

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072423\
 Data File : BG058437.D
 Acq On : 25 Jul 2023 00:19
 Operator : CG/JU
 Sample : 03504-11DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A46W9DL

Quant Time: Jul 25 02:27:30 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 24 22:10:54 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/25/2023
 Supervised By :mohammad ahmed 07/25/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.818	152	33650	20.000	ng/u1	0.00
20) Naphthalene-d8	10.621	136	143328	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.463	164	121757	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.207	188	315738	20.000	ng/u1	0.00
79) Chrysene-d12	21.449	240	283435	20.000	ng/u1	0.00
88) Perylene-d12	24.516	264	350149	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.235	96	243	0.266	ng/uL	0.00
4) Pyridine-d5	3.646	84	6069	2.236	ng/u1	0.00
7) Phenol-d5	6.984	99	2576	0.807	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.148	67	2380	1.193	ng/u1	0.00
11) 2-Chlorophenol-d4	7.354	132	2242	1.003	ng/u1	0.00
15) 4-Methylphenol-d8	0.000	113	0d	0.000	ng/u1	
21) Nitrobenzene-d5	8.987	128	697	0.649	ng/u1	0.01
24) 2-Nitrophenol-d4	9.710	143	834m	0.711	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.274	165	1366m	0.608	ng/u1	0.03
31) 4-Chloroaniline-d4	0.000	131	0	0.000	ng/u1	
46) Dimethylphthalate-d6	13.870	166	11864	1.264	ng/u1	0.00
49) Acenaphthylene-d8	14.158	160	11746	1.194	ng/u1	0.00
54) 4-Nitrophenol-d4	0.000	143	0	0.000	ng/u1	
60) Fluorene-d10	15.456	176	10490	1.349	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0	0.000	ng/u1	
73) Anthracene-d10	17.307	188	19232	1.410	ng/u1	0.00
81) Pyrene-d10	19.598	212	20401	1.219	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.299	264	16352	0.966	ng/u1	-0.01
Target Compounds					Qvalue	
30) Naphthalene	10.668	128	21267	2.776	ng/u1	98
36) 2-Methylnaphthalene	12.289	142	8779m	1.710	ng/u1	
37) 1-Methylnaphthalene	12.501	142	7017	1.334	ng/u1#	100
52) Acenaphthene	14.528	153	41810	5.670	ng/u1	98
56) Dibenzofuran	14.863	168	39982	3.808	ng/u1	93
61) Fluorene	15.509	166	51935	6.032	ng/u1	96
72) Phenanthrene	17.248	178	505889	33.715	ng/u1	97
74) Anthracene	17.342	178	134235	8.911	ng/u1	98
77) Carbazole	17.612	167	33747	2.584	ng/u1	98
80) Fluoranthene	19.263	202	461090	24.043	ng/u1	100
82) Pyrene	19.628	202	293180	15.087	ng/u1	99
85) Benzo(a)anthracene	21.426	228	183112	9.612	ng/u1	97
87) Chrysene	21.490	228	166588	9.219	ng/u1	94
90) Benzo(b)fluoranthene	23.541	252	175569	8.666	ng/u1#	95
91) Benzo(k)fluoranthene	23.594	252	70903m	3.509	ng/u1	
93) Benzo(a)pyrene	24.369	252	64424	3.575	ng/u1#	92
94) Indeno(1,2,3-cd)pyrene	27.994	276	55188	2.325	ng/u1#	94
95) Dibenzo(a,h)anthracene	28.036	278	24780m	1.273	ng/u1	

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

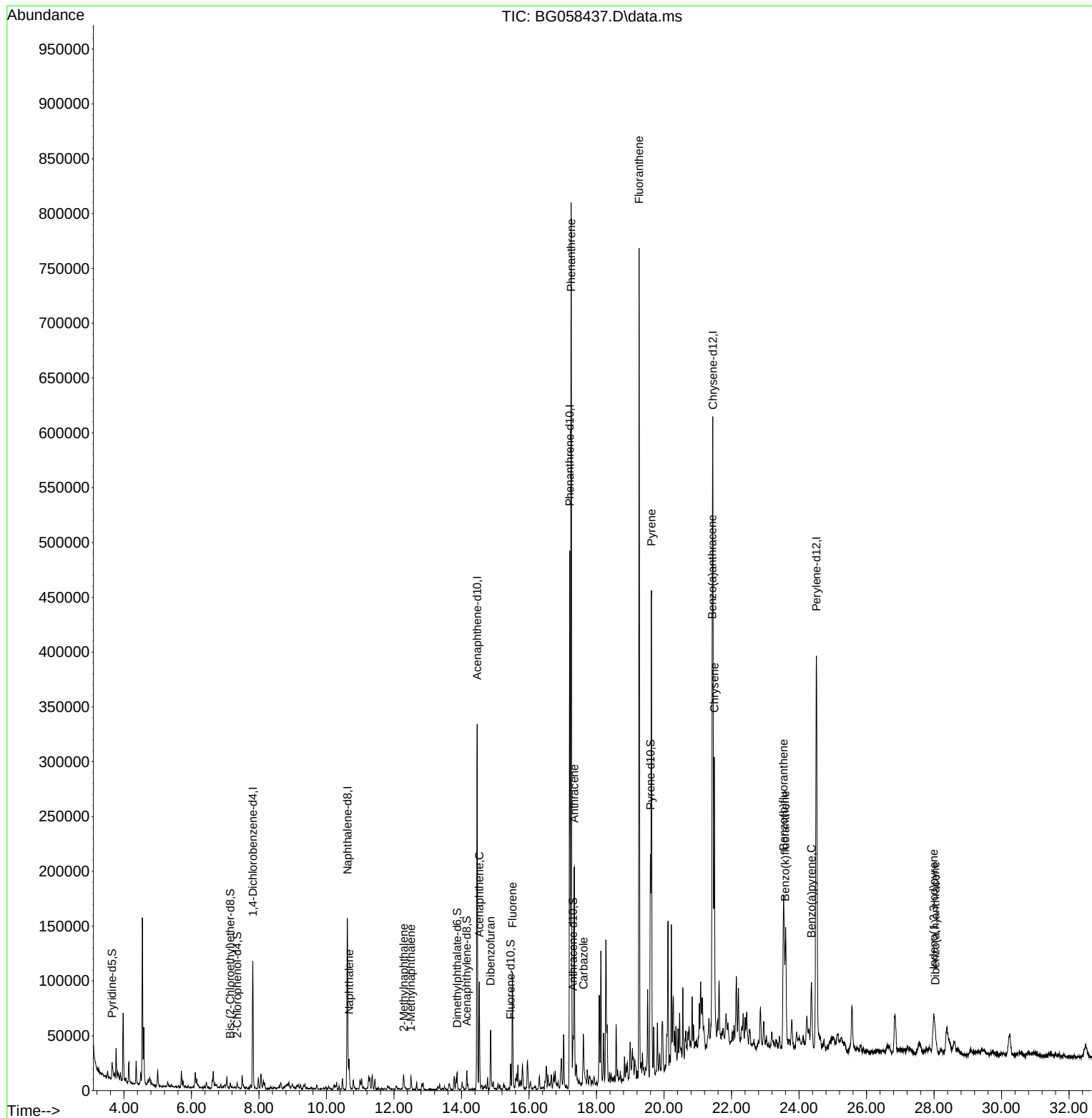
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072423\
 Data File : BG058437.D
 Acq On : 25 Jul 2023 00:19
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 Misc :
 ALS Vial : 9 Sample Multiplier: 1

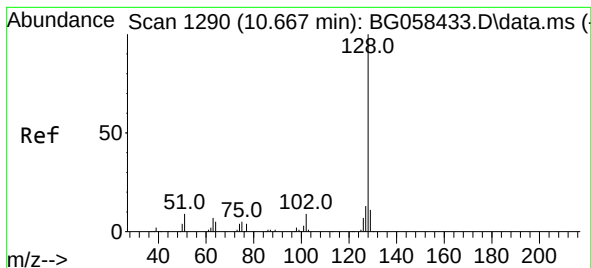
Instrument :
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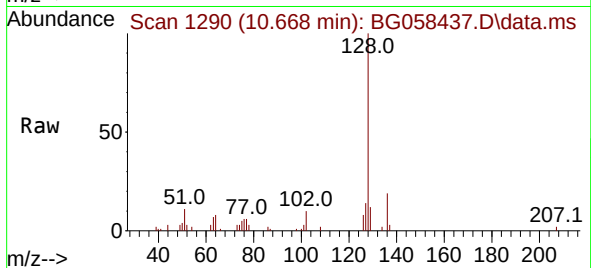
Quant Time: Jul 25 02:27:30 2023
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 Quant Title : SVOA CALIBRATION
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#30
Naphthalene
Concen: 2.776 ng/ul
RT: 10.668 min Scan# 1290
Delta R.T. 0.000 min
Lab File: BG058437.D
Acq: 25 Jul 2023 00:19

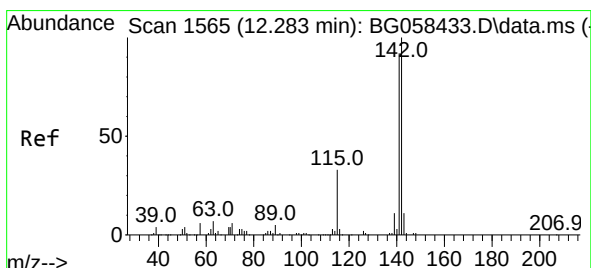
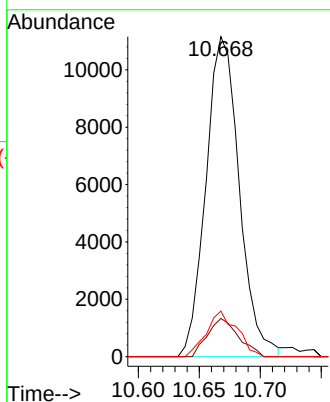
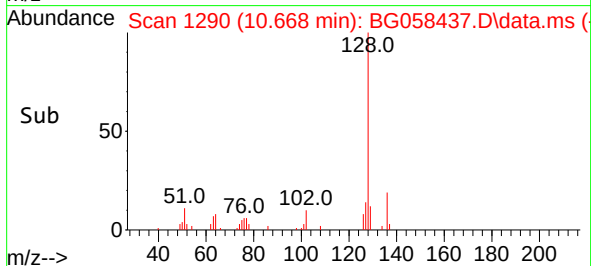
Instrument :
BNA_G
ClientSampleId :
A46W9DL



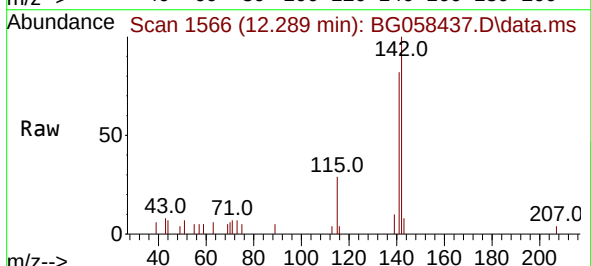
Tgt Ion:128 Resp: 2126
Ion Ratio Lower Upper
128 100
129 12.0 8.8 13.2
127 14.2 10.8 16.2

Manual Integrations
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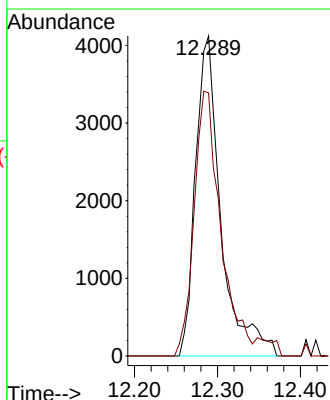
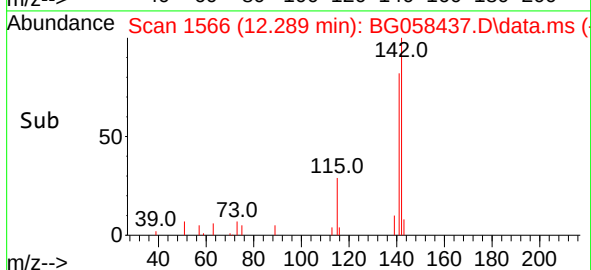
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023

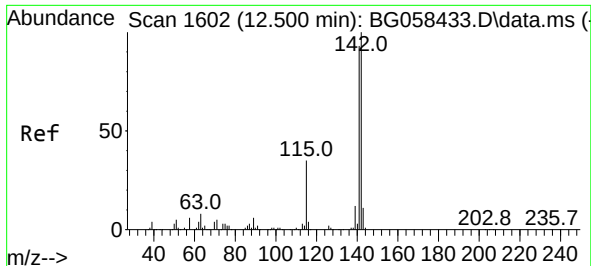


#36
2-Methylnaphthalene
Concen: 1.710 ng/ul m
RT: 12.289 min Scan# 1566
Delta R.T. 0.006 min
Lab File: BG058437.D
Acq: 25 Jul 2023 00:19



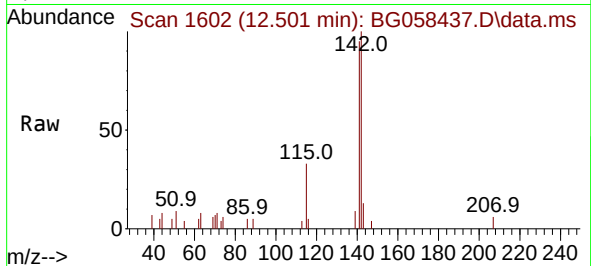
Tgt Ion:142 Resp: 8779
Ion Ratio Lower Upper
142 100
141 82.2 72.6 108.8





#37
1-Methylnaphthalene
Concen: 1.334 ng/ul
RT: 12.501 min Scan# 1602
Delta R.T. -0.006 min
Lab File: BG058437.D
Acq: 25 Jul 2023 00:19

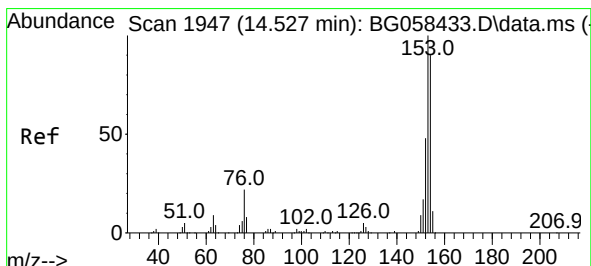
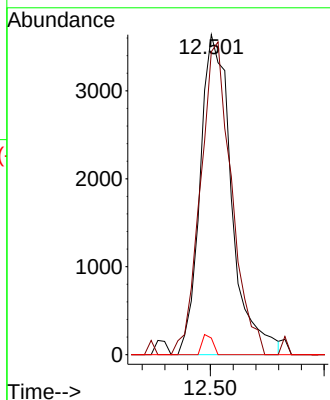
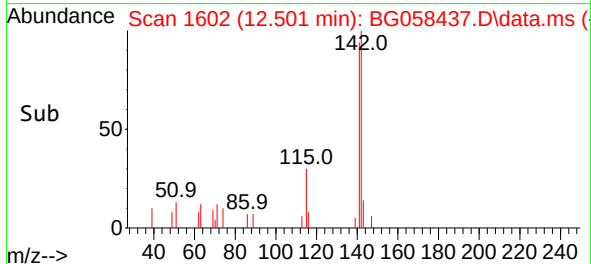
Instrument :
BNA_G
ClientSampleId :
A46W9DL



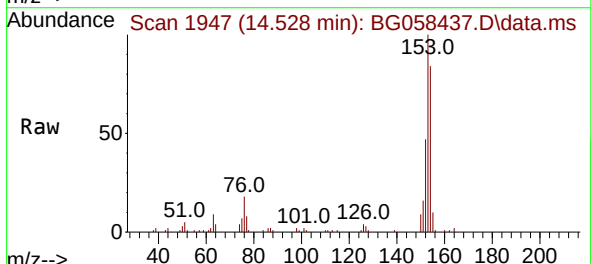
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Ion Ratio Lower Upper
142 100
141 94.7 75.8 113.6
116 5.2 3.2 4.8

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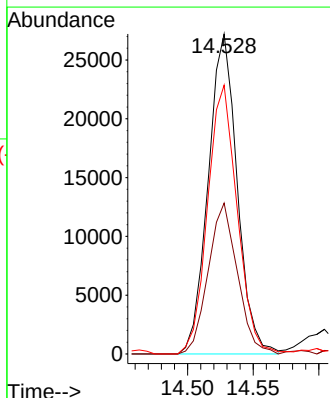
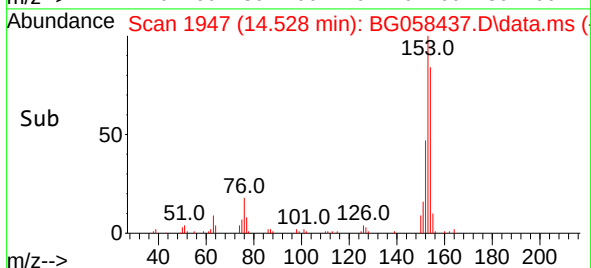
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023

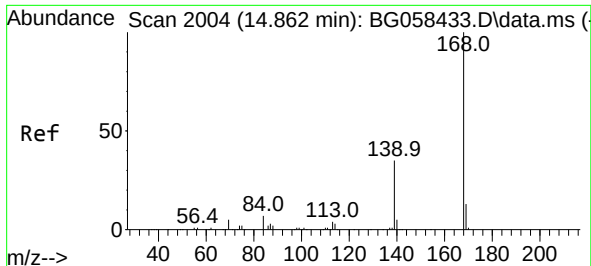


#52
Acenaphthene
Concen: 5.670 ng/ul
RT: 14.528 min Scan# 1947
Delta R.T. 0.000 min
Lab File: BG058437.D
Acq: 25 Jul 2023 00:19



Tgt Ion:153 Resp: 41810
Ion Ratio Lower Upper
153 100
152 47.2 39.1 58.7
154 84.0 68.7 103.1





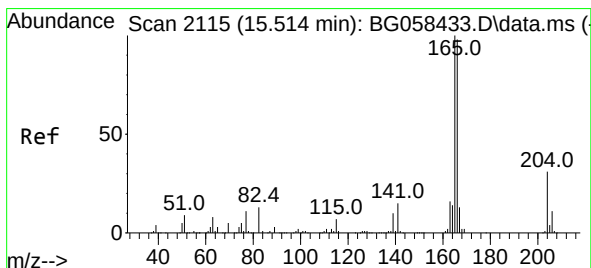
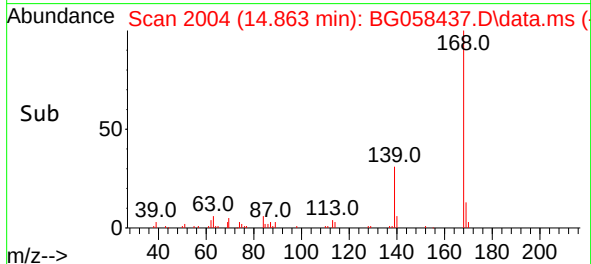
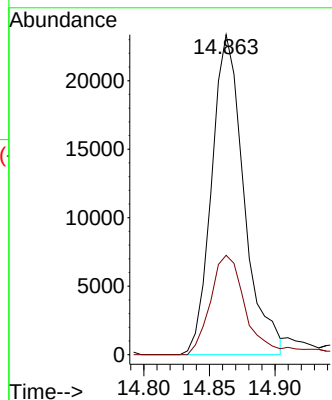
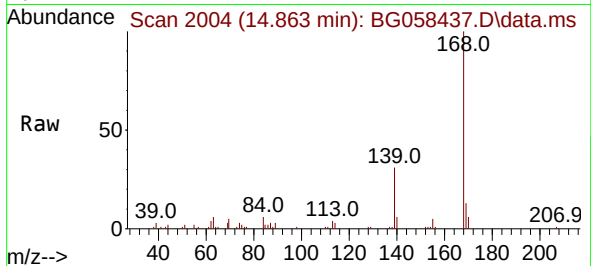
#56
Dibenzenofuran
Concen: 3.808 ng/ul
RT: 14.863 min Scan# 2004
Delta R.T. 0.000 min
Lab File: BG058437.D
Acq: 25 Jul 2023 00:19

Instrument :
BNA_G
ClientSampleId :
A46W9DL

Tgt Ion:168 Resp: 3998
Ion Ratio Lower Upper
168 100
139 31.0 27.8 41.8

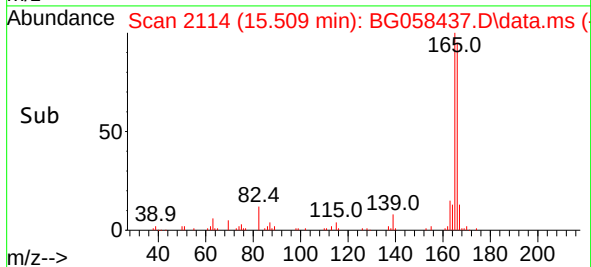
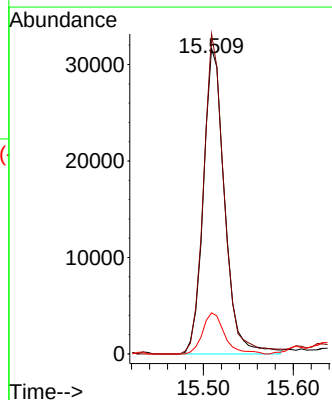
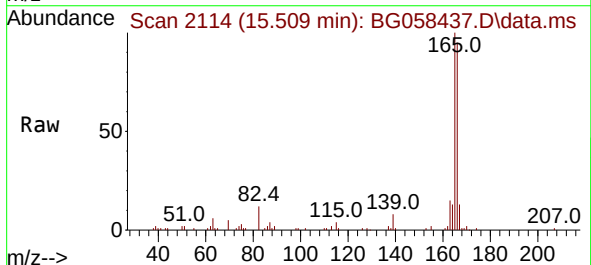
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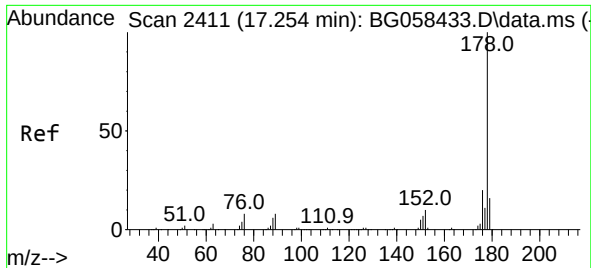
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023



#61
Fluorene
Concen: 6.032 ng/ul
RT: 15.509 min Scan# 2114
Delta R.T. -0.006 min
Lab File: BG058437.D
Acq: 25 Jul 2023 00:19

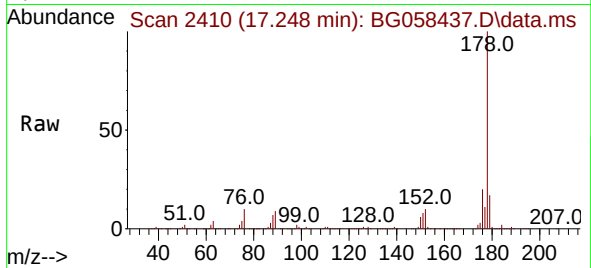
Tgt Ion:166 Resp: 51935
Ion Ratio Lower Upper
166 100
165 104.7 80.2 120.2
167 13.5 10.5 15.7





#72
Phenanthrene
Concen: 33.715 ng/ul
RT: 17.248 min Scan# 2411
Delta R.T. -0.006 min
Lab File: BG058437.D
Acq: 25 Jul 2023 00:19

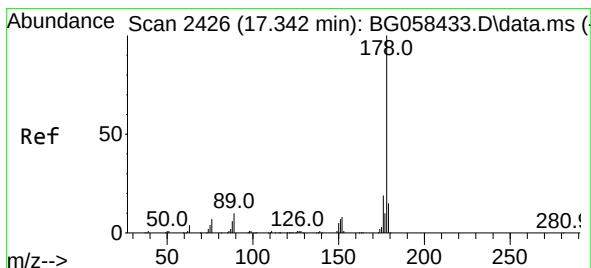
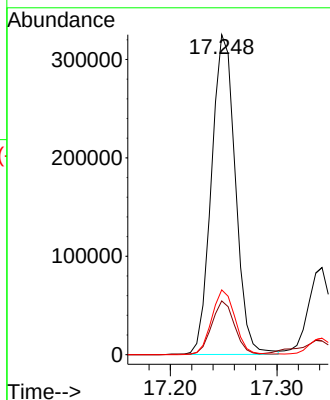
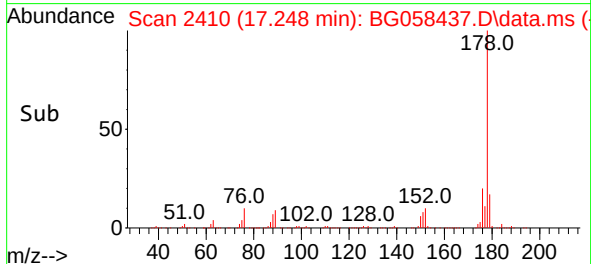
Instrument :
BNA_G
ClientSampleId :
A46W9DL



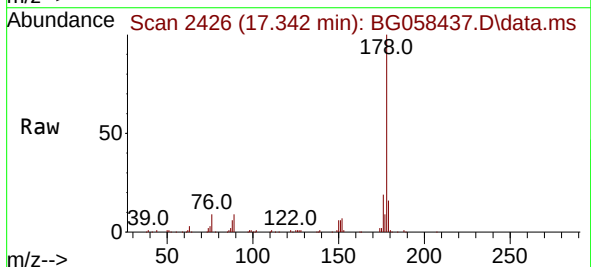
Tgt Ion:178 Resp: 505889
Ion Ratio Lower Upper
178 100
179 16.8 11.9 17.9
176 20.2 15.8 23.8

Manual Integrations
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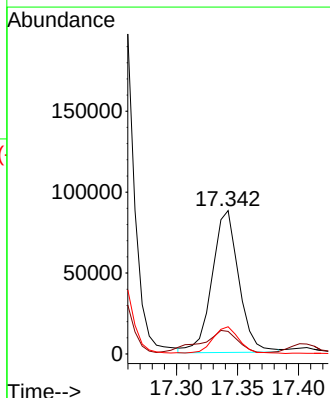
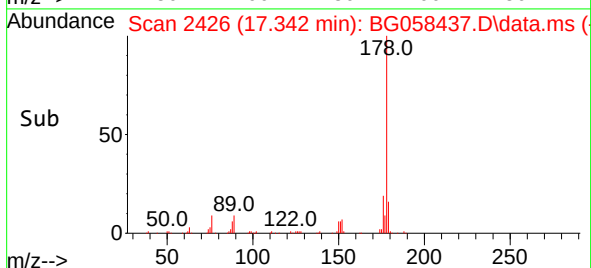
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023

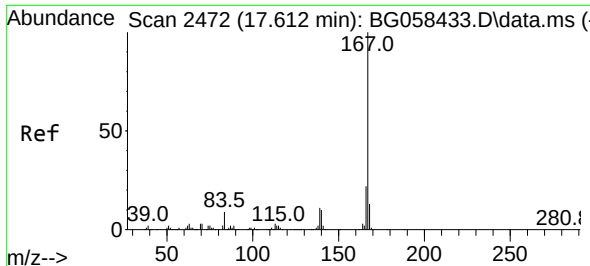


#74
Anthracene
Concen: 8.911 ng/ul
RT: 17.342 min Scan# 2426
Delta R.T. 0.000 min
Lab File: BG058437.D
Acq: 25 Jul 2023 00:19



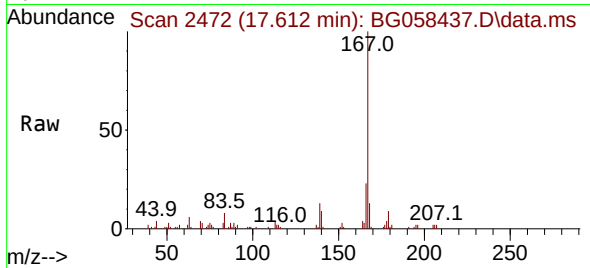
Tgt Ion:178 Resp: 134235
Ion Ratio Lower Upper
178 100
179 15.8 13.4 20.2
176 19.0 16.2 24.2





#77
 Carbazole
 Concen: 2.584 ng/ul
 RT: 17.612 min Scan# 2472
 Delta R.T. -0.006 min
 Lab File: BG058437.D
 Acq: 25 Jul 2023 00:19

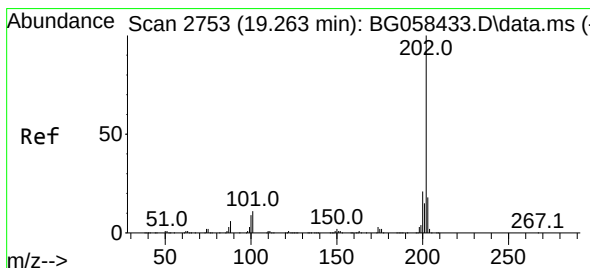
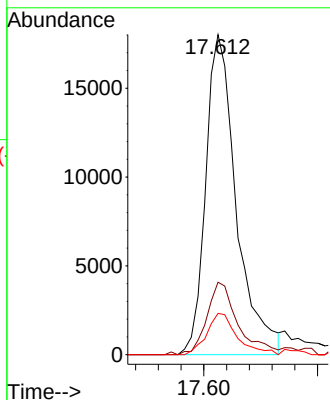
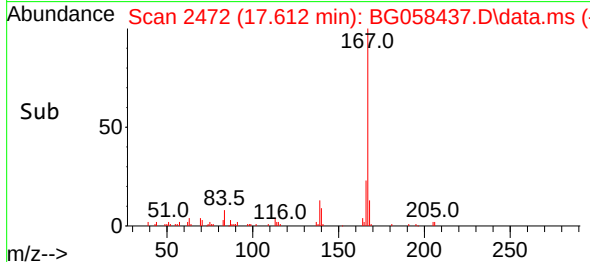
Instrument :
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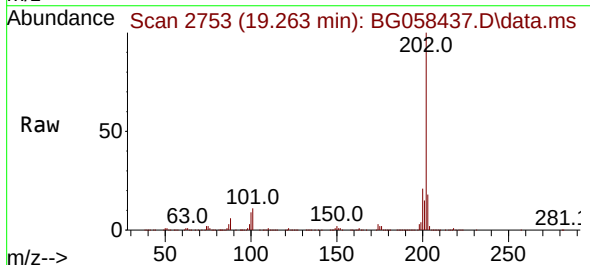
Tgt Ion:167 Resp: 3374
 Ion Ratio Lower Upper
 167 100
 166 22.6 17.8 26.8
 139 12.9 9.4 14.0

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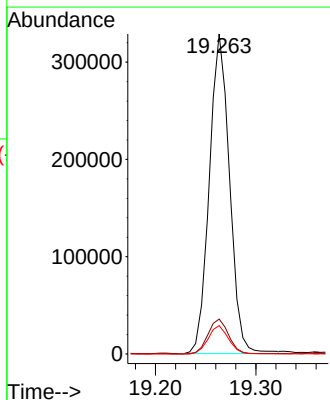
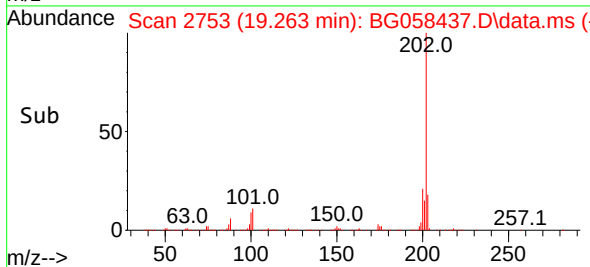
Reviewed By :Yogesh Patel 07/25/2023
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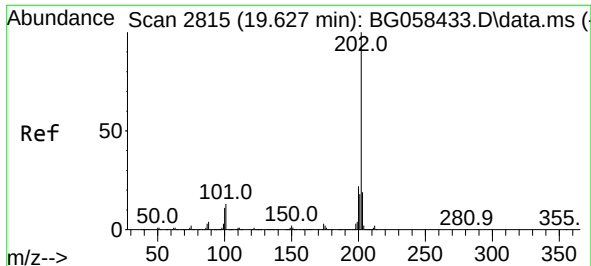


#80
 Fluoranthene
 Concen: 24.043 ng/ul
 RT: 19.263 min Scan# 2753
 Delta R.T. -0.006 min
 Lab File: BG058437.D
 Acq: 25 Jul 2023 00:19



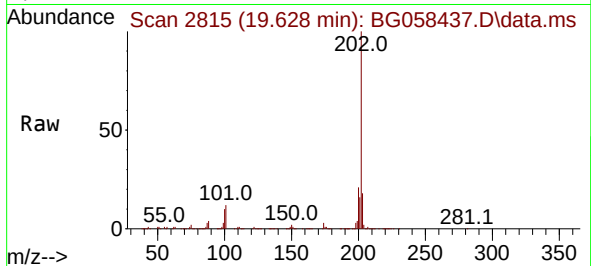
Tgt Ion:202 Resp: 461090
 Ion Ratio Lower Upper
 202 100
 101 10.9 8.6 12.8
 100 8.9 7.2 10.8





#82
 Pyrene
 Concen: 15.087 ng/ul
 RT: 19.628 min Scan# 2815
 Delta R.T. 0.000 min
 Lab File: BG058437.D
 Acq: 25 Jul 2023 00:19

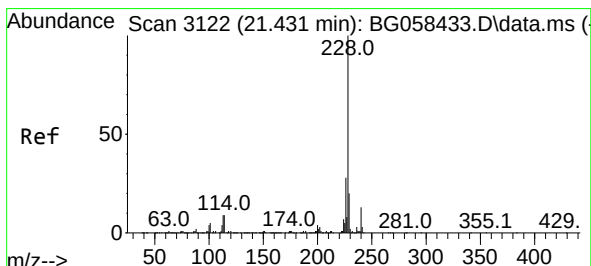
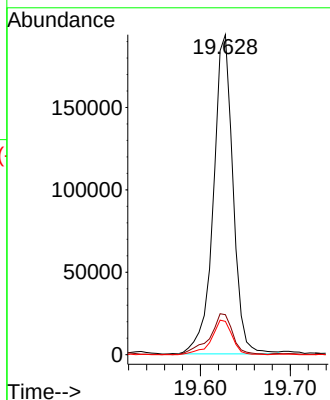
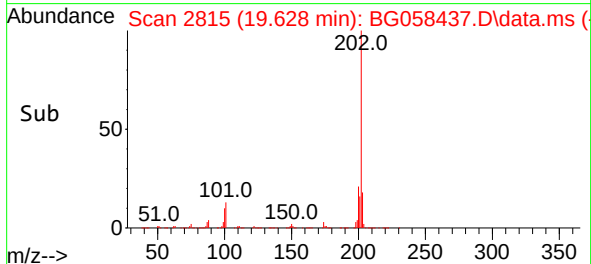
Instrument :
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 ClientSampleId :
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Tgt Ion:202 Resp: 293180
 Ion Ratio Lower Upper
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 101 12.5 10.2 15.2
 100 10.4 8.9 13.3

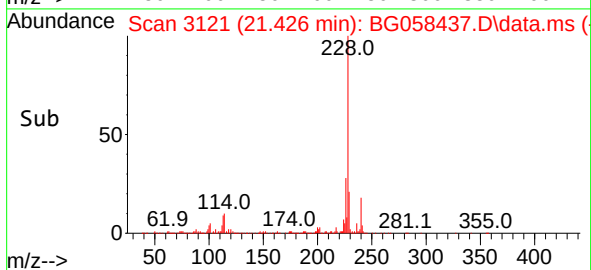
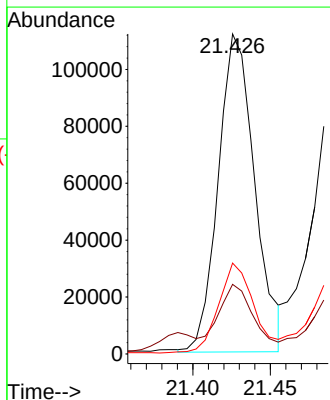
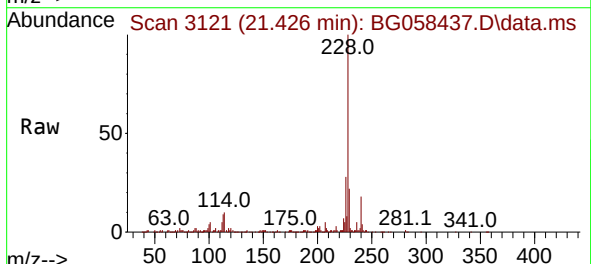
Manual Integrations
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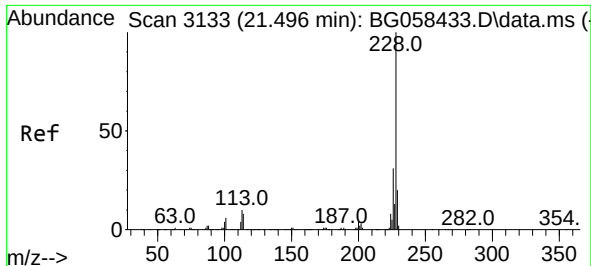
Reviewed By :Yogesh Patel 07/25/2023
 Supervised By :mohammad ahmed 07/25/2023



#85
 Benzo(a)anthracene
 Concen: 9.612 ng/ul
 RT: 21.426 min Scan# 3121
 Delta R.T. -0.006 min
 Lab File: BG058437.D
 Acq: 25 Jul 2023 00:19

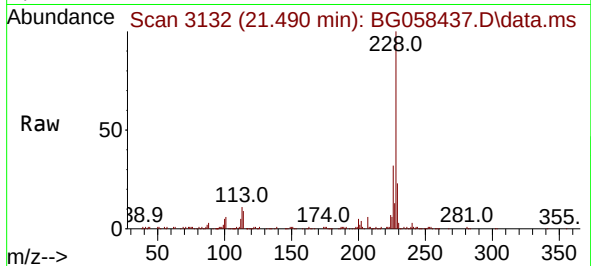
Tgt Ion:228 Resp: 183112
 Ion Ratio Lower Upper
 228 100
 229 21.7 15.7 23.5
 226 28.4 21.8 32.8





#87
Chrysene
Concen: 9.219 ng/ul
RT: 21.490 min Scan# 3133
Delta R.T. -0.006 min
Lab File: BG058437.D
Acq: 25 Jul 2023 00:19

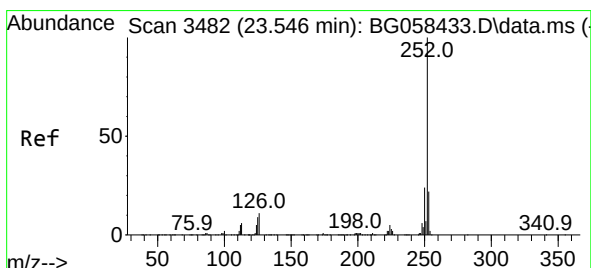
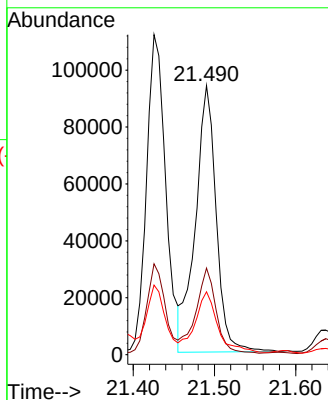
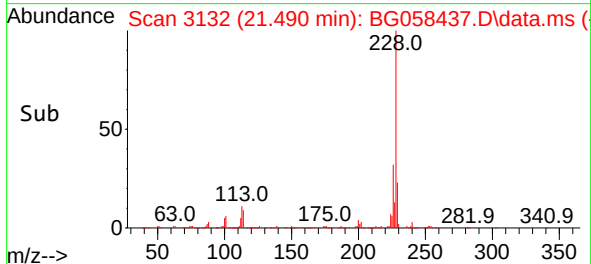
Instrument :
BNA_G
ClientSampleId :
A46W9DL



Tgt Ion:228 Resp: 166588
Ion Ratio Lower Upper
228 100
226 32.2 24.0 36.0
229 23.4 15.8 23.8

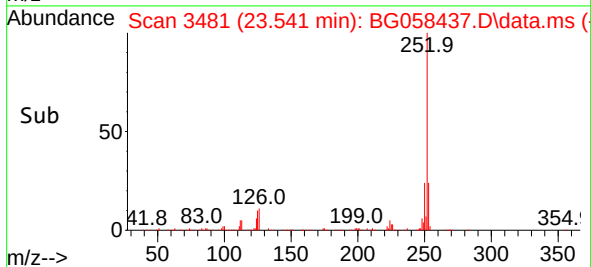
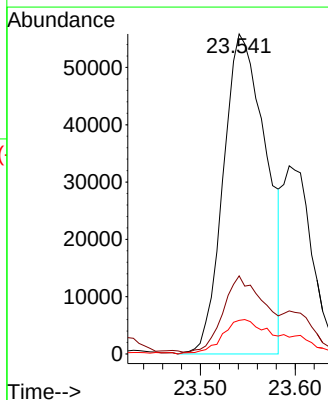
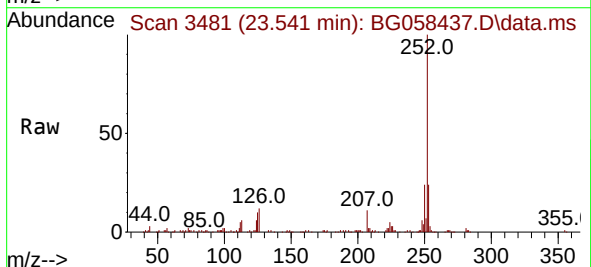
Manual Integrations
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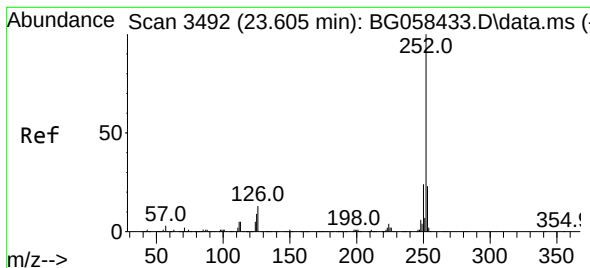
Reviewed By :Yogesh Patel 07/25/2023
Supervised By :mohammad ahmed 07/25/2023



#90
Benzo(b)fluoranthene
Concen: 8.666 ng/ul
RT: 23.541 min Scan# 3481
Delta R.T. -0.006 min
Lab File: BG058437.D
Acq: 25 Jul 2023 00:19

Tgt Ion:252 Resp: 175569
Ion Ratio Lower Upper
252 100
253 24.4 17.9 26.9
125 10.5 6.7 10.1#





#91

Benzo(k)fluoranthene

Concen: 3.509 ng/ul m

RT: 23.594 min Scan# 34

Delta R.T. -0.018 min

Lab File: BG058437.D

Acq: 25 Jul 2023 00:19

Instrument :

BNA_G

ClientSampleId :

A46W9DL

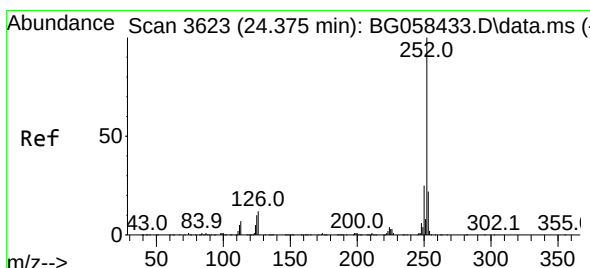
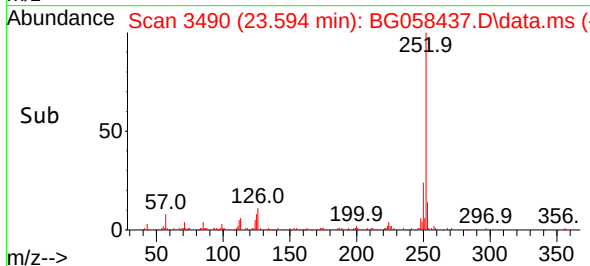
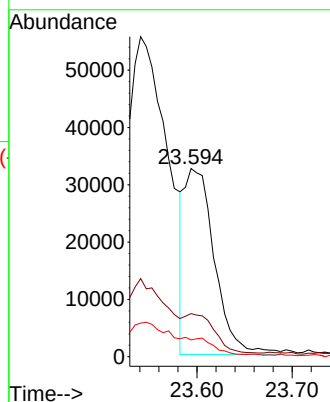
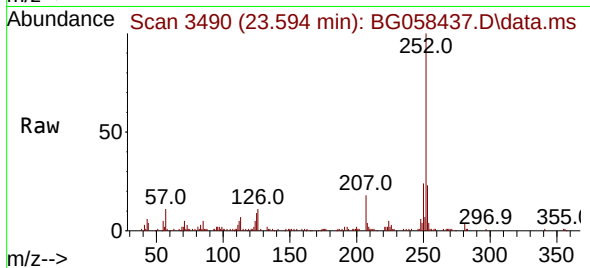
Tgt Ion:252 Resp: 7090
 Ion Ratio Lower Upper
 252 100
 253 22.9 18.3 27.5
 125 9.0 7.4 11.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/25/2023

Supervised By :mohammad ahmed 07/25/2023



#93

Benzo(a)pyrene

Concen: 3.575 ng/ul

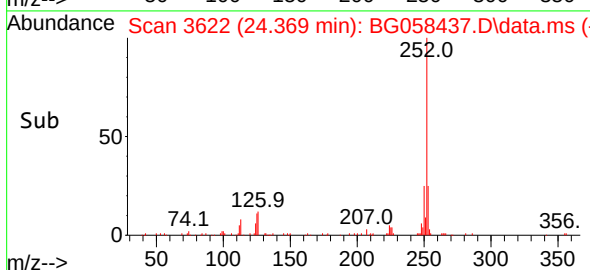
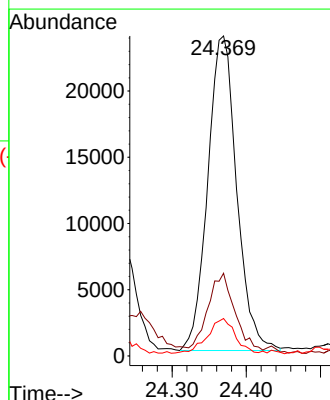
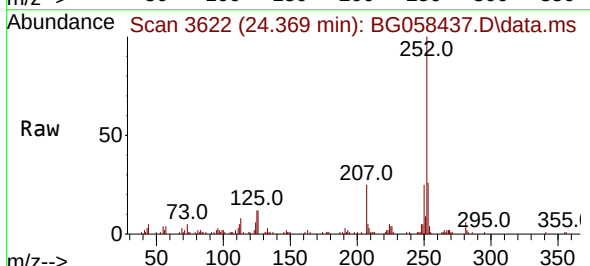
RT: 24.369 min Scan# 3622

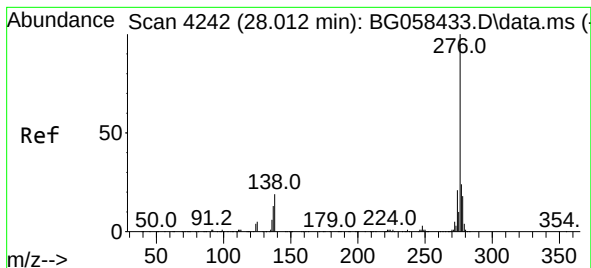
Delta R.T. -0.006 min

Lab File: BG058437.D

Acq: 25 Jul 2023 00:19

Tgt Ion:252 Resp: 64424
 Ion Ratio Lower Upper
 252 100
 253 25.8 17.4 26.0
 125 11.7 7.7 11.5#





#94

Indeno(1,2,3-cd)pyrene

Concen: 2.325 ng/ul

RT: 27.994 min Scan# 41

Delta R.T. -0.018 min

Lab File: BG058437.D

Acq: 25 Jul 2023 00:19

Instrument :

BNA_G

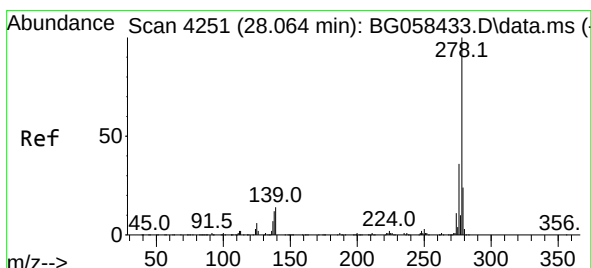
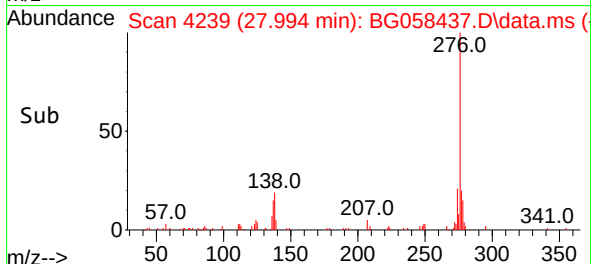
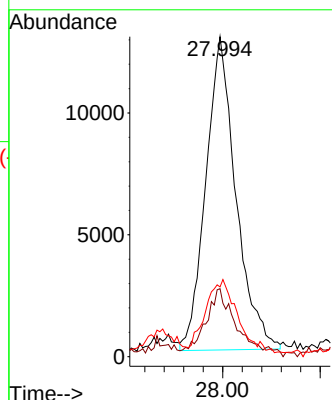
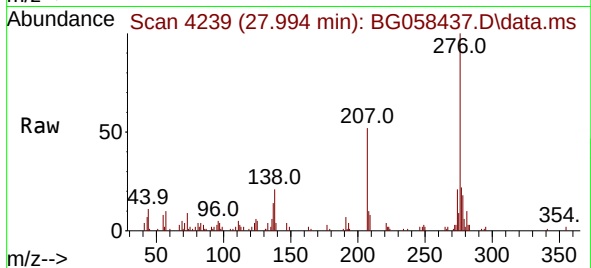
ClientSampleId :

A46W9DL

Tgt Ion:276 Resp: 5518
 Ion Ratio Lower Upper
 276 100
 138 21.3 13.8 20.6
 277 21.8 19.2 28.8

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/25/2023
 Supervised By :mohammad ahmed 07/25/2023



#95

Dibenzo(a,h)anthracene

Concen: 1.273 ng/ul m

RT: 28.036 min Scan# 4246

Delta R.T. -0.035 min

Lab File: BG058437.D

Acq: 25 Jul 2023 00:19

Tgt Ion:278 Resp: 24780
 Ion Ratio Lower Upper
 278 100
 139 15.0 10.4 15.6
 279 31.7 18.4 27.6#

