

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100523\
 Data File : BG059321.D
 Acq On : 6 Oct 2023 8:31
 Operator : MA/JU
 Sample : 04527-02DL 2X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EZYG9DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/07/2023
 Supervised By :mohammad ahmed 10/07/2023

Quant Time: Oct 06 22:32:06 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG092723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Sep 28 04:33:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.237	152	54809	20.000	ng/u1	0.00
20) Naphthalene-d8	11.075	136	233560	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.865	164	141882	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.614	188	324546	20.000	ng/u1	0.00
79) Chrysene-d12	21.915	240	302557	20.000	ng/u1	0.00
88) Perylene-d12	25.405	264	359519	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.531	96	3581	2.466	ng/uL	0.00
4) Pyridine-d5	3.966	84	23548	5.557	ng/u1	0.00
7) Phenol-d5	7.356	99	72638	13.240	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.550	67	43033	12.279	ng/u1	0.00
11) 2-Chlorophenol-d4	7.750	132	51070	13.848	ng/u1	0.00
15) 4-Methylphenol-d8	8.925	113	47435	11.185	ng/u1	0.00
21) Nitrobenzene-d5	9.430	128	26388	16.011	ng/u1	0.00
24) 2-Nitrophenol-d4	10.147	143	28331	17.510	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.676	165	49727	14.961	ng/u1	0.00
31) 4-Chloroaniline-d4	11.222	131	38220	7.107	ng/u1	0.00
46) Dimethylphthalate-d6	14.260	166	157232	15.328	ng/u1	0.00
49) Acenaphthylene-d8	14.565	160	200297	15.556	ng/u1	0.00
54) 4-Nitrophenol-d4	15.059	143	9554	5.333	ng/u1	0.00
60) Fluorene-d10	15.852	176	160588	16.448	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.963	200	5627	3.373	ng/u1	0.00
73) Anthracene-d10	17.714	188	243242	16.449	ng/u1	0.00
81) Pyrene-d10	19.988	212	287696	16.980	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.159	264	290513	16.815	ng/u1	0.00
Target Compounds						
					Qvalue	
16) Acetophenone	9.077	105	28495	4.338	ng/u1	94
30) Naphthalene	11.128	128	15203	1.214	ng/u1#	95
36) 2-Methylnaphthalene	12.714	142	8485	1.034	ng/u1	98
52) Acenaphthene	14.929	153	17929	1.901	ng/u1#	77
56) Dibenzofuran	15.264	168	14657	1.172	ng/u1	95
72) Phenanthrene	17.656	178	356925	20.040	ng/u1	99
74) Anthracene	17.750	178	55043	2.993	ng/u1	97
80) Fluoranthene	19.653	202	834225	39.967	ng/u1	97
82) Pyrene	20.018	202	695791	31.471	ng/u1	98
85) Benzo(a)anthracene	21.898	228	456744	21.445	ng/u1	99
87) Chrysene	21.968	228	470159	23.373	ng/u1	97
90) Benzo(b)fluoranthene	24.277	252	828237	37.613	ng/u1	98
91) Benzo(k)fluoranthene	24.342	252	249294	11.173	ng/u1	98
93) Benzo(a)pyrene	25.235	252	580074	27.769	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	29.430	276	430011	18.185	ng/u1	98
95) Dibenzo(a,h)anthracene	29.495	278	131560m	6.842	ng/u1	
96) Benzo(g,h,i)perylene	30.717	276	451118m	23.463	ng/u1	

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

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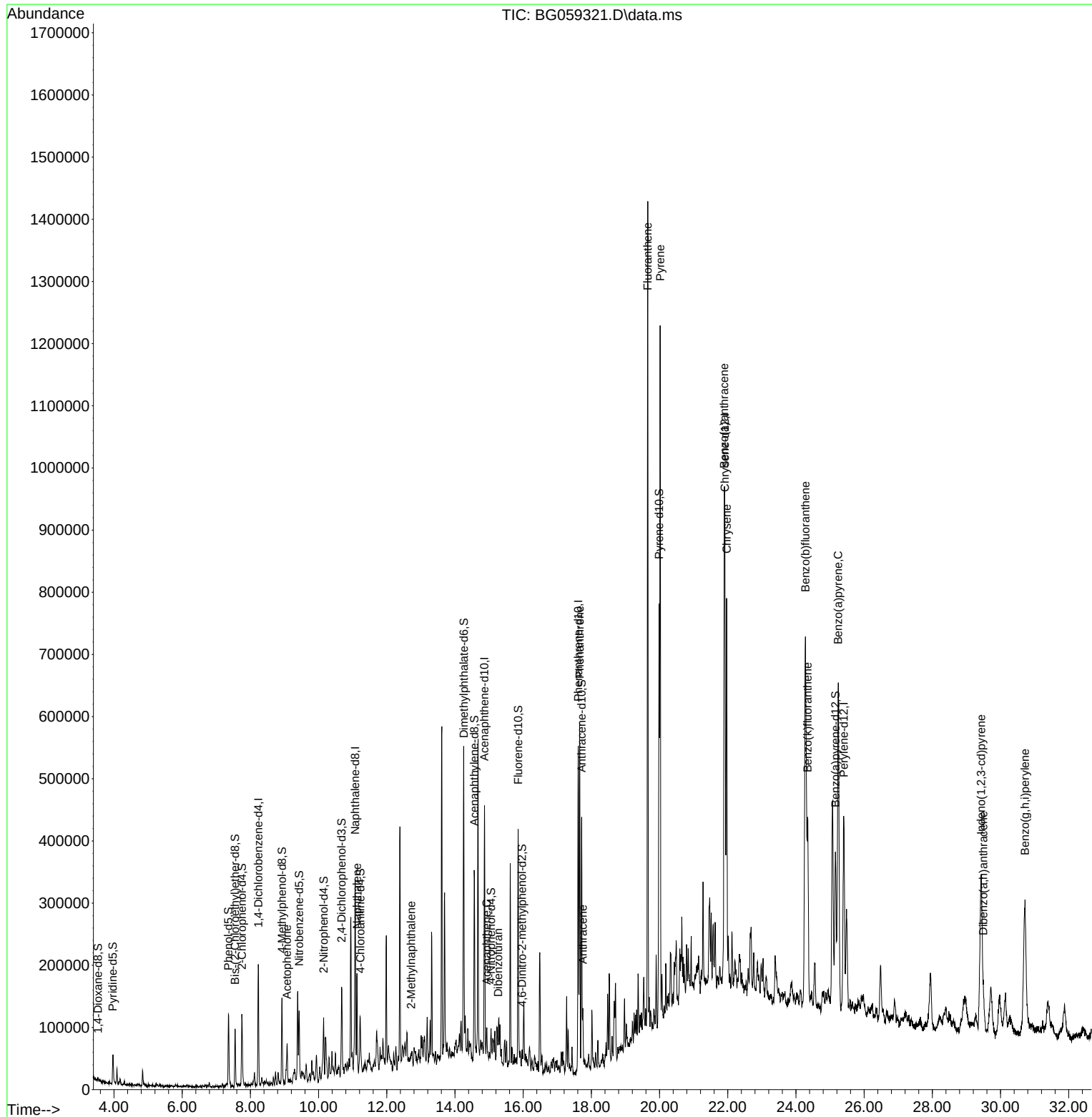
Quant Time: Oct 06 22:32:06 2023

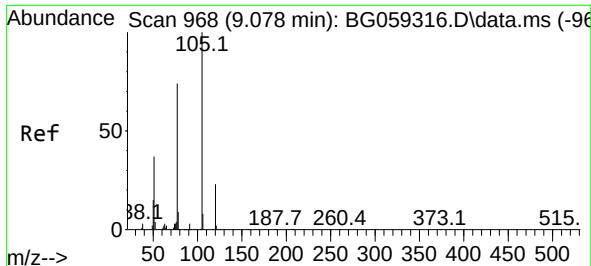
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG092723.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Thu Sep 28 04:33:25 2023

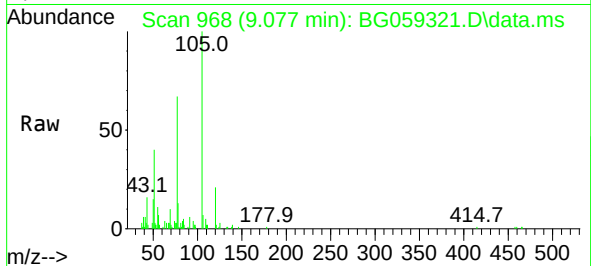
Response via : Initial Calibration





#16
Acetophenone
Concen: 4.338 ng/ul
RT: 9.077 min Scan# 907
Delta R.T. 0.000 min
Lab File: BG059321.D
Acq: 6 Oct 2023 8:31

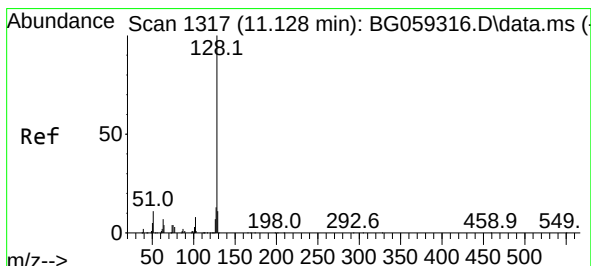
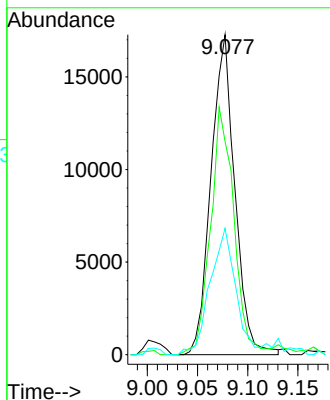
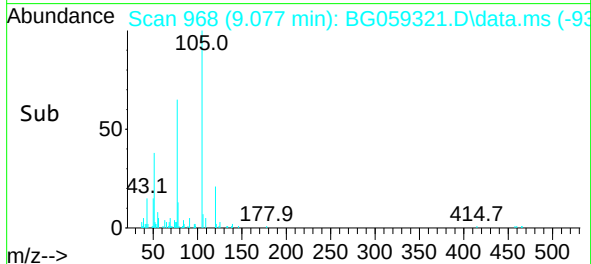
Instrument :
BNA_G
ClientSampleId :
EZYG9DL



Tgt Ion:105 Resp: 2849
Ion Ratio Lower Upper
105 100
77 66.6 58.8 88.2
51 39.5 32.6 48.8

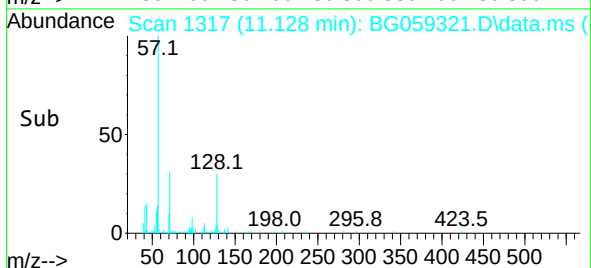
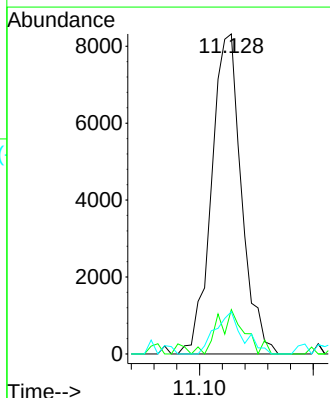
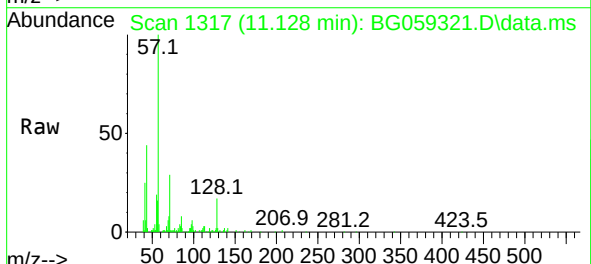
Manual Integrations
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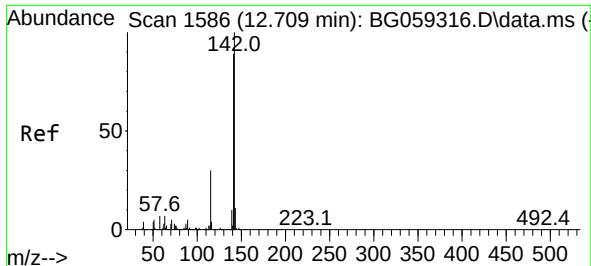
Reviewed By :Yogesh Patel 10/07/2023
Supervised By :mohammad ahmed 10/07/2023



#30
Naphthalene
Concen: 1.214 ng/ul
RT: 11.128 min Scan# 1317
Delta R.T. 0.000 min
Lab File: BG059321.D
Acq: 6 Oct 2023 8:31

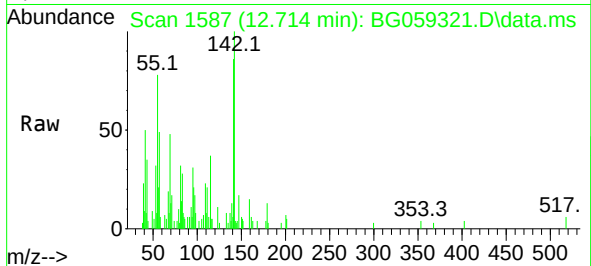
Tgt Ion:128 Resp: 15203
Ion Ratio Lower Upper
128 100
129 13.8 8.0 12.0#
127 13.2 11.1 16.7





#36
2-Methylnaphthalene
Concen: 1.034 ng/ul
RT: 12.714 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG059321.D
Acq: 6 Oct 2023 8:31

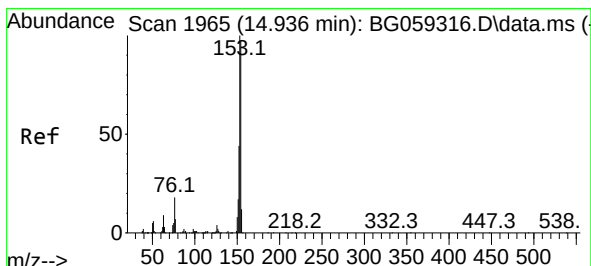
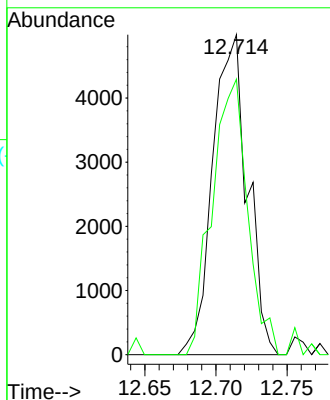
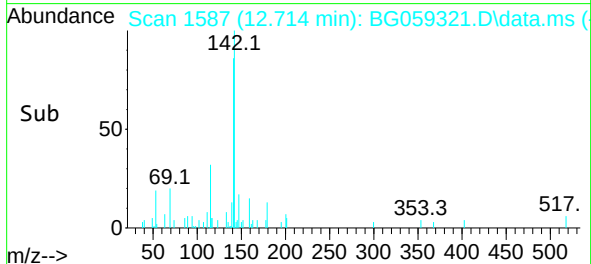
Instrument :
BNA_G
ClientSampleId :
EZYG9DL



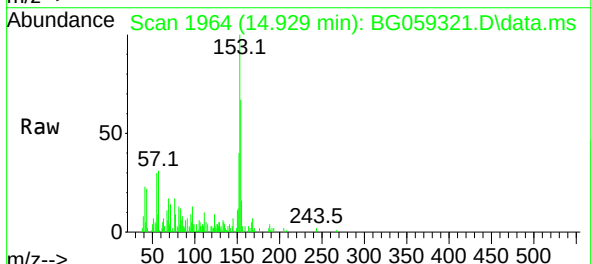
Tgt Ion:142 Resp: 848
Ion Ratio Lower Upper
142 100
141 86.1 70.2 105.2

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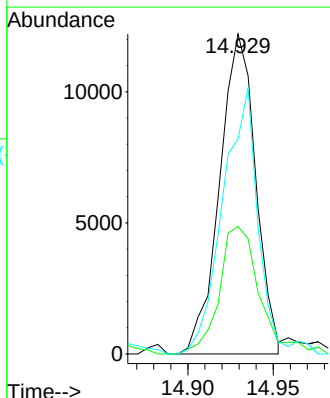
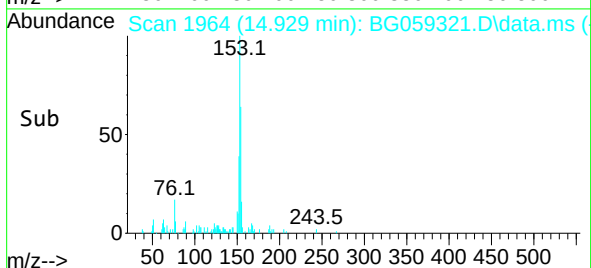
Reviewed By :Yogesh Patel 10/07/2023
Supervised By :mohammad ahmed 10/07/2023

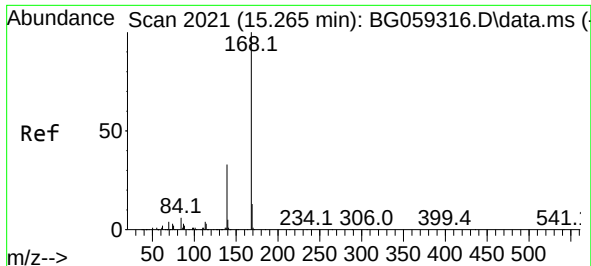


#52
Acenaphthene
Concen: 1.901 ng/ul
RT: 14.929 min Scan# 1964
Delta R.T. -0.006 min
Lab File: BG059321.D
Acq: 6 Oct 2023 8:31



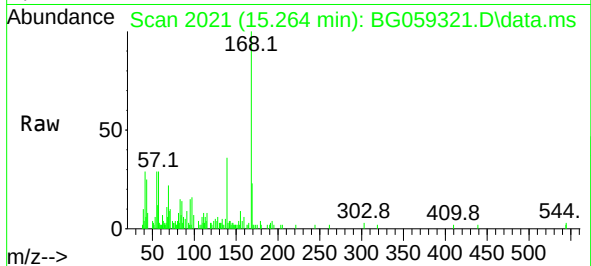
Tgt Ion:153 Resp: 17929
Ion Ratio Lower Upper
153 100
152 39.9 38.5 57.7
154 67.2 76.3 114.5#





#56
Dibenzenofuran
Concen: 1.172 ng/ul
RT: 15.264 min Scan# 20
Delta R.T. 0.000 min
Lab File: BG059321.D
Acq: 6 Oct 2023 8:31

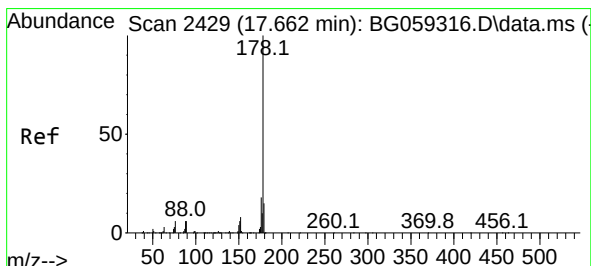
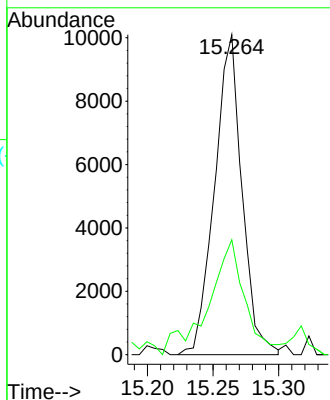
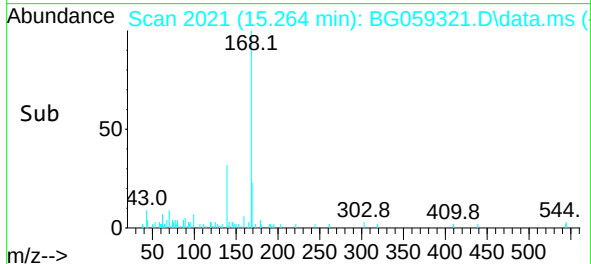
Instrument :
BNA_G
ClientSampleId :
EZYG9DL



Tgt Ion:168 Resp: 1465
Ion Ratio Lower Upper
168 100
139 35.9 26.6 39.8

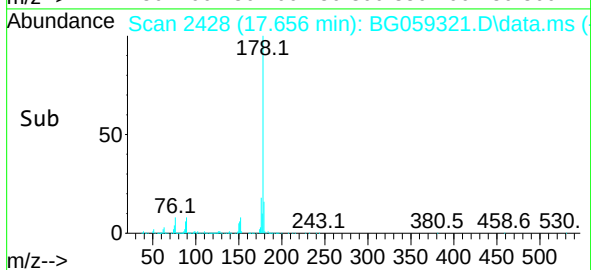
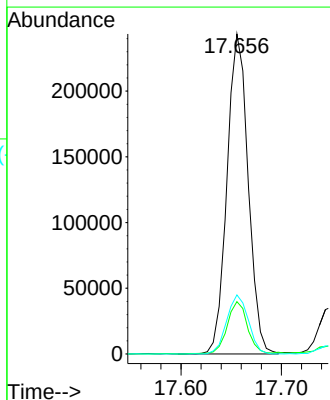
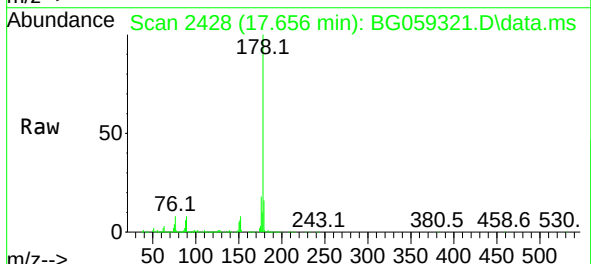
Manual Integrations
APPROVED

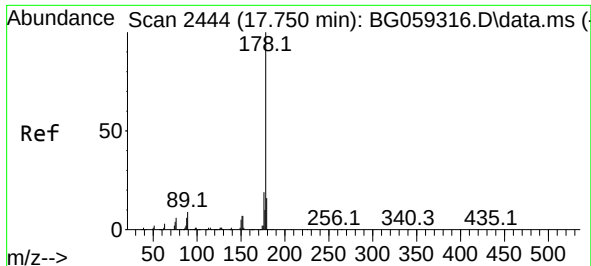
Reviewed By :Yogesh Patel 10/07/2023
Supervised By :mohammad ahmed 10/07/2023



#72
Phenanthrene
Concen: 20.040 ng/ul
RT: 17.656 min Scan# 2428
Delta R.T. -0.006 min
Lab File: BG059321.D
Acq: 6 Oct 2023 8:31

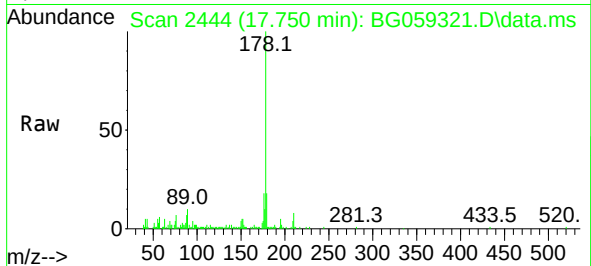
Tgt Ion:178 Resp: 356925
Ion Ratio Lower Upper
178 100
179 16.3 12.3 18.5
176 18.5 14.6 21.8





#74
 Anthracene
 Concen: 2.993 ng/u1
 RT: 17.750 min Scan# 2444
 Delta R.T. -0.006 min
 Lab File: BG059321.D
 Acq: 6 Oct 2023 8:31

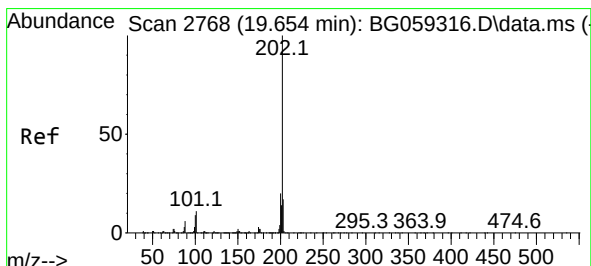
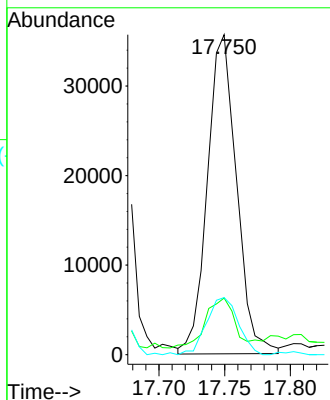
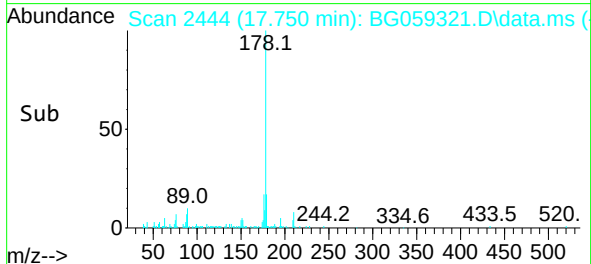
Instrument :
 BNA_G
 ClientSampleId :
 EYZG9DL



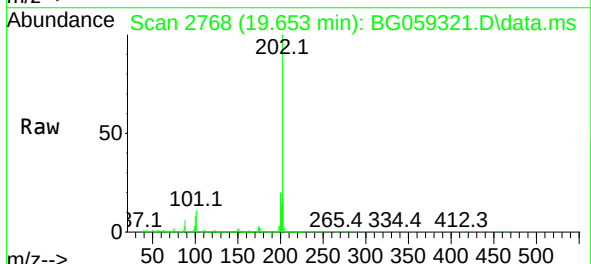
Tgt Ion:178 Resp: 5504
 Ion Ratio Lower Upper
 178 100
 179 17.7 12.0 18.0
 176 17.8 14.5 21.7

Manual Integrations
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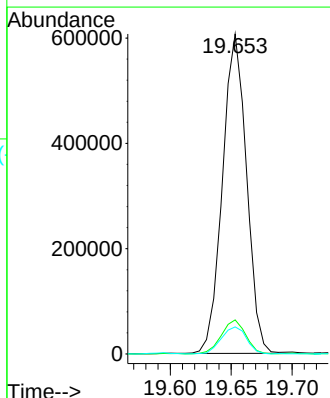
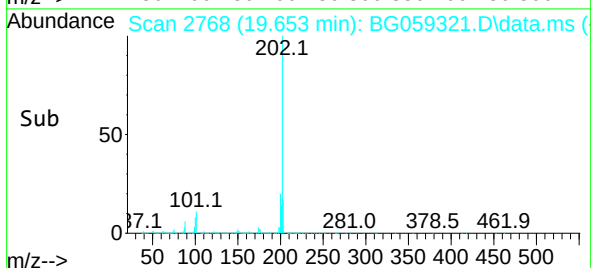
Reviewed By :Yogesh Patel 10/07/2023
 Supervised By :mohammad ahmed 10/07/2023

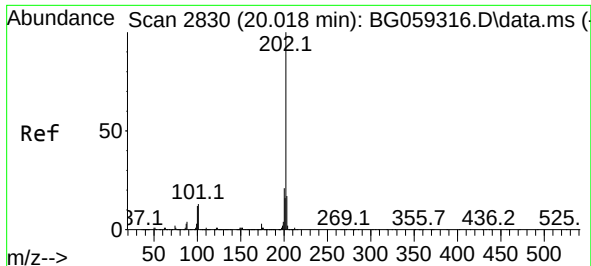


#80
 Fluoranthene
 Concen: 39.967 ng/u1
 RT: 19.653 min Scan# 2768
 Delta R.T. -0.006 min
 Lab File: BG059321.D
 Acq: 6 Oct 2023 8:31



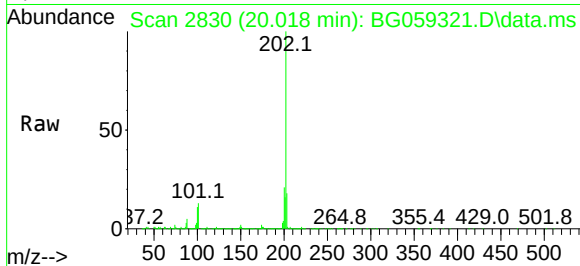
Tgt Ion:202 Resp: 834225
 Ion Ratio Lower Upper
 202 100
 101 10.7 8.2 12.4
 100 8.4 8.2 12.2





#82
Pyrene
Concen: 31.471 ng/ul
RT: 20.018 min Scan# 2830
Delta R.T. -0.006 min
Lab File: BG059321.D
Acq: 6 Oct 2023 8:31

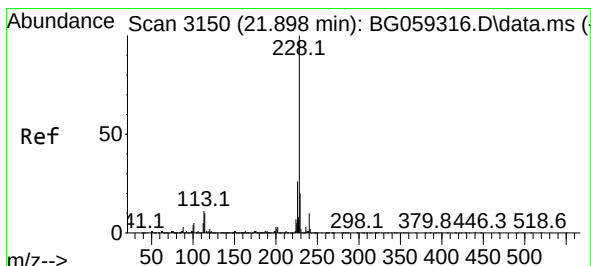
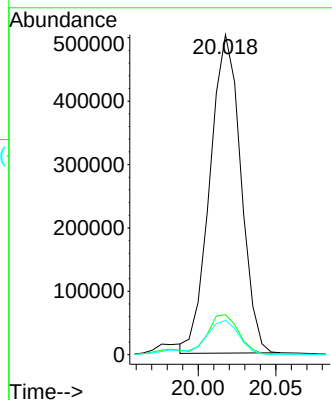
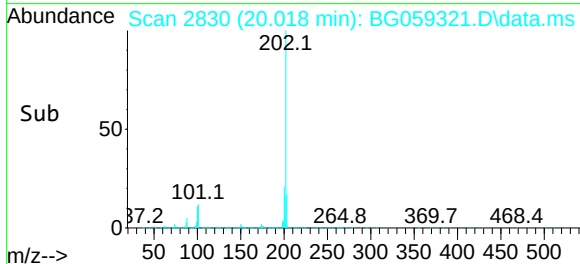
Instrument :
BNA_G
ClientSampleId :
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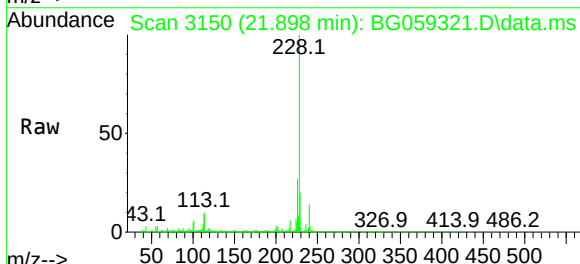
Tgt Ion:202 Resp: 69579
Ion Ratio Lower Upper
202 100
101 12.5 10.2 15.4
100 10.7 9.6 14.4

Manual Integrations
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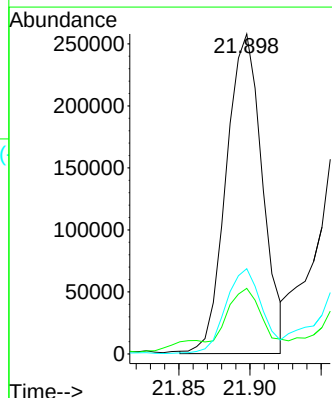
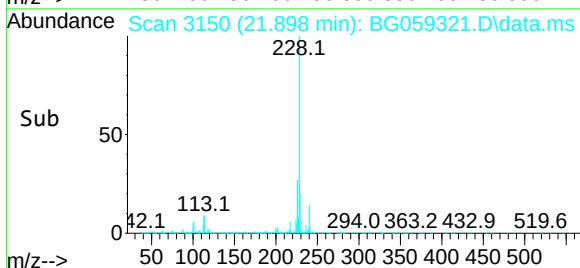
Reviewed By :Yogesh Patel 10/07/2023
Supervised By :mohammad ahmed 10/07/2023

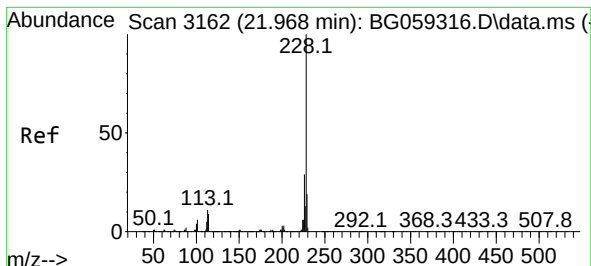


#85
Benzo(a)anthracene
Concen: 21.445 ng/ul
RT: 21.898 min Scan# 3150
Delta R.T. -0.006 min
Lab File: BG059321.D
Acq: 6 Oct 2023 8:31



Tgt Ion:228 Resp: 456744
Ion Ratio Lower Upper
228 100
229 20.5 15.5 23.3
226 26.6 21.4 32.2





#87

Chrysene

Concen: 23.373 ng/u1

RT: 21.968 min Scan# 3162

Delta R.T. -0.006 min

Lab File: BG059321.D

Acq: 6 Oct 2023 8:31

Instrument :

BNA_G

ClientSampleId :

EZYG9DL

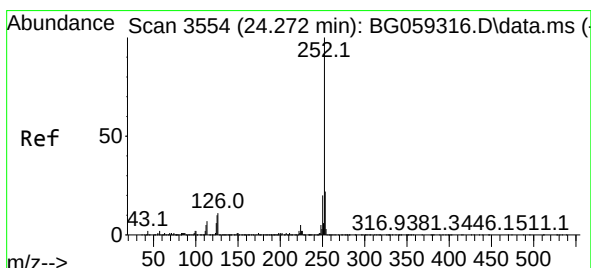
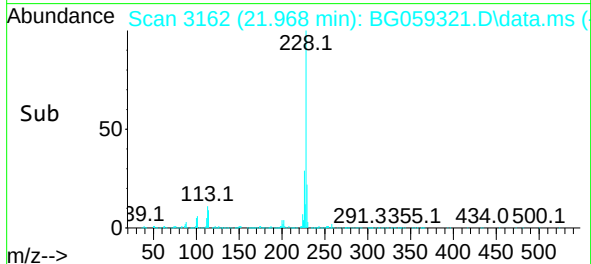
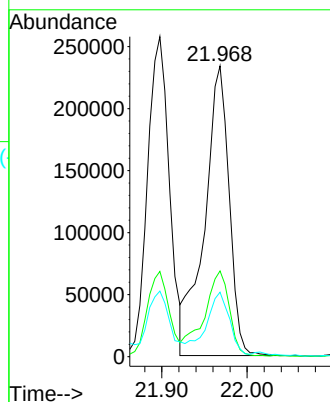
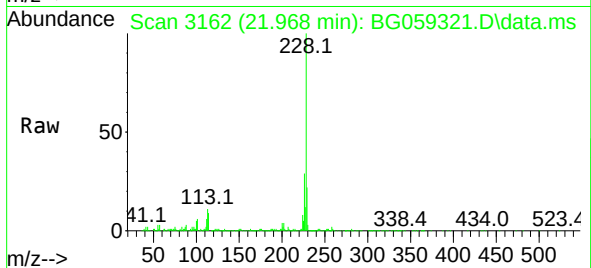
Tgt Ion:	228	Resp:	470159
Ion Ratio	Lower	Upper	
228	100		
226	29.5	24.2	36.4
229	22.2	16.2	24.2

Manual Integrations

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Supervised By :mohammad ahmed 10/07/2023



#90

Benzo(b)fluoranthene

Concen: 37.613 ng/u1

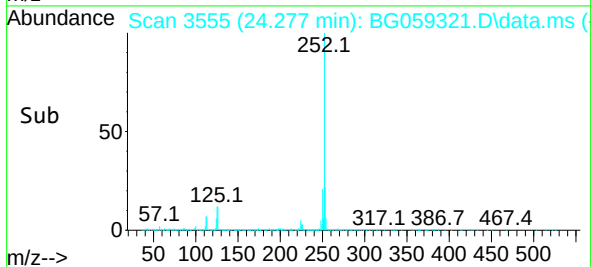
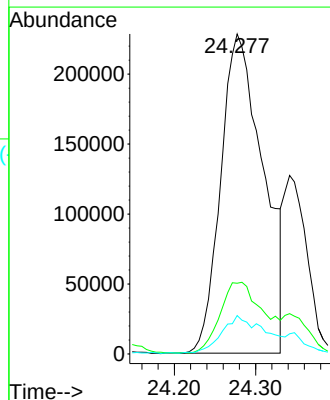
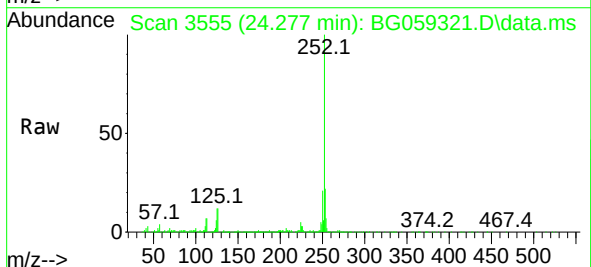
RT: 24.277 min Scan# 3555

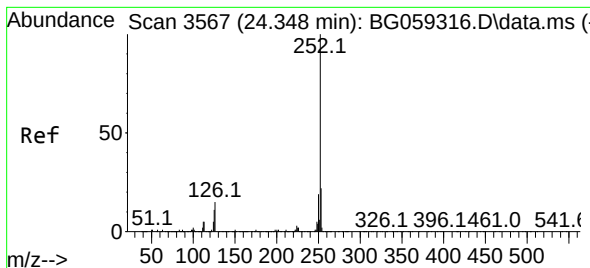
Delta R.T. -0.006 min

Lab File: BG059321.D

Acq: 6 Oct 2023 8:31

Tgt Ion:	252	Resp:	828237
Ion Ratio	Lower	Upper	
252	100		
253	22.1	18.0	27.0
125	12.0	8.1	12.1





#91

Benzo(k)fluoranthene

Concen: 11.173 ng/uI

RT: 24.342 min Scan# 3

Delta R.T. -0.017 min

Lab File: BG059321.D

Acq: 6 Oct 2023 8:31

Instrument :

BNA_G

ClientSampleId :

EZYG9DL

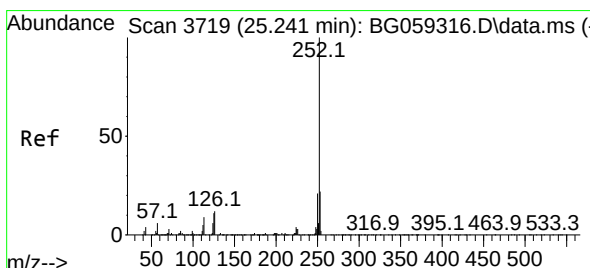
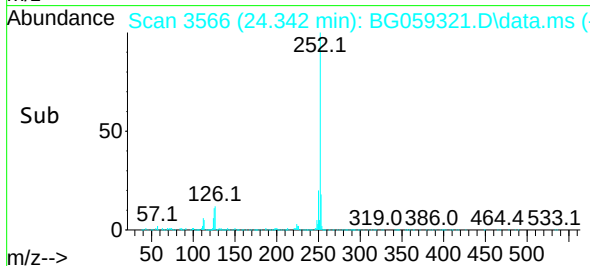
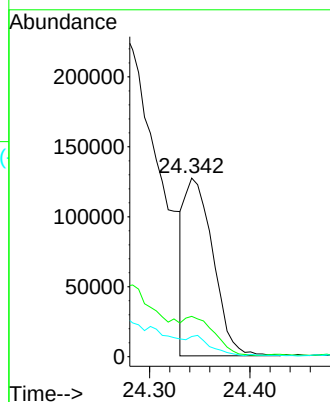
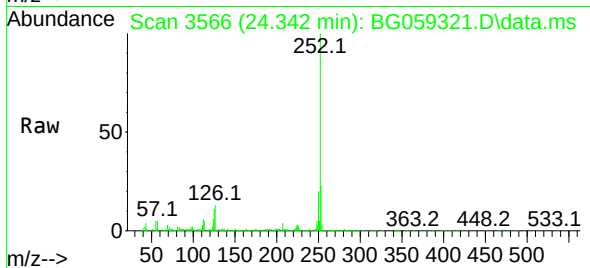
Tgt Ion:	252	Resp:	249294
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.6	26.4
125	11.2	8.1	12.1

Manual Integrations

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Reviewed By :Yogesh Patel 10/07/2023

Supervised By :mohammad ahmed 10/07/2023



#93

Benzo(a)pyrene

Concen: 27.769 ng/uI

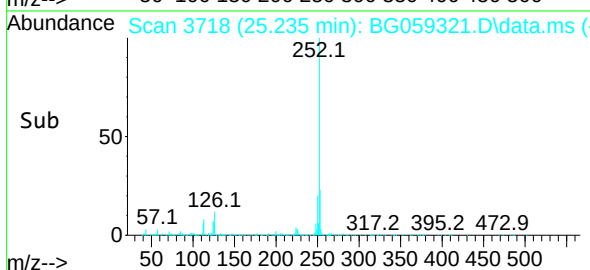
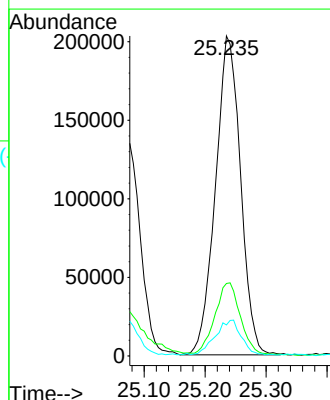
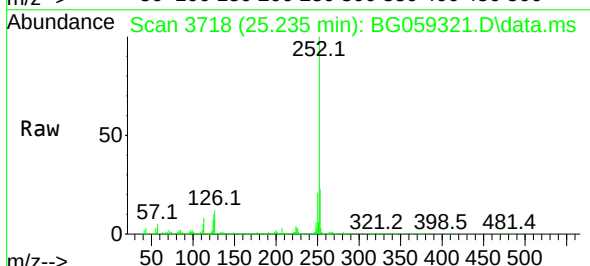
RT: 25.235 min Scan# 3718

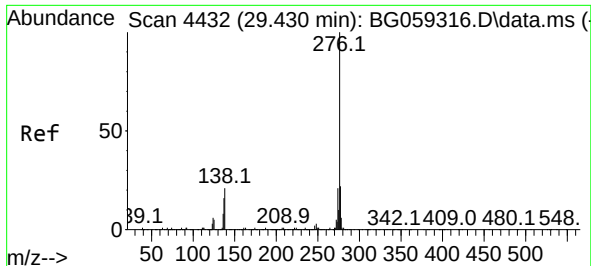
Delta R.T. -0.006 min

Lab File: BG059321.D

Acq: 6 Oct 2023 8:31

Tgt Ion:	252	Resp:	580074
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.2	25.8
125	9.7	9.4	14.0





#94
Indeno(1,2,3-cd)pyrene
Concen: 18.185 ng/ul
RT: 29.430 min Scan# 4432
Delta R.T. -0.006 min
Lab File: BG059321.D
Acq: 6 Oct 2023 8:31

Instrument :

BNA_G

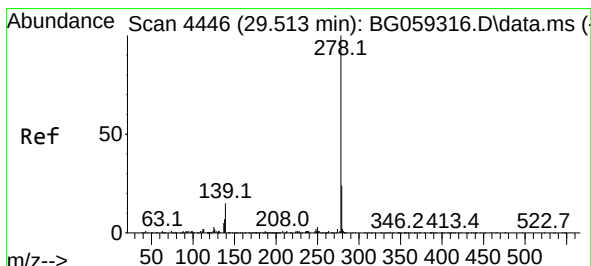
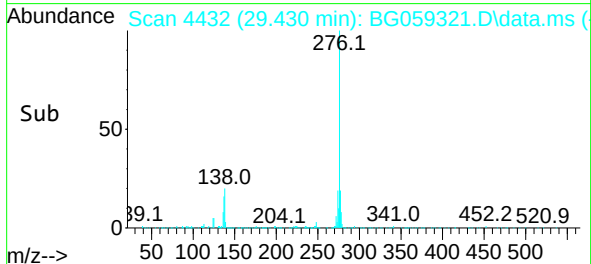
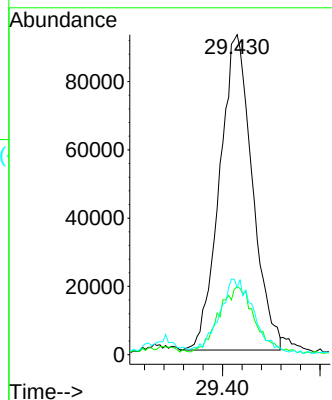
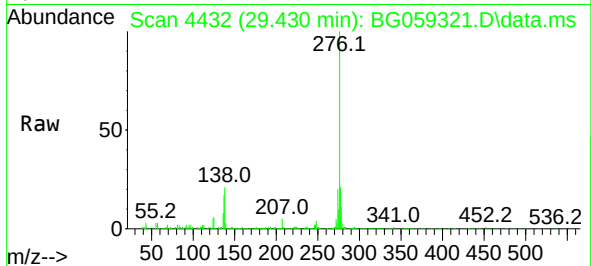
ClientSampleId :

EZYG9DL

Tgt Ion:276 Resp: 43001
Ion Ratio Lower Upper
276 100
138 21.3 17.0 25.6
277 21.0 18.6 28.0

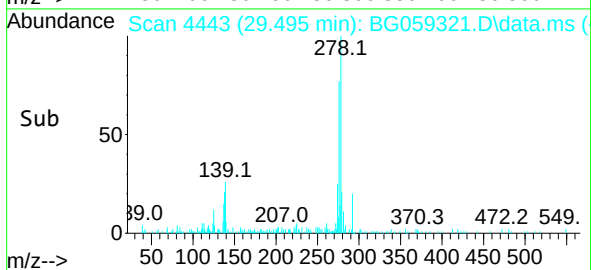
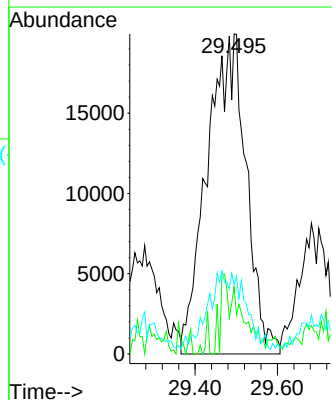
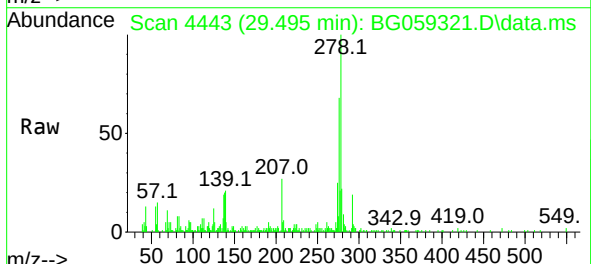
Manual Integrations
APPROVED

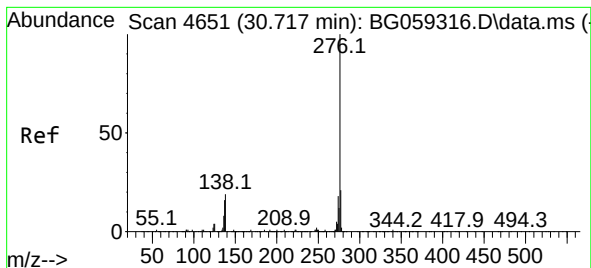
Reviewed By :Yogesh Patel 10/07/2023
Supervised By :mohammad ahmed 10/07/2023



#95
Dibenzo(a,h)anthracene
Concen: 6.842 ng/ul m
RT: 29.495 min Scan# 4443
Delta R.T. -0.017 min
Lab File: BG059321.D
Acq: 6 Oct 2023 8:31

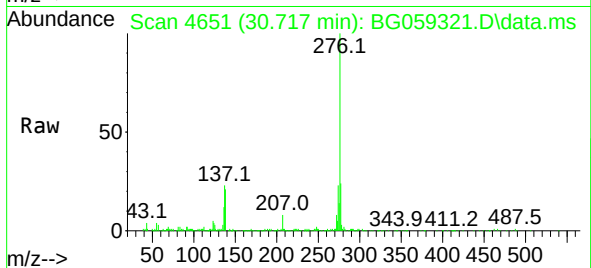
Tgt Ion:278 Resp: 131560
Ion Ratio Lower Upper
278 100
139 21.0 12.1 18.1#
279 21.7 18.6 27.8





#96
 Benzo(g,h,i)perylene
 Concen: 23.463 ng/ul m
 RT: 30.717 min Scan# 4
 Delta R.T. 0.006 min
 Lab File: BG059321.D
 Acq: 6 Oct 2023 8:31

Instrument :
 BNA_G
 ClientSampleId :
 EZYG9DL



Tgt Ion:276 Resp: 451118
 Ion Ratio Lower Upper
 276 100
 138 20.6 16.6 25.0
 277 23.8 20.0 30.0

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/07/2023
 Supervised By :mohammad ahmed 10/07/2023

