

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053024\
 Data File : BG061369.D
 Acq On : 30 May 2024 21:17
 Operator : MA/JU
 Sample : P2570-08
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BH6B6

Manual Integrations
 APPROVED

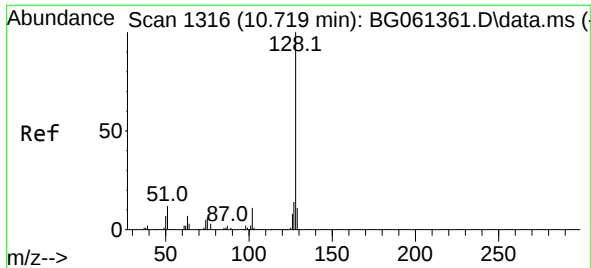
Reviewed By :Jagrut Upadhyay 05/31/2024
 Supervised By :mohammad ahmed 06/01/2024

Quant Time: May 30 23:17:16 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)

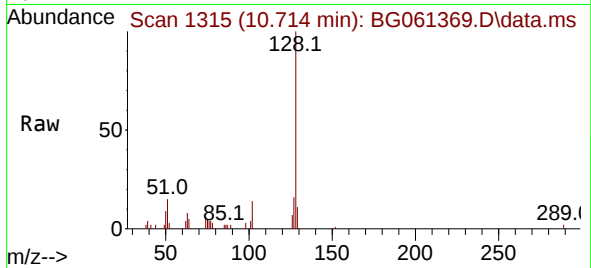
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.870	152	25114	20.000	ng/u1	0.00
20) Naphthalene-d8	10.667	136	95670	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.510	164	77735	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.259	188	179763	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.513	240	187550	20.000	ng/u1	0.00
88) Perylene-d12	24.592	264	204519	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.329	96	2340m	5.214	ng/uL	0.00
4) Pyridine-d5	3.740	84	22375	14.015	ng/u1	0.00
7) Phenol-d5	7.054	99	45826	22.220	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.201	67	28514	21.997	ng/u1	0.00
11) 2-Chlorophenol-d4	7.412	132	37348	24.469	ng/u1	0.00
15) 4-Methylphenol-d8	8.593	113	32348	18.395	ng/u1	0.00
21) Nitrobenzene-d5	9.028	128	19607	26.619	ng/u1	0.00
24) 2-Nitrophenol-d4	9.751	143	22828	26.481	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.297	165	44836	26.678	ng/u1	0.00
31) 4-Chloroaniline-d4	10.796	131	30766	13.993	ng/u1	0.00
46) Dimethylphthalate-d6	13.916	166	159204	26.407	ng/u1	0.00
49) Acenaphthylene-d8	14.198	160	170242	27.161	ng/u1	0.00
54) 4-Nitrophenol-d4	14.745	143	14820	19.883	ng/u1	0.00
60) Fluorene-d10	15.503	176	135621	26.055	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.638	200	22044	20.275	ng/u1	0.00
73) Anthracene-d10	17.359	188	215166	27.150	ng/u1	0.00
81) Pyrene-d10	19.651	212	269231	27.958	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.386	264	272282	27.692	ng/u1	0.00
Target Compounds					Qvalue	
30) Naphthalene	10.714	128	18473	3.658	ng/u1	97
36) 2-Methylnaphthalene	12.324	142	12084	3.300	ng/u1	96
37) 1-Methylnaphthalene	12.541	142	10515	2.798	ng/u1	84
52) Acenaphthene	14.568	153	52522	11.519	ng/u1	95
56) Dibenzofuran	14.903	168	50642	7.768	ng/u1	100
61) Fluorene	15.555	166	51965	9.213	ng/u1	100
72) Phenanthrene	17.300	178	719849	82.505	ng/u1	99
74) Anthracene	17.394	178	155423	17.229	ng/u1	99
77) Carbazole	17.665	167	64288	8.761	ng/u1	98
80) Fluoranthene	19.316	202	764643	66.190	ng/u1	100
82) Pyrene	19.680	202	681861	56.863	ng/u1	100
85) Benzo(a)anthracene	21.490	228	362820	28.036	ng/u1	96
87) Chrysene	21.554	228	325927	27.352	ng/u1	95
90) Benzo(b)fluoranthene	23.622	252	333672	27.402	ng/u1	97
91) Benzo(k)fluoranthene	23.675	252	144153m	11.661	ng/u1	
93) Benzo(a)pyrene	24.451	252	263690	22.805	ng/u1	95
94) Indeno(1,2,3-cd)pyrene	28.094	276	160916	11.508	ng/u1	96
95) Dibenzo(a,h)anthracene	28.129	278	45335m	3.932	ng/u1	
96) Benzo(g,h,i)perylene	29.187	276	150393	13.520	ng/u1	98

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



#30
Naphthalene
Concen: 3.658 ng/ul
RT: 10.714 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG061369.D
Acq: 30 May 2024 21:17

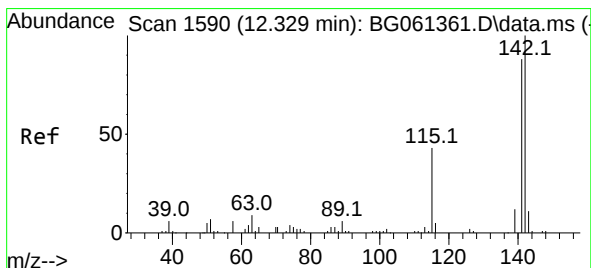
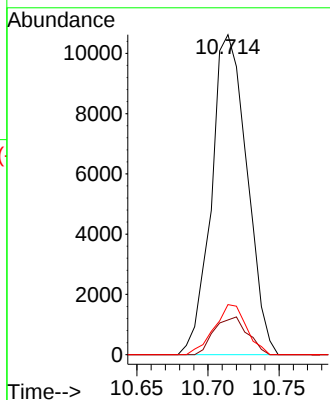
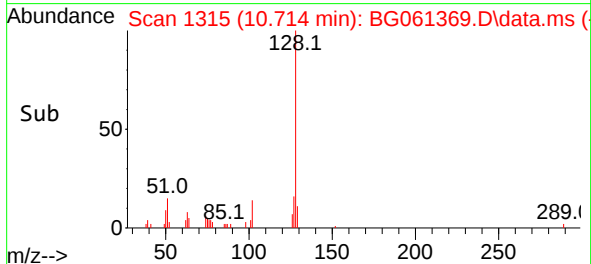
Instrument :
BNA_G
ClientSampleId :
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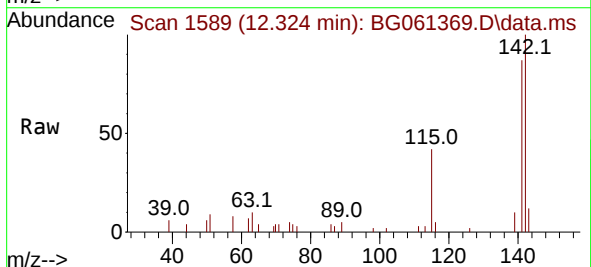
Tgt Ion:128 Resp: 1847
Ion Ratio Lower Upper
128 100
129 10.8 8.6 12.8
127 15.6 10.8 16.2

Manual Integrations
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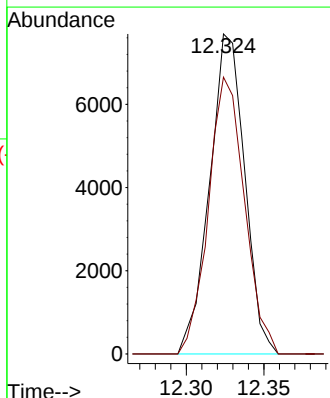
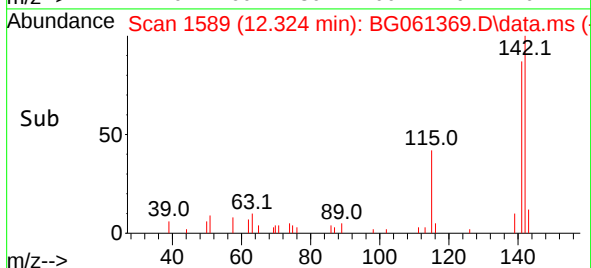
Reviewed By :Jagrut Upadhyay 05/31/2024
Supervised By :mohammad ahmed 06/01/2024

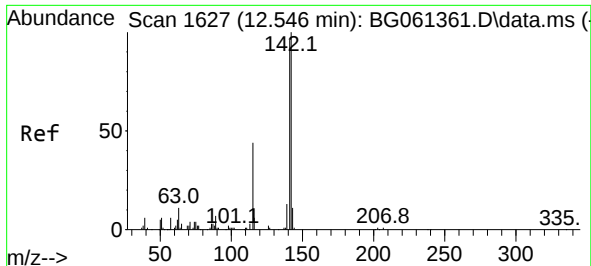


#36
2-Methylnaphthalene
Concen: 3.300 ng/ul
RT: 12.324 min Scan# 1589
Delta R.T. -0.005 min
Lab File: BG061369.D
Acq: 30 May 2024 21:17



Tgt Ion:142 Resp: 12084
Ion Ratio Lower Upper
142 100
141 86.5 72.2 108.2





#37

1-Methylnaphthalene

Concen: 2.798 ng/ul

RT: 12.541 min Scan# 1

Delta R.T. -0.005 min

Lab File: BG061369.D

Acq: 30 May 2024 21:17

Instrument :

BNA_G

ClientSampleId :

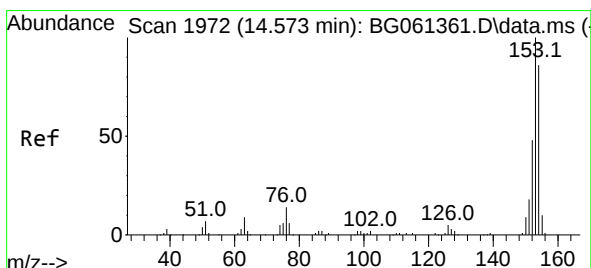
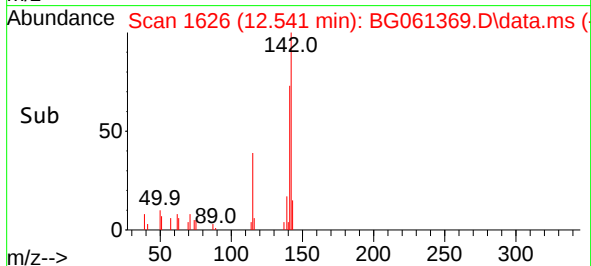
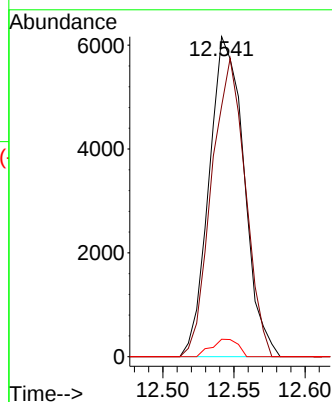
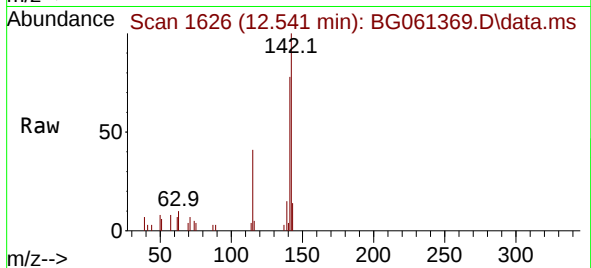
BH6B6

Tgt Ion:	142	Resp:	1051
Ion Ratio	Lower	Upper	
142	100		
141	78.4	75.5	113.3
116	5.5	4.0	6.0

Manual Integrations

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Supervised By :mohammad ahmed 06/01/2024



#52

Acenaphthene

Concen: 11.519 ng/ul

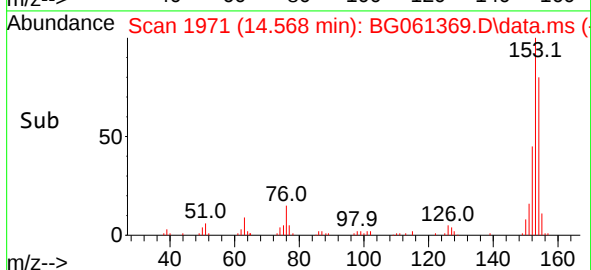
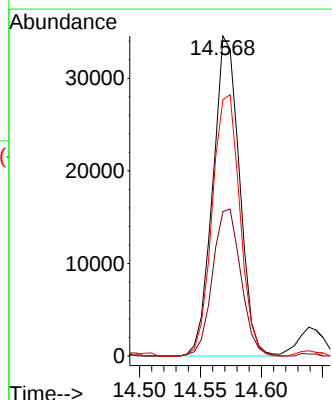
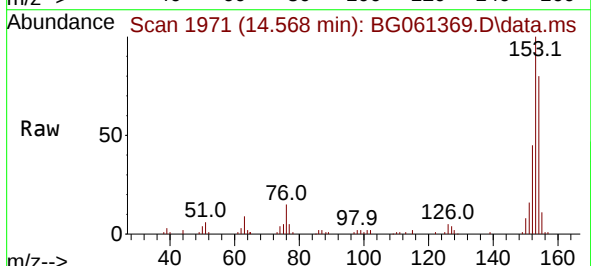
RT: 14.568 min Scan# 1971

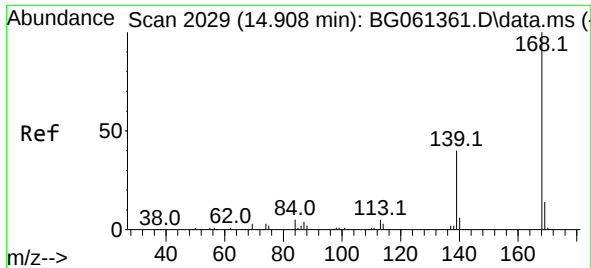
Delta R.T. -0.005 min

Lab File: BG061369.D

Acq: 30 May 2024 21:17

Tgt Ion:	153	Resp:	52522
Ion Ratio	Lower	Upper	
153	100		
152	45.1	37.8	56.8
154	80.1	69.0	103.6





#56
Dibenzenofuran
Concen: 7.768 ng/ul
RT: 14.903 min Scan# 2029
Delta R.T. -0.005 min
Lab File: BG061369.D
Acq: 30 May 2024 21:17

Instrument :

BNA_G

ClientSampleId :

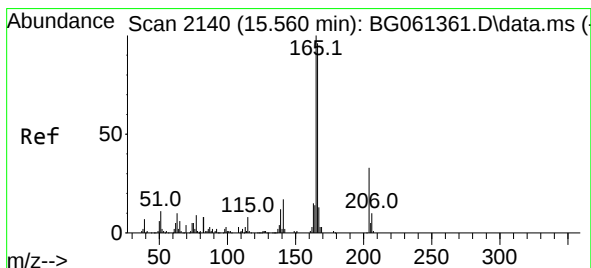
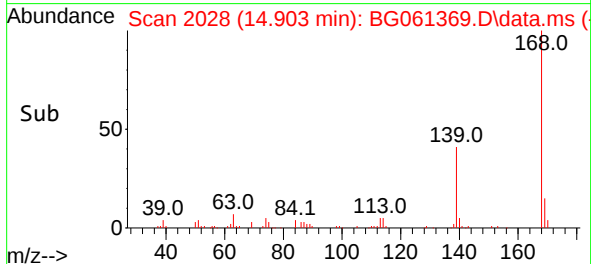
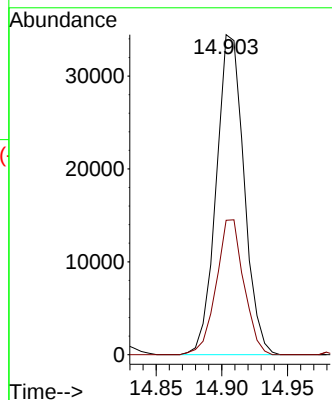
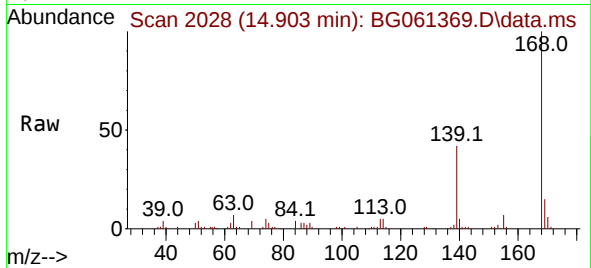
BH6B6

Tgt Ion:168 Resp: 5064
Ion Ratio Lower Upper
168 100
139 42.0 33.4 50.2

Manual Integrations

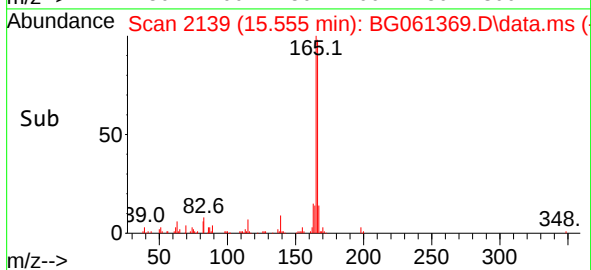
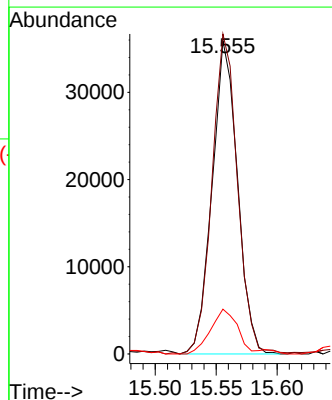
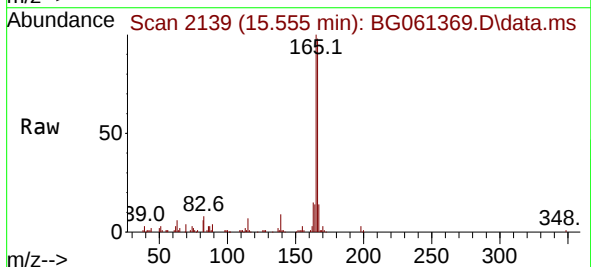
APPROVED

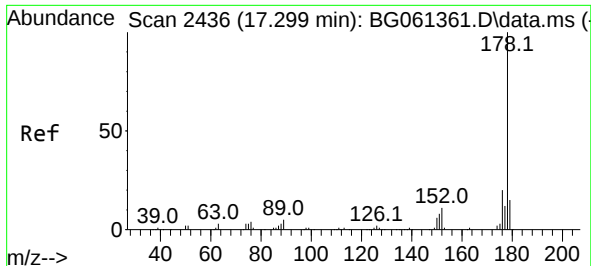
Reviewed By :Jagrut Upadhyay 05/31/2024
Supervised By :mohammad ahmed 06/01/2024



#61
Fluorene
Concen: 9.213 ng/ul
RT: 15.555 min Scan# 2139
Delta R.T. -0.005 min
Lab File: BG061369.D
Acq: 30 May 2024 21:17

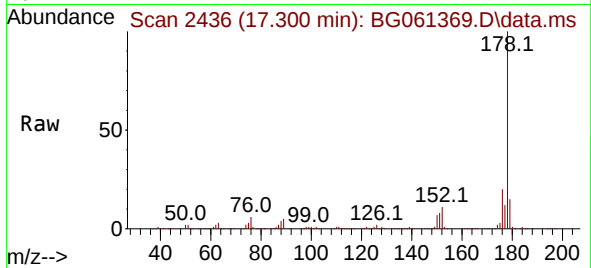
Tgt Ion:166 Resp: 51965
Ion Ratio Lower Upper
166 100
165 102.1 81.8 122.8
167 14.3 10.6 16.0





#72
Phenanthrene
Concen: 82.505 ng/u1
RT: 17.300 min Scan# 2436
Delta R.T. 0.001 min
Lab File: BG061369.D
Acq: 30 May 2024 21:17

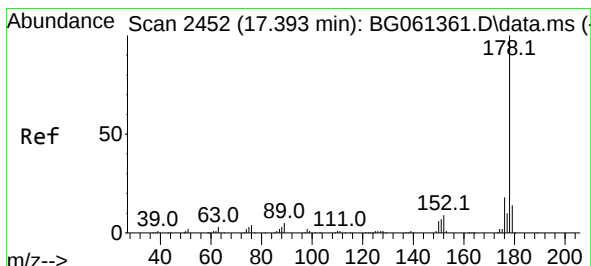
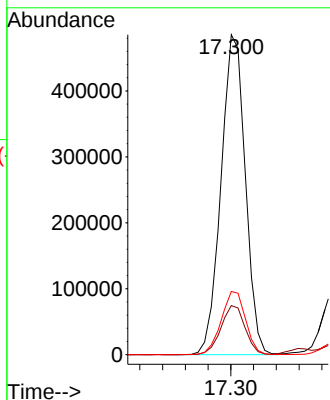
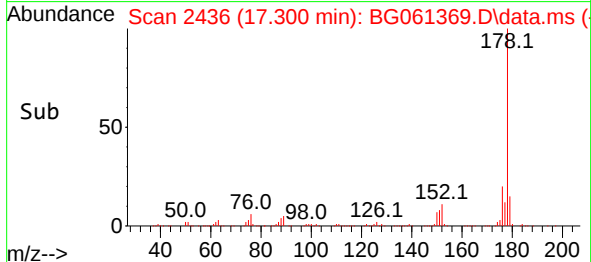
Instrument :
BNA_G
ClientSampleId :
BH6B6



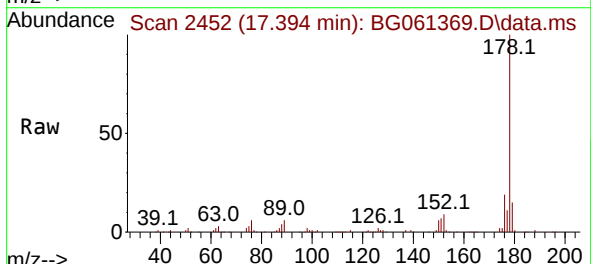
Tgt Ion:178 Resp: 719849
Ion Ratio Lower Upper
178 100
179 15.3 12.7 19.1
176 19.7 15.5 23.3

Manual Integrations
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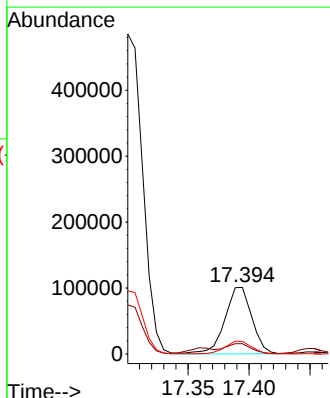
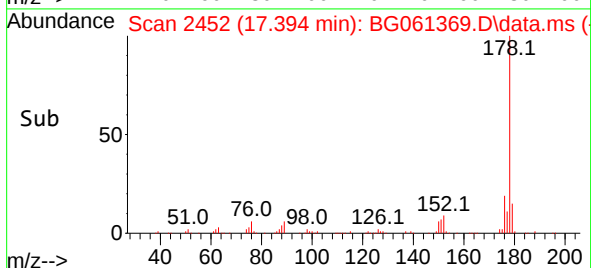
Reviewed By :Jagrut Upadhyay 05/31/2024
Supervised By :mohammad ahmed 06/01/2024

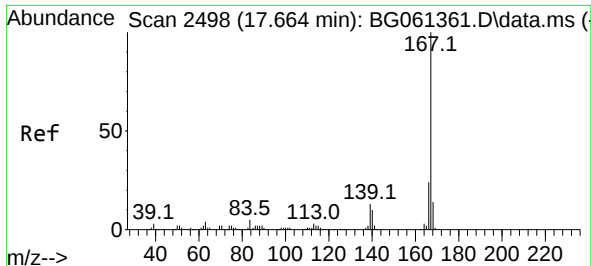


#74
Anthracene
Concen: 17.229 ng/u1
RT: 17.394 min Scan# 2452
Delta R.T. 0.001 min
Lab File: BG061369.D
Acq: 30 May 2024 21:17



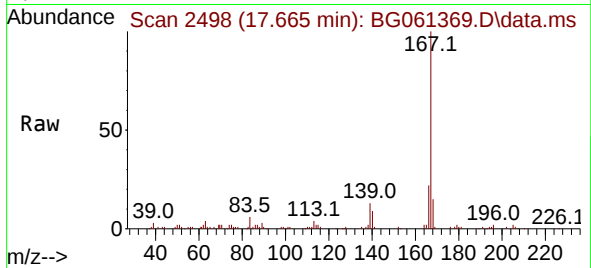
Tgt Ion:178 Resp: 155423
Ion Ratio Lower Upper
178 100
179 15.3 11.8 17.6
176 19.1 14.9 22.3





#77
 Carbazole
 Concen: 8.761 ng/ul
 RT: 17.665 min Scan# 2498
 Delta R.T. 0.001 min
 Lab File: BG061369.D
 Acq: 30 May 2024 21:17

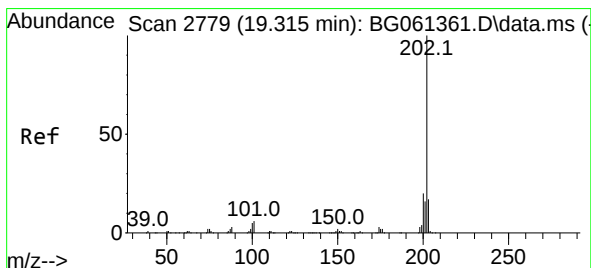
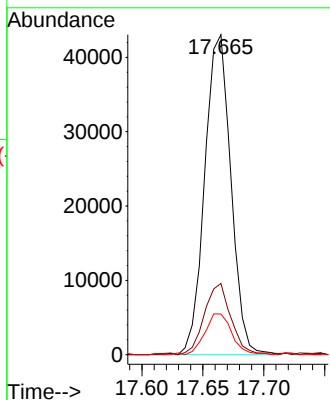
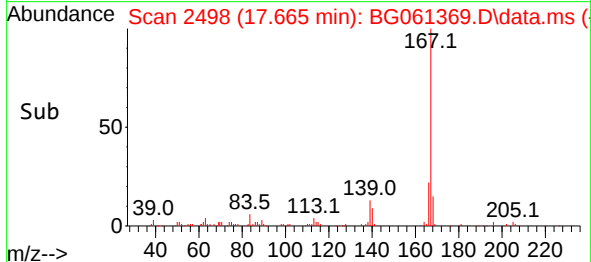
Instrument :
 BNA_G
 ClientSampleId :
 BH6B6



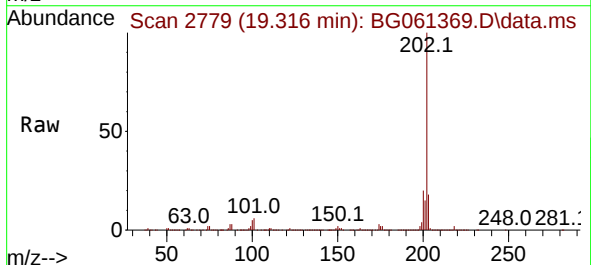
Tgt Ion:167 Resp: 6428
 Ion Ratio Lower Upper
 167 100
 166 22.3 18.6 28.0
 139 12.7 10.6 15.8

Manual Integrations
 APPROVED

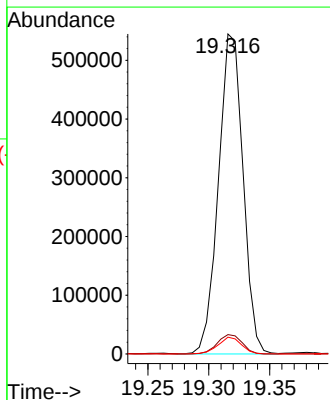
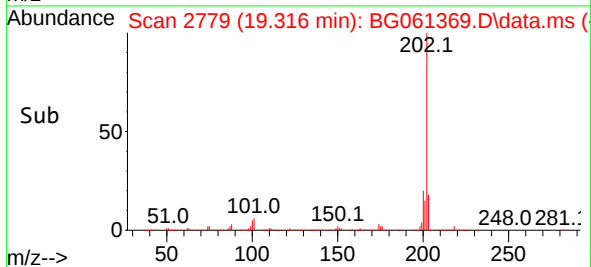
Reviewed By :Jagrut Upadhyay 05/31/2024
 Supervised By :mohammad ahmed 06/01/2024

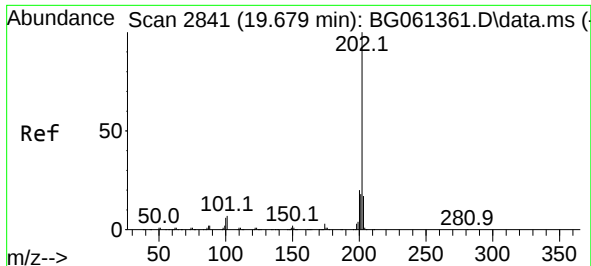


#80
 Fluoranthene
 Concen: 66.190 ng/ul
 RT: 19.316 min Scan# 2779
 Delta R.T. 0.001 min
 Lab File: BG061369.D
 Acq: 30 May 2024 21:17



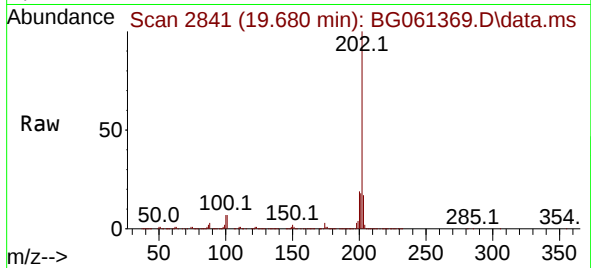
Tgt Ion:202 Resp: 764643
 Ion Ratio Lower Upper
 202 100
 101 6.0 4.8 7.2
 100 5.3 4.1 6.1





#82
Pyrene
Concen: 56.863 ng/ul
RT: 19.680 min Scan# 2149
Delta R.T. 0.001 min
Lab File: BG061369.D
Acq: 30 May 2024 21:17

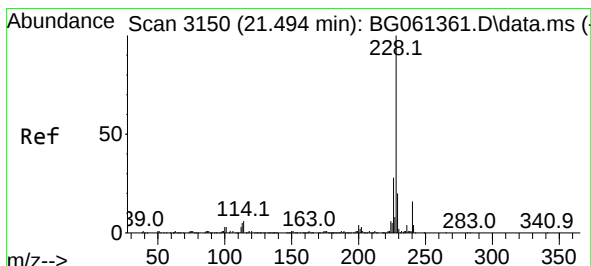
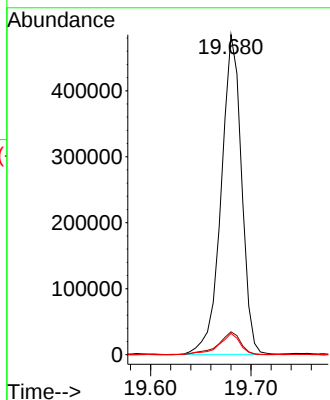
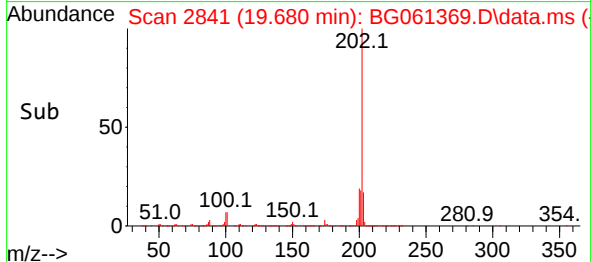
Instrument :
BNA_G
ClientSampleId :
BH6B6



Tgt Ion:202 Resp: 68186
Ion Ratio Lower Upper
202 100
101 7.1 5.7 8.5
100 6.7 5.1 7.7

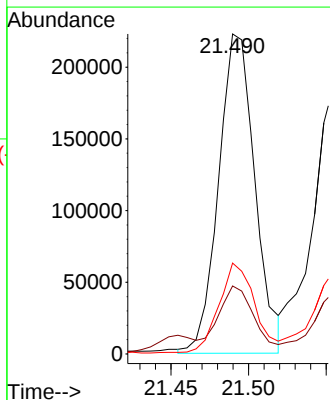
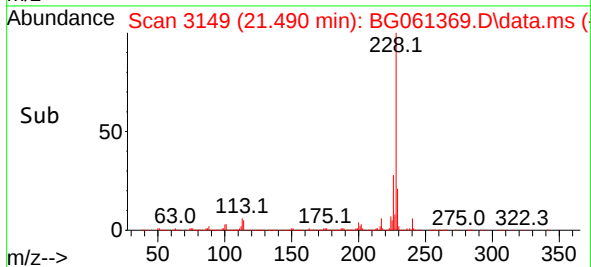
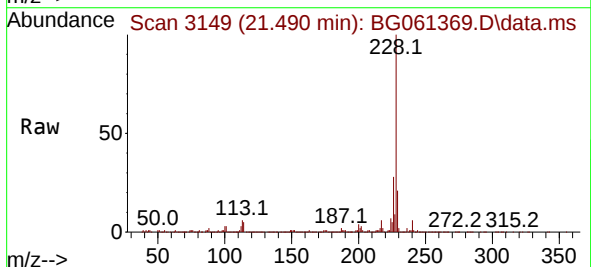
Manual Integrations
APPROVED

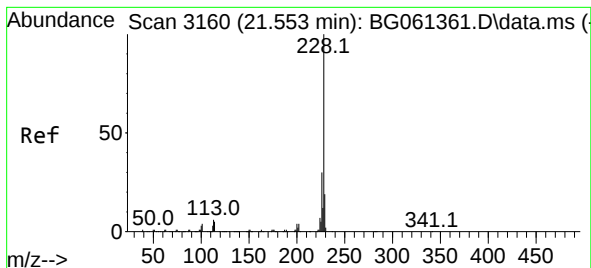
Reviewed By :Jagrut Upadhyay 05/31/2024
Supervised By :mohammad ahmed 06/01/2024



#85
Benzo(a)anthracene
Concen: 28.036 ng/ul
RT: 21.490 min Scan# 3149
Delta R.T. -0.005 min
Lab File: BG061369.D
Acq: 30 May 2024 21:17

Tgt Ion:228 Resp: 362820
Ion Ratio Lower Upper
228 100
229 21.2 15.2 22.8
226 28.4 21.4 32.2





#87

Chrysene

Concen: 27.352 ng/u1

RT: 21.554 min Scan# 31

Delta R.T. 0.001 min

Lab File: BG061369.D

Acq: 30 May 2024 21:17

Instrument :

BNA_G

ClientSampleId :

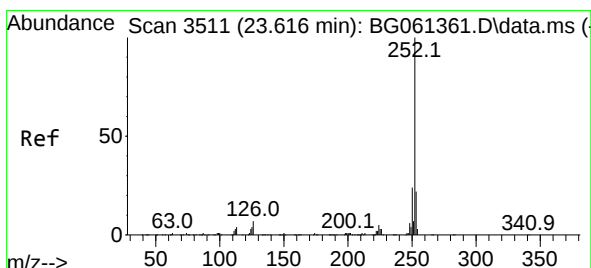
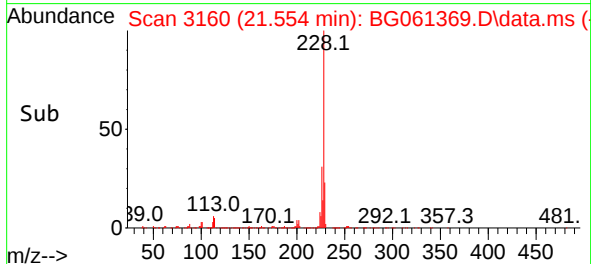
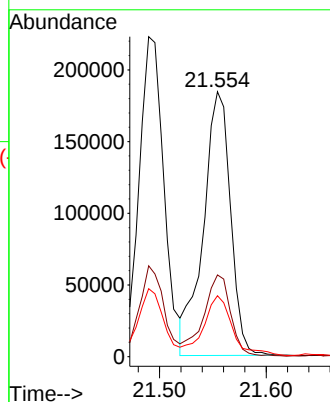
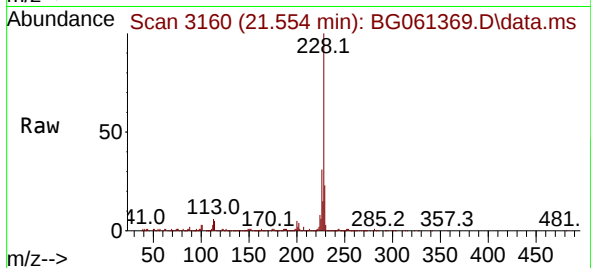
BH6B6

Tgt Ion:	228	Resp:	32592
Ion Ratio	Lower	Upper	
228	100		
226	30.8	23.4	35.0
229	23.0	15.4	23.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/31/2024
Supervised By :mohammad ahmed 06/01/2024



#90

Benzo(b)fluoranthene

Concen: 27.402 ng/u1

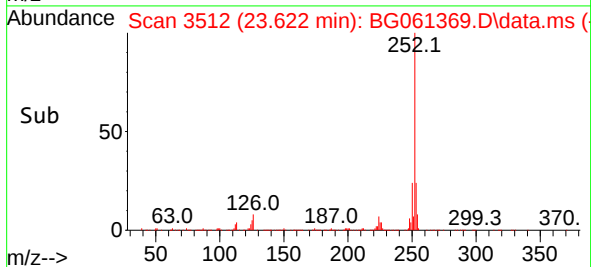
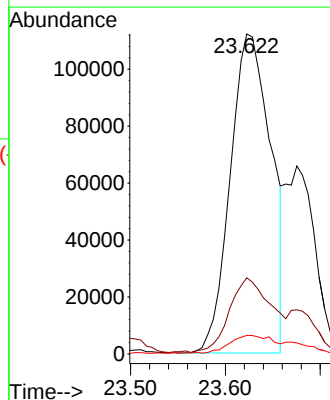
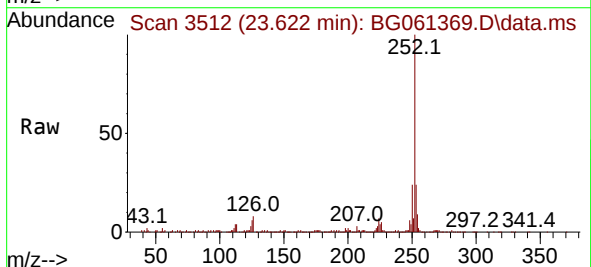
RT: 23.622 min Scan# 3512

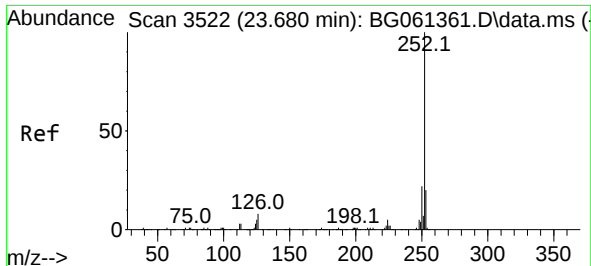
Delta R.T. 0.007 min

Lab File: BG061369.D

Acq: 30 May 2024 21:17

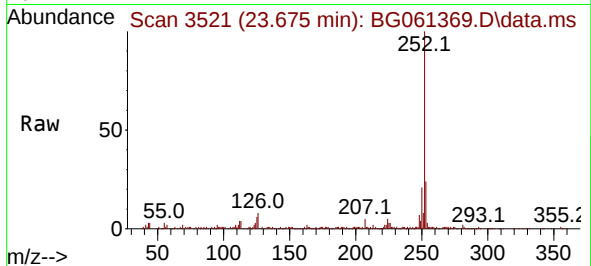
Tgt Ion:	252	Resp:	333672
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.8	26.8
125	5.8	4.6	6.8





#91
Benzo(k)fluoranthene
Concen: 11.661 ng/ul m
RT: 23.675 min Scan# 3522
Delta R.T. -0.005 min
Lab File: BG061369.D
Acq: 30 May 2024 21:17

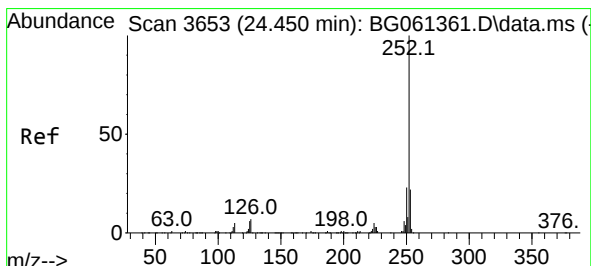
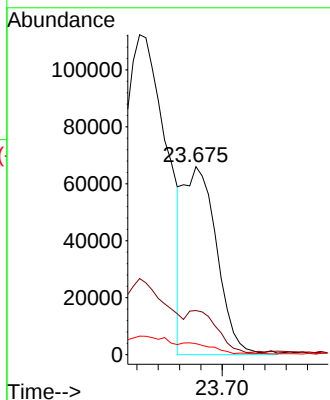
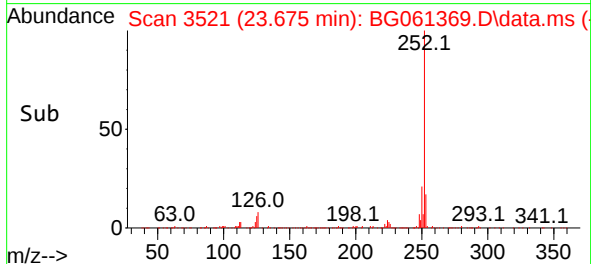
Instrument :
BNA_G
ClientSampleId :
BH6B6



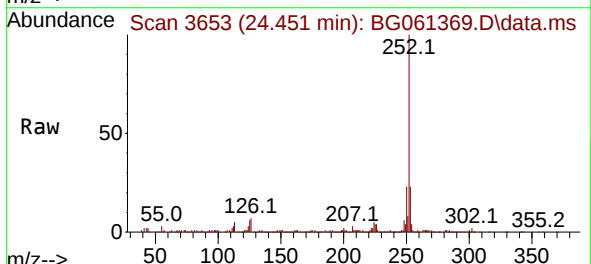
Tgt Ion:252 Resp: 14415
Ion Ratio Lower Upper
252 100
253 23.5 16.0 24.0
125 5.9 4.3 6.5

Manual Integrations
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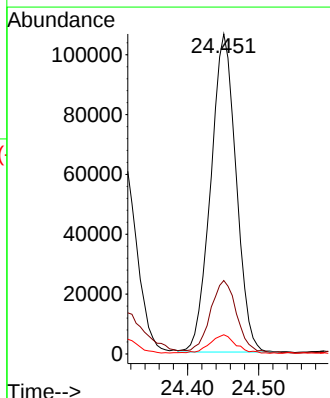
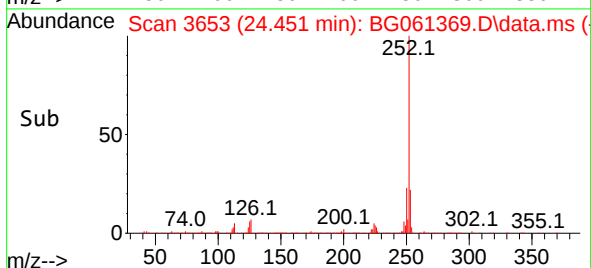
Reviewed By :Jagrut Upadhyay 05/31/2024
Supervised By :mohammad ahmed 06/01/2024

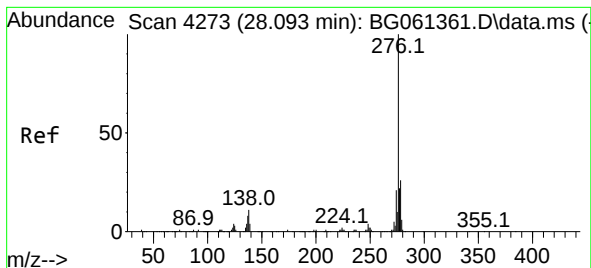


#93
Benzo(a)pyrene
Concen: 22.805 ng/ul
RT: 24.451 min Scan# 3653
Delta R.T. 0.001 min
Lab File: BG061369.D
Acq: 30 May 2024 21:17



Tgt Ion:252 Resp: 263690
Ion Ratio Lower Upper
252 100
253 23.0 16.4 24.6
125 6.0 4.3 6.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 11.508 ng/ul

RT: 28.094 min Scan# 41

Delta R.T. 0.001 min

Lab File: BG061369.D

Acq: 30 May 2024 21:17

Instrument :

BNA_G

ClientSampleId :

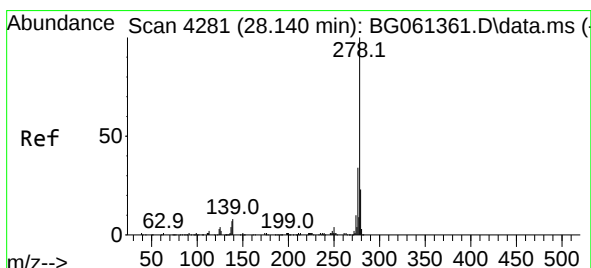
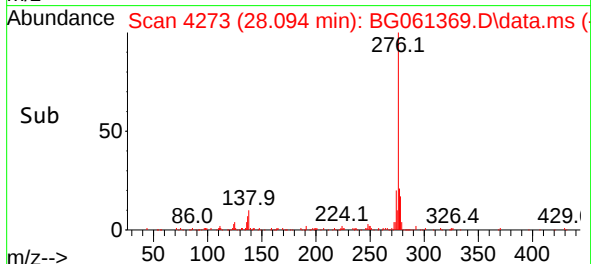
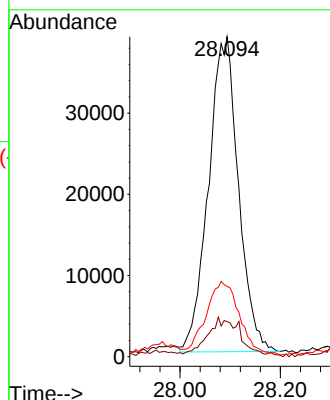
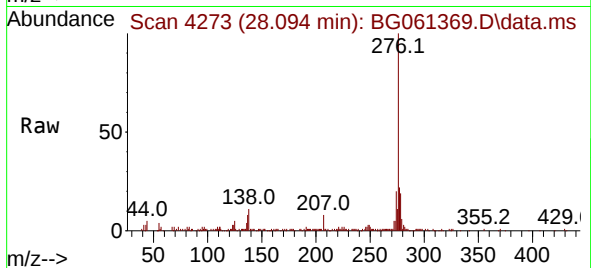
BH6B6

Tgt Ion:	276	Resp:	160910
Ion Ratio	Lower	Upper	
276	100		
138	10.9	8.6	13.0
277	22.0	19.7	29.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/31/2024
Supervised By :mohammad ahmed 06/01/2024



#95

Dibenzo(a,h)anthracene

Concen: 3.932 ng/ul m

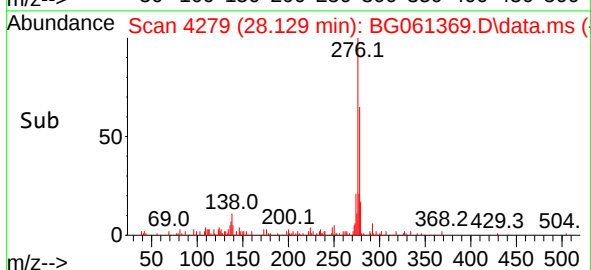
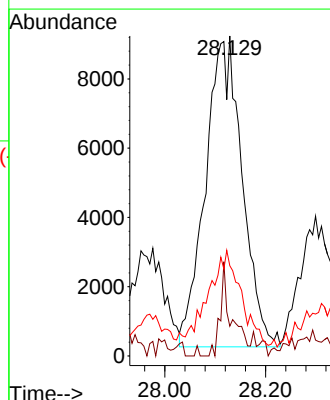
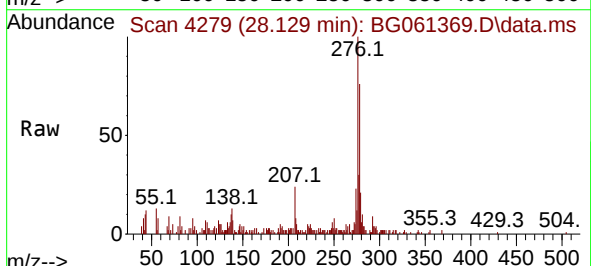
RT: 28.129 min Scan# 4279

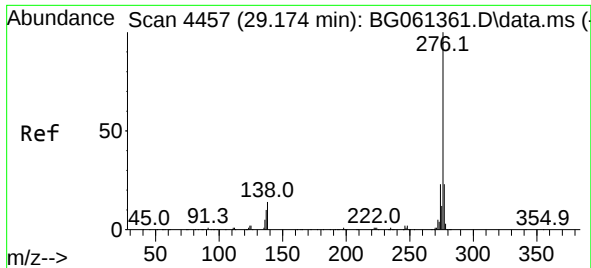
Delta R.T. -0.011 min

Lab File: BG061369.D

Acq: 30 May 2024 21:17

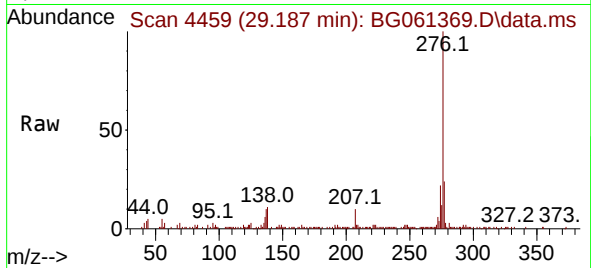
Tgt Ion:	278	Resp:	45335
Ion Ratio	Lower	Upper	
278	100		
139	9.3	6.4	9.6
279	28.2	19.9	29.9





#96
Benzo(g,h,i)perylene
Concen: 13.520 ng/ul
RT: 29.187 min Scan# 4459
Delta R.T. 0.013 min
Lab File: BG061369.D
Acq: 30 May 2024 21:17

Instrument :
BNA_G
ClientSampleId :
BH6B6



Tgt Ion:276 Resp: 15039
Ion Ratio Lower Upper
276 100
138 11.4 8.7 13.1
277 23.9 18.2 27.2

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 05/31/2024
Supervised By :mohammad ahmed 06/01/2024

