

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060324\
 Data File : BG061442.D
 Acq On : 4 Jun 2024 4:27
 Operator : MA/JU
 Sample : P2577-08
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BHBNG

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/04/2024
 Supervised By :mohammad ahmed 06/05/2024

Quant Time: Jun 04 05:08:35 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	7.876	152	42712	20.000	ng/ul	0.00
20) Naphthalene-d8	10.667	136	163540	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.510	164	119004	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.265	188	267713	20.000	ng/ul	0.00
79) Chrysene-d12	21.525	240	280414	20.000	ng/ul	0.01
88) Perylene-d12	24.621	264	319917	20.000	ng/ul	# 0.02

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.341	96	3364m	4.408	ng/uL	0.00
4) Pyridine-d5	3.752	84	29359	10.813	ng/ul	0.01
7) Phenol-d5	7.066	99	78248	22.309	ng/ul	0.01
9) Bis-(2-Chloroethyl)eth...	7.207	67	50347	22.837	ng/ul	0.00
11) 2-Chlorophenol-d4	7.412	132	62681	24.147	ng/ul	0.00
15) 4-Methylphenol-d8	8.599	113	60922	20.370	ng/ul	0.00
21) Nitrobenzene-d5	9.034	128	33270	26.423	ng/ul	0.00
24) 2-Nitrophenol-d4	9.757	143	39340	26.696	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.309	165	76274	26.550	ng/ul	0.00
31) 4-Chloroaniline-d4	10.808	131	29800	7.929	ng/ul	0.00
46) Dimethylphthalate-d6	13.916	166	242103	26.231	ng/ul	0.00
49) Acenaphthylene-d8	14.204	160	264117	27.525	ng/ul	0.00
54) 4-Nitrophenol-d4	14.757	143	25784	22.596	ng/ul	0.02
60) Fluorene-d10	15.509	176	212089	26.616	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.650	200	26202	16.182	ng/ul	0.01
73) Anthracene-d10	17.359	188	346574	29.364	ng/ul	0.00
81) Pyrene-d10	19.657	212	416934	28.958	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.416	264	446971	29.061	ng/ul	0.03

Target Compounds				Qvalue		
30) Naphthalene	10.720	128	31030	3.595	ng/ul	98
36) 2-Methylnaphthalene	12.330	142	15654	2.501	ng/ul	94
37) 1-Methylnaphthalene	12.547	142	10703	1.666	ng/ul	88
52) Acenaphthene	14.574	153	15584	2.233	ng/ul	87
56) Dibenzofuran	14.909	168	36239	3.631	ng/ul	94
61) Fluorene	15.562	166	24445	2.831	ng/ul#	98
72) Phenanthrene	17.307	178	678887	52.248	ng/ul	99
74) Anthracene	17.395	178	107127	7.974	ng/ul	97
77) Carbazole	17.671	167	57487	5.261	ng/ul	99
80) Fluoranthene	19.328	202	1600285	92.650	ng/ul	100
82) Pyrene	19.692	202	1447462	80.734	ng/ul	99
85) Benzo(a)anthracene	21.508	228	909096	46.985	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.408	149	15805	1.734	ng/ul#	94
87) Chrysene	21.572	228	987291	55.416	ng/ul	96
90) Benzo(b)fluoranthene	23.658	252	1412981	74.181	ng/ul	99
91) Benzo(k)fluoranthene	23.705	252	428910m	22.181	ng/ul	
93) Benzo(a)pyrene	24.486	252	851421	47.073	ng/ul	95
94) Indeno(1,2,3-cd)pyrene	28.147	276	579142m	26.478	ng/ul	
95) Dibenzo(a,h)anthracene	28.159	278	147465m	8.176	ng/ul	
96) Benzo(g,h,i)perylene	29.240	276	452718m	26.017	ng/ul	

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

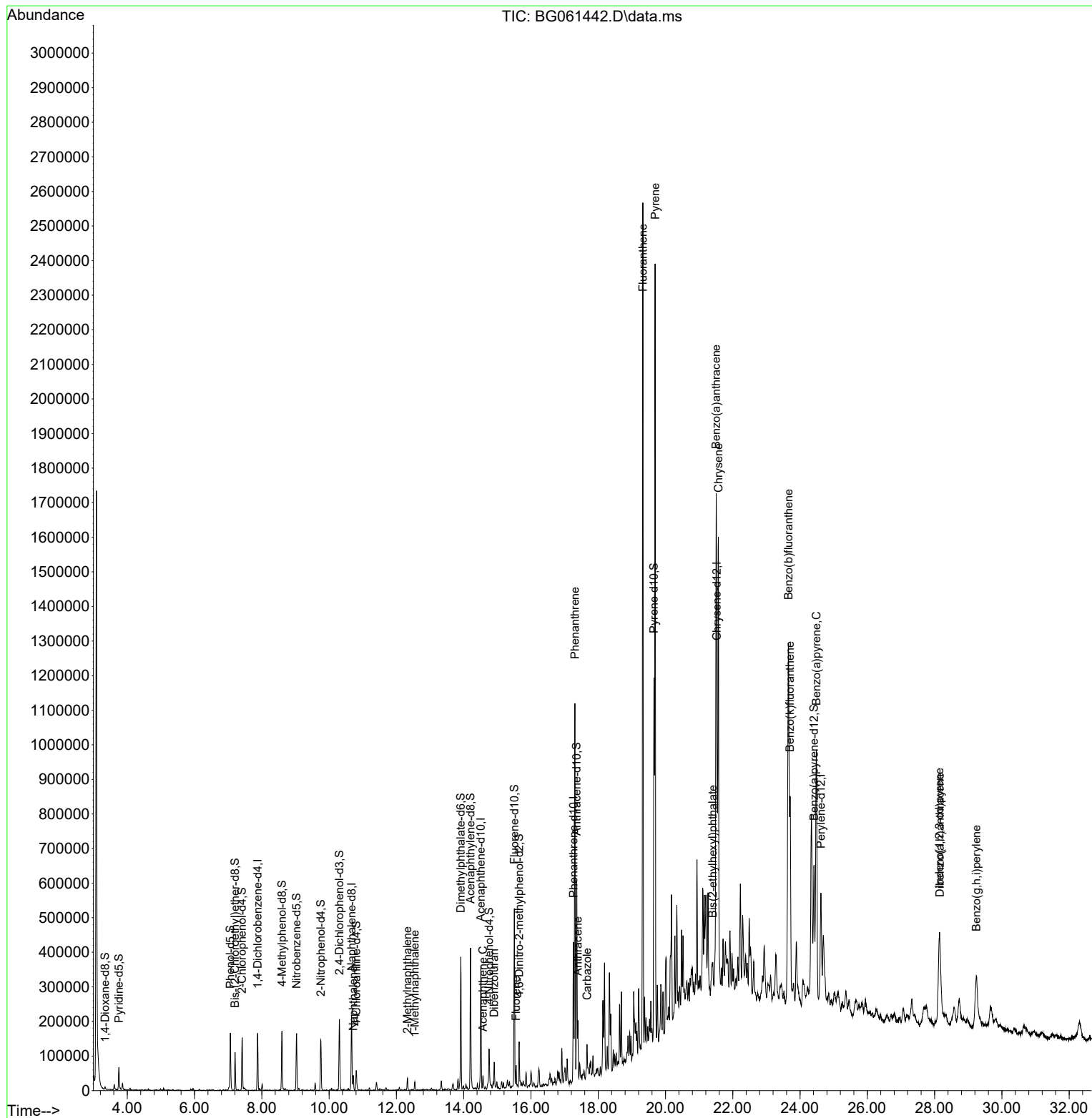
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060324\
Data File : BG061442.D
Acq On : 4 Jun 2024 4:27
Operator : MA/JU
Sample : P2577-08
Misc :
ALS Vial : 26 Sample Multiplier: 1

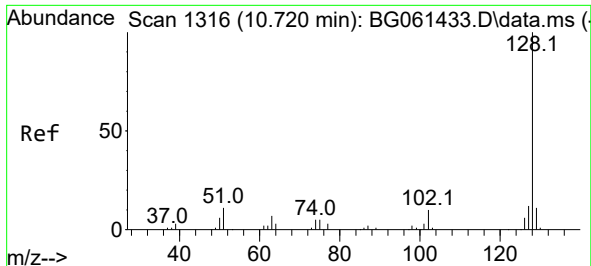
Instrument :
BNA_G
ClientSampleId :
BHBN6

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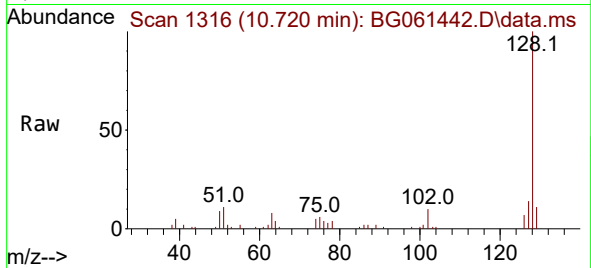
Quant Time: Jun 04 05:08:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu May 30 22:54:48 2024
Response via : Initial Calibration





#30
Naphthalene
Concen: 3.595 ng/ul
RT: 10.720 min Scan# 1316
Delta R.T. 0.001 min
Lab File: BG061442.D
Acq: 4 Jun 2024 4:27

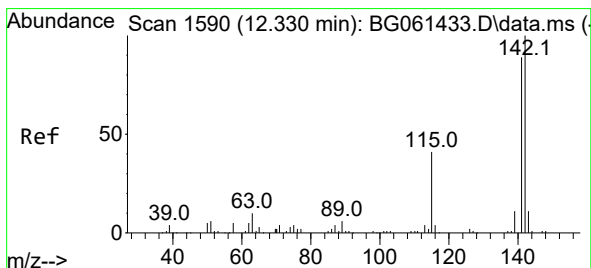
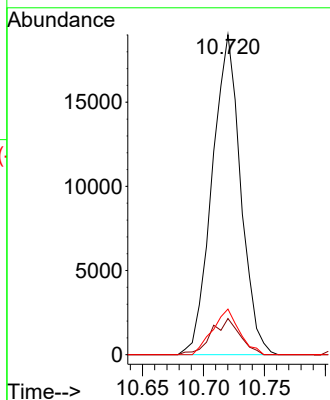
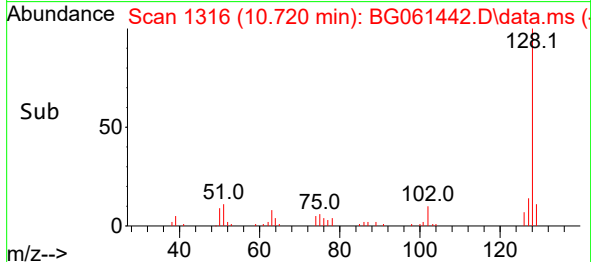
Instrument :
BNA_G
ClientSampleId :
BHBN6



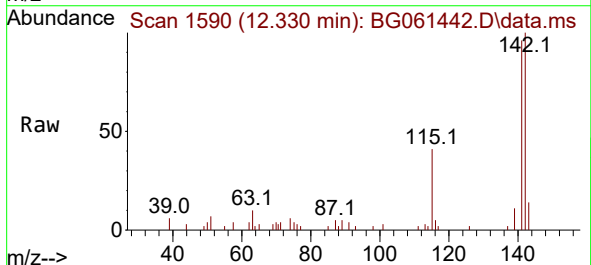
Tgt Ion:128 Resp: 31030
Ion Ratio Lower Upper
128 100
129 11.3 8.6 12.8
127 14.2 10.8 16.2

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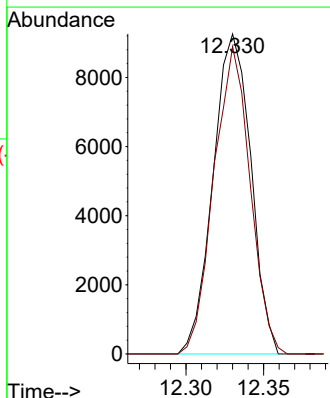
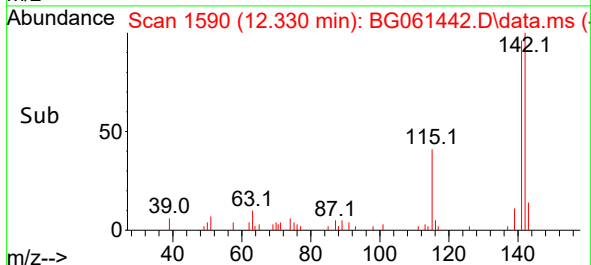
Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024

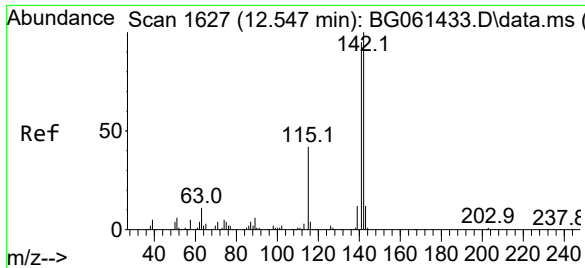


#36
2-Methylnaphthalene
Concen: 2.501 ng/ul
RT: 12.330 min Scan# 1590
Delta R.T. 0.001 min
Lab File: BG061442.D
Acq: 4 Jun 2024 4:27



Tgt Ion:142 Resp: 15654
Ion Ratio Lower Upper
142 100
141 96.0 72.2 108.2





#37

1-Methylnaphthalene

Concen: 1.666 ng/ul

RT: 12.547 min Scan# 1

Delta R.T. 0.001 min

Lab File: BG061442.D

Acq: 4 Jun 2024 4:27

Instrument :

BNA_G

ClientSampleId :

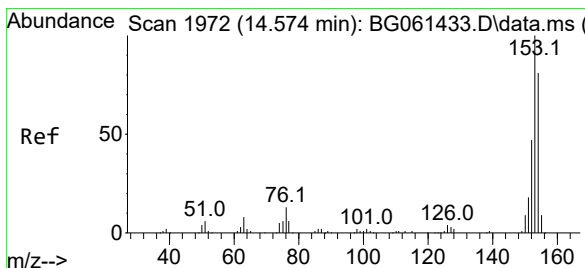
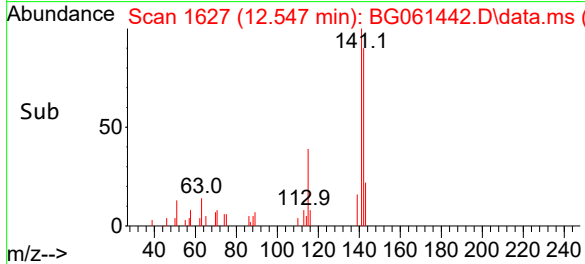
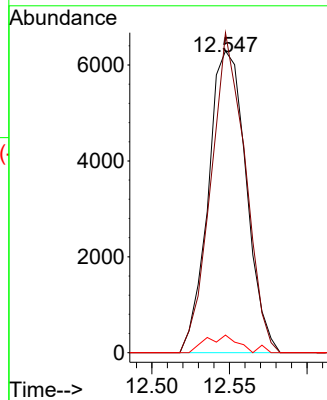
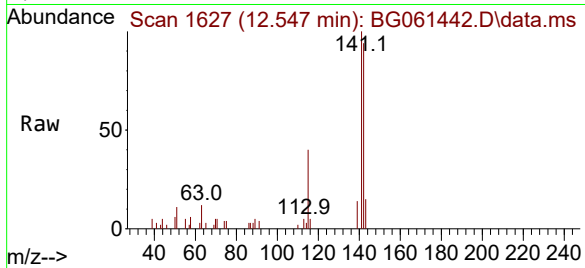
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Tgt Ion:142	Resp:	1070
Ion Ratio	Lower	Upper
142	100	
141	106.0	75.5 113.3
116	5.8	4.0 6.0

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#52

Acenaphthene

Concen: 2.233 ng/ul

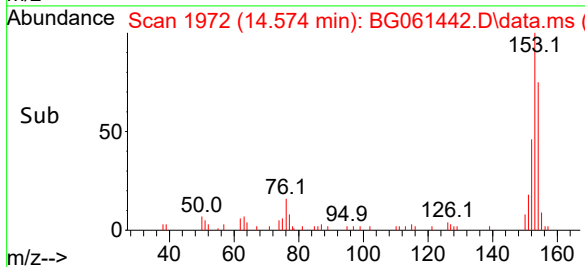
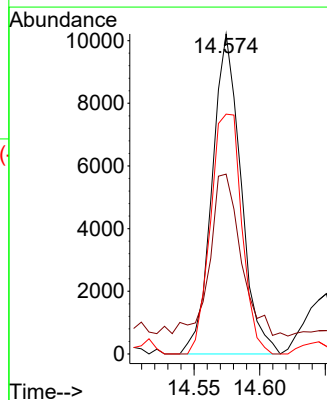
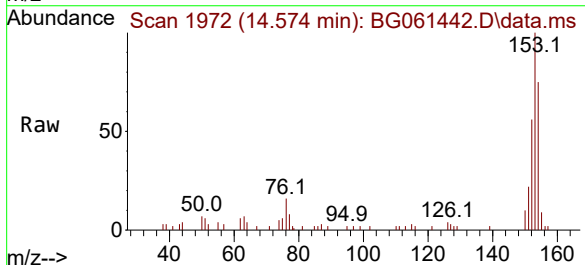
RT: 14.574 min Scan# 1972

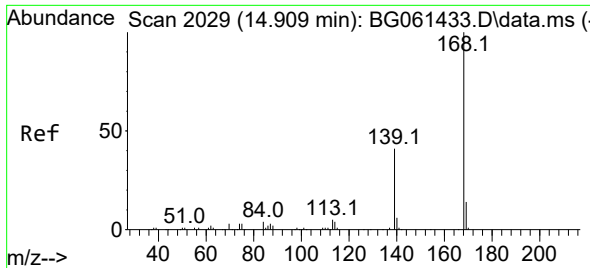
Delta R.T. 0.001 min

Lab File: BG061442.D

Acq: 4 Jun 2024 4:27

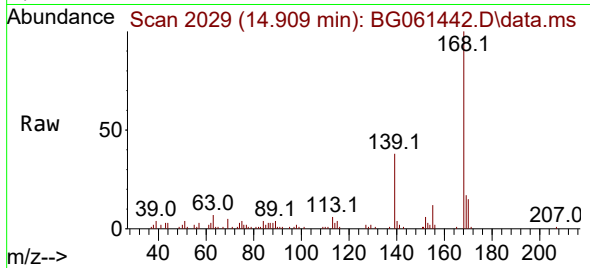
Tgt Ion:153	Resp:	15584
Ion Ratio	Lower	Upper
153	100	
152	56.2	37.8 56.8
154	74.9	69.0 103.6





#56
Dibenzenofuran
Concen: 3.631 ng/ul
RT: 14.909 min Scan# 2029
Delta R.T. 0.001 min
Lab File: BG061442.D
Acq: 4 Jun 2024 4:27

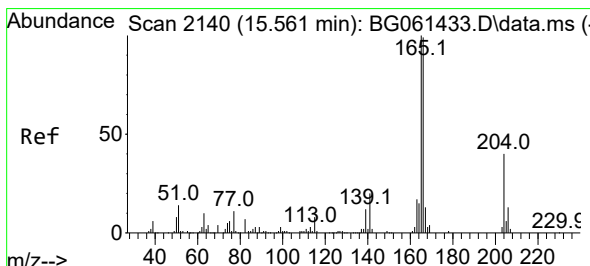
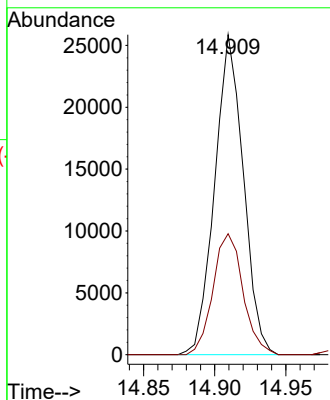
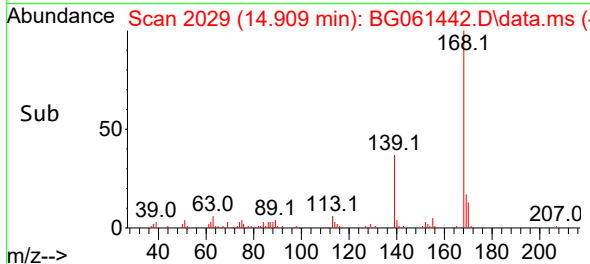
Instrument :
BNA_G
ClientSampleId :
BHBN6



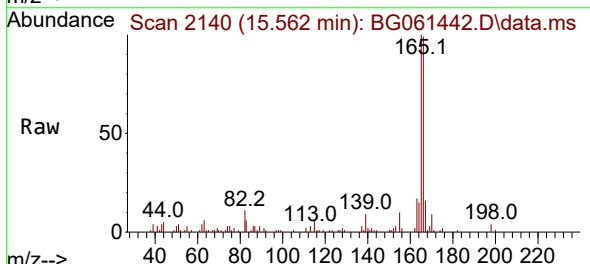
Tgt Ion:168 Resp: 36239
Ion Ratio Lower Upper
168 100
139 37.8 33.4 50.2

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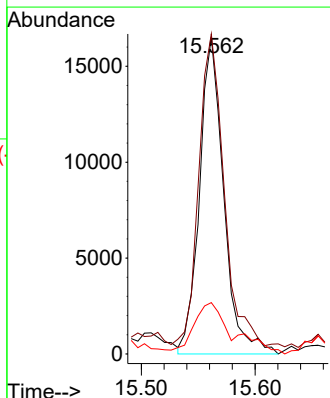
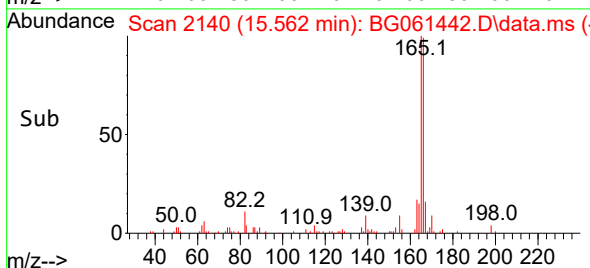
Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024

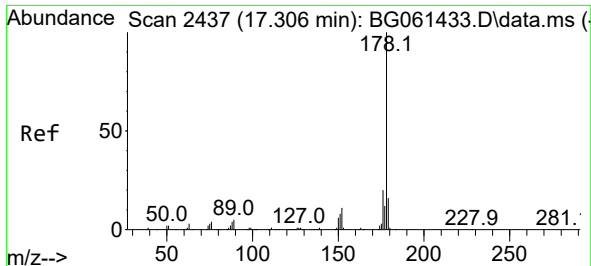


#61
Fluorene
Concen: 2.831 ng/ul
RT: 15.562 min Scan# 2140
Delta R.T. 0.001 min
Lab File: BG061442.D
Acq: 4 Jun 2024 4:27



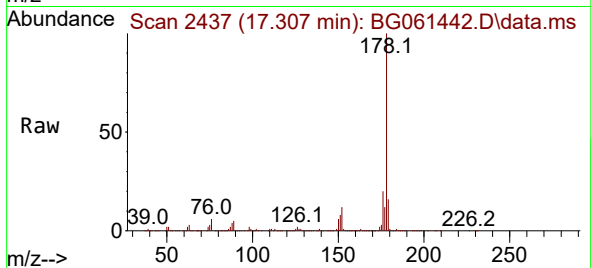
Tgt Ion:166 Resp: 24445
Ion Ratio Lower Upper
166 100
165 101.0 81.8 122.8
167 16.2 10.6 16.0#





#72
Phenanthrene
Concen: 52.248 ng/ul
RT: 17.307 min Scan# 2437
Delta R.T. 0.007 min
Lab File: BG061442.D
Acq: 4 Jun 2024 4:27

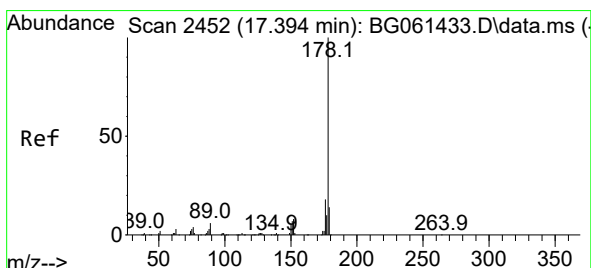
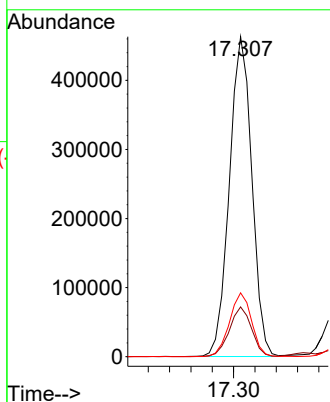
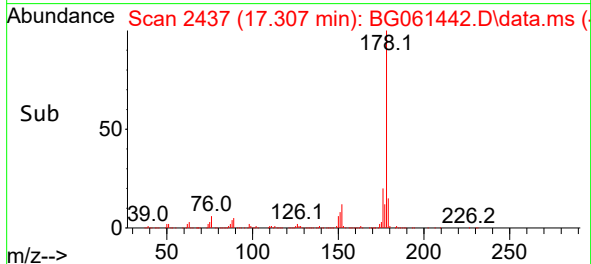
Instrument :
BNA_G
ClientSampleId :
BHBN6



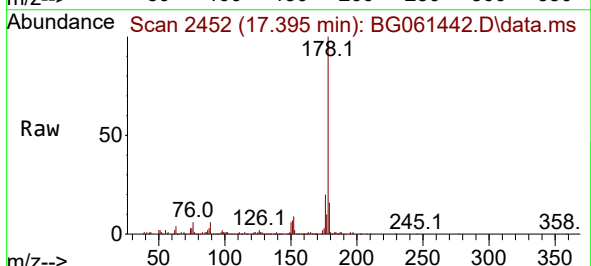
Tgt Ion:178 Resp: 67888
Ion Ratio Lower Upper
178 100
179 15.6 12.7 19.1
176 20.0 15.5 23.3

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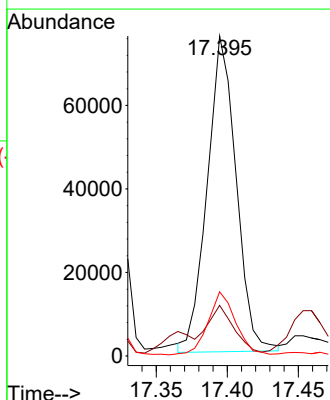
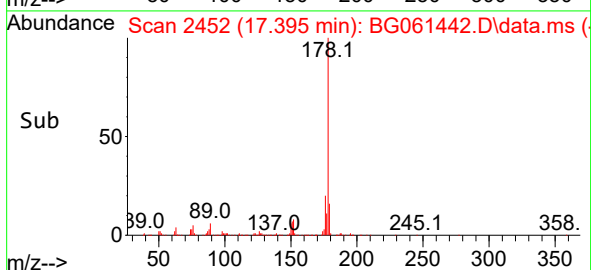
Reviewed By :Jagrut Upadhyay 06/04/2024
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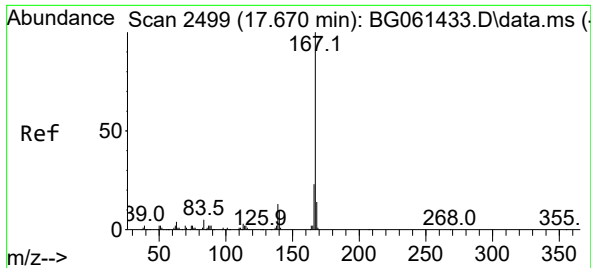


#74
Anthracene
Concen: 7.974 ng/ul
RT: 17.395 min Scan# 2452
Delta R.T. 0.001 min
Lab File: BG061442.D
Acq: 4 Jun 2024 4:27



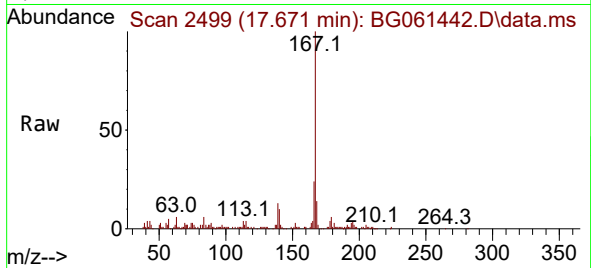
Tgt Ion:178 Resp: 107127
Ion Ratio Lower Upper
178 100
179 15.8 11.8 17.6
176 20.1 14.9 22.3





#77
 Carbazole
 Concen: 5.261 ng/ul
 RT: 17.671 min Scan# 2499
 Delta R.T. 0.007 min
 Lab File: BG061442.D
 Acq: 4 Jun 2024 4:27

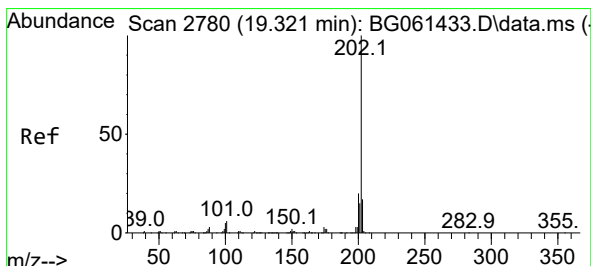
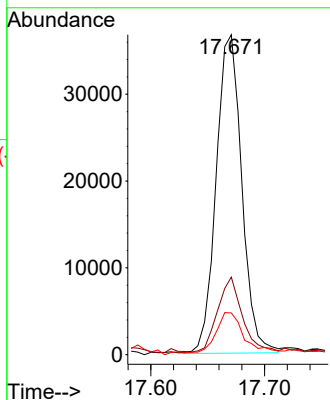
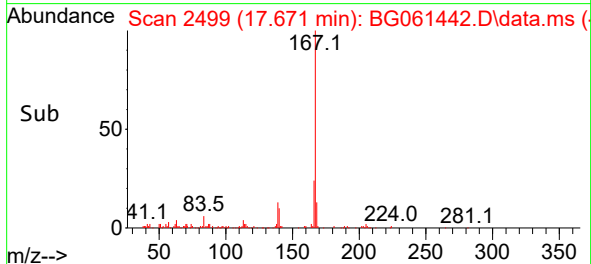
Instrument :
 BNA_G
 ClientSampleId :
 BHBN6



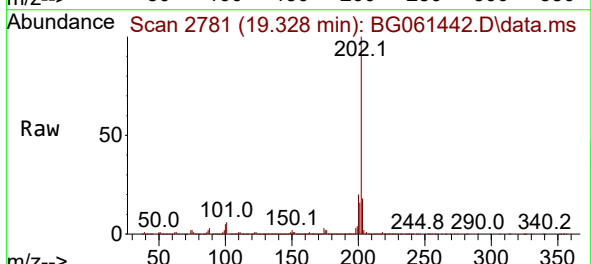
Tgt Ion:167 Resp: 5748
 Ion Ratio Lower Upper
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 166 24.3 18.6 28.0
 139 13.1 10.6 15.8

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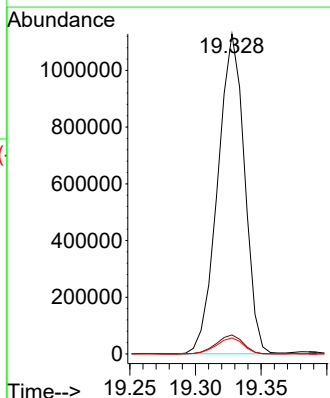
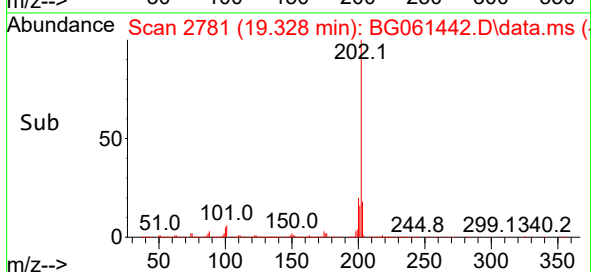
Reviewed By :Jagrut Upadhyay 06/04/2024
 Supervised By :mohammad ahmed 06/05/2024

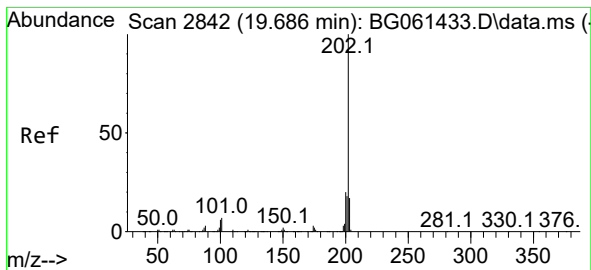


#80
 Fluoranthene
 Concen: 92.650 ng/ul
 RT: 19.328 min Scan# 2781
 Delta R.T. 0.013 min
 Lab File: BG061442.D
 Acq: 4 Jun 2024 4:27



Tgt Ion:202 Resp: 1600285
 Ion Ratio Lower Upper
 202 100
 101 5.9 4.8 7.2
 100 5.0 4.1 6.1





#82

Pyrene

Concen: 80.734 ng/ul

RT: 19.692 min Scan# 21

Delta R.T. 0.013 min

Lab File: BG061442.D

Acq: 4 Jun 2024 4:27

Instrument :

BNA_G

ClientSampleId :

BHBN6

Tgt Ion:202 Resp: 1447462

Ion Ratio Lower Upper

202 100

101 6.9 5.7 8.5

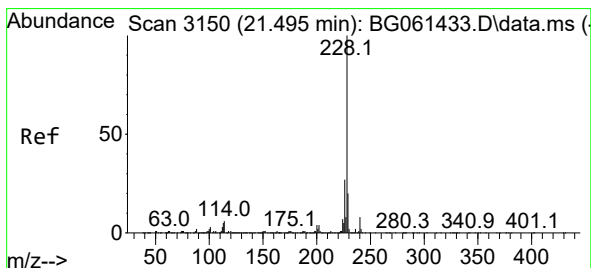
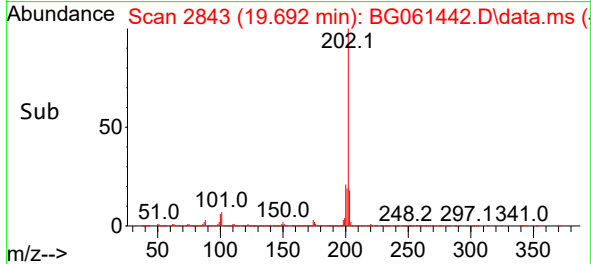
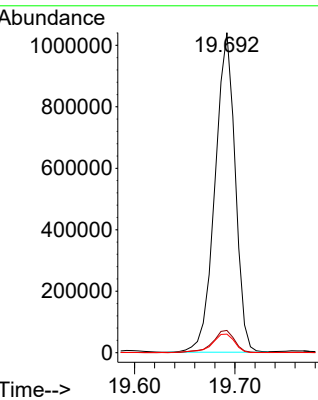
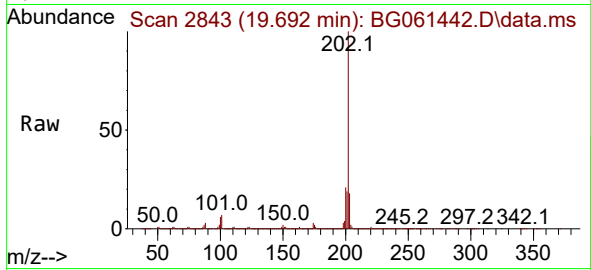
100 5.8 5.1 7.7

Manual Integrations

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Supervised By :mohammad ahmed 06/05/2024



#85

Benzo(a)anthracene

Concen: 46.985 ng/ul

RT: 21.508 min Scan# 3152

Delta R.T. 0.013 min

Lab File: BG061442.D

Acq: 4 Jun 2024 4:27

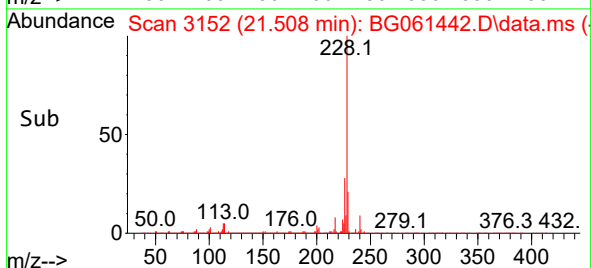
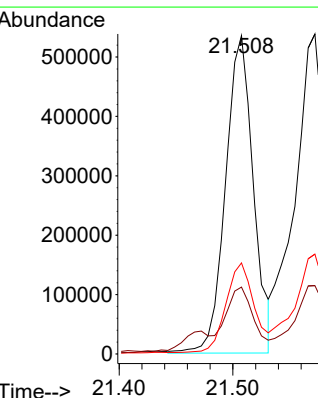
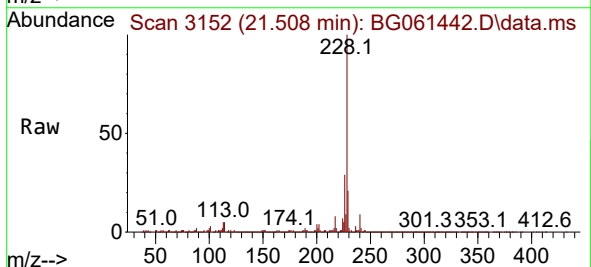
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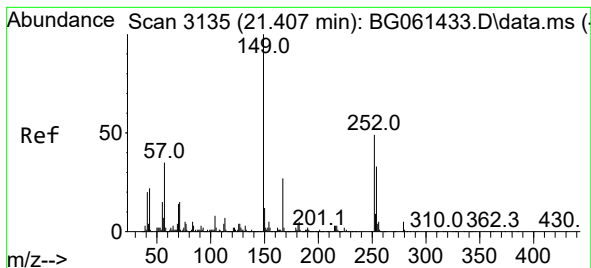
Ion Ratio Lower Upper

228 100

229 21.0 15.2 22.8

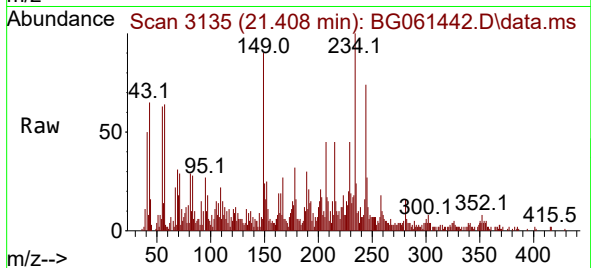
226 28.6 21.4 32.2





#86
Bis(2-ethylhexyl)phthalate
Concen: 1.734 ng/ul
RT: 21.408 min Scan# 3135
Delta R.T. 0.001 min
Lab File: BG061442.D
Acq: 4 Jun 2024 4:27

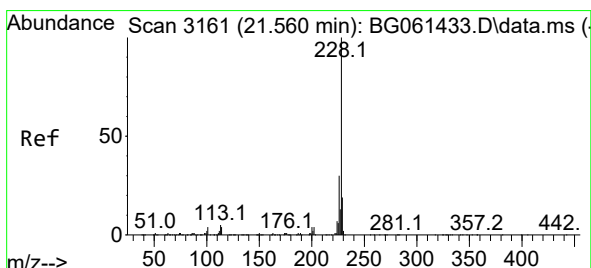
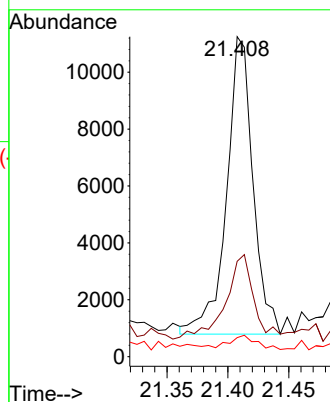
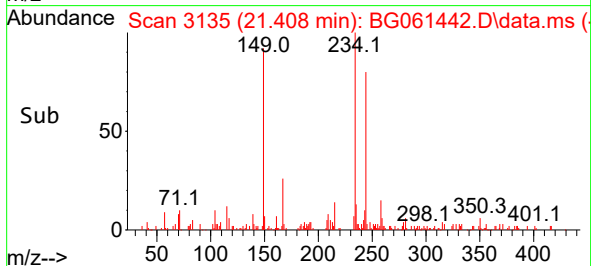
Instrument :
BNA_G
ClientSampleId :
BHBN6



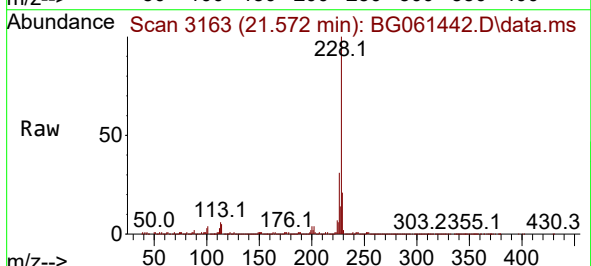
Tgt Ion:149 Resp: 1580
Ion Ratio Lower Upper
149 100
167 29.8 21.1 31.7
279 6.0 3.3 4.9

Manual Integrations
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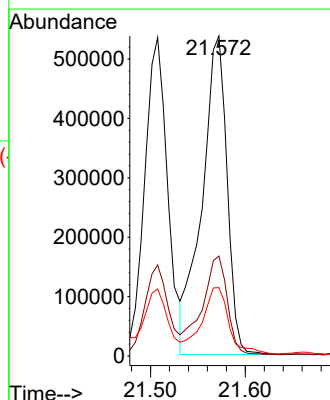
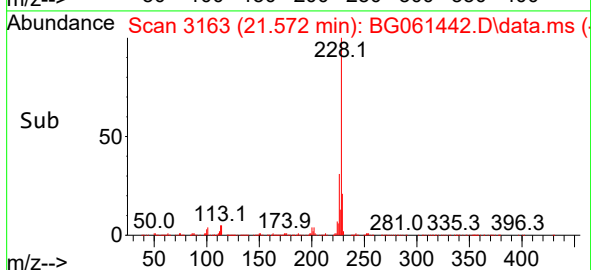
Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024

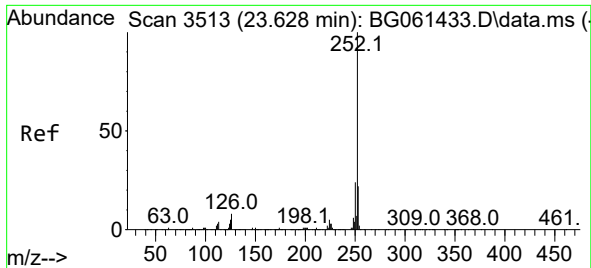


#87
Chrysene
Concen: 55.416 ng/ul
RT: 21.572 min Scan# 3163
Delta R.T. 0.019 min
Lab File: BG061442.D
Acq: 4 Jun 2024 4:27



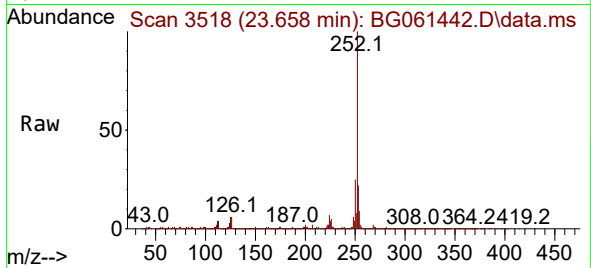
Tgt Ion:228 Resp: 987291
Ion Ratio Lower Upper
228 100
226 31.2 23.4 35.0
229 21.4 15.4 23.2





#90
Benzo(b)fluoranthene
Concen: 74.181 ng/ul
RT: 23.658 min Scan# 3513
Delta R.T. 0.042 min
Lab File: BG061442.D
Acq: 4 Jun 2024 4:27

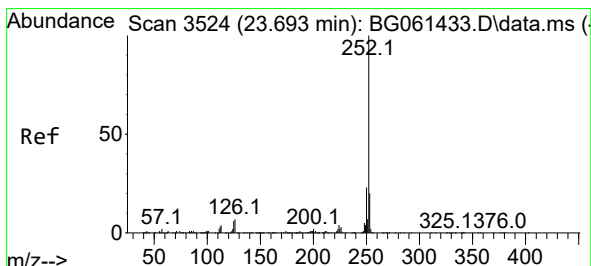
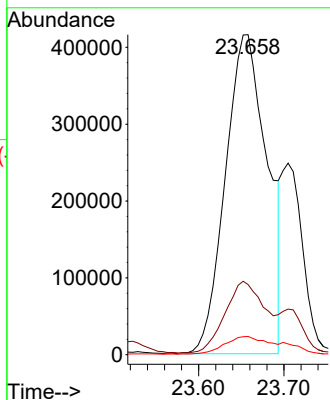
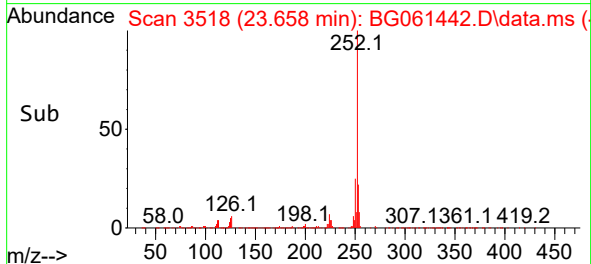
Instrument :
BNA_G
ClientSampleId :
BHBN6



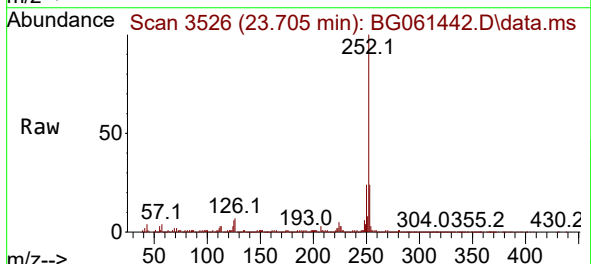
Tgt Ion:252 Resp: 141298
Ion Ratio Lower Upper
252 100
253 21.9 17.8 26.8
125 5.7 4.6 6.8

Manual Integrations
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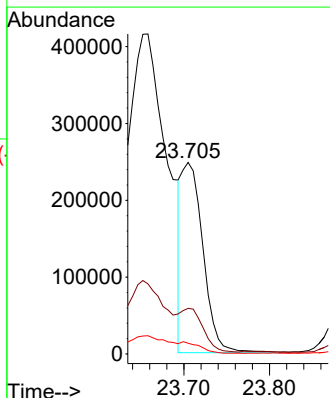
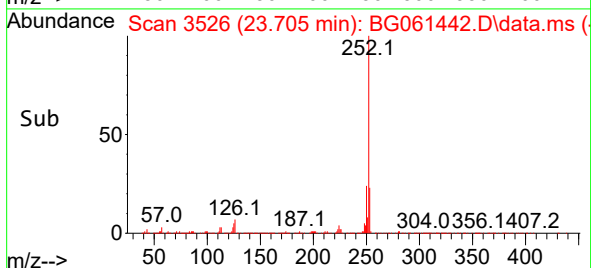
Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024

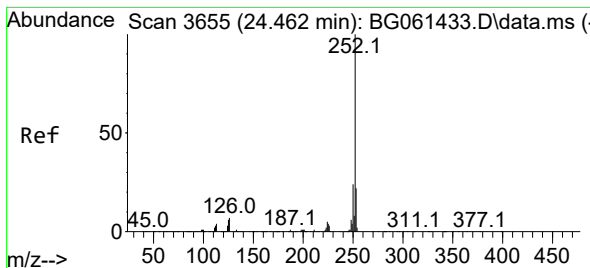


#91
Benzo(k)fluoranthene
Concen: 22.181 ng/ul m
RT: 23.705 min Scan# 3526
Delta R.T. 0.025 min
Lab File: BG061442.D
Acq: 4 Jun 2024 4:27



Tgt Ion:252 Resp: 428910
Ion Ratio Lower Upper
252 100
253 23.8 16.0 24.0
125 5.6 4.3 6.5





#93

Benzo(a)pyrene

Concen: 47.073 ng/ul

RT: 24.486 min Scan# 30

Delta R.T. 0.037 min

Lab File: BG061442.D

Acq: 4 Jun 2024 4:27

Instrument :

BNA_G

ClientSampleId :

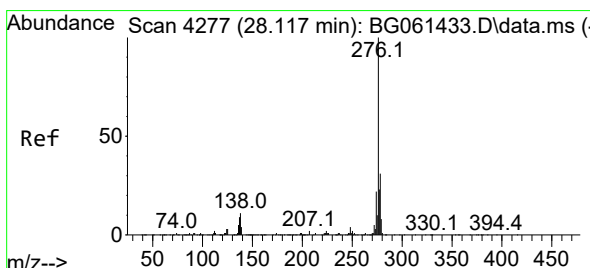
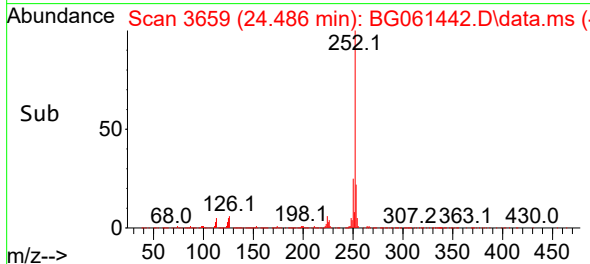
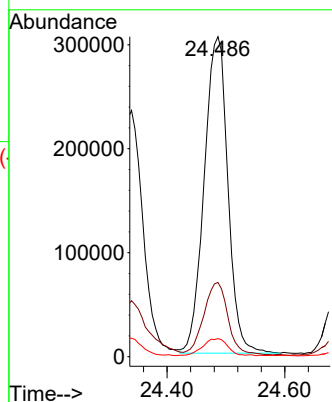
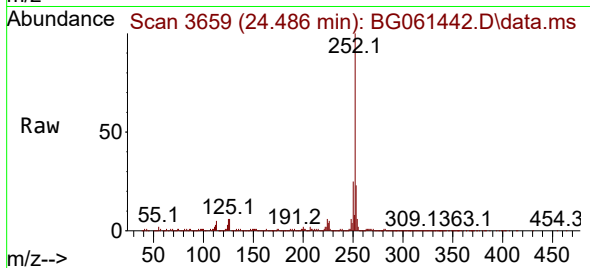
BHBN6

Tgt Ion:	252	Resp:	85142
Ion Ratio	Lower	Upper	
252	100		
253	23.2	16.4	24.6
125	5.7	4.3	6.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 26.478 ng/ul m

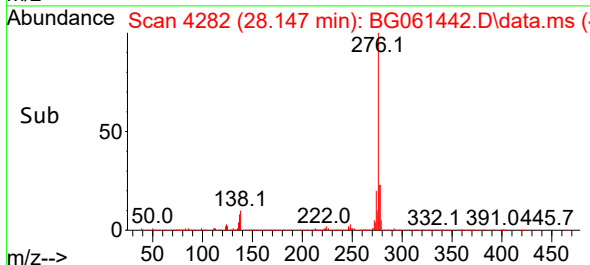
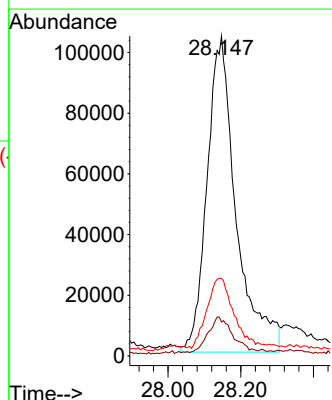
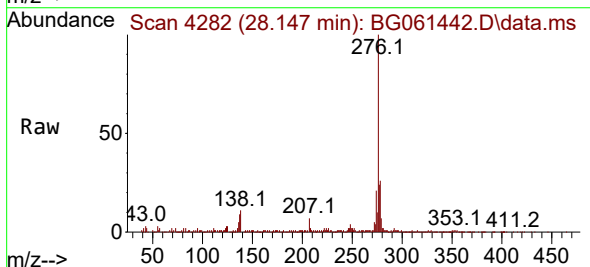
RT: 28.147 min Scan# 4282

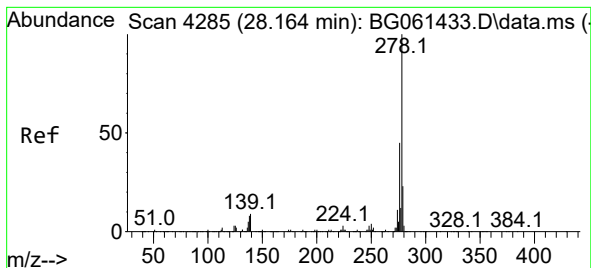
Delta R.T. 0.054 min

Lab File: BG061442.D

Acq: 4 Jun 2024 4:27

Tgt Ion:	276	Resp:	579142
Ion Ratio	Lower	Upper	
276	100		
138	10.6	8.6	13.0
277	24.3	19.7	29.5





#95

Dibenzo(a,h)anthracene

Concen: 8.176 ng/ul m

RT: 28.159 min Scan# 4285

Delta R.T. 0.019 min

Lab File: BG061442.D

Acq: 4 Jun 2024 4:27

Instrument :

BNA_G

ClientSampleId :

BHBN6

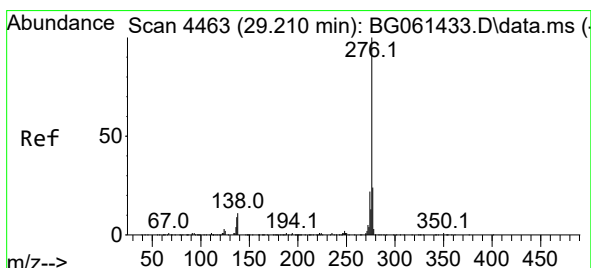
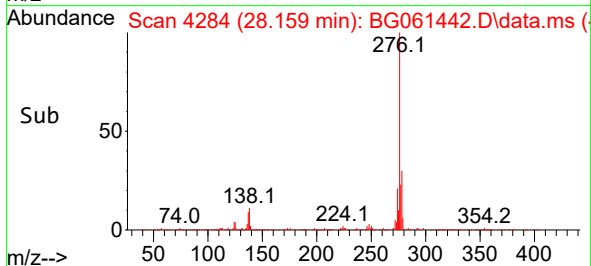
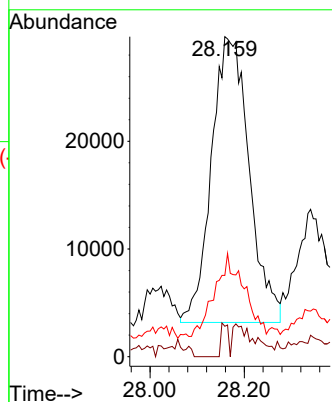
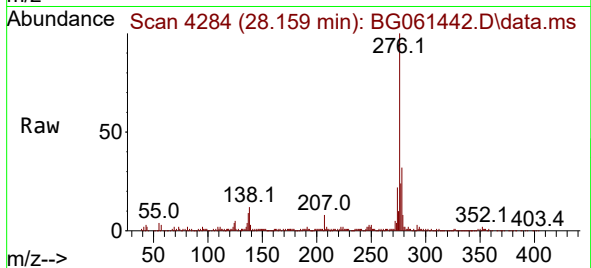
Tgt Ion:278 Resp: 14746

Ion	Ratio	Lower	Upper
278	100		
139	9.5	6.4	9.6
279	25.4	19.9	29.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024



#96

Benzo(g,h,i)perylene

Concen: 26.017 ng/ul m

RT: 29.240 min Scan# 4468

Delta R.T. 0.066 min

Lab File: BG061442.D

Acq: 4 Jun 2024 4:27

Tgt Ion:276 Resp: 452718

Ion	Ratio	Lower	Upper
276	100		
138	13.2	8.7	13.1#
277	24.2	18.2	27.2

