

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062224\
 Data File : BG061648.D
 Acq On : 22 Jun 2024 14:22
 Operator : MA/JU
 Sample : P2775-22
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4D59

Manual Integrations
 APPROVED

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

Quant Time: Jun 23 02:18:14 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)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.076	152	54263	20.000	ng/u1	0.00
20) Naphthalene-d8	10.890	136	264807	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.703	164	189293	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.447	188	439036	20.000	ng/u1	0.00
79) Chrysene-d12	21.707	240	376941	20.000	ng/u1	0.00
88) Perylene-d12	24.938	264	450310	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.469	96	7434	4.949	ng/uL	0.00
4) Pyridine-d5	3.892	84	16892	3.719	ng/u1	0.00
7) Phenol-d5	7.218	99	166454	28.257	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.400	67	99513	27.099	ng/u1	0.00
11) 2-Chlorophenol-d4	7.600	132	117319	29.022	ng/u1	0.00
15) 4-Methylphenol-d8	8.769	113	124805	27.406	ng/u1	0.00
21) Nitrobenzene-d5	9.239	128	59401	33.037	ng/u1	0.00
24) 2-Nitrophenol-d4	9.968	143	69115	37.953	ng/u1	0.01
28) 2,4-Dichlorophenol-d3	10.496	165	130485	30.261	ng/u1	0.00
31) 4-Chloroaniline-d4	11.014	131	126754	19.416	ng/u1	0.00
46) Dimethylphthalate-d6	14.110	166	422497	29.004	ng/u1	0.00
49) Acenaphthylene-d8	14.398	160	495095	31.013	ng/u1	0.00
54) 4-Nitrophenol-d4	14.874	143	64567	25.809	ng/u1	0.00
60) Fluorene-d10	15.690	176	398899	31.280	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.796	200	40158	21.391	ng/u1	0.00
73) Anthracene-d10	17.541	188	593810	29.631	ng/u1	0.00
81) Pyrene-d10	19.821	212	590670	28.053	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.709	264	456116	21.207	ng/u1	-0.01
Target Compounds					Qvalue	
16) Acetophenone	8.904	105	16027m	2.137	ng/u1	
52) Acenaphthene	14.762	153	13926	1.128	ng/u1	96
61) Fluorene	15.749	166	20091	1.406	ng/u1#	85
72) Phenanthrene	17.488	178	301384	13.048	ng/u1	99
74) Anthracene	17.576	178	72992m	3.090	ng/u1	
80) Fluoranthene	19.492	202	615071	25.177	ng/u1	97
82) Pyrene	19.850	202	475817	18.317	ng/u1	97
85) Benzo(a)anthracene	21.689	228	337060	12.739	ng/u1	99
87) Chrysene	21.754	228	301151	12.028	ng/u1	98
90) Benzo(b)fluoranthene	23.910	252	440978m	16.291	ng/u1	
91) Benzo(k)fluoranthene	23.975	252	129734	4.660	ng/u1	97
93) Benzo(a)pyrene	24.786	252	200191	7.682	ng/u1	95
94) Indeno(1,2,3-cd)pyrene	28.605	276	156970m	4.834	ng/u1	
95) Dibenzo(a,h)anthracene	28.658	278	53966m	1.998	ng/u1	

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

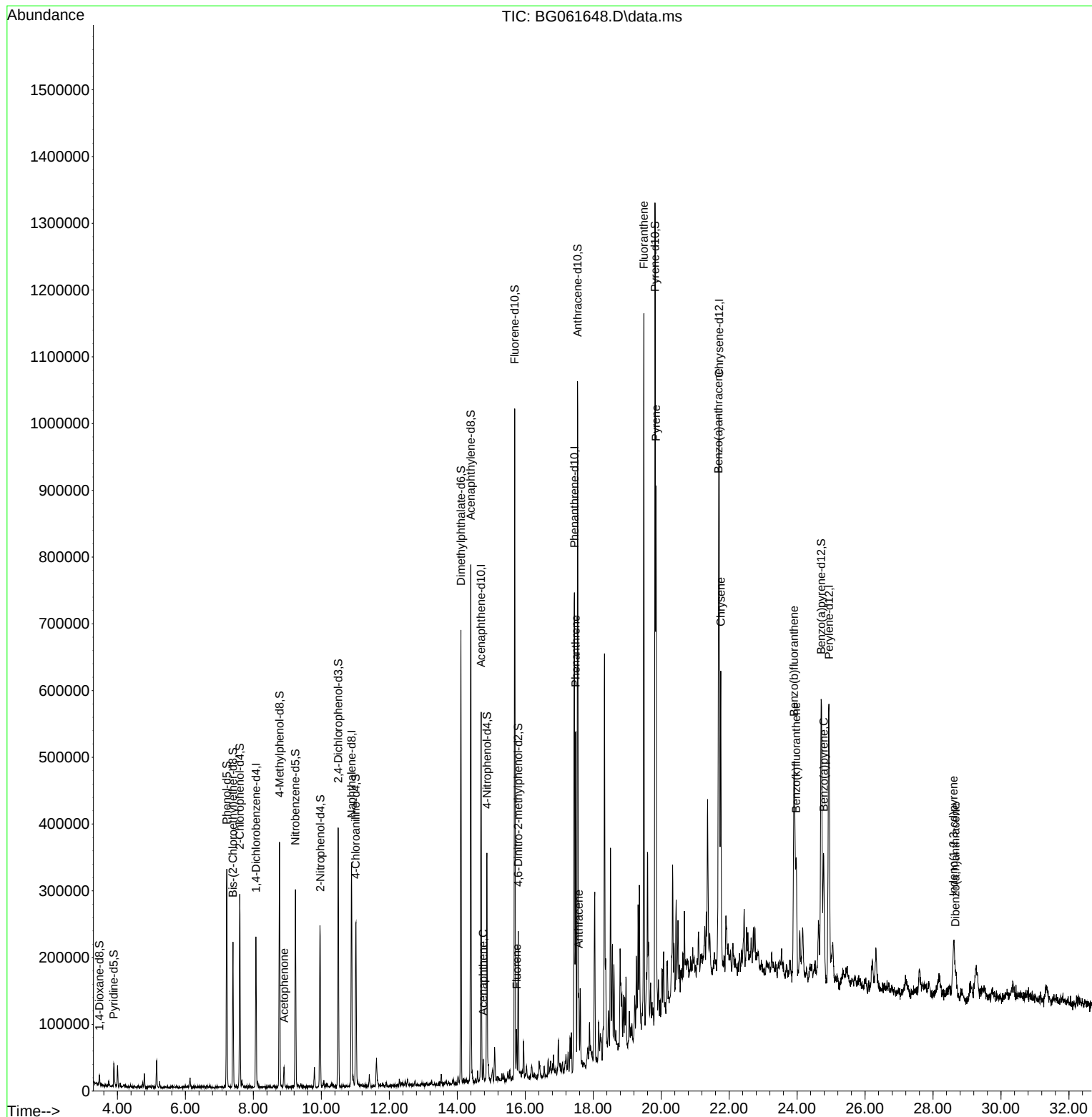
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062224\
Data File : BG061648.D
Acq On : 22 Jun 2024 14:22
Operator : MA/JU
Sample : P2775-22
Misc :
ALS Vial : 9 Sample Multiplier: 1

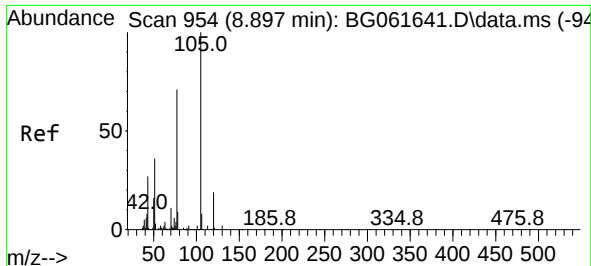
Instrument :
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ClientSampleId :
A4D59

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Quant Title : SVOA CALIBRATION
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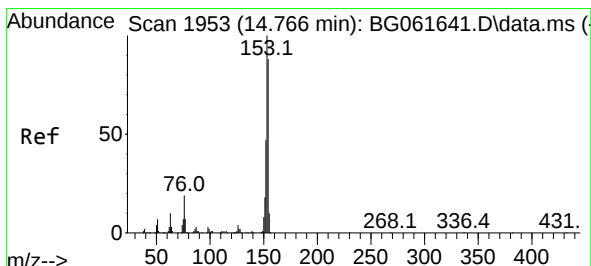
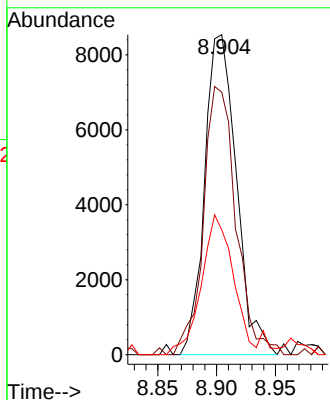
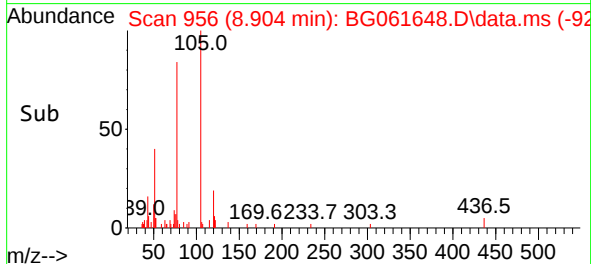
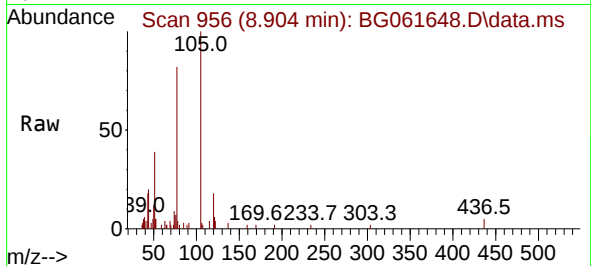
#16
Acetophenone
Concen: 2.137 ng/ul m
RT: 8.904 min Scan# 91
Delta R.T. 0.005 min
Lab File: BG061648.D
Acq: 22 Jun 2024 14:22

Instrument :
BNA_G
ClientSampleId :
A4D59

Tgt Ion:105 Resp: 1602
Ion Ratio Lower Upper
105 100
77 82.0 60.4 90.6
51 39.0 31.1 46.7

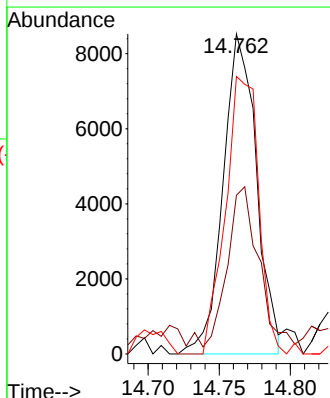
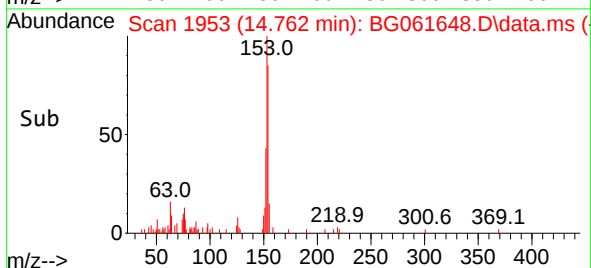
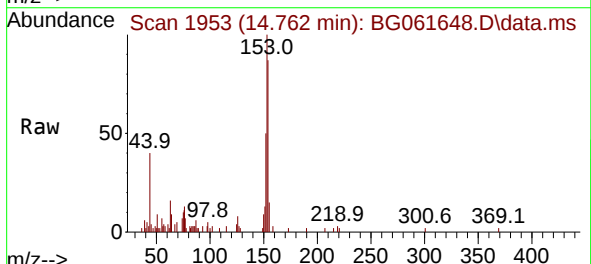
Manual Integrations
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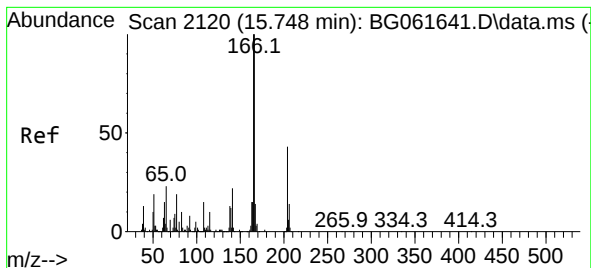
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024



#52
Acenaphthene
Concen: 1.128 ng/ul
RT: 14.762 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BG061648.D
Acq: 22 Jun 2024 14:22

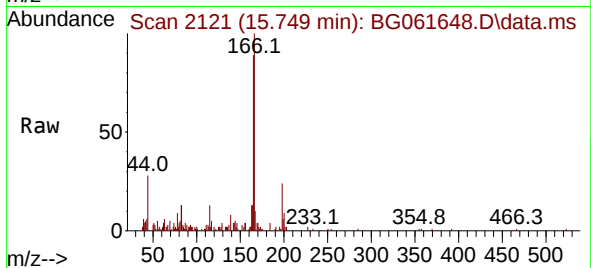
Tgt Ion:153 Resp: 13926
Ion Ratio Lower Upper
153 100
152 49.6 40.0 60.0
154 86.7 74.1 111.1





#61
Fluorene
Concen: 1.406 ng/ul
RT: 15.749 min Scan# 2120
Delta R.T. -0.001 min
Lab File: BG061648.D
Acq: 22 Jun 2024 14:22

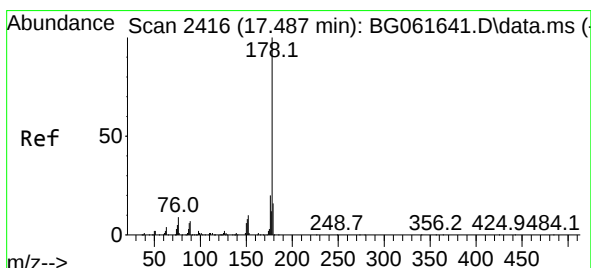
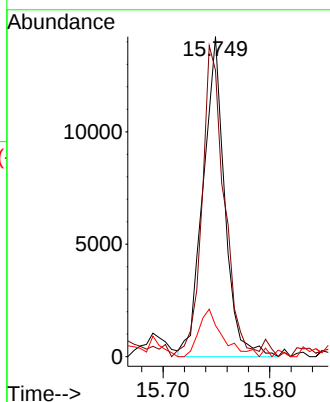
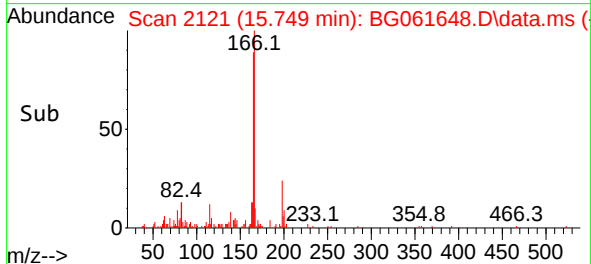
Instrument :
BNA_G
ClientSampleId :
A4D59



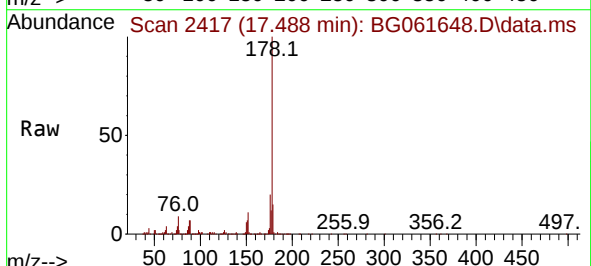
Tgt Ion:166 Resp: 2009
Ion Ratio Lower Upper
166 100
165 89.5 84.9 127.3
167 9.8 10.9 16.3

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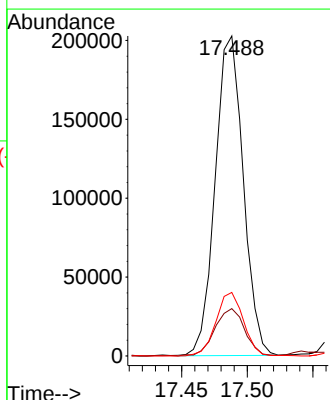
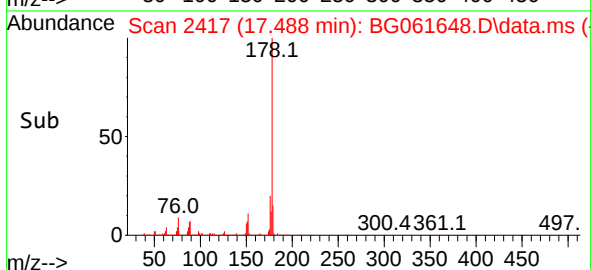
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024

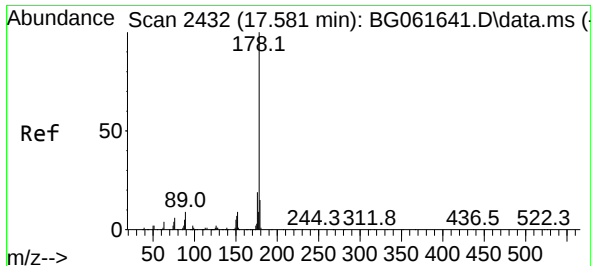


#72
Phenanthrene
Concen: 13.048 ng/ul
RT: 17.488 min Scan# 2417
Delta R.T. -0.001 min
Lab File: BG061648.D
Acq: 22 Jun 2024 14:22



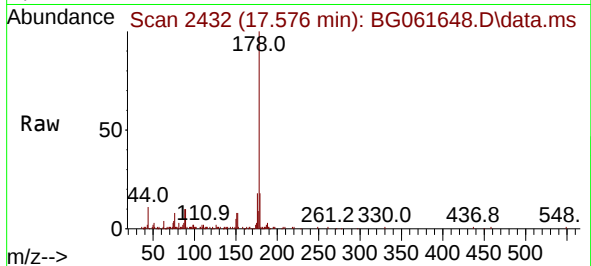
Tgt Ion:178 Resp: 301384
Ion Ratio Lower Upper
178 100
179 14.8 12.0 18.0
176 19.9 16.2 24.2





#74
 Anthracene
 Concen: 3.090 ng/ul m
 RT: 17.576 min Scan# 2432
 Delta R.T. -0.001 min
 Lab File: BG061648.D
 Acq: 22 Jun 2024 14:22

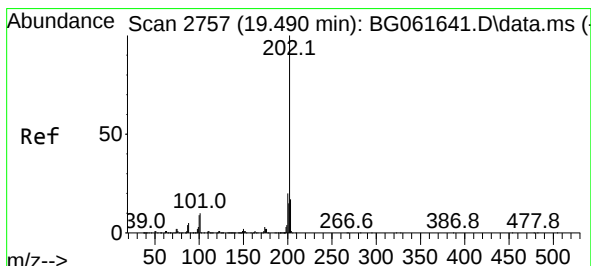
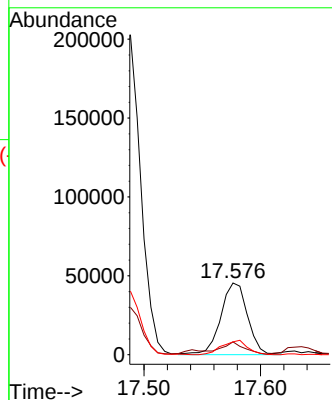
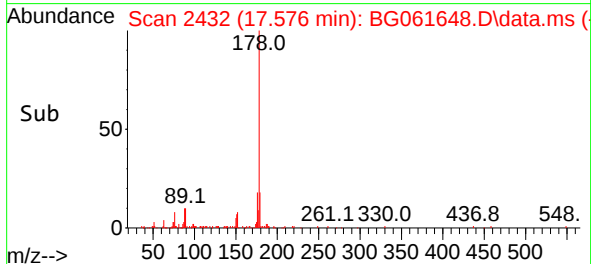
Instrument :
 BNA_G
 ClientSampleId :
 A4D59



Tgt Ion:178 Resp: 72992
 Ion Ratio Lower Upper
 178 100
 179 18.0 11.4 17.2
 176 18.0 14.7 22.1

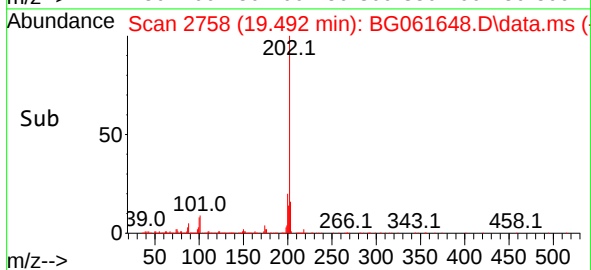
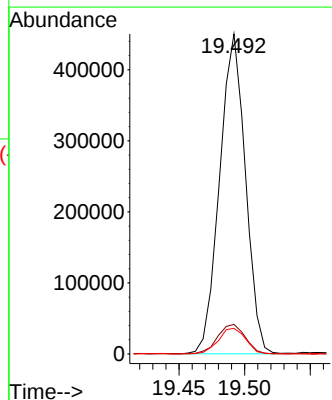
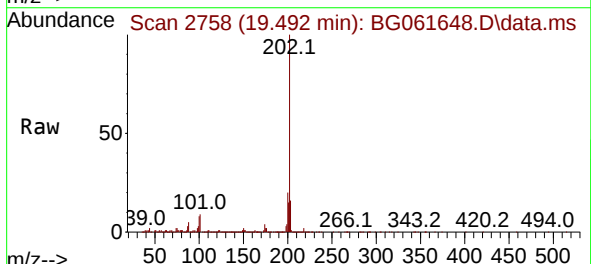
Manual Integrations
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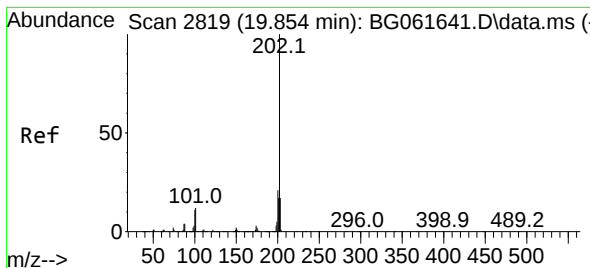
Reviewed By :Yogesh Patel 06/24/2024
 Supervised By :mohammad ahmed 06/24/2024



#80
 Fluoranthene
 Concen: 25.177 ng/ul
 RT: 19.492 min Scan# 2758
 Delta R.T. -0.001 min
 Lab File: BG061648.D
 Acq: 22 Jun 2024 14:22

Tgt Ion:202 Resp: 615071
 Ion Ratio Lower Upper
 202 100
 101 9.2 7.8 11.6
 100 8.0 7.7 11.5





#82

Pyrene

Concen: 18.317 ng/ul

RT: 19.850 min Scan# 21

Delta R.T. -0.001 min

Lab File: BG061648.D

Acq: 22 Jun 2024 14:22

Instrument :

BNA_G

ClientSampleId :

A4D59

Tgt Ion:202 Resp: 47581

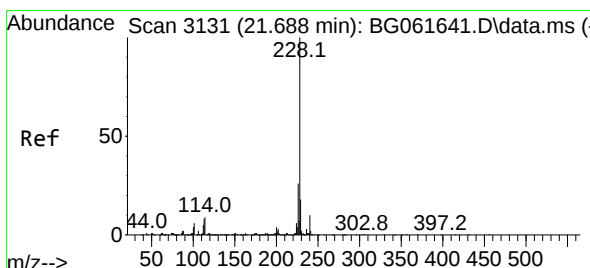
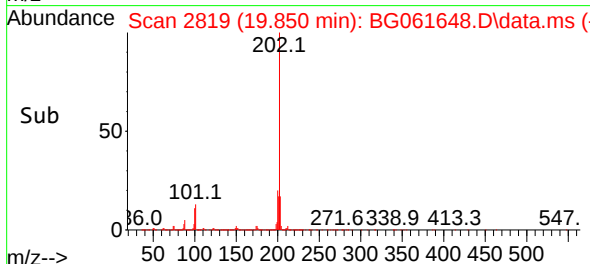
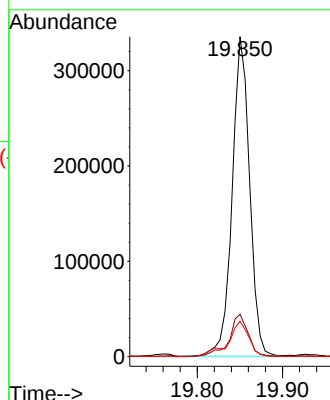
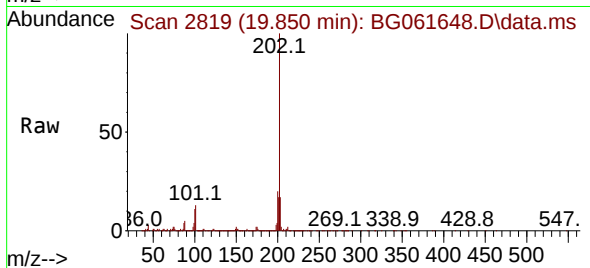
Ion	Ratio	Lower	Upper
202	100		
101	13.3	10.1	15.1
100	11.0	9.9	14.9

Manual Integrations

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Supervised By :mohammad ahmed 06/24/2024



#85

Benzo(a)anthracene

Concen: 12.739 ng/ul

RT: 21.689 min Scan# 3132

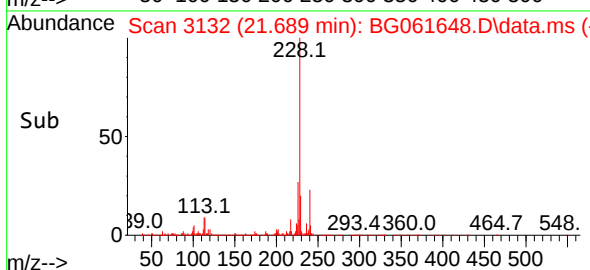
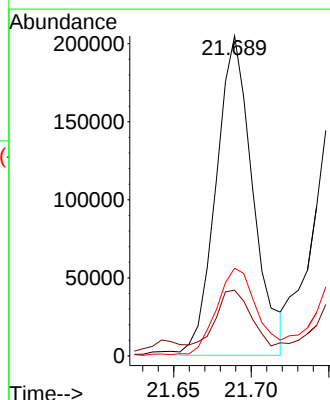
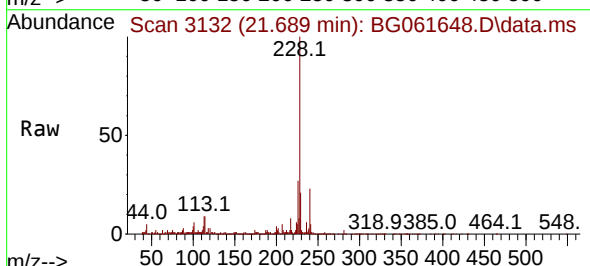
Delta R.T. -0.001 min

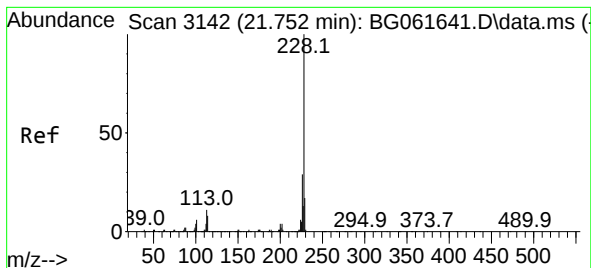
Lab File: BG061648.D

Acq: 22 Jun 2024 14:22

Tgt Ion:228 Resp: 337060

Ion	Ratio	Lower	Upper
228	100		
229	20.5	15.8	23.8
226	27.4	21.4	32.2





#87

Chrysene

Concen: 12.028 ng/ul

RT: 21.754 min Scan# 3143

Delta R.T. -0.006 min

Lab File: BG061648.D

Acq: 22 Jun 2024 14:22

Instrument :

BNA_G

ClientSampleId :

A4D59

Tgt Ion:228 Resp: 30115

Ion Ratio Lower Upper

228 100

226 31.6 24.2 36.2

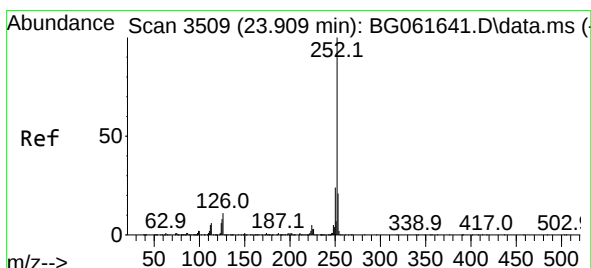
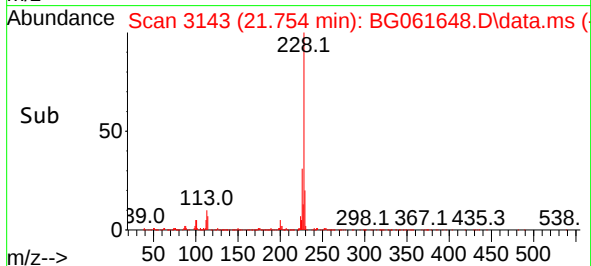
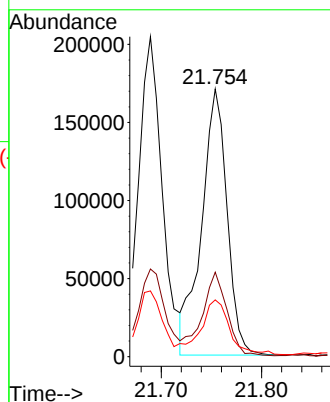
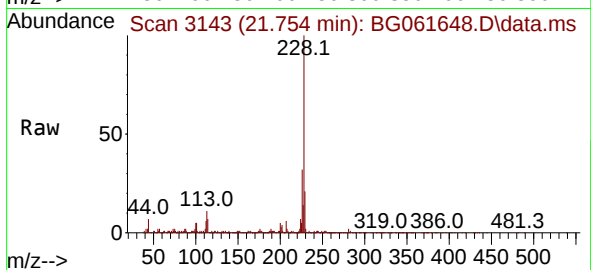
229 21.2 16.5 24.7

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Supervised By :mohammad ahmed 06/24/2024



#90

Benzo(b)fluoranthene

Concen: 16.291 ng/ul m

RT: 23.910 min Scan# 3510

Delta R.T. -0.006 min

Lab File: BG061648.D

Acq: 22 Jun 2024 14:22

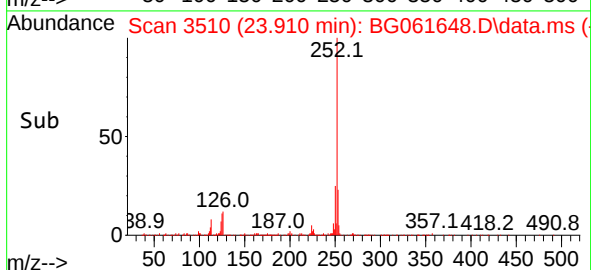
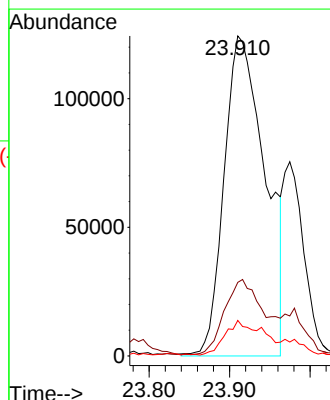
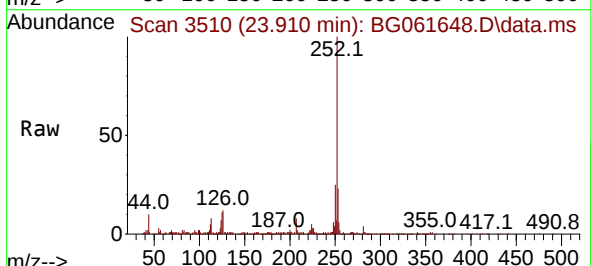
Tgt Ion:252 Resp: 440978

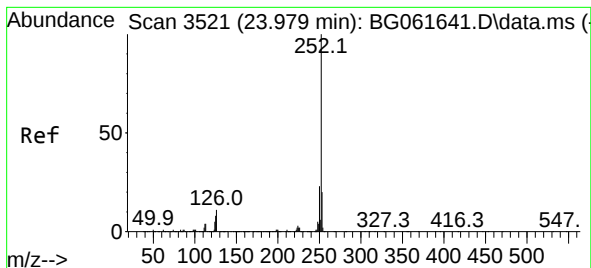
Ion Ratio Lower Upper

252 100

253 23.0 18.6 27.8

125 11.1 7.0 10.6#





#91

Benzo(k)fluoranthene

Concen: 4.660 ng/ul

RT: 23.975 min Scan# 3521

Delta R.T. -0.006 min

Lab File: BG061648.D

Acq: 22 Jun 2024 14:22

Instrument :

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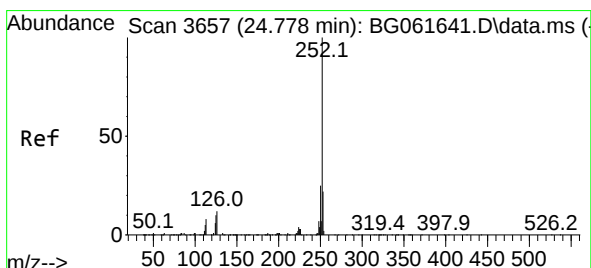
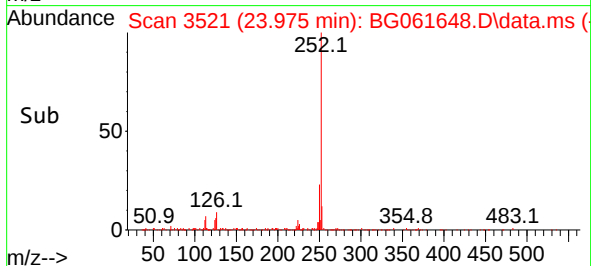
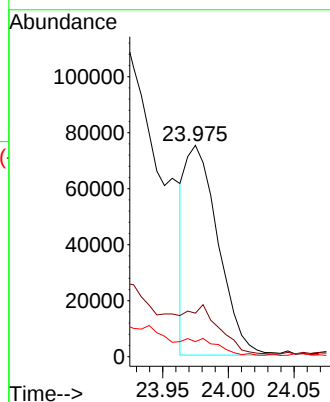
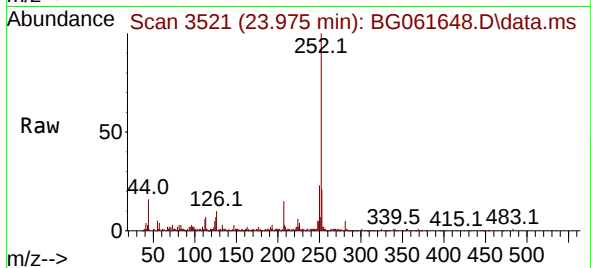
Tgt Ion:252 Resp: 129734
 Ion Ratio Lower Upper
 252 100
 253 20.6 17.8 26.6
 125 7.1 6.2 9.2

Manual Integrations

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Supervised By :mohammad ahmed 06/24/2024



#93

Benzo(a)pyrene

Concen: 7.682 ng/ul

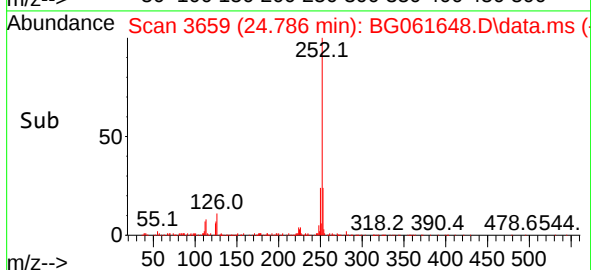
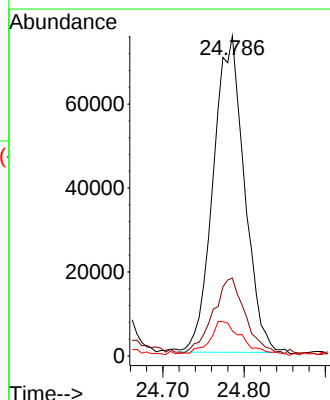
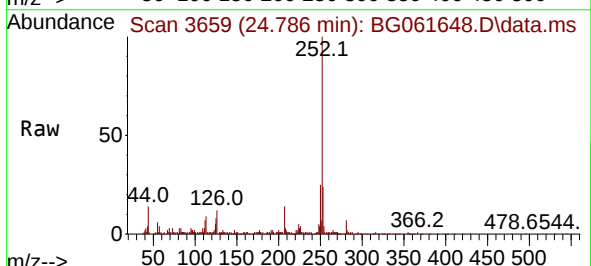
RT: 24.786 min Scan# 3659

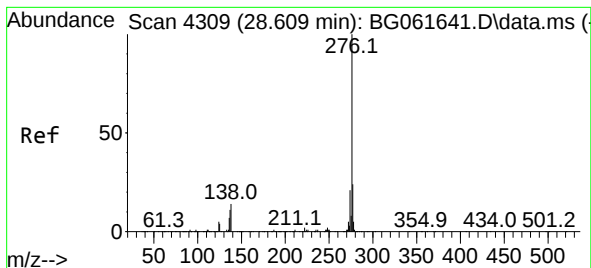
Delta R.T. -0.006 min

Lab File: BG061648.D

Acq: 22 Jun 2024 14:22

Tgt Ion:252 Resp: 200191
 Ion Ratio Lower Upper
 252 100
 253 24.4 16.8 25.2
 125 7.9 6.5 9.7





#94

Indeno(1,2,3-cd)pyrene

Concen: 4.834 ng/ul m

RT: 28.605 min Scan# 4309

Delta R.T. -0.012 min

Lab File: BG061648.D

Acq: 22 Jun 2024 14:22

Instrument :

BNA_G

ClientSampleId :

A4D59

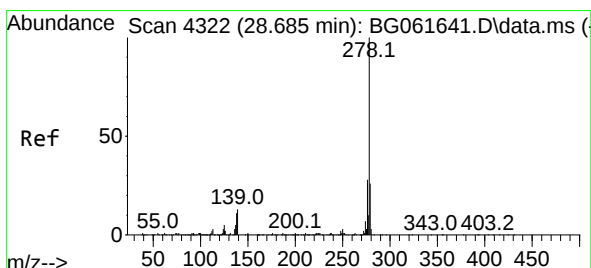
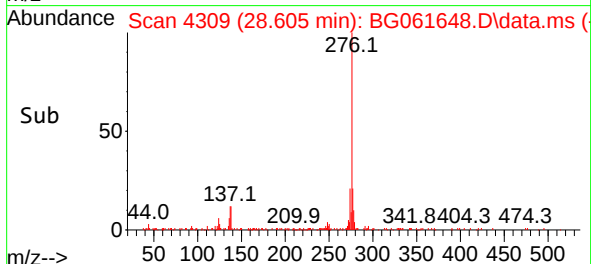
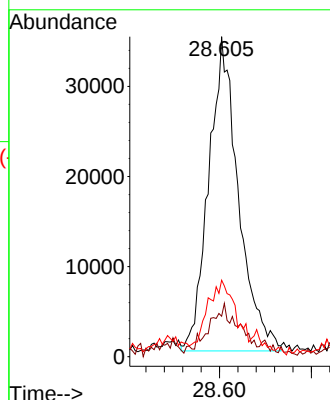
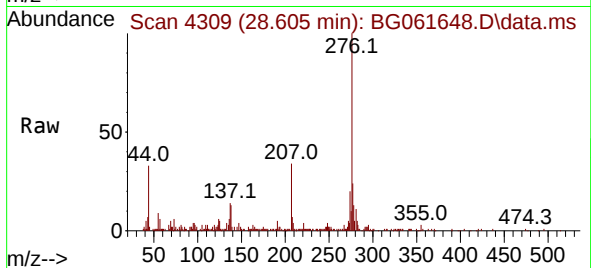
Tgt Ion:	276	Resp:	156970
Ion Ratio	Lower	Upper	
276	100		
138	12.7	12.2	18.4
277	23.9	19.7	29.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/24/2024

Supervised By :mohammad ahmed 06/24/2024



#95

Dibenzo(a,h)anthracene

Concen: 1.998 ng/ul m

RT: 28.658 min Scan# 4318

Delta R.T. -0.042 min

Lab File: BG061648.D

Acq: 22 Jun 2024 14:22

Tgt Ion:	278	Resp:	53966
Ion Ratio	Lower	Upper	
278	100		
139	10.9	9.1	13.7
279	26.2	18.6	28.0

