

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070124\
 Data File : BG061845.D
 Acq On : 2 Jul 2024 13:43
 Operator : MA/JU
 Sample : P2963-17
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4CS8

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 07/03/2024
 Supervised By :mohammad ahmed 07/04/2024

Quant Time: Jul 03 01:38:55 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	69289	20.000	ng/u1	0.00
20) Naphthalene-d8	10.873	136	328131	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.686	164	202839	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.436	188	430128	20.000	ng/u1	0.00
79) Chrysene-d12	21.695	240	330931	20.000	ng/u1	0.00
88) Perylene-d12	24.927	264	395060	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.458	96	9234	4.814	ng/uL	0.00
4) Pyridine-d5	3.887	84	7494	1.292	ng/u1	0.02
7) Phenol-d5	7.218	99	251489	33.434	ng/u1	0.02
9) Bis-(2-Chloroethyl)eth...	7.383	67	151252	32.256	ng/u1	0.00
11) 2-Chlorophenol-d4	7.594	132	177945	34.473	ng/u1	0.01
15) 4-Methylphenol-d8	8.763	113	192386	33.085	ng/u1	0.01
21) Nitrobenzene-d5	9.222	128	88377	39.667	ng/u1	0.00
24) 2-Nitrophenol-d4	9.950	143	107098	47.461	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.485	165	191410	35.823	ng/u1	0.00
31) 4-Chloroaniline-d4	11.002	131	64425	7.964	ng/u1	0.00
46) Dimethylphthalate-d6	14.093	166	563933	36.128	ng/u1	0.00
49) Acenaphthylene-d8	14.386	160	631985	36.944	ng/u1	0.00
54) 4-Nitrophenol-d4	14.886	143	90180	33.640	ng/u1	0.02
60) Fluorene-d10	15.679	176	496042	36.300	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.791	200	40466	22.001	ng/u1	0.00
73) Anthracene-d10	17.536	188	715805	36.458	ng/u1	0.00
81) Pyrene-d10	19.815	212	644409	34.861	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.704	264	454934	24.111	ng/u1	0.02
Target Compounds					Qvalue	
16) Acetophenone	8.887	105	12302m	1.285	ng/u1	
72) Phenanthrene	17.477	178	115775	5.116	ng/u1	99
74) Anthracene	17.565	178	24617	1.064	ng/u1	96
80) Fluoranthene	19.480	202	232448	10.838	ng/u1#	95
82) Pyrene	19.845	202	183161	8.031	ng/u1	98
85) Benzo(a)anthracene	21.678	228	118017	5.080	ng/u1	97
87) Chrysene	21.742	228	144420m	6.570	ng/u1	
90) Benzo(b)fluoranthene	23.893	252	200889	8.459	ng/u1#	94
91) Benzo(k)fluoranthene	23.963	252	60365m	2.472	ng/u1	
93) Benzo(a)pyrene	24.768	252	70766	3.095	ng/u1#	89
94) Indeno(1,2,3-cd)pyrene	28.587	276	77166m	2.709	ng/u1	
95) Dibenzo(a,h)anthracene	28.652	278	30123m	1.272	ng/u1	

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

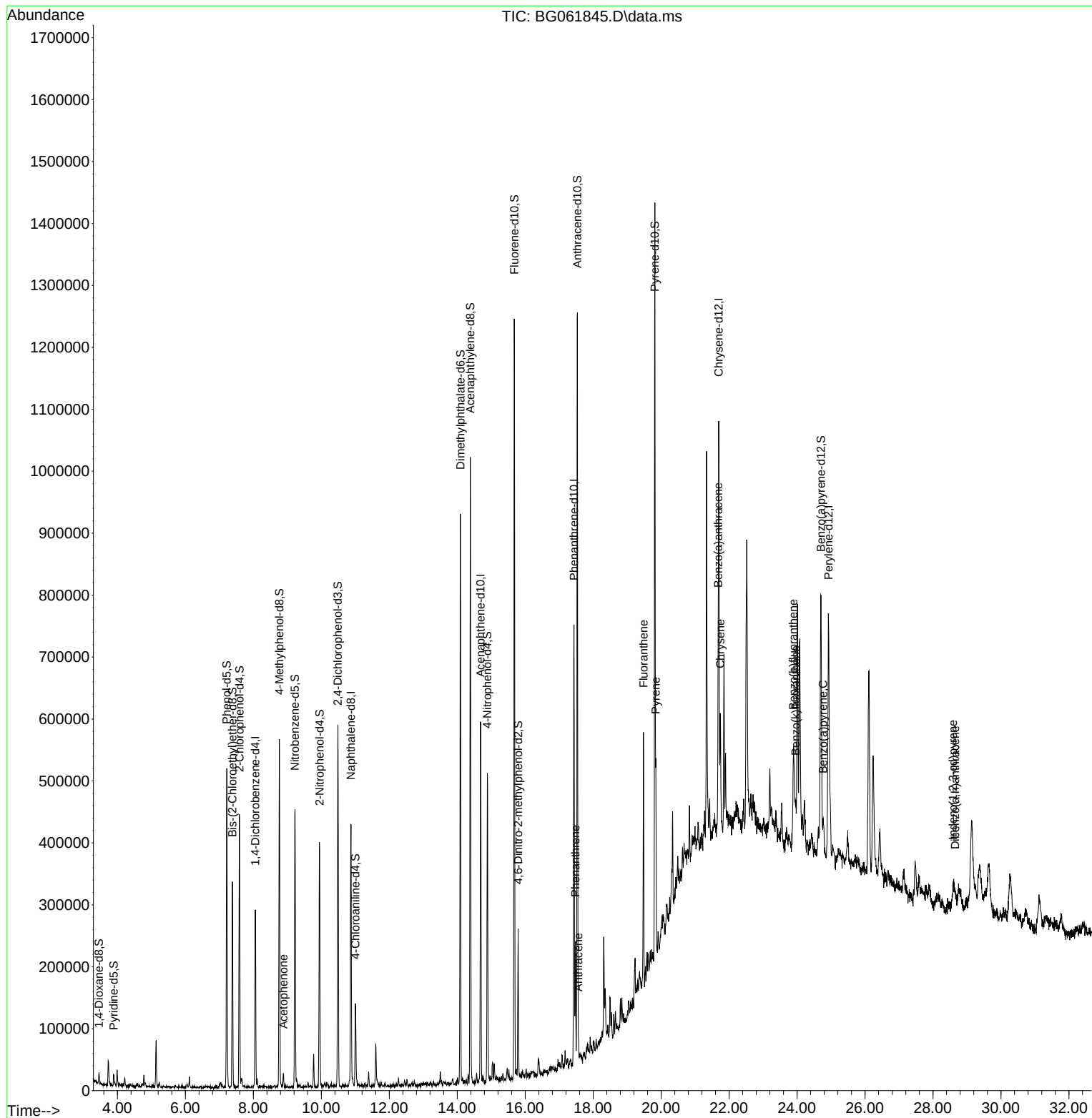
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070124\
 Data File : BG061845.D
 Acq On : 2 Jul 2024 13:43
 Operator : MA/JU
 Sample : P2963-17
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

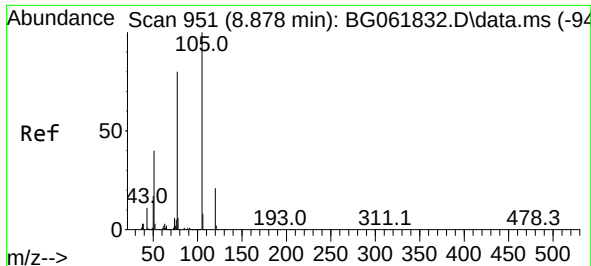
Instrument :
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 ClientSampleId :
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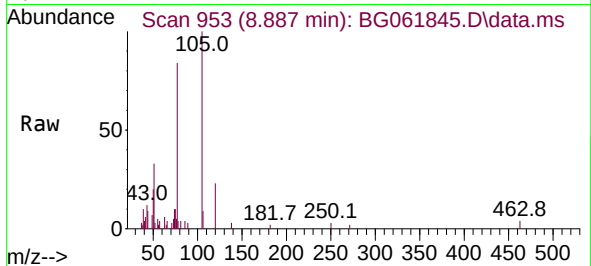
Quant Time: Jul 03 01:38:55 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
 Quant Title : SVOA CALIBRATION
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#16
Acetophenone
Concen: 1.285 ng/ul m
RT: 8.887 min Scan# 91
Delta R.T. 0.005 min
Lab File: BG061845.D
Acq: 2 Jul 2024 13:43

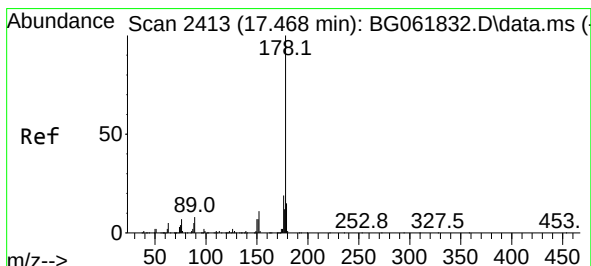
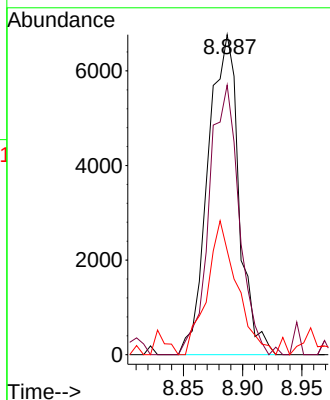
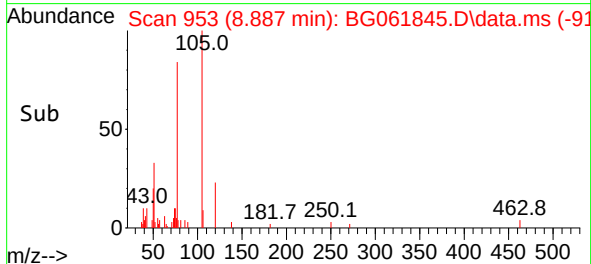
Instrument :
BNA_G
ClientSampleId :
A4CS8



Tgt Ion:105 Resp: 1230
Ion Ratio Lower Upper
105 100
77 84.2 60.4 90.6
51 32.5 31.1 46.7

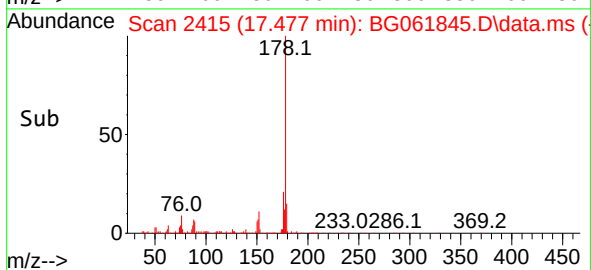
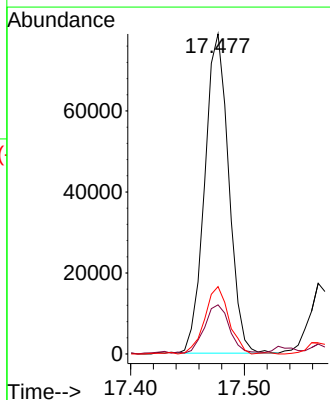
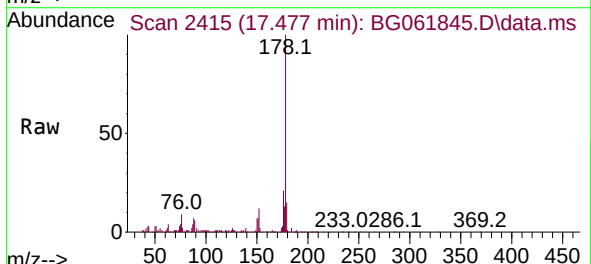
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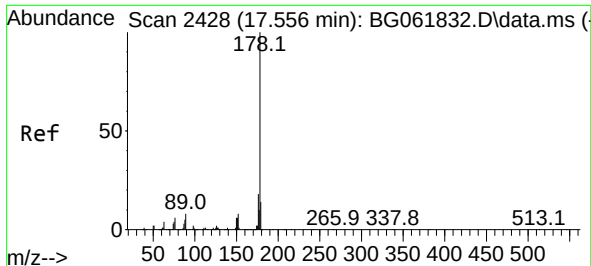
Reviewed By :Jagrut Upadhyay 07/03/2024
Supervised By :mohammad ahmed 07/04/2024



#72
Phenanthrene
Concen: 5.116 ng/ul
RT: 17.477 min Scan# 2415
Delta R.T. 0.005 min
Lab File: BG061845.D
Acq: 2 Jul 2024 13:43

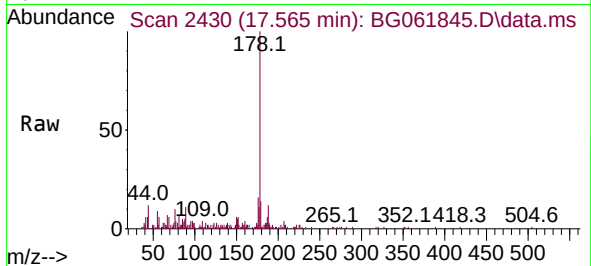
Tgt Ion:178 Resp: 115775
Ion Ratio Lower Upper
178 100
179 15.4 12.0 18.0
176 21.1 16.2 24.2





#74
 Anthracene
 Concen: 1.064 ng/ul
 RT: 17.565 min Scan# 2428
 Delta R.T. -0.001 min
 Lab File: BG061845.D
 Acq: 2 Jul 2024 13:43

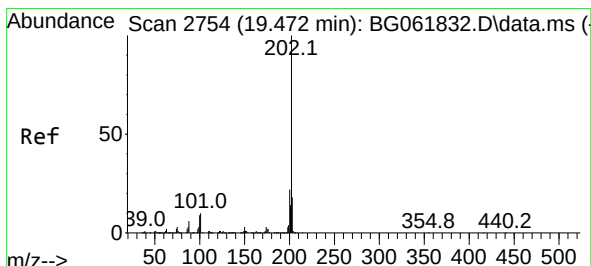
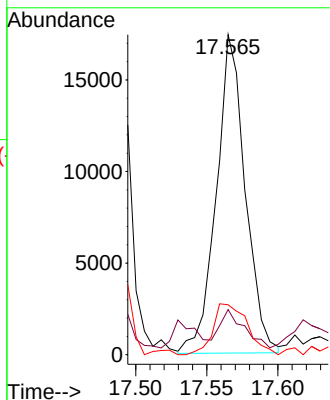
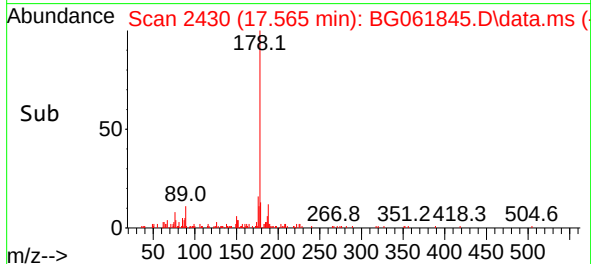
Instrument :
 BNA_G
 ClientSampleId :
 A4CS8



Tgt Ion:178 Resp: 2461
 Ion Ratio Lower Upper
 178 100
 179 14.1 11.4 17.2
 176 15.6 14.7 22.1

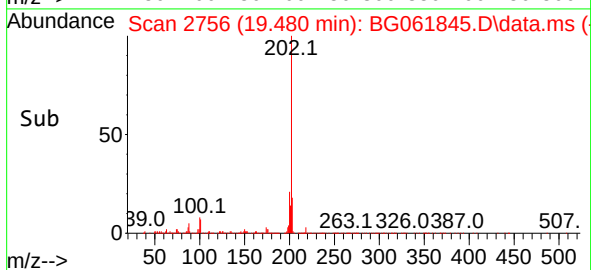
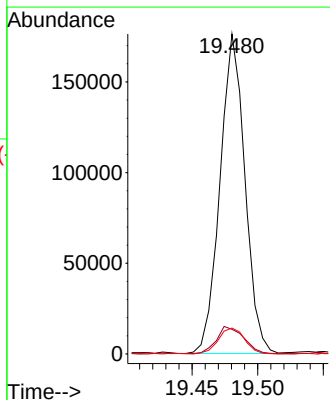
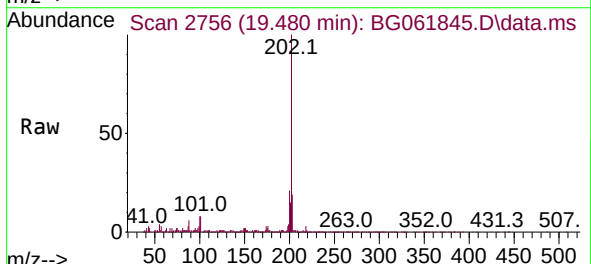
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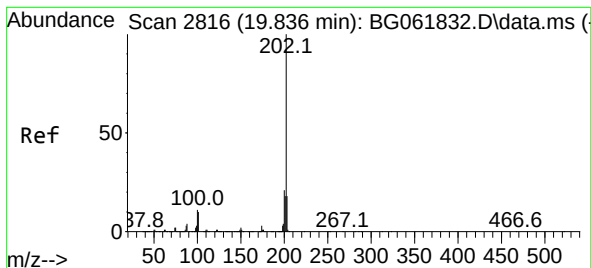
Reviewed By :Jagrut Upadhyay 07/03/2024
 Supervised By :mohammad ahmed 07/04/2024



#80
 Fluoranthene
 Concen: 10.838 ng/ul
 RT: 19.480 min Scan# 2756
 Delta R.T. 0.005 min
 Lab File: BG061845.D
 Acq: 2 Jul 2024 13:43

Tgt Ion:202 Resp: 232448
 Ion Ratio Lower Upper
 202 100
 101 7.7 7.8 11.6#
 100 8.1 7.7 11.5





#82

Pyrene

Concen: 8.031 ng/ul

RT: 19.845 min Scan# 21

Delta R.T. 0.005 min

Lab File: BG061845.D

Acq: 2 Jul 2024 13:43

Instrument :

BNA_G

ClientSampleId :

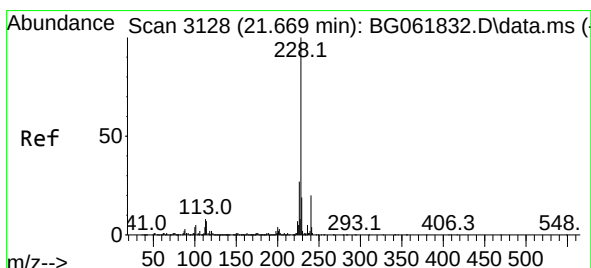
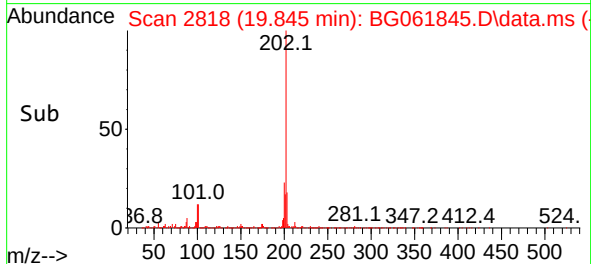
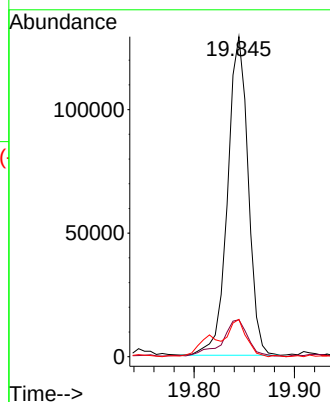
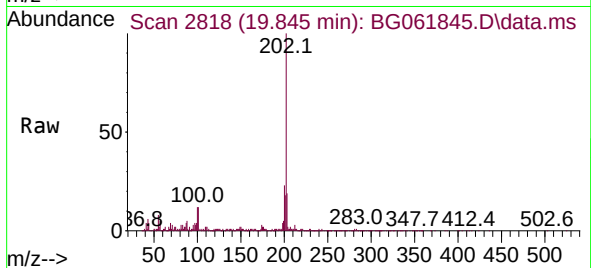
A4CS8

Tgt Ion:	202	Resp:	18316
Ion Ratio	Lower	Upper	
202	100		
101	11.5	10.1	15.1
100	11.7	9.9	14.9

Manual Integrations

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#85

Benzo(a)anthracene

Concen: 5.080 ng/ul

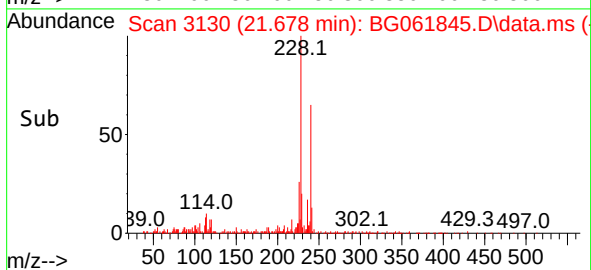
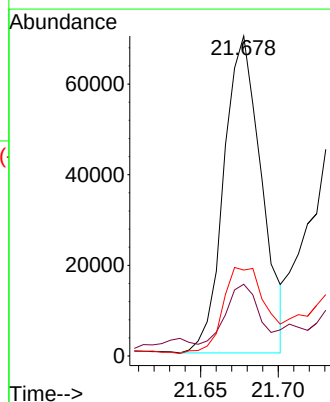
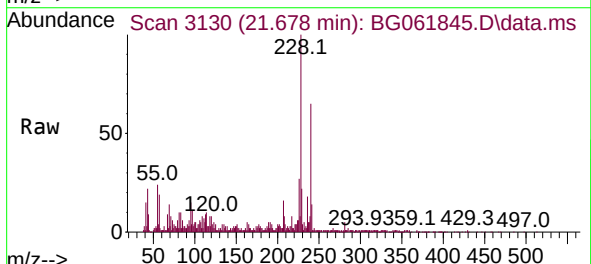
RT: 21.678 min Scan# 3130

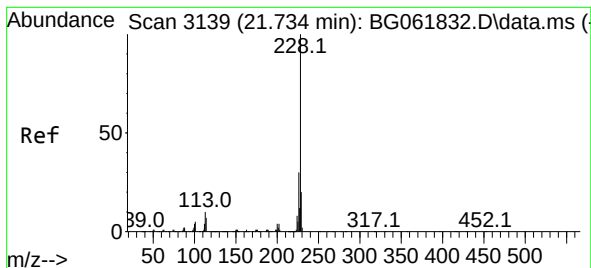
Delta R.T. 0.005 min

Lab File: BG061845.D

Acq: 2 Jul 2024 13:43

Tgt Ion:	228	Resp:	118017
Ion Ratio	Lower	Upper	
228	100		
229	22.4	15.8	23.8
226	26.9	21.4	32.2





#87

Chrysene

Concen: 6.570 ng/ul m

RT: 21.742 min Scan# 31

Delta R.T. 0.005 min

Lab File: BG061845.D

Acq: 2 Jul 2024 13:43

Instrument :

BNA_G

ClientSampleId :

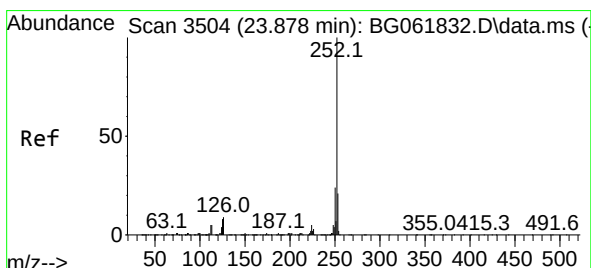
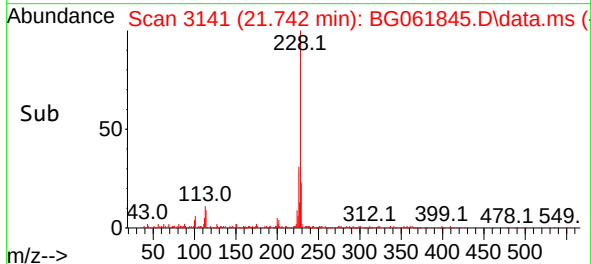
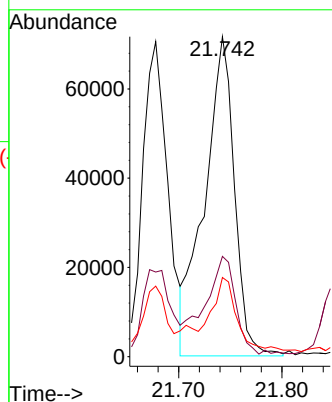
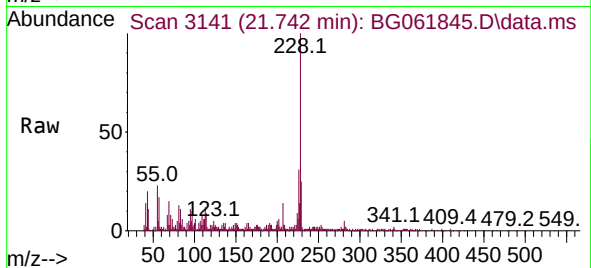
A4CS8

Tgt Ion:	228	Resp:	144420
Ion Ratio	Lower	Upper	
228	100		
226	31.4	24.2	36.2
229	24.7	16.5	24.7

Manual Integrations

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#90

Benzo(b)fluoranthene

Concen: 8.459 ng/ul

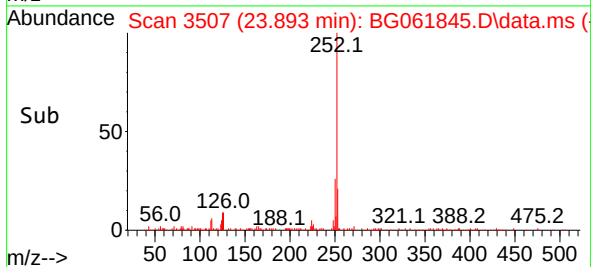
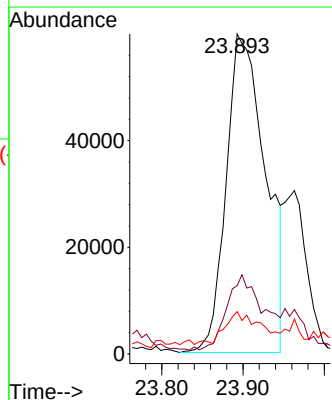
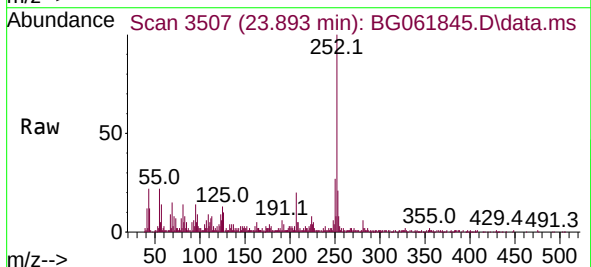
RT: 23.893 min Scan# 3507

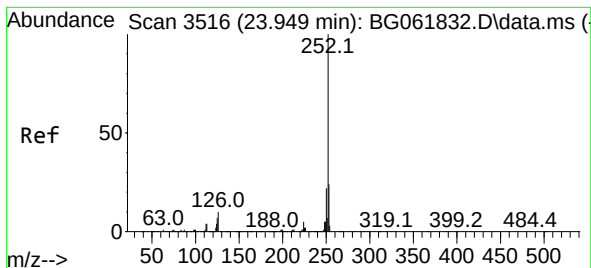
Delta R.T. 0.005 min

Lab File: BG061845.D

Acq: 2 Jul 2024 13:43

Tgt Ion:	252	Resp:	200889
Ion Ratio	Lower	Upper	
252	100		
253	21.4	18.6	27.8
125	13.2	7.0	10.6





#91

Benzo(k)fluoranthene

Concen: 2.472 ng/ul m

RT: 23.963 min Scan# 3

Delta R.T. 0.005 min

Lab File: BG061845.D

Acq: 2 Jul 2024 13:43

Instrument :

BNA_G

ClientSampleId :

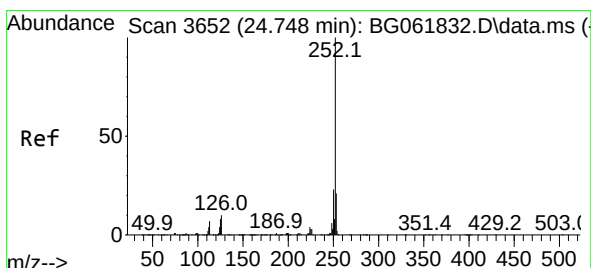
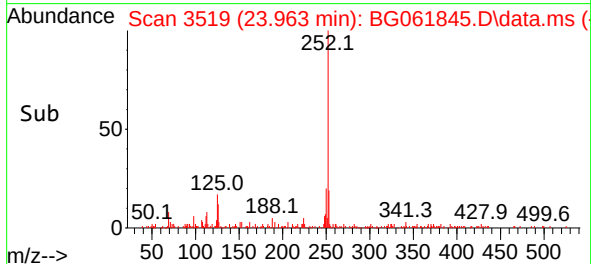
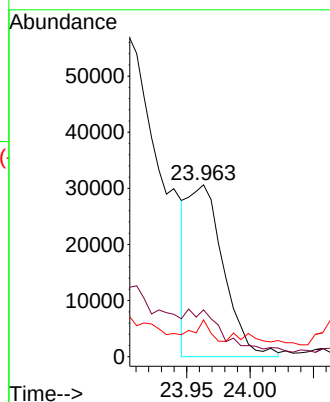
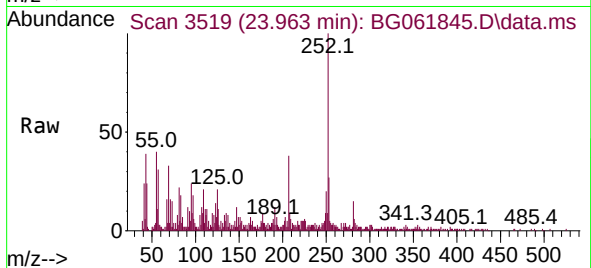
A4CS8

Tgt Ion:	252	Resp:	6036
Ion Ratio	Lower	Upper	
252	100		
253	27.3	17.8	26.6
125	21.4	6.2	9.2

Manual Integrations

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#93

Benzo(a)pyrene

Concen: 3.095 ng/ul

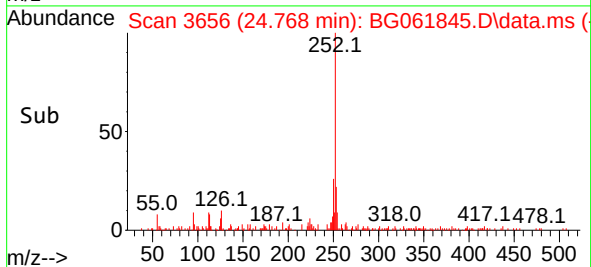
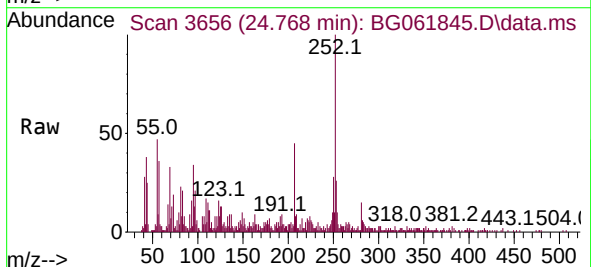
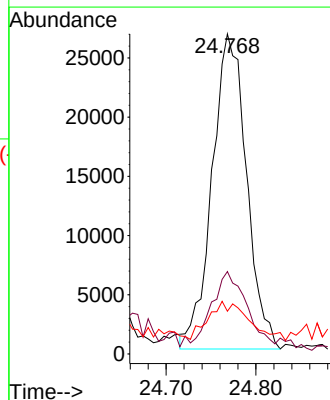
RT: 24.768 min Scan# 3656

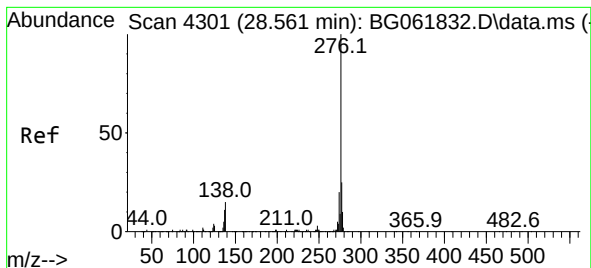
Delta R.T. 0.005 min

Lab File: BG061845.D

Acq: 2 Jul 2024 13:43

Tgt Ion:	252	Resp:	70766
Ion Ratio	Lower	Upper	
252	100		
253	25.7	16.8	25.2#
125	13.4	6.5	9.7#





#94

Indeno(1,2,3-cd)pyrene

Concen: 2.709 ng/ul m

RT: 28.587 min Scan# 4306

Delta R.T. 0.023 min

Lab File: BG061845.D

Acq: 2 Jul 2024 13:43

Instrument :

BNA_G

ClientSampleId :

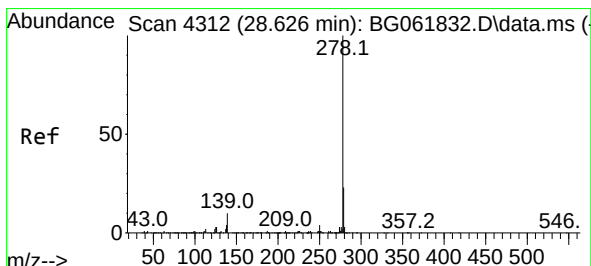
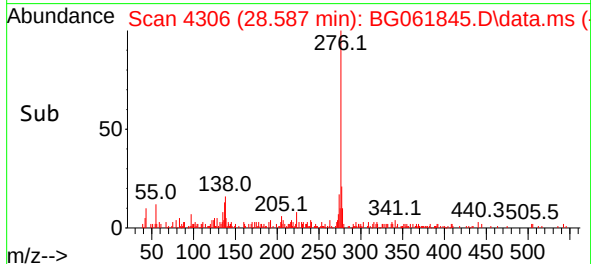
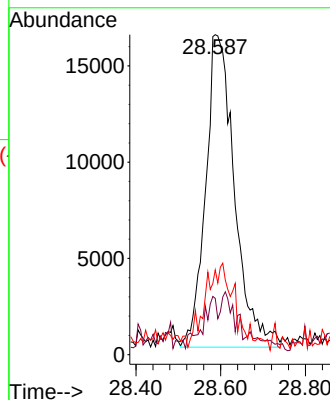
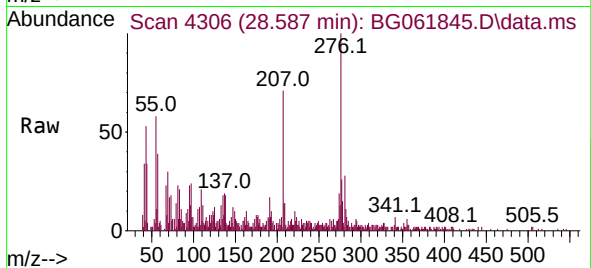
A4CS8

Tgt Ion:	276	Resp:	7716
Ion Ratio	Lower	Upper	
276	100		
138	17.6	12.2	18.4
277	26.5	19.7	29.5

Manual Integrations

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Supervised By :mohammad ahmed 07/04/2024



#95

Dibenzo(a,h)anthracene

Concen: 1.272 ng/ul m

RT: 28.652 min Scan# 4317

Delta R.T. 0.017 min

Lab File: BG061845.D

Acq: 2 Jul 2024 13:43

Tgt Ion:	278	Resp:	30123
Ion Ratio	Lower	Upper	
278	100		
139	20.1	9.1	13.7#
279	24.6	18.6	28.0

