

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070124\
 Data File : BG061844.D
 Acq On : 2 Jul 2024 13:03
 Operator : MA/JU
 Sample : P2963-16
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4CS7

Manual Integrations
 APPROVED

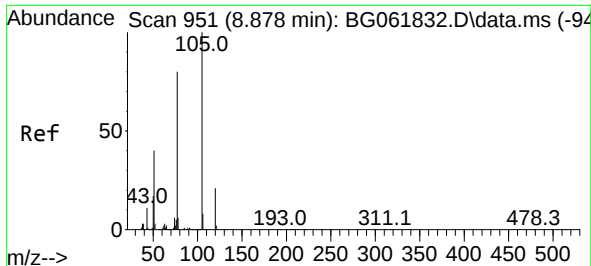
Reviewed By :Jagrut Upadhyay 07/02/2024
 Supervised By :mohammad ahmed 07/04/2024

Quant Time: Jul 02 16:06:06 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 27 12:23:53 2024
 Response via : Initial Calibration

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

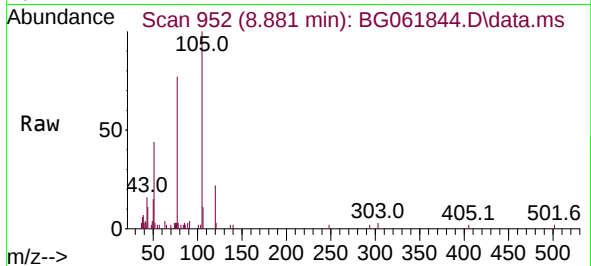
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.058	152	76963	20.000	ng/u1	0.00
20) Naphthalene-d8	10.873	136	350205	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.686	164	221637	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.436	188	466913	20.000	ng/u1	0.00
79) Chrysene-d12	21.695	240	346491	20.000	ng/u1	0.00
88) Perylene-d12	24.927	264	414930	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.458	96	7919	3.717	ng/uL	0.00
4) Pyridine-d5	3.893	84	4643	0.721	ng/u1	0.02
7) Phenol-d5	7.218	99	219403	26.260	ng/u1	0.02
9) Bis-(2-Chloroethyl)eth...	7.383	67	134595	25.842	ng/u1	0.00
11) 2-Chlorophenol-d4	7.588	132	157535	27.476	ng/u1	0.00
15) 4-Methylphenol-d8	8.763	113	154758	23.960	ng/u1	0.01
21) Nitrobenzene-d5	9.228	128	77084	32.417	ng/u1	0.00
24) 2-Nitrophenol-d4	9.944	143	93465	38.809	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.491	165	167299	29.337	ng/u1	0.01
31) 4-Chloroaniline-d4	11.008	131	23545	2.727	ng/u1	0.01
46) Dimethylphthalate-d6	14.092	166	495890	29.075	ng/u1	0.00
49) Acenaphthylene-d8	14.386	160	562361	30.086	ng/u1	0.00
54) 4-Nitrophenol-d4	14.886	143	64463	22.007	ng/u1	0.02
60) Fluorene-d10	15.679	176	429062	28.735	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.790	200	28905	14.477	ng/u1	0.00
73) Anthracene-d10	17.530	188	611647	28.699	ng/u1	0.00
81) Pyrene-d10	19.815	212	529684	27.368	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.704	264	384415	19.398	ng/u1	0.02
Target Compounds						
					Qvalue	
16) Acetophenone	8.881	105	14377	1.352	ng/u1	96
72) Phenanthrene	17.477	178	220851	8.991	ng/u1	99
74) Anthracene	17.565	178	40579	1.615	ng/u1	98
77) Carbazole	17.835	167	21674	1.016	ng/u1	95
80) Fluoranthene	19.480	202	467792	20.831	ng/u1	98
82) Pyrene	19.845	202	322322	13.499	ng/u1#	94
85) Benzo(a)anthracene	21.678	228	203877	8.382	ng/u1	99
86) Bis(2-ethylhexyl)phtha...	21.584	149	86055	6.734	ng/u1#	96
87) Chrysene	21.742	228	235891	10.250	ng/u1	99
90) Benzo(b)fluoranthene	23.904	252	353065	14.155	ng/u1#	95
91) Benzo(k)fluoranthene	23.957	252	108698m	4.237	ng/u1	
93) Benzo(a)pyrene	24.768	252	118658	4.941	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	28.599	276	127703m	4.268	ng/u1	
95) Dibenzo(a,h)anthracene	28.640	278	45115m	1.813	ng/u1	

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



#16
Acetophenone
Concen: 1.352 ng/ul
RT: 8.881 min Scan# 91
Delta R.T. -0.001 min
Lab File: BG061844.D
Acq: 2 Jul 2024 13:03

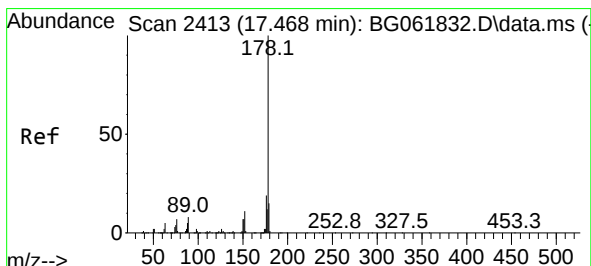
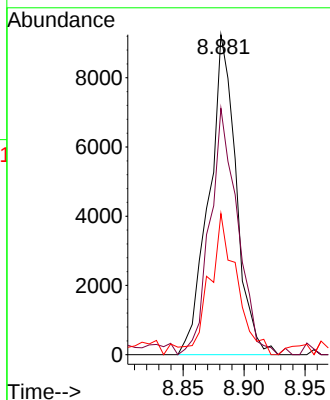
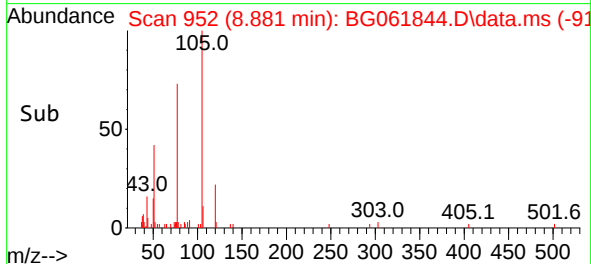
Instrument :
BNA_G
ClientSampleId :
A4CS7



Tgt Ion:105 Resp: 1437
Ion Ratio Lower Upper
105 100
77 77.0 60.4 90.6
51 44.1 31.1 46.7

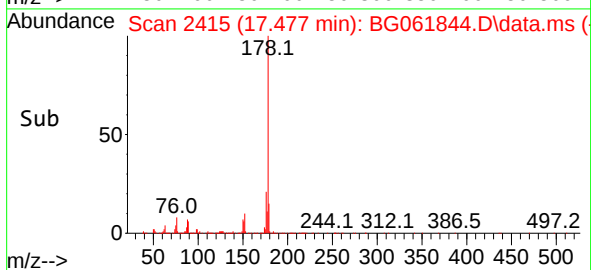
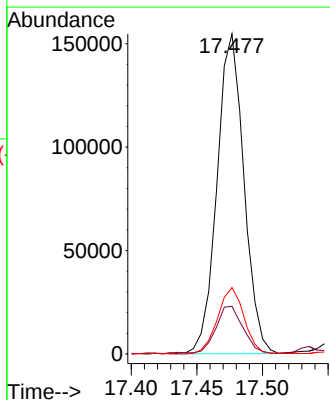
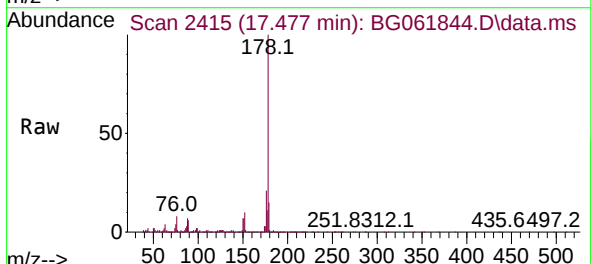
Manual Integrations
APPROVED

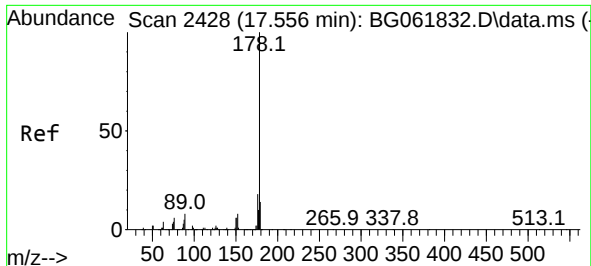
Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/04/2024



#72
Phenanthrene
Concen: 8.991 ng/ul
RT: 17.477 min Scan# 2415
Delta R.T. 0.005 min
Lab File: BG061844.D
Acq: 2 Jul 2024 13:03

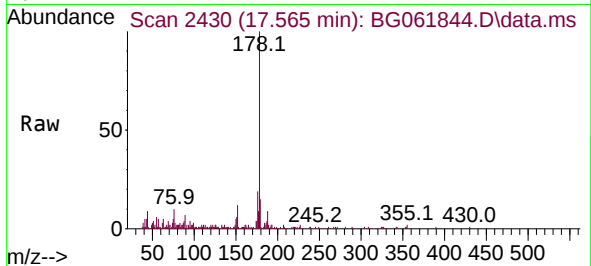
Tgt Ion:178 Resp: 220851
Ion Ratio Lower Upper
178 100
179 14.9 12.0 18.0
176 20.8 16.2 24.2





#74
 Anthracene
 Concen: 1.615 ng/ul
 RT: 17.565 min Scan# 2428
 Delta R.T. -0.001 min
 Lab File: BG061844.D
 Acq: 2 Jul 2024 13:03

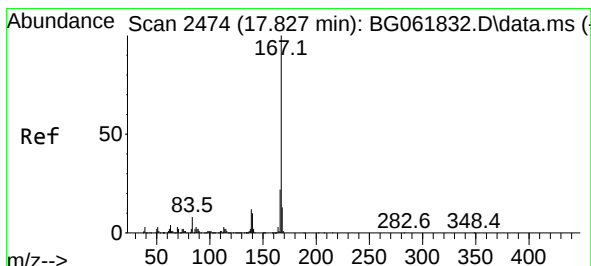
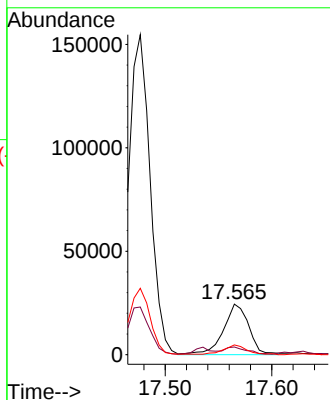
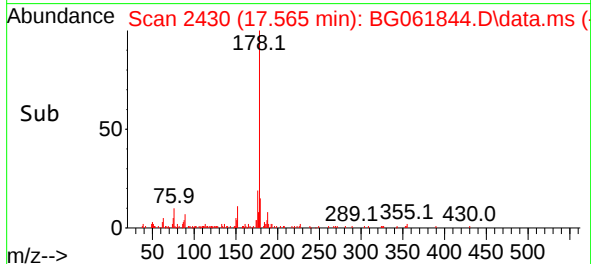
Instrument :
 BNA_G
 ClientSampleId :
 A4CS7



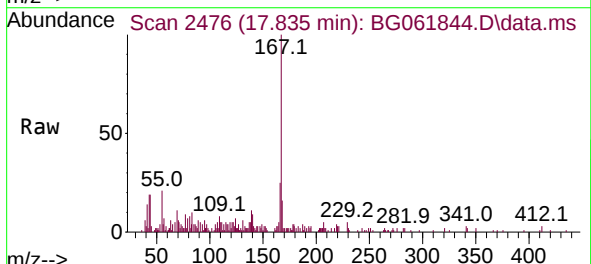
Tgt Ion:178 Resp: 40579
 Ion Ratio Lower Upper
 178 100
 179 15.2 11.4 17.2
 176 19.2 14.7 22.1

Manual Integrations
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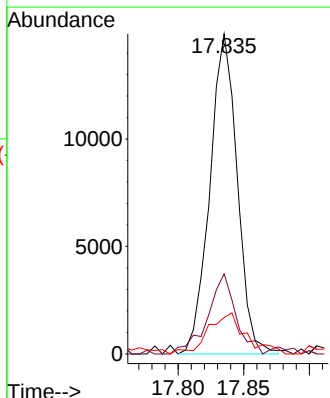
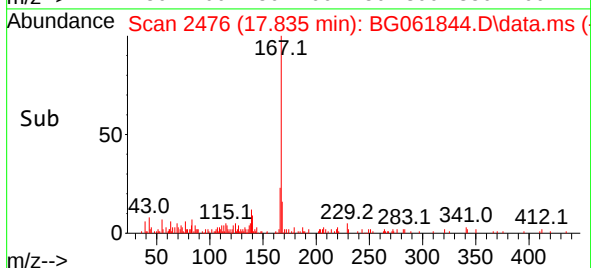
Reviewed By :Jagrut Upadhyay 07/02/2024
 Supervised By :mohammad ahmed 07/04/2024

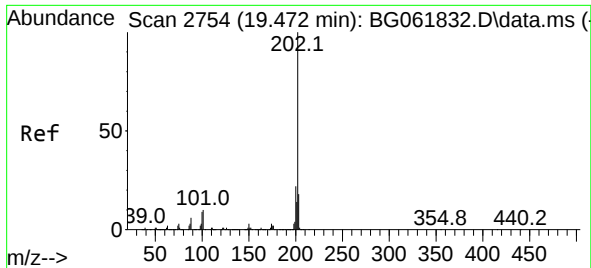


#77
 Carbazole
 Concen: 1.016 ng/ul
 RT: 17.835 min Scan# 2476
 Delta R.T. 0.005 min
 Lab File: BG061844.D
 Acq: 2 Jul 2024 13:03



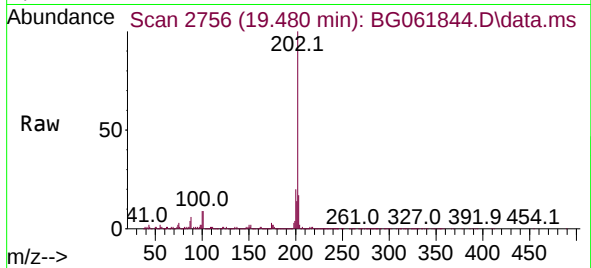
Tgt Ion:167 Resp: 21674
 Ion Ratio Lower Upper
 167 100
 166 25.1 17.5 26.3
 139 11.4 9.4 14.2





#80
Fluoranthene
Concen: 20.831 ng/u1
RT: 19.480 min Scan# 21
Delta R.T. 0.005 min
Lab File: BG061844.D
Acq: 2 Jul 2024 13:03

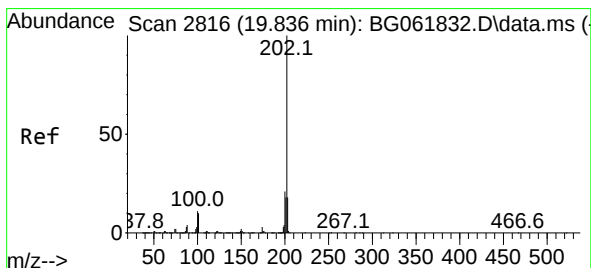
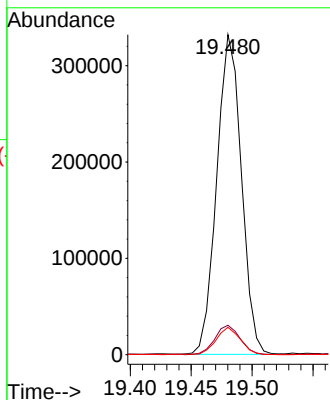
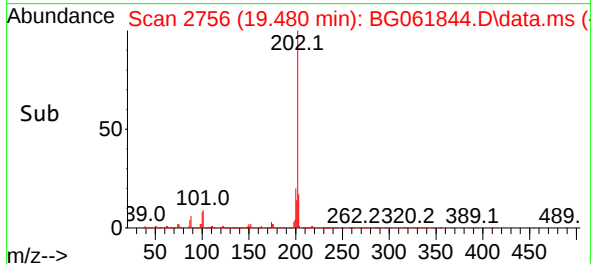
Instrument :
BNA_G
ClientSampleId :
A4CS7



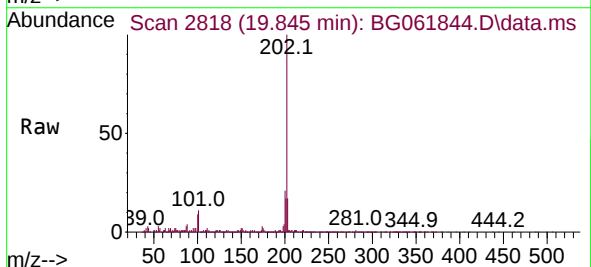
Tgt Ion:202 Resp: 467792
Ion Ratio Lower Upper
202 100
101 9.2 7.8 11.6
100 8.6 7.7 11.5

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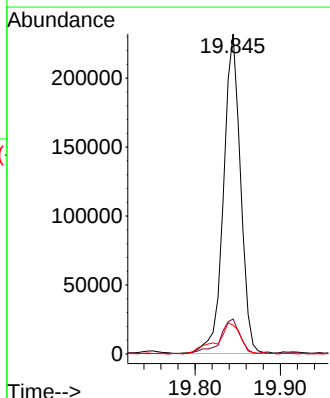
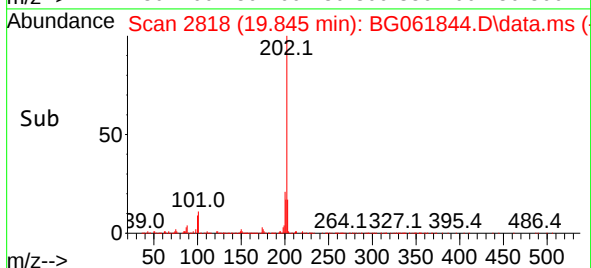
Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/04/2024

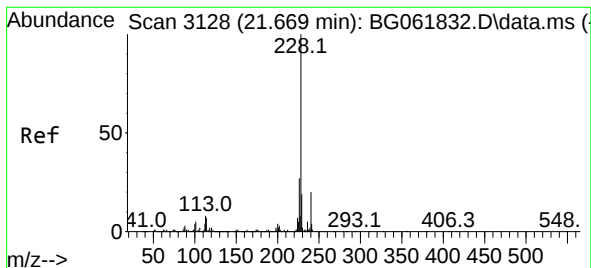


#82
Pyrene
Concen: 13.499 ng/u1
RT: 19.845 min Scan# 2818
Delta R.T. 0.005 min
Lab File: BG061844.D
Acq: 2 Jul 2024 13:03



Tgt Ion:202 Resp: 322322
Ion Ratio Lower Upper
202 100
101 11.0 10.1 15.1
100 9.0 9.9 14.9#





#85

Benzo(a)anthracene

Concen: 8.382 ng/ul

RT: 21.678 min Scan# 3128

Delta R.T. 0.005 min

Lab File: BG061844.D

Acq: 2 Jul 2024 13:03

Instrument :

BNA_G

ClientSampleId :

A4CS7

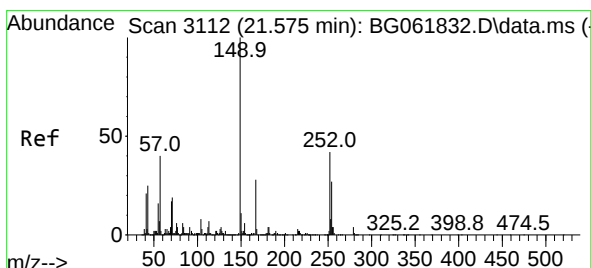
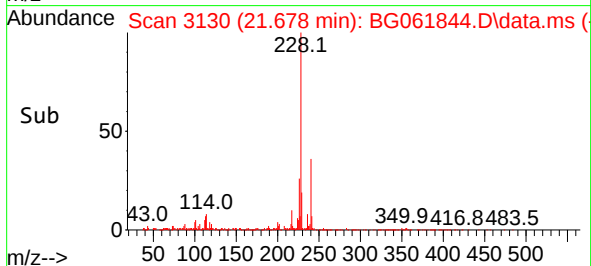
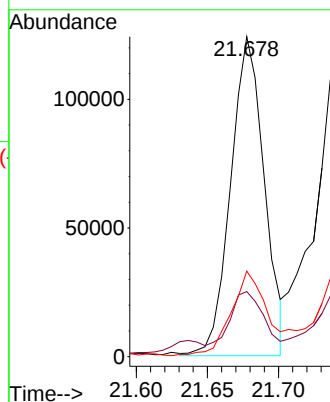
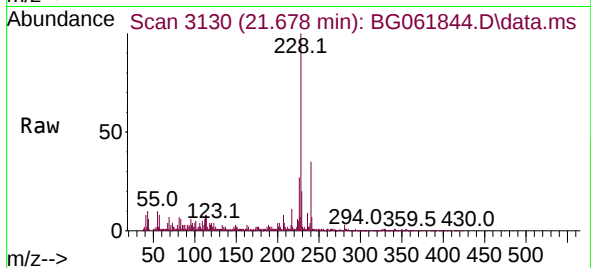
Tgt Ion:228 Resp: 20387

Ion	Ratio	Lower	Upper
228	100		
229	20.3	15.8	23.8
226	26.8	21.4	32.2

Manual Integrations

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Supervised By :mohammad ahmed 07/04/2024



#86

Bis(2-ethylhexyl)phthalate

Concen: 6.734 ng/ul

RT: 21.584 min Scan# 3114

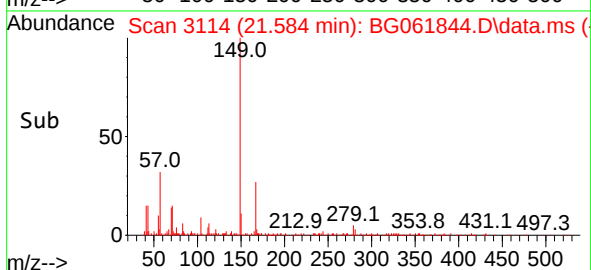
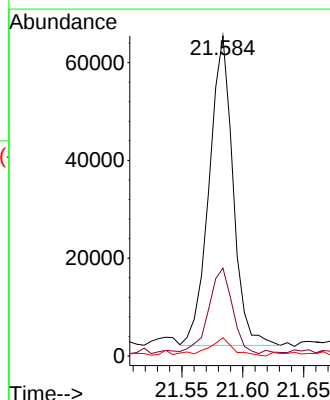
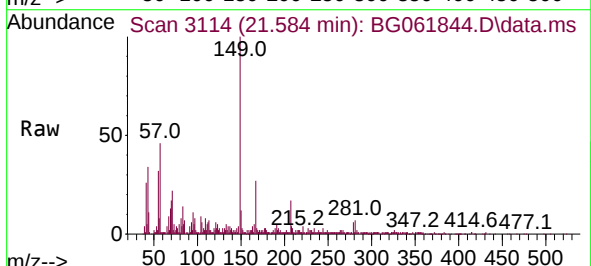
Delta R.T. -0.007 min

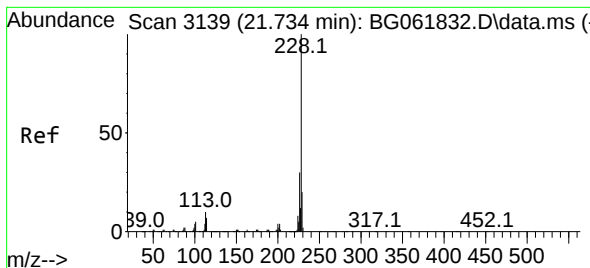
Lab File: BG061844.D

Acq: 2 Jul 2024 13:03

Tgt Ion:149 Resp: 86055

Ion	Ratio	Lower	Upper
149	100		
167	27.5	20.5	30.7
279	5.7	2.9	4.3





#87

Chrysene

Concen: 10.250 ng/u1

RT: 21.742 min Scan# 31

Delta R.T. 0.005 min

Lab File: BG061844.D

Acq: 2 Jul 2024 13:03

Instrument :

BNA_G

ClientSampleId :

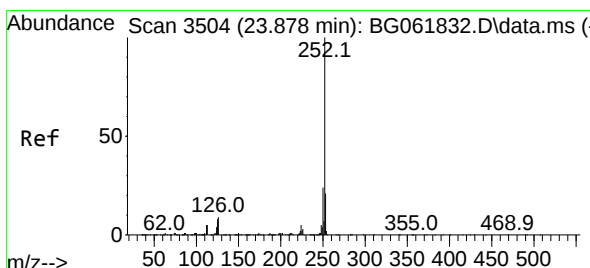
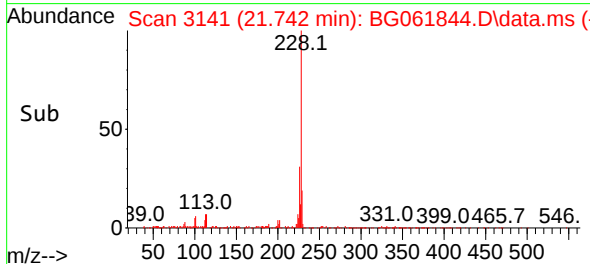
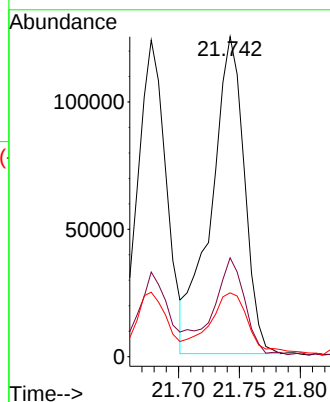
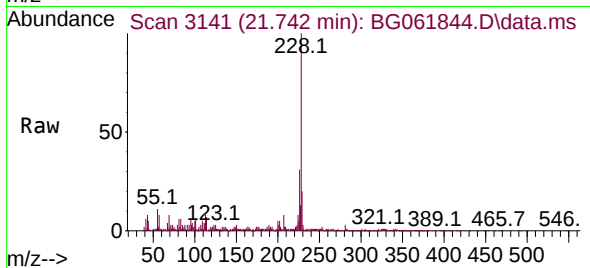
A4CS7

Tgt Ion:	228	Resp:	23589
Ion Ratio	Lower	Upper	
228	100		
226	30.9	24.2	36.2
229	20.0	16.5	24.7

Manual Integrations

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Supervised By :mohammad ahmed 07/04/2024



#90

Benzo(b)fluoranthene

Concen: 14.155 ng/u1

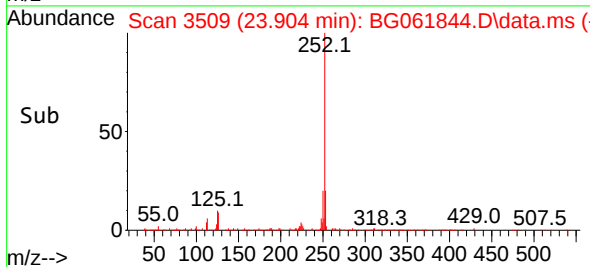
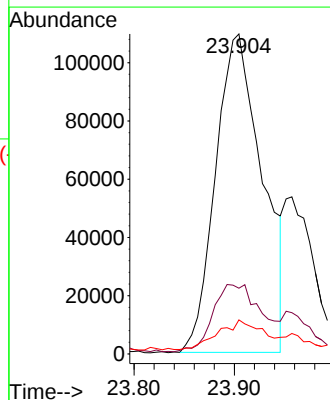
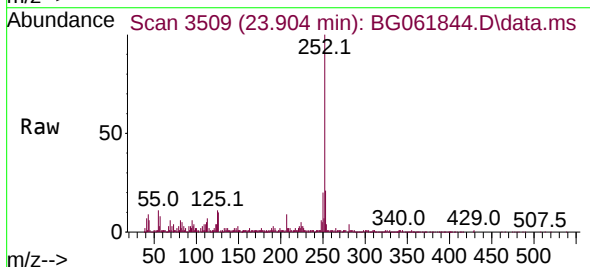
RT: 23.904 min Scan# 3509

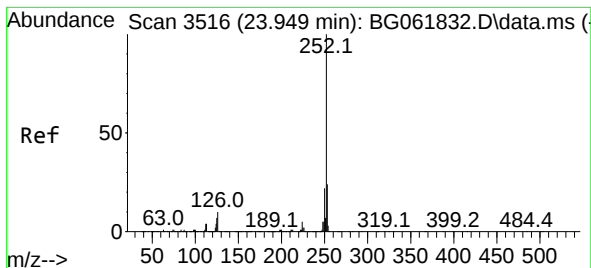
Delta R.T. 0.017 min

Lab File: BG061844.D

Acq: 2 Jul 2024 13:03

Tgt Ion:	252	Resp:	353065
Ion Ratio	Lower	Upper	
252	100		
253	20.5	18.6	27.8
125	10.6	7.0	10.6





#91

Benzo(k)fluoranthene

Concen: 4.237 ng/ul m

RT: 23.957 min Scan# 3516

Delta R.T. -0.001 min

Lab File: BG061844.D

Acq: 2 Jul 2024 13:03

Instrument :

BNA_G

ClientSampleId :

A4CS7

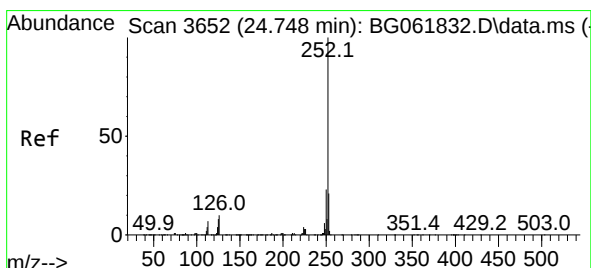
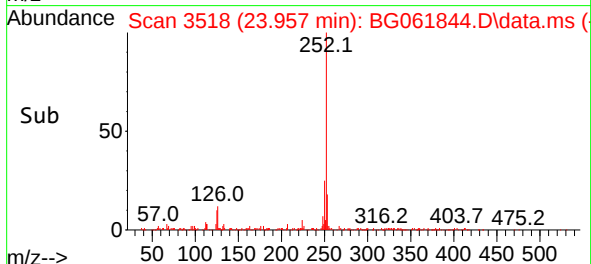
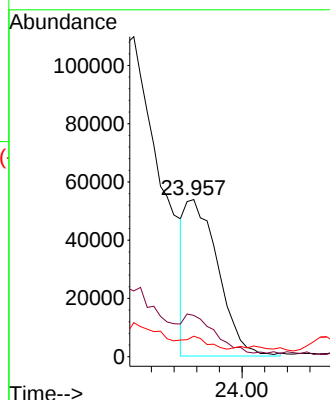
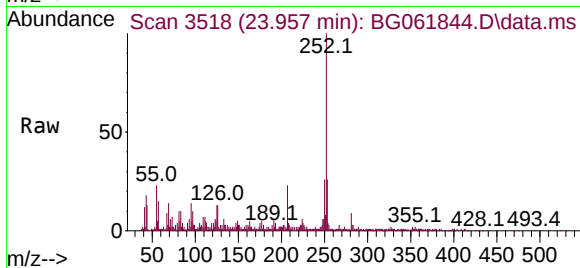
Tgt Ion:252 Resp: 108698

Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.8	26.6
125	13.0	6.2	9.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/04/2024



#93

Benzo(a)pyrene

Concen: 4.941 ng/ul

RT: 24.768 min Scan# 3656

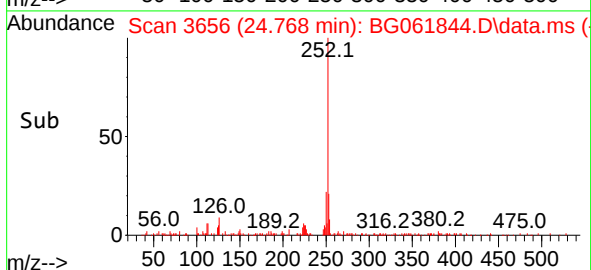
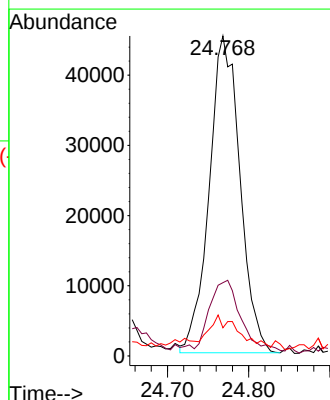
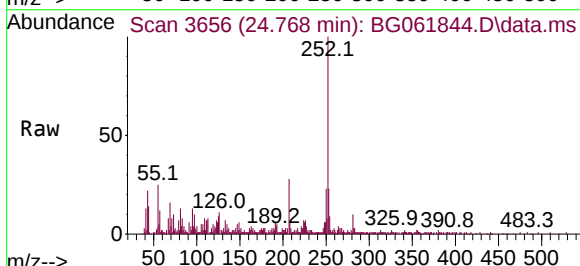
Delta R.T. 0.005 min

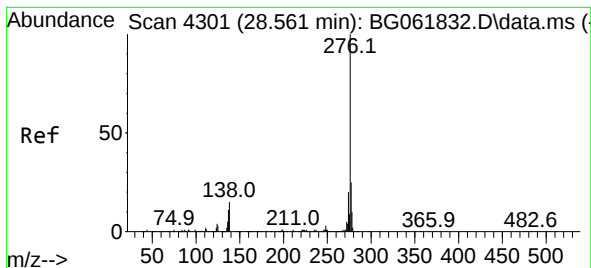
Lab File: BG061844.D

Acq: 2 Jul 2024 13:03

Tgt Ion:252 Resp: 118658

Ion	Ratio	Lower	Upper
252	100		
253	22.9	16.8	25.2
125	8.8	6.5	9.7





#94

Indeno(1,2,3-cd)pyrene

Concen: 4.268 ng/ul m

RT: 28.599 min Scan# 4308

Delta R.T. 0.034 min

Lab File: BG061844.D

Acq: 2 Jul 2024 13:03

Instrument :

BNA_G

ClientSampleId :

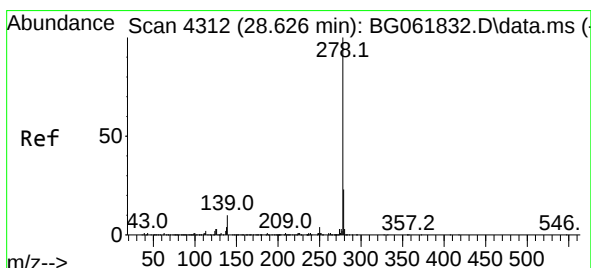
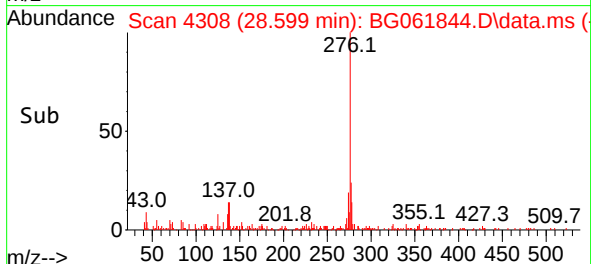
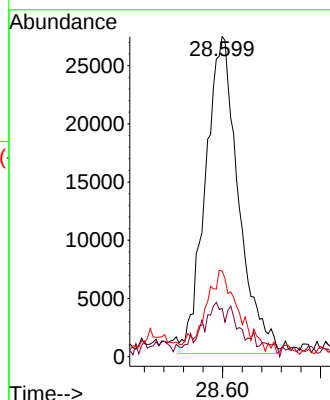
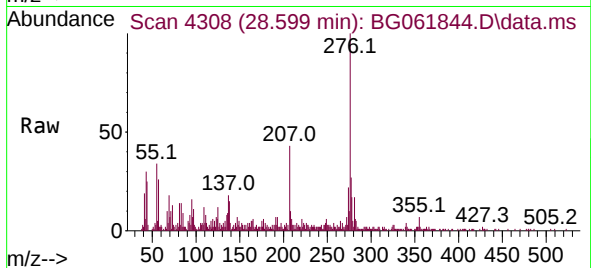
A4CS7

Tgt Ion:	276	Resp:	12770
Ion Ratio	Lower	Upper	
276	100		
138	15.1	12.2	18.4
277	26.8	19.7	29.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/04/2024



#95

Dibenzo(a,h)anthracene

Concen: 1.813 ng/ul m

RT: 28.640 min Scan# 4315

Delta R.T. 0.005 min

Lab File: BG061844.D

Acq: 2 Jul 2024 13:03

Tgt Ion:	278	Resp:	45115
Ion Ratio	Lower	Upper	
278	100		
139	15.1	9.1	13.7#
279	28.3	18.6	28.0#

