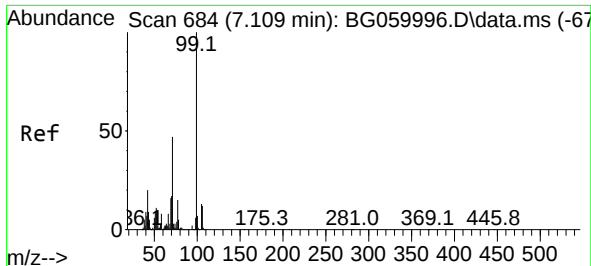


#5
2-Fluorophenol
Concen: 64.751 ng
RT: 5.525 min Scan# 415
Delta R.T. -0.001 min
Lab File: BG060102.D
Acq: 20 Dec 2023 13:27



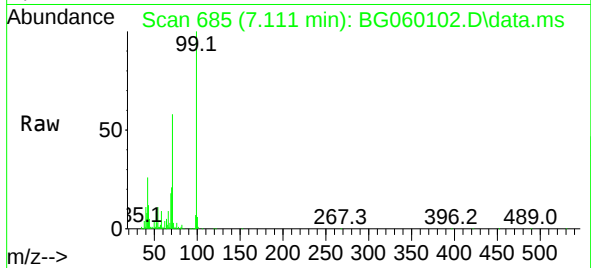
Tgt Ion:112 Resp: 201769
Ion Ratio Lower Upper
112 100
64 82.0 55.9 83.9
63 59.3 36.5 54.7#





#7
Phenol-d6
Concen: 72.934 ng
RT: 7.111 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG060102.D
Acq: 20 Dec 2023 13:27

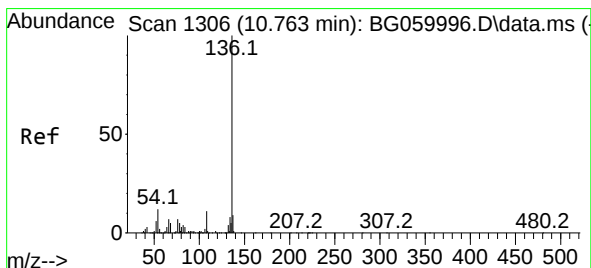
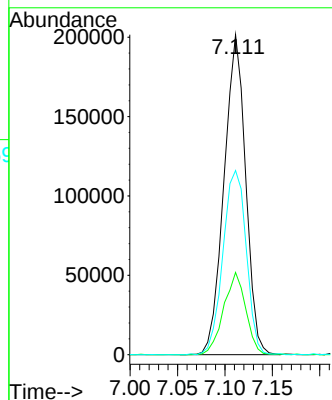
Instrument :
BNA_G
ClientSampleId :
EAST-WALL



Tgt Ion: 99 Resp: 31969
Ion Ratio Lower Upper
99 100
42 25.7 16.2 24.4
71 57.6 37.6 56.4

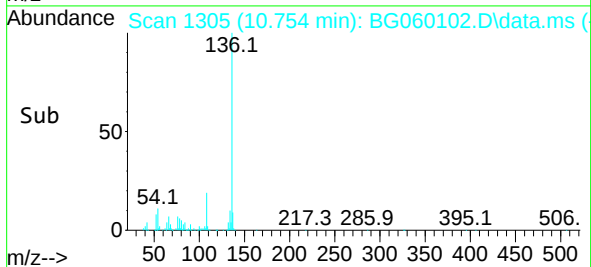
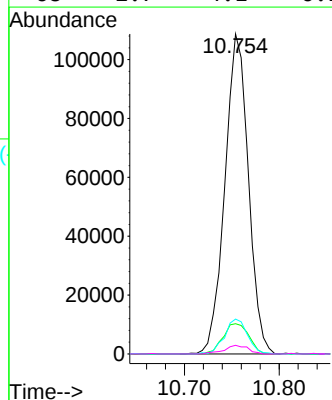
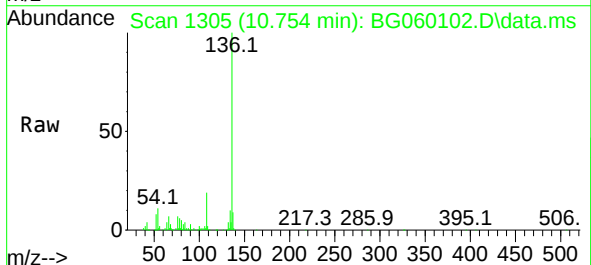
Manual Integrations
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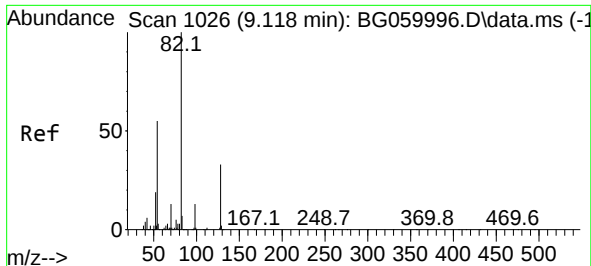
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.754 min Scan# 1305
Delta R.T. -0.007 min
Lab File: BG060102.D
Acq: 20 Dec 2023 13:27

Tgt Ion:136 Resp: 187199
Ion Ratio Lower Upper
136 100
137 9.4 7.3 10.9
54 10.9 9.6 14.4
68 2.7 4.1 6.1





#23
Nitrobenzene-d5
Concen: 58.469 ng
RT: 9.109 min Scan# 1026
Delta R.T. -0.013 min
Lab File: BG060102.D
Acq: 20 Dec 2023 13:27

Instrument :

BNA_G

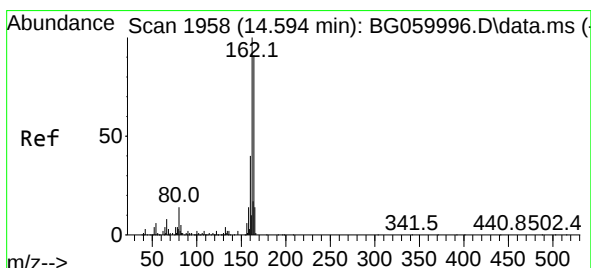
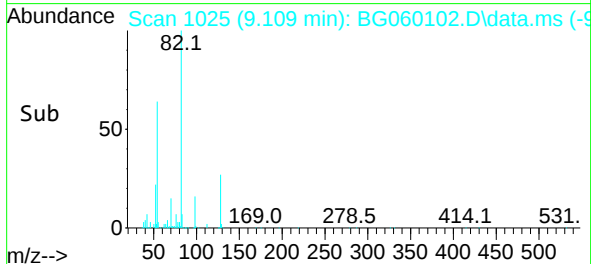
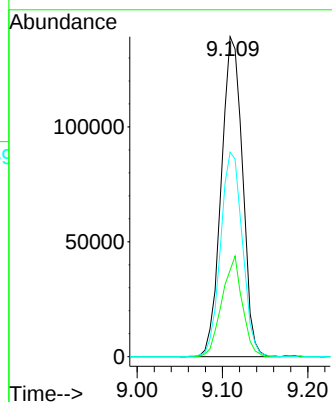
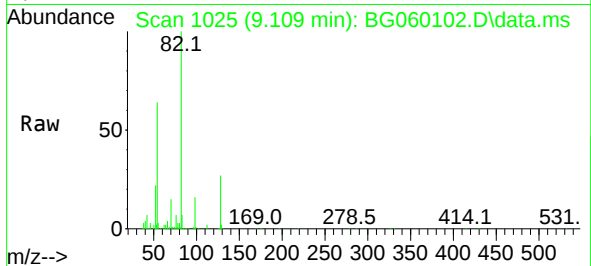
ClientSampleId :

EAST-WALL

Tgt Ion: 82 Resp: 24104
Ion Ratio Lower Upper
82 100
128 27.1 26.3 39.5
54 63.9 44.3 66.5

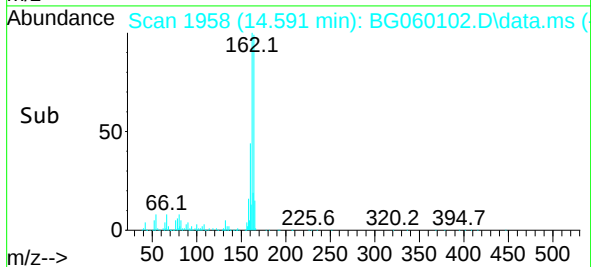
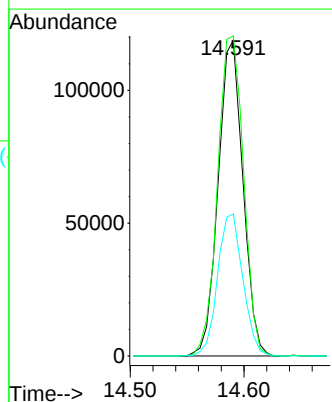
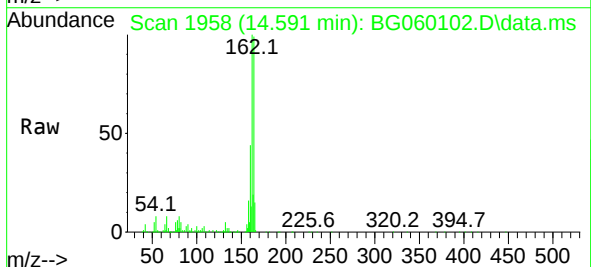
Manual Integrations
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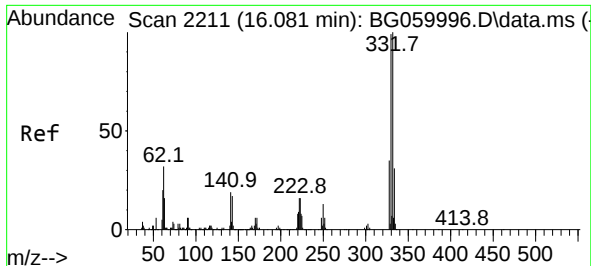
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.591 min Scan# 1958
Delta R.T. -0.007 min
Lab File: BG060102.D
Acq: 20 Dec 2023 13:27

Tgt Ion:164 Resp: 179819
Ion Ratio Lower Upper
164 100
162 101.3 88.1 132.1
160 45.0 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 94.590 ng
RT: 16.077 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG060102.D
Acq: 20 Dec 2023 13:27

Instrument :

BNA_G

ClientSampleId :

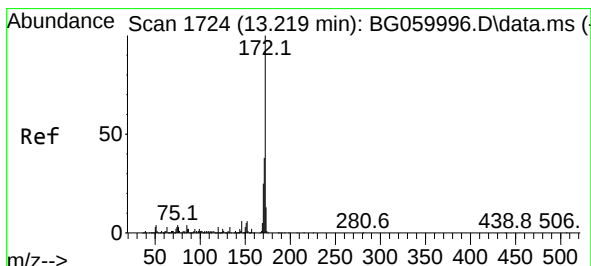
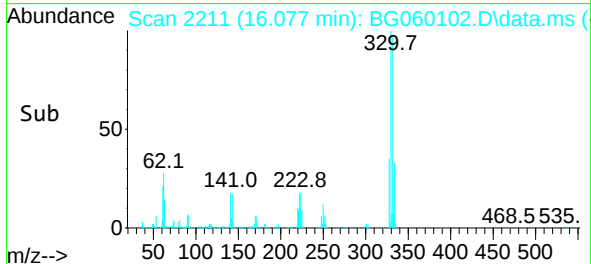
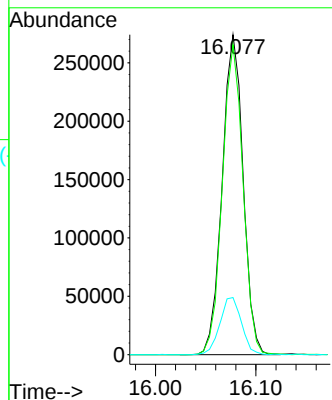
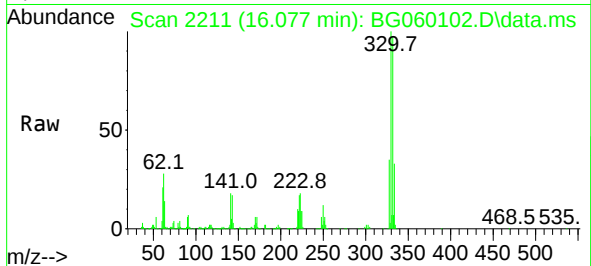
EAST-WALL

Tgt Ion:330 Resp: 396389
Ion Ratio Lower Upper
330 100
332 95.5 76.2 114.4
141 18.5 14.3 21.5

Manual Integrations

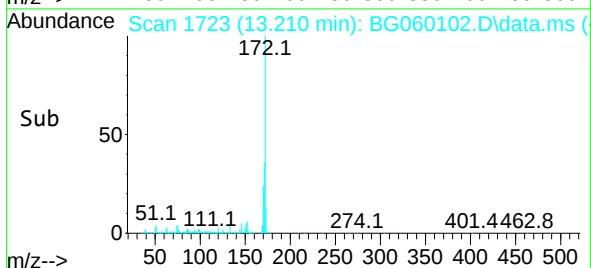
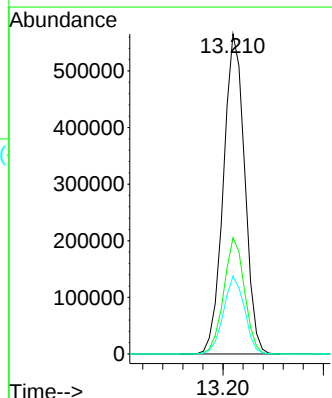
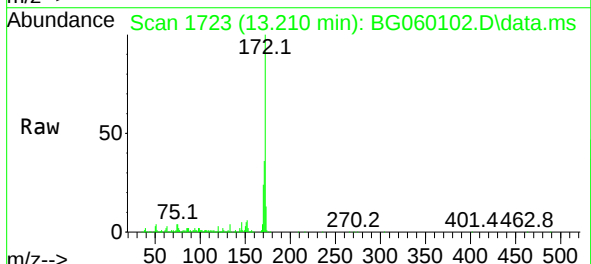
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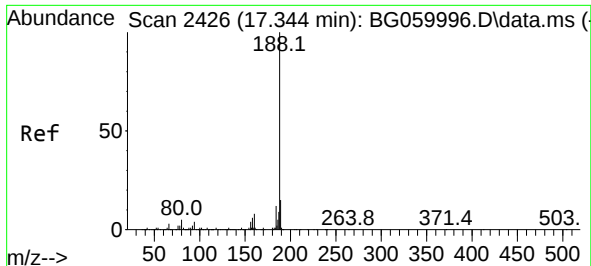
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#45
2-Fluorobiphenyl
Concen: 56.594 ng
RT: 13.210 min Scan# 1723
Delta R.T. -0.007 min
Lab File: BG060102.D
Acq: 20 Dec 2023 13:27

Tgt Ion:172 Resp: 831500
Ion Ratio Lower Upper
172 100
171 36.3 30.1 45.1
170 24.3 20.0 30.0





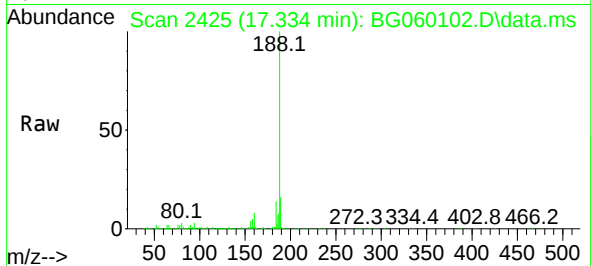
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.334 min Scan# 2426
Delta R.T. -0.013 min
Lab File: BG060102.D
Acq: 20 Dec 2023 13:27

Instrument :

BNA_G

ClientSampleId :

EAST-WALL

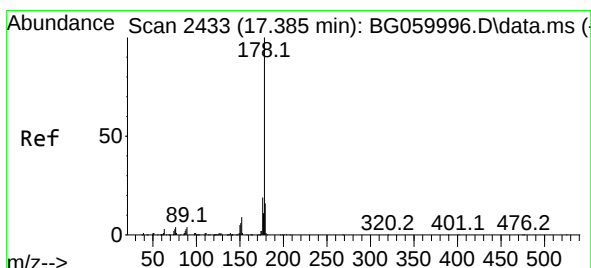
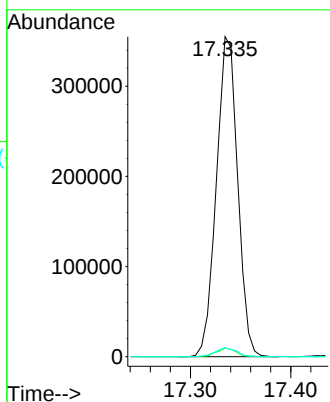
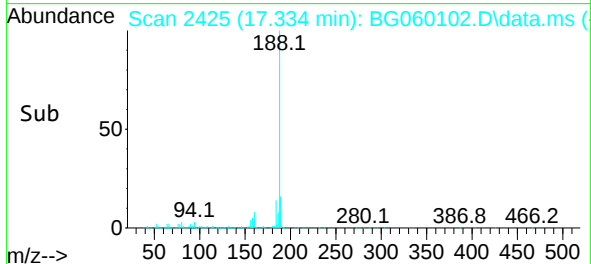


Tgt Ion:188 Resp: 522799
Ion Ratio Lower Upper
188 100
94 2.7 3.0 4.6
80 2.8 4.0 6.0

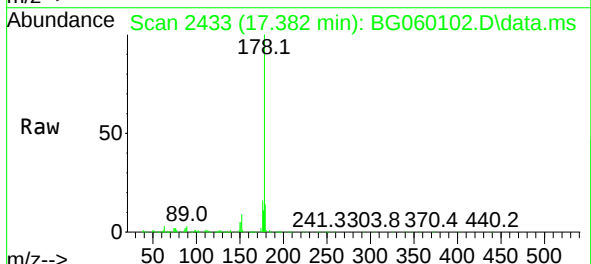
Manual Integrations

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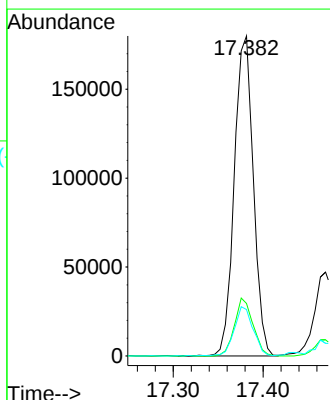
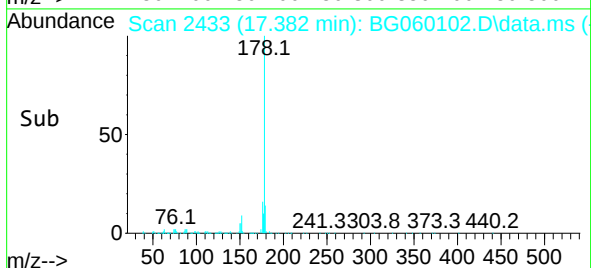
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Supervised By :mohammad ahmed 12/21/2023

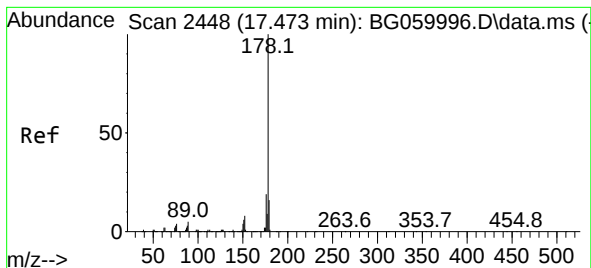


#71
Phenanthrene
Concen: 10.467 ng
RT: 17.382 min Scan# 2433
Delta R.T. -0.007 min
Lab File: BG060102.D
Acq: 20 Dec 2023 13:27



Tgt Ion:178 Resp: 265056
Ion Ratio Lower Upper
178 100
176 16.4 15.6 23.4
179 14.5 12.6 19.0





#72

Anthracene

Concen: 2.843 ng

RT: 17.470 min Scan# 2448

Delta R.T. -0.007 min

Lab File: BG060102.D

Acq: 20 Dec 2023 13:27

Instrument :

BNA_G

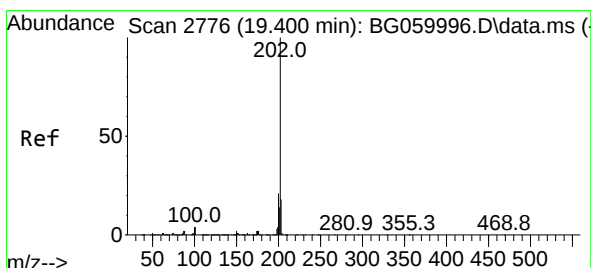
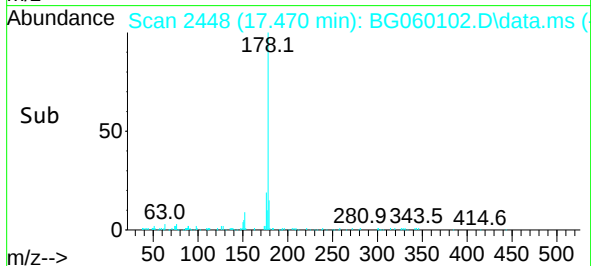
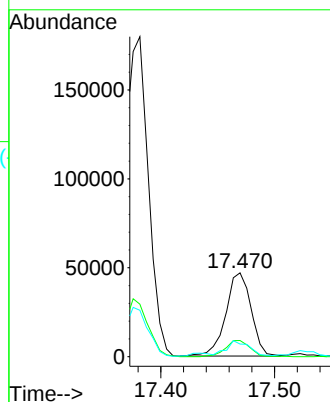
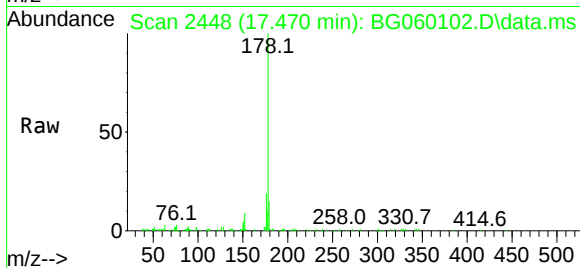
ClientSampleId :

EAST-WALL

Tgt Ion:178 Resp: 72385
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.0 22.6
 179 15.1 12.6 19.0

Manual Integrations
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Reviewed By :Yogesh Patel 12/21/2023
 Supervised By :mohammad ahmed 12/21/2023



#75

Fluoranthene

Concen: 14.818 ng

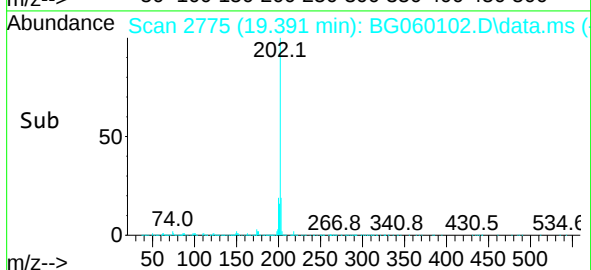
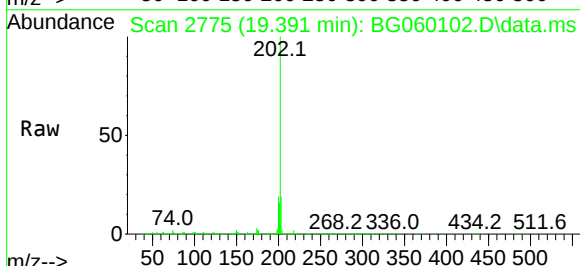
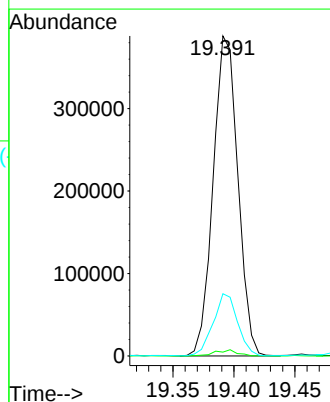
RT: 19.391 min Scan# 2775

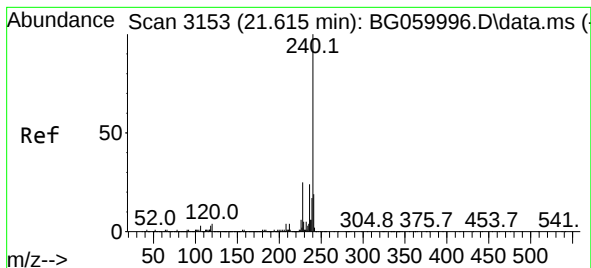
Delta R.T. -0.013 min

Lab File: BG060102.D

Acq: 20 Dec 2023 13:27

Tgt Ion:202 Resp: 547567
 Ion Ratio Lower Upper
 202 100
 101 1.4 0.0 24.2
 203 19.4 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.606 min Scan# 3153

Delta R.T. -0.013 min

Lab File: BG060102.D

Acq: 20 Dec 2023 13:27

Instrument :

BNA_G

ClientSampleId :

EAST-WALL

Tgt Ion:240 Resp: 602278

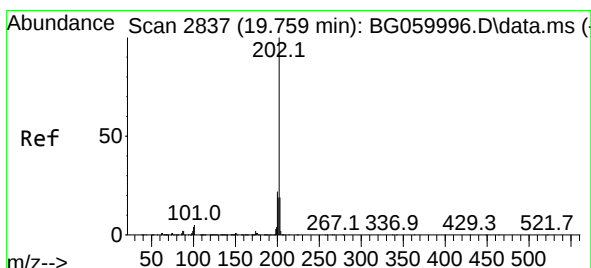
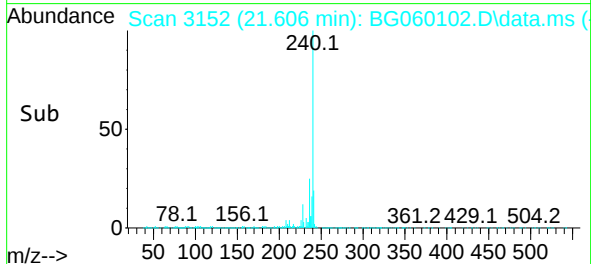
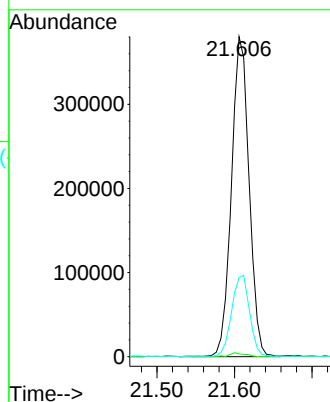
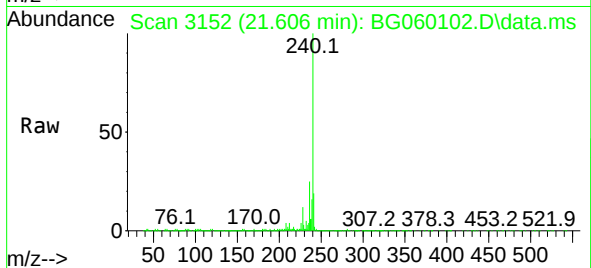
Ion	Ratio	Lower	Upper
240	100		
120	0.9	2.9	4.3
236	24.7	19.4	29.2

Manual Integrations

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Reviewed By :Yogesh Patel 12/21/2023

Supervised By :mohammad ahmed 12/21/2023



#78

Pyrene

Concen: 12.823 ng

RT: 19.755 min Scan# 2837

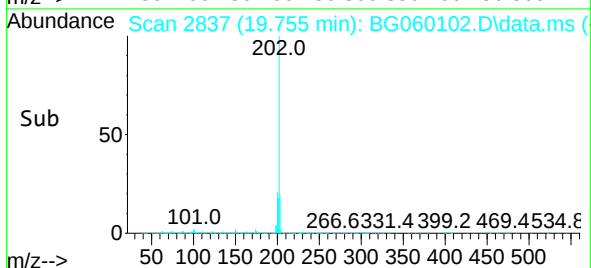
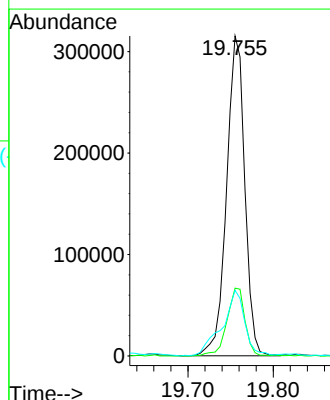
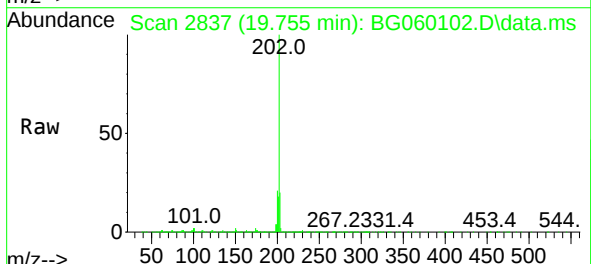
Delta R.T. -0.007 min

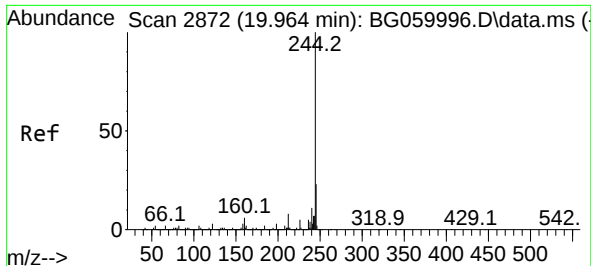
Lab File: BG060102.D

Acq: 20 Dec 2023 13:27

Tgt Ion:202 Resp: 468141

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.6	26.4
203	20.5	14.9	22.3





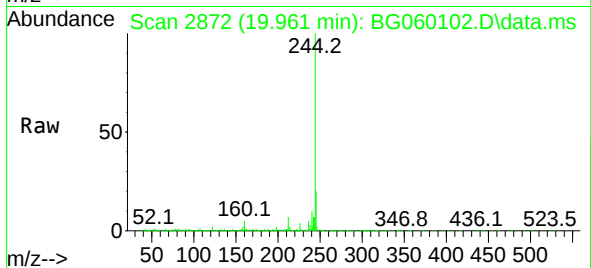
#79
 Terphenyl-d14
 Concen: 58.621 ng
 RT: 19.961 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: BG060102.D
 Acq: 20 Dec 2023 13:27

Instrument :

BNA_G

ClientSampleId :

EAST-WALL



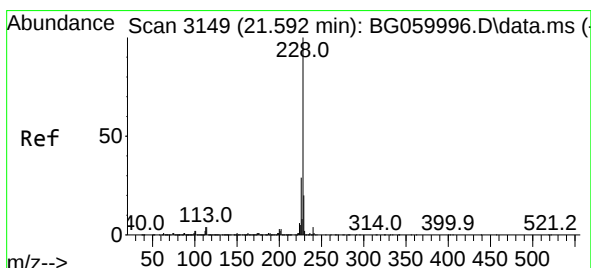
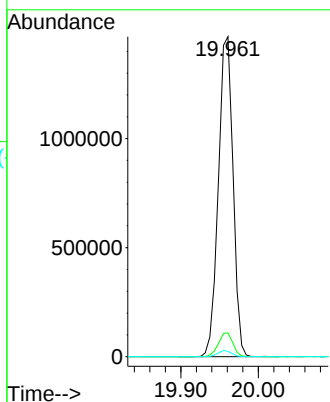
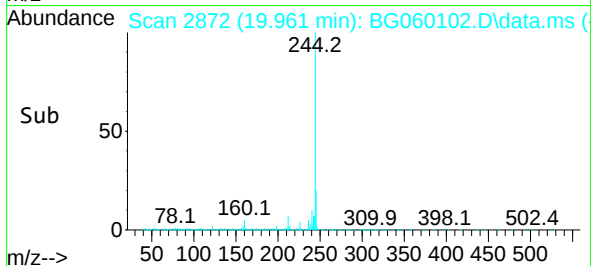
Tgt Ion:244 Resp: 1933810
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.8 10.2
 122 1.6 2.6 3.8

Manual Integrations

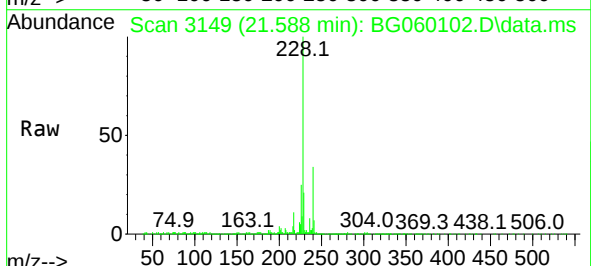
APPROVED

Reviewed By :Yogesh Patel 12/21/2023

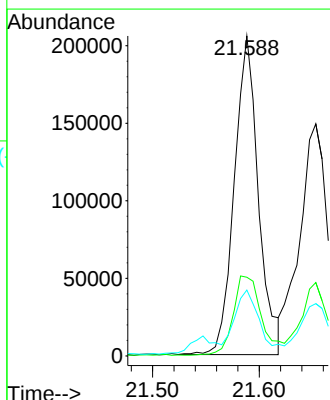
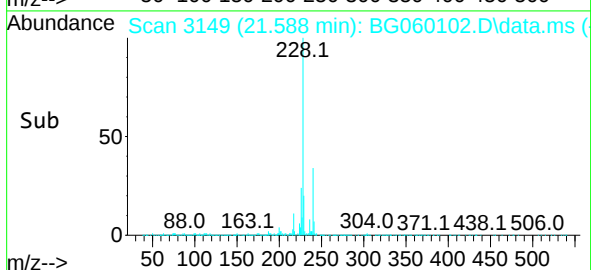
Supervised By :mohammad ahmed 12/21/2023

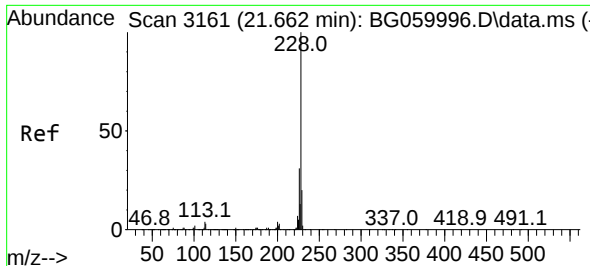


#81
 Benzo(a)anthracene
 Concen: 8.002 ng
 RT: 21.588 min Scan# 3149
 Delta R.T. -0.013 min
 Lab File: BG060102.D
 Acq: 20 Dec 2023 13:27



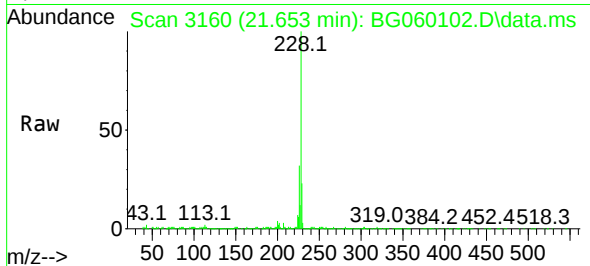
Tgt Ion:228 Resp: 323723
 Ion Ratio Lower Upper
 228 100
 226 24.6 22.9 34.3
 229 20.6 16.2 24.2





#83
Chrysene
Concen: 7.073 ng
RT: 21.653 min Scan# 3161
Delta R.T. -0.013 min
Lab File: BG060102.D
Acq: 20 Dec 2023 13:27

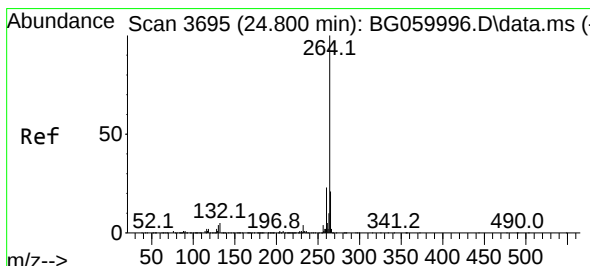
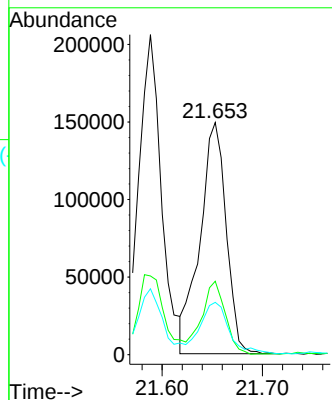
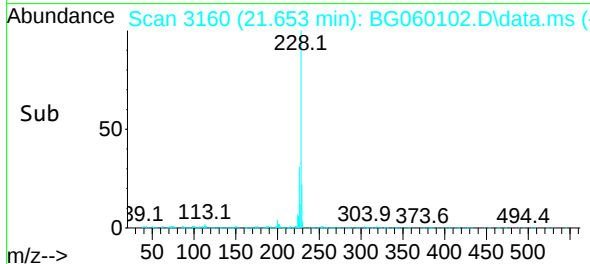
Instrument :
BNA_G
ClientSampleId :
EAST-WALL



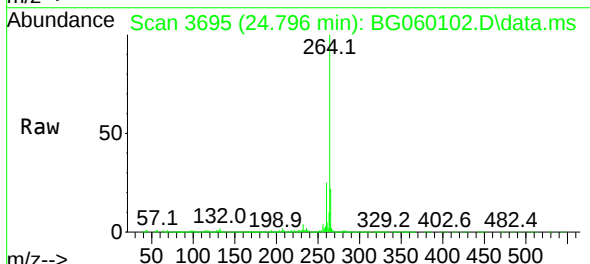
Tgt Ion:228 Resp: 271080
Ion Ratio Lower Upper
228 100
226 31.6 25.0 37.6
229 22.6 16.2 24.2

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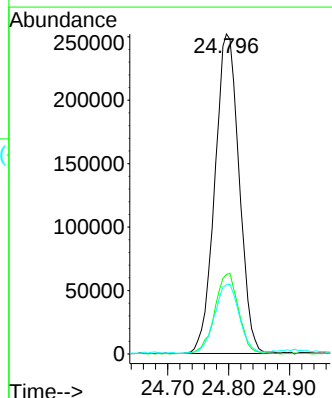
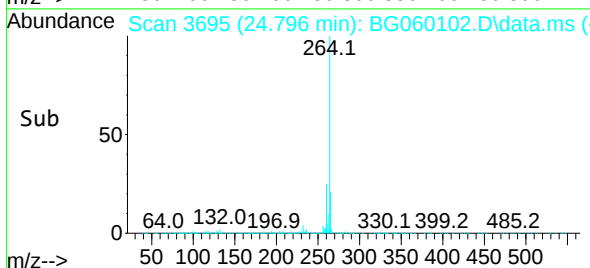
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023

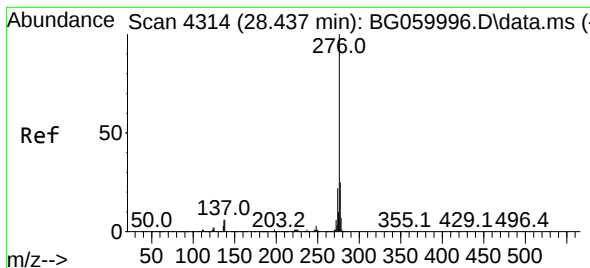


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.796 min Scan# 3695
Delta R.T. -0.019 min
Lab File: BG060102.D
Acq: 20 Dec 2023 13:27



Tgt Ion:264 Resp: 696350
Ion Ratio Lower Upper
264 100
260 24.9 18.5 27.7
265 21.6 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.663 ng

RT: 28.416 min Scan# 4314

Delta R.T. -0.043 min

Lab File: BG060102.D

Acq: 20 Dec 2023 13:27

Instrument :

BNA_G

ClientSampleId :

EAST-WALL

Tgt Ion:276 Resp: 182054

Ion Ratio Lower Upper

276 100

138 0.0 4.7 7.1

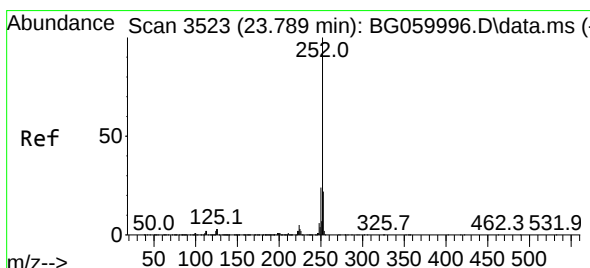
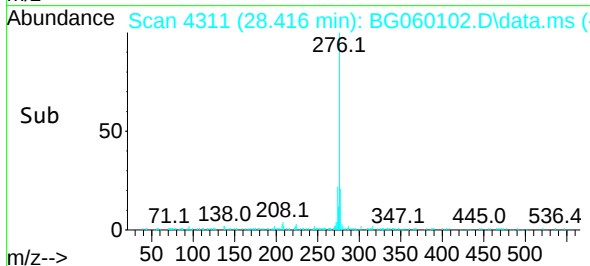
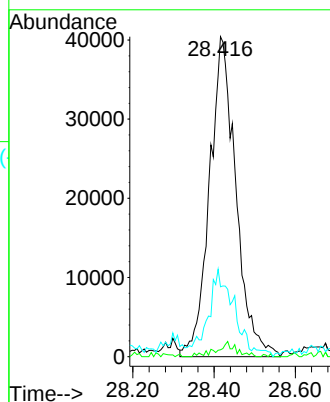
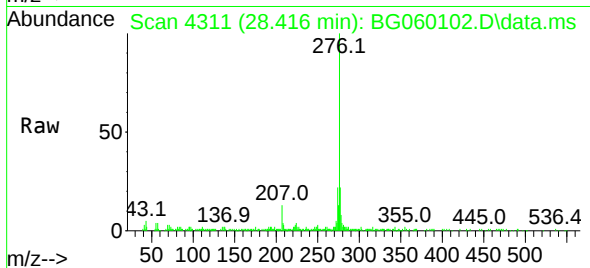
277 22.7 20.0 30.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/21/2023

Supervised By :mohammad ahmed 12/21/2023



#88

Benzo(b)fluoranthene

Concen: 8.254 ng

RT: 23.786 min Scan# 3523

Delta R.T. -0.013 min

Lab File: BG060102.D

Acq: 20 Dec 2023 13:27

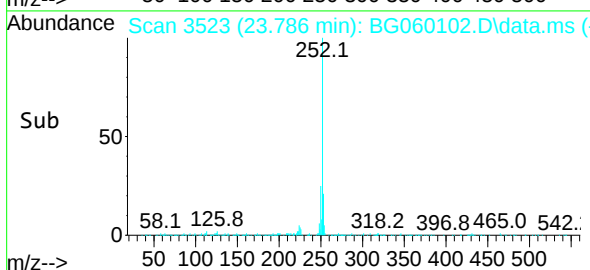
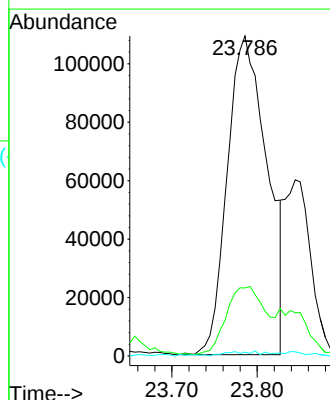
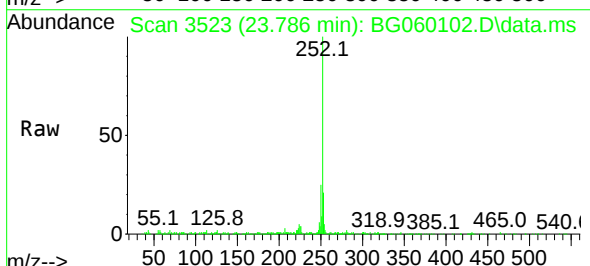
Tgt Ion:252 Resp: 354974

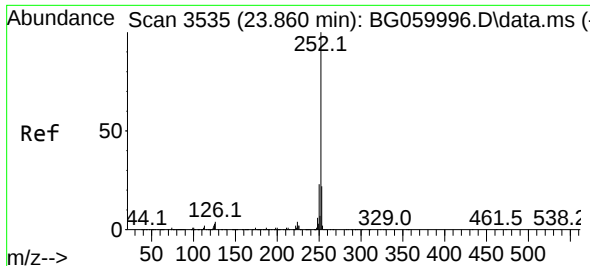
Ion Ratio Lower Upper

252 100

253 21.3 17.4 26.2

125 1.2 2.6 4.0





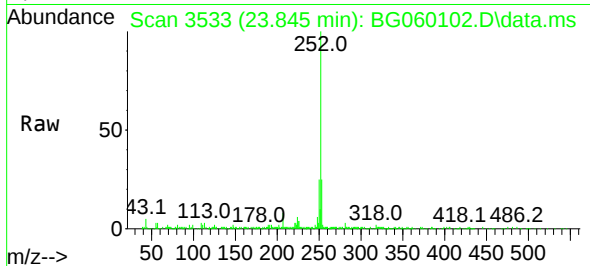
#89
Benzo(k)fluoranthene
Concen: 3.006 ng m
RT: 23.845 min Scan# 31
Delta R.T. -0.025 min
Lab File: BG060102.D
Acq: 20 Dec 2023 13:27

Instrument :

BNL_G

ClientSampleId :

EAST-WALL

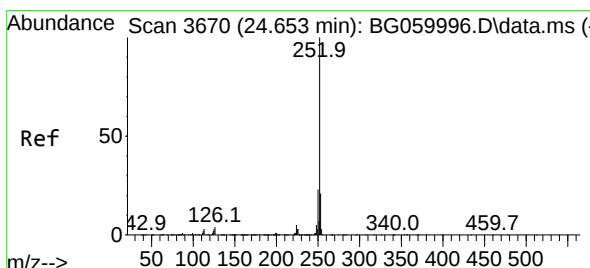
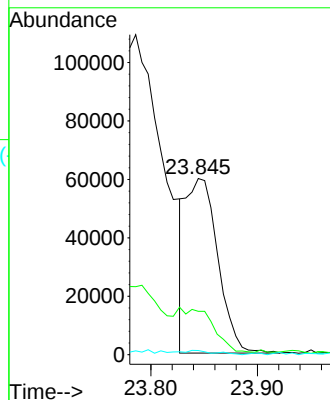
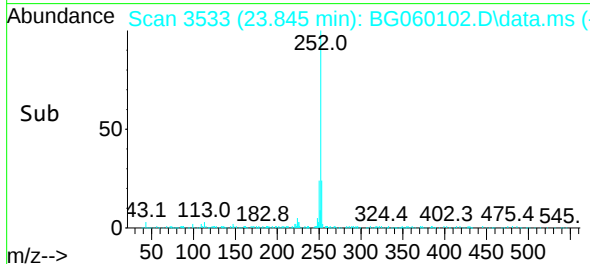


Tgt Ion:252 Resp: 125385
Ion Ratio Lower Upper
252 100
253 24.6 17.8 26.6
125 2.4 2.5 3.7

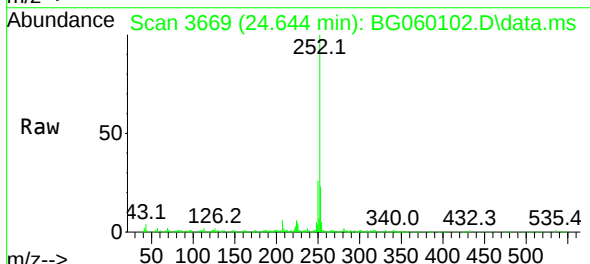
Manual Integrations

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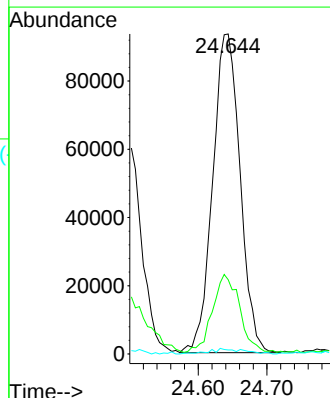
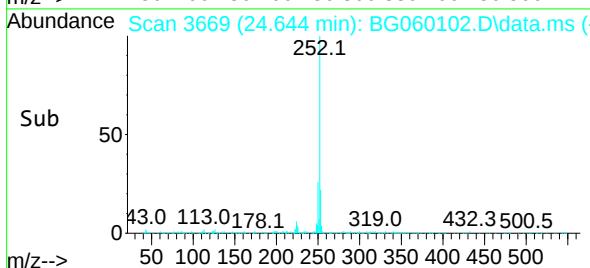
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023

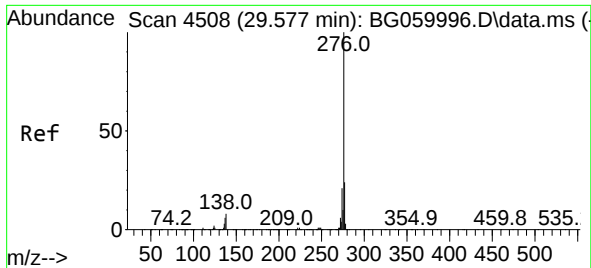


#90
Benzo(a)pyrene
Concen: 6.798 ng m
RT: 24.644 min Scan# 3669
Delta R.T. -0.019 min
Lab File: BG060102.D
Acq: 20 Dec 2023 13:27



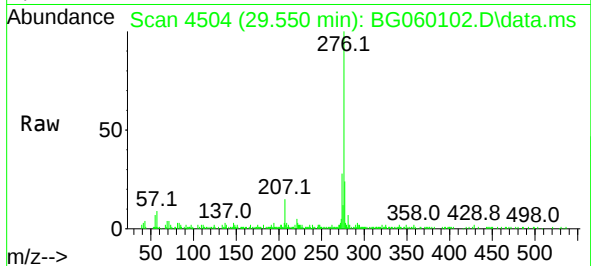
Tgt Ion:252 Resp: 259013
Ion Ratio Lower Upper
252 100
253 23.2 17.1 25.7
125 1.3 2.6 4.0#





#92
 Benzo(g,h,i)perylene
 Concen: 3.809 ng
 RT: 29.550 min Scan# 4504
 Delta R.T. -0.048 min
 Lab File: BG060102.D
 Acq: 20 Dec 2023 13:27

Instrument :
 BNA_G
 ClientSampleId :
 EAST-WALL



Tgt Ion:276 Resp: 157450
 Ion Ratio Lower Upper
 276 100
 277 23.6 19.4 29.2
 138 3.0 6.0 9.0

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/21/2023
 Supervised By :mohammad ahmed 12/21/2023

