

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072324\
 Data File : BG062186.D
 Acq On : 23 Jul 2024 15:11
 Operator : MA/JU
 Sample : P3263-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4BA7

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024
 Supervised By :mohammad ahmed 07/25/2024

Quant Time: Jul 23 16:03:01 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 19 14:38:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.064	152	43918	20.000	ng/u1	0.00
20) Naphthalene-d8	10.878	136	180865	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.696	164	157238	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.439	188	400622	20.000	ng/u1	0.00
79) Chrysene-d12	21.704	240	379687	20.000	ng/u1	0.00
88) Perylene-d12	24.935	264	411513	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.464	96	3066	3.259	ng/uL	0.00
4) Pyridine-d5	3.887	84	21616	6.325	ng/u1	0.01
7) Phenol-d5	7.236	99	74789	17.298	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.388	67	40711	16.388	ng/u1	0.00
11) 2-Chlorophenol-d4	7.600	132	47140	17.300	ng/u1	0.00
15) 4-Methylphenol-d8	8.781	113	60461	18.361	ng/u1	0.00
21) Nitrobenzene-d5	9.233	128	25639	17.793	ng/u1	0.00
24) 2-Nitrophenol-d4	9.956	143	31648	18.248	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.508	165	70578	19.439	ng/u1	0.00
31) 4-Chloroaniline-d4	11.019	131	63702	14.585	ng/u1	0.00
46) Dimethylphthalate-d6	14.091	166	248611	18.654	ng/u1	0.00
49) Acenaphthylene-d8	14.391	160	270244	19.997	ng/u1	0.00
54) 4-Nitrophenol-d4	14.919	143	26364	16.415	ng/u1	0.00
60) Fluorene-d10	15.689	176	226205	19.934	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.806	200	37388	14.685	ng/u1	0.00
73) Anthracene-d10	17.539	188	388871	20.779	ng/u1	0.00
81) Pyrene-d10	19.819	212	407485	18.928	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.712	264	301869	14.674	ng/u1	0.00
Target Compounds					Qvalue	
30) Naphthalene	10.925	128	24283	2.489	ng/u1#	93
36) 2-Methylnaphthalene	12.528	142	9164	1.244	ng/u1	84
52) Acenaphthene	14.761	153	30092	3.077	ng/u1	92
56) Dibenzofuran	15.090	168	23512	1.597	ng/u1#	81
61) Fluorene	15.742	166	36276	2.873	ng/u1	97
72) Phenanthrene	17.486	178	354114	18.368	ng/u1	95
74) Anthracene	17.575	178	87512	4.409	ng/u1	96
77) Carbazole	17.845	167	40501	2.400	ng/u1	94
80) Fluoranthene	19.490	202	487600	19.744	ng/u1	99
82) Pyrene	19.848	202	411899	16.041	ng/u1	98
85) Benzo(a)anthracene	21.681	228	233798	8.773	ng/u1	96
87) Chrysene	21.751	228	215557m	8.798	ng/u1	
90) Benzo(b)fluoranthene	23.907	252	238503	9.381	ng/u1	98
91) Benzo(k)fluoranthene	23.966	252	96612m	3.807	ng/u1	
93) Benzo(a)pyrene	24.782	252	176149	7.398	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	28.624	276	106759m	3.903	ng/u1	
95) Dibenzo(a,h)anthracene	28.695	278	32838m	1.448	ng/u1	
96) Benzo(g,h,i)perylene	29.787	276	30805m	1.407	ng/u1	

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

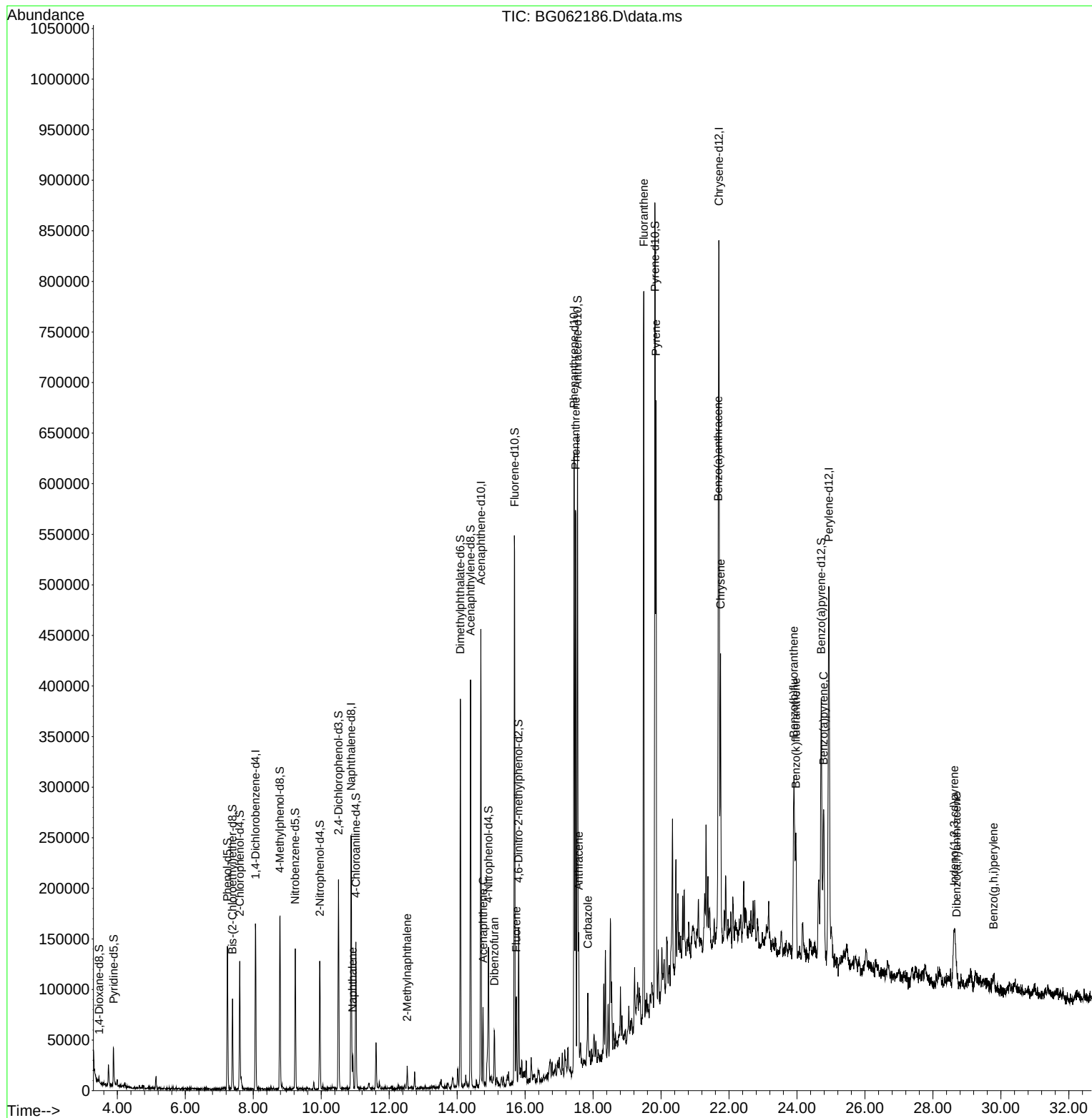
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072324\
Data File : BG062186.D
Acq On : 23 Jul 2024 15:11
Operator : MA/JU
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Misc :
ALS Vial : 7 Sample Multiplier: 1

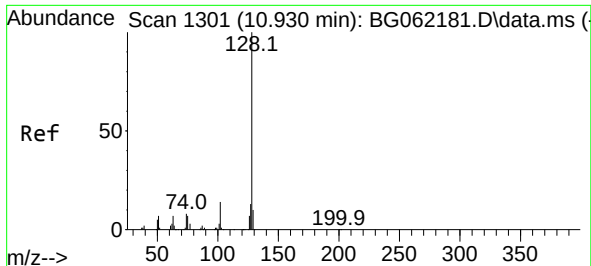
Instrument :
BNA_G
ClientSampleId :
A4BA7

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 19 14:38:52 2024
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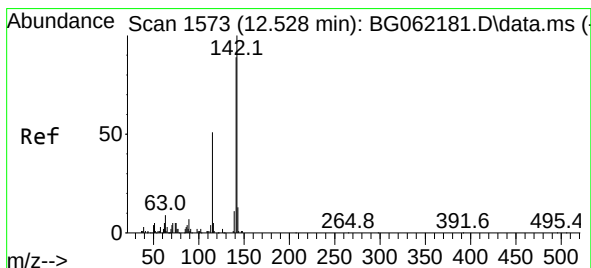
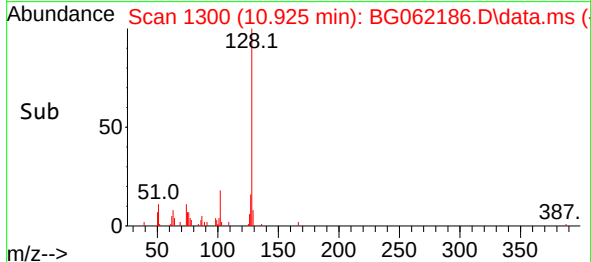
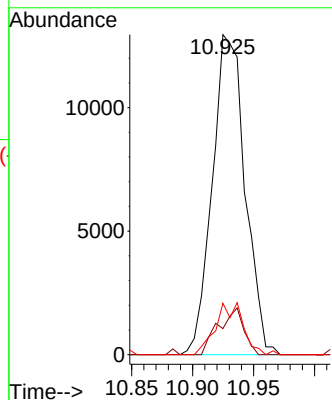
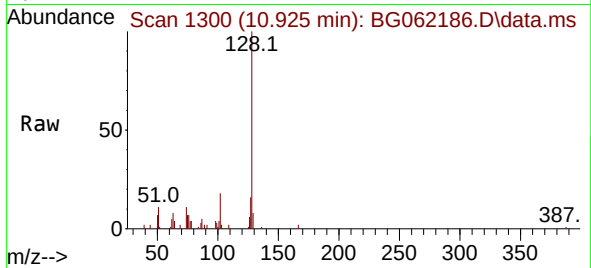
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Naphthalene
Concen: 2.489 ng/ul
RT: 10.925 min Scan# 1300
Delta R.T. -0.006 min
Lab File: BG062186.D
Acq: 23 Jul 2024 15:11

Instrument :
BNA_G
ClientSampleId :
A4BA7

Tgt Ion:128 Resp: 2428
Ion Ratio Lower Upper
128 100
129 8.2 8.7 13.1
127 16.1 10.6 15.8

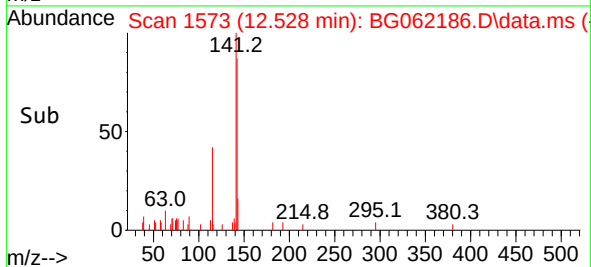
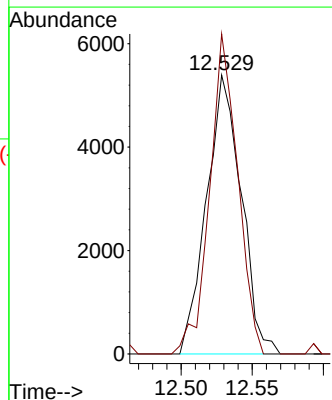
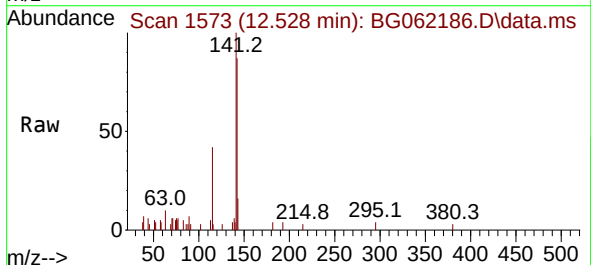
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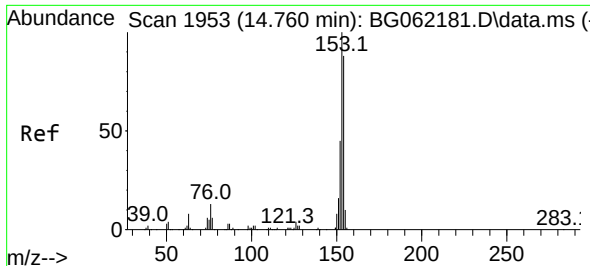
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/25/2024



#36
2-Methylnaphthalene
Concen: 1.244 ng/ul
RT: 12.528 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BG062186.D
Acq: 23 Jul 2024 15:11

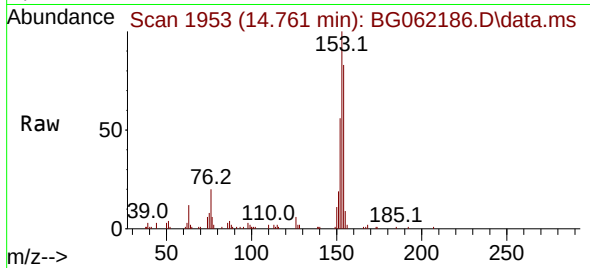
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Ion Ratio Lower Upper
142 100
141 114.7 79.1 118.7





#52
Acenaphthene
Concen: 3.077 ng/ul
RT: 14.761 min Scan# 1953
Delta R.T. -0.000 min
Lab File: BG062186.D
Acq: 23 Jul 2024 15:11

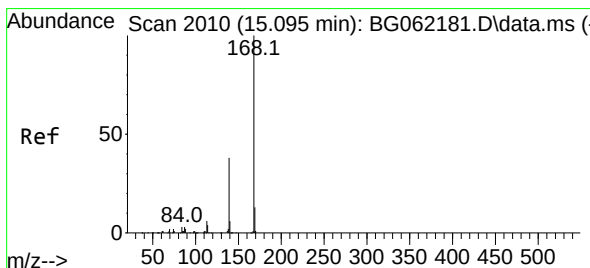
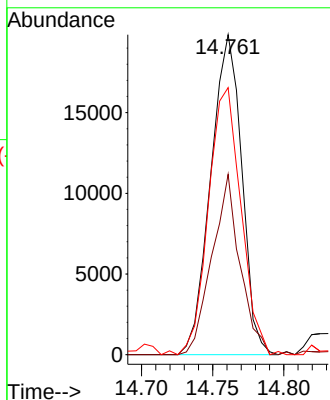
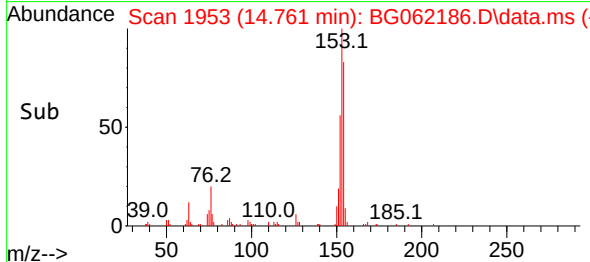
Instrument :
BNA_G
ClientSampleId :
A4BA7



Tgt Ion:153 Resp: 30092
Ion Ratio Lower Upper
153 100
152 56.3 38.2 57.4
154 83.5 71.0 106.6

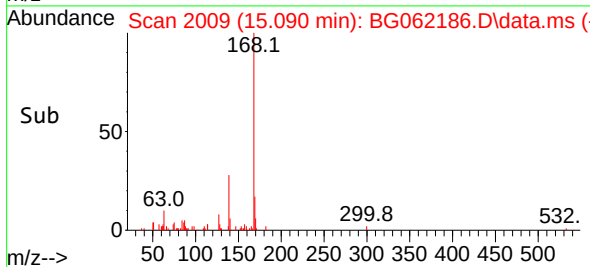
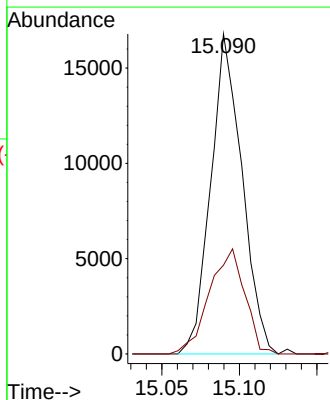
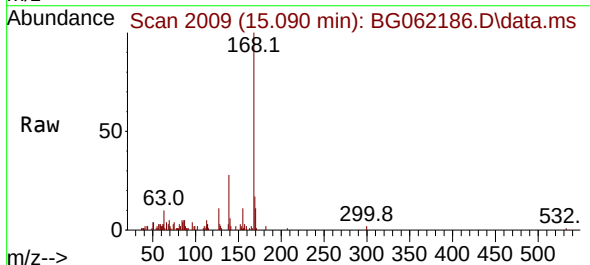
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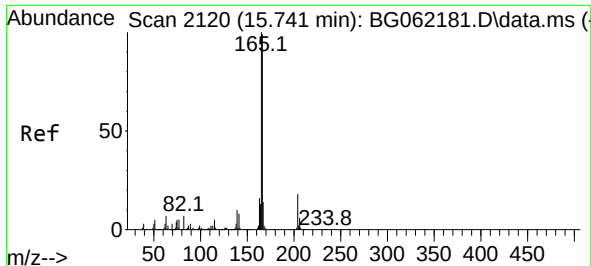
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/25/2024



#56
Dibenzofuran
Concen: 1.597 ng/ul
RT: 15.090 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BG062186.D
Acq: 23 Jul 2024 15:11

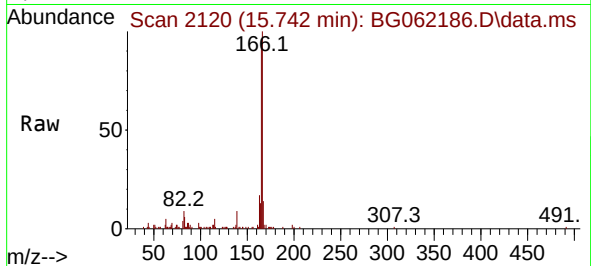
Tgt Ion:168 Resp: 23512
Ion Ratio Lower Upper
168 100
139 27.8 31.8 47.6#





#61
Fluorene
Concen: 2.873 ng/ul
RT: 15.742 min Scan# 2120
Delta R.T. -0.000 min
Lab File: BG062186.D
Acq: 23 Jul 2024 15:11

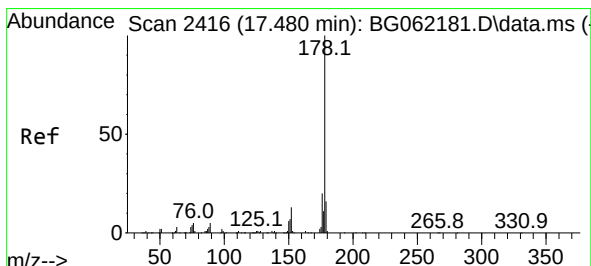
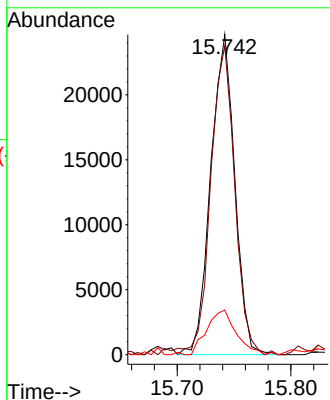
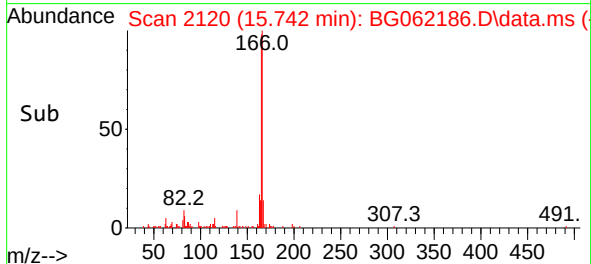
Instrument :
BNA_G
ClientSampleId :
A4BA7



Tgt Ion:166 Resp: 36270
Ion Ratio Lower Upper
166 100
165 96.5 80.2 120.2
167 13.9 10.9 16.3

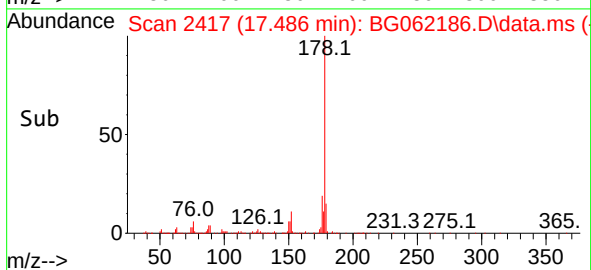
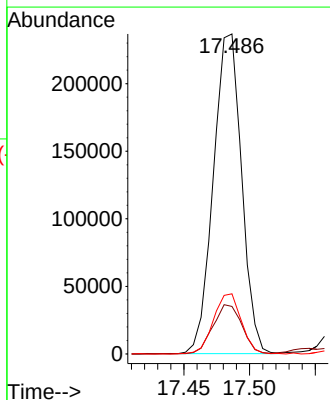
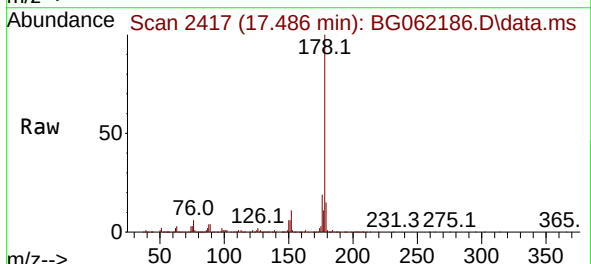
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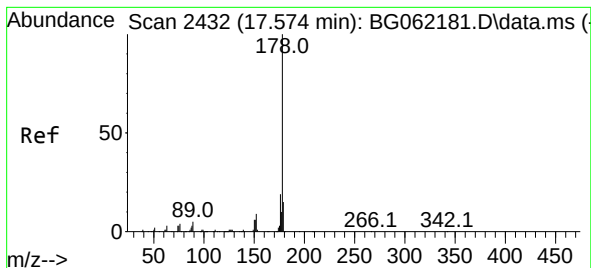
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/25/2024



#72
Phenanthrene
Concen: 18.368 ng/ul
RT: 17.486 min Scan# 2417
Delta R.T. 0.006 min
Lab File: BG062186.D
Acq: 23 Jul 2024 15:11

Tgt Ion:178 Resp: 354114
Ion Ratio Lower Upper
178 100
179 14.8 14.1 21.1
176 18.8 16.3 24.5





#74

Anthracene

Concen: 4.409 ng/uI

RT: 17.575 min Scan# 2432

Delta R.T. -0.000 min

Lab File: BG062186.D

Acq: 23 Jul 2024 15:11

Instrument :

BNA_G

ClientSampleId :

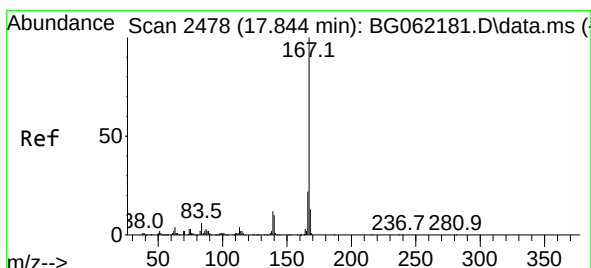
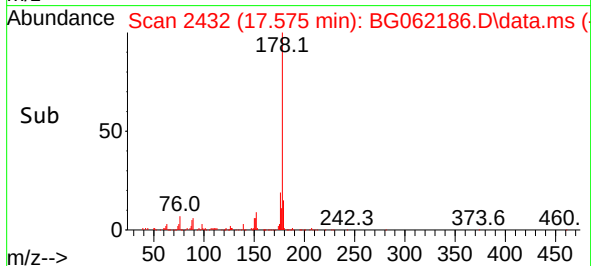
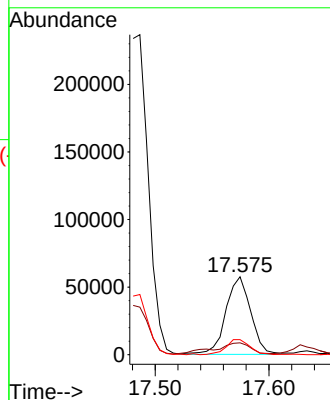
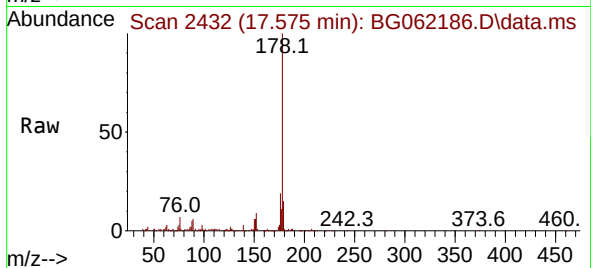
A4BA7

Tgt Ion:178 Resp: 87512
 Ion Ratio Lower Upper
 178 100
 179 15.3 13.9 20.9
 176 19.2 16.3 24.5

Manual Integrations

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 Supervised By :mohammad ahmed 07/25/2024



#77

Carbazole

Concen: 2.400 ng/uI

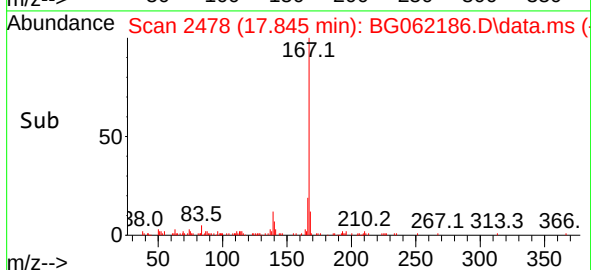
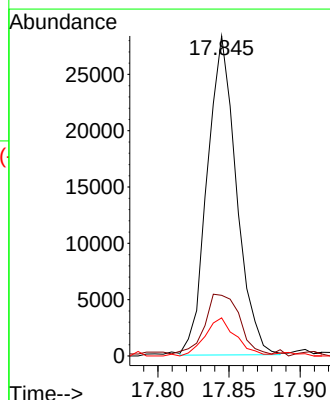
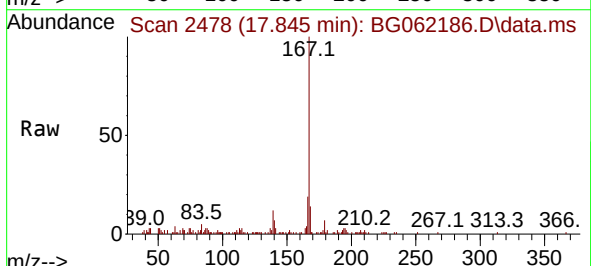
RT: 17.845 min Scan# 2478

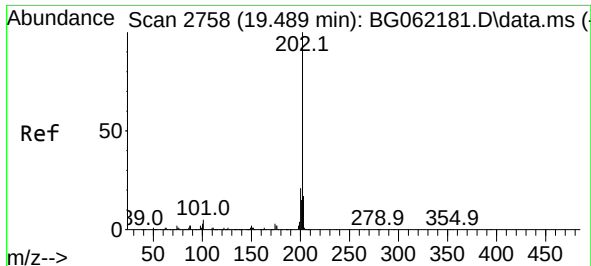
Delta R.T. -0.000 min

Lab File: BG062186.D

Acq: 23 Jul 2024 15:11

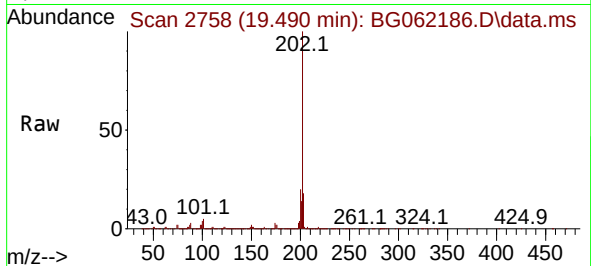
Tgt Ion:167 Resp: 40501
 Ion Ratio Lower Upper
 167 100
 166 18.9 18.5 27.7
 139 11.9 9.8 14.8





#80
Fluoranthene
Concen: 19.744 ng/ul
RT: 19.490 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG062186.D
Acq: 23 Jul 2024 15:11

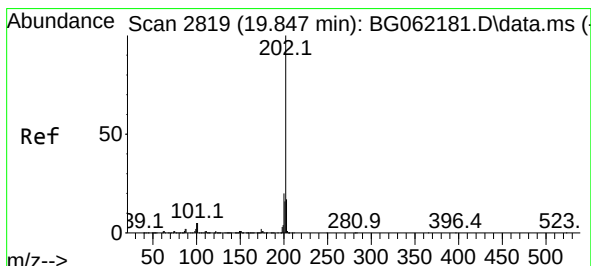
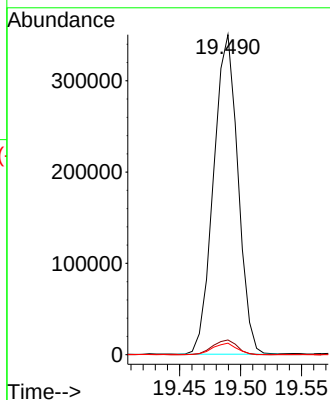
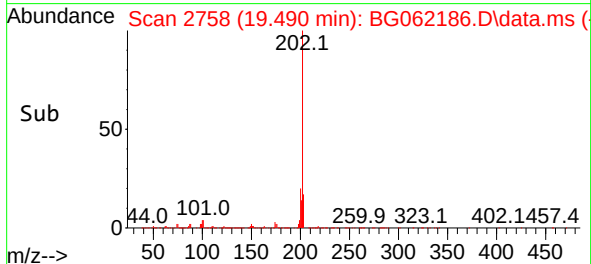
Instrument :
BNA_G
ClientSampleId :
A4BA7



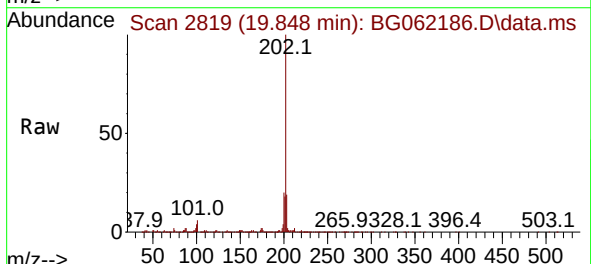
Tgt Ion:202 Resp: 487600
Ion Ratio Lower Upper
202 100
101 4.6 4.2 6.2
100 3.6 3.1 4.7

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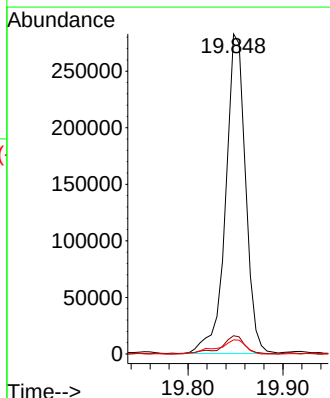
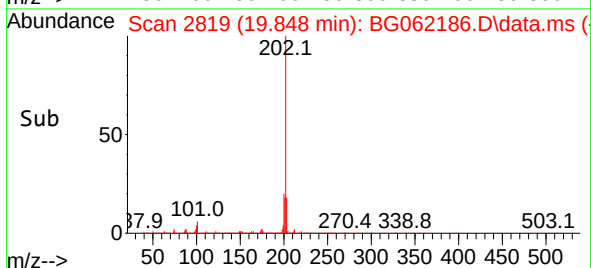
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/25/2024

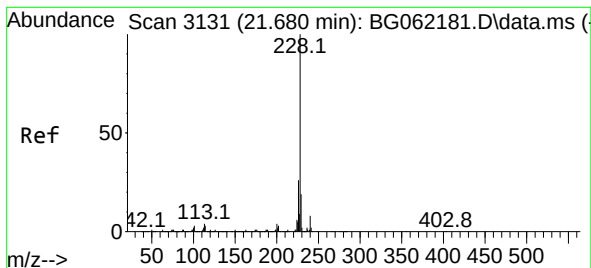


#82
Pyrene
Concen: 16.041 ng/ul
RT: 19.848 min Scan# 2819
Delta R.T. -0.000 min
Lab File: BG062186.D
Acq: 23 Jul 2024 15:11



Tgt Ion:202 Resp: 411899
Ion Ratio Lower Upper
202 100
101 5.7 4.2 6.4
100 4.4 4.0 6.0





#85

Benzo(a)anthracene

Concen: 8.773 ng/ul

RT: 21.681 min Scan# 3131

Delta R.T. -0.000 min

Lab File: BG062186.D

Acq: 23 Jul 2024 15:11

Instrument :

BNA_G

ClientSampleId :

A4BA7

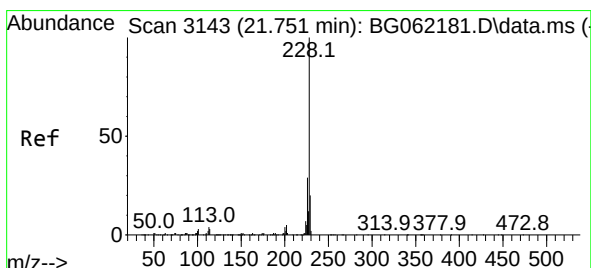
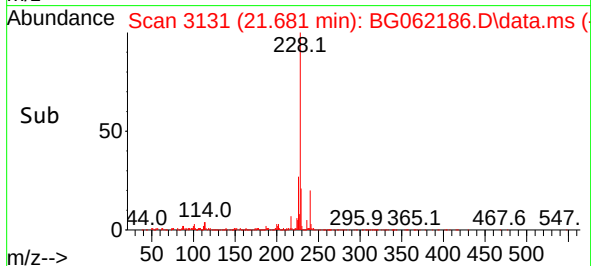
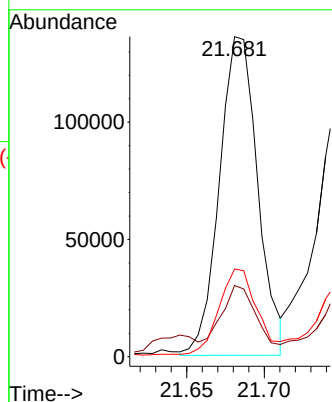
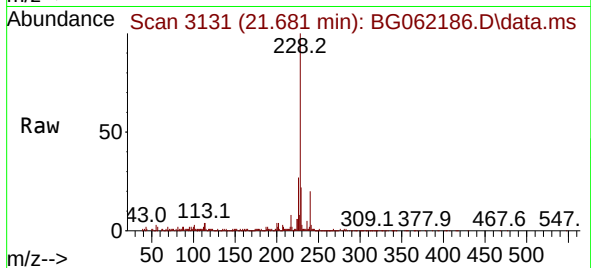
Tgt Ion:228 Resp: 233798

Ion	Ratio	Lower	Upper
228	100		
229	22.3	15.4	23.2
226	27.4	20.9	31.3

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#87

Chrysene

Concen: 8.798 ng/ul m

RT: 21.751 min Scan# 3143

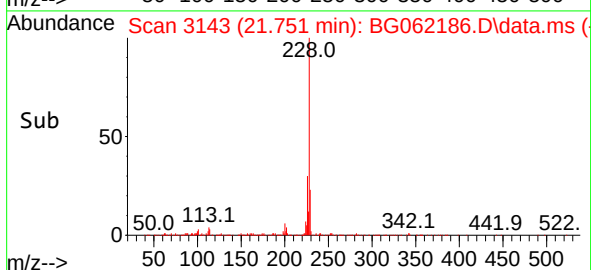
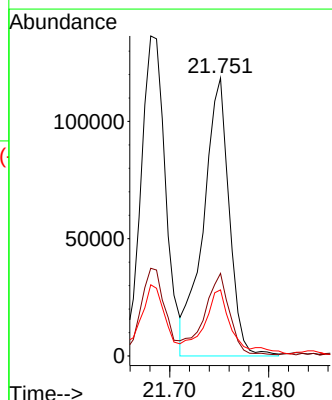
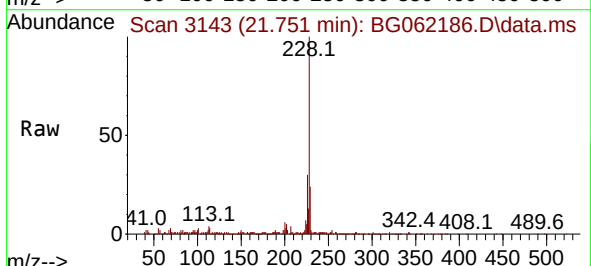
Delta R.T. -0.000 min

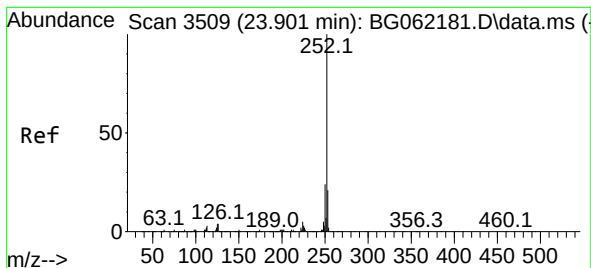
Lab File: BG062186.D

Acq: 23 Jul 2024 15:11

Tgt Ion:228 Resp: 215557

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.0	36.0
229	23.8	15.4	23.0





#90

Benzo(b)fluoranthene

Concen: 9.381 ng/ul

RT: 23.907 min Scan# 3509

Delta R.T. -0.000 min

Lab File: BG062186.D

Acq: 23 Jul 2024 15:11

Instrument :

BNA_G

ClientSampleId :

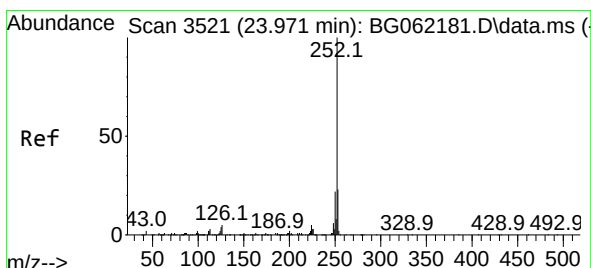
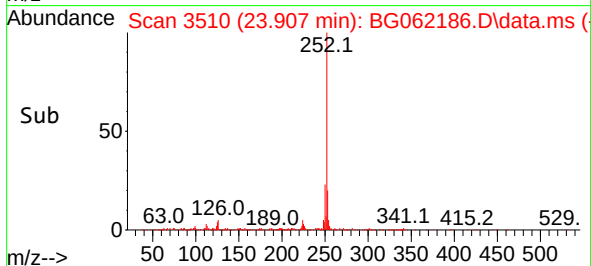
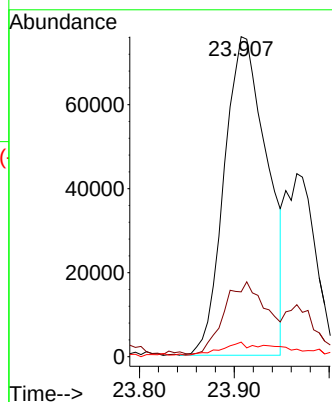
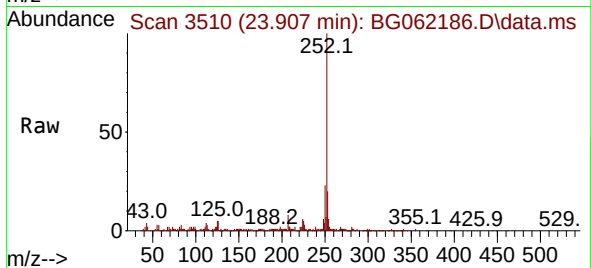
A4BA7

Tgt Ion:	252	Resp:	23850
Ion Ratio	Lower	Upper	
252	100		
253	20.3	17.2	25.8
125	4.6	3.4	5.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/25/2024



#91

Benzo(k)fluoranthene

Concen: 3.807 ng/ul m

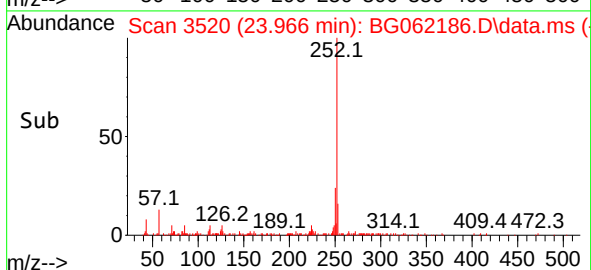
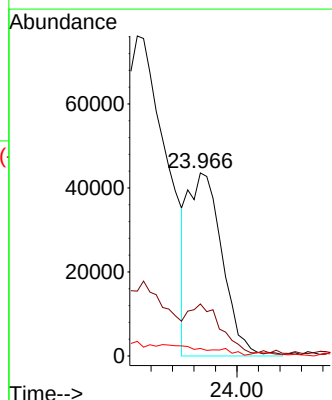
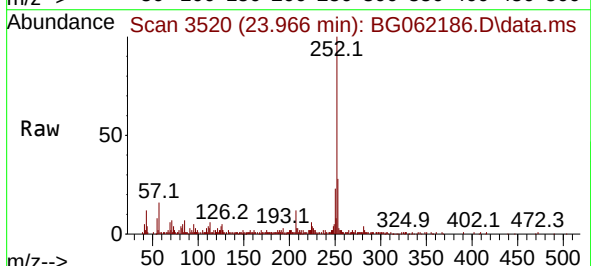
RT: 23.966 min Scan# 3520

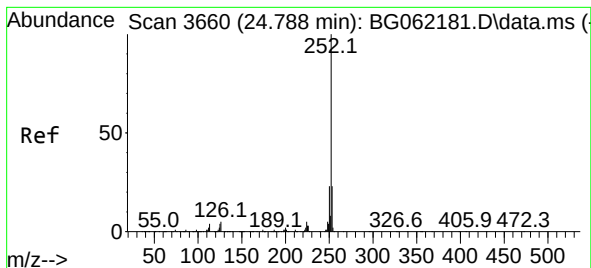
Delta R.T. -0.006 min

Lab File: BG062186.D

Acq: 23 Jul 2024 15:11

Tgt Ion:	252	Resp:	96612
Ion Ratio	Lower	Upper	
252	100		
253	28.4	18.2	27.2#
125	4.1	2.7	4.1





#93

Benzo(a)pyrene

Concen: 7.398 ng/ul

RT: 24.782 min Scan# 3660

Delta R.T. -0.000 min

Lab File: BG062186.D

Acq: 23 Jul 2024 15:11

Instrument :

BNA_G

ClientSampleId :

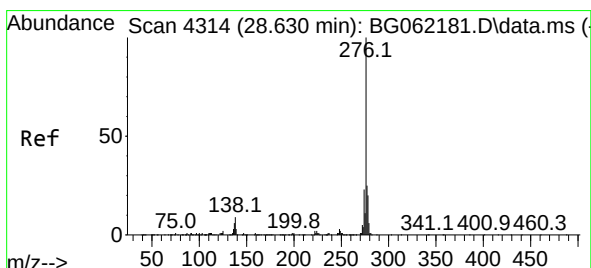
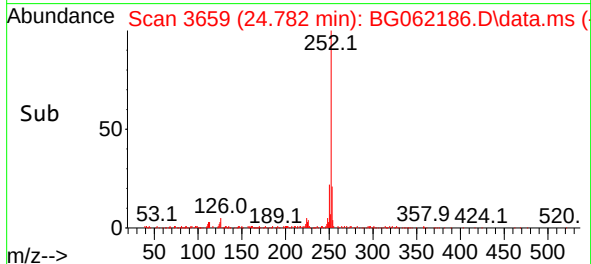
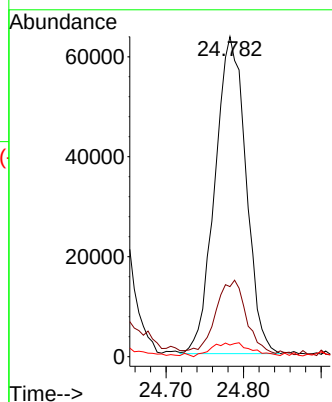
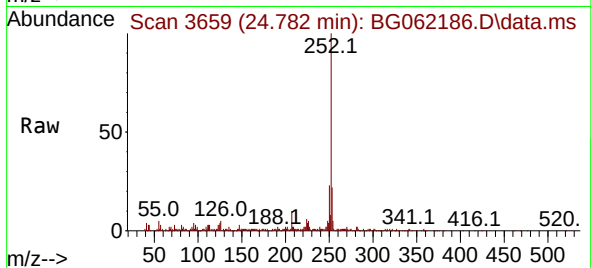
A4BA7

Tgt Ion:	252	Resp:	176149
Ion Ratio	Lower	Upper	
252	100		
253	21.9	16.6	24.8
125	3.6	3.0	4.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/25/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 3.903 ng/ul m

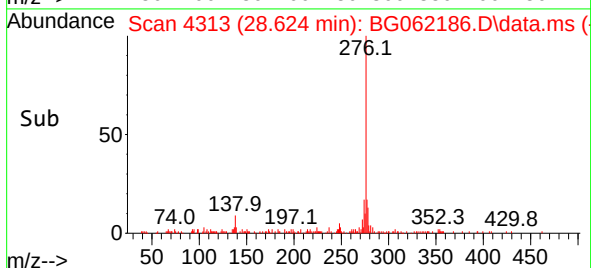
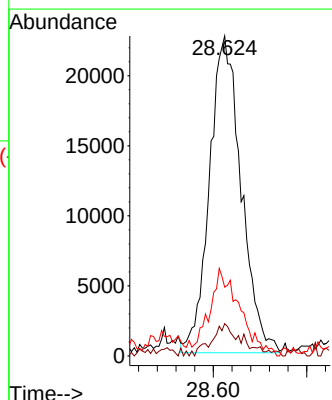
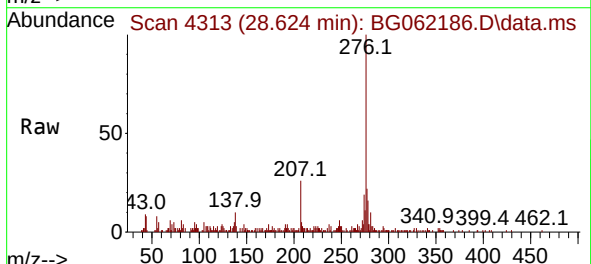
RT: 28.624 min Scan# 4313

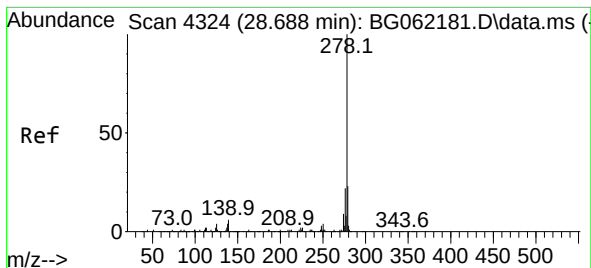
Delta R.T. -0.000 min

Lab File: BG062186.D

Acq: 23 Jul 2024 15:11

Tgt Ion:	276	Resp:	106759
Ion Ratio	Lower	Upper	
276	100		
138	10.1	6.1	9.1#
277	21.5	17.4	26.2





#95

Dibenzo(a,h)anthracene

Concen: 1.448 ng/ul m

RT: 28.695 min Scan# 4

Delta R.T. 0.012 min

Lab File: BG062186.D

Acq: 23 Jul 2024 15:11

Instrument :

BNA_G

ClientSampleId :

A4BA7

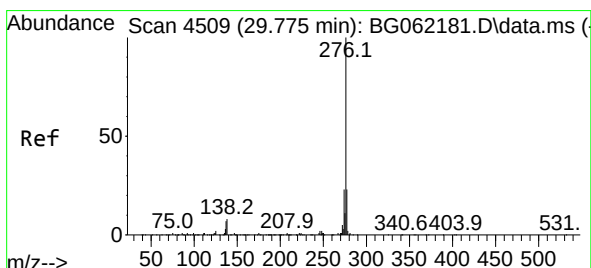
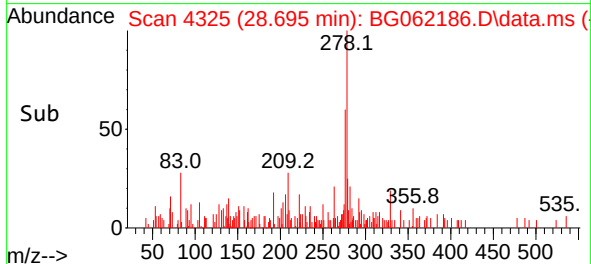
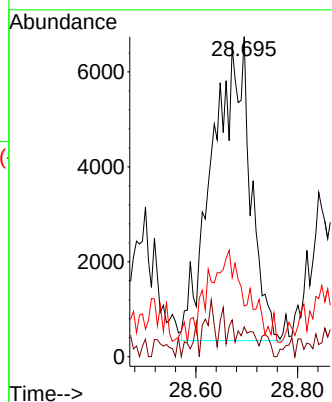
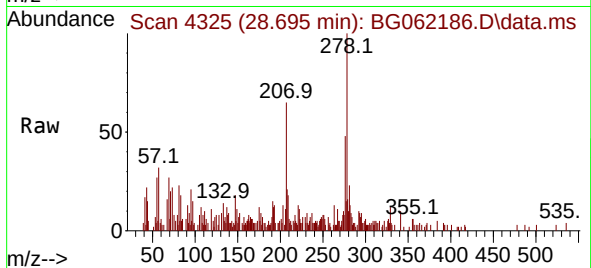
Tgt Ion:278 Resp: 3283

Ion	Ratio	Lower	Upper
278	100		
139	9.3	4.7	7.1
279	15.8	18.9	28.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/25/2024



#96

Benzo(g,h,i)perylene

Concen: 1.407 ng/ul m

RT: 29.787 min Scan# 4511

Delta R.T. -0.006 min

Lab File: BG062186.D

Acq: 23 Jul 2024 15:11

Tgt Ion:276 Resp: 30805

Ion	Ratio	Lower	Upper
276	100		
138	5.5	7.0	10.6
277	19.9	17.9	26.9

