

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060324\
 Data File : BG061443.D
 Acq On : 4 Jun 2024 5:08
 Operator : MA/JU
 Sample : P2577-12
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BHBP0

Manual Integrations
 APPROVED

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

Quant Time: Jun 04 05:45:48 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	43671	20.000	ng/u1	0.00
20) Naphthalene-d8	10.670	136	162294	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.513	164	121184	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.262	188	278509	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.528	240	299479	20.000	ng/u1	0.02
88) Perylene-d12	24.630	264	334679	20.000	ng/u1	0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.343	96	4125	5.286	ng/uL	0.00
4) Pyridine-d5	3.749	84	39977	14.400	ng/u1	0.00
7) Phenol-d5	7.068	99	91733	25.579	ng/u1	0.02
9) Bis-(2-Chloroethyl)eth...	7.204	67	56906	25.245	ng/u1	0.00
11) 2-Chlorophenol-d4	7.415	132	75218	28.340	ng/u1	0.00
15) 4-Methylphenol-d8	8.596	113	68756	22.484	ng/u1	0.00
21) Nitrobenzene-d5	9.037	128	38592	30.885	ng/u1	0.00
24) 2-Nitrophenol-d4	9.753	143	43797	29.949	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.306	165	86486	30.335	ng/u1	0.00
31) 4-Chloroaniline-d4	10.805	131	23057	6.182	ng/u1	0.00
46) Dimethylphthalate-d6	13.919	166	263409	28.026	ng/u1	0.00
49) Acenaphthylene-d8	14.201	160	293734	30.061	ng/u1	0.00
54) 4-Nitrophenol-d4	14.759	143	28867	24.843	ng/u1	0.02
60) Fluorene-d10	15.506	176	235365	29.005	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.652	200	29829	17.708	ng/u1	0.02
73) Anthracene-d10	17.362	188	387314	31.544	ng/u1	0.00
81) Pyrene-d10	19.660	212	467410	30.397	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.424	264	510544	31.731	ng/u1	0.04
Target Compounds						
					Qvalue	
30) Naphthalene	10.723	128	17075	1.993	ng/u1#	93
36) 2-Methylnaphthalene	12.327	142	10340	1.664	ng/u1	93
37) 1-Methylnaphthalene	12.556	142	9057	1.421	ng/u1#	75
50) Acenaphthylene	14.236	152	14240m	1.314	ng/u1	
52) Acenaphthene	14.571	153	22247	3.130	ng/u1	95
56) Dibenzofuran	14.912	168	23463	2.309	ng/u1	96
61) Fluorene	15.564	166	25999	2.957	ng/u1	95
72) Phenanthrene	17.309	178	563076	41.655	ng/u1	98
74) Anthracene	17.397	178	107063	7.660	ng/u1	99
77) Carbazole	17.668	167	53242	4.683	ng/u1	99
78) Di-n-butylphthalate	18.226	149	18641	1.309	ng/u1#	94
80) Fluoranthene	19.330	202	1179146	63.922	ng/u1	99
82) Pyrene	19.689	202	1066525	55.700	ng/u1	99
85) Benzo(a)anthracene	21.504	228	723766	35.025	ng/u1	96
86) Bis(2-ethylhexyl)phtha...	21.410	149	14523	1.492	ng/u1#	79
87) Chrysene	21.569	228	706482	37.130	ng/u1	95
90) Benzo(b)fluoranthene	23.655	252	1029895	51.684	ng/u1	99
91) Benzo(k)fluoranthene	23.708	252	346950m	17.151	ng/u1	
93) Benzo(a)pyrene	24.495	252	678868	35.878	ng/u1	95
94) Indeno(1,2,3-cd)pyrene	28.155	276	434816m	19.002	ng/u1	
95) Dibenzo(a,h)anthracene	28.191	278	104413m	5.534	ng/u1	
96) Benzo(g,h,i)perylene	29.260	276	319844m	17.570	ng/u1	

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060324\
Data File : BG061443.D
Acq On : 4 Jun 2024 5:08
Operator : MA/JU
Sample : P2577-12
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BHBP0

Manual Integrations
APPROVED

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

Quant Time: Jun 04 05:45:48 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)

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

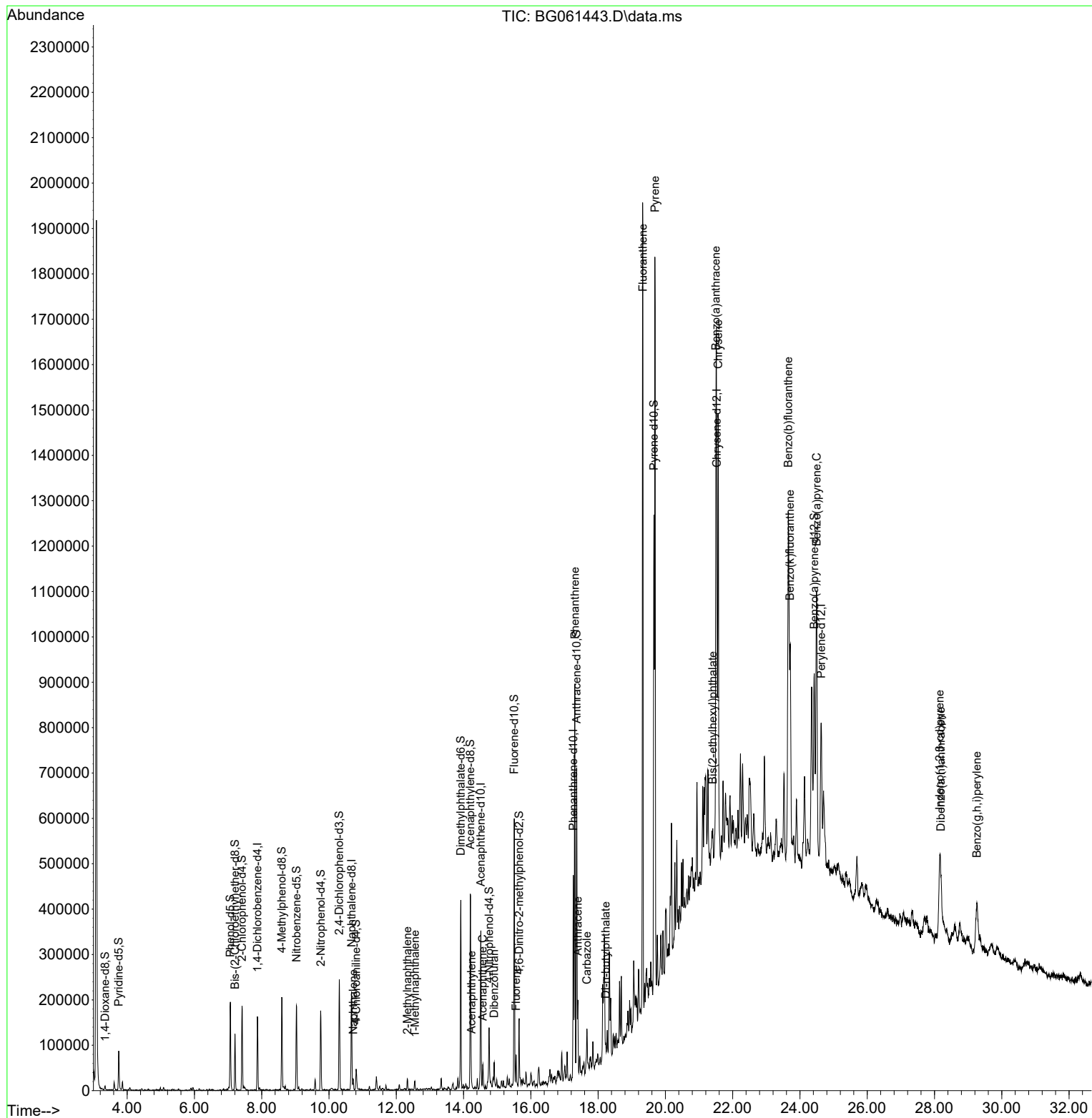
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060324\
 Data File : BG061443.D
 Acq On : 4 Jun 2024 5:08
 Operator : MA/JU
 Sample : P2577-12
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

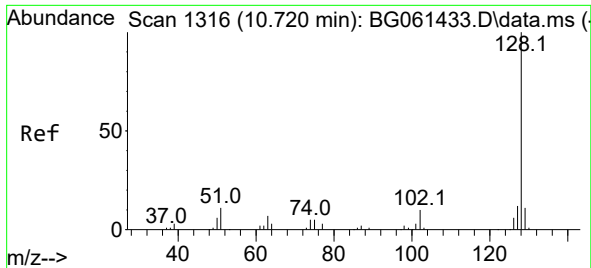
Instrument :
 BNA_G
 ClientSampleId :
 BHBP0

Quant Time: Jun 04 05:45:48 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

Manual Integrations APPROVED

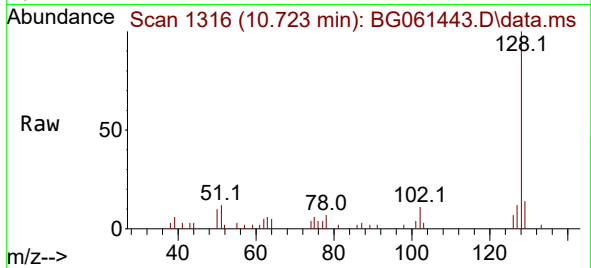
Reviewed By :Jagrut Upadhyay 06/04/2024
 Supervised By :mohammad ahmed 06/05/2024





#30
Naphthalene
Concen: 1.993 ng/ul
RT: 10.723 min Scan# 11
Delta R.T. 0.004 min
Lab File: BG061443.D
Acq: 4 Jun 2024 5:08

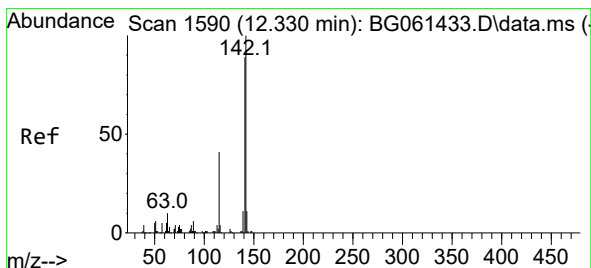
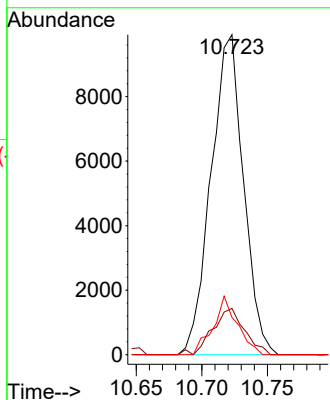
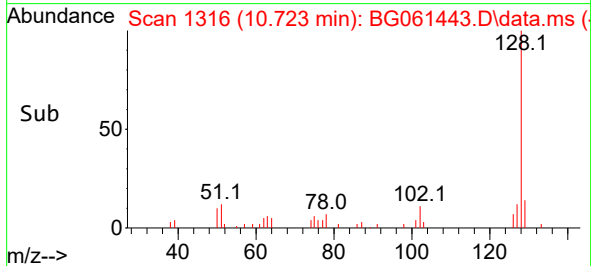
Instrument :
BNA_G
ClientSampleId :
BHBP0



Tgt Ion:128 Resp: 17075
Ion Ratio Lower Upper
128 100
129 14.5 8.6 12.8
127 11.7 10.8 16.2

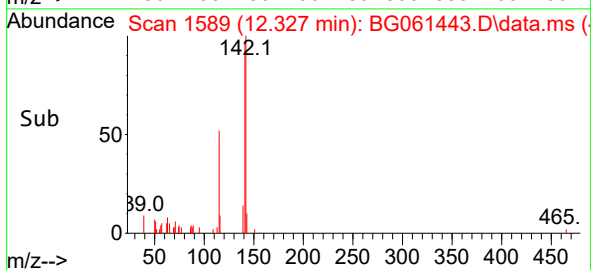
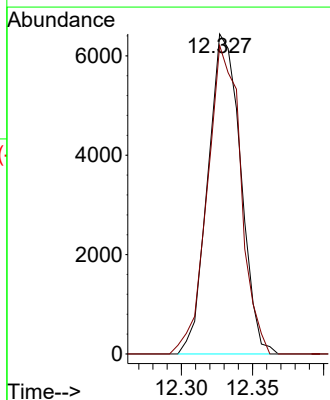
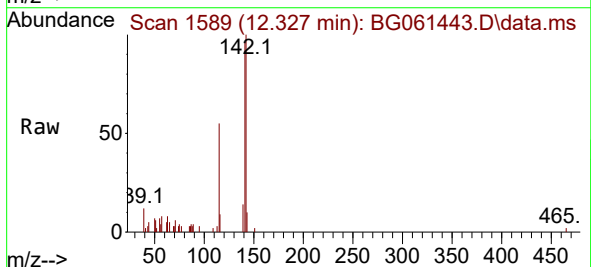
Manual Integrations
APPROVED

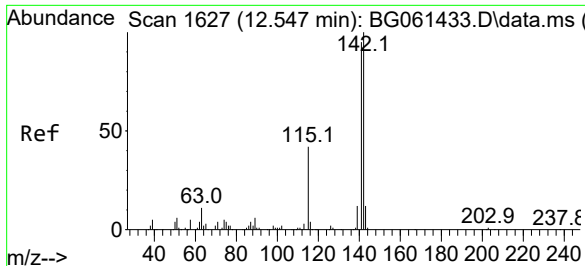
Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024



#36
2-Methylnaphthalene
Concen: 1.664 ng/ul
RT: 12.327 min Scan# 1589
Delta R.T. -0.002 min
Lab File: BG061443.D
Acq: 4 Jun 2024 5:08

Tgt Ion:142 Resp: 10340
Ion Ratio Lower Upper
142 100
141 96.4 72.2 108.2





#37

1-Methylnaphthalene

Concen: 1.421 ng/ul

RT: 12.556 min Scan# 1

Delta R.T. 0.010 min

Lab File: BG061443.D

Acq: 4 Jun 2024 5:08

Instrument :

BNA_G

ClientSampleId :

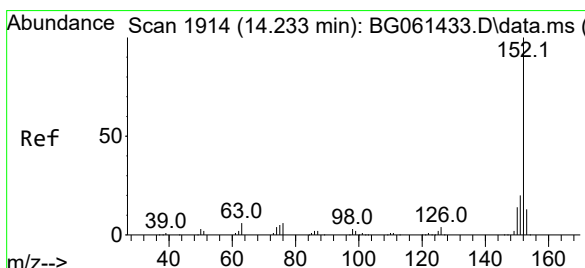
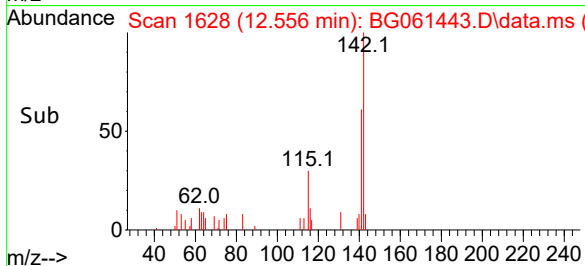
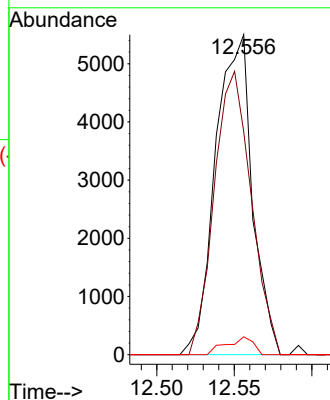
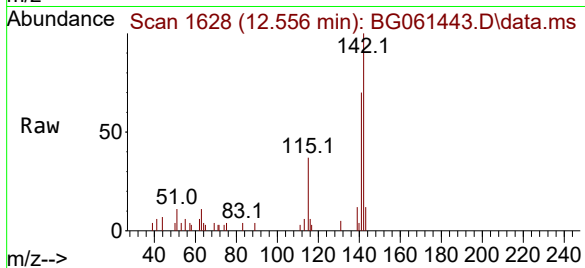
BHBP0

Tgt Ion:	142	Resp:	905
Ion Ratio	Lower	Upper	
142	100		
141	69.7	75.5	113.3
116	8.3	4.0	6.0

Manual Integrations

APPROVED

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



#50

Acenaphthylene

Concen: 1.314 ng/ul m

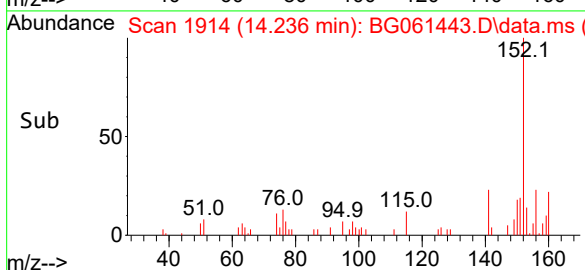
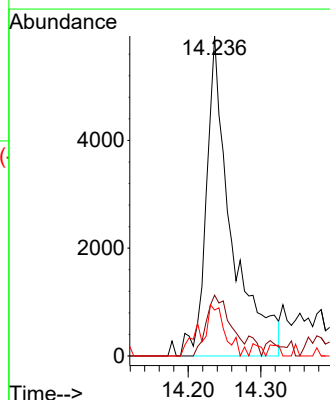
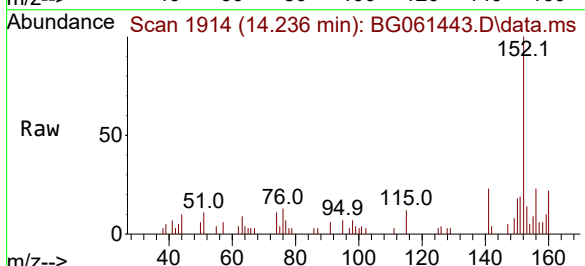
RT: 14.236 min Scan# 1914

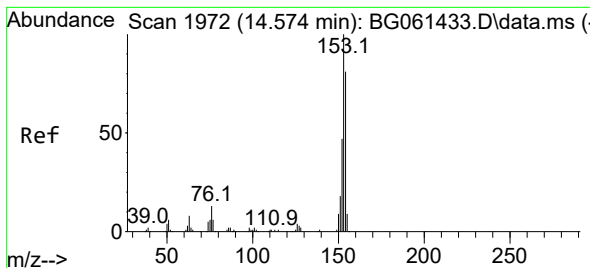
Delta R.T. 0.004 min

Lab File: BG061443.D

Acq: 4 Jun 2024 5:08

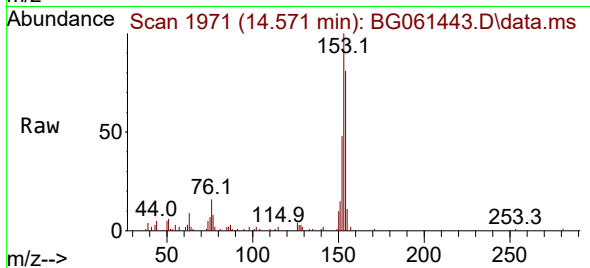
Tgt Ion:	152	Resp:	14240
Ion Ratio	Lower	Upper	
152	100		
151	19.0	16.2	24.2
153	14.3	10.2	15.4





#52
Acenaphthene
Concen: 3.130 ng/ul
RT: 14.571 min Scan# 1972
Delta R.T. -0.002 min
Lab File: BG061443.D
Acq: 4 Jun 2024 5:08

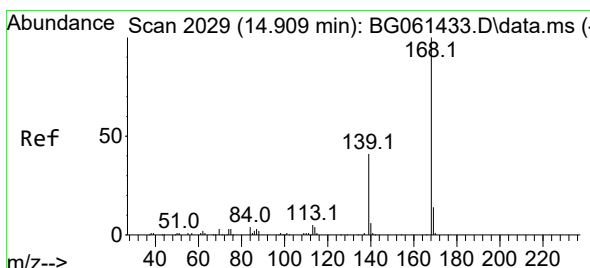
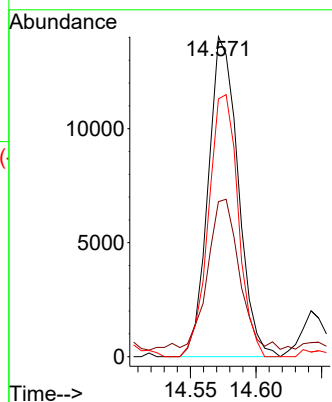
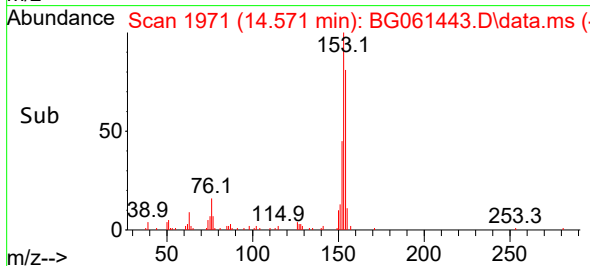
Instrument : BNA_G
ClientSampleId : BHBP0



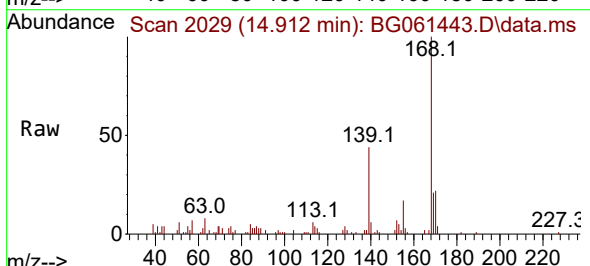
Tgt Ion:153 Resp: 2224
Ion Ratio Lower Upper
153 100
152 48.5 37.8 56.8
154 80.6 69.0 103.6

Manual Integrations
APPROVED

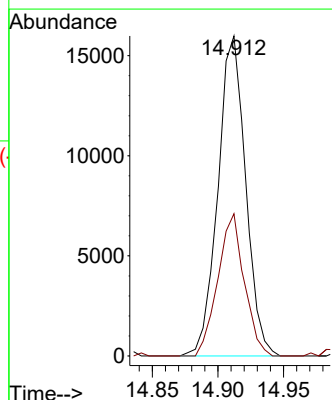
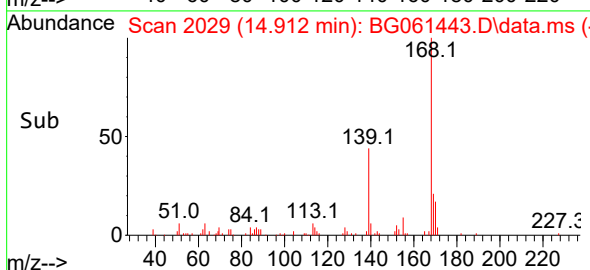
Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024

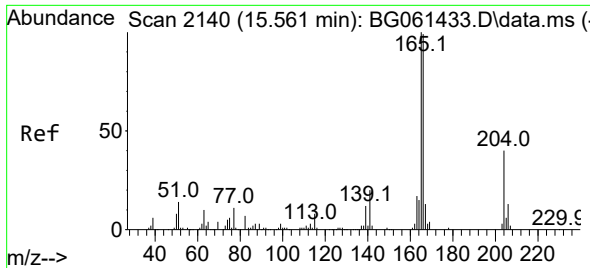


#56
Dibenzofuran
Concen: 2.309 ng/ul
RT: 14.912 min Scan# 2029
Delta R.T. 0.004 min
Lab File: BG061443.D
Acq: 4 Jun 2024 5:08



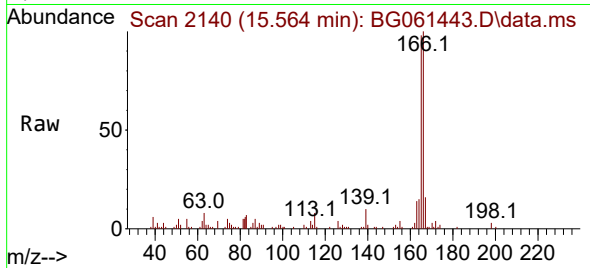
Tgt Ion:168 Resp: 23463
Ion Ratio Lower Upper
168 100
139 44.4 33.4 50.2





#61
Fluorene
Concen: 2.957 ng/ul
RT: 15.564 min Scan# 2140
Delta R.T. 0.004 min
Lab File: BG061443.D
Acq: 4 Jun 2024 5:08

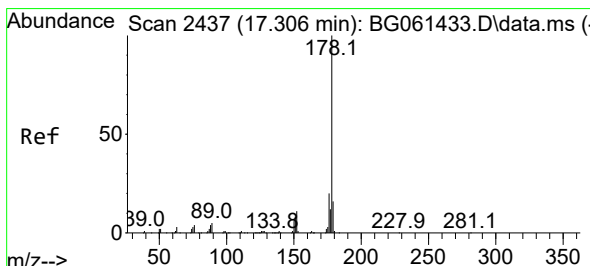
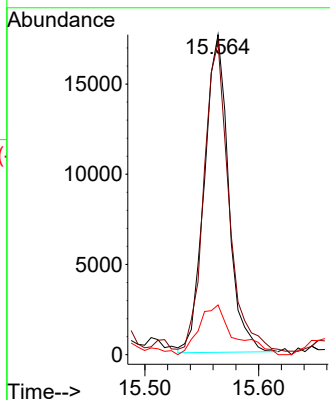
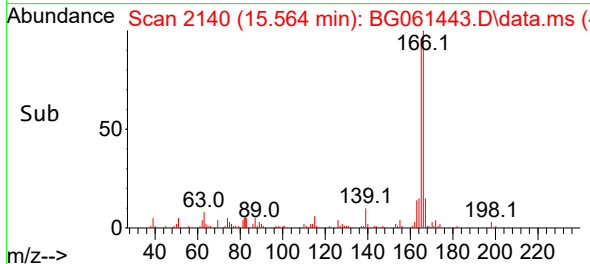
Instrument :
BNA_G
ClientSampleId :
BHBPO



Tgt Ion:166 Resp: 2599
Ion Ratio Lower Upper
166 100
165 97.6 81.8 122.8
167 15.6 10.6 16.0

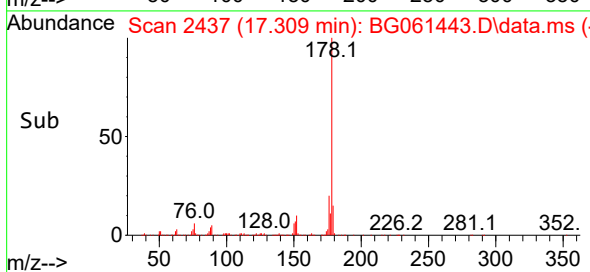
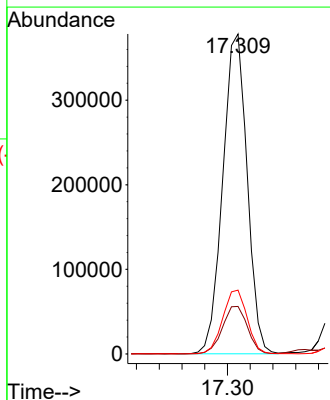
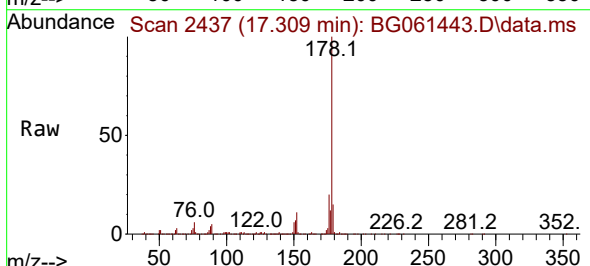
Manual Integrations
APPROVED

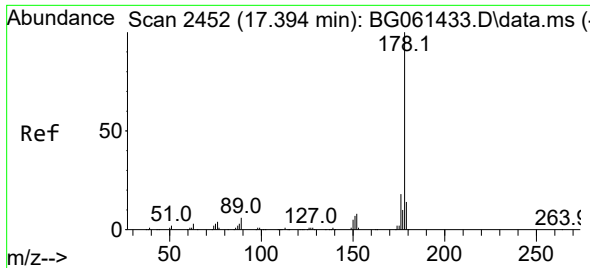
Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024



#72
Phenanthrene
Concen: 41.655 ng/ul
RT: 17.309 min Scan# 2437
Delta R.T. 0.010 min
Lab File: BG061443.D
Acq: 4 Jun 2024 5:08

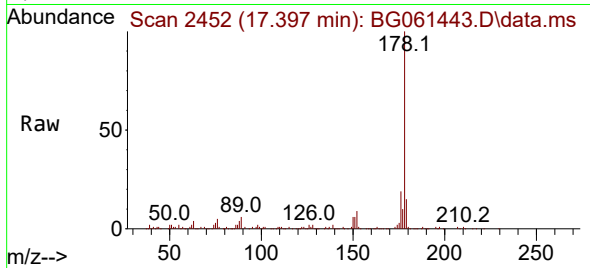
Tgt Ion:178 Resp: 563076
Ion Ratio Lower Upper
178 100
179 14.9 12.7 19.1
176 20.0 15.5 23.3





#74
 Anthracene
 Concen: 7.660 ng/uI
 RT: 17.397 min Scan# 2452
 Delta R.T. 0.004 min
 Lab File: BG061443.D
 Acq: 4 Jun 2024 5:08

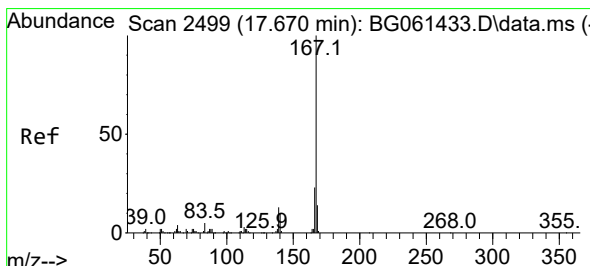
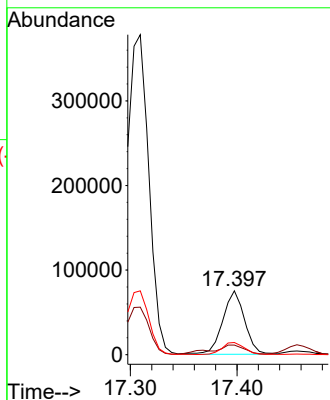
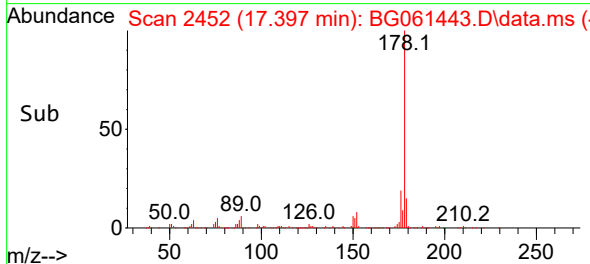
Instrument :
 BNA_G
 ClientSampleId :
 BHBP0



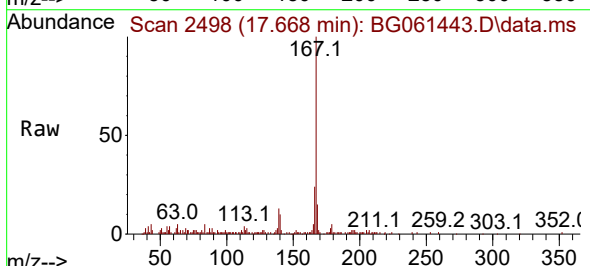
Tgt Ion:178 Resp: 107063
 Ion Ratio Lower Upper
 178 100
 179 15.0 11.8 17.6
 176 19.0 14.9 22.3

Manual Integrations
 APPROVED

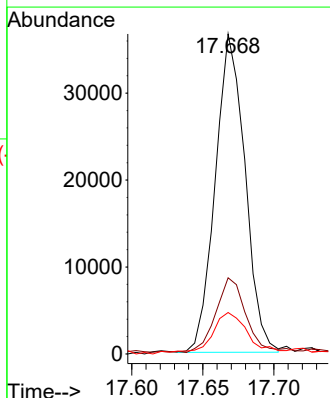
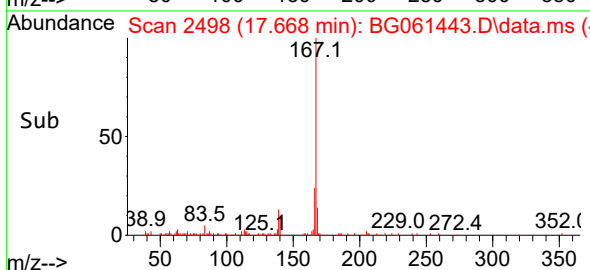
Reviewed By :Jagrut Upadhyay 06/04/2024
 Supervised By :mohammad ahmed 06/05/2024

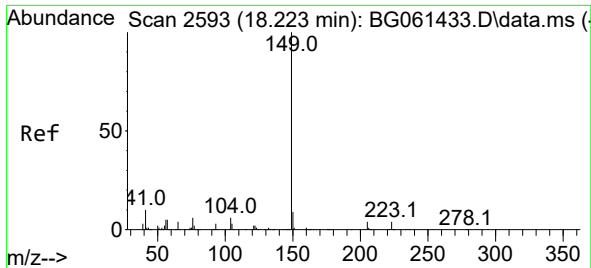


#77
 Carbazole
 Concen: 4.683 ng/uI
 RT: 17.668 min Scan# 2498
 Delta R.T. 0.004 min
 Lab File: BG061443.D
 Acq: 4 Jun 2024 5:08



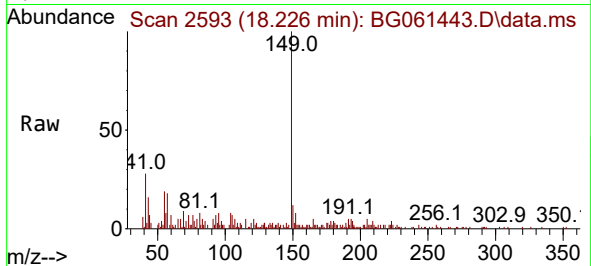
Tgt Ion:167 Resp: 53242
 Ion Ratio Lower Upper
 167 100
 166 23.8 18.6 28.0
 139 13.0 10.6 15.8





#78
Di-n-butylphthalate
Concen: 1.309 ng/ul
RT: 18.226 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG061443.D
Acq: 4 Jun 2024 5:08

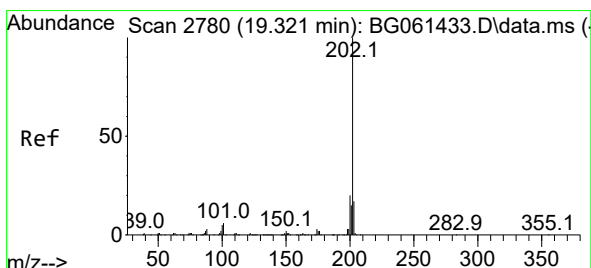
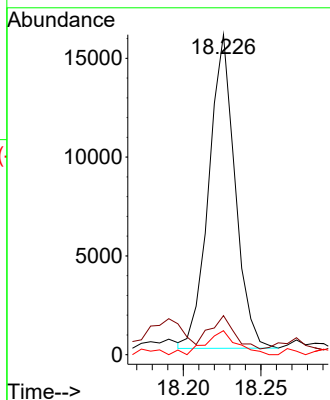
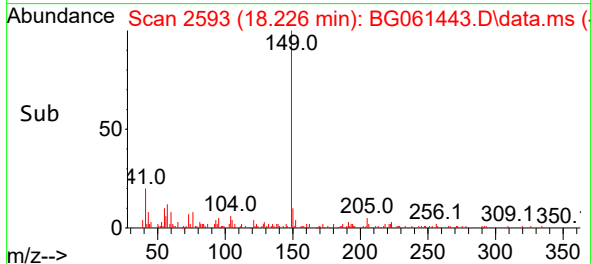
Instrument :
BNA_G
ClientSampleId :
BHBP0



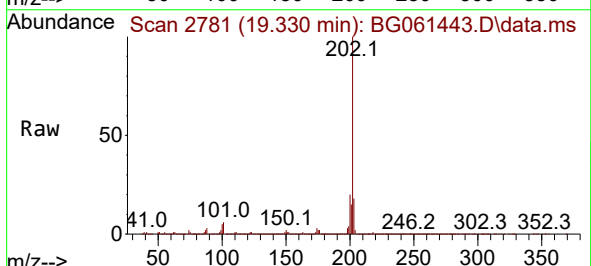
Tgt Ion:149 Resp: 1864
Ion Ratio Lower Upper
149 100
150 12.2 7.8 11.8
104 7.5 4.8 7.2

Manual Integrations
APPROVED

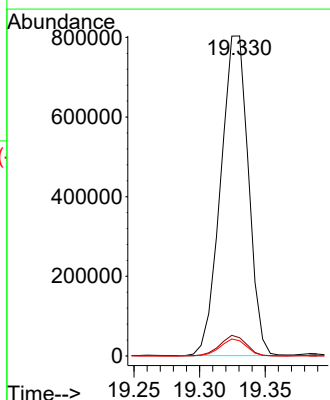
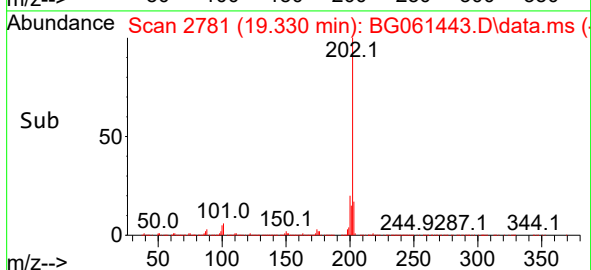
Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024

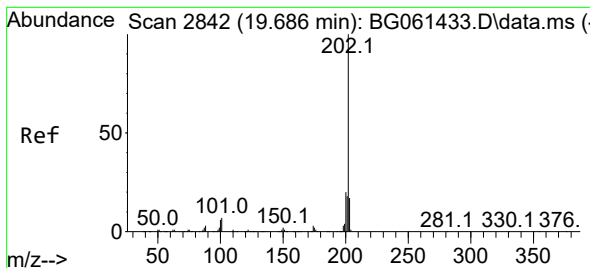


#80
Fluoranthene
Concen: 63.922 ng/ul
RT: 19.330 min Scan# 2781
Delta R.T. 0.016 min
Lab File: BG061443.D
Acq: 4 Jun 2024 5:08



Tgt Ion:202 Resp: 1179146
Ion Ratio Lower Upper
202 100
101 5.7 4.8 7.2
100 4.8 4.1 6.1





#82

Pyrene

Concen: 55.700 ng/ul

RT: 19.689 min Scan# 21

Delta R.T. 0.010 min

Lab File: BG061443.D

Acq: 4 Jun 2024 5:08

Instrument :

BNA_G

ClientSampleId :

BHBP0

Tgt Ion:202 Resp: 106652

Ion Ratio Lower Upper

202 100

101 7.1 5.7 8.5

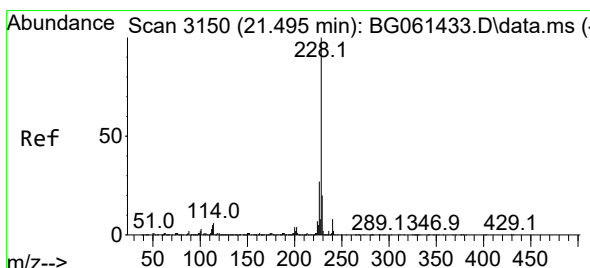
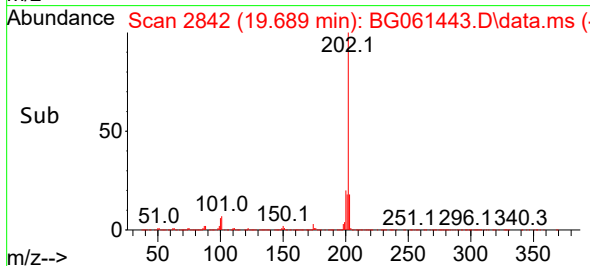
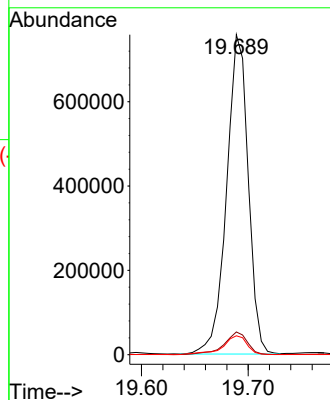
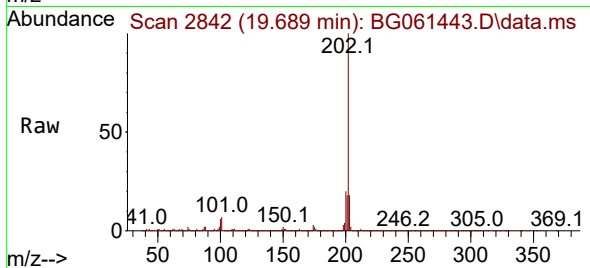
100 5.9 5.1 7.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/04/2024

Supervised By :mohammad ahmed 06/05/2024



#85

Benzo(a)anthracene

Concen: 35.025 ng/ul

RT: 21.504 min Scan# 3151

Delta R.T. 0.010 min

Lab File: BG061443.D

Acq: 4 Jun 2024 5:08

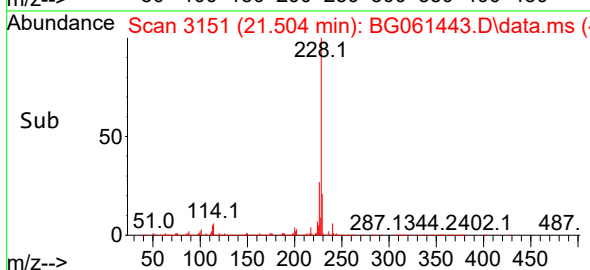
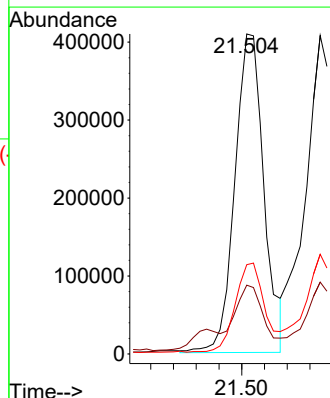
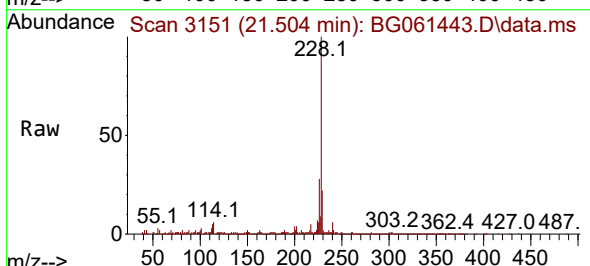
Tgt Ion:228 Resp: 723766

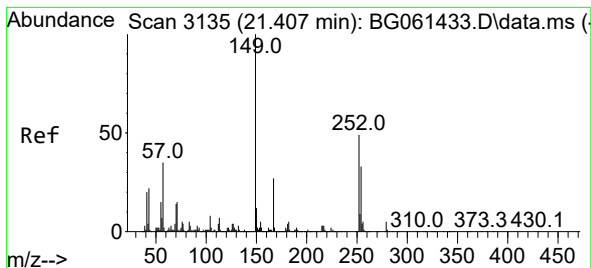
Ion Ratio Lower Upper

228 100

229 21.5 15.2 22.8

226 27.9 21.4 32.2





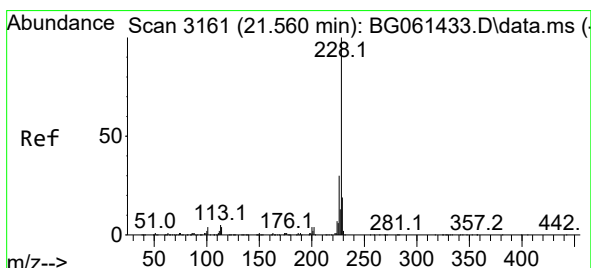
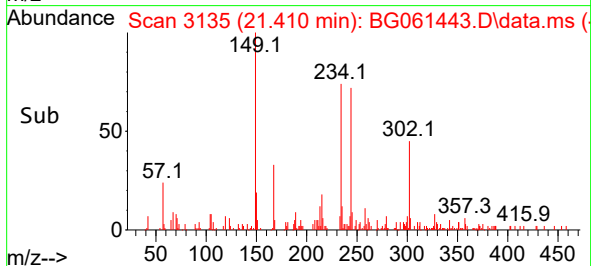
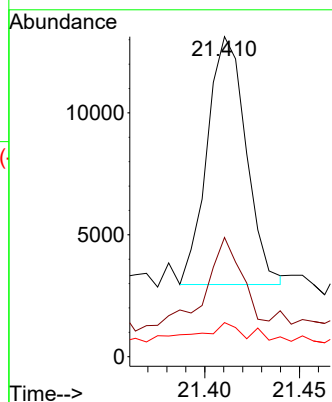
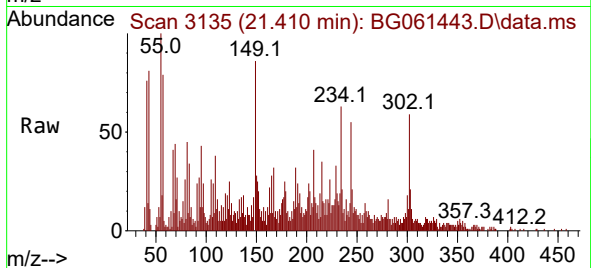
#86
Bis(2-ethylhexyl)phthalate
Concen: 1.492 ng/ul
RT: 21.410 min Scan# 3135
Delta R.T. 0.004 min
Lab File: BG061443.D
Acq: 4 Jun 2024 5:08

Instrument :
BNA_G
ClientSampleId :
BHBP0

Tgt Ion:149 Resp: 1452
Ion Ratio Lower Upper
149 100
167 37.2 21.1 31.7
279 10.6 3.3 4.9

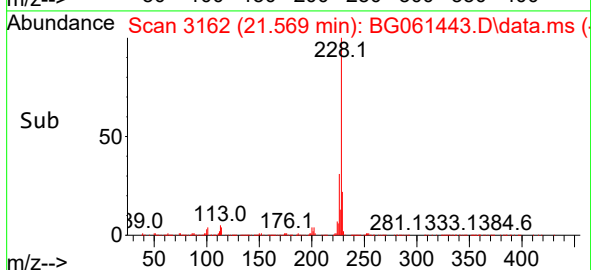
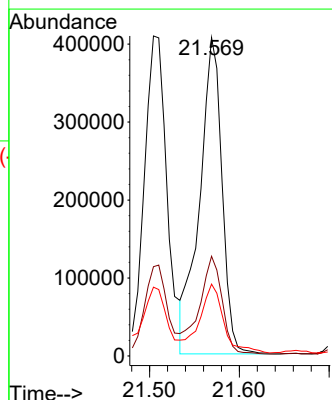
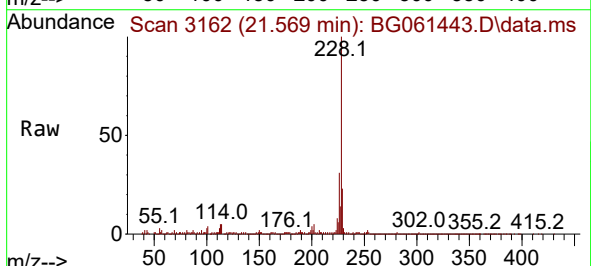
Manual Integrations
APPROVED

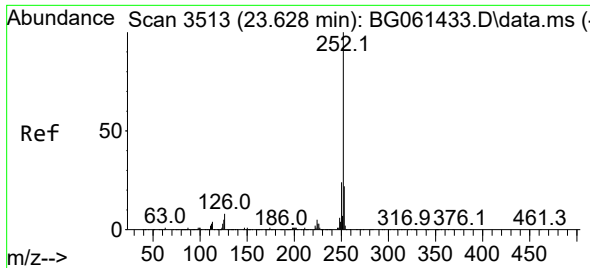
Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024



#87
Chrysene
Concen: 37.130 ng/ul
RT: 21.569 min Scan# 3162
Delta R.T. 0.016 min
Lab File: BG061443.D
Acq: 4 Jun 2024 5:08

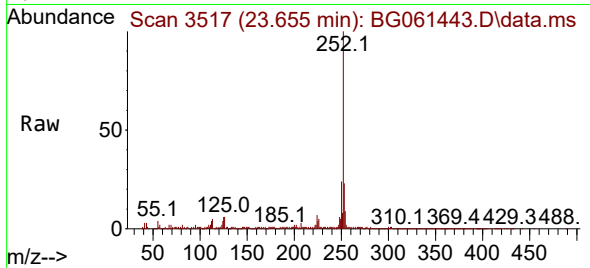
Tgt Ion:228 Resp: 706482
Ion Ratio Lower Upper
228 100
226 31.3 23.4 35.0
229 22.6 15.4 23.2





#90
Benzo(b)fluoranthene
Concen: 51.684 ng/ul
RT: 23.655 min Scan# 3517
Delta R.T. 0.039 min
Lab File: BG061443.D
Acq: 4 Jun 2024 5:08

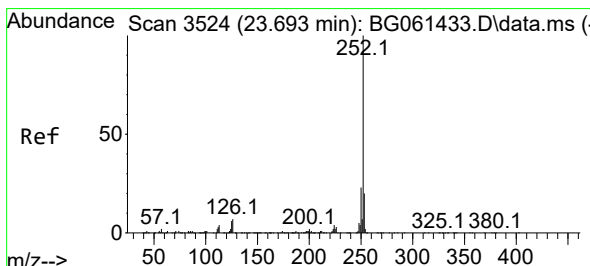
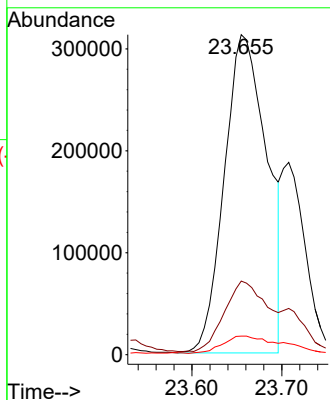
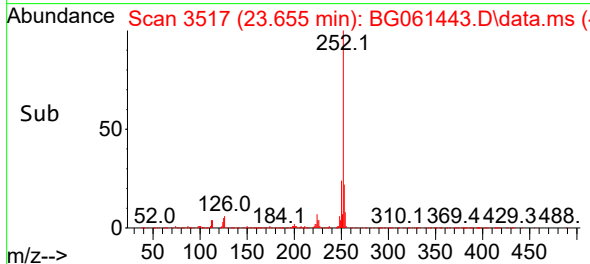
Instrument :
BNA_G
ClientSampleId :
BHBP0



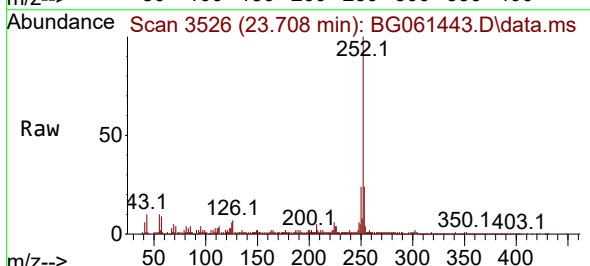
Tgt Ion:252 Resp: 102989
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 5.8 4.6 6.8

Manual Integrations
APPROVED

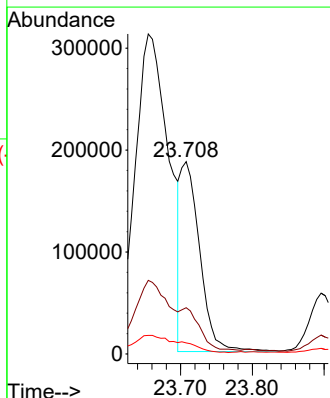
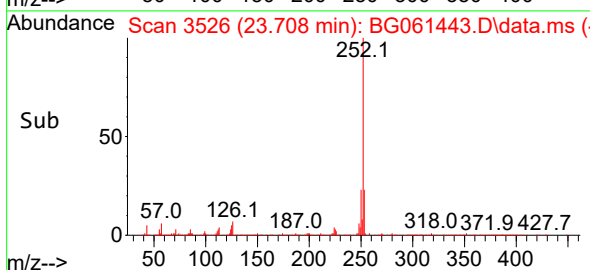
Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024

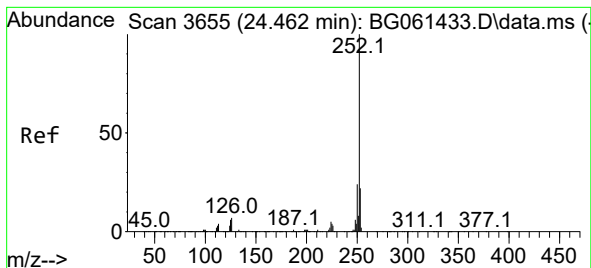


#91
Benzo(k)fluoranthene
Concen: 17.151 ng/ul m
RT: 23.708 min Scan# 3526
Delta R.T. 0.028 min
Lab File: BG061443.D
Acq: 4 Jun 2024 5:08



Tgt Ion:252 Resp: 346950
Ion Ratio Lower Upper
252 100
253 24.1 16.0 24.0#
125 5.7 4.3 6.5





#93

Benzo(a)pyrene

Concen: 35.878 ng/ul

RT: 24.495 min Scan# 3

Delta R.T. 0.045 min

Lab File: BG061443.D

Acq: 4 Jun 2024 5:08

Instrument :

BNA_G

ClientSampleId :

BHBP0

Tgt Ion:252 Resp: 67886

Ion Ratio Lower Upper

252 100

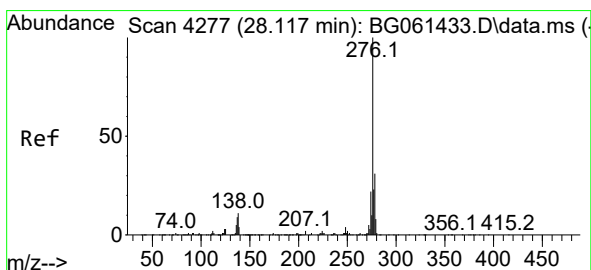
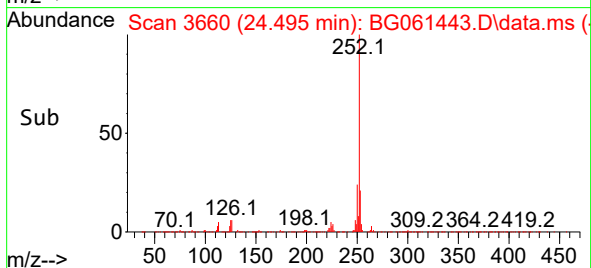
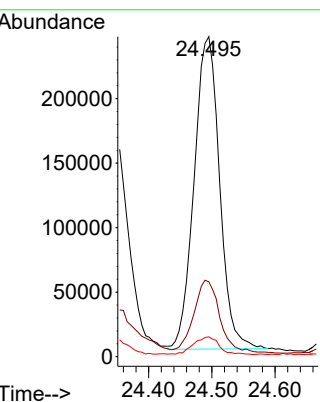
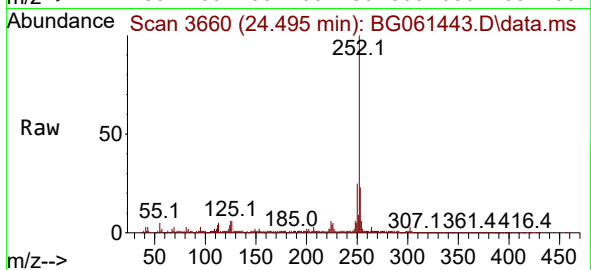
253 23.4 16.4 24.6

125 6.2 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: 19.002 ng/ul m

RT: 28.155 min Scan# 4283

Delta R.T. 0.063 min

Lab File: BG061443.D

Acq: 4 Jun 2024 5:08

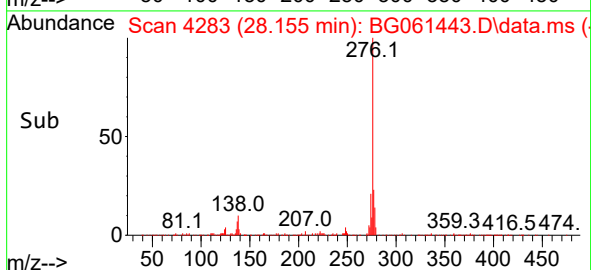
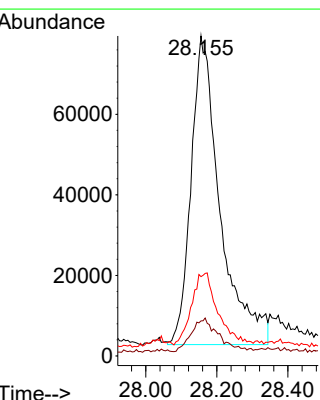
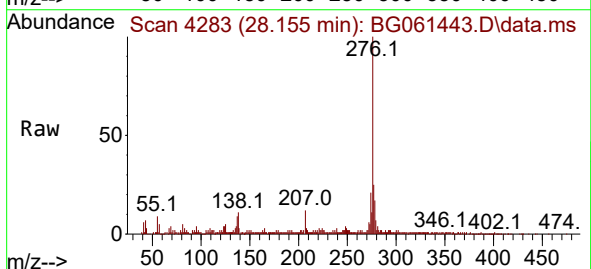
Tgt Ion:276 Resp: 434816

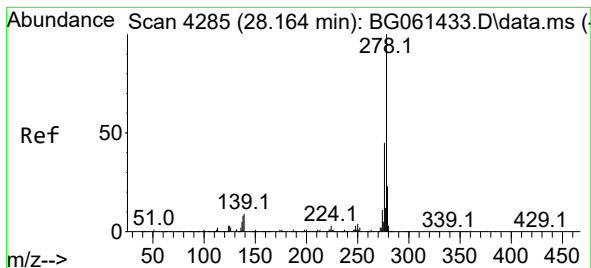
Ion Ratio Lower Upper

276 100

138 10.9 8.6 13.0

277 24.8 19.7 29.5





#95

Dibenzo(a,h)anthracene

Concen: 5.534 ng/ul m

RT: 28.191 min Scan# 4471

Delta R.T. 0.051 min

Lab File: BG061443.D

Acq: 4 Jun 2024 5:08

Instrument :

BNA_G

ClientSampleId :

BHBP0

Tgt Ion:278 Resp: 10441

Ion Ratio Lower Upper

278 100

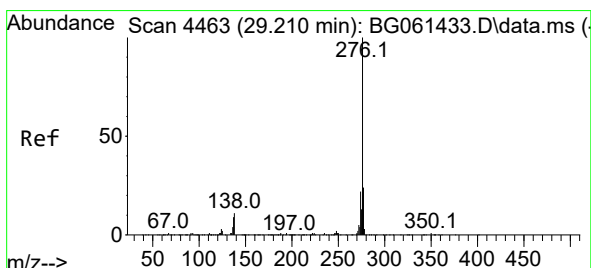
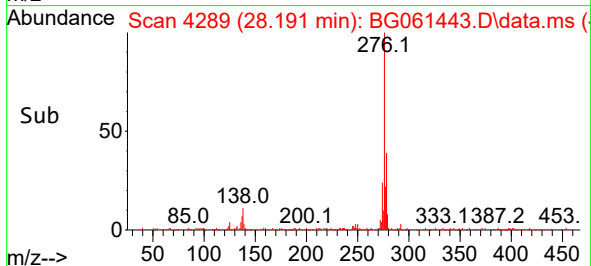
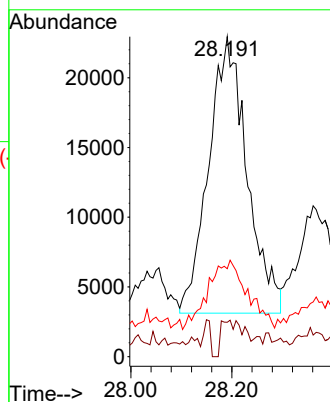
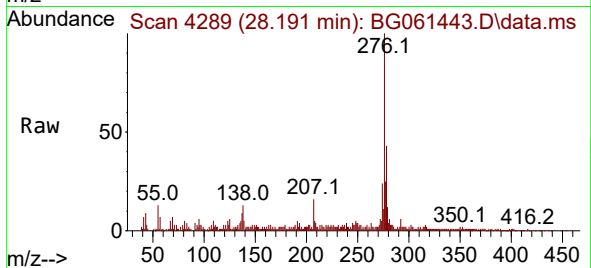
139 10.8 6.4 9.6

279 27.5 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: 17.570 ng/ul m

RT: 29.260 min Scan# 4471

Delta R.T. 0.086 min

Lab File: BG061443.D

Acq: 4 Jun 2024 5:08

Tgt Ion:276 Resp: 319844

Ion Ratio Lower Upper

276 100

138 11.5 8.7 13.1

277 29.9 18.2 27.2#

