

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060424\
 Data File : BG061478.D
 Acq On : 5 Jun 2024 7:17
 Operator : MA/JU
 Sample : P2589-04DL 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BH5W5DL

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 07:52:28 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	7.876	152	34436	20.000	ng/u1	0.00
20) Naphthalene-d8	10.667	136	138602	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.509	164	102560	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.265	188	228707	20.000	ng/u1	0.00
79) Chrysene-d12	21.524	240	249164	20.000	ng/u1	0.01
88) Perylene-d12	24.615	264	290031	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.000	96	0d	0.000	ng/uL	
4) Pyridine-d5	3.739	84	6530	2.983	ng/u1	0.00
7) Phenol-d5	7.065	99	17989	6.361	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.206	67	10910	6.138	ng/u1	0.00
11) 2-Chlorophenol-d4	7.417	132	15053	7.192	ng/u1	0.00
15) 4-Methylphenol-d8	8.598	113	15040	6.237	ng/u1	0.00
21) Nitrobenzene-d5	9.027	128	7960	7.459	ng/u1	0.00
24) 2-Nitrophenol-d4	9.756	143	8493	6.800	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.314	165	18105	7.436	ng/u1	0.01
31) 4-Chloroaniline-d4	10.808	131	6977	2.190	ng/u1	0.00
46) Dimethylphthalate-d6	13.916	166	58712	7.381	ng/u1	0.00
49) Acenaphthylene-d8	14.204	160	63464	7.674	ng/u1	0.00
54) 4-Nitrophenol-d4	14.768	143	4024m	4.092	ng/u1	0.03
60) Fluorene-d10	15.508	176	49734	7.242	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.661	200	4195m	3.033	ng/u1	0.02
73) Anthracene-d10	17.359	188	80461	7.980	ng/u1	0.00
81) Pyrene-d10	19.656	212	97578	7.627	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.403	264	107316	7.696	ng/u1	0.02
Target Compounds						
					Qvalue	
50) Acenaphthylene	14.233	152	13633m	1.487	ng/u1	
61) Fluorene	15.561	166	10824	1.454	ng/u1	93
72) Phenanthrene	17.306	178	338136	30.461	ng/u1	99
74) Anthracene	17.394	178	41547	3.620	ng/u1	99
77) Carbazole	17.670	167	26179	2.804	ng/u1	92
80) Fluoranthene	19.327	202	924211	60.219	ng/u1	100
82) Pyrene	19.691	202	846229	53.119	ng/u1	98
85) Benzo(a)anthracene	21.501	228	541910	31.520	ng/u1	99
87) Chrysene	21.566	228	544574	34.400	ng/u1	97
90) Benzo(b)fluoranthene	23.645	252	746755	43.244	ng/u1	100
91) Benzo(k)fluoranthene	23.698	252	278376m	15.880	ng/u1	
93) Benzo(a)pyrene	24.474	252	538403	32.835	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	28.140	276	374600	18.891	ng/u1	100
95) Dibenzo(a,h)anthracene	28.158	278	93661m	5.728	ng/u1	
96) Benzo(g,h,i)perylene	29.221	276	286605	18.168	ng/u1	99

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

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BNA_G

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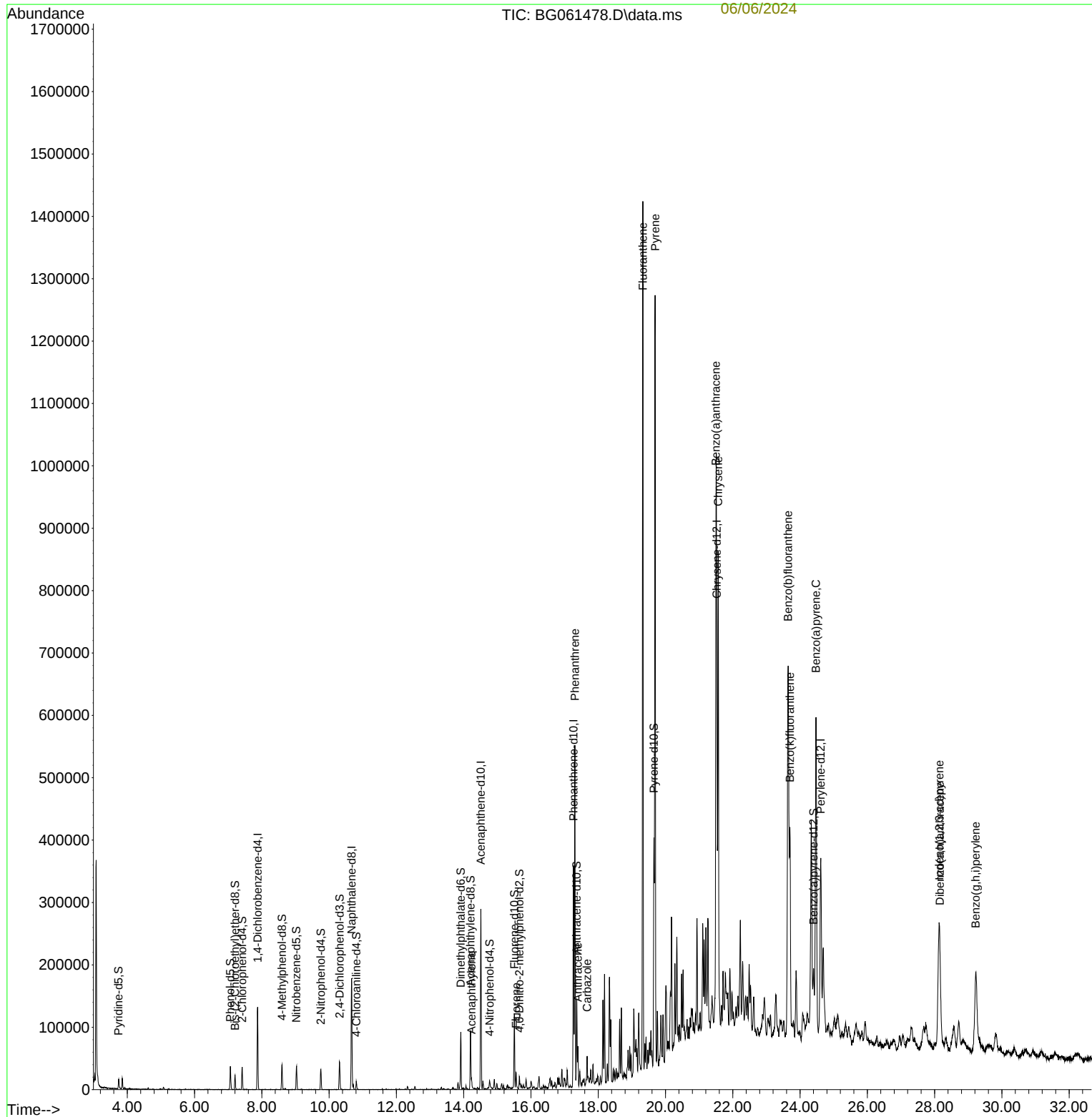
BH5W5DL

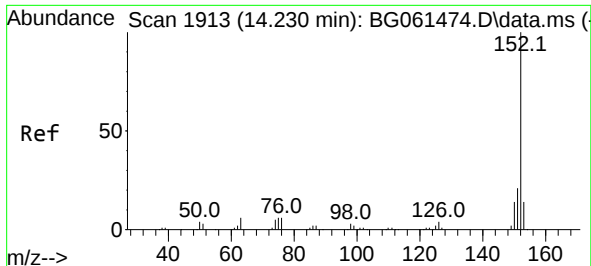
Manual Integrations

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 Supervised By :mohammad ahmed 06/07/2024

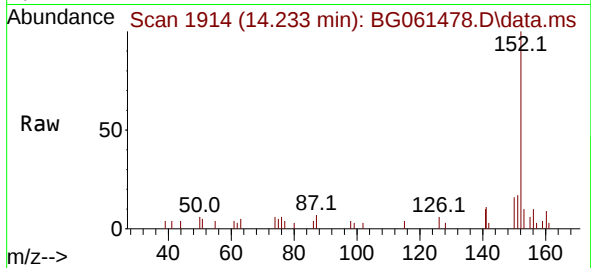
Supervised By :mohammad
 ahmed
 06/06/2024





#50
Acenaphthylene
Concen: 1.487 ng/ul m
RT: 14.233 min Scan# 1913
Delta R.T. 0.001 min
Lab File: BG061478.D
Acq: 5 Jun 2024 7:17

Instrument :
BNA_G
ClientSampleId :
BH5W5DL

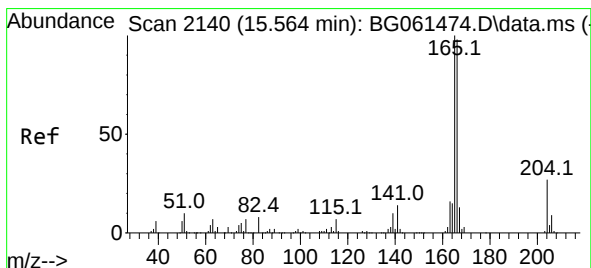
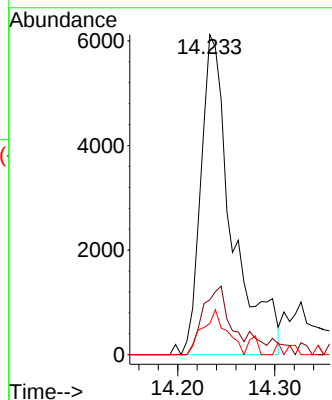


Tgt Ion:152 Resp: 1363
Ion Ratio Lower Upper
152 100
151 17.1 16.2 24.2
153 9.7 10.2 15.4

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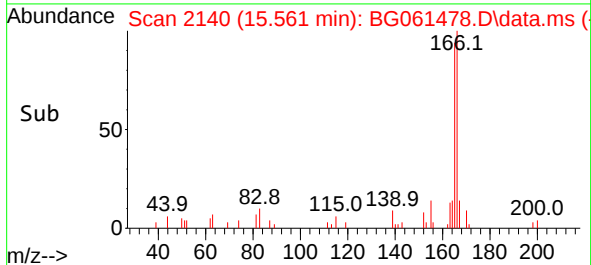
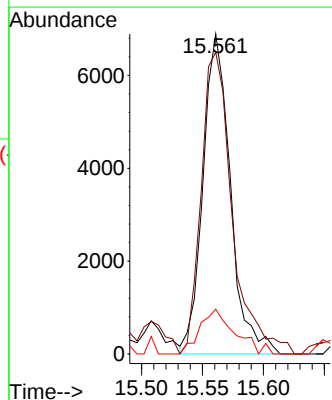
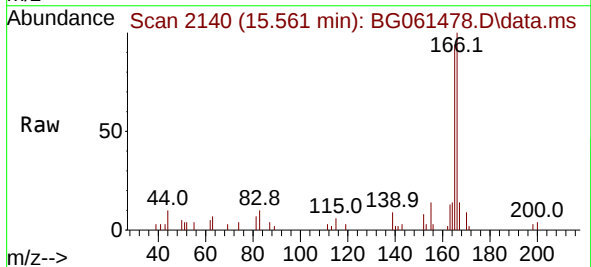
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

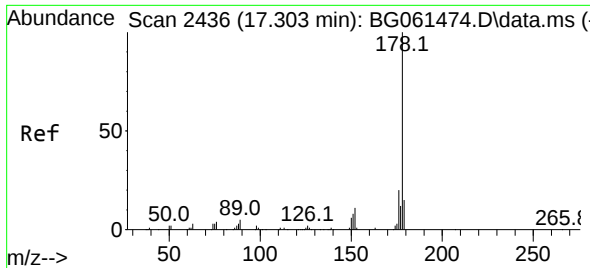
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ahmed
06/06/2024



#61
Fluorene
Concen: 1.454 ng/ul
RT: 15.561 min Scan# 2140
Delta R.T. 0.001 min
Lab File: BG061478.D
Acq: 5 Jun 2024 7:17

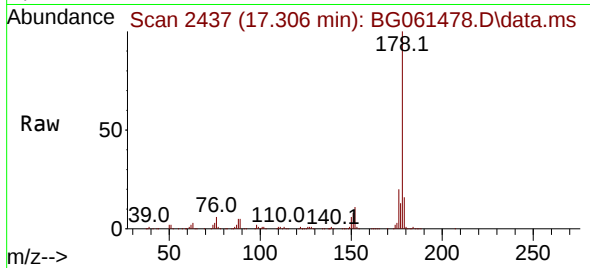
Tgt Ion:166 Resp: 10824
Ion Ratio Lower Upper
166 100
165 94.3 81.8 122.8
167 14.0 10.6 16.0





#72
Phenanthrene
Concen: 30.461 ng/u1
RT: 17.306 min Scan# 2436
Delta R.T. 0.006 min
Lab File: BG061478.D
Acq: 5 Jun 2024 7:17

Instrument :
BNA_G
ClientSampleId :
BH5W5DL

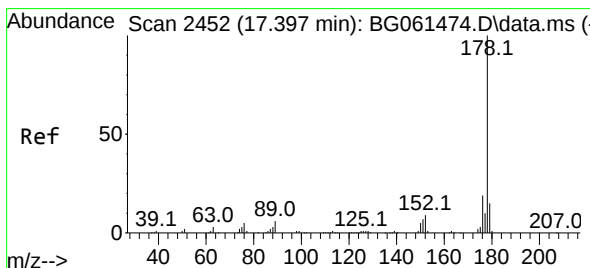
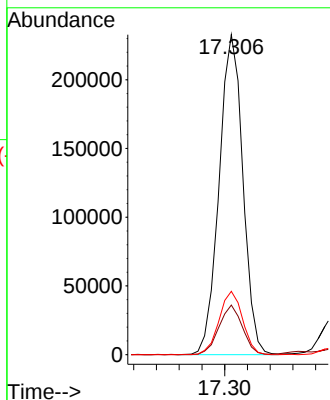
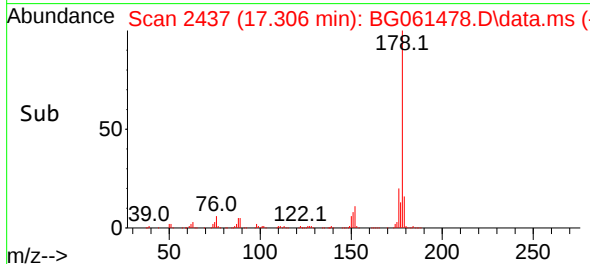


Tgt Ion:178 Resp: 338136
Ion Ratio Lower Upper
178 100
179 15.5 12.7 19.1
176 19.8 15.5 23.3

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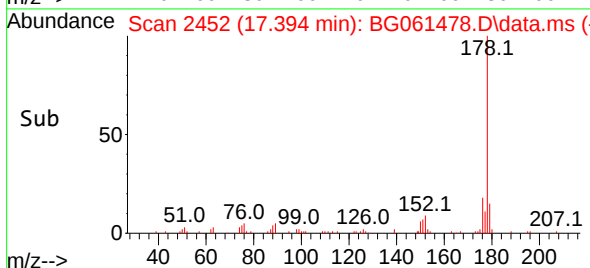
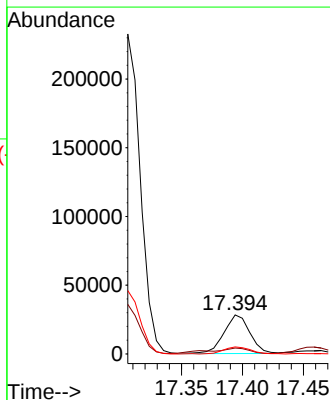
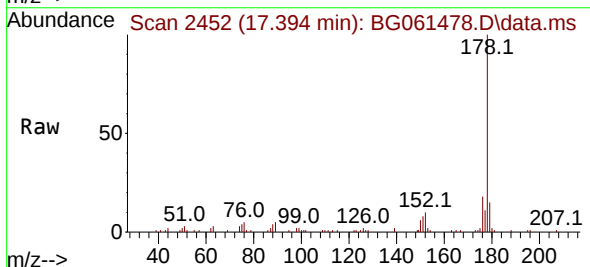
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

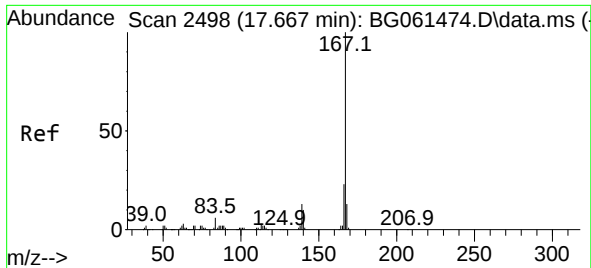
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#74
Anthracene
Concen: 3.620 ng/u1
RT: 17.394 min Scan# 2452
Delta R.T. 0.001 min
Lab File: BG061478.D
Acq: 5 Jun 2024 7:17

Tgt Ion:178 Resp: 41547
Ion Ratio Lower Upper
178 100
179 15.1 11.8 17.6
176 18.1 14.9 22.3





#77
 Carbazole
 Concen: 2.804 ng/ul
 RT: 17.670 min Scan# 2499
 Delta R.T. 0.006 min
 Lab File: BG061478.D
 Acq: 5 Jun 2024 7:17

Instrument :

BNA_G

ClientSampleId :

BH5W5DL

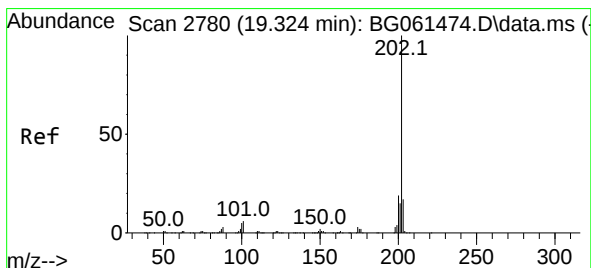
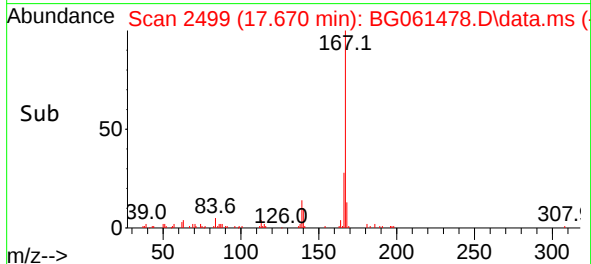
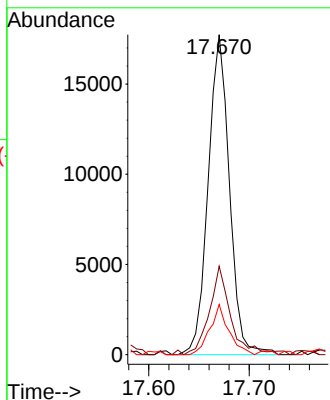
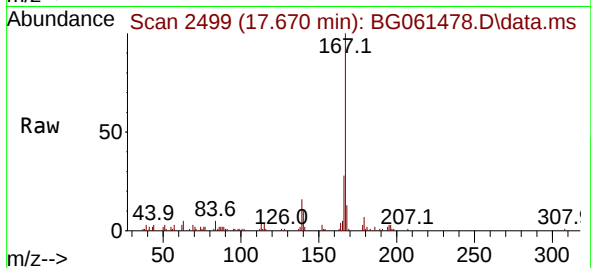
Tgt Ion	Ratio	Lower	Upper
167	100		
166	27.7	18.6	28.0
139	15.7	10.6	15.8

Manual Integrations

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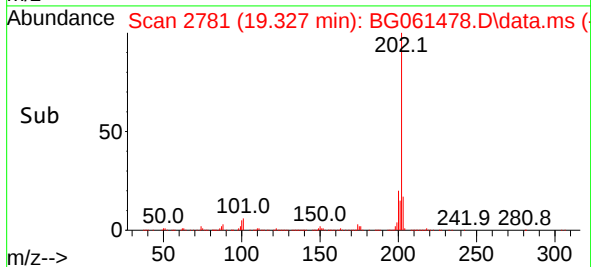
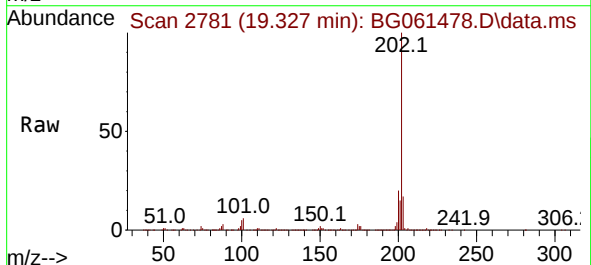
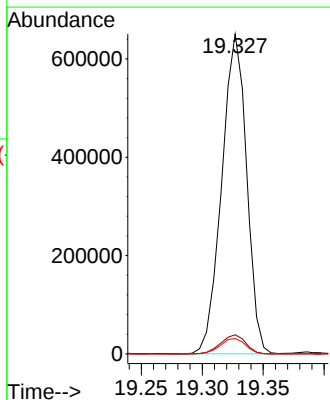
Reviewed By :Jagrut Upadhyay 06/05/2024
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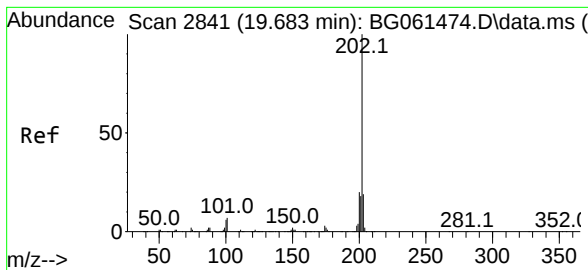
Supervised By :mohammad
 ahmed
 06/06/2024



#80
 Fluoranthene
 Concen: 60.219 ng/ul
 RT: 19.327 min Scan# 2781
 Delta R.T. 0.012 min
 Lab File: BG061478.D
 Acq: 5 Jun 2024 7:17

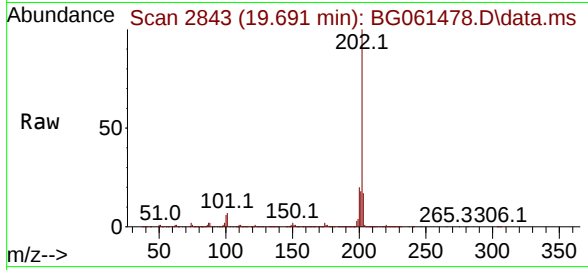
Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.0	4.8	7.2
100	4.8	4.1	6.1





#82
 Pyrene
 Concen: 53.119 ng/ul
 RT: 19.691 min Scan# 2843
 Delta R.T. 0.012 min
 Lab File: BG061478.D
 Acq: 5 Jun 2024 7:17

Instrument :
 BNA_G
 ClientSampleId :
 BH5W5DL



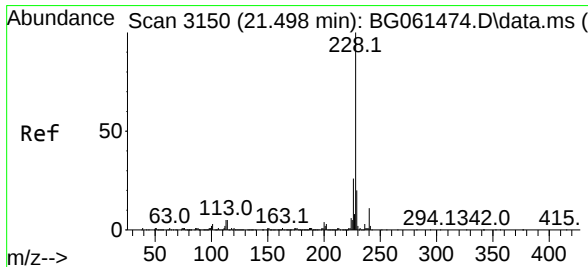
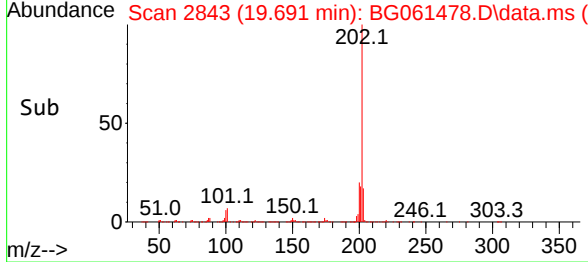
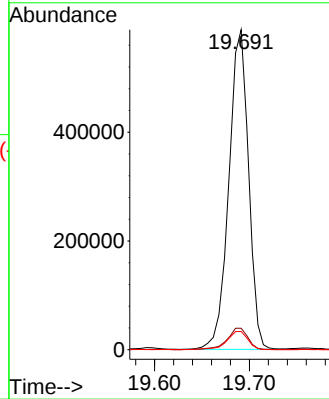
Tgt Ion: 202 Resp: 846229

Ion	Ratio	Lower	Upper
202	100		
101	6.7	5.7	8.5
100	5.7	5.1	7.7

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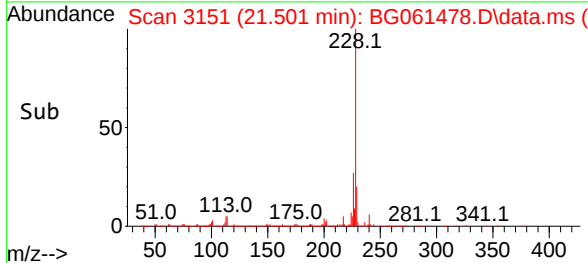
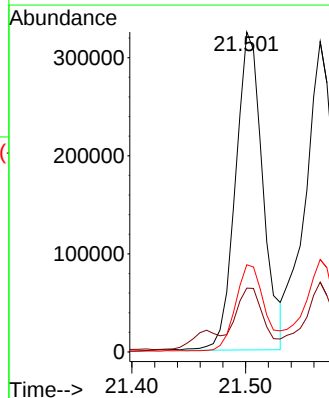
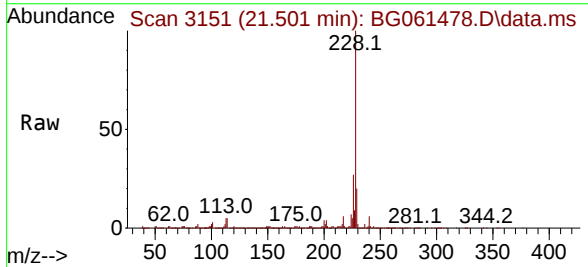
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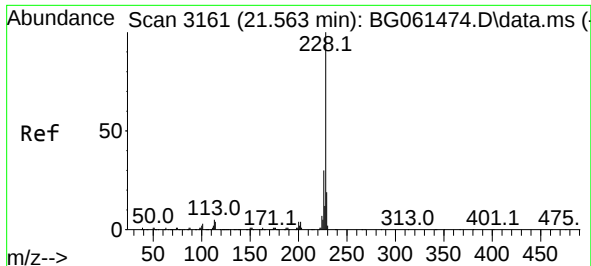


#85
 Benzo(a)anthracene
 Concen: 31.520 ng/ul
 RT: 21.501 min Scan# 3151
 Delta R.T. 0.006 min
 Lab File: BG061478.D
 Acq: 5 Jun 2024 7:17

Tgt Ion: 228 Resp: 541910

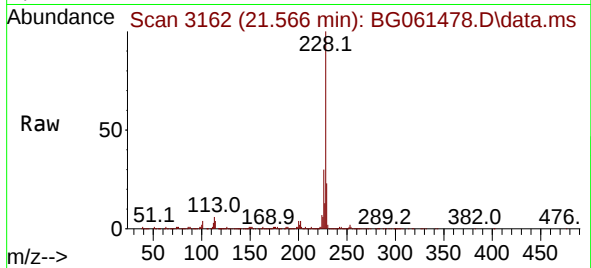
Ion	Ratio	Lower	Upper
228	100		
229	19.9	15.2	22.8
226	27.2	21.4	32.2





#87
Chrysene
Concen: 34.400 ng/u1
RT: 21.566 min Scan# 3161
Delta R.T. 0.012 min
Lab File: BG061478.D
Acq: 5 Jun 2024 7:17

Instrument :
BNA_G
ClientSampleId :
BH5W5DL

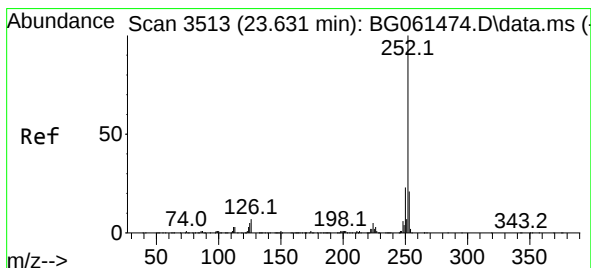
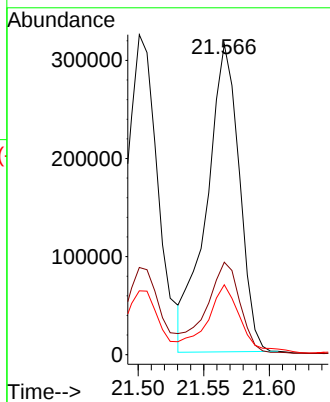
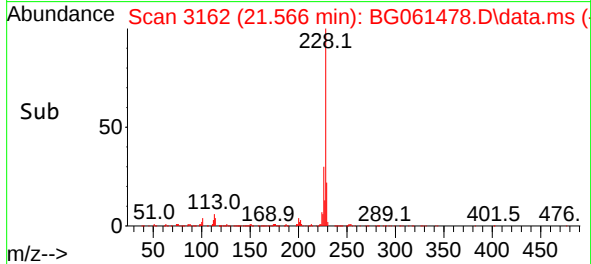


Tgt Ion:228 Resp: 544574
Ion Ratio Lower Upper
228 100
226 29.8 23.4 35.0
229 22.5 15.4 23.2

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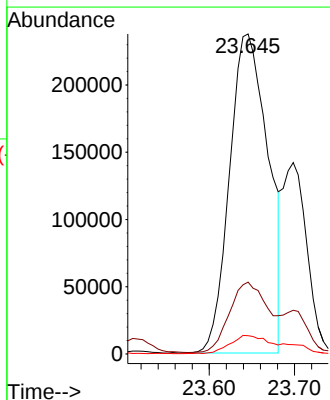
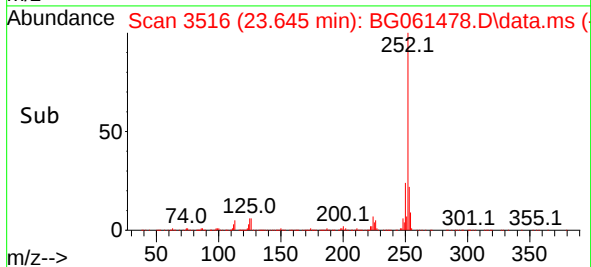
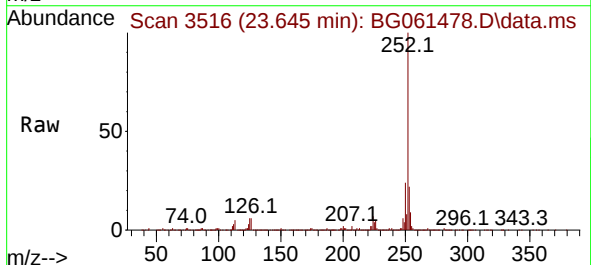
Reviewed By :Jagrut Upadhyay 06/05/2024
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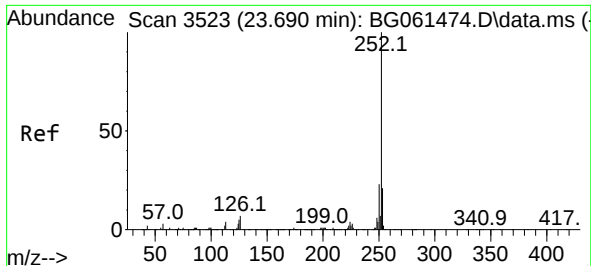
Supervised By :mohammad
ahmed
06/06/2024



#90
Benzo(b)fluoranthene
Concen: 43.244 ng/u1
RT: 23.645 min Scan# 3516
Delta R.T. 0.030 min
Lab File: BG061478.D
Acq: 5 Jun 2024 7:17

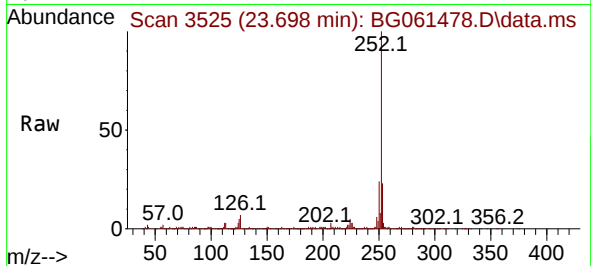
Tgt Ion:252 Resp: 746755
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.8
125 5.7 4.6 6.8





#91
Benzo(k)fluoranthene
Concen: 15.880 ng/ul m
RT: 23.698 min Scan# 3523
Delta R.T. 0.018 min
Lab File: BG061478.D
Acq: 5 Jun 2024 7:17

Instrument :
BNA_G
ClientSampleId :
BH5W5DL

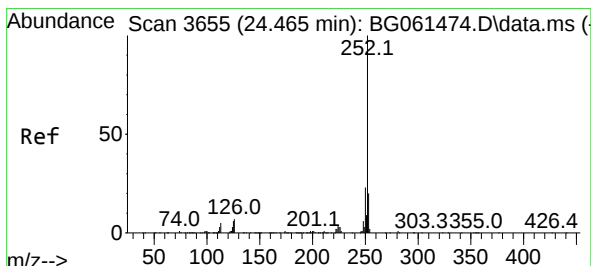
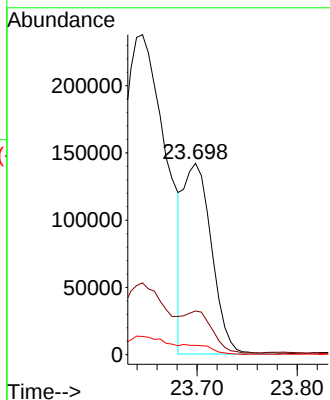
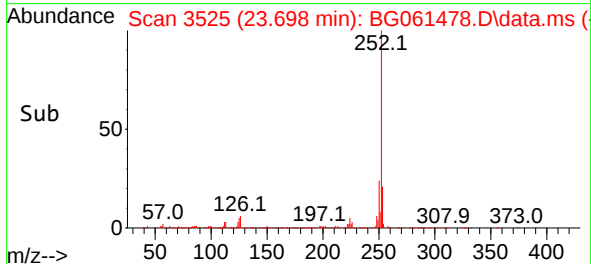


Tgt Ion:252 Resp: 278370
Ion Ratio Lower Upper
252 100
253 22.9 16.0 24.0
125 4.8 4.3 6.5

Manual Integrations
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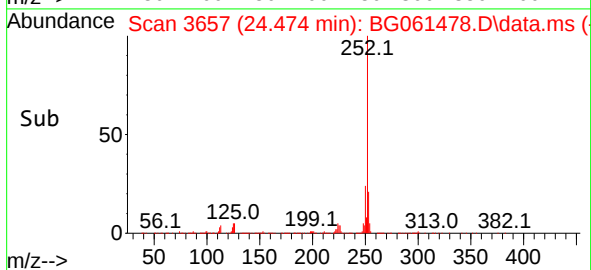
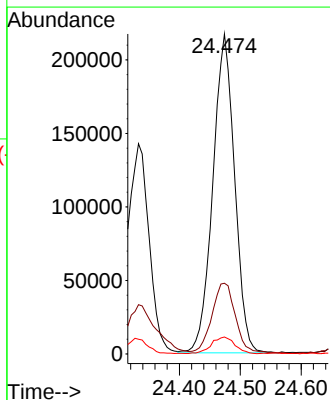
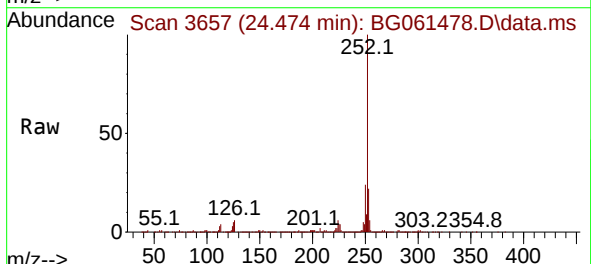
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Supervised By :mohammad ahmed 06/07/2024

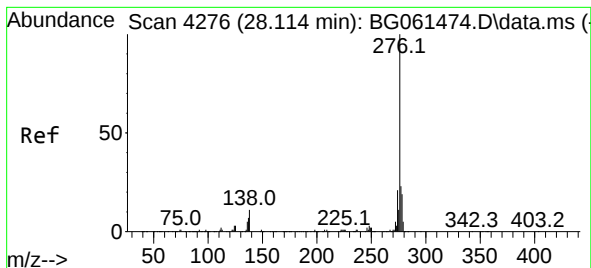
Supervised By :mohammad
ahmed
06/06/2024



#93
Benzo(a)pyrene
Concen: 32.835 ng/ul
RT: 24.474 min Scan# 3657
Delta R.T. 0.024 min
Lab File: BG061478.D
Acq: 5 Jun 2024 7:17

Tgt Ion:252 Resp: 538403
Ion Ratio Lower Upper
252 100
253 22.1 16.4 24.6
125 5.3 4.3 6.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 18.891 ng/ul

RT: 28.140 min Scan# 4281

Delta R.T. 0.048 min

Lab File: BG061478.D

Acq: 5 Jun 2024 7:17

Instrument :

BNA_G

ClientSampleId :

BH5W5DL

Tgt Ion:276 Resp: 374600

Ion Ratio Lower Upper

276 100

138 11.1 8.6 13.0

277 24.5 19.7 29.5

Manual Integrations

APPROVED

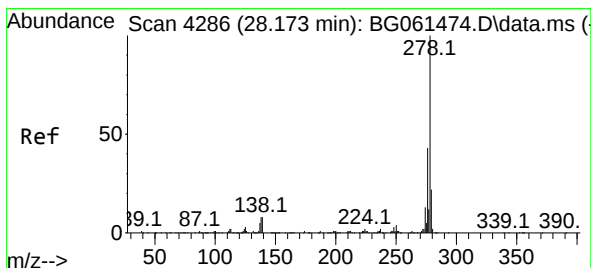
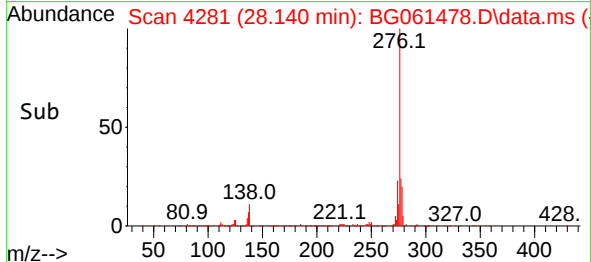
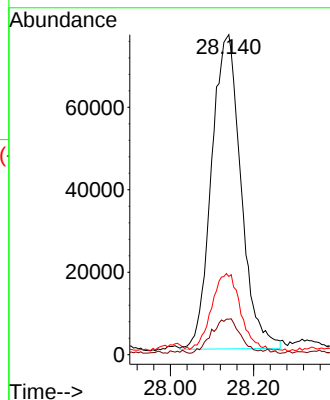
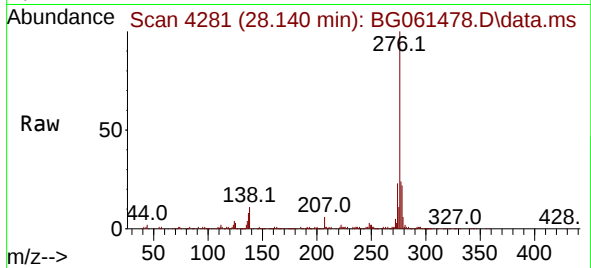
Reviewed By :Jagrut Upadhyay 06/05/2024

Supervised By :mohammad ahmed 06/07/2024

Supervised By :mohammad

ahmed

06/06/2024



#95

Dibenzo(a,h)anthracene

Concen: 5.728 ng/ul m

RT: 28.158 min Scan# 4284

Delta R.T. 0.018 min

Lab File: BG061478.D

Acq: 5 Jun 2024 7:17

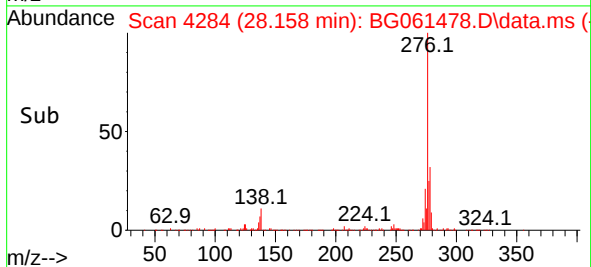
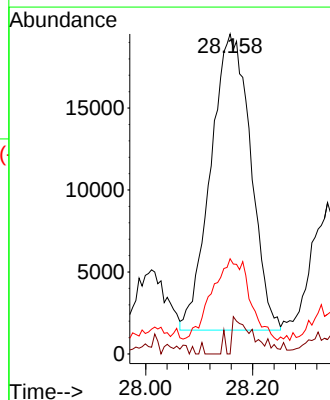
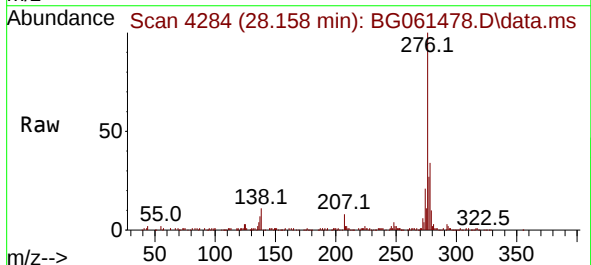
Tgt Ion:278 Resp: 93661

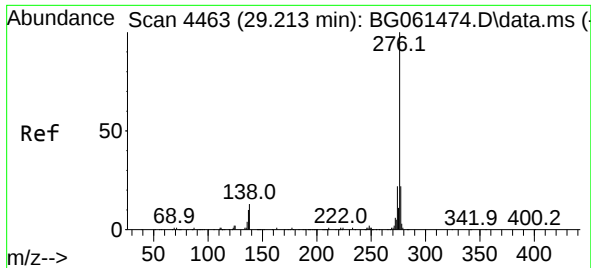
Ion Ratio Lower Upper

278 100

139 0.0 6.4 9.6#

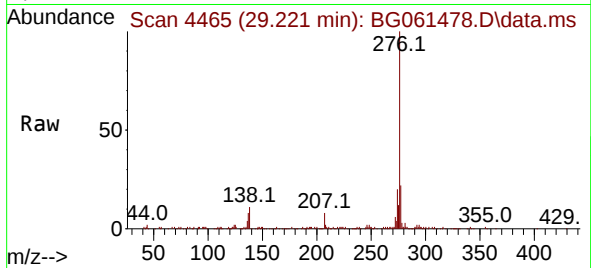
279 29.8 19.9 29.9





#96
Benzo(g,h,i)perylene
Concen: 18.168 ng/ul
RT: 29.221 min Scan# 4465
Delta R.T. 0.048 min
Lab File: BG061478.D
Acq: 5 Jun 2024 7:17

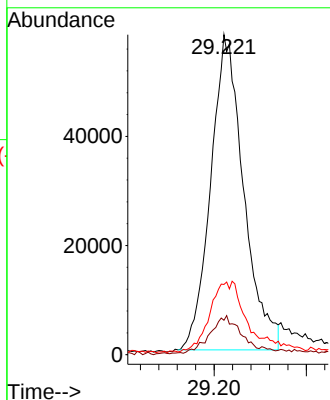
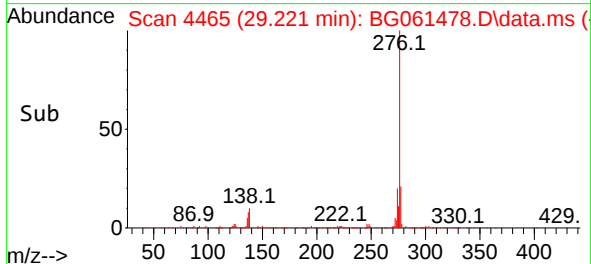
Instrument :
BNA_G
ClientSampleId :
BH5W5DL



Tgt Ion:276 Resp: 286609
Ion Ratio Lower Upper
276 100
138 10.7 8.7 13.1
277 22.0 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