

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060424\
 Data File : BG061501.D
 Acq On : 6 Jun 2024 1:30
 Operator : MA/JU
 Sample : P2623-07DL 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BHBR2DL

Manual Integrations
 APPROVED

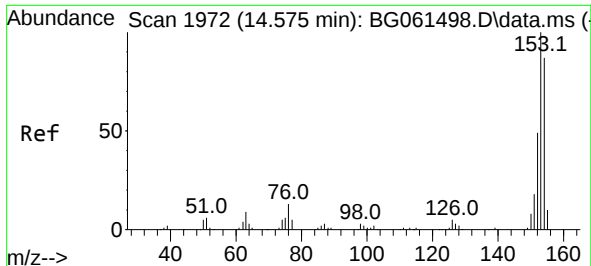
Reviewed By :Jagrut Upadhyay 06/06/2024
 Supervised By :mohammad ahmed 06/07/2024

Quant Time: Jun 06 03:42:22 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 30 22:54:48 2024
 Response via : Initial Calibration

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

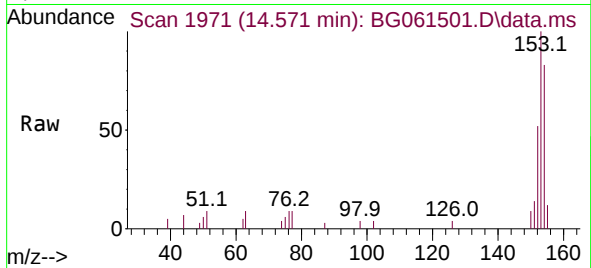
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.873	152	27102	20.000	ng/u1	0.00
20) Naphthalene-d8	10.670	136	109382	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.513	164	83610	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.262	188	194795	20.000	ng/u1	0.00
79) Chrysene-d12	21.516	240	214467	20.000	ng/u1	0.00
88) Perylene-d12	24.613	264	241202	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.000	96	0d	0.000	ng/uL	
4) Pyridine-d5	3.749	84	2168	1.258	ng/u1	0.01
7) Phenol-d5	7.068	99	8181	3.676	ng/u1	0.02
9) Bis-(2-Chloroethyl)eth...	7.204	67	5163	3.691	ng/u1	0.00
11) 2-Chlorophenol-d4	7.415	132	6660	4.043	ng/u1	0.00
15) 4-Methylphenol-d8	8.602	113	6845	3.607	ng/u1	0.01
21) Nitrobenzene-d5	9.025	128	3879	4.606	ng/u1	0.00
24) 2-Nitrophenol-d4	9.754	143	4622	4.689	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.312	165	8637	4.495	ng/u1	0.00
31) 4-Chloroaniline-d4	10.811	131	4545	1.808	ng/u1	0.00
46) Dimethylphthalate-d6	13.913	166	29166	4.498	ng/u1	0.00
49) Acenaphthylene-d8	14.201	160	32925	4.884	ng/u1	0.00
54) 4-Nitrophenol-d4	14.771	143	1556m	1.941	ng/u1	0.03
60) Fluorene-d10	15.506	176	26585	4.749	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0d	0.000	ng/u1	
73) Anthracene-d10	17.362	188	45668	5.318	ng/u1	0.00
81) Pyrene-d10	19.654	212	50946	4.626	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.395	264	45074	3.887	ng/u1	0.01
Target Compounds						
					Qvalue	
52) Acenaphthene	14.571	153	7924	1.616	ng/u1	95
56) Dibenzofuran	14.912	168	10877	1.551	ng/u1	99
61) Fluorene	15.559	166	8814	1.453	ng/u1	98
72) Phenanthrene	17.304	178	261684	27.678	ng/u1	99
74) Anthracene	17.392	178	47096	4.818	ng/u1	100
77) Carbazole	17.668	167	24221	3.046	ng/u1	98
80) Fluoranthene	19.325	202	453265	34.312	ng/u1	99
82) Pyrene	19.683	202	316479	23.080	ng/u1	99
85) Benzo(a)anthracene	21.499	228	243777	16.473	ng/u1	98
87) Chrysene	21.563	228	212361m	15.585	ng/u1	
90) Benzo(b)fluoranthene	23.637	252	266021	18.524	ng/u1	99
91) Benzo(k)fluoranthene	23.690	252	109267m	7.495	ng/u1	
93) Benzo(a)pyrene	24.466	252	111130	8.149	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	28.114	276	76573m	4.643	ng/u1	
95) Dibenzo(a,h)anthracene	28.156	278	28471m	2.094	ng/u1	

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



#52
Acenaphthene
Concen: 1.616 ng/ul
RT: 14.571 min Scan# 1972
Delta R.T. -0.002 min
Lab File: BG061501.D
Acq: 6 Jun 2024 1:30

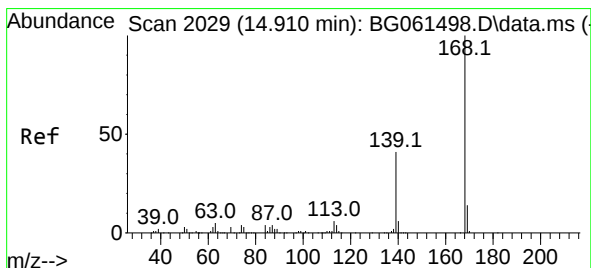
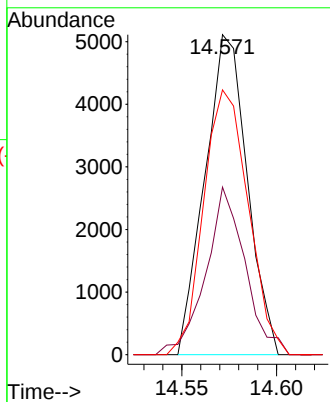
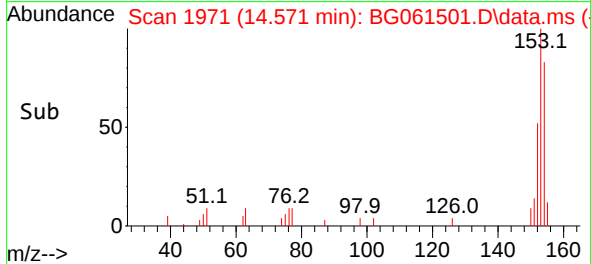
Instrument :
BNA_G
ClientSampleId :
BHBR2DL



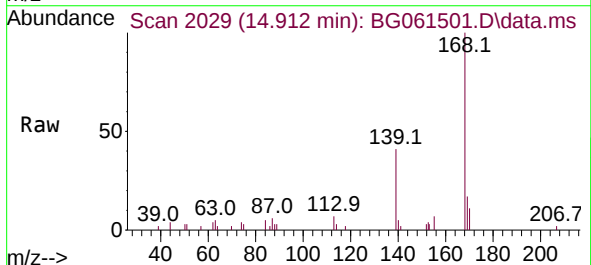
Tgt Ion:153 Resp: 7924
Ion Ratio Lower Upper
153 100
152 52.4 37.8 56.8
154 82.7 69.0 103.6

Manual Integrations
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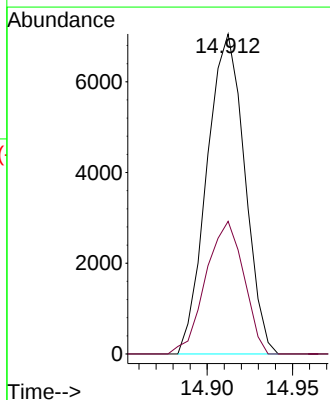
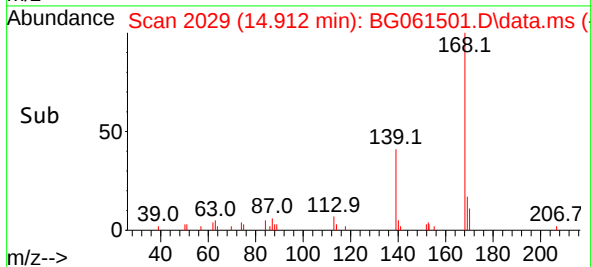
Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024

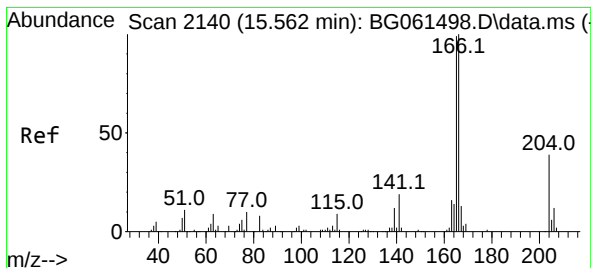


#56
Dibenzofuran
Concen: 1.551 ng/ul
RT: 14.912 min Scan# 2029
Delta R.T. 0.004 min
Lab File: BG061501.D
Acq: 6 Jun 2024 1:30



Tgt Ion:168 Resp: 10877
Ion Ratio Lower Upper
168 100
139 41.4 33.4 50.2





#61

Fluorene

Concen: 1.453 ng/ul

RT: 15.559 min Scan# 2140

Delta R.T. -0.002 min

Lab File: BG061501.D

Acq: 6 Jun 2024 1:30

Instrument :

BNA_G

ClientSampleId :

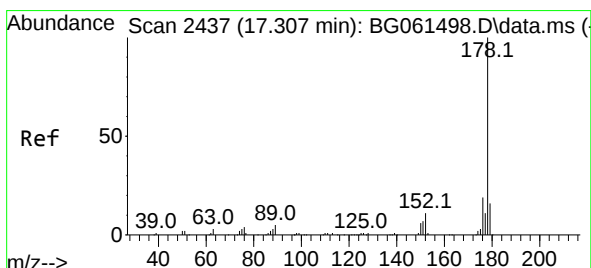
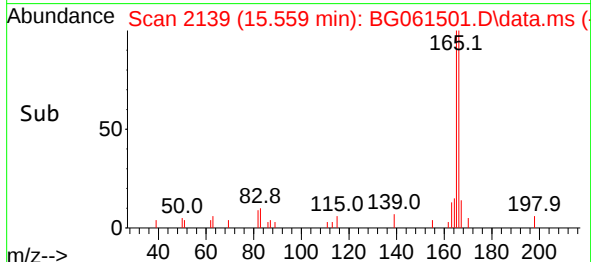
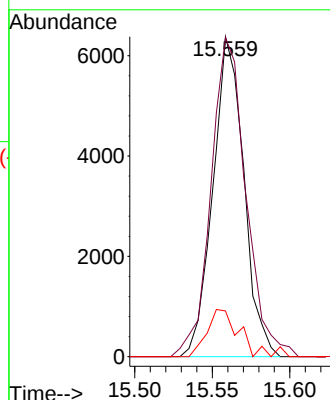
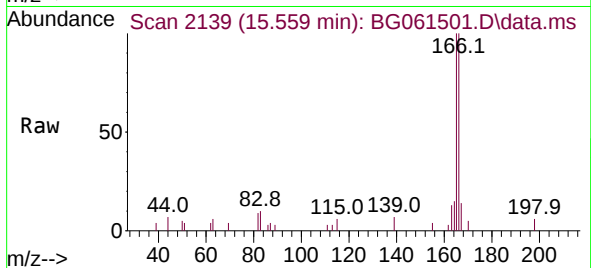
BHBR2DL

Tgt Ion:166	Resp:	8814
Ion Ratio	Lower	Upper
166	100	
165	99.8	81.8 122.8
167	14.3	10.6 16.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024



#72

Phenanthrene

Concen: 27.678 ng/ul

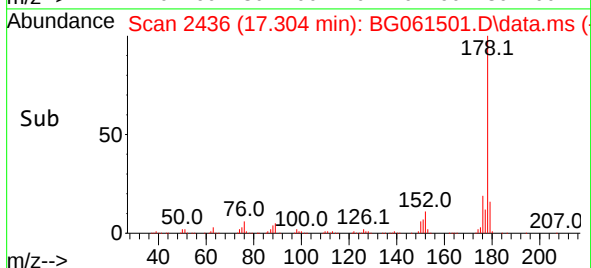
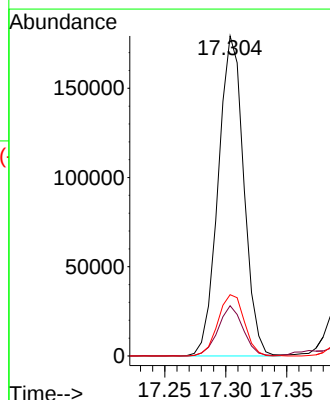
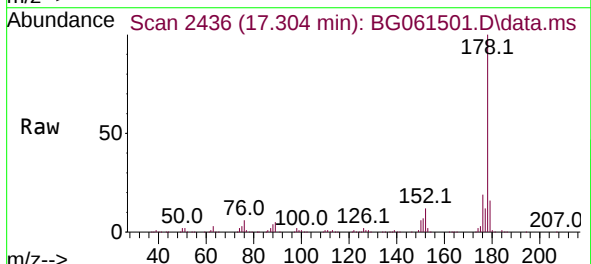
RT: 17.304 min Scan# 2436

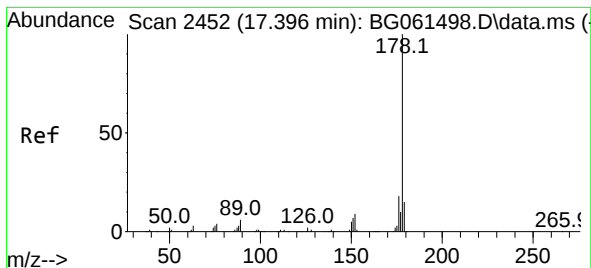
Delta R.T. 0.004 min

Lab File: BG061501.D

Acq: 6 Jun 2024 1:30

Tgt Ion:178	Resp:	261684
Ion Ratio	Lower	Upper
178	100	
179	15.7	12.7 19.1
176	19.1	15.5 23.3





#74

Anthracene

Concen: 4.818 ng/ul

RT: 17.392 min Scan# 2452

Delta R.T. -0.002 min

Lab File: BG061501.D

Acq: 6 Jun 2024 1:30

Instrument :

BNA_G

ClientSampleId :

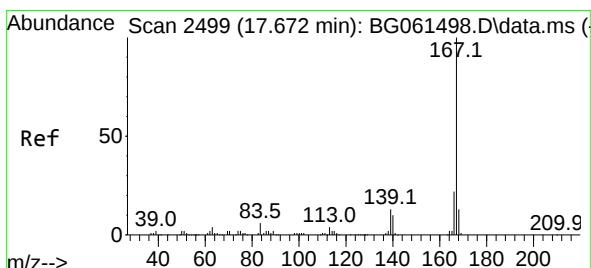
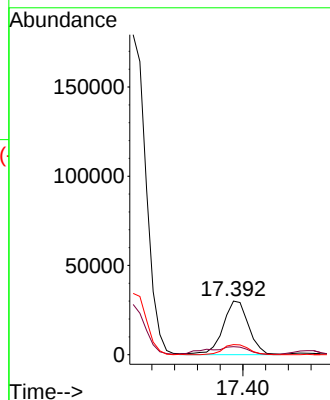
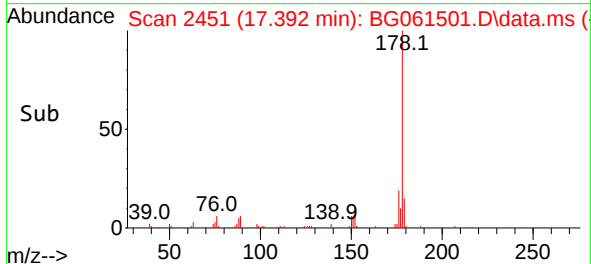
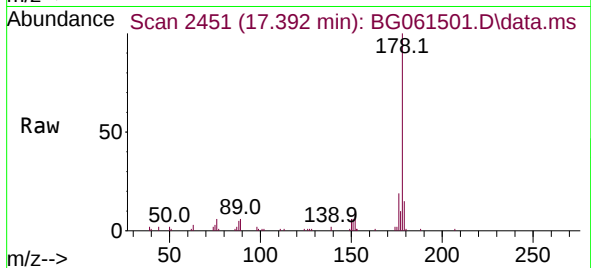
BHBR2DL

Tgt Ion:	178	Resp:	47090
Ion	Ratio	Lower	Upper
178	100		
179	14.8	11.8	17.6
176	18.7	14.9	22.3

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024



#77

Carbazole

Concen: 3.046 ng/ul

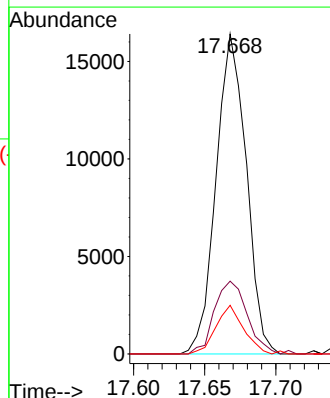
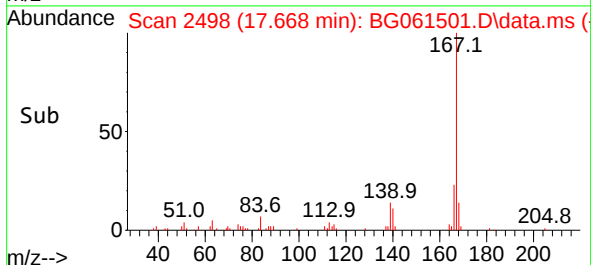
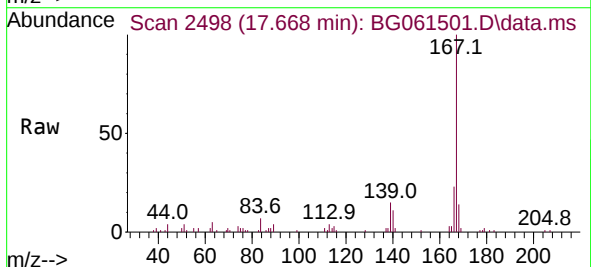
RT: 17.668 min Scan# 2498

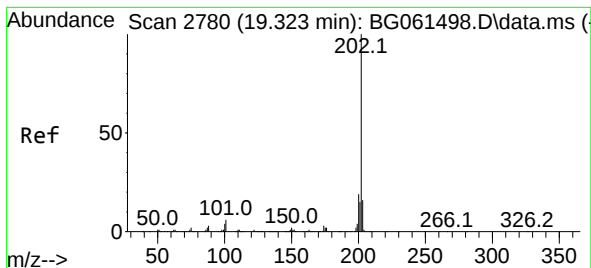
Delta R.T. 0.004 min

Lab File: BG061501.D

Acq: 6 Jun 2024 1:30

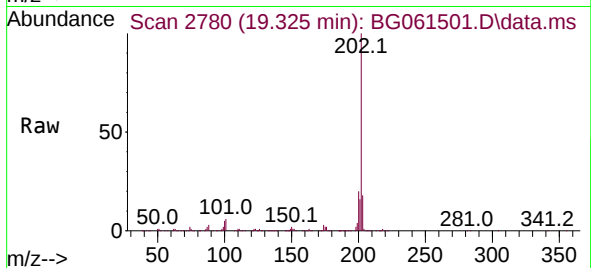
Tgt Ion:	167	Resp:	24221
Ion	Ratio	Lower	Upper
167	100		
166	22.8	18.6	28.0
139	15.2	10.6	15.8





#80
Fluoranthene
Concen: 34.312 ng/u1
RT: 19.325 min Scan# 21
Delta R.T. 0.010 min
Lab File: BG061501.D
Acq: 6 Jun 2024 1:30

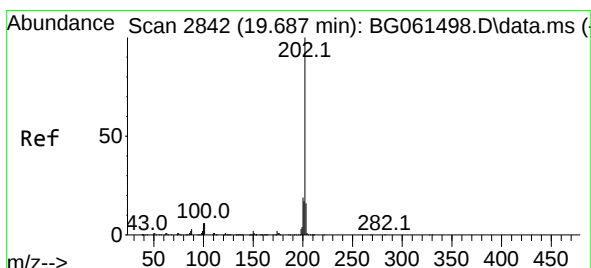
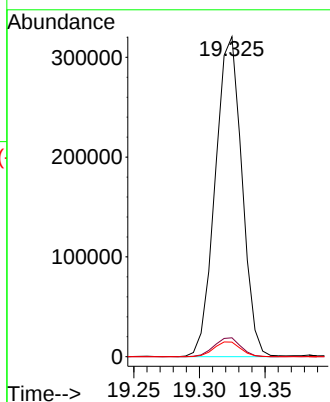
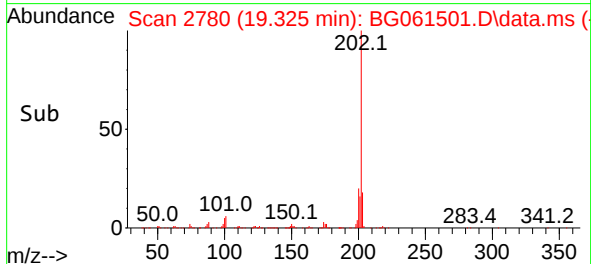
Instrument :
BNA_G
ClientSampleId :
BHBR2DL



Tgt Ion:202 Resp: 45326
Ion Ratio Lower Upper
202 100
101 5.9 4.8 7.2
100 4.5 4.1 6.1

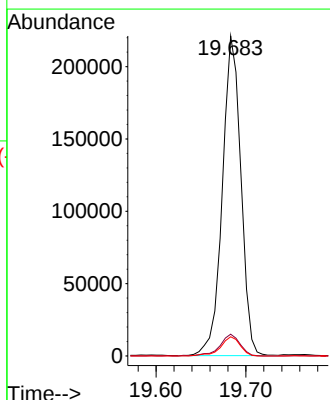
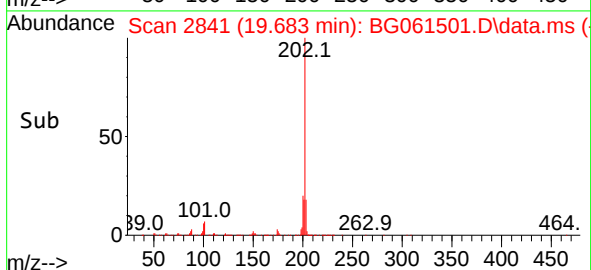
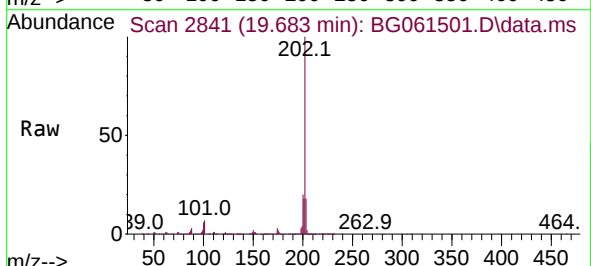
Manual Integrations
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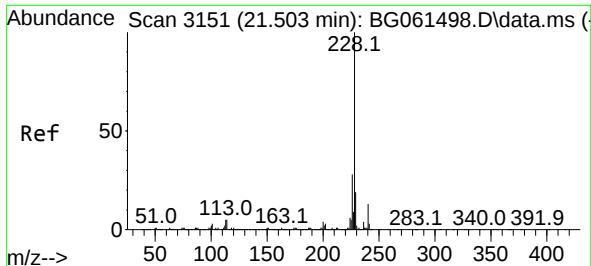
Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024



#82
Pyrene
Concen: 23.080 ng/u1
RT: 19.683 min Scan# 2841
Delta R.T. 0.004 min
Lab File: BG061501.D
Acq: 6 Jun 2024 1:30

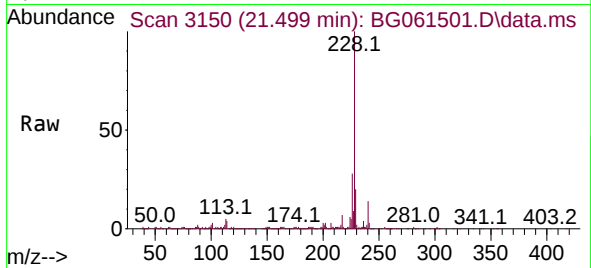
Tgt Ion:202 Resp: 316479
Ion Ratio Lower Upper
202 100
101 6.8 5.7 8.5
100 6.0 5.1 7.7





#85
Benzo(a)anthracene
Concen: 16.473 ng/ul
RT: 21.499 min Scan# 3150
Delta R.T. 0.004 min
Lab File: BG061501.D
Acq: 6 Jun 2024 1:30

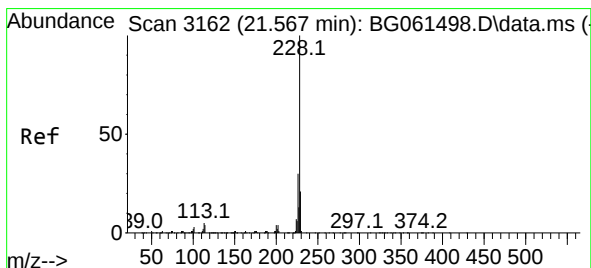
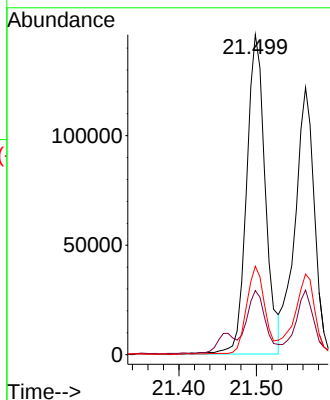
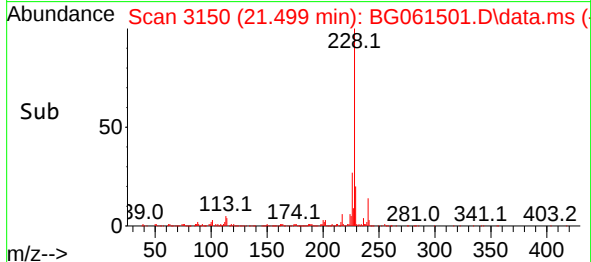
Instrument :
BNA_G
ClientSampleId :
BHBR2DL



Tgt Ion:228 Resp: 243777
Ion Ratio Lower Upper
228 100
229 20.1 15.2 22.8
226 27.6 21.4 32.2

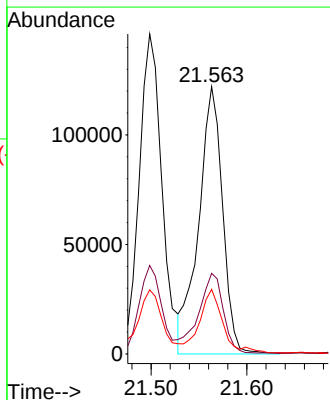
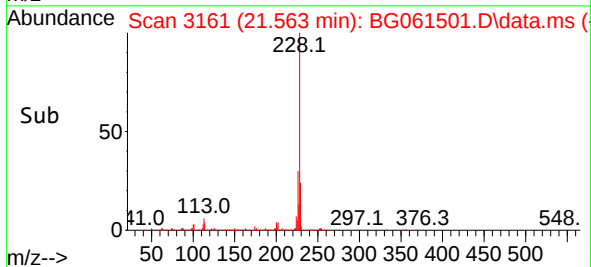
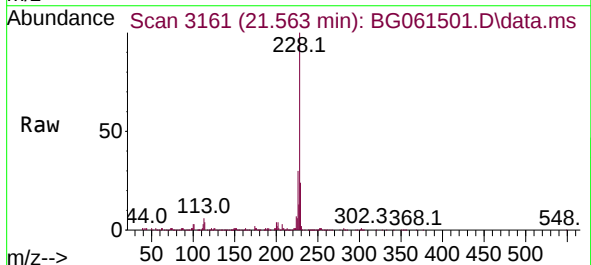
Manual Integrations
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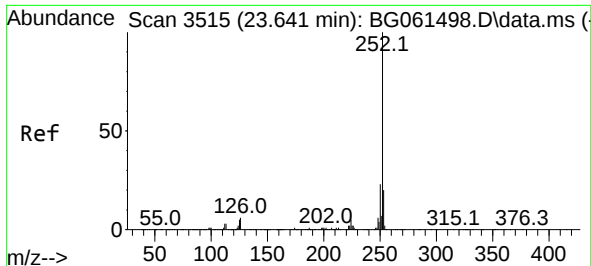
Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024



#87
Chrysene
Concen: 15.585 ng/ul m
RT: 21.563 min Scan# 3161
Delta R.T. 0.010 min
Lab File: BG061501.D
Acq: 6 Jun 2024 1:30

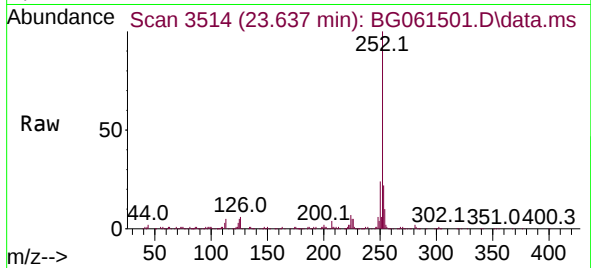
Tgt Ion:228 Resp: 212361
Ion Ratio Lower Upper
228 100
226 30.2 23.4 35.0
229 24.2 15.4 23.2#





#90
Benzo(b)fluoranthene
Concen: 18.524 ng/ul
RT: 23.637 min Scan# 3514
Delta R.T. 0.022 min
Lab File: BG061501.D
Acq: 6 Jun 2024 1:30

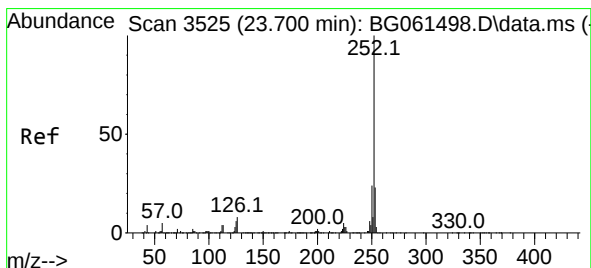
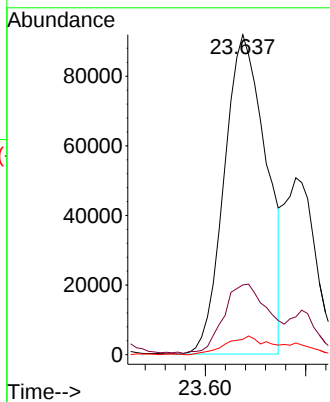
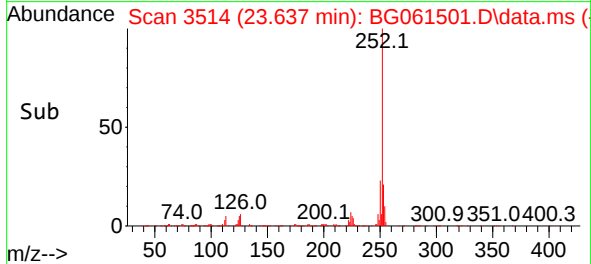
Instrument :
BNA_G
ClientSampleId :
BHBR2DL



Tgt Ion:252 Resp: 26602
Ion Ratio Lower Upper
252 100
253 21.8 17.8 26.8
125 4.8 4.6 6.8

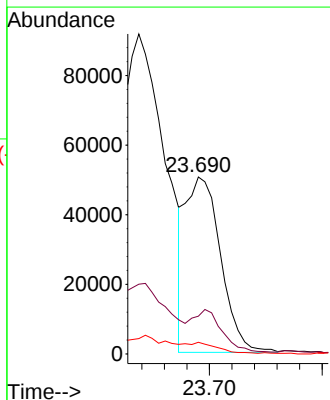
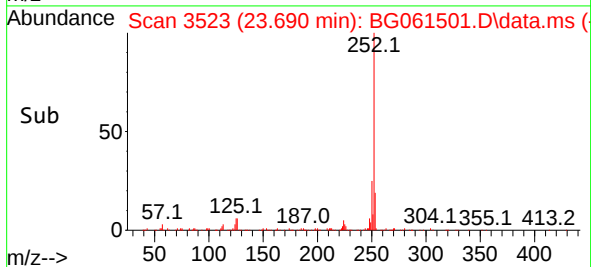
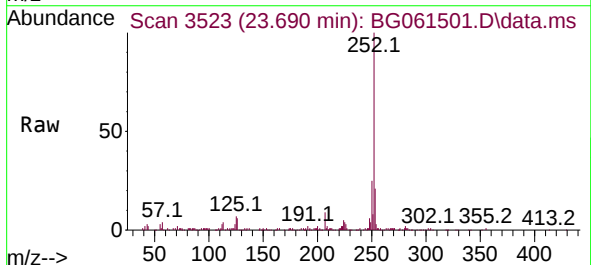
Manual Integrations
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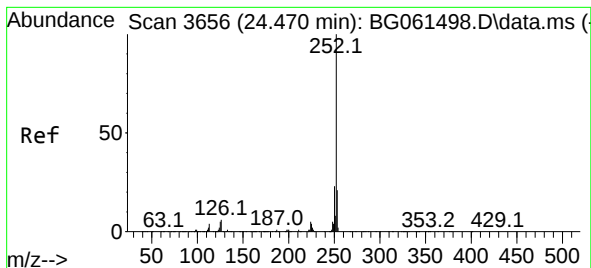
Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024



#91
Benzo(k)fluoranthene
Concen: 7.495 ng/ul m
RT: 23.690 min Scan# 3523
Delta R.T. 0.010 min
Lab File: BG061501.D
Acq: 6 Jun 2024 1:30

Tgt Ion:252 Resp: 109267
Ion Ratio Lower Upper
252 100
253 21.3 16.0 24.0
125 6.6 4.3 6.5#





#93

Benzo(a)pyrene

Concen: 8.149 ng/ul

RT: 24.466 min Scan# 3

Delta R.T. 0.016 min

Lab File: BG061501.D

Acq: 6 Jun 2024 1:30

Instrument :

BNA_G

ClientSampleId :

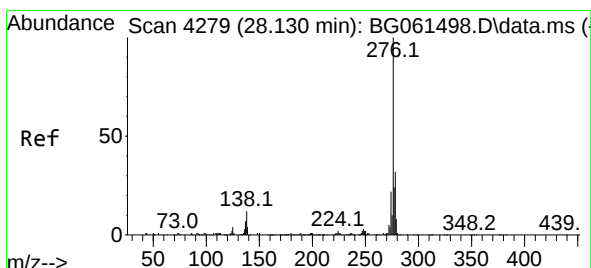
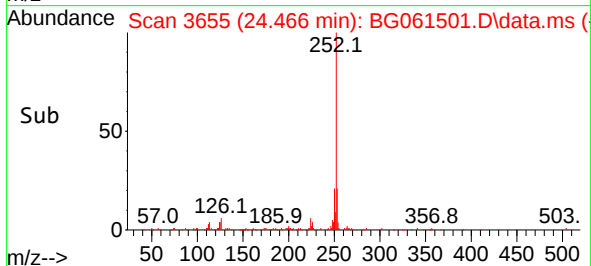
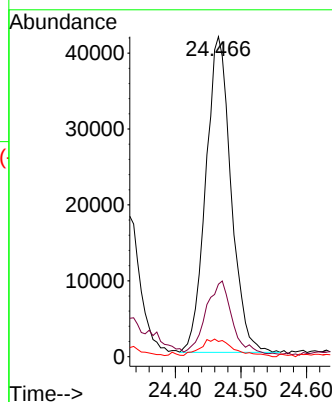
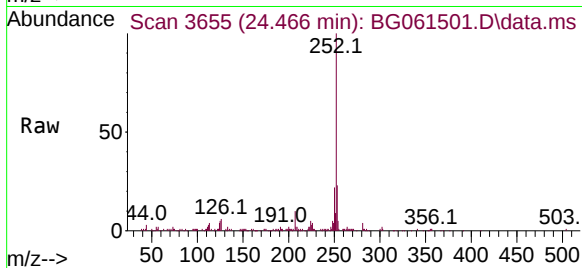
BHBR2DL

Tgt Ion:	252	Resp:	111130
Ion Ratio	Lower	Upper	
252	100		
253	22.7	16.4	24.6
125	4.8	4.3	6.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 4.643 ng/ul m

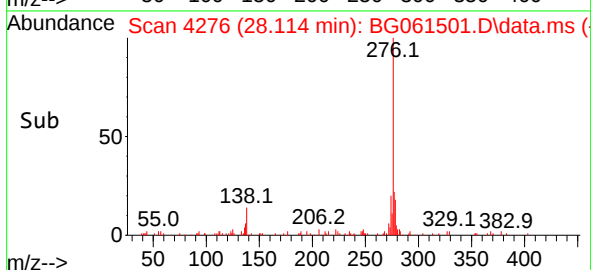
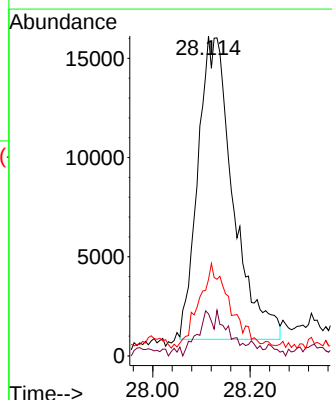
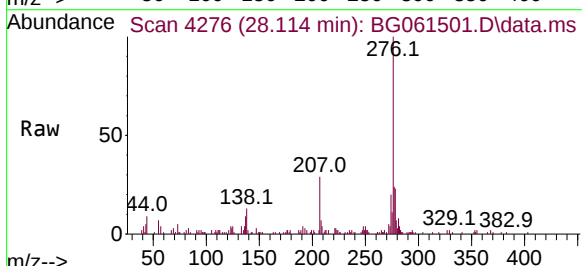
RT: 28.114 min Scan# 4276

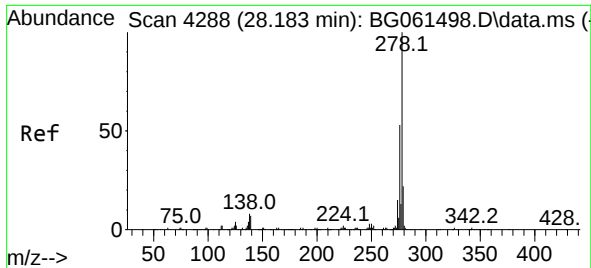
Delta R.T. 0.022 min

Lab File: BG061501.D

Acq: 6 Jun 2024 1:30

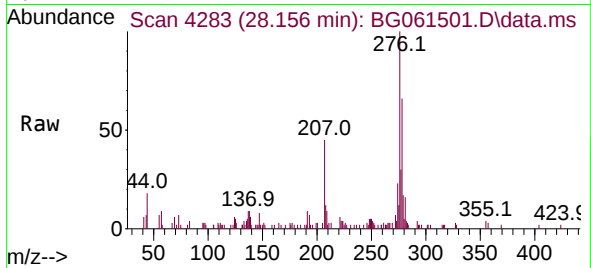
Tgt Ion:	276	Resp:	76573
Ion Ratio	Lower	Upper	
276	100		
138	13.2	8.6	13.0#
277	23.9	19.7	29.5





#95
Dibenzo(a,h)anthracene
Concen: 2.094 ng/ul m
RT: 28.156 min Scan# 4283
Delta R.T. 0.016 min
Lab File: BG061501.D
Acq: 6 Jun 2024 1:30

Instrument :
BNA_G
ClientSampleId :
BHBR2DL



Tgt Ion:278 Resp: 2847
Ion Ratio Lower Upper
278 100
139 9.3 6.4 9.6
279 26.3 19.9 29.9

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