

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070124\
 Data File : BG061835.D
 Acq On : 2 Jul 2024 7:00
 Operator : MA/JU
 Sample : P2963-22
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4CS3

Manual Integrations
 APPROVED

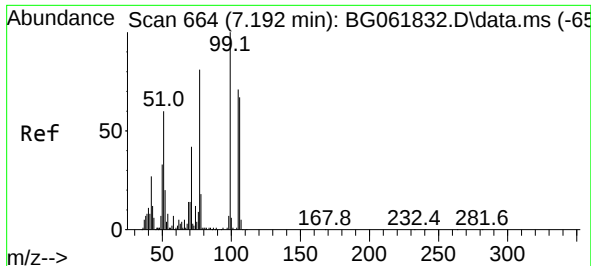
Reviewed By :Jagrut Upadhyay 07/02/2024
 Supervised By :mohammad ahmed 07/04/2024

Quant Time: Jul 02 08:43:26 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)

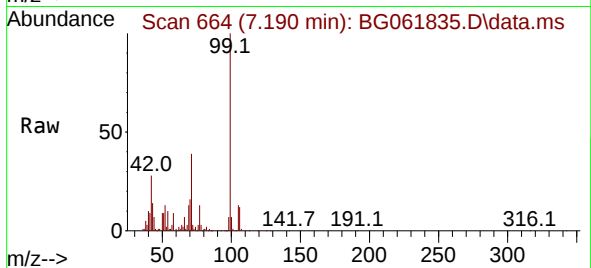
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.053	152	82012	20.000	ng/u1	0.00
20) Naphthalene-d8	10.862	136	374165	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.681	164	236103	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.425	188	494575	20.000	ng/u1	0.00
79) Chrysene-d12	21.690	240	374846	20.000	ng/u1	0.00
88) Perylene-d12	24.910	264	447676	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.459	96	10218	4.501	ng/uL	0.00
4) Pyridine-d5	3.882	84	8013m	1.167	ng/u1	0.01
7) Phenol-d5	7.207	99	275352	30.927	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.378	67	168503	30.361	ng/u1	0.00
11) 2-Chlorophenol-d4	7.583	132	193660	31.698	ng/u1	0.00
15) 4-Methylphenol-d8	8.753	113	207484	30.146	ng/u1	0.00
21) Nitrobenzene-d5	9.223	128	99143	39.024	ng/u1	0.00
24) 2-Nitrophenol-d4	9.939	143	109451	42.537	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.480	165	213492	35.040	ng/u1	0.00
31) 4-Chloroaniline-d4	10.997	131	12102m	1.312	ng/u1	0.00
46) Dimethylphthalate-d6	14.082	166	628352	34.584	ng/u1	-0.01
49) Acenaphthylene-d8	14.375	160	695844	34.947	ng/u1	0.00
54) 4-Nitrophenol-d4	14.869	143	94567	30.306	ng/u1	0.00
60) Fluorene-d10	15.674	176	540106	33.956	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.780	200	66947	31.656	ng/u1	0.00
73) Anthracene-d10	17.525	188	793634	35.155	ng/u1	0.00
81) Pyrene-d10	19.804	212	693923	33.142	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.687	264	483973	22.635	ng/u1	0.00
Target Compounds						
					Qvalue	
6) Benzaldehyde	7.190	77	17917	4.090	ng/u1	89
16) Acetophenone	8.876	105	13231	1.167	ng/u1	91
30) Naphthalene	10.915	128	40813	1.949	ng/u1	95
50) Acenaphthylene	14.405	152	35393m	1.592	ng/u1	
56) Dibenzofuran	15.081	168	25810	1.198	ng/u1#	87
61) Fluorene	15.727	166	19084	1.071	ng/u1	84
72) Phenanthrene	17.466	178	429816	16.519	ng/u1	98
74) Anthracene	17.560	178	84167	3.163	ng/u1	98
77) Carbazole	17.824	167	35723	1.581	ng/u1	97
80) Fluoranthene	19.475	202	765759	31.520	ng/u1#	96
82) Pyrene	19.834	202	575663	22.285	ng/u1	96
85) Benzo(a)anthracene	21.667	228	368432	14.002	ng/u1	94
87) Chrysene	21.732	228	453450	18.213	ng/u1	97
90) Benzo(b)fluoranthene	23.888	252	576617	21.427	ng/u1	97
91) Benzo(k)fluoranthene	23.952	252	216123m	7.809	ng/u1	
93) Benzo(a)pyrene	24.763	252	208441	8.045	ng/u1#	93
94) Indeno(1,2,3-cd)pyrene	28.576	276	238023	7.373	ng/u1	98
95) Dibenzo(a,h)anthracene	28.623	278	94254m	3.511	ng/u1	

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



#6
Benzaldehyde
Concen: 4.090 ng/ul
RT: 7.190 min Scan# 60
Delta R.T. -0.006 min
Lab File: BG061835.D
Acq: 2 Jul 2024 7:00

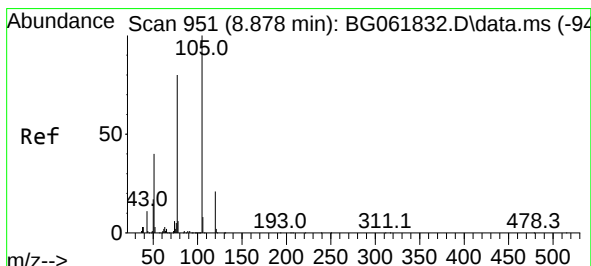
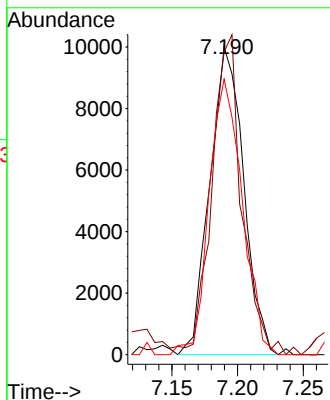
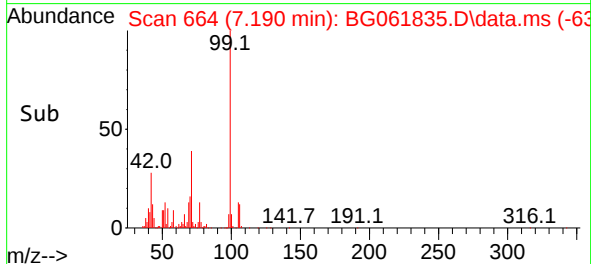
Instrument :
BNA_G
ClientSampleId :
A4CS3



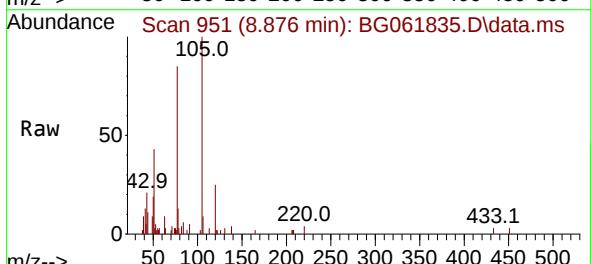
Tgt Ion: 77 Resp: 1791
Ion Ratio Lower Upper
77 100
105 98.4 71.0 106.6
106 89.5 63.5 95.3

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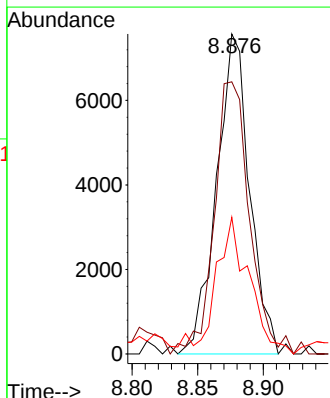
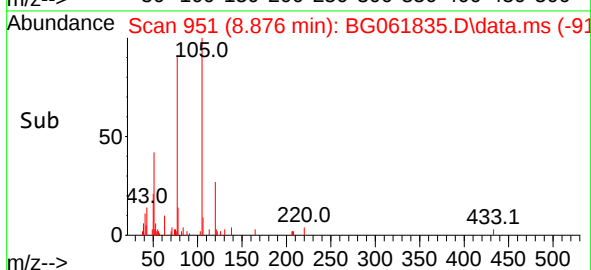
Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/04/2024

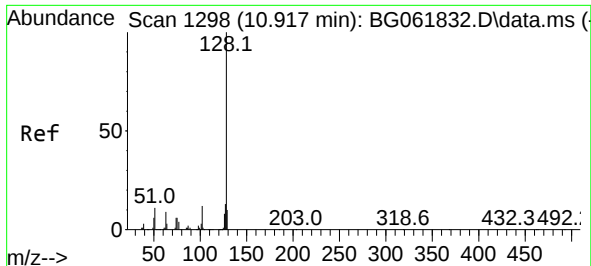


#16
Acetophenone
Concen: 1.167 ng/ul
RT: 8.876 min Scan# 951
Delta R.T. -0.006 min
Lab File: BG061835.D
Acq: 2 Jul 2024 7:00



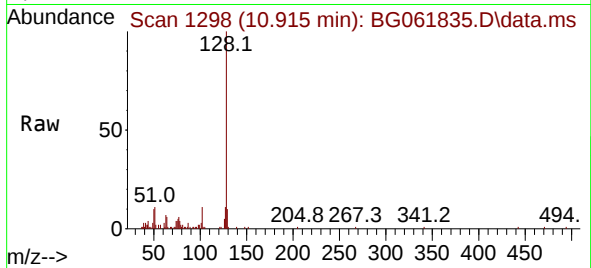
Tgt Ion:105 Resp: 13231
Ion Ratio Lower Upper
105 100
77 85.1 60.4 90.6
51 42.7 31.1 46.7





#30
Naphthalene
Concen: 1.949 ng/ul
RT: 10.915 min Scan# 1298
Delta R.T. -0.006 min
Lab File: BG061835.D
Acq: 2 Jul 2024 7:00

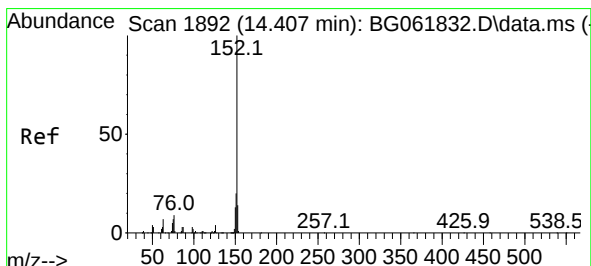
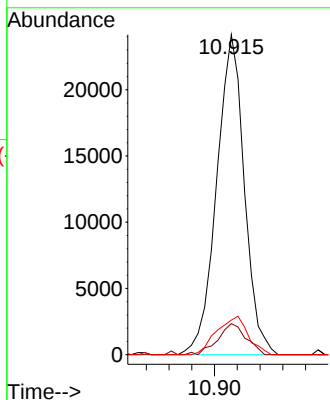
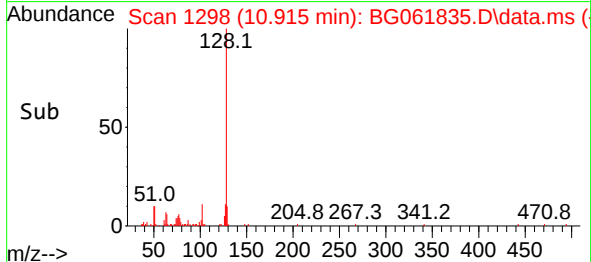
Instrument :
BNA_G
ClientSampleId :
A4CS3



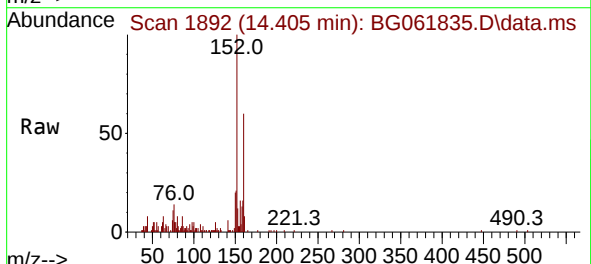
Tgt Ion:128 Resp: 4081
Ion Ratio Lower Upper
128 100
129 9.7 9.0 13.6
127 10.8 10.5 15.7

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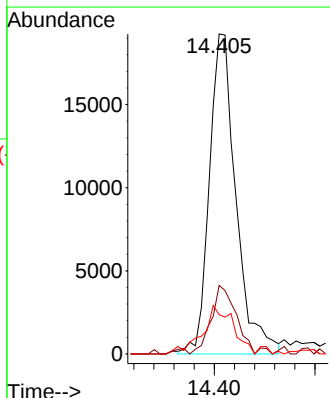
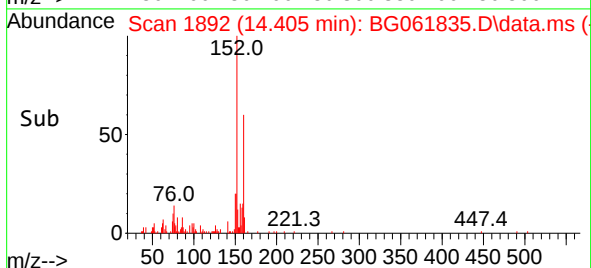
Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/04/2024

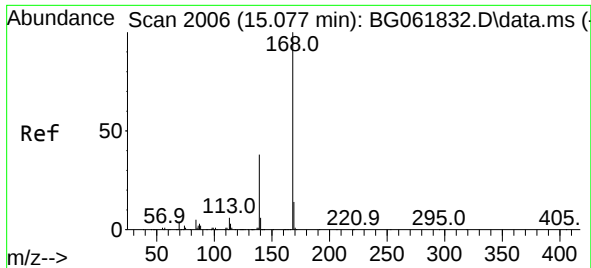


#50
Acenaphthylene
Concen: 1.592 ng/ul m
RT: 14.405 min Scan# 1892
Delta R.T. -0.006 min
Lab File: BG061835.D
Acq: 2 Jul 2024 7:00



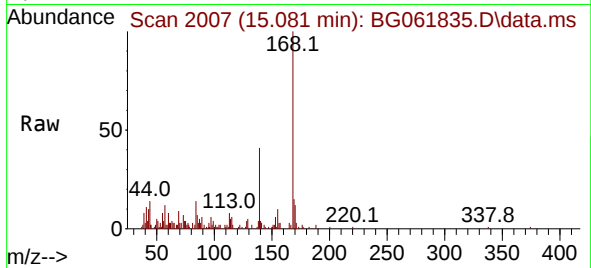
Tgt Ion:152 Resp: 35393
Ion Ratio Lower Upper
152 100
151 21.4 15.3 22.9
153 12.3 11.0 16.4





#56
Dibenzenofuran
Concen: 1.198 ng/ul
RT: 15.081 min Scan# 2006
Delta R.T. -0.006 min
Lab File: BG061835.D
Acq: 2 Jul 2024 7:00

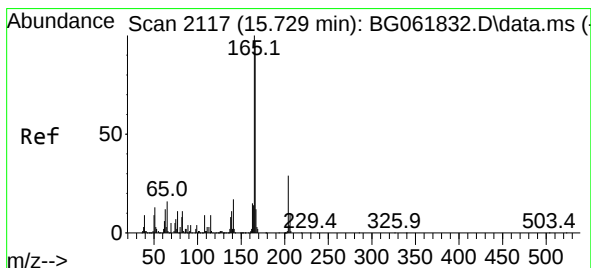
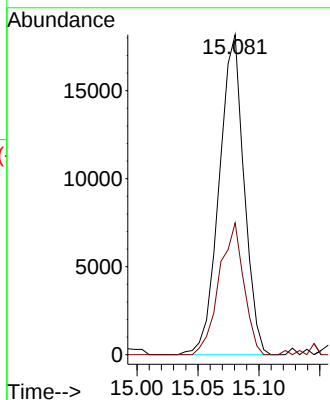
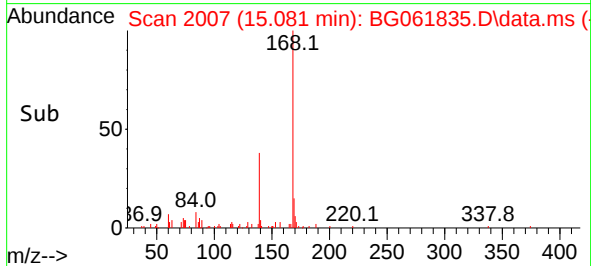
Instrument :
BNA_G
ClientSampleId :
A4CS3



Tgt Ion:168 Resp: 25810
Ion Ratio Lower Upper
168 100
139 41.2 27.0 40.4

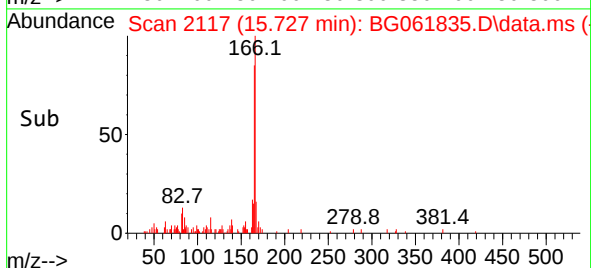
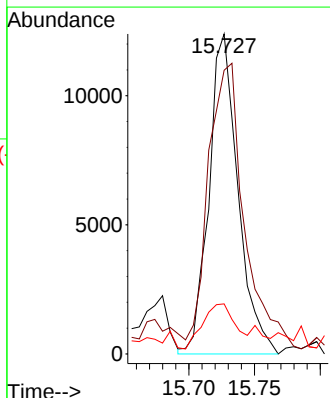
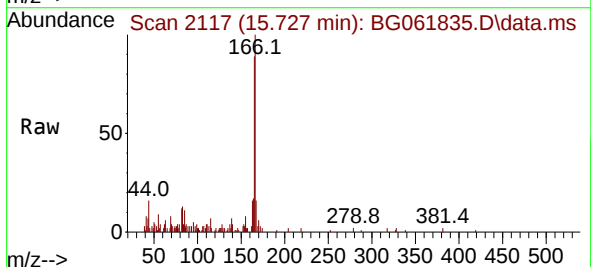
Manual Integrations
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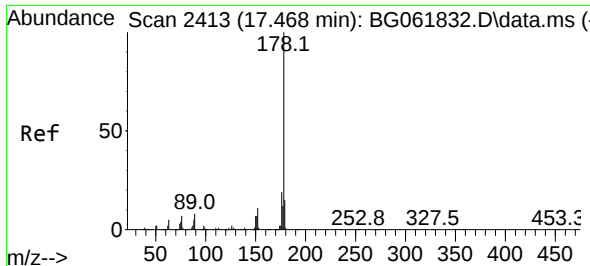
Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/04/2024



#61
Fluorene
Concen: 1.071 ng/ul
RT: 15.727 min Scan# 2117
Delta R.T. -0.006 min
Lab File: BG061835.D
Acq: 2 Jul 2024 7:00

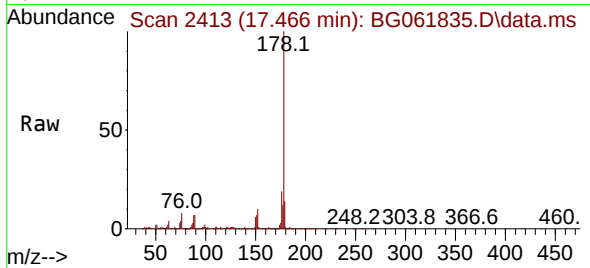
Tgt Ion:166 Resp: 19084
Ion Ratio Lower Upper
166 100
165 88.7 84.9 127.3
167 15.7 10.9 16.3





#72
Phenanthrene
Concen: 16.519 ng/ul
RT: 17.466 min Scan# 2413
Delta R.T. -0.006 min
Lab File: BG061835.D
Acq: 2 Jul 2024 7:00

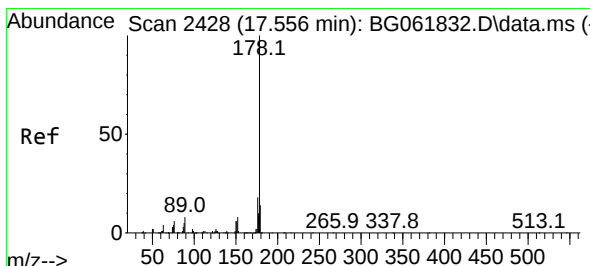
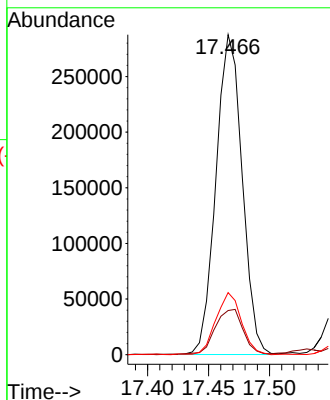
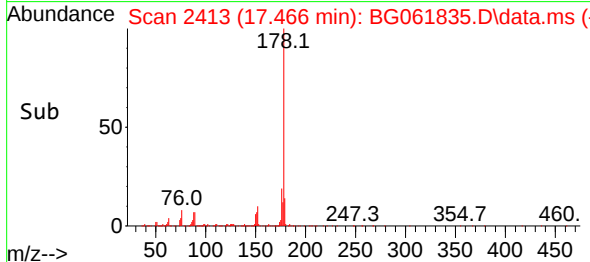
Instrument :
BNA_G
ClientSampleId :
A4CS3



Tgt Ion:178 Resp: 429810
Ion Ratio Lower Upper
178 100
179 13.8 12.0 18.0
176 19.4 16.2 24.2

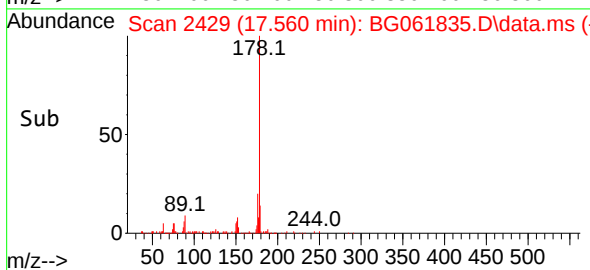
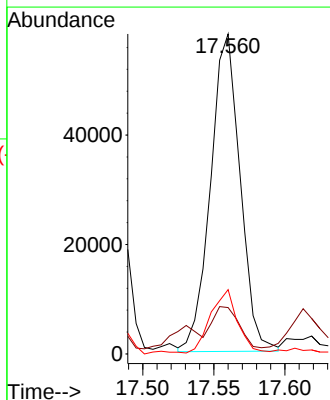
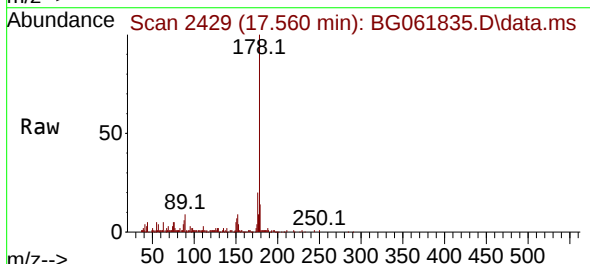
Manual Integrations
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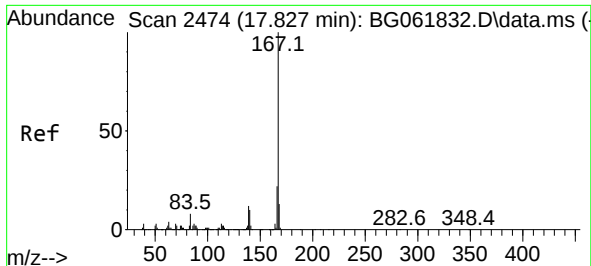
Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/04/2024



#74
Anthracene
Concen: 3.163 ng/ul
RT: 17.560 min Scan# 2429
Delta R.T. -0.006 min
Lab File: BG061835.D
Acq: 2 Jul 2024 7:00

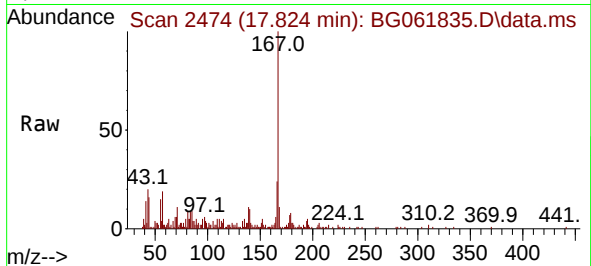
Tgt Ion:178 Resp: 84167
Ion Ratio Lower Upper
178 100
179 14.5 11.4 17.2
176 20.1 14.7 22.1





#77
 Carbazole
 Concen: 1.581 ng/ul
 RT: 17.824 min Scan# 2474
 Delta R.T. -0.006 min
 Lab File: BG061835.D
 Acq: 2 Jul 2024 7:00

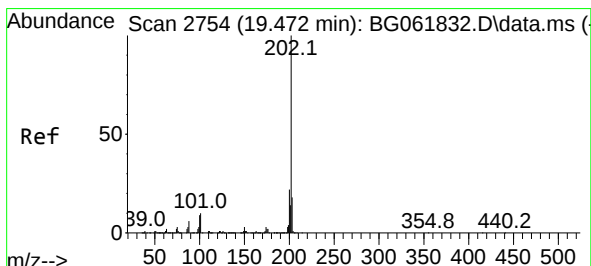
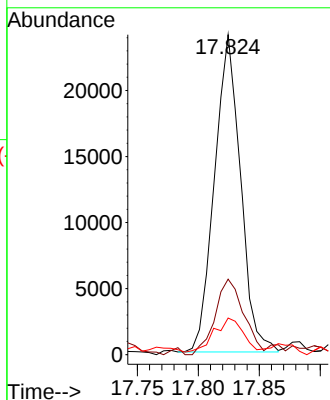
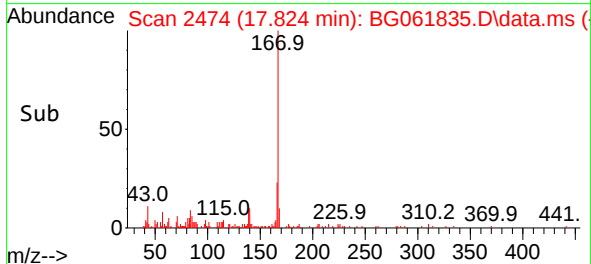
Instrument :
 BNA_G
 ClientSampleId :
 A4CS3



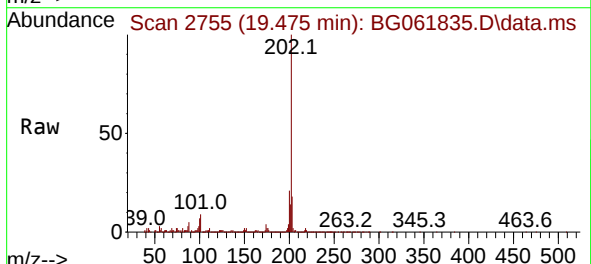
Tgt Ion:167 Resp: 3572
 Ion Ratio Lower Upper
 167 100
 166 23.6 17.5 26.3
 139 11.4 9.4 14.2

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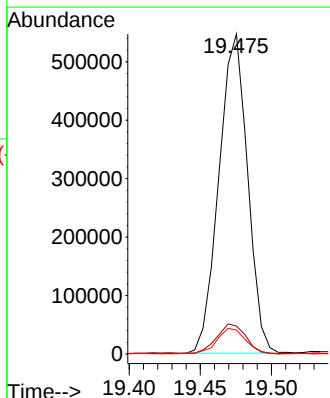
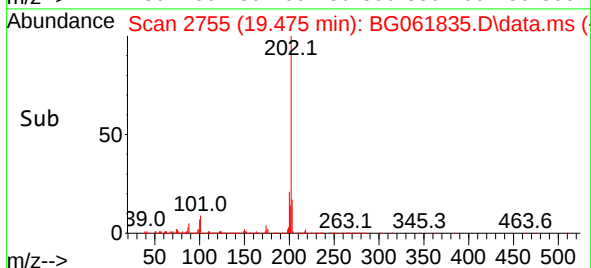
Reviewed By :Jagrut Upadhyay 07/02/2024
 Supervised By :mohammad ahmed 07/04/2024

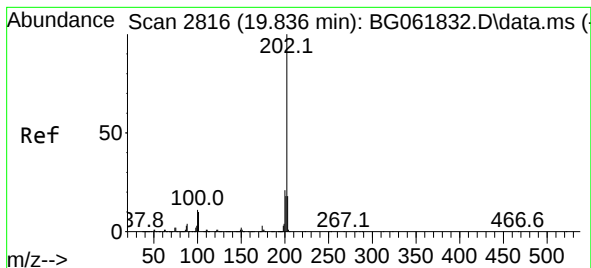


#80
 Fluoranthene
 Concen: 31.520 ng/ul
 RT: 19.475 min Scan# 2755
 Delta R.T. 0.000 min
 Lab File: BG061835.D
 Acq: 2 Jul 2024 7:00



Tgt Ion:202 Resp: 765759
 Ion Ratio Lower Upper
 202 100
 101 8.7 7.8 11.6
 100 7.5 7.7 11.5#





#82

Pyrene

Concen: 22.285 ng/ul

RT: 19.834 min Scan# 21

Delta R.T. -0.006 min

Lab File: BG061835.D

Acq: 2 Jul 2024 7:00

Instrument :

BNA_G

ClientSampleId :

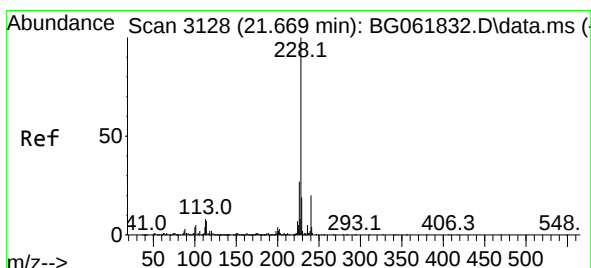
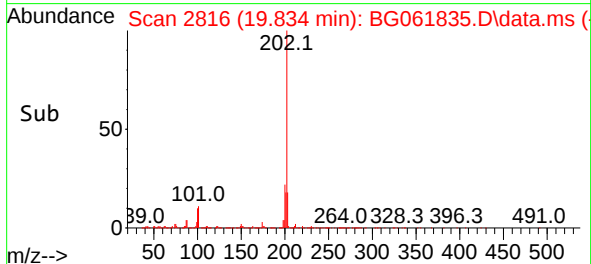
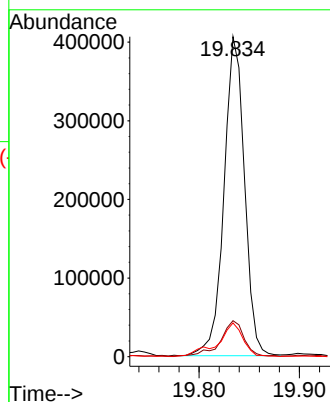
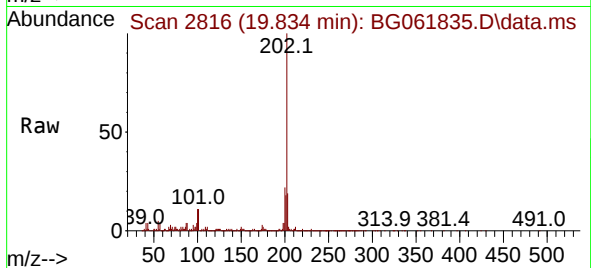
A4CS3

Tgt Ion:202 Resp: 57566
 Ion Ratio Lower Upper
 202 100
 101 11.2 10.1 15.1
 100 10.5 9.9 14.9

Manual Integrations

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



#85

Benzo(a)anthracene

Concen: 14.002 ng/ul

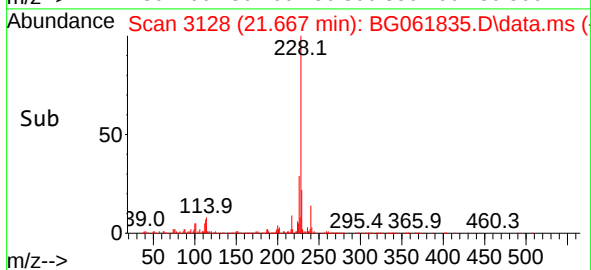
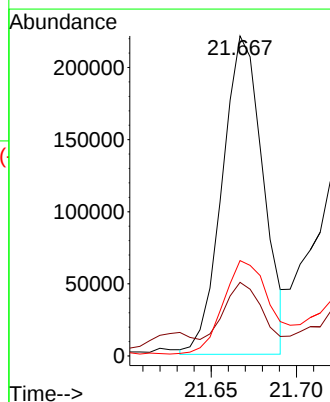
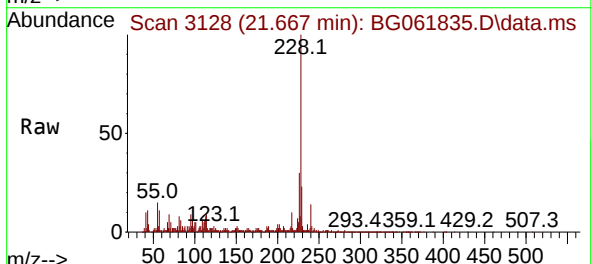
RT: 21.667 min Scan# 3128

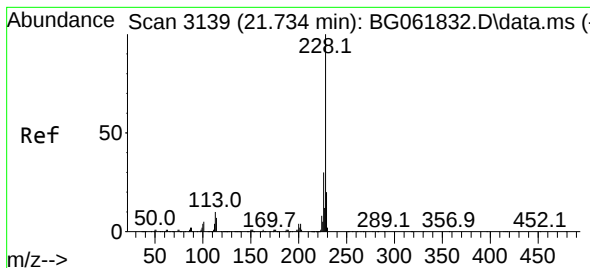
Delta R.T. -0.006 min

Lab File: BG061835.D

Acq: 2 Jul 2024 7:00

Tgt Ion:228 Resp: 368432
 Ion Ratio Lower Upper
 228 100
 229 23.0 15.8 23.8
 226 29.8 21.4 32.2





#87

Chrysene

Concen: 18.213 ng/ul

RT: 21.732 min Scan# 31

Delta R.T. -0.006 min

Lab File: BG061835.D

Acq: 2 Jul 2024 7:00

Instrument :

BNA_G

ClientSampleId :

A4CS3

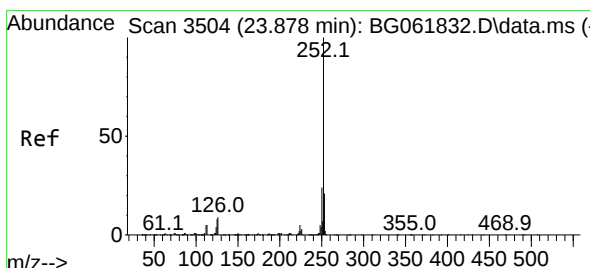
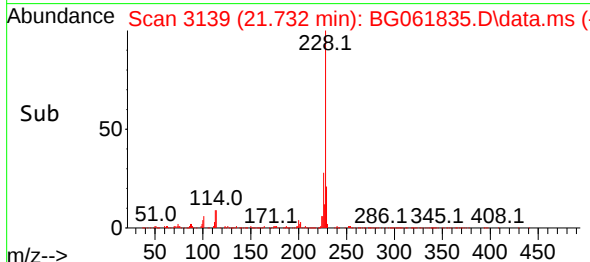
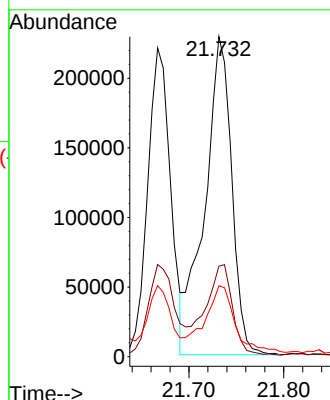
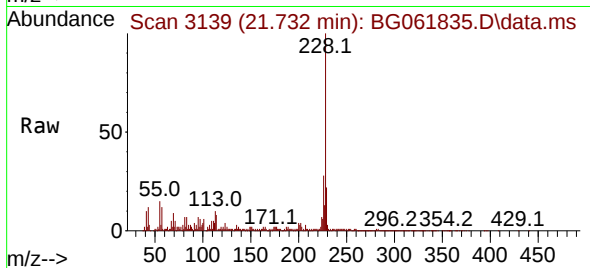
Tgt Ion:228 Resp: 453450

Ion	Ratio	Lower	Upper
228	100		
226	28.3	24.2	36.2
229	22.2	16.5	24.7

Manual Integrations

APPROVED

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Supervised By :mohammad ahmed 07/04/2024



#90

Benzo(b)fluoranthene

Concen: 21.427 ng/ul

RT: 23.888 min Scan# 3506

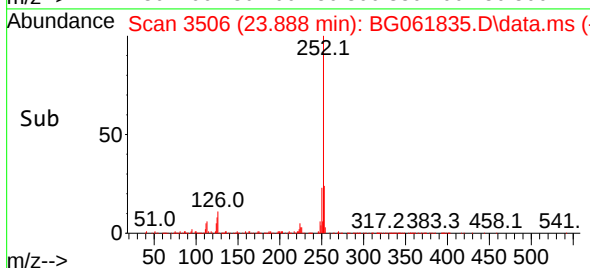
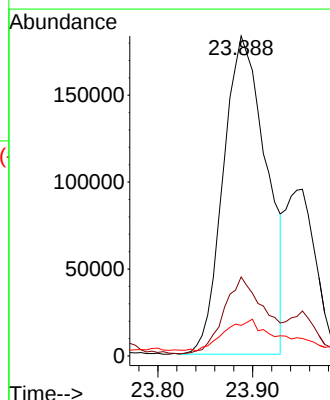
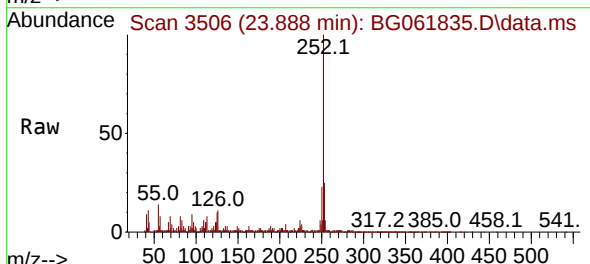
Delta R.T. 0.000 min

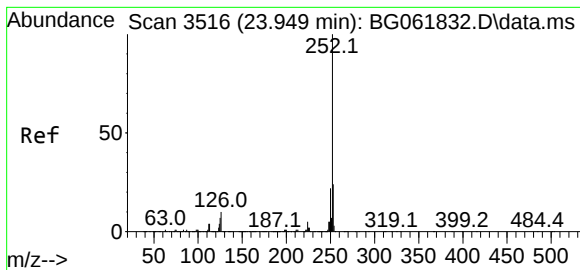
Lab File: BG061835.D

Acq: 2 Jul 2024 7:00

Tgt Ion:252 Resp: 576617

Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.6	27.8
125	9.6	7.0	10.6





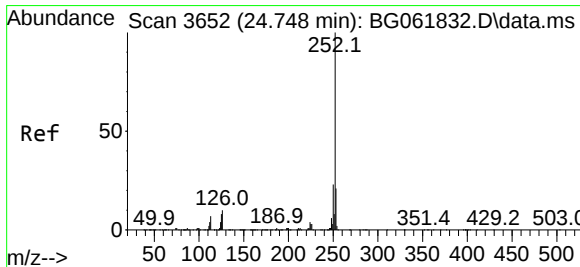
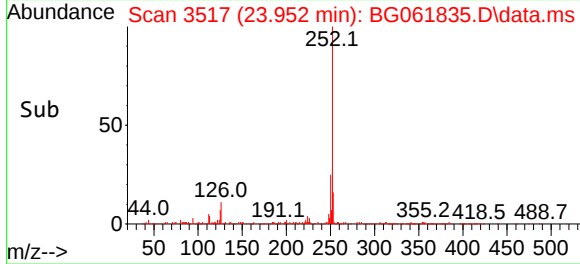
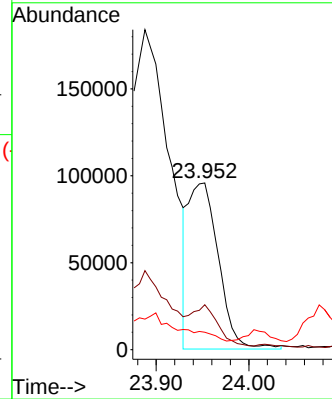
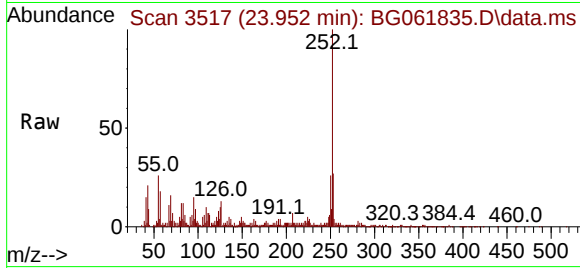
#91
Benzo(k)fluoranthene
Concen: 7.809 ng/ul m
RT: 23.952 min Scan# 3516
Delta R.T. -0.006 min
Lab File: BG061835.D
Acq: 2 Jul 2024 7:00

Instrument : BNA_G
ClientSampleId : A4CS3

Tgt Ion:	252	Resp:	21612
Ion Ratio	Lower	Upper	
252	100		
253	27.0	17.8	26.6
125	10.5	6.2	9.2

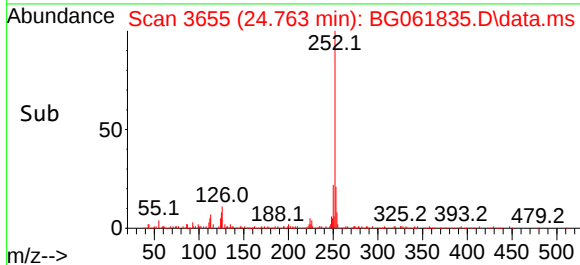
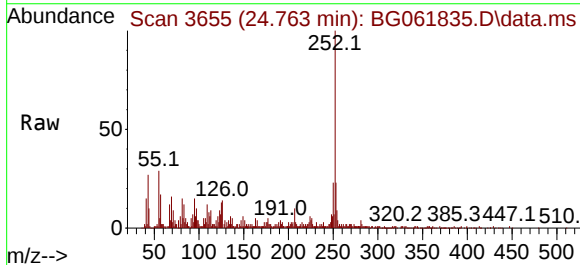
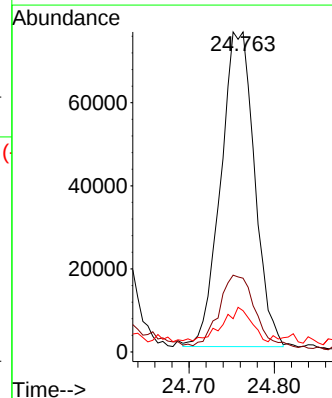
Manual Integrations
APPROVED

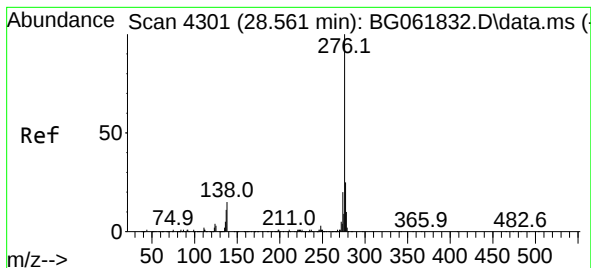
Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/04/2024



#93
Benzo(a)pyrene
Concen: 8.045 ng/ul
RT: 24.763 min Scan# 3655
Delta R.T. 0.000 min
Lab File: BG061835.D
Acq: 2 Jul 2024 7:00

Tgt Ion:	252	Resp:	208441
Ion Ratio	Lower	Upper	
252	100		
253	23.1	16.8	25.2
125	12.9	6.5	9.7





#94

Indeno(1,2,3-cd)pyrene

Concen: 7.373 ng/ul

RT: 28.576 min Scan# 4304

Delta R.T. 0.012 min

Lab File: BG061835.D

Acq: 2 Jul 2024 7:00

Instrument :

BNA_G

ClientSampleId :

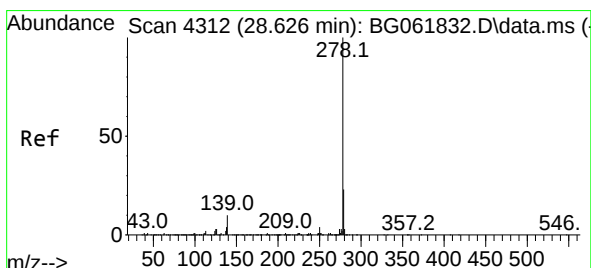
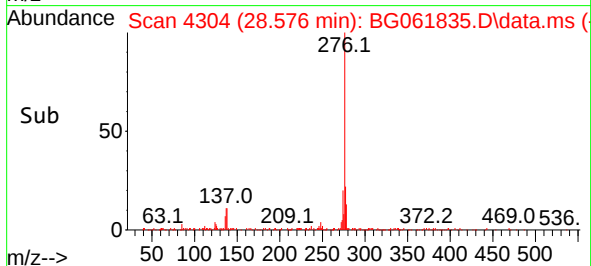
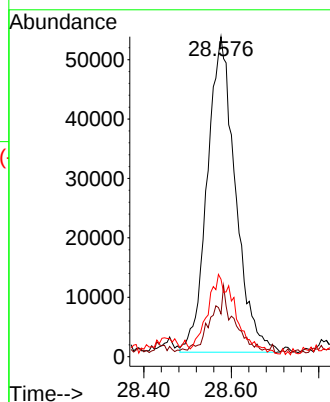
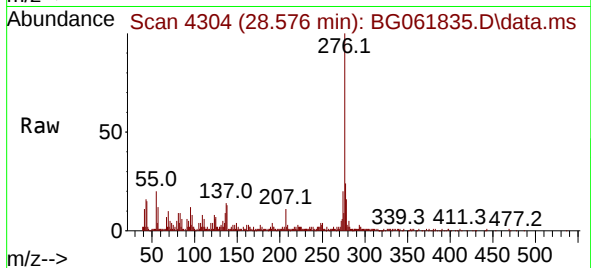
A4CS3

Tgt Ion:	276	Resp:	23802
Ion Ratio	Lower	Upper	
276	100		
138	13.4	12.2	18.4
277	24.2	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: 3.511 ng/ul m

RT: 28.623 min Scan# 4312

Delta R.T. -0.012 min

Lab File: BG061835.D

Acq: 2 Jul 2024 7:00

Tgt Ion:	278	Resp:	94254
Ion Ratio	Lower	Upper	
278	100		
139	15.5	9.1	13.7#
279	24.0	18.6	28.0

