

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052424\
 Data File : BG061284.D
 Acq On : 24 May 2024 12:27
 Operator : MA/JU
 Sample : P2548-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BH5Y1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/25/2024
 Supervised By :mohammad ahmed 05/27/2024

Quant Time: May 25 00:12:50 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 21 15:23:39 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.884	152	23799	20.000	ng/u1	0.00
20) Naphthalene-d8	10.681	136	104371	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.517	164	90321	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.267	188	218938	20.000	ng/u1	0.00
79) Chrysene-d12	21.515	240	220867	20.000	ng/u1	0.00
88) Perylene-d12	24.600	264	248094	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.336	96	435m	1.023	ng/uL	0.00
4) Pyridine-d5	3.748	84	2439	1.612	ng/u1	0.00
7) Phenol-d5	7.061	99	18448	9.439	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.214	67	11652	9.485	ng/u1	0.00
11) 2-Chlorophenol-d4	7.426	132	15150	10.474	ng/u1	0.00
15) 4-Methylphenol-d8	8.601	113	14749	8.850	ng/u1	0.00
21) Nitrobenzene-d5	9.036	128	8062	10.033	ng/u1	-0.01
24) 2-Nitrophenol-d4	9.764	143	8750	9.304	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.310	165	17864	9.743	ng/u1	0.00
31) 4-Chloroaniline-d4	10.816	131	18308	7.633	ng/u1	0.00
46) Dimethylphthalate-d6	13.924	166	66917	9.553	ng/u1	0.00
49) Acenaphthylene-d8	14.212	160	71345	9.796	ng/u1	0.00
54) 4-Nitrophenol-d4	14.746	143	6118	7.064	ng/u1	0.00
60) Fluorene-d10	15.510	176	60634	10.026	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.645	200	8933	6.746	ng/u1	0.00
73) Anthracene-d10	17.367	188	101487	10.514	ng/u1	0.00
81) Pyrene-d10	19.658	212	119407	10.529	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.388	264	124650	10.451	ng/u1	0.00
Target Compounds						
					Qvalue	
52) Acenaphthene	14.582	153	9010	1.701	ng/u1	92
56) Dibenzofuran	14.917	168	8043	1.062	ng/u1	88
61) Fluorene	15.569	166	10225	1.560	ng/u1#	98
72) Phenanthrene	17.308	178	216903	20.412	ng/u1	99
74) Anthracene	17.396	178	38602	3.513	ng/u1	99
77) Carbazole	17.672	167	26376	2.951	ng/u1	100
80) Fluoranthene	19.323	202	356723	26.221	ng/u1	100
82) Pyrene	19.688	202	290448	20.568	ng/u1	99
85) Benzo(a)anthracene	21.497	228	180324	11.832	ng/u1	98
87) Chrysene	21.562	228	175226	12.487	ng/u1	97
90) Benzo(b)fluoranthene	23.630	252	224156	15.175	ng/u1	98
91) Benzo(k)fluoranthene	23.689	252	76689m	5.114	ng/u1	
93) Benzo(a)pyrene	24.459	252	152947	10.904	ng/u1#	97
94) Indeno(1,2,3-cd)pyrene	28.096	276	99778	5.882	ng/u1#	96
95) Dibenzo(a,h)anthracene	28.131	278	30318m	2.168	ng/u1	
96) Benzo(g,h,i)perylene	29.188	276	95286m	7.061	ng/u1	

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

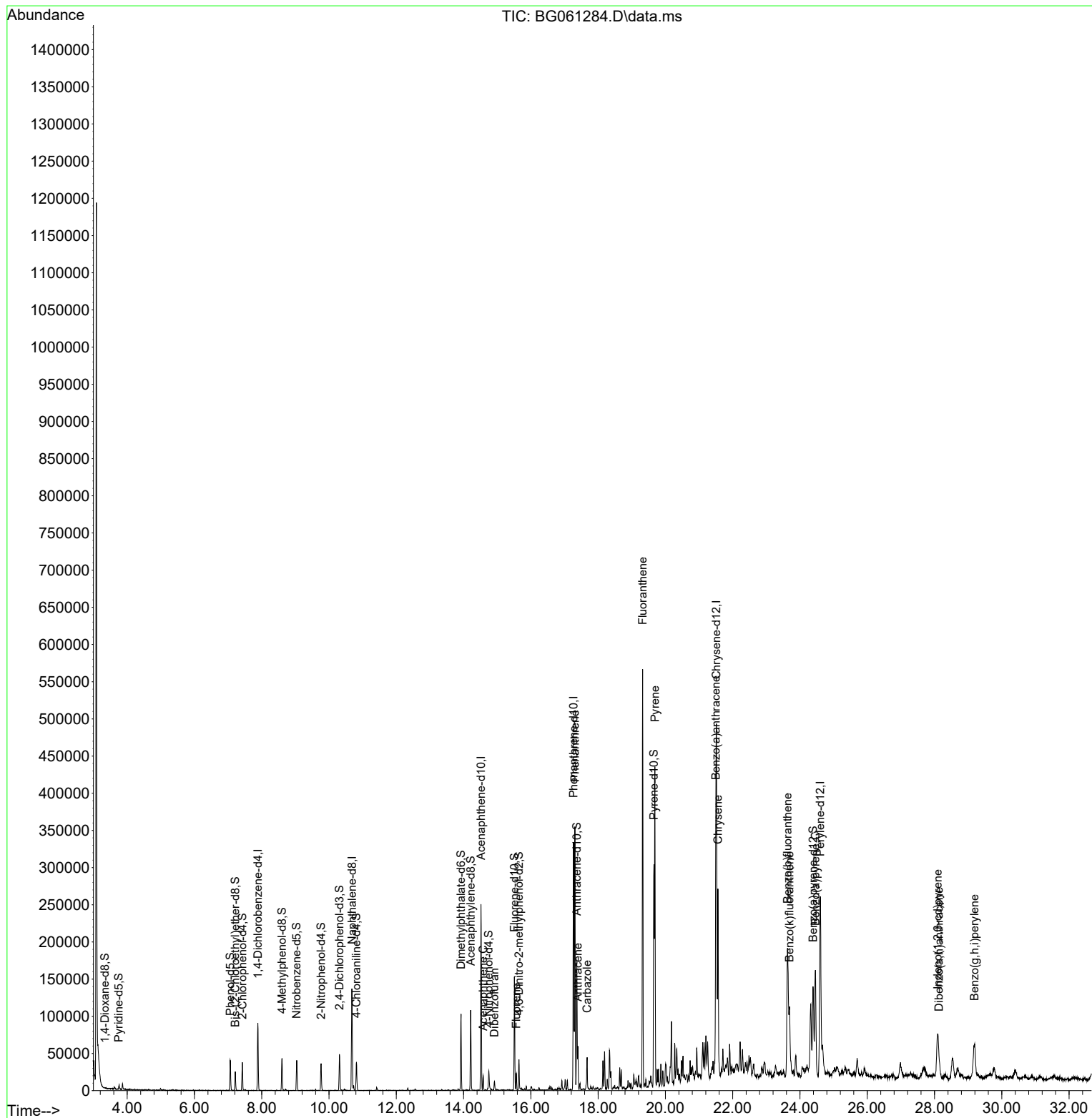
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052424\
Data File : BG061284.D
Acq On : 24 May 2024 12:27
Operator : MA/JU
Sample : P2548-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

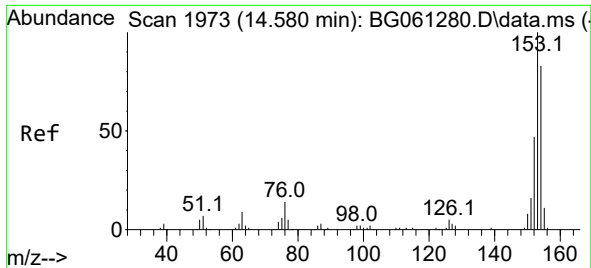
Instrument :
BNA_G
ClientSampleId :
BH5Y1

Quant Time: May 25 00:12:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 21 15:23:39 2024
Response via : Initial Calibration

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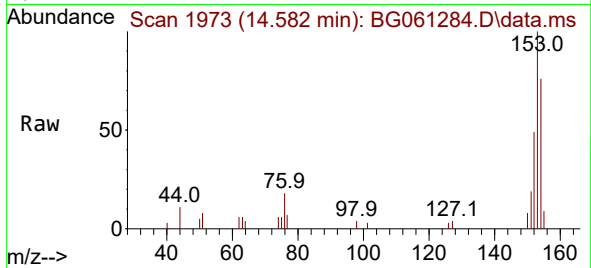
Reviewed By :Yogesh Patel 05/25/2024
Supervised By :mohammad ahmed 05/27/2024





#52
Acenaphthene
Concen: 1.701 ng/ul
RT: 14.582 min Scan# 1973
Delta R.T. -0.005 min
Lab File: BG061284.D
Acq: 24 May 2024 12:27

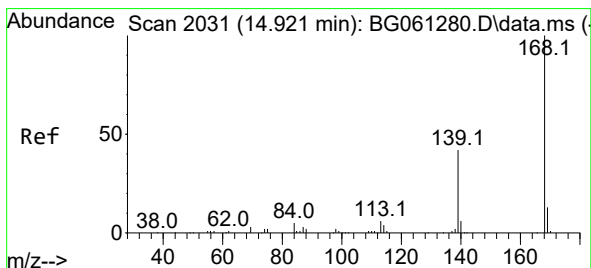
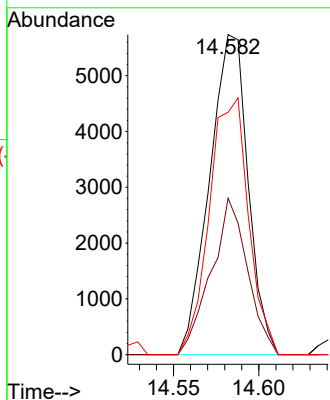
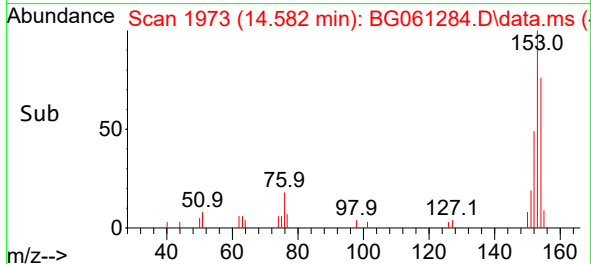
Instrument :
BNA_G
ClientSampleId :
BH5Y1



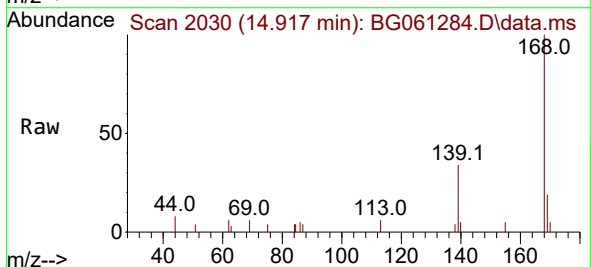
Tgt Ion:153 Resp: 9010
Ion Ratio Lower Upper
153 100
152 48.9 37.8 56.8
154 75.8 69.0 103.6

Manual Integrations
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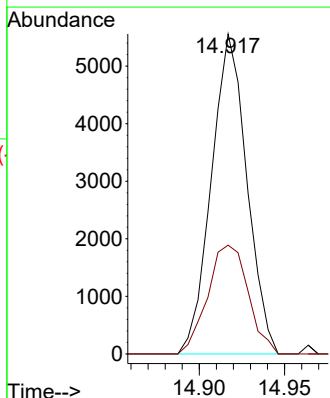
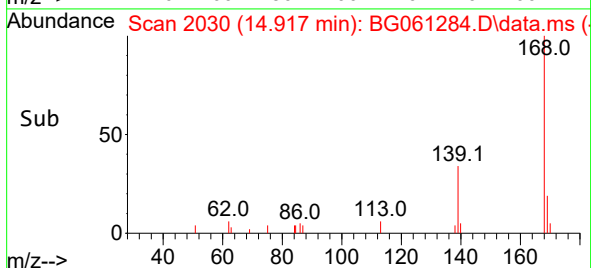
Reviewed By :Yogesh Patel 05/25/2024
Supervised By :mohammad ahmed 05/27/2024

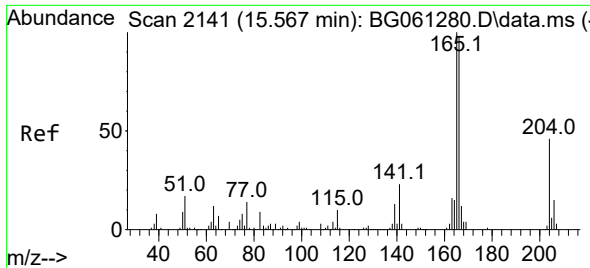


#56
Dibenzofuran
Concen: 1.062 ng/ul
RT: 14.917 min Scan# 2030
Delta R.T. -0.005 min
Lab File: BG061284.D
Acq: 24 May 2024 12:27



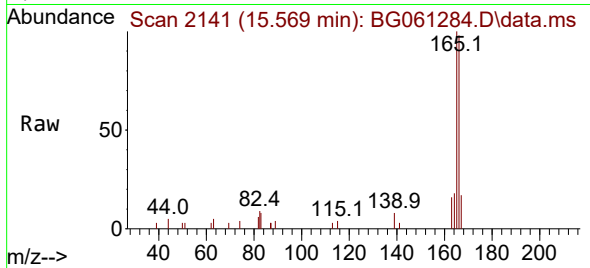
Tgt Ion:168 Resp: 8043
Ion Ratio Lower Upper
168 100
139 34.0 33.4 50.2





#61
Fluorene
Concen: 1.560 ng/ul
RT: 15.569 min Scan# 2141
Delta R.T. -0.005 min
Lab File: BG061284.D
Acq: 24 May 2024 12:27

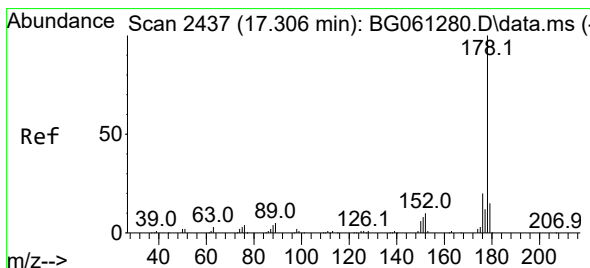
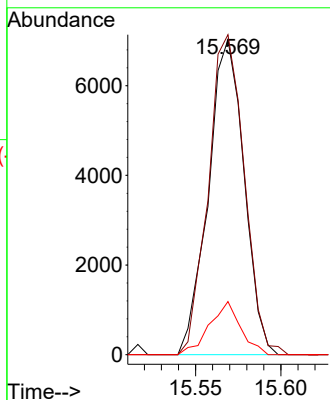
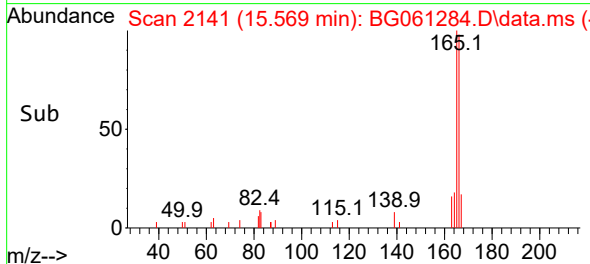
Instrument :
BNA_G
ClientSampleId :
BH5Y1



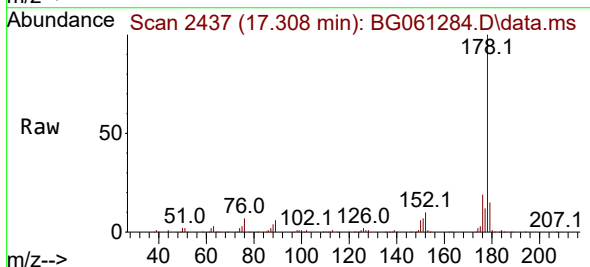
Tgt Ion:166 Resp: 10225
Ion Ratio Lower Upper
166 100
165 101.6 81.8 122.8
167 16.8 10.6 16.0

Manual Integrations
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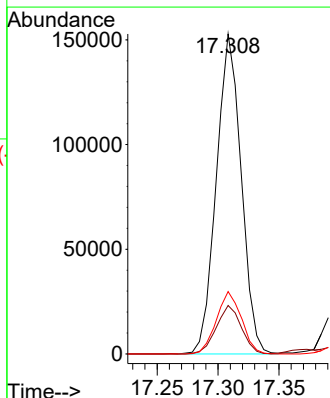
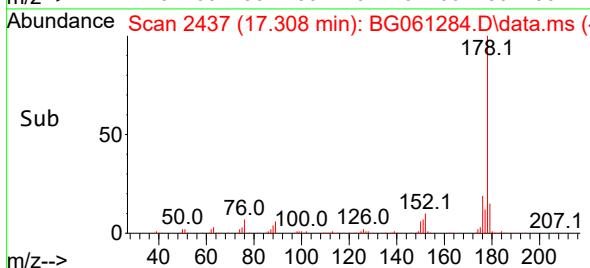
Reviewed By :Yogesh Patel 05/25/2024
Supervised By :mohammad ahmed 05/27/2024

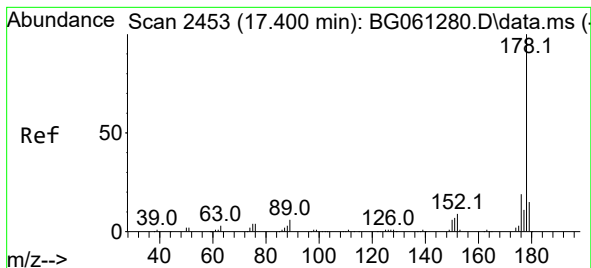


#72
Phenanthrene
Concen: 20.412 ng/ul
RT: 17.308 min Scan# 2437
Delta R.T. -0.005 min
Lab File: BG061284.D
Acq: 24 May 2024 12:27



Tgt Ion:178 Resp: 216903
Ion Ratio Lower Upper
178 100
179 15.2 12.7 19.1
176 19.5 15.5 23.3





#74

Anthracene

Concen: 3.513 ng/ul

RT: 17.396 min Scan# 2453

Delta R.T. -0.005 min

Lab File: BG061284.D

Acq: 24 May 2024 12:27

Instrument :

BNA_G

ClientSampleId :

BH5Y1

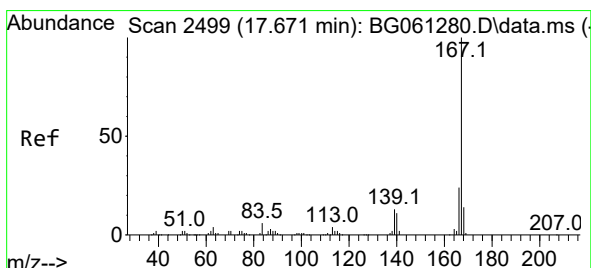
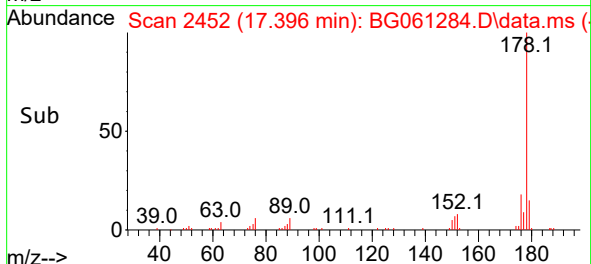
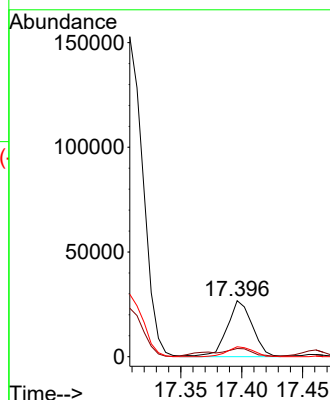
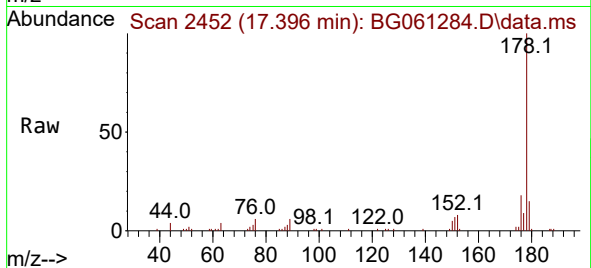
Tgt Ion:178	Resp:	38602
Ion Ratio	Lower	Upper
178	100	
179	14.7	11.8 17.6
176	17.6	14.9 22.3

Manual Integrations

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#77

Carbazole

Concen: 2.951 ng/ul

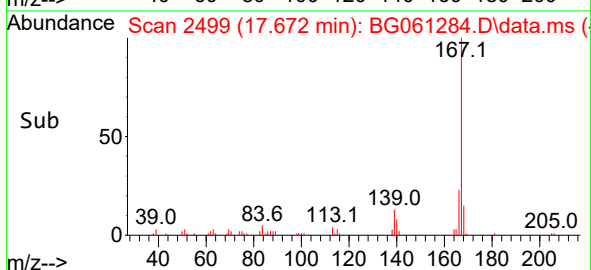
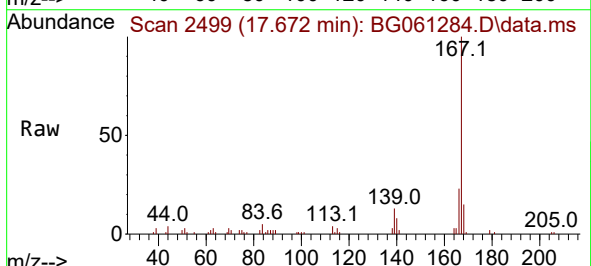
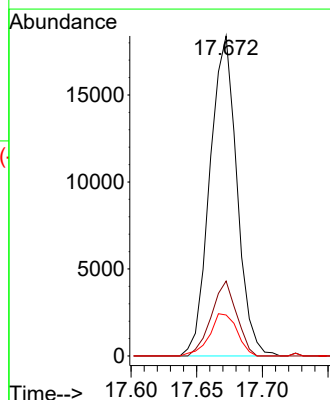
RT: 17.672 min Scan# 2499

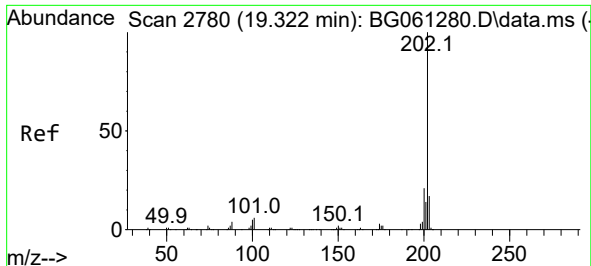
Delta R.T. -0.005 min

Lab File: BG061284.D

Acq: 24 May 2024 12:27

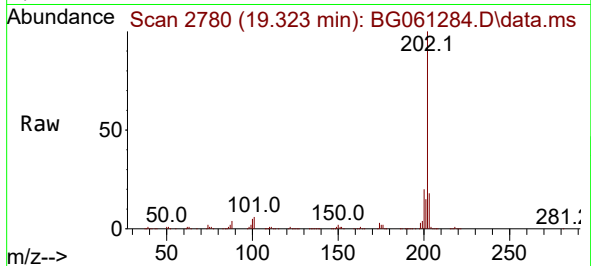
Tgt Ion:167	Resp:	26376
Ion Ratio	Lower	Upper
167	100	
166	23.4	18.6 28.0
139	12.8	10.6 15.8





#80
Fluoranthene
Concen: 26.221 ng/u1
RT: 19.323 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG061284.D
Acq: 24 May 2024 12:27

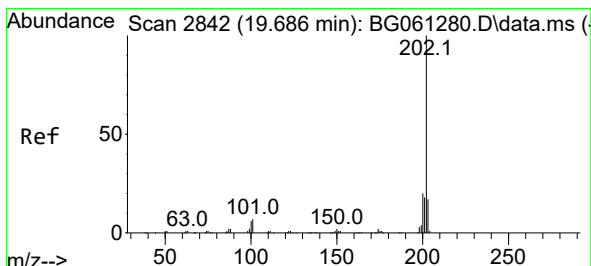
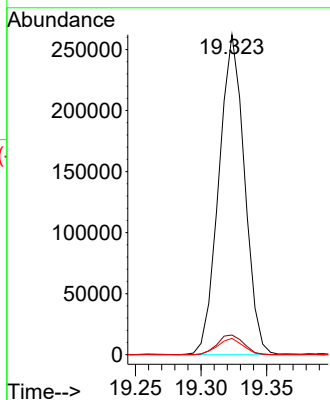
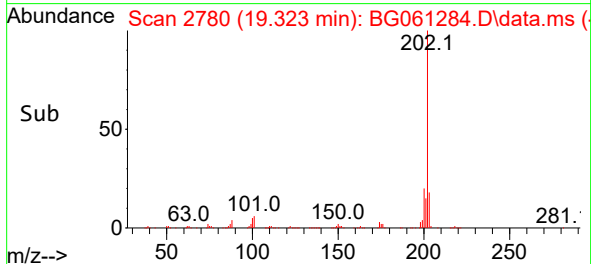
Instrument :
BNA_G
ClientSampleId :
BH5Y1



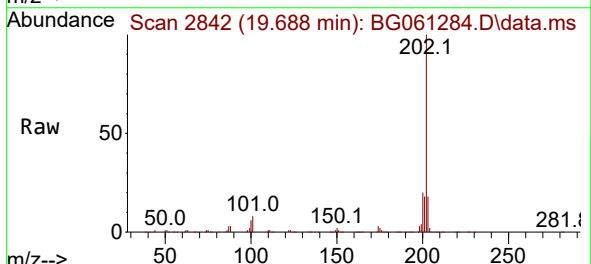
Tgt Ion:202 Resp: 35672
Ion Ratio Lower Upper
202 100
101 6.1 4.8 7.2
100 5.1 4.1 6.1

Manual Integrations
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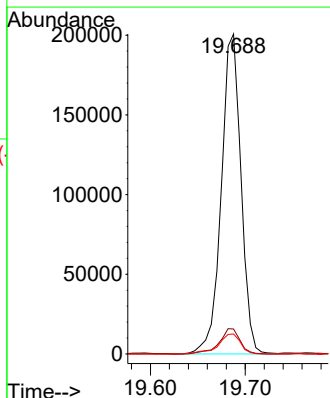
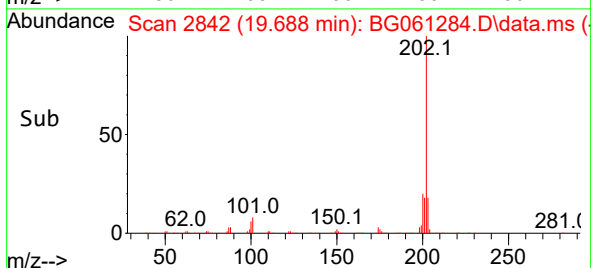
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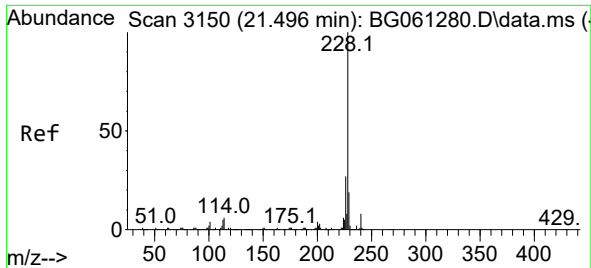


#82
Pyrene
Concen: 20.568 ng/u1
RT: 19.688 min Scan# 2842
Delta R.T. 0.001 min
Lab File: BG061284.D
Acq: 24 May 2024 12:27



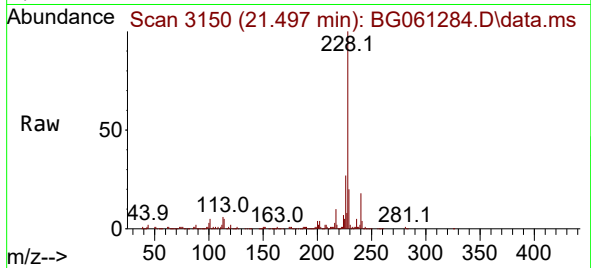
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Ion Ratio Lower Upper
202 100
101 7.8 5.7 8.5
100 6.3 5.1 7.7





#85
Benzo(a)anthracene
Concen: 11.832 ng/ul
RT: 21.497 min Scan# 3150
Delta R.T. -0.005 min
Lab File: BG061284.D
Acq: 24 May 2024 12:27

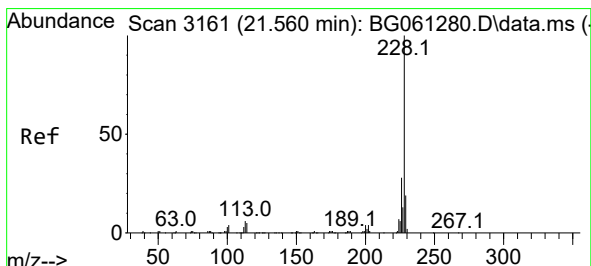
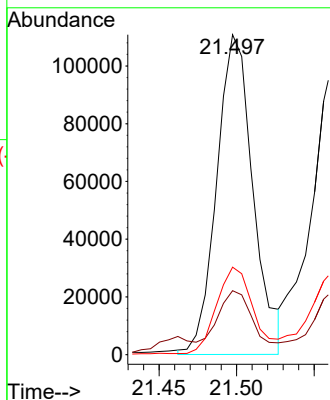
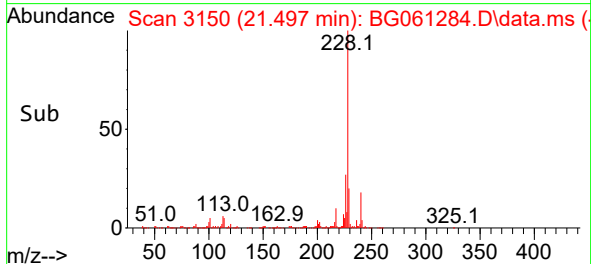
Instrument :
BNA_G
ClientSampleId :
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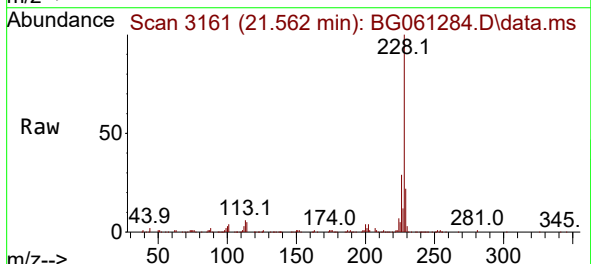
Tgt Ion:228 Resp: 180324
Ion Ratio Lower Upper
228 100
229 20.0 15.2 22.8
226 27.4 21.4 32.2

Manual Integrations
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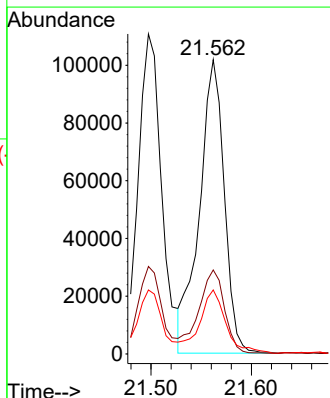
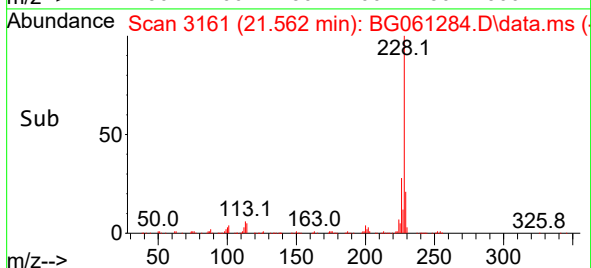
Reviewed By :Yogesh Patel 05/25/2024
Supervised By :mohammad ahmed 05/27/2024

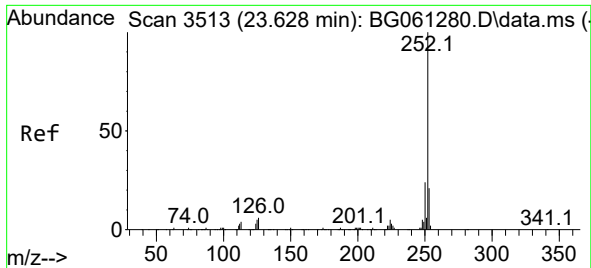


#87
Chrysene
Concen: 12.487 ng/ul
RT: 21.562 min Scan# 3161
Delta R.T. -0.005 min
Lab File: BG061284.D
Acq: 24 May 2024 12:27



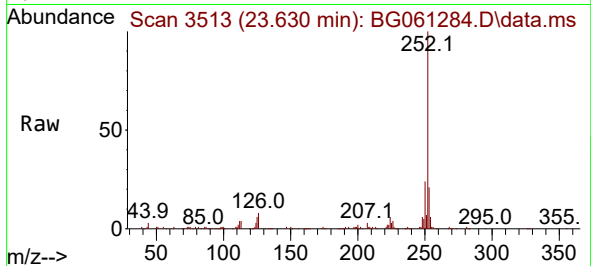
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Ion Ratio Lower Upper
228 100
226 28.6 23.4 35.0
229 21.7 15.4 23.2





#90
Benzo(b)fluoranthene
Concen: 15.175 ng/ul
RT: 23.630 min Scan# 3513
Delta R.T. 0.001 min
Lab File: BG061284.D
Acq: 24 May 2024 12:27

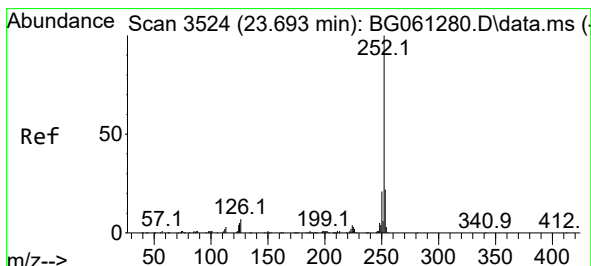
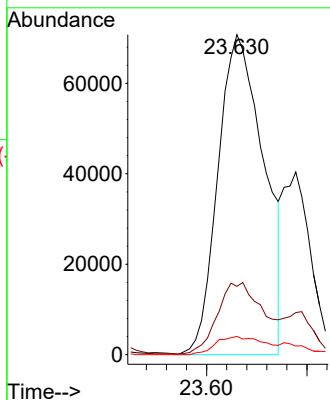
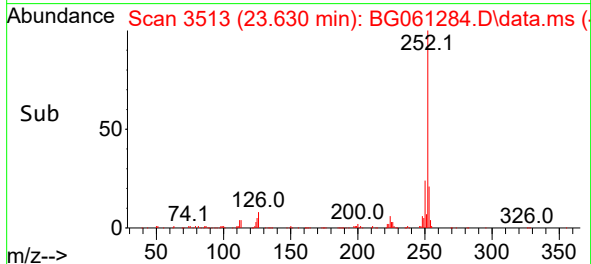
Instrument :
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BH5Y1



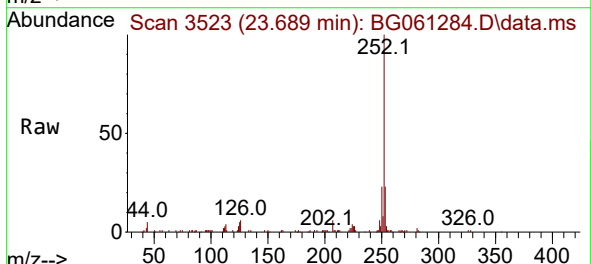
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Ion Ratio Lower Upper
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253 21.4 17.8 26.8
125 5.7 4.6 6.8

Manual Integrations
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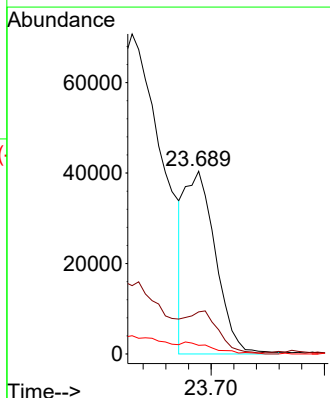
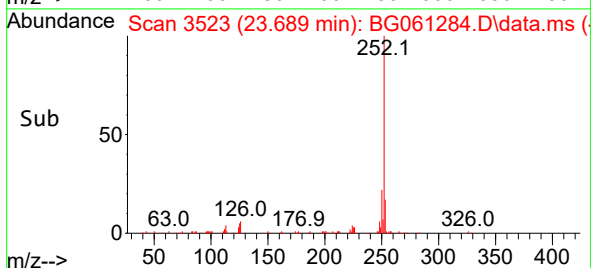
Reviewed By :Yogesh Patel 05/25/2024
Supervised By :mohammad ahmed 05/27/2024

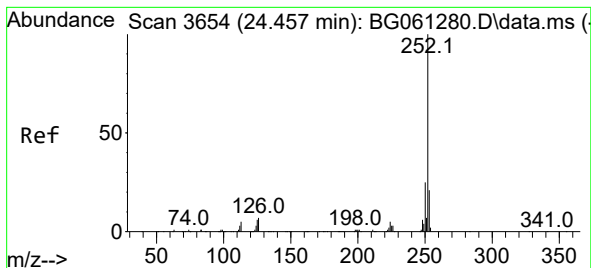


#91
Benzo(k)fluoranthene
Concen: 5.114 ng/ul m
RT: 23.689 min Scan# 3523
Delta R.T. -0.005 min
Lab File: BG061284.D
Acq: 24 May 2024 12:27



Tgt Ion:252 Resp: 76689
Ion Ratio Lower Upper
252 100
253 23.1 16.0 24.0
125 4.8 4.3 6.5





#93

Benzo(a)pyrene

Concen: 10.904 ng/ul

RT: 24.459 min Scan# 30

Delta R.T. -0.005 min

Lab File: BG061284.D

Acq: 24 May 2024 12:27

Instrument :

BNA_G

ClientSampleId :

BH5Y1

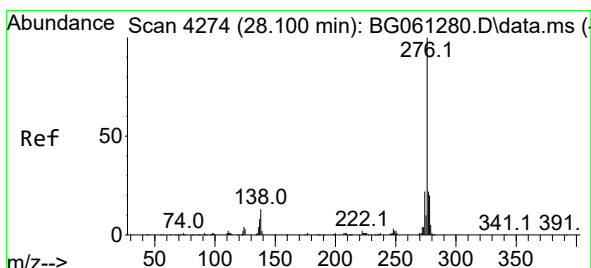
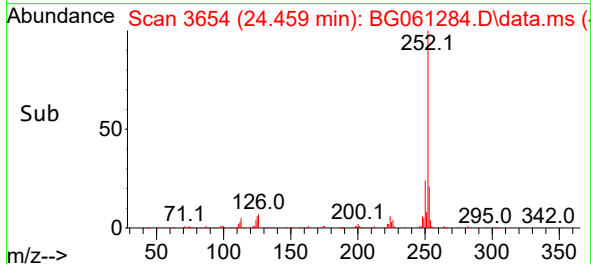
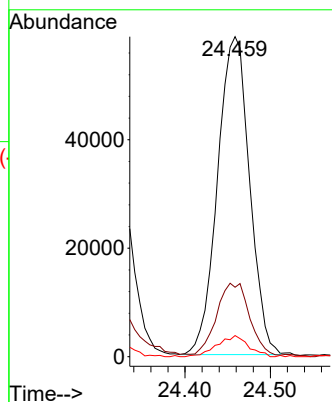
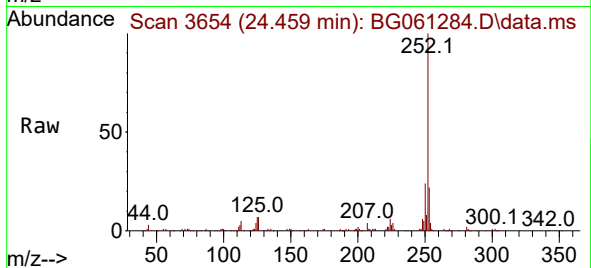
Tgt Ion:252 Resp: 15294
 Ion Ratio Lower Upper
 252 100
 253 21.7 16.4 24.6
 125 6.6 4.3 6.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/25/2024

Supervised By :mohammad ahmed 05/27/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 5.882 ng/ul

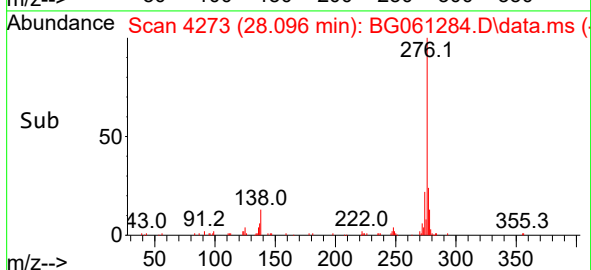
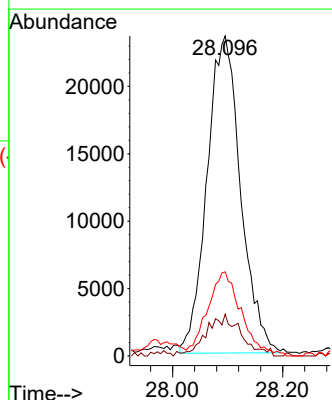
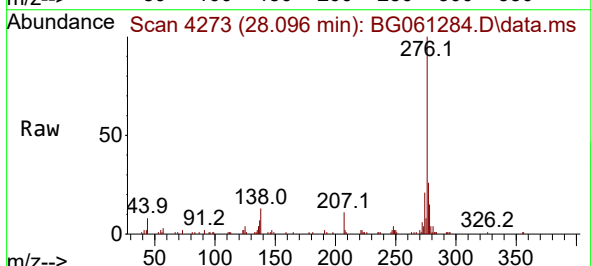
RT: 28.096 min Scan# 4273

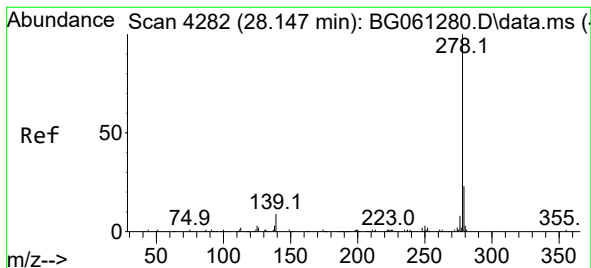
Delta R.T. -0.011 min

Lab File: BG061284.D

Acq: 24 May 2024 12:27

Tgt Ion:276 Resp: 99778
 Ion Ratio Lower Upper
 276 100
 138 13.0 8.6 13.0#
 277 26.3 19.7 29.5





#95

Dibenzo(a,h)anthracene

Concen: 2.168 ng/ul m

RT: 28.131 min Scan# 4279

Delta R.T. -0.028 min

Lab File: BG061284.D

Acq: 24 May 2024 12:27

Instrument :

BNA_G

ClientSampleId :

BH5Y1

Tgt Ion:278 Resp: 30318

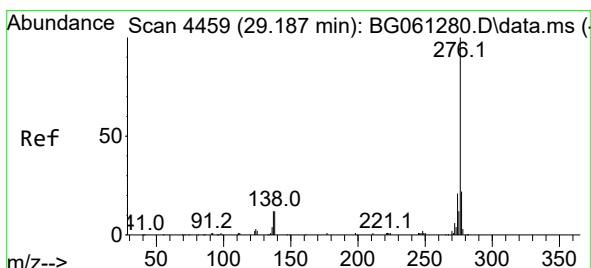
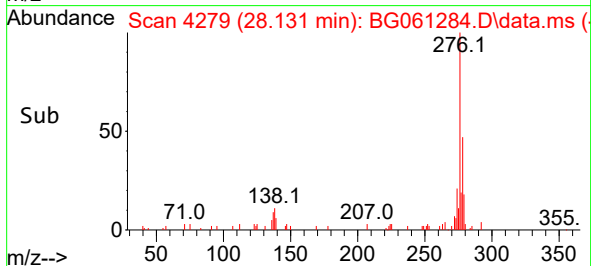
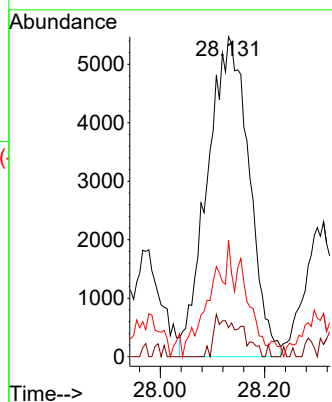
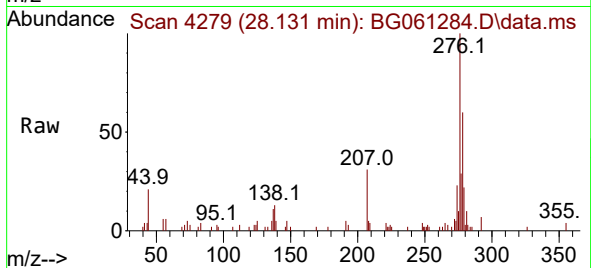
Ion	Ratio	Lower	Upper
278	100		
139	9.1	6.4	9.6
279	36.5	19.9	29.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/25/2024

Supervised By :mohammad ahmed 05/27/2024



#96

Benzo(g,h,i)perylene

Concen: 7.061 ng/ul m

RT: 29.188 min Scan# 4459

Delta R.T. -0.005 min

Lab File: BG061284.D

Acq: 24 May 2024 12:27

Tgt Ion:276 Resp: 95286

Ion	Ratio	Lower	Upper
276	100		
138	9.8	8.7	13.1
277	24.1	18.2	27.2

