

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071624\
 Data File : BG062099.D
 Acq On : 16 Jul 2024 18:18
 Operator : MA/JU
 Sample : P3177-15
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4BY1

Manual Integrations
 APPROVED

Reviewed By :Jagrut
 Upadhyay

Quant Time: Jul 17 02:48:13 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 16 12:23:16 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.054	152	35809	20.000	ng/u1	0.00
20) Naphthalene-d8	10.868	136	162717	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.687	164	122935	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.431	188	271475	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.697	240	234345	20.000	ng/u1	# 0.00
88) Perylene-d12	24.928	264	287953	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.453	96	1490	1.564	ng/uL	0.02
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.225	99	55792	14.237	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.372	67	30880	12.443	ng/u1	0.00
11) 2-Chlorophenol-d4	7.584	132	38825	14.443	ng/u1	0.00
15) 4-Methylphenol-d8	8.771	113	43041	13.950	ng/u1	0.00
21) Nitrobenzene-d5	9.223	128	20719	16.742	ng/u1	0.00
24) 2-Nitrophenol-d4	9.946	143	27457	19.429	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.498	165	48241	17.698	ng/u1	0.01
31) 4-Chloroaniline-d4	11.009	131	25208	6.370	ng/u1	0.00
46) Dimethylphthalate-d6	14.088	166	149404	14.782	ng/u1	0.00
49) Acenaphthylene-d8	14.382	160	160200	15.159	ng/u1	0.00
54) 4-Nitrophenol-d4	14.911	143	18888	11.702	ng/u1	0.00
60) Fluorene-d10	15.674	176	116537	13.697	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.798	200	13963	9.794	ng/u1	0.00
73) Anthracene-d10	17.531	188	195314	15.410	ng/u1	0.00
81) Pyrene-d10	19.811	212	155824	11.305	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.705	264	99267m	6.951	ng/u1	0.01
Target Compounds						
52) Acenaphthene	14.746	153	12217	1.525	ng/u1	93
61) Fluorene	15.733	166	15062	1.565	ng/u1#	83
72) Phenanthrene	17.478	178	279697	19.540	ng/u1	98
74) Anthracene	17.566	178	61481	4.156	ng/u1	97
77) Carbazole	17.837	167	21085	1.694	ng/u1#	94
80) Fluoranthene	19.482	202	440872	27.027	ng/u1#	91
82) Pyrene	19.846	202	221832	13.165	ng/u1#	90
85) Benzo(a)anthracene	21.679	228	185208	10.916	ng/u1	100
86) Bis(2-ethylhexyl)phtha...	21.562	149	50440	4.971	ng/u1#	99
87) Chrysene	21.744	228	185727	11.693	ng/u1	99
90) Benzo(b)fluoranthene	23.900	252	248055	13.673	ng/u1#	96
91) Benzo(k)fluoranthene	23.959	252	82901m	4.582	ng/u1	
93) Benzo(a)pyrene	24.775	252	64072m	3.730	ng/u1	
94) Indeno(1,2,3-cd)pyrene	28.624	276	60068m	2.736	ng/u1	
95) Dibenzo(a,h)anthracene	28.665	278	31201m	1.721	ng/u1	

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

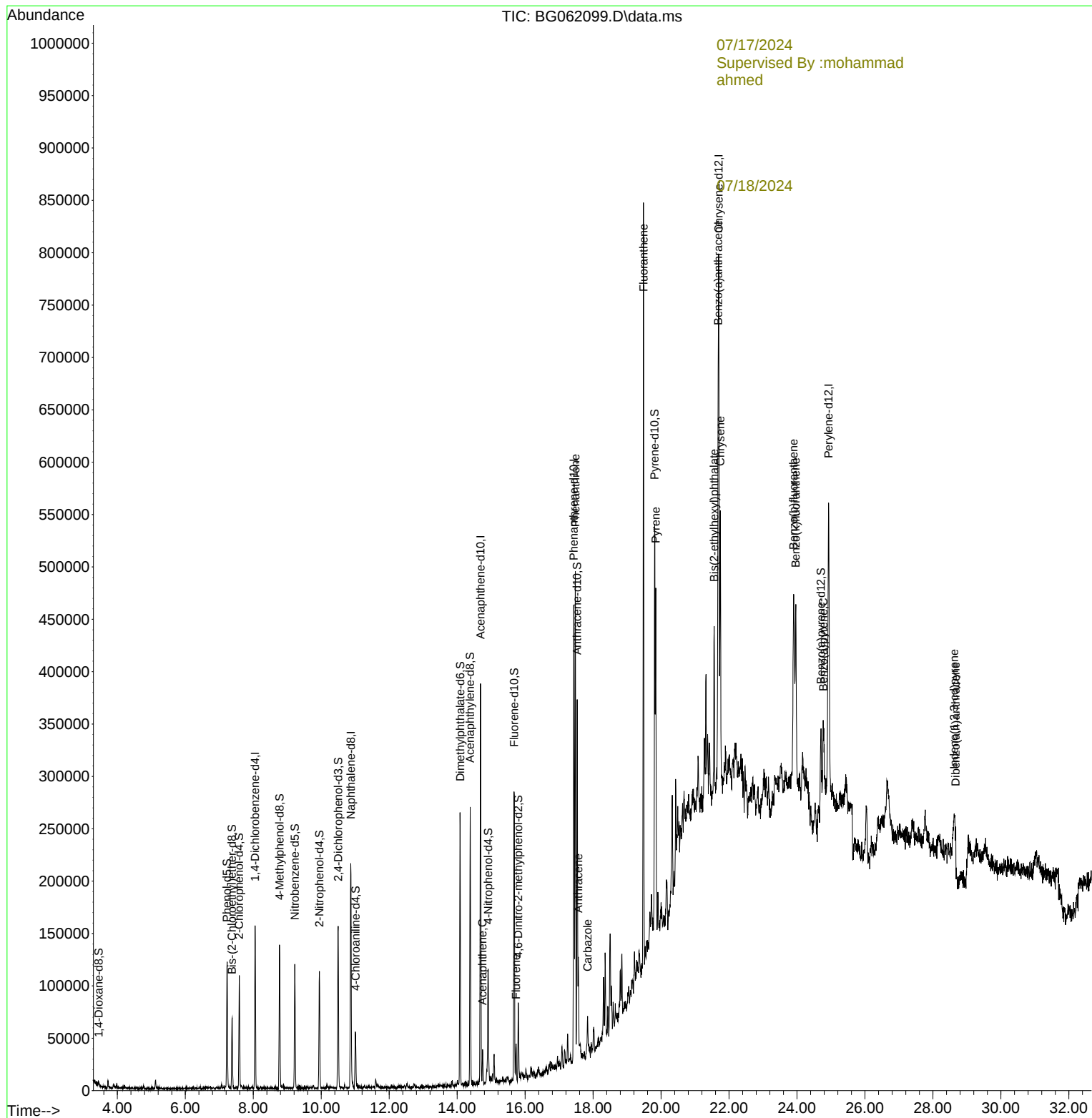
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071624\
Data File : BG062099.D
Acq On : 16 Jul 2024 18:18
Operator : MA/JU
Sample : P3177-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

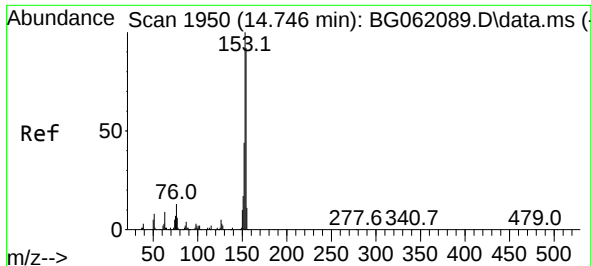
Instrument :
BNA_G
ClientSampleId :
A4BY1

Manual Integrations
APPROVED

Reviewed By :Jagrut
Upadhyay

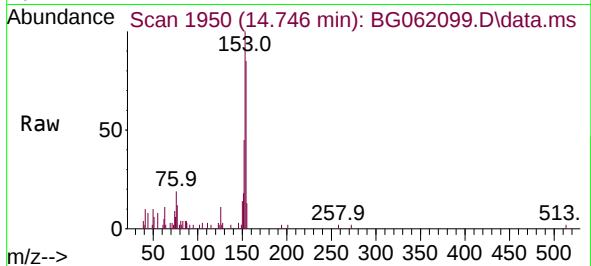
Quant Time: Jul 17 02:48:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 16 12:23:16 2024
Response via : Initial Calibration





#52
Acenaphthene
Concen: 1.525 ng/ul
RT: 14.746 min Scan# 1950
Delta R.T. 0.001 min
Lab File: BG062099.D
Acq: 16 Jul 2024 18:18

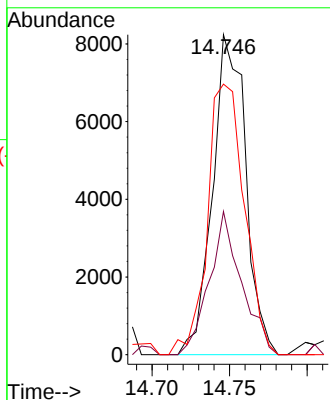
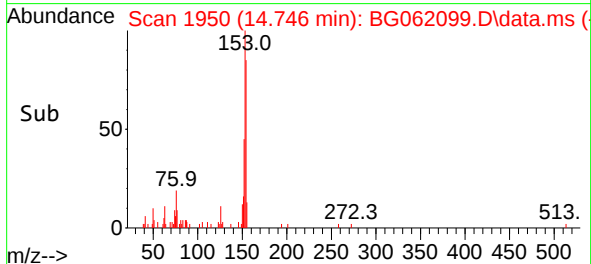
Instrument :
BNA_G
ClientSampleId :
A4BY1



Tgt Ion:153 Resp: 1221
Ion Ratio Lower Upper
153 100
152 44.8 37.2 55.8
154 84.5 75.0 112.6

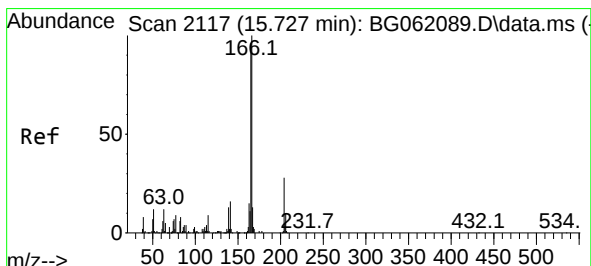
Manual Integrations
APPROVED

Reviewed By :Jagrut
Upadhyay

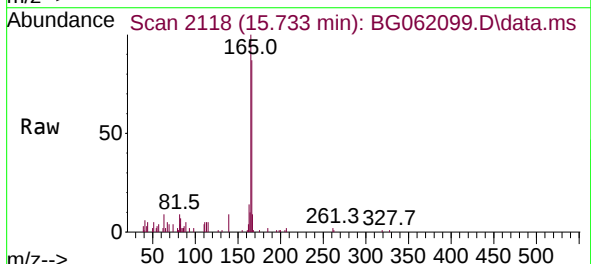


07/17/2024
Supervised By :mohammad
ahmed

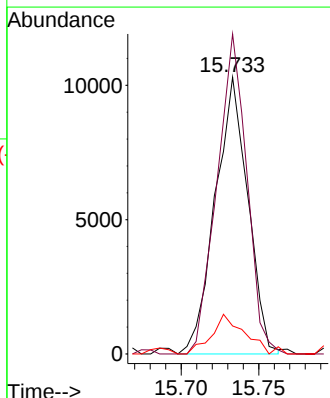
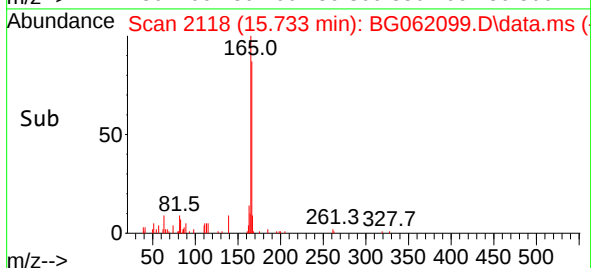
07/18/2024

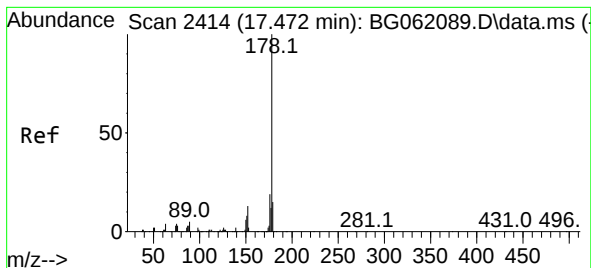


#61
Fluorene
Concen: 1.565 ng/ul
RT: 15.733 min Scan# 2118
Delta R.T. 0.006 min
Lab File: BG062099.D
Acq: 16 Jul 2024 18:18



Tgt Ion:166 Resp: 15062
Ion Ratio Lower Upper
166 100
165 115.6 78.4 117.6
167 10.1 10.4 15.6#





#72

Phenanthrene

Concen: 19.540 ng/ul

RT: 17.478 min Scan# 2414

Delta R.T. 0.006 min

Lab File: BG062099.D

Acq: 16 Jul 2024 18:18

Instrument :

BNA_G

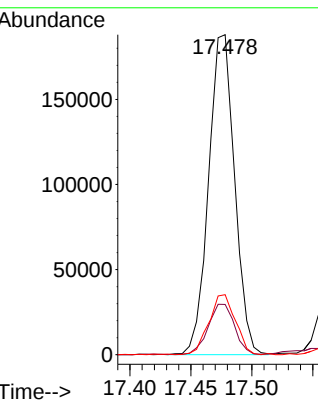
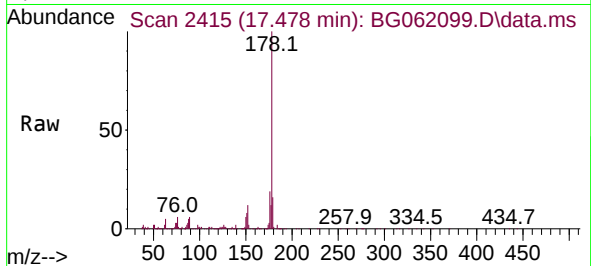
ClientSampleId :

A4BY1

Tgt Ion:178	Resp: 27969
Ion Ratio	Lower Upper
178 100	
179 15.7	11.9 17.9
176 18.8	15.5 23.3

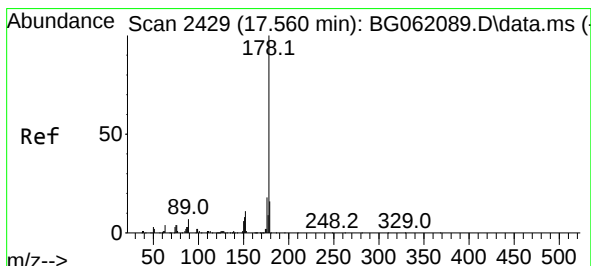
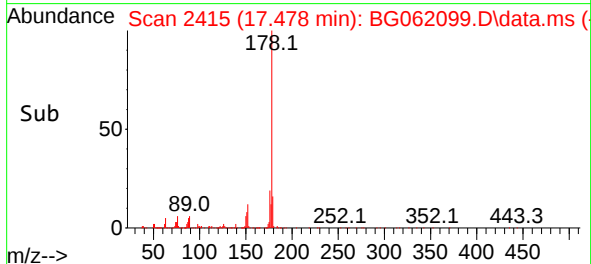
Manual Integrations
APPROVED

Reviewed By :Jagrut
Upadhyay



07/17/2024
Supervised By :mohammad
ahmed

07/18/2024



#74

Anthracene

Concen: 4.156 ng/ul

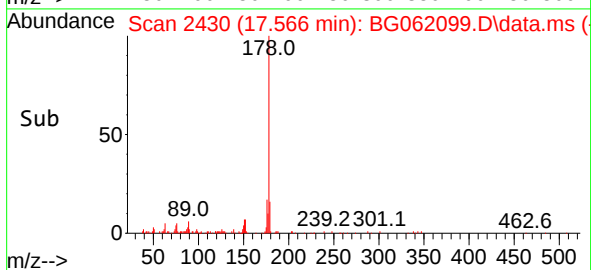
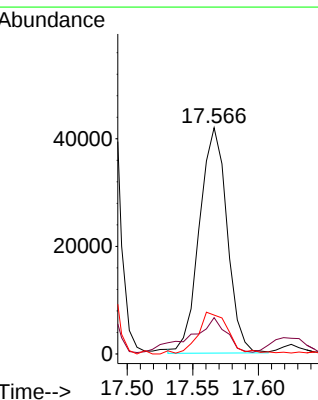
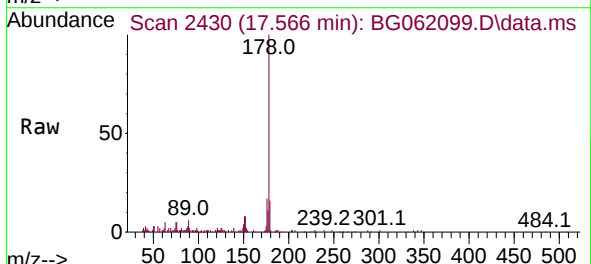
RT: 17.566 min Scan# 2430

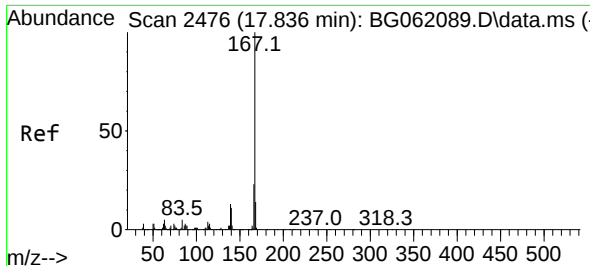
Delta R.T. 0.006 min

Lab File: BG062099.D

Acq: 16 Jul 2024 18:18

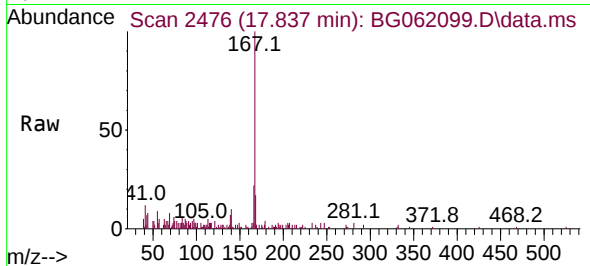
Tgt Ion:178	Resp: 61481
Ion Ratio	Lower Upper
178 100	
179 16.1	11.9 17.9
176 17.2	14.7 22.1





#77
 Carbazole
 Concen: 1.694 ng/ul
 RT: 17.837 min Scan# 2476
 Delta R.T. 0.001 min
 Lab File: BG062099.D
 Acq: 16 Jul 2024 18:18

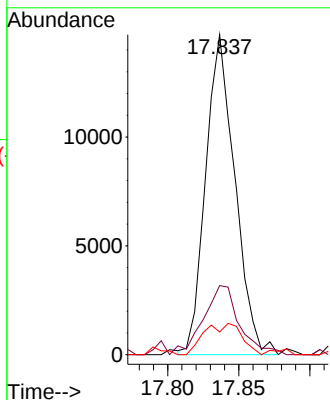
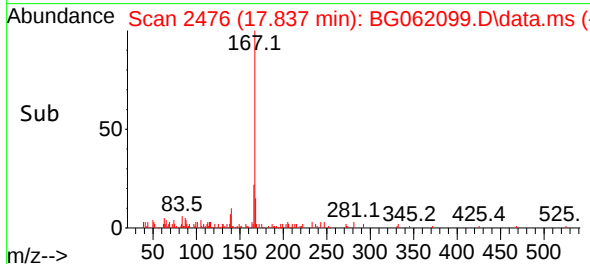
Instrument :
 BNA_G
 ClientSampleId :
 A4BY1



Tgt Ion:167 Resp: 21085
 Ion Ratio Lower Upper
 167 100
 166 21.6 18.2 27.2
 139 7.1 9.6 14.4

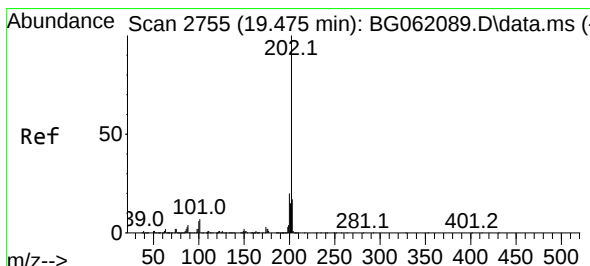
Manual Integrations
 APPROVED

Reviewed By :Jagrut
 Upadhyay



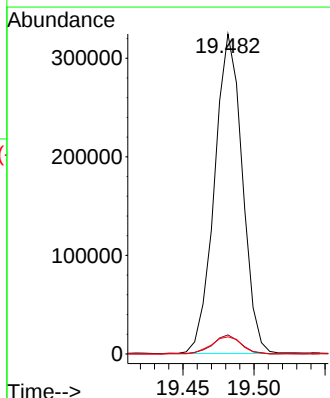
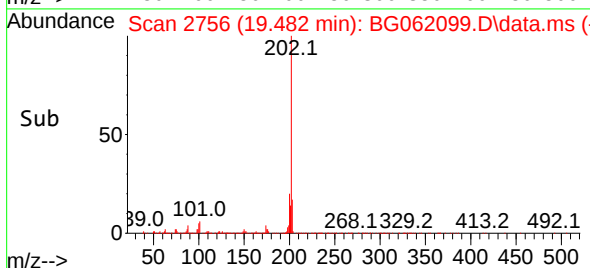
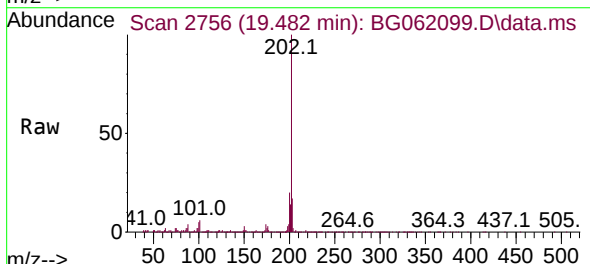
07/17/2024
 Supervised By :mohammad
 ahmed

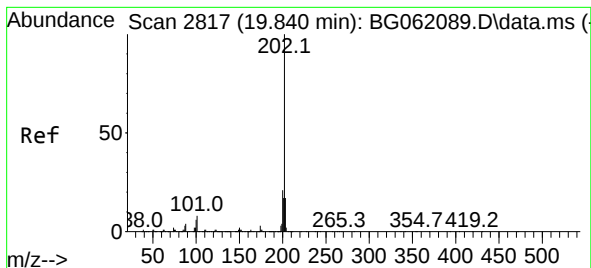
07/18/2024



#80
 Fluoranthene
 Concen: 27.027 ng/ul
 RT: 19.482 min Scan# 2756
 Delta R.T. 0.006 min
 Lab File: BG062099.D
 Acq: 16 Jul 2024 18:18

Tgt Ion:202 Resp: 440872
 Ion Ratio Lower Upper
 202 100
 101 6.0 7.4 11.2#
 100 5.3 6.6 10.0#





#82

Pyrene

Concen: 13.165 ng/ul

RT: 19.846 min Scan# 21

Delta R.T. 0.006 min

Lab File: BG062099.D

Acq: 16 Jul 2024 18:18

Instrument :

BNA_G

ClientSampleId :

A4BY1

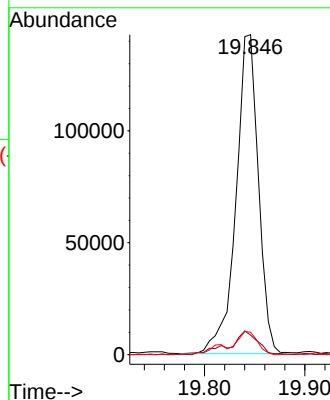
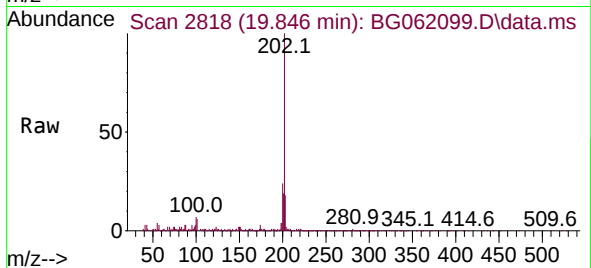
Tgt Ion:202 Resp: 22183

Ion	Ratio	Lower	Upper
202	100		
101	6.1	8.8	13.2
100	7.0	7.6	11.4

Manual Integrations

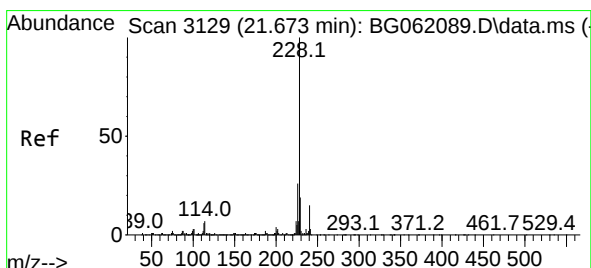
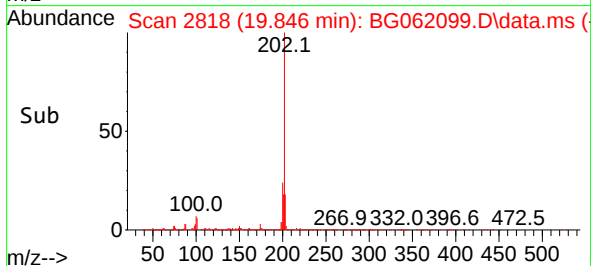
APPROVED

Reviewed By :Jagrut
Upadhyay



07/17/2024
Supervised By :mohammad
ahmed

07/18/2024



#85

Benzo(a)anthracene

Concen: 10.916 ng/ul

RT: 21.679 min Scan# 3130

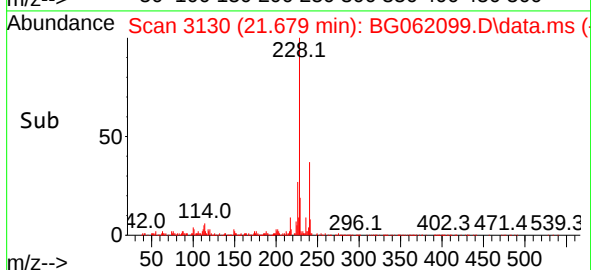
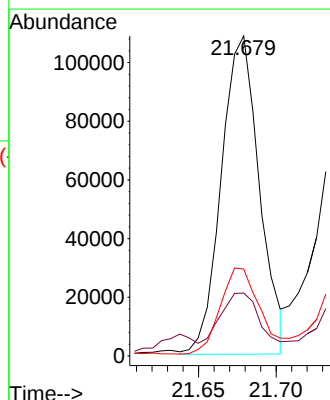
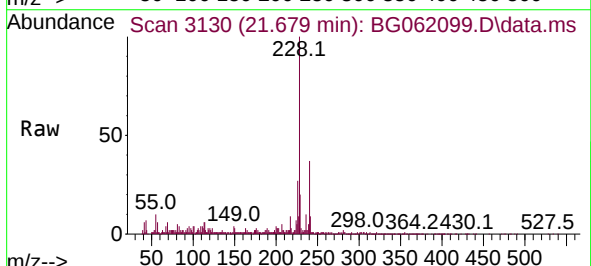
Delta R.T. 0.006 min

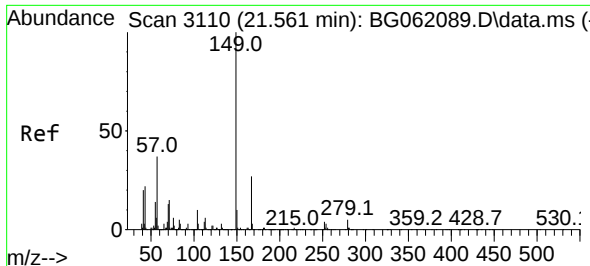
Lab File: BG062099.D

Acq: 16 Jul 2024 18:18

Tgt Ion:228 Resp: 185208

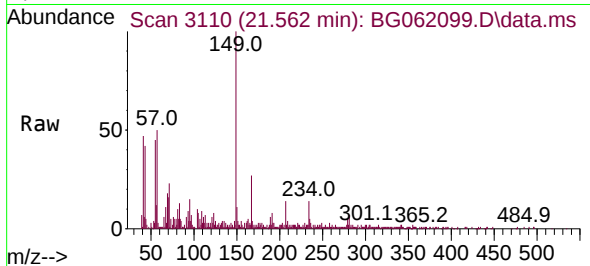
Ion	Ratio	Lower	Upper
228	100		
229	19.6	15.7	23.5
226	27.2	21.7	32.5





#86
Bis(2-ethylhexyl)phthalate
Concen: 4.971 ng/ul
RT: 21.562 min Scan# 3110
Delta R.T. 0.001 min
Lab File: BG062099.D
Acq: 16 Jul 2024 18:18

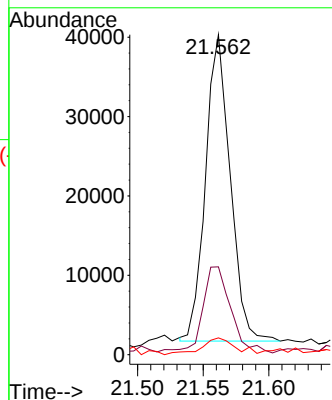
Instrument :
BNA_G
ClientSampleId :
A4BY1



Tgt Ion:149 Resp: 50440
Ion Ratio Lower Upper
149 100
167 27.5 21.7 32.5
279 5.3 2.8 4.2

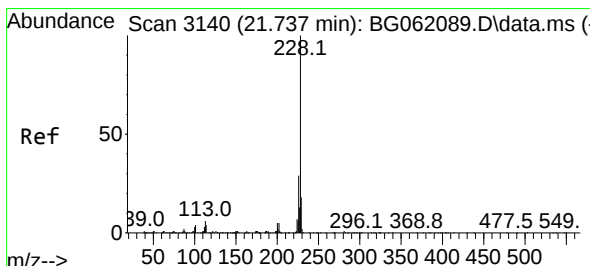
Manual Integrations
APPROVED

Reviewed By :Jagrut
Upadhyay



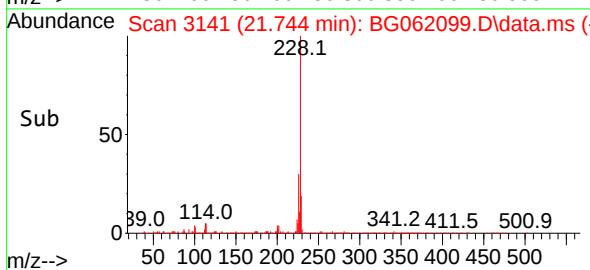
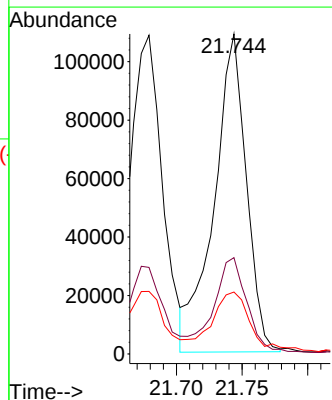
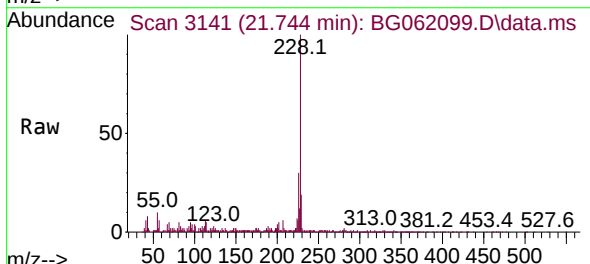
07/17/2024
Supervised By :mohammad
ahmed

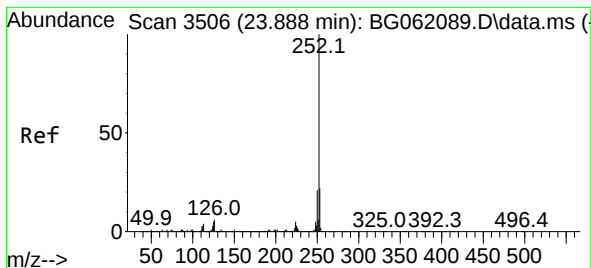
07/18/2024



#87
Chrysene
Concen: 11.693 ng/ul
RT: 21.744 min Scan# 3141
Delta R.T. 0.006 min
Lab File: BG062099.D
Acq: 16 Jul 2024 18:18

Tgt Ion:228 Resp: 185727
Ion Ratio Lower Upper
228 100
226 30.1 23.3 34.9
229 19.4 15.5 23.3





#90

Benzo(b)fluoranthene

Concen: 13.673 ng/ul

RT: 23.900 min Scan# 3506

Delta R.T. 0.012 min

Lab File: BG062099.D

Acq: 16 Jul 2024 18:18

Instrument :

BNA_G

ClientSampleId :

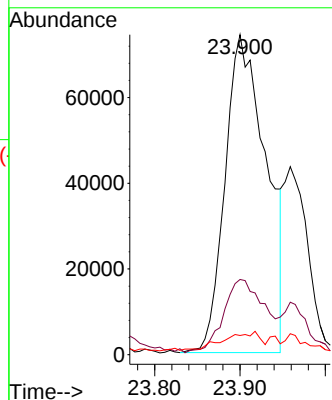
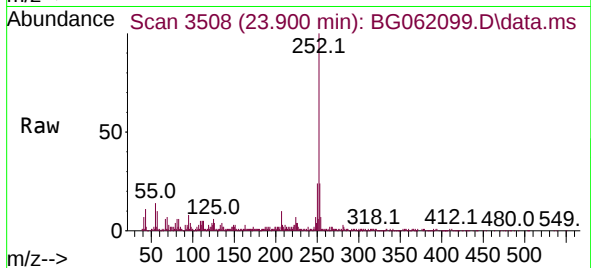
A4BY1

Tgt Ion:252 Resp: 24805

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.2	25.8
125	6.0	6.1	9.1

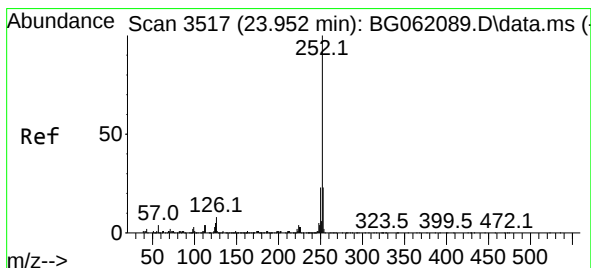
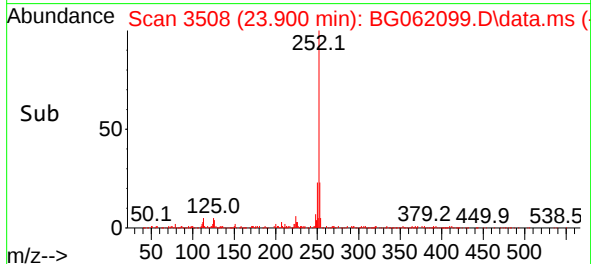
Manual Integrations
APPROVED

Reviewed By :Jagrut
Upadhyay



07/17/2024
Supervised By :mohammad
ahmed

07/18/2024



#91

Benzo(k)fluoranthene

Concen: 4.582 ng/ul m

RT: 23.959 min Scan# 3518

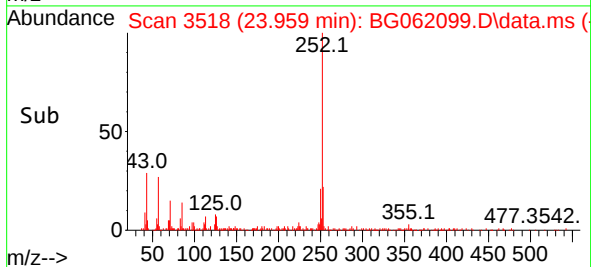
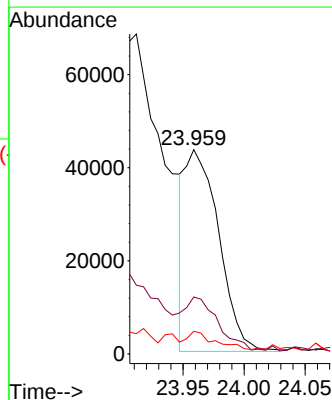
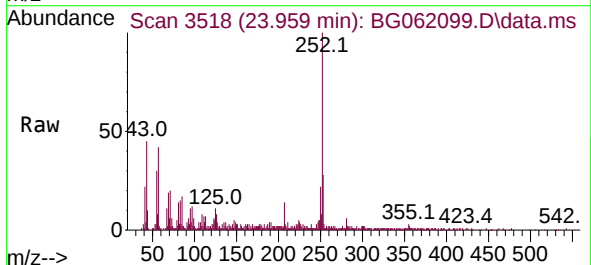
Delta R.T. 0.006 min

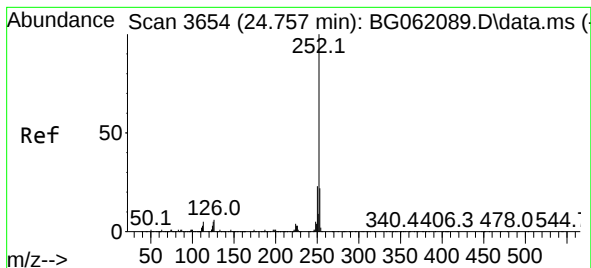
Lab File: BG062099.D

Acq: 16 Jul 2024 18:18

Tgt Ion:252 Resp: 82901

Ion	Ratio	Lower	Upper
252	100		
253	27.9	19.3	28.9
125	11.1	6.3	9.5





#93

Benzo(a)pyrene

Concen: 3.730 ng/ul m

RT: 24.775 min Scan# 3

Delta R.T. 0.018 min

Lab File: BG062099.D

Acq: 16 Jul 2024 18:18

Instrument :

BNA_G

ClientSampleId :

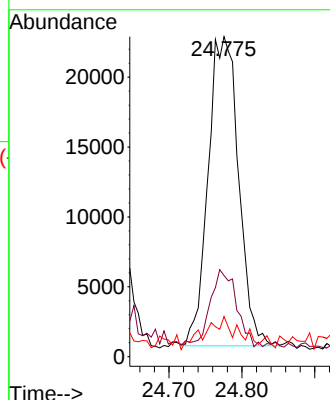
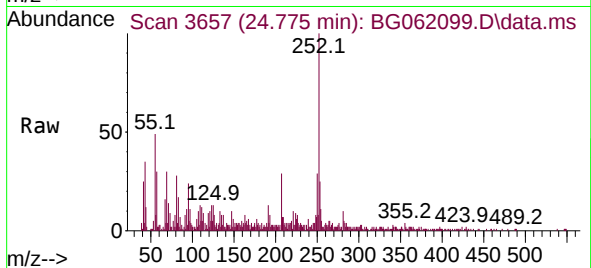
A4BY1

Tgt Ion:	252	Resp:	6407
Ion Ratio	Lower	Upper	
252	100		
253	25.3	16.5	24.7
125	12.5	7.4	11.2

Manual Integrations

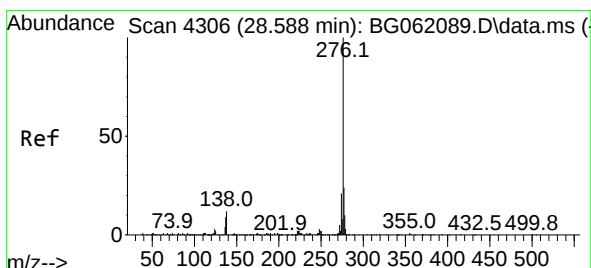
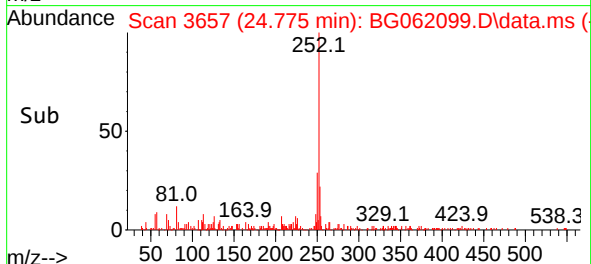
APPROVED

Reviewed By :Jagrut
Upadhyay



07/17/2024
Supervised By :mohammad
ahmed

07/18/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 2.736 ng/ul m

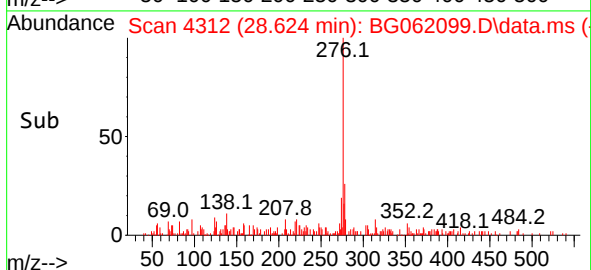
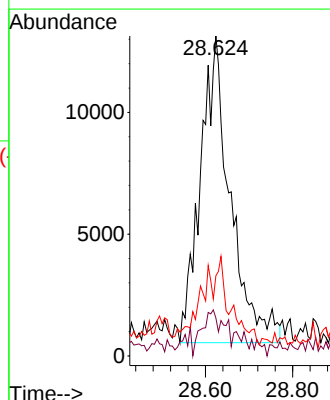
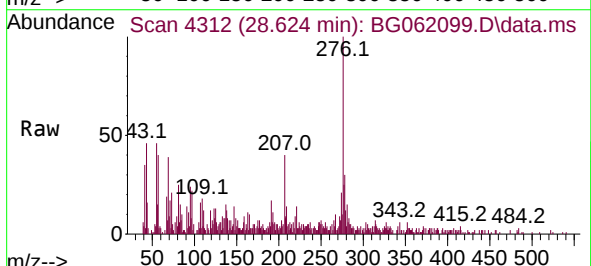
RT: 28.624 min Scan# 4312

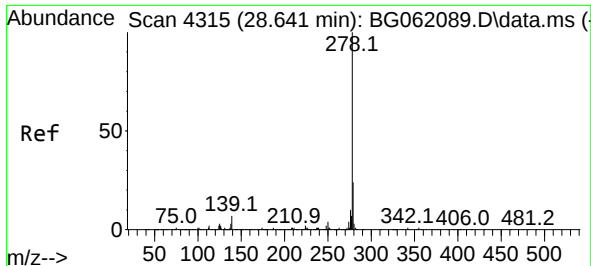
Delta R.T. 0.036 min

Lab File: BG062099.D

Acq: 16 Jul 2024 18:18

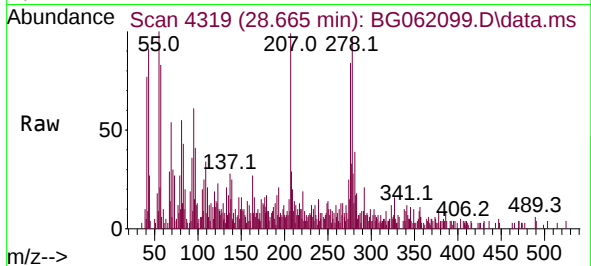
Tgt Ion:	276	Resp:	60068
Ion Ratio	Lower	Upper	
276	100		
138	11.9	11.9	17.9
277	25.0	19.3	28.9





#95
 Dibenzo(a,h)anthracene
 Concen: 1.721 ng/ul m
 RT: 28.665 min Scan# 41
 Delta R.T. 0.024 min
 Lab File: BG062099.D
 Acq: 16 Jul 2024 18:18

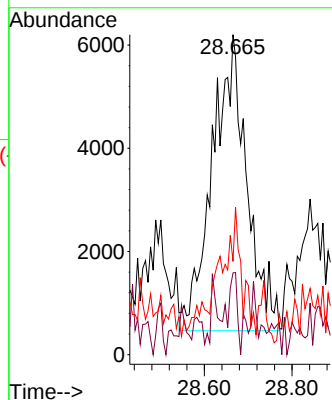
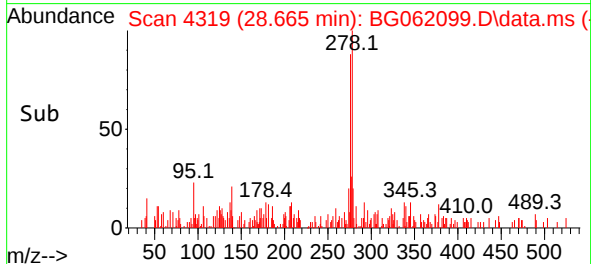
Instrument :
 BNA_G
 ClientSampleId :
 A4BY1



Tgt Ion:	278	Resp:	3120
Ion Ratio	Lower	Upper	
278	100		
139	25.5	7.6	11.4
279	29.2	18.8	28.2

Manual Integrations
 APPROVED

Reviewed By :Jagrut
 Upadhyay



07/17/2024
 Supervised By :mohammad
 ahmed

07/18/2024