

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG062224\  
 Data File : BG061649.D  
 Acq On : 22 Jun 2024 15:03  
 Operator : MA/JU  
 Sample : P2775-17  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

**Instrument :**  
 BNA\_G  
**ClientSampleId :**  
 A4D46

**Manual Integrations**  
**APPROVED**  
 Reviewed By :Yogesh Patel 06/24/2024  
 Supervised By :mohammad ahmed 06/24/2024

Quant Time: Jun 22 15:40:24 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG062024.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jun 21 05:03:55 2024  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
<b>Internal Standards</b>						
1) 1,4-Dichlorobenzene-d4	8.076	152	61880	20.000	ng/u1	0.00
20) Naphthalene-d8	10.890	136	309194	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.703	164	215253	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.447	188	472855	20.000	ng/u1	0.00
79) Chrysene-d12	21.707	240	408059	20.000	ng/u1	0.00
88) Perylene-d12	24.938	264	498421	20.000	ng/u1	0.00
<b>System Monitoring Compounds</b>						
3) 1,4-Dioxane-d8	3.463	96	6997	4.085	ng/uL	0.00
4) Pyridine-d5	3.898	84	8542	1.649	ng/u1	0.01
7) Phenol-d5	7.218	99	160963	23.961	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.400	67	89216	21.305	ng/u1	0.00
11) 2-Chlorophenol-d4	7.600	132	108256	23.484	ng/u1	0.00
15) 4-Methylphenol-d8	8.769	113	116272	22.389	ng/u1	0.00
21) Nitrobenzene-d5	9.239	128	55816	26.587	ng/u1	0.00
24) 2-Nitrophenol-d4	9.962	143	63272	29.757	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.496	165	121495	24.131	ng/u1	0.00
31) 4-Chloroaniline-d4	11.019	131	106972	14.033	ng/u1	0.00
46) Dimethylphthalate-d6	14.110	166	392548	23.698	ng/u1	0.00
49) Acenaphthylene-d8	14.398	160	457768	25.217	ng/u1	0.00
54) 4-Nitrophenol-d4	14.874	143	61362	21.570	ng/u1	0.00
60) Fluorene-d10	15.690	176	352427	24.303	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.796	200	35913	17.761	ng/u1	0.00
73) Anthracene-d10	17.541	188	525242	24.335	ng/u1	0.00
81) Pyrene-d10	19.821	212	523062	22.948	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.703	264	394909	16.589	ng/u1	-0.02
<b>Target Compounds</b>						
16) Acetophenone	8.898	105	10915	1.276	ng/u1#	93
52) Acenaphthene	14.768	153	35663	2.541	ng/u1	92
56) Dibenzofuran	15.097	168	25677	1.308	ng/u1#	72
61) Fluorene	15.749	166	33974	2.090	ng/u1	95
72) Phenanthrene	17.488	178	589865	23.712	ng/u1	99
74) Anthracene	17.576	178	126772	4.983	ng/u1	100
77) Carbazole	17.841	167	45592	2.111	ng/u1	98
80) Fluoranthene	19.492	202	835149	31.578	ng/u1	99
82) Pyrene	19.850	202	602804	21.436	ng/u1	99
85) Benzo(a)anthracene	21.689	228	376488	13.144	ng/u1	99
87) Chrysene	21.754	228	324153	11.960	ng/u1	97
90) Benzo(b)fluoranthene	23.910	252	410194	13.691	ng/u1	97
91) Benzo(k)fluoranthene	23.975	252	167111m	5.423	ng/u1	
93) Benzo(a)pyrene	24.780	252	176918	6.133	ng/u1#	92
94) Indeno(1,2,3-cd)pyrene	28.604	276	137270m	3.819	ng/u1	
95) Dibenzo(a,h)anthracene	28.675	278	53367m	1.786	ng/u1	

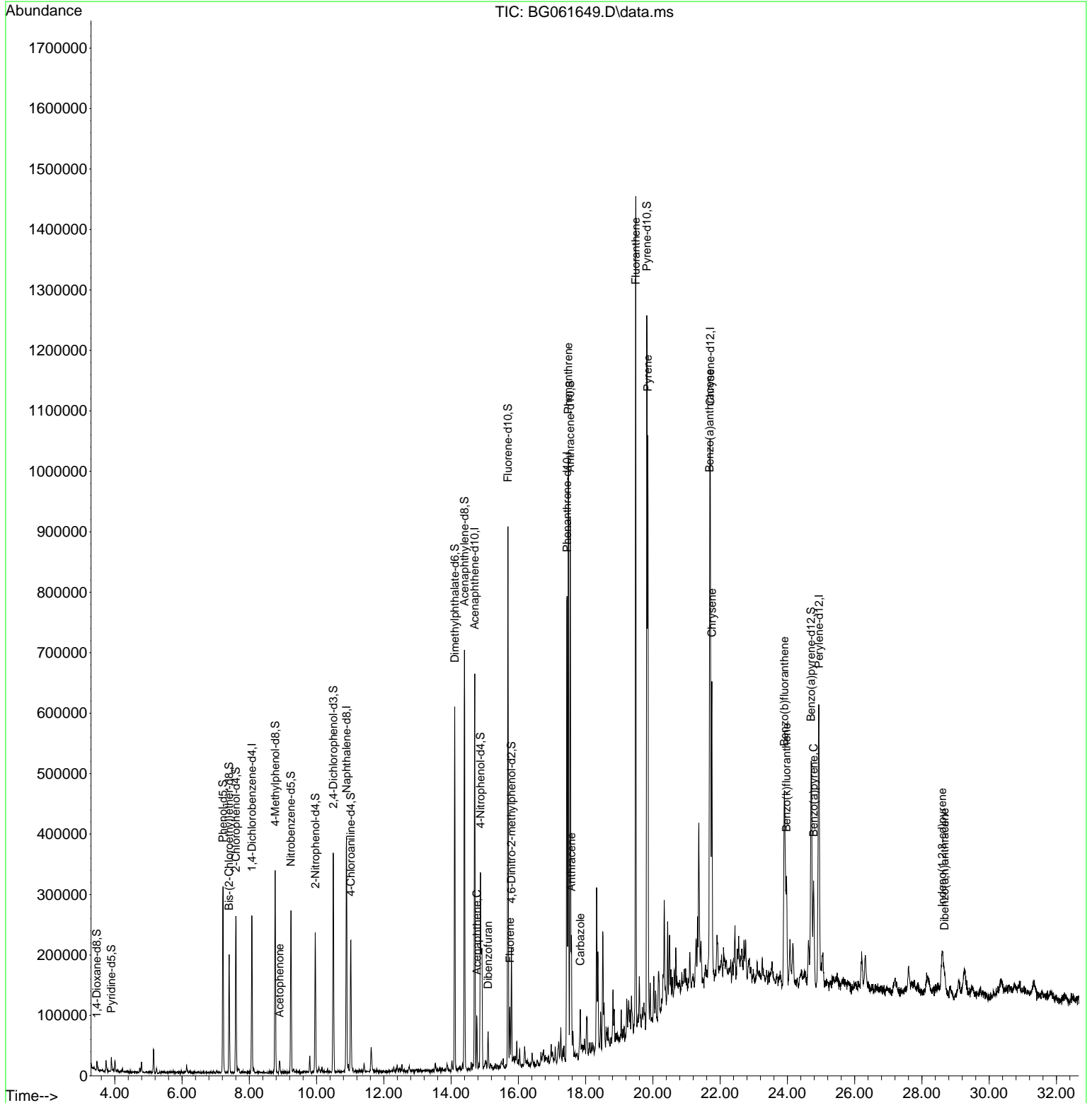
(#) = qualifier out of range (m) = manual integration (+) = signals summed

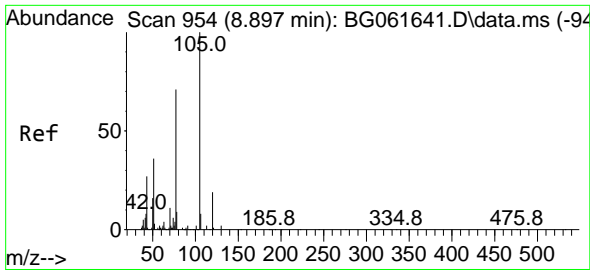
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG062224\  
 Data File : BG061649.D  
 Acq On : 22 Jun 2024 15:03  
 Operator : MA/JU  
 Sample : P2775-17  
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 Quant Title : SVOA CALIBRATION  
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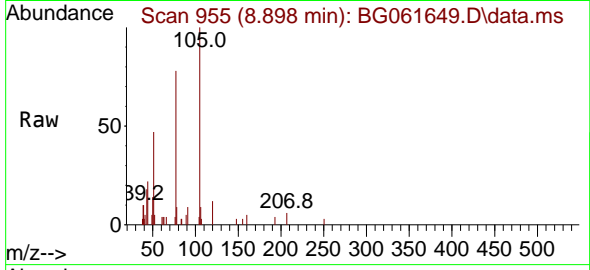
**Manual Integrations**  
**APPROVED**  
 Reviewed By :Yogesh Patel 06/24/2024  
 Supervised By :mohammad ahmed 06/24/2024





#16  
 Acetophenone  
 Concen: 1.276 ng/uI  
 RT: 8.898 min Scan# 91  
 Delta R.T. -0.001 min  
 Lab File: BG061649.D  
 Acq: 22 Jun 2024 15:03

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A4D46

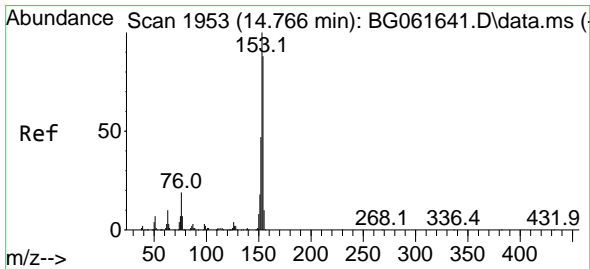
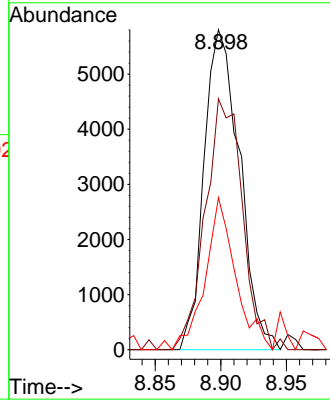
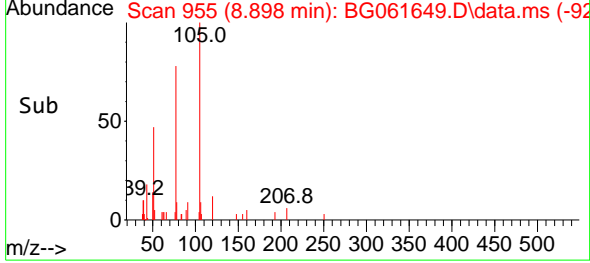


Tgt Ion:105 Resp: 1091

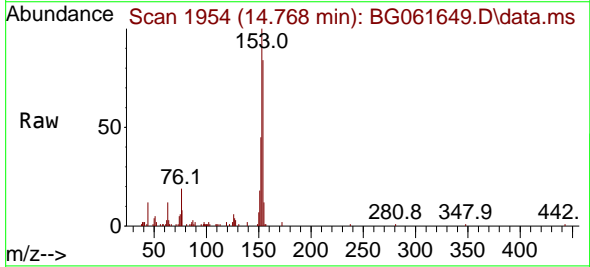
Ion	Ratio	Lower	Upper
105	100		
77	78.4	60.4	90.6
51	47.5	31.1	46.7

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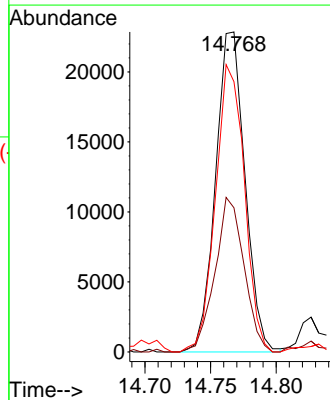
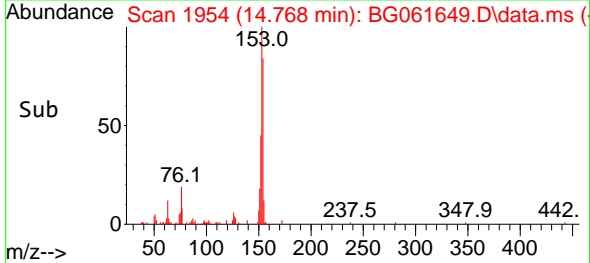


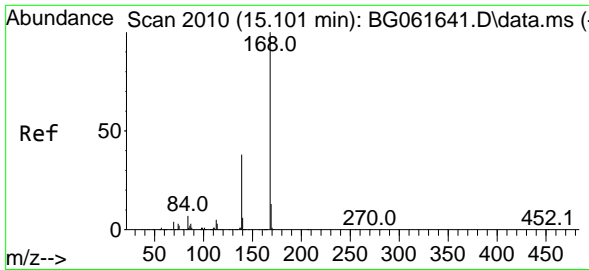
#52  
 Acenaphthene  
 Concen: 2.541 ng/uI  
 RT: 14.768 min Scan# 1954  
 Delta R.T. -0.001 min  
 Lab File: BG061649.D  
 Acq: 22 Jun 2024 15:03



Tgt Ion:153 Resp: 35663

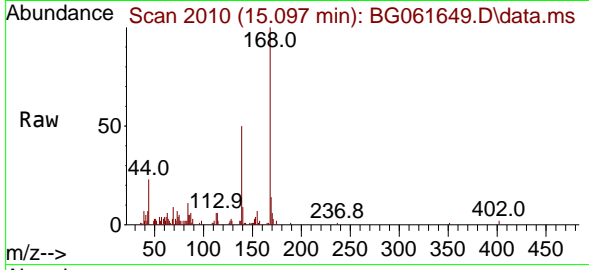
Ion	Ratio	Lower	Upper
153	100		
152	45.0	40.0	60.0
154	84.5	74.1	111.1





#56  
 Dibenzofuran  
 Concen: 1.308 ng/u1  
 RT: 15.097 min Scan# 2010  
 Delta R.T. -0.007 min  
 Lab File: BG061649.D  
 Acq: 22 Jun 2024 15:03

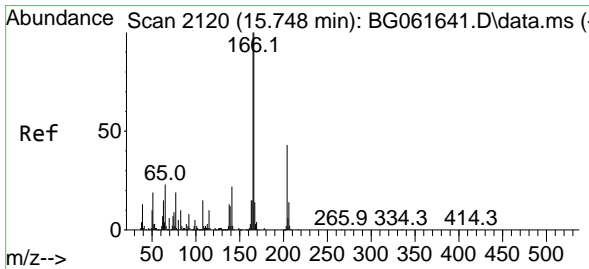
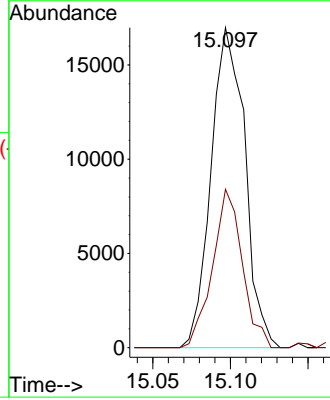
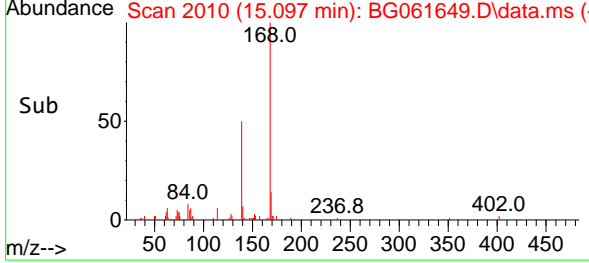
Instrument :  
 BNA\_G  
 ClientSampleId :  
 A4D46



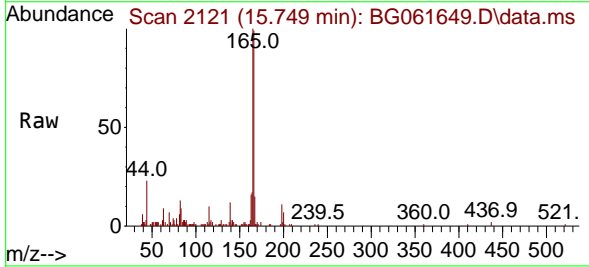
Tgt Ion:168 Resp: 2567  
 Ion Ratio Lower Upper  
 168 100  
 139 49.5 27.0 40.4

Manual Integrations  
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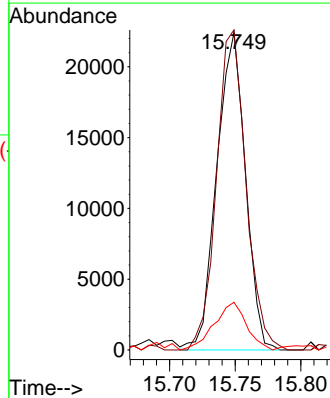
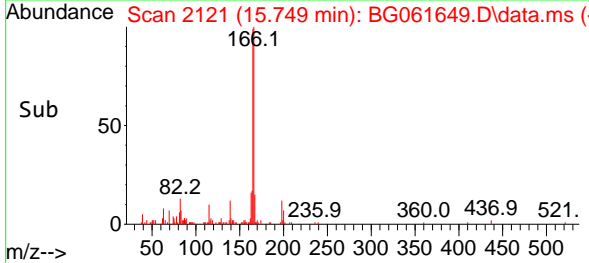
Reviewed By :Yogesh Patel 06/24/2024  
 Supervised By :mohammad ahmed 06/24/2024

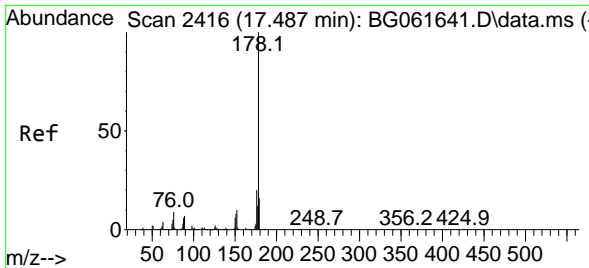


#61  
 Fluorene  
 Concen: 2.090 ng/u1  
 RT: 15.749 min Scan# 2121  
 Delta R.T. -0.001 min  
 Lab File: BG061649.D  
 Acq: 22 Jun 2024 15:03



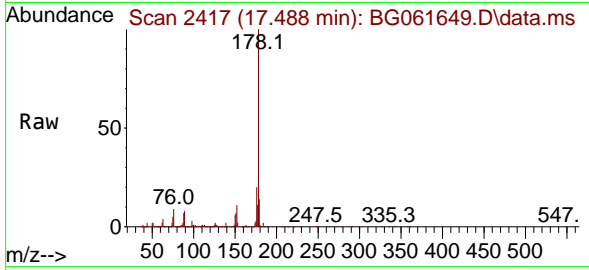
Tgt Ion:166 Resp: 33974  
 Ion Ratio Lower Upper  
 166 100  
 165 100.9 84.9 127.3  
 167 15.0 10.9 16.3





#72  
 Phenanthrene  
 Concen: 23.712 ng/u1  
 RT: 17.488 min Scan# 2416  
 Delta R.T. -0.001 min  
 Lab File: BG061649.D  
 Acq: 22 Jun 2024 15:03

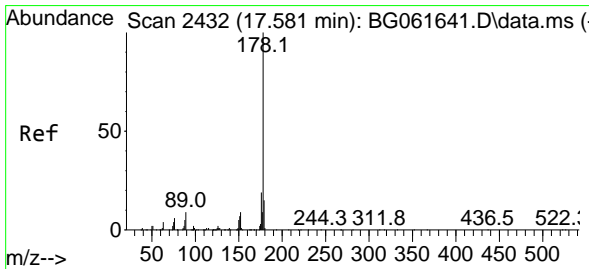
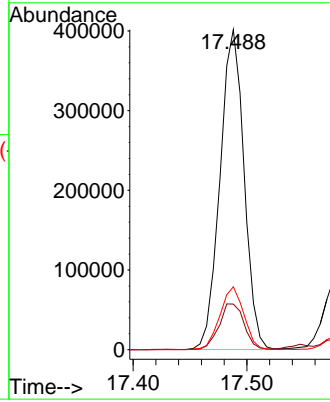
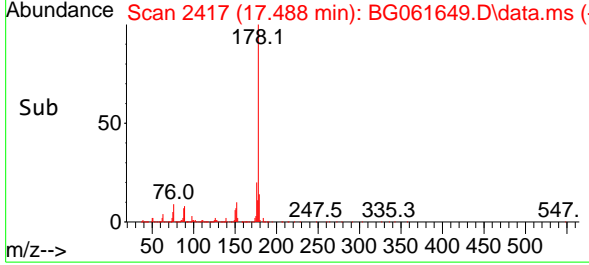
Instrument :  
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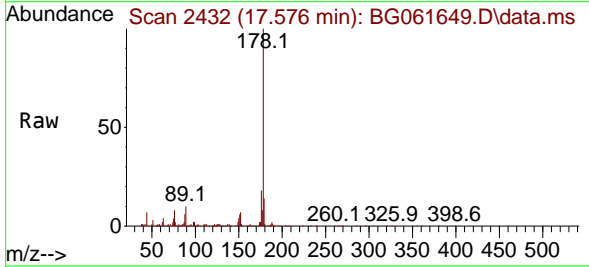
Tgt Ion:178 Resp: 58986  
 Ion Ratio Lower Upper  
 178 100  
 179 14.3 12.0 18.0  
 176 19.6 16.2 24.2

Manual Integrations  
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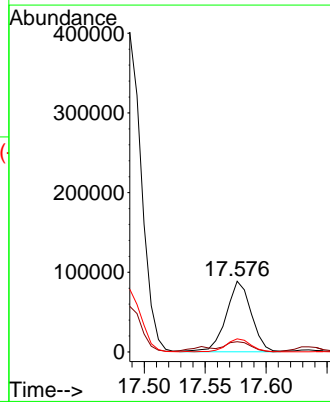
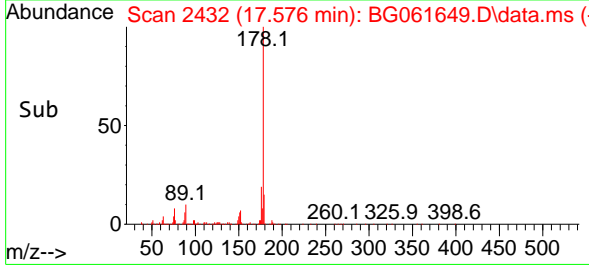
Reviewed By :Yogesh Patel 06/24/2024  
 Supervised By :mohammad ahmed 06/24/2024

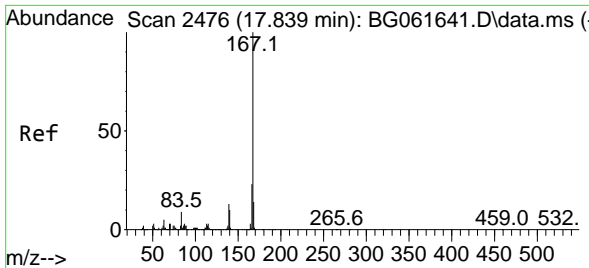


#74  
 Anthracene  
 Concen: 4.983 ng/u1  
 RT: 17.576 min Scan# 2432  
 Delta R.T. -0.001 min  
 Lab File: BG061649.D  
 Acq: 22 Jun 2024 15:03



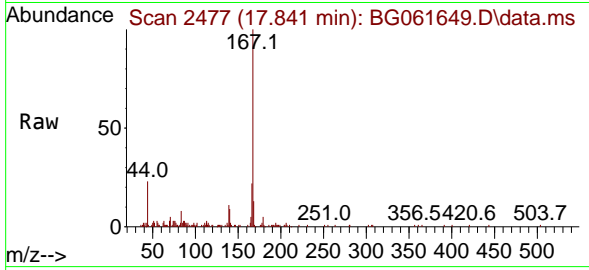
Tgt Ion:178 Resp: 126772  
 Ion Ratio Lower Upper  
 178 100  
 179 14.5 11.4 17.2  
 176 18.5 14.7 22.1





#77  
 Carbazole  
 Concen: 2.111 ng/u1  
 RT: 17.841 min Scan# 2477  
 Delta R.T. -0.001 min  
 Lab File: BG061649.D  
 Acq: 22 Jun 2024 15:03

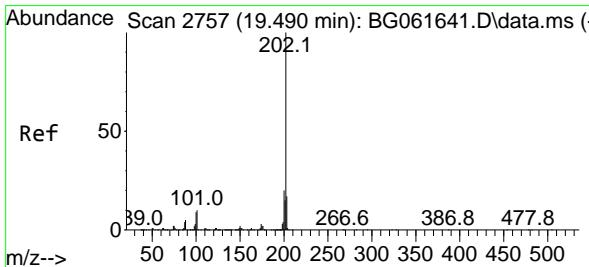
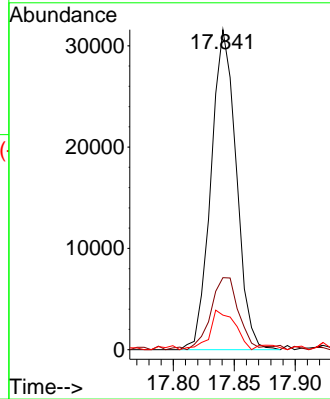
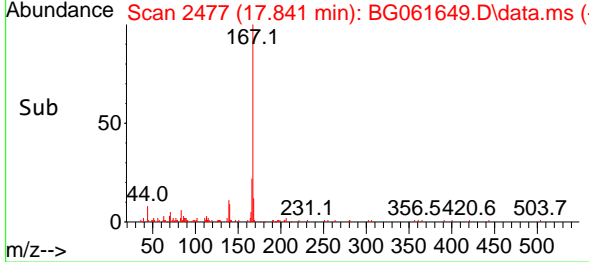
Instrument : BNA\_G  
 ClientSampleId : A4D46



Tgt Ion:167 Resp: 45592  
 Ion Ratio Lower Upper  
 167 100  
 166 22.5 17.5 26.3  
 139 10.8 9.4 14.2

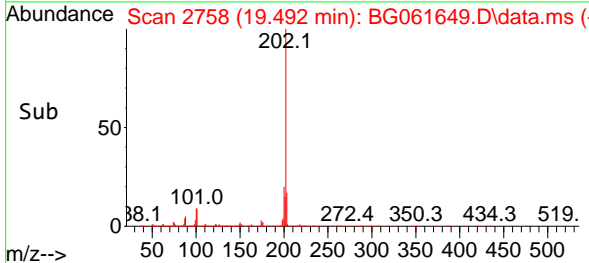
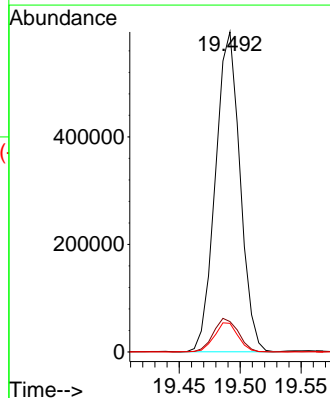
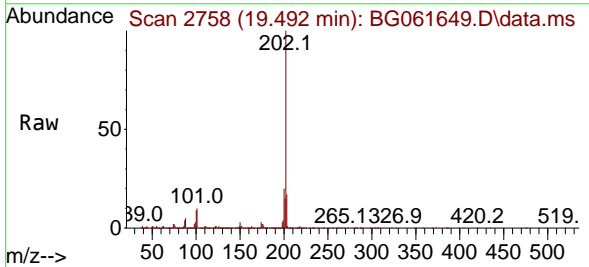
Manual Integrations  
**APPROVED**

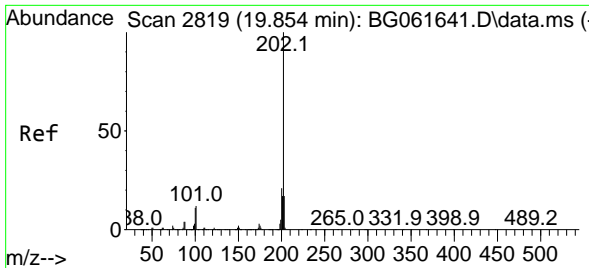
Reviewed By :Yogesh Patel 06/24/2024  
 Supervised By :mohammad ahmed 06/24/2024



#80  
 Fluoranthene  
 Concen: 31.578 ng/u1  
 RT: 19.492 min Scan# 2758  
 Delta R.T. -0.001 min  
 Lab File: BG061649.D  
 Acq: 22 Jun 2024 15:03

Tgt Ion:202 Resp: 835149  
 Ion Ratio Lower Upper  
 202 100  
 101 9.5 7.8 11.6  
 100 8.9 7.7 11.5





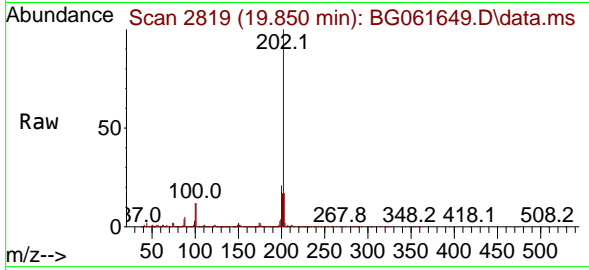
#82  
 Pyrene  
 Concen: 21.436 ng/u1  
 RT: 19.850 min Scan# 21  
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 Lab File: BG061649.D  
 Acq: 22 Jun 2024 15:03

Instrument :

BNA\_G

ClientSampleId :

A4D46



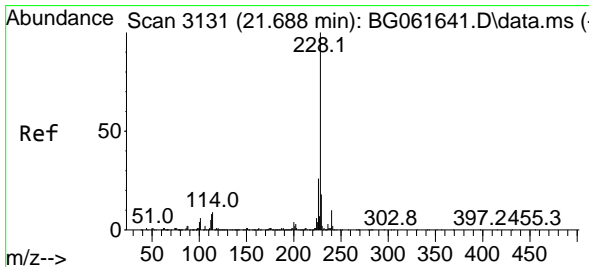
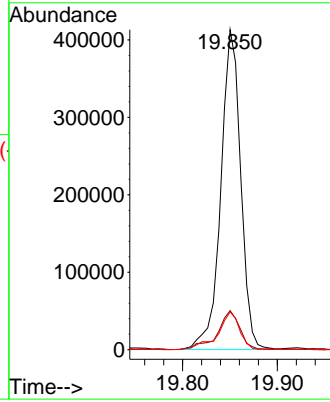
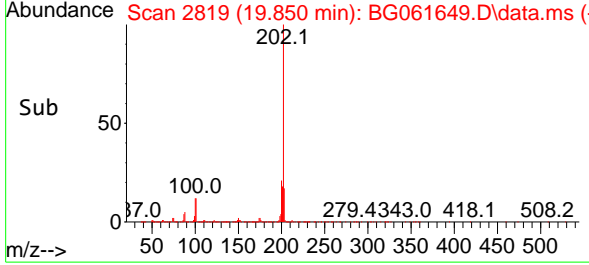
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 Ion Ratio Lower Upper  
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 101 12.2 10.1 15.1  
 100 11.8 9.9 14.9

Manual Integrations

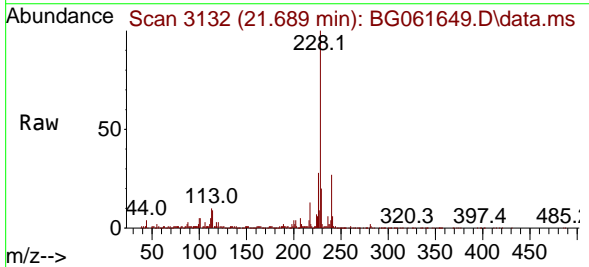
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Reviewed By :Yogesh Patel 06/24/2024

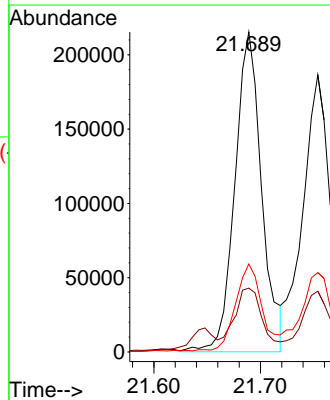
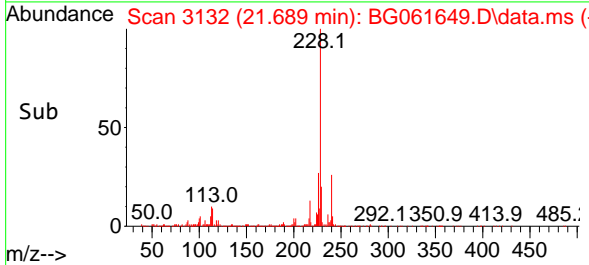
Supervised By :mohammad ahmed 06/24/2024

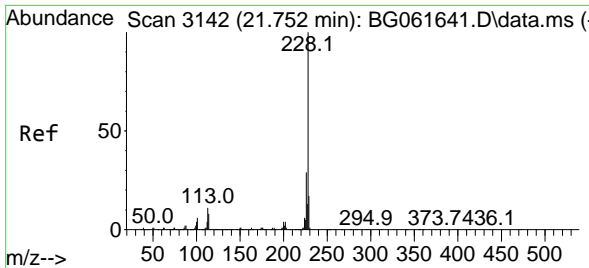


#85  
 Benzo(a)anthracene  
 Concen: 13.144 ng/u1  
 RT: 21.689 min Scan# 3132  
 Delta R.T. -0.001 min  
 Lab File: BG061649.D  
 Acq: 22 Jun 2024 15:03



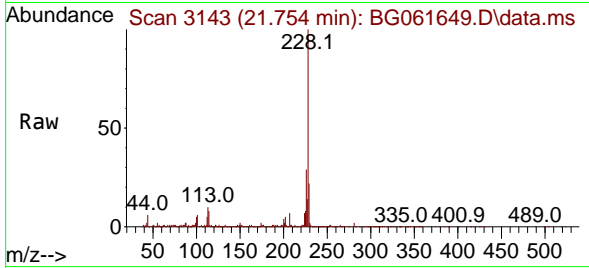
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 Ion Ratio Lower Upper  
 228 100  
 229 20.0 15.8 23.8  
 226 27.5 21.4 32.2





#87  
 Chrysene  
 Concen: 11.960 ng/ul  
 RT: 21.754 min Scan# 3142  
 Delta R.T. -0.007 min  
 Lab File: BG061649.D  
 Acq: 22 Jun 2024 15:03

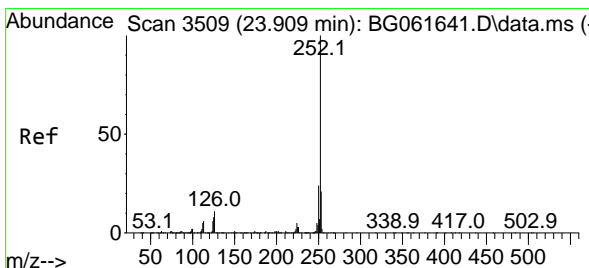
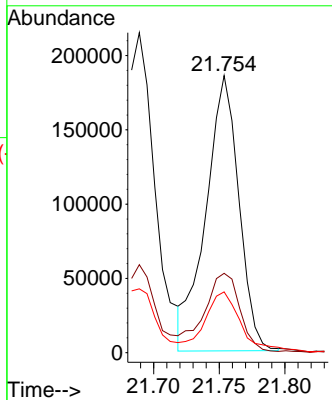
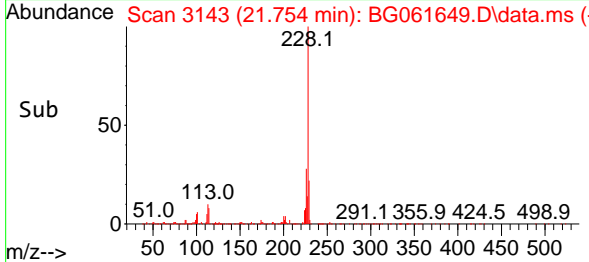
Instrument :  
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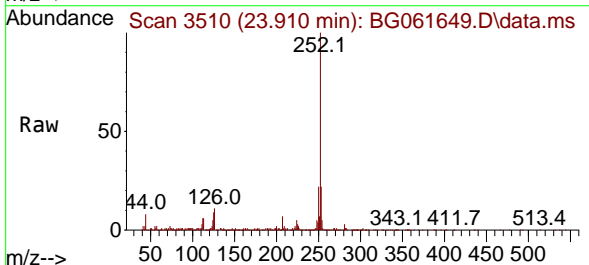
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 229 22.0 16.5 24.7

Manual Integrations  
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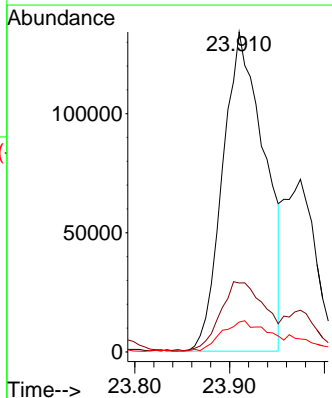
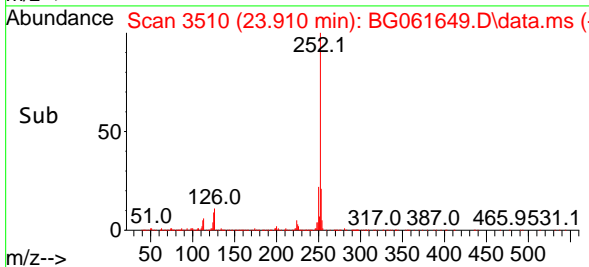
Reviewed By :Yogesh Patel 06/24/2024  
 Supervised By :mohammad ahmed 06/24/2024



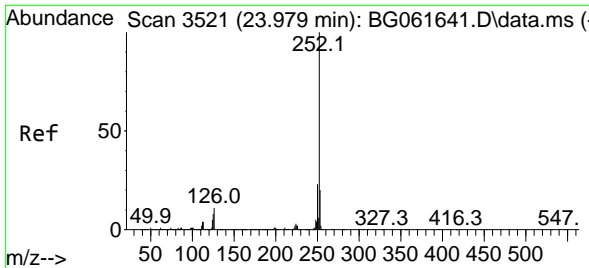
#90  
 Benzo(b)fluoranthene  
 Concen: 13.691 ng/ul  
 RT: 23.910 min Scan# 3510  
 Delta R.T. -0.007 min  
 Lab File: BG061649.D  
 Acq: 22 Jun 2024 15:03



Tgt Ion:252 Resp: 410194  
 Ion Ratio Lower Upper  
 252 100  
 253 21.6 18.6 27.8  
 125 9.4 7.0 10.6

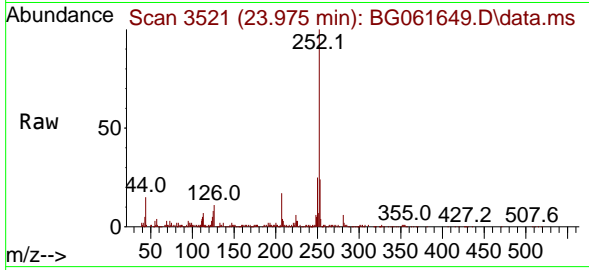






#91  
 Benzo(k)fluoranthene  
 Concen: 5.423 ng/ul m  
 RT: 23.975 min Scan# 3  
 Delta R.T. -0.007 min  
 Lab File: BG061649.D  
 Acq: 22 Jun 2024 15:03

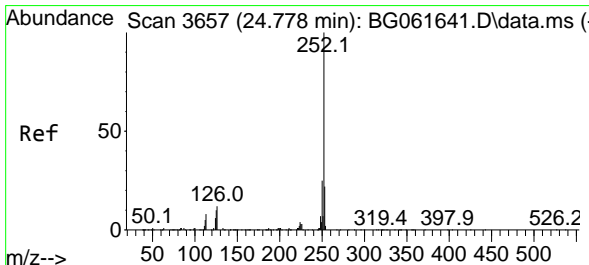
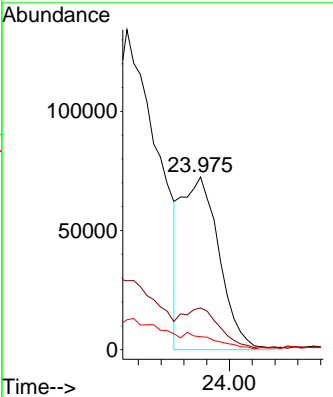
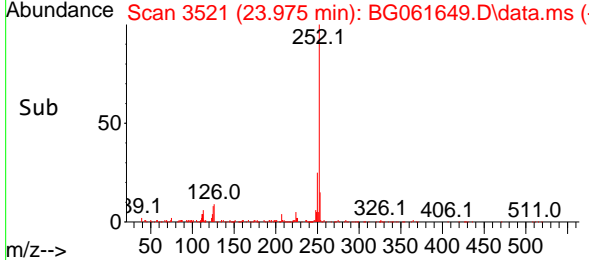
Instrument :  
 BNA\_G  
 ClientSampleId :  
 A4D46



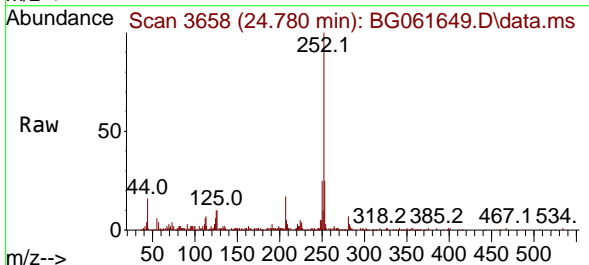
Tgt Ion:252 Resp: 16711

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.8	26.6
125	7.5	6.2	9.2

Manual Integrations  
**APPROVED**  
 Reviewed By :Yogesh Patel 06/24/2024  
 Supervised By :mohammad ahmed 06/24/2024

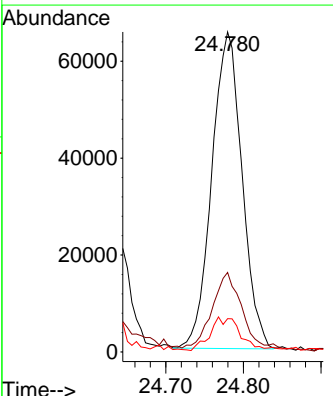
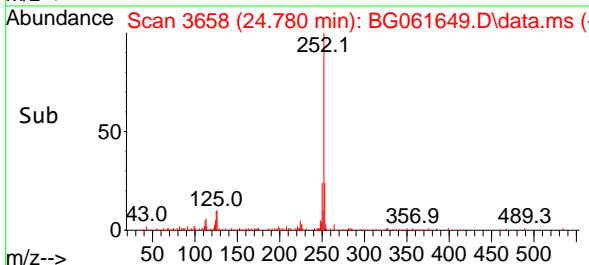


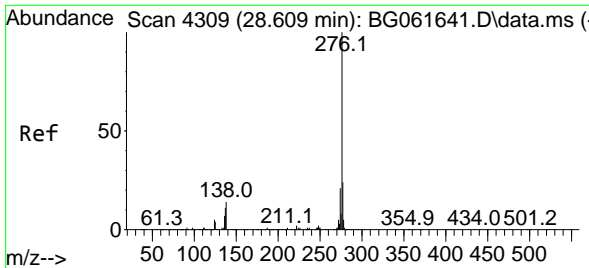
#93  
 Benzo(a)pyrene  
 Concen: 6.133 ng/ul  
 RT: 24.780 min Scan# 3658  
 Delta R.T. -0.012 min  
 Lab File: BG061649.D  
 Acq: 22 Jun 2024 15:03



Tgt Ion:252 Resp: 176918

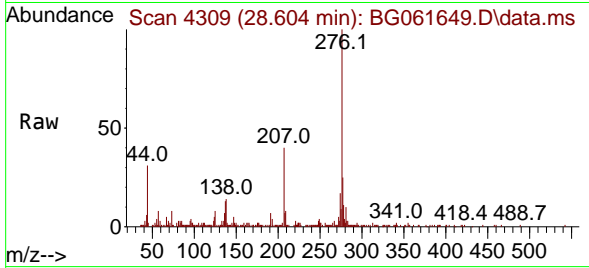
Ion	Ratio	Lower	Upper
252	100		
253	24.8	16.8	25.2
125	10.4	6.5	9.7#





#94  
 Indeno(1,2,3-cd)pyrene  
 Concen: 3.819 ng/ul m  
 RT: 28.604 min Scan# 4321  
 Delta R.T. -0.012 min  
 Lab File: BG061649.D  
 Acq: 22 Jun 2024 15:03

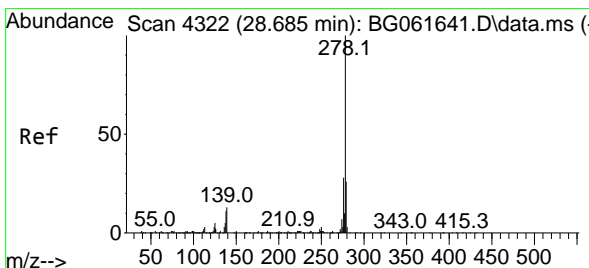
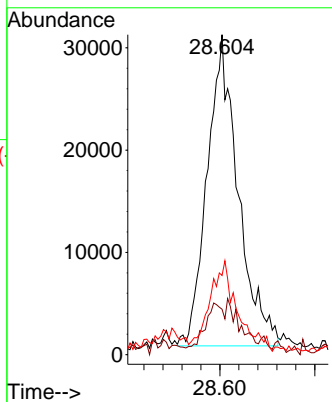
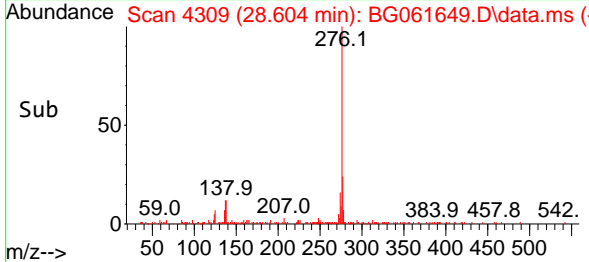
Instrument :  
 BNA\_G  
 ClientSampleId :  
 A4D46



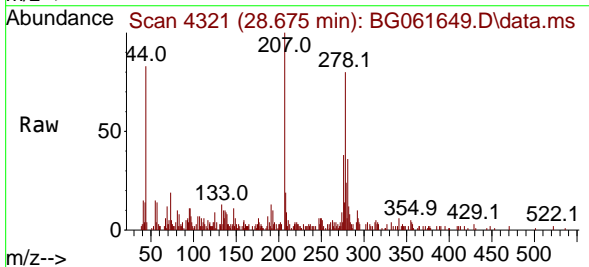
Tgt Ion: 276 Resp: 137270  
 Ion Ratio Lower Upper  
 276 100  
 138 14.2 12.2 18.4  
 277 24.8 19.7 29.5

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 06/24/2024  
 Supervised By :mohammad ahmed 06/24/2024



#95  
 Dibenzo(a,h)anthracene  
 Concen: 1.786 ng/ul m  
 RT: 28.675 min Scan# 4321  
 Delta R.T. -0.024 min  
 Lab File: BG061649.D  
 Acq: 22 Jun 2024 15:03



Tgt Ion: 278 Resp: 53367  
 Ion Ratio Lower Upper  
 278 100  
 139 9.4 9.1 13.7  
 279 30.7 18.6 28.0#

