

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060424\
 Data File : BG061471.D
 Acq On : 5 Jun 2024 1:50
 Operator : MA/JU
 Sample : P2591-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BH5T1

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/07/2024

Supervised By :mohammad
 ahmed
 06/06/2024

Quant Time: Jun 05 02:27:56 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 30 22:54:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.878	152	24257	20.000	ng/u1	0.00
20) Naphthalene-d8	10.668	136	99093	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.511	164	79305	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.261	188	196367	20.000	ng/u1	0.00
79) Chrysene-d12	21.514	240	214780	20.000	ng/u1	0.00
88) Perylene-d12	24.611	264	240065	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.330	96	1372	3.165	ng/uL	0.00
4) Pyridine-d5	3.735	84	18449	11.964	ng/u1	0.00
7) Phenol-d5	7.061	99	40375	20.269	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.202	67	25213	20.137	ng/u1	0.00
11) 2-Chlorophenol-d4	7.413	132	32575	22.096	ng/u1	0.00
15) 4-Methylphenol-d8	8.600	113	34466	20.291	ng/u1	0.00
21) Nitrobenzene-d5	9.035	128	17452	22.875	ng/u1	0.00
24) 2-Nitrophenol-d4	9.752	143	20517	22.978	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.304	165	39828	22.880	ng/u1	0.00
31) 4-Chloroaniline-d4	10.804	131	44514	19.546	ng/u1	0.00
46) Dimethylphthalate-d6	13.918	166	139593	22.695	ng/u1	0.00
49) Acenaphthylene-d8	14.205	160	148623	23.242	ng/u1	0.00
54) 4-Nitrophenol-d4	14.764	143	13955m	18.351	ng/u1	0.03
60) Fluorene-d10	15.504	176	128057	24.115	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.651	200	17454	14.696	ng/u1	0.01
73) Anthracene-d10	17.361	188	206698	23.876	ng/u1	0.00
81) Pyrene-d10	19.658	212	255490	23.167	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.399	264	282662	24.491	ng/u1	0.01
Target Compounds						
					Qvalue	
30) Naphthalene	10.721	128	6922	1.323	ng/u1#	92
36) 2-Methylnaphthalene	12.331	142	12367	3.260	ng/u1	91
72) Phenanthrene	17.302	178	82367	8.642	ng/u1	100
74) Anthracene	17.396	178	13486m	1.369	ng/u1	
77) Carbazole	17.666	167	9535	1.190	ng/u1#	91
80) Fluoranthene	19.323	202	154751	11.697	ng/u1	99
82) Pyrene	19.687	202	124468	9.064	ng/u1	98
85) Benzo(a)anthracene	21.497	228	80509	5.432	ng/u1	97
87) Chrysene	21.561	228	70600	5.174	ng/u1	96
90) Benzo(b)fluoranthene	23.630	252	97204	6.801	ng/u1	98
91) Benzo(k)fluoranthene	23.688	252	37119	2.558	ng/u1	99
93) Benzo(a)pyrene	24.464	252	64559	4.757	ng/u1	99
94) Indeno(1,2,3-cd)pyrene	28.107	276	44115	2.688	ng/u1	95
95) Dibenzo(a,h)anthracene	28.148	278	15329m	1.133	ng/u1	
96) Benzo(g,h,i)perylene	29.211	276	41742m	3.197	ng/u1	

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

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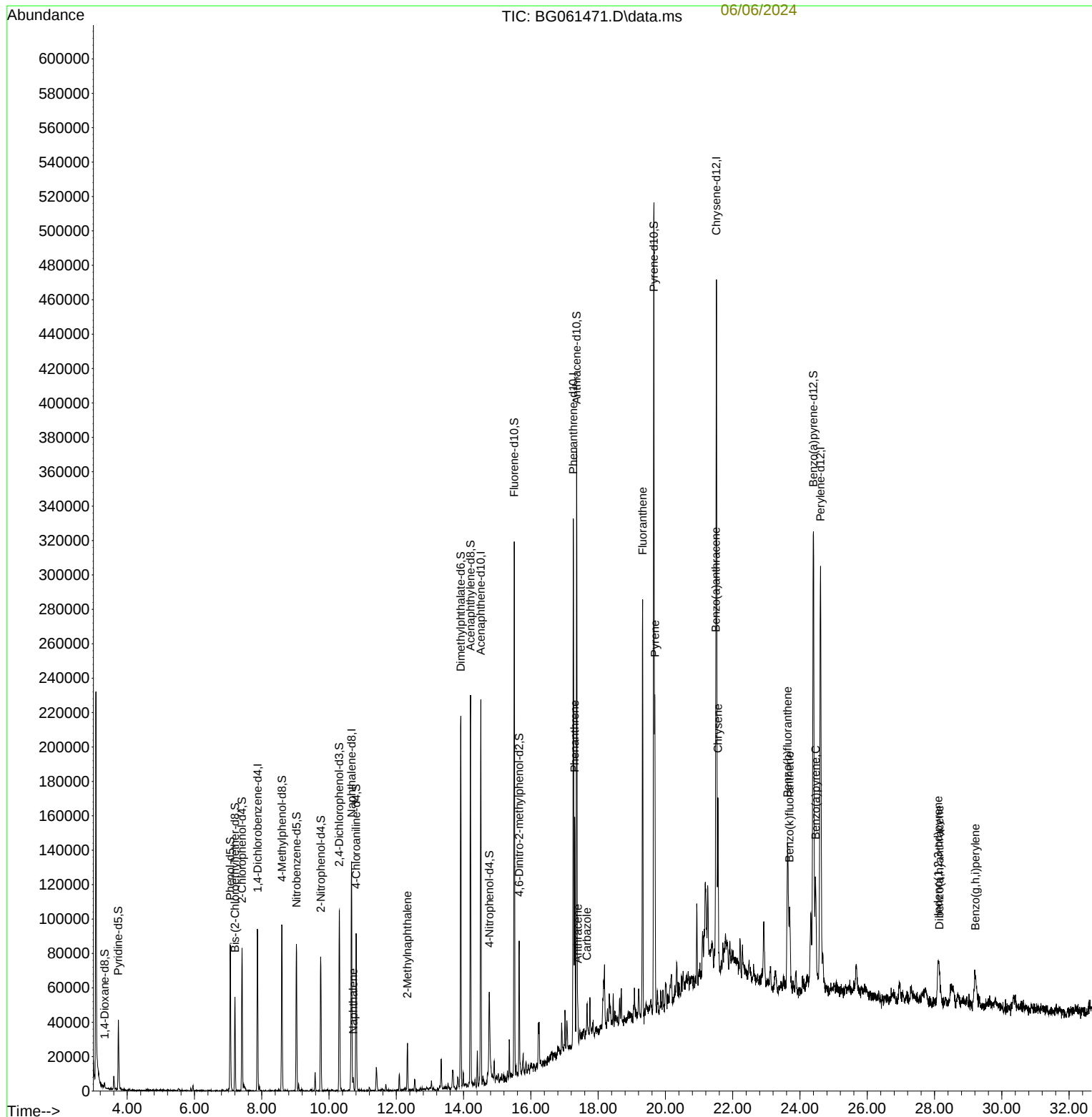
Quant Time: Jun 05 02:27:56 2024

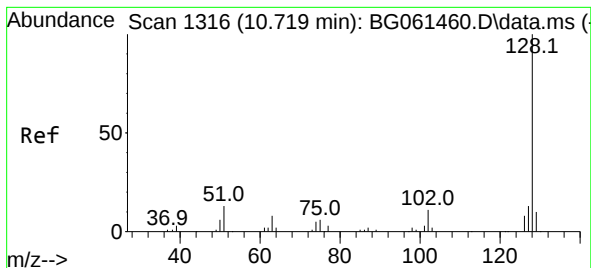
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Thu May 30 22:54:48 2024

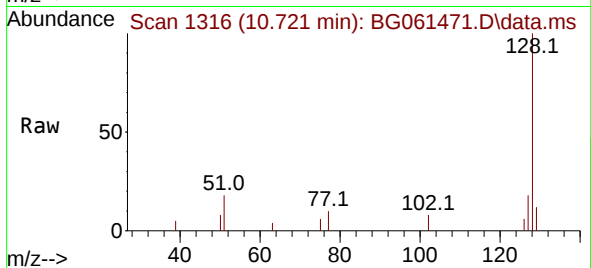
Response via : Initial Calibration





#30
Naphthalene
Concen: 1.323 ng/ul
RT: 10.721 min Scan# 11
Delta R.T. 0.002 min
Lab File: BG061471.D
Acq: 5 Jun 2024 1:50

Instrument :
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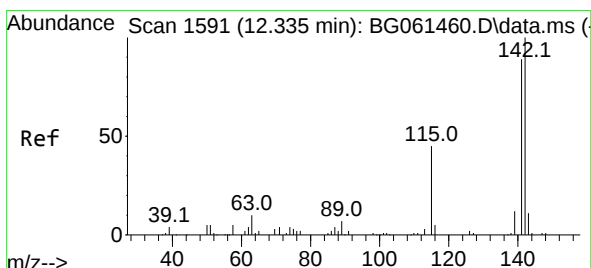
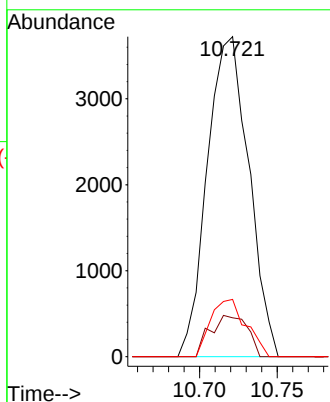


Tgt Ion:128 Resp: 692
Ion Ratio Lower Upper
128 100
129 12.2 8.6 12.8
127 17.9 10.8 16.2

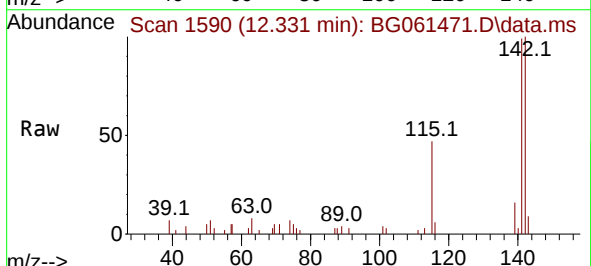
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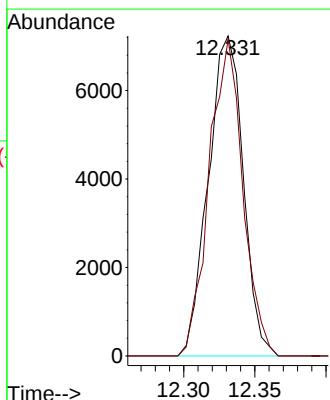
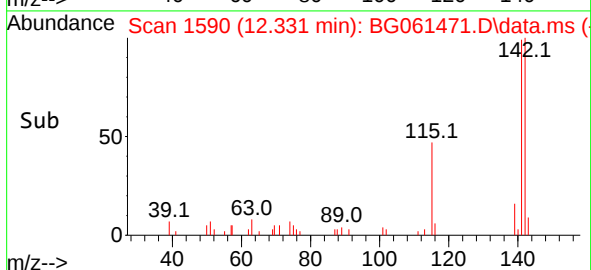
Supervised By :mohammad
ahmed
06/06/2024

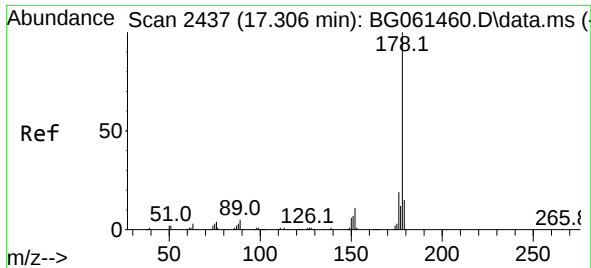


#36
2-Methylnaphthalene
Concen: 3.260 ng/ul
RT: 12.331 min Scan# 1590
Delta R.T. 0.002 min
Lab File: BG061471.D
Acq: 5 Jun 2024 1:50



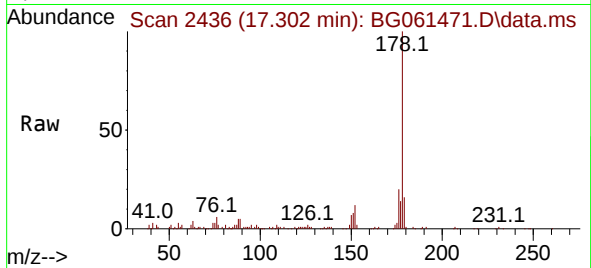
Tgt Ion:142 Resp: 12367
Ion Ratio Lower Upper
142 100
141 98.9 72.2 108.2





#72
Phenanthrene
Concen: 8.642 ng/ul
RT: 17.302 min Scan# 2436
Delta R.T. 0.002 min
Lab File: BG061471.D
Acq: 5 Jun 2024 1:50

Instrument :
BNA_G
ClientSampleId :
BH5T1

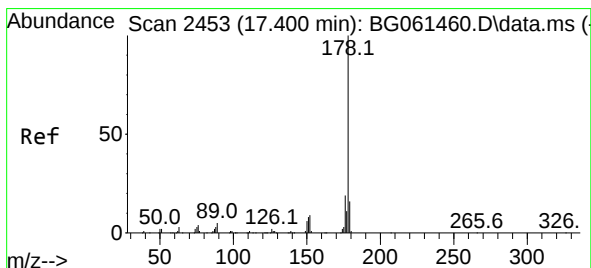
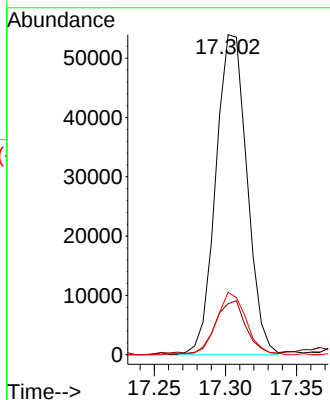
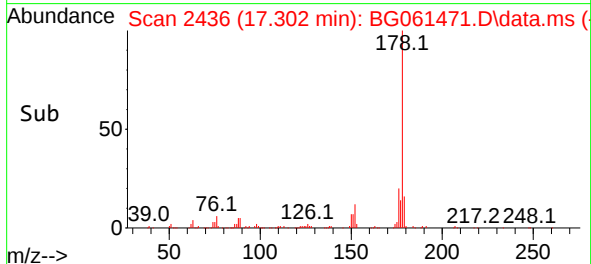


Tgt Ion:178 Resp: 8236
Ion Ratio Lower Upper
178 100
179 15.9 12.7 19.1
176 19.5 15.5 23.3

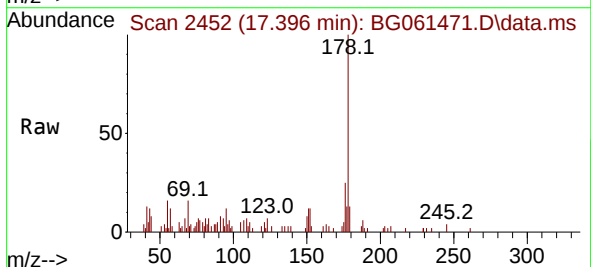
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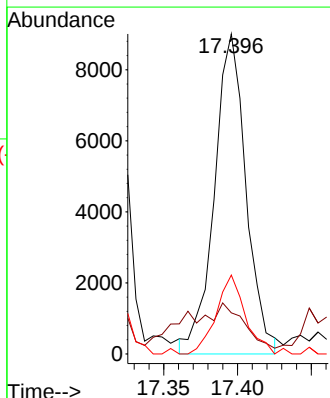
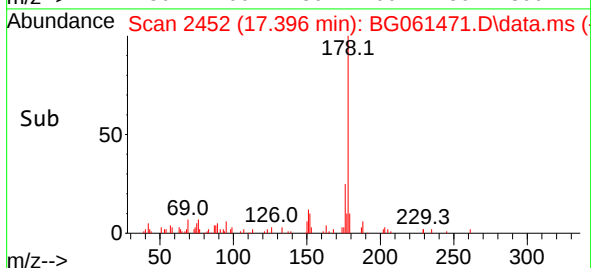
Supervised By :mohammad
ahmed
06/06/2024

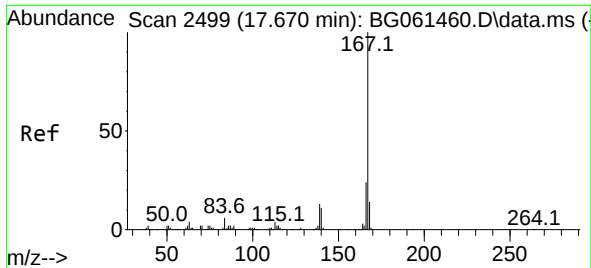


#74
Anthracene
Concen: 1.369 ng/ul m
RT: 17.396 min Scan# 2452
Delta R.T. 0.002 min
Lab File: BG061471.D
Acq: 5 Jun 2024 1:50



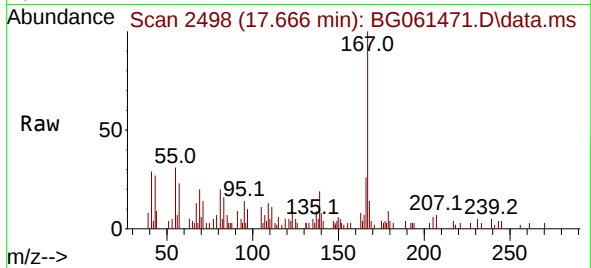
Tgt Ion:178 Resp: 13486
Ion Ratio Lower Upper
178 100
179 12.9 11.8 17.6
176 24.6 14.9 22.3#





#77
 Carbazole
 Concen: 1.190 ng/ul
 RT: 17.666 min Scan# 2499
 Delta R.T. 0.002 min
 Lab File: BG061471.D
 Acq: 5 Jun 2024 1:50

Instrument :
 BNA_G
 ClientSampleId :
 BH5T1

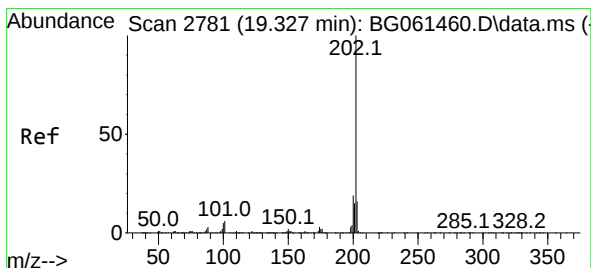
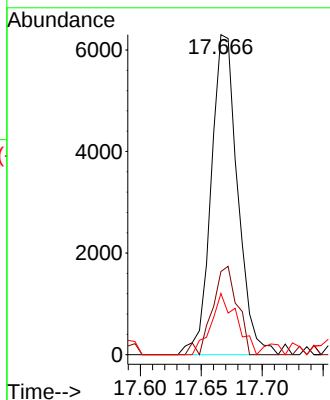
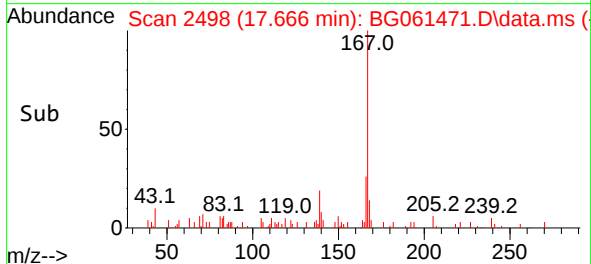


Tgt Ion:167 Resp: 9538
 Ion Ratio Lower Upper
 167 100
 166 26.0 18.6 28.0
 139 19.1 10.6 15.8

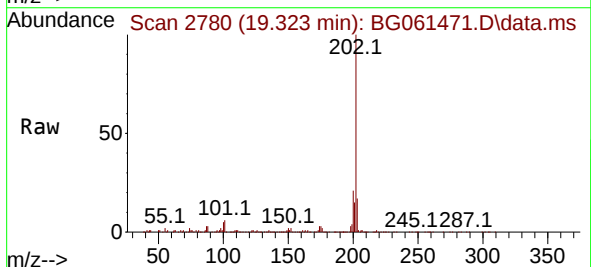
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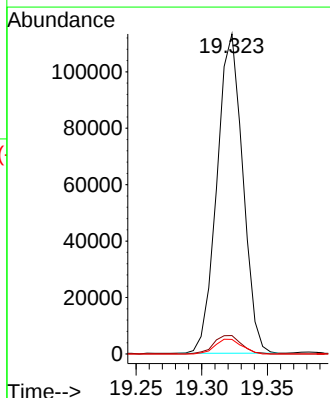
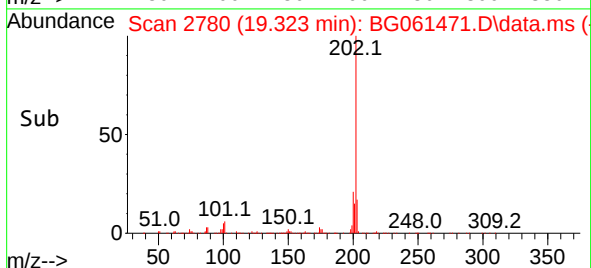
Supervised By :mohammad
 ahmed
 06/06/2024

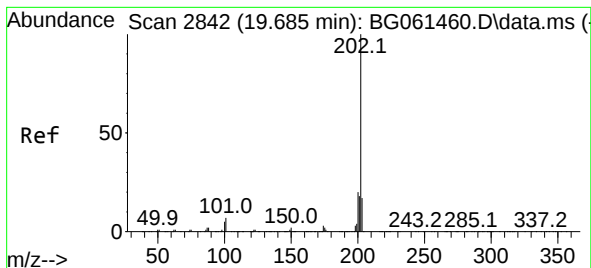


#80
 Fluoranthene
 Concen: 11.697 ng/ul
 RT: 19.323 min Scan# 2780
 Delta R.T. 0.008 min
 Lab File: BG061471.D
 Acq: 5 Jun 2024 1:50



Tgt Ion:202 Resp: 154751
 Ion Ratio Lower Upper
 202 100
 101 5.7 4.8 7.2
 100 4.6 4.1 6.1





#82

Pyrene

Concen: 9.064 ng/ul

RT: 19.687 min Scan# 2146

Delta R.T. 0.008 min

Lab File: BG061471.D

Acq: 5 Jun 2024 1:50

Instrument :

BNA_G

ClientSampleId :

BH5T1

Tgt Ion:202 Resp: 124468

Ion Ratio Lower Upper

202 100

101 7.4 5.7 8.5

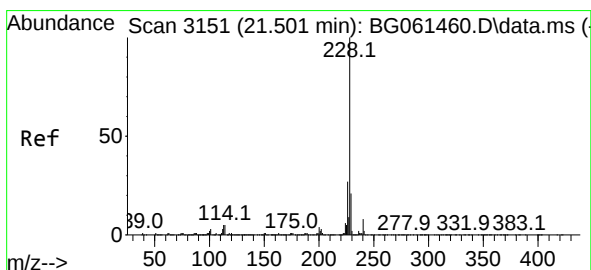
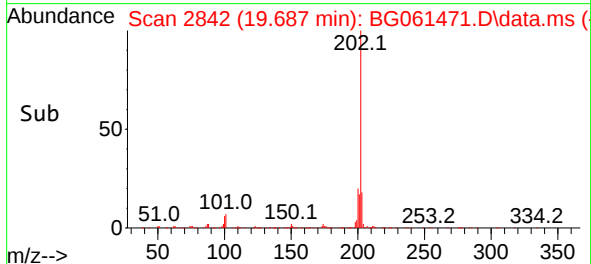
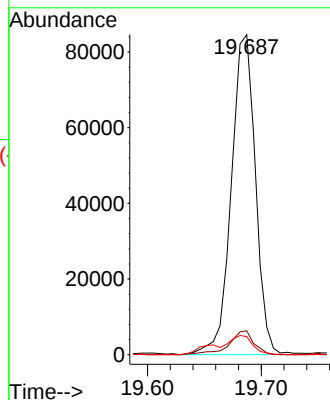
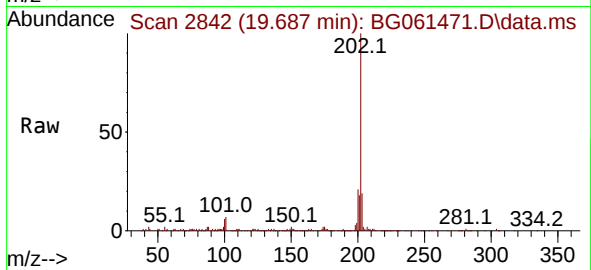
100 5.7 5.1 7.7

Manual Integrations

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#85

Benzo(a)anthracene

Concen: 5.432 ng/ul

RT: 21.497 min Scan# 3150

Delta R.T. 0.002 min

Lab File: BG061471.D

Acq: 5 Jun 2024 1:50

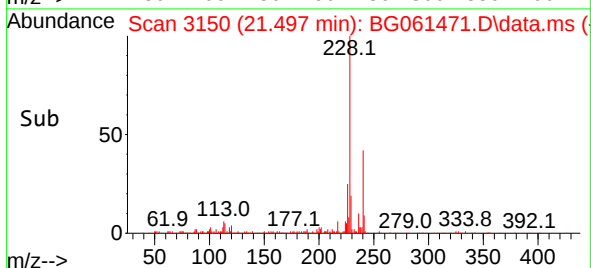
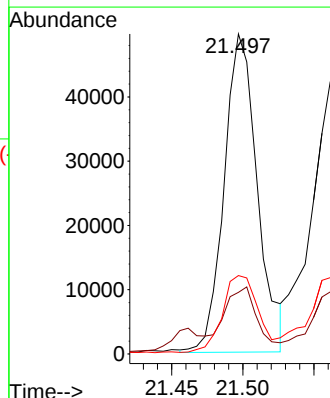
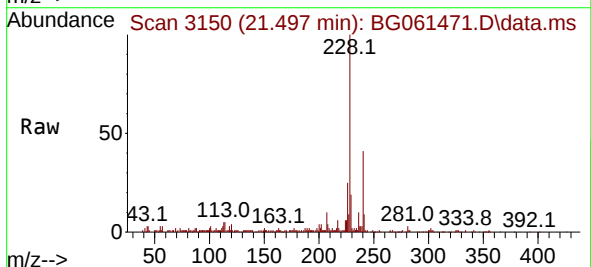
Tgt Ion:228 Resp: 80509

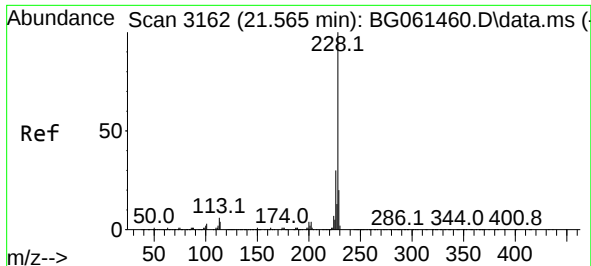
Ion Ratio Lower Upper

228 100

229 19.3 15.2 22.8

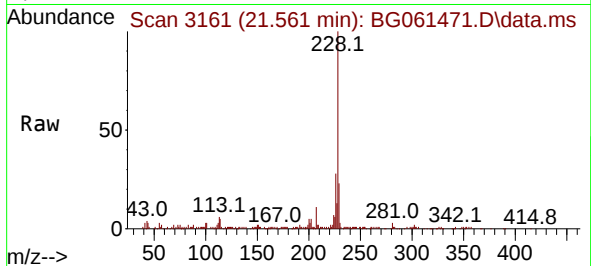
226 24.5 21.4 32.2





#87
Chrysene
Concen: 5.174 ng/ul
RT: 21.561 min Scan# 3162
Delta R.T. 0.008 min
Lab File: BG061471.D
Acq: 5 Jun 2024 1:50

Instrument :
BNA_G
ClientSampleId :
BH5T1

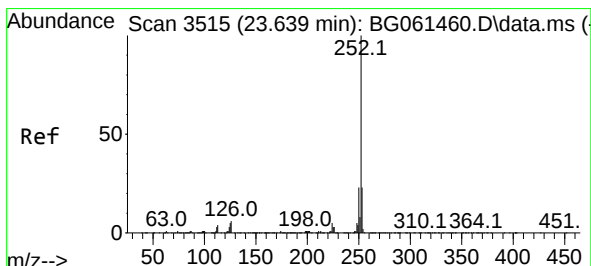
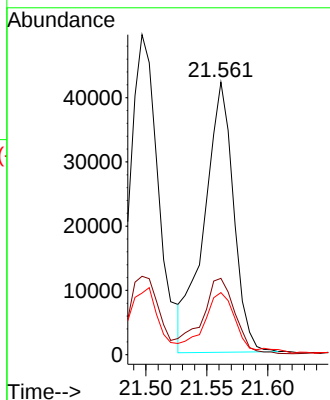
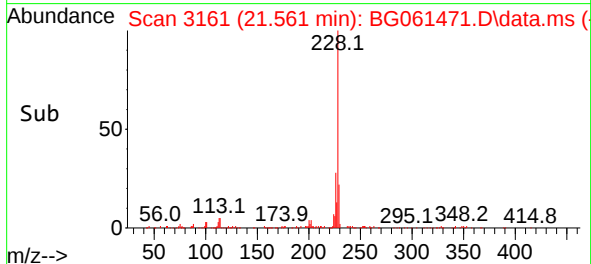


Tgt Ion:228 Resp: 70600
Ion Ratio Lower Upper
228 100
226 28.0 23.4 35.0
229 22.8 15.4 23.2

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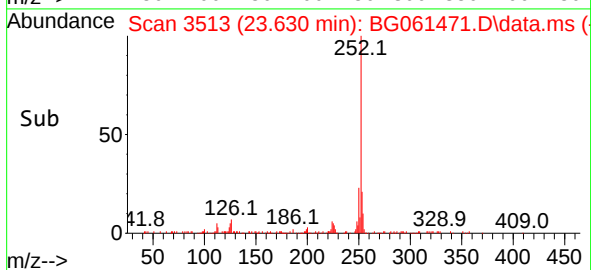
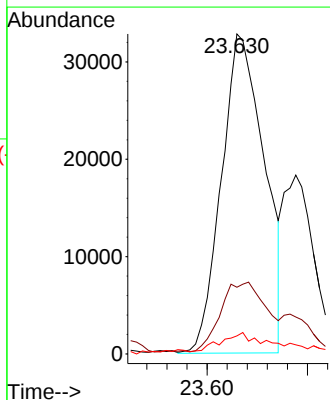
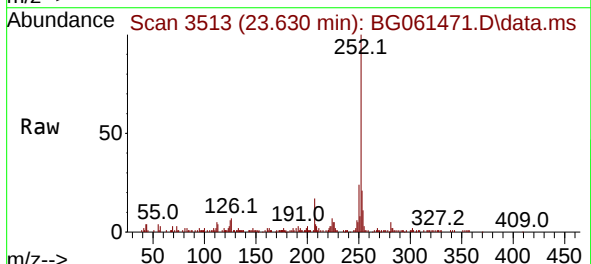
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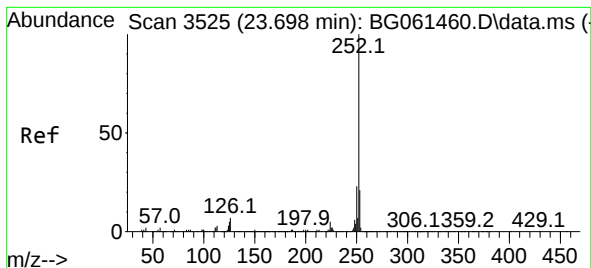
Supervised By :mohammad
ahmed
06/06/2024



#90
Benzo(b)fluoranthene
Concen: 6.801 ng/ul
RT: 23.630 min Scan# 3513
Delta R.T. 0.014 min
Lab File: BG061471.D
Acq: 5 Jun 2024 1:50

Tgt Ion:252 Resp: 97204
Ion Ratio Lower Upper
252 100
253 20.9 17.8 26.8
125 5.6 4.6 6.8





#91

Benzo(k)fluoranthene

Concen: 2.558 ng/u1

RT: 23.688 min Scan# 3525

Delta R.T. 0.008 min

Lab File: BG061471.D

Acq: 5 Jun 2024 1:50

Instrument :

BNA_G

ClientSampleId :

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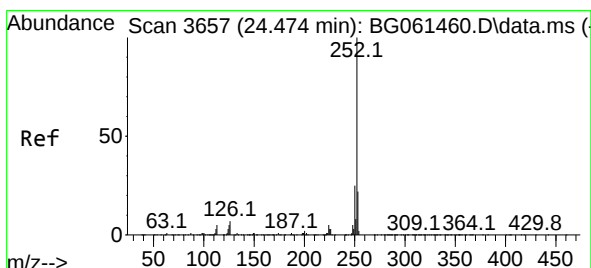
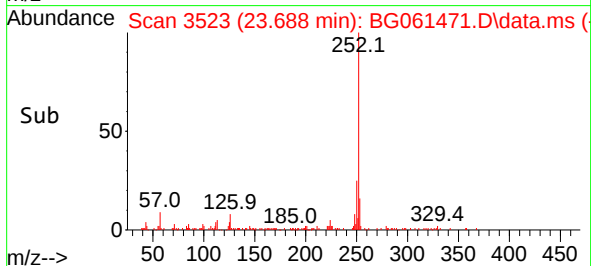
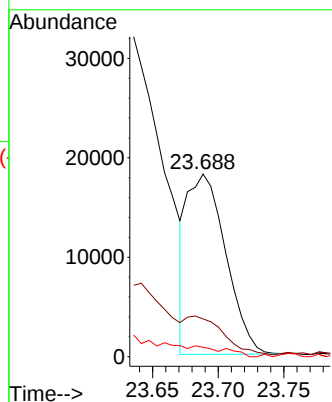
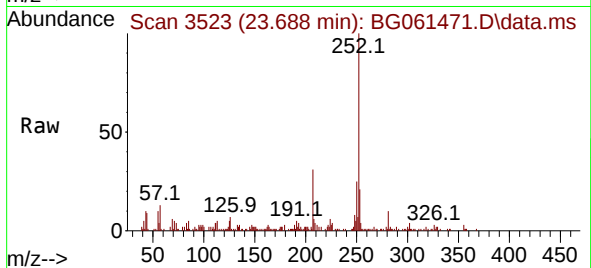
Tgt Ion:252	Resp:	37119
Ion Ratio	Lower	Upper
252	100	
253	20.7	16.0 24.0
125	5.1	4.3 6.5

Manual Integrations

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Supervised By :mohammad
ahmed
06/06/2024



#93

Benzo(a)pyrene

Concen: 4.757 ng/u1

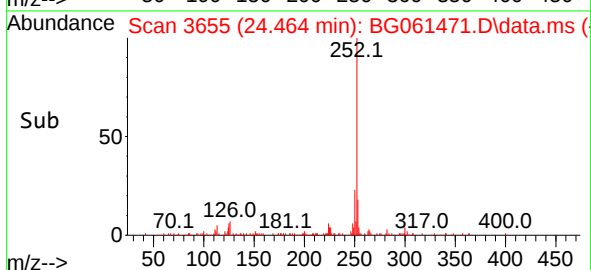
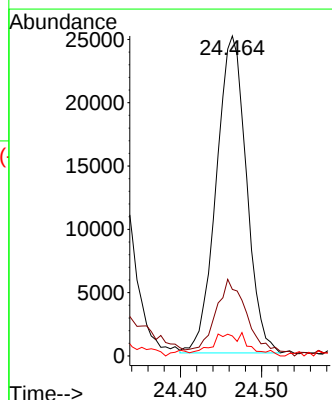
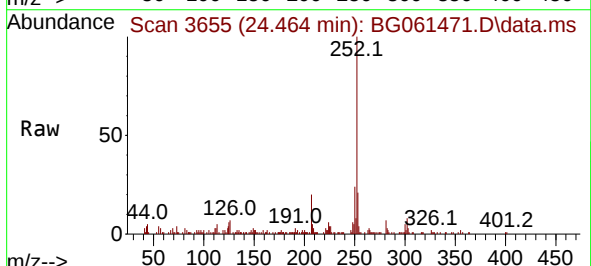
RT: 24.464 min Scan# 3655

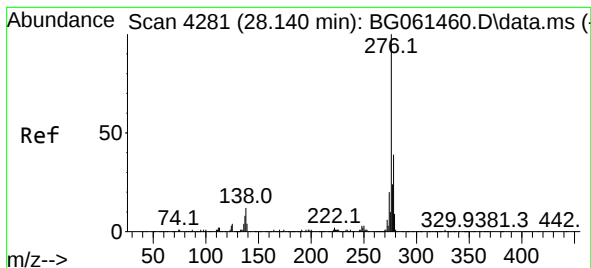
Delta R.T. 0.014 min

Lab File: BG061471.D

Acq: 5 Jun 2024 1:50

Tgt Ion:252	Resp:	64559
Ion Ratio	Lower	Upper
252	100	
253	20.8	16.4 24.6
125	6.2	4.3 6.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 2.688 ng/ul

RT: 28.107 min Scan# 4281

Delta R.T. 0.014 min

Lab File: BG061471.D

Acq: 5 Jun 2024 1:50

Instrument :

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ClientSampleId :

BH5T1

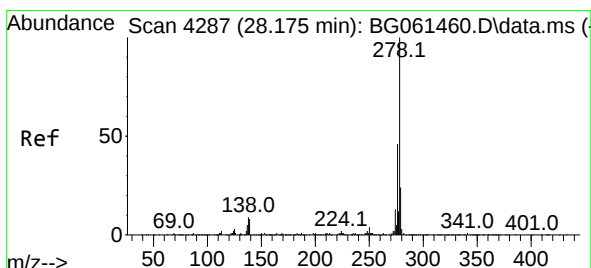
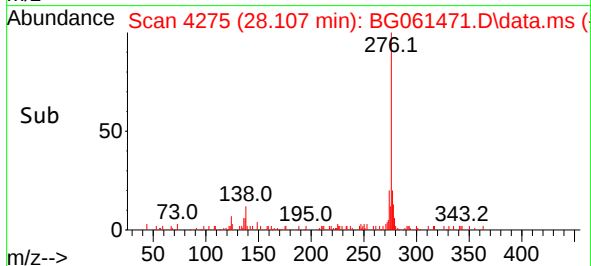
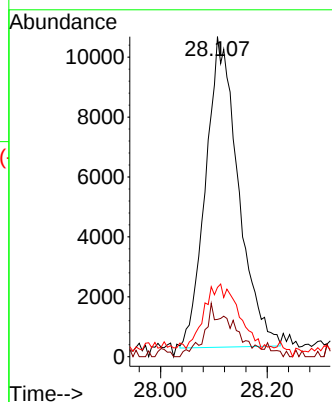
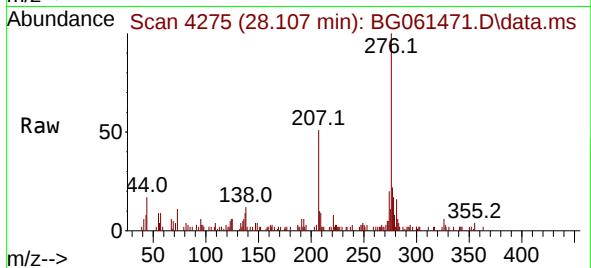
Tgt Ion:	276	Resp:	4411
Ion Ratio	Lower	Upper	
276	100		
138	11.6	8.6	13.0
277	21.6	19.7	29.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

Supervised By :mohammad
ahmed
06/06/2024



#95

Dibenzo(a,h)anthracene

Concen: 1.133 ng/ul m

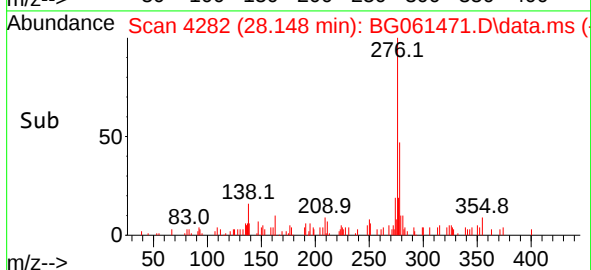
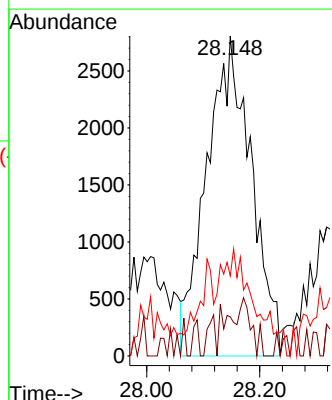
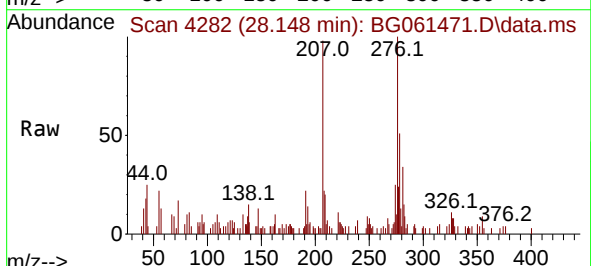
RT: 28.148 min Scan# 4282

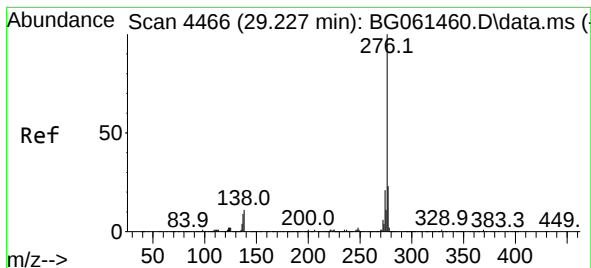
Delta R.T. 0.008 min

Lab File: BG061471.D

Acq: 5 Jun 2024 1:50

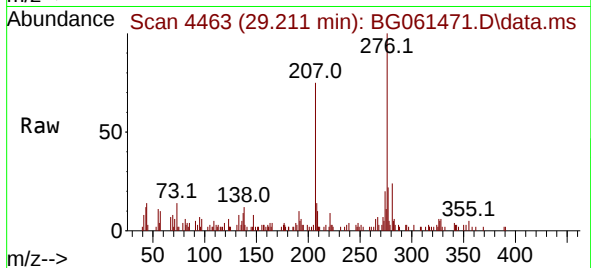
Tgt Ion:	278	Resp:	15329
Ion Ratio	Lower	Upper	
278	100		
139	12.2	6.4	9.6
279	25.0	19.9	29.9





#96
Benzo(g,h,i)perylene
Concen: 3.197 ng/ul m
RT: 29.211 min Scan# 4463
Delta R.T. 0.038 min
Lab File: BG061471.D
Acq: 5 Jun 2024 1:50

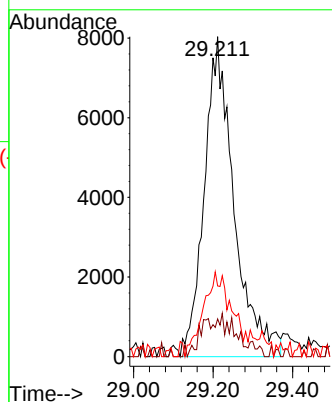
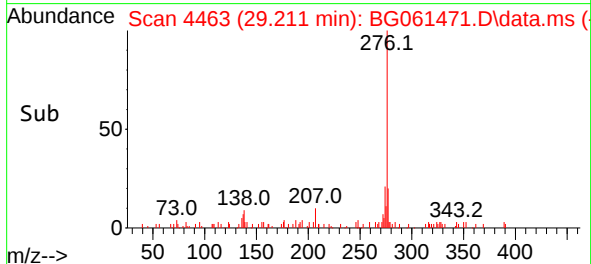
Instrument :
BNA_G
ClientSampleId :
BH5T1



Tgt Ion:276 Resp: 4174
Ion Ratio Lower Upper
276 100
138 11.8 8.7 13.1
277 22.1 18.2 27.2

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



Supervised By :mohammad
ahmed
06/06/2024