

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070323\
 Data File : BG057967.D
 Acq On : 3 Jul 2023 23:20
 Operator : CG/JU
 Sample : 03246-09
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DCGJ6

Manual Integrations
 APPROVED

Reviewed By :Sohil Jodhani 07/04/2023
 Supervised By :mohammad ahmed 07/04/2023

Quant Time: Jul 04 04:31:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070123.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Jul 02 07:50:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.936	152	45374	20.000	ng/u1	0.00
20) Naphthalene-d8	10.744	136	212213	20.000	ng/u1	0.01
38) Acenaphthene-d10	14.569	164	142605	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.313	188	296762	20.000	ng/u1	0.00
79) Chrysene-d12	21.567	240	237687	20.000	ng/u1	0.00
88) Perylene-d12	24.734	264	298640	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.376	96	4329	3.341	ng/uL	0.01
4) Pyridine-d5	3.788	84	54227	13.785	ng/u1	0.01
7) Phenol-d5	7.101	99	96560	20.838	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.266	67	57203	20.485	ng/u1	0.00
11) 2-Chlorophenol-d4	7.471	132	70287	21.993	ng/u1	0.00
15) 4-Methylphenol-d8	8.646	113	67486	19.301	ng/u1	0.01
21) Nitrobenzene-d5	9.099	128	36087	20.864	ng/u1	0.00
24) 2-Nitrophenol-d4	9.822	143	38910	21.405	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.362	165	74109	21.252	ng/u1	0.00
31) 4-Chloroaniline-d4	10.873	131	38161	7.218	ng/u1	0.00
46) Dimethylphthalate-d6	13.976	166	234251	20.819	ng/u1	0.00
49) Acenaphthylene-d8	14.263	160	266465	21.702	ng/u1	0.00
54) 4-Nitrophenol-d4	14.775	143	28405m	14.289	ng/u1	0.01
60) Fluorene-d10	15.562	176	201310	21.067	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.679	200	26914	16.702	ng/u1	0.01
73) Anthracene-d10	17.413	188	295987	21.494	ng/u1	0.00
81) Pyrene-d10	19.698	212	344772	23.031	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.516	264	352763	23.185	ng/u1	0.02
Target Compounds						
					Qvalue	
30) Naphthalene	10.791	128	19440	1.630	ng/u1	98
36) 2-Methylnaphthalene	12.401	142	16152	2.009	ng/u1	97
37) 1-Methylnaphthalene	12.618	142	11637	1.443	ng/u1#	91
50) Acenaphthylene	14.299	152	13792	1.040	ng/u1	94
52) Acenaphthene	14.634	153	27170	2.986	ng/u1	94
61) Fluorene	15.615	166	29447	2.775	ng/u1#	90
72) Phenanthrene	17.360	178	459912	30.467	ng/u1	99
74) Anthracene	17.448	178	87804	5.748	ng/u1	99
80) Fluoranthene	19.369	202	706978	40.757	ng/u1	99
82) Pyrene	19.733	202	563406	32.267	ng/u1	99
85) Benzo(a)anthracene	21.549	228	329020	19.279	ng/u1	96
87) Chrysene	21.614	228	347436m	21.717	ng/u1	
90) Benzo(b)fluoranthene	23.729	252	497748	26.918	ng/u1	99
91) Benzo(k)fluoranthene	23.793	252	159680m	8.810	ng/u1	
93) Benzo(a)pyrene	24.581	252	318127	19.438	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	28.335	276	244107	11.232	ng/u1	97
95) Dibenzo(a,h)anthracene	28.376	278	64989m	3.626	ng/u1	
96) Benzo(g,h,i)perylene	29.463	276	218196m	12.292	ng/u1	

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

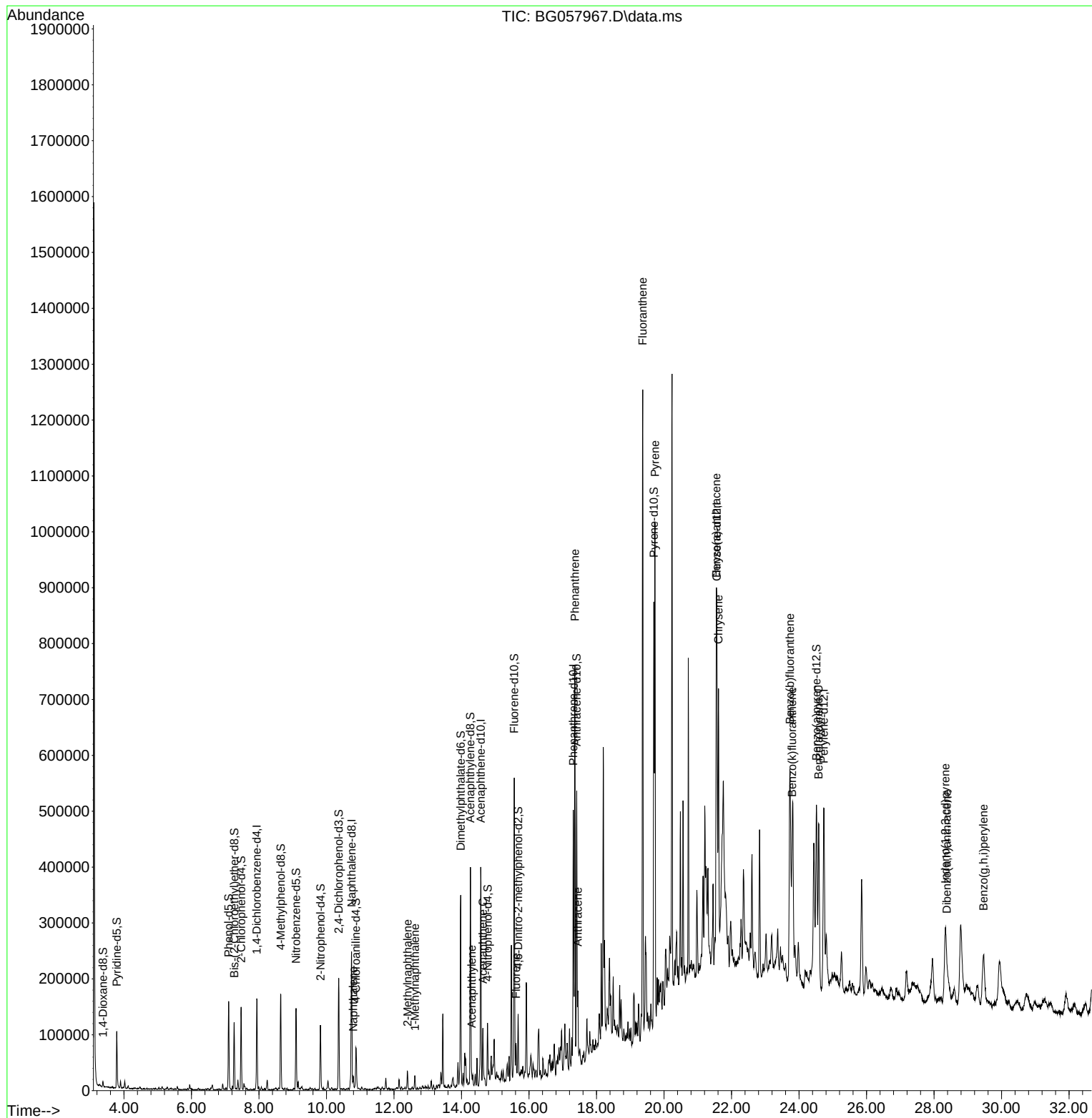
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070323\
 Data File : BG057967.D
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 Misc :
 ALS Vial : 23 Sample Multiplier: 1

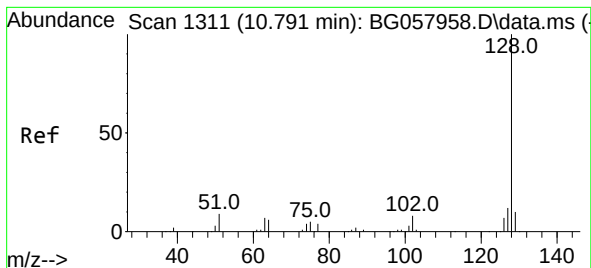
Instrument :
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Quant Time: Jul 04 04:31:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070123.MA.M
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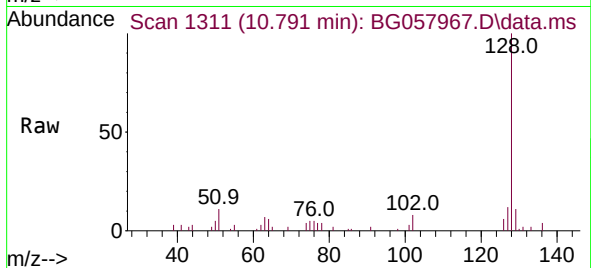
Reviewed By :Sohil Jodhani 07/04/2023
 Supervised By :mohammad ahmed 07/04/2023





#30
Naphthalene
Concen: 1.630 ng/ul
RT: 10.791 min Scan# 1311
Delta R.T. 0.006 min
Lab File: BG057967.D
Acq: 3 Jul 2023 23:20

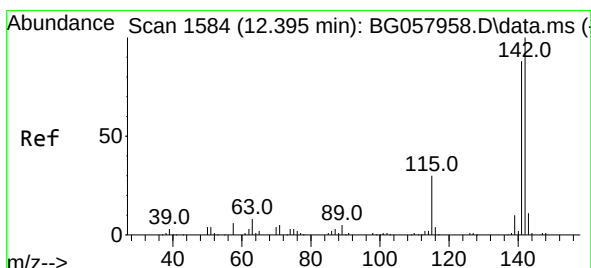
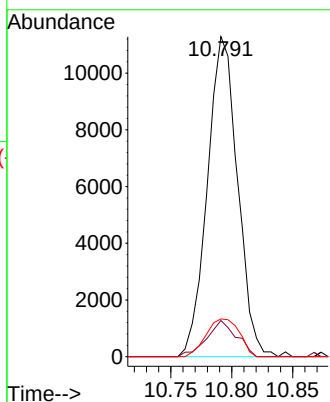
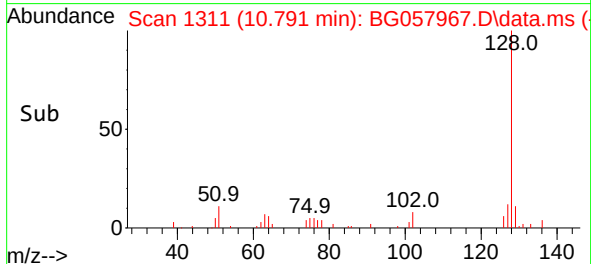
Instrument :
BNA_G
ClientSampleId :
DCGJ6



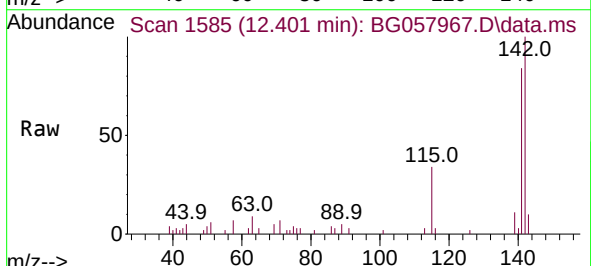
Tgt Ion:128 Resp: 19440
Ion Ratio Lower Upper
128 100
129 11.3 8.6 12.8
127 11.8 10.2 15.2

Manual Integrations
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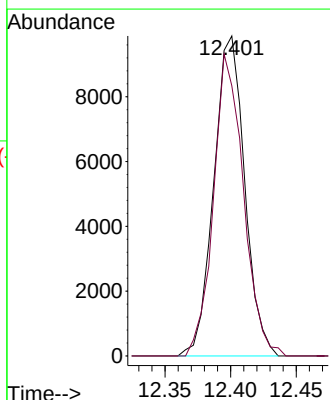
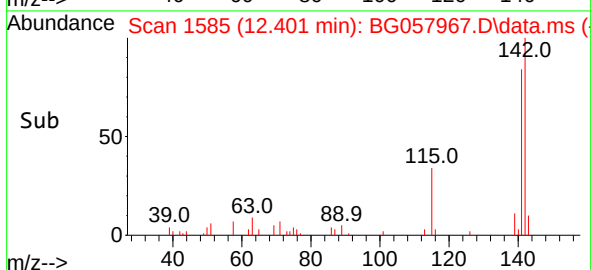
Reviewed By :Sohil Jodhani 07/04/2023
Supervised By :mohammad ahmed 07/04/2023

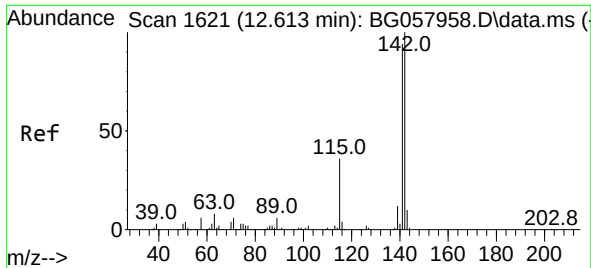


#36
2-Methylnaphthalene
Concen: 2.009 ng/ul
RT: 12.401 min Scan# 1585
Delta R.T. 0.012 min
Lab File: BG057967.D
Acq: 3 Jul 2023 23:20



Tgt Ion:142 Resp: 16152
Ion Ratio Lower Upper
142 100
141 84.4 69.4 104.2





#37

1-Methylnaphthalene

Concen: 1.443 ng/ul

RT: 12.618 min Scan# 1

Delta R.T. 0.006 min

Lab File: BG057967.D

Acq: 3 Jul 2023 23:20

Instrument :

BNA_G

ClientSampleId :

DCGJ6

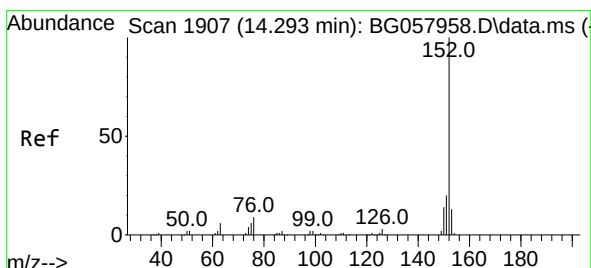
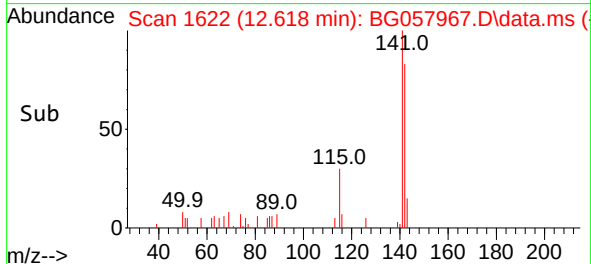
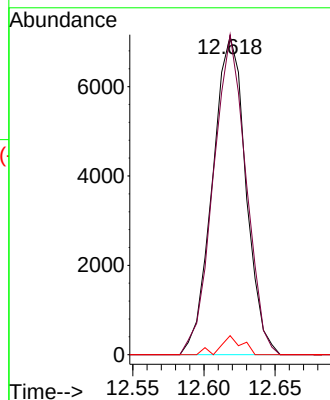
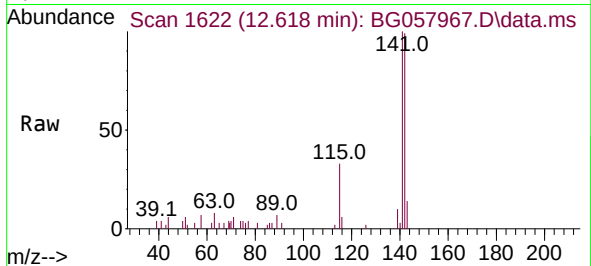
Tgt Ion:	142	Resp:	1163
Ion Ratio	Lower	Upper	
142	100		
141	100.5	73.8	110.8
116	6.0	3.0	4.4

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#50

Acenaphthylene

Concen: 1.040 ng/ul

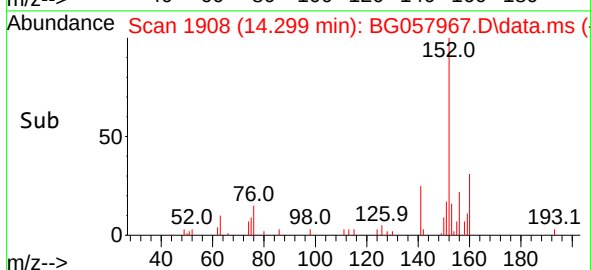
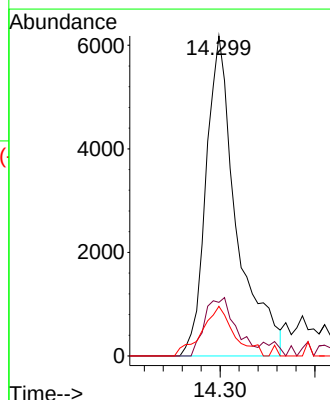
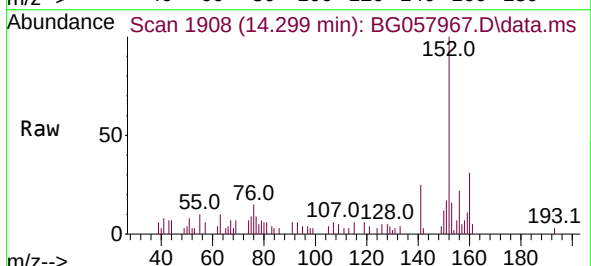
RT: 14.299 min Scan# 1908

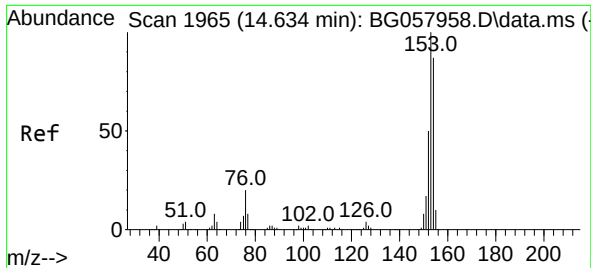
Delta R.T. 0.012 min

Lab File: BG057967.D

Acq: 3 Jul 2023 23:20

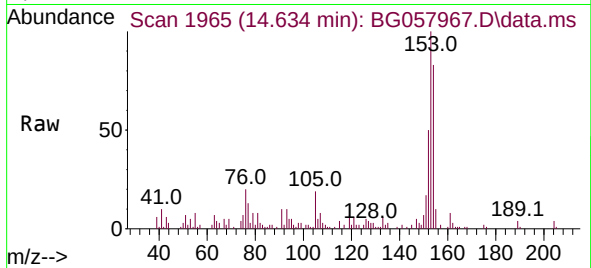
Tgt Ion:	152	Resp:	13792
Ion Ratio	Lower	Upper	
152	100		
151	16.7	15.6	23.4
153	15.5	10.5	15.7





#52
Acenaphthene
Concen: 2.986 ng/ul
RT: 14.634 min Scan# 1965
Delta R.T. 0.006 min
Lab File: BG057967.D
Acq: 3 Jul 2023 23:20

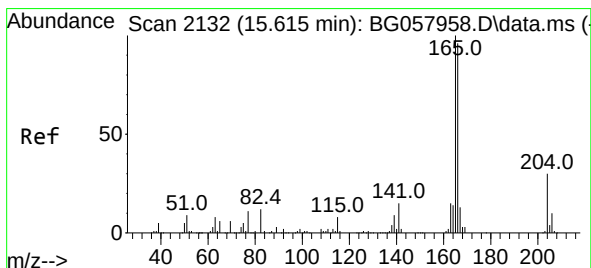
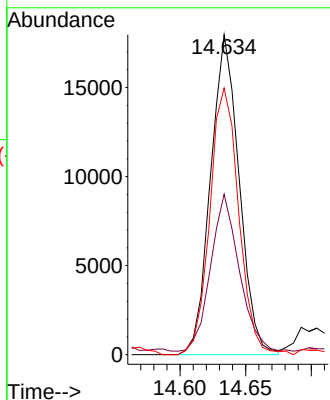
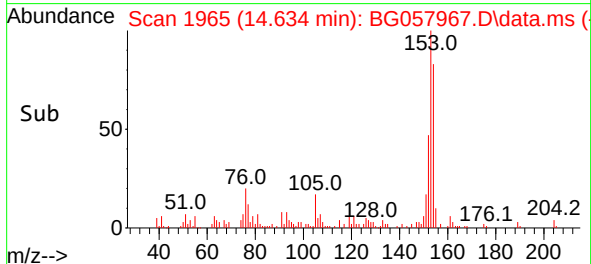
Instrument :
BNA_G
ClientSampleId :
DCGJ6



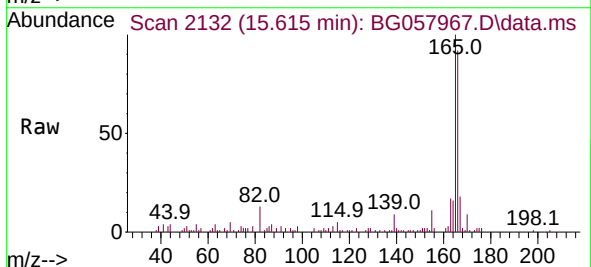
Tgt Ion:153 Resp: 27170
Ion Ratio Lower Upper
153 100
152 50.1 36.5 54.7
154 83.3 70.5 105.7

Manual Integrations
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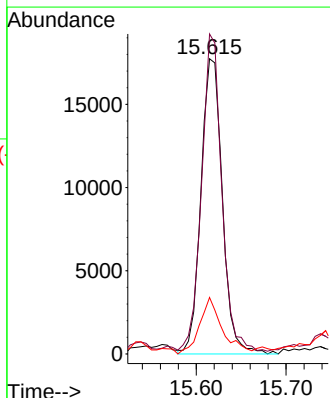
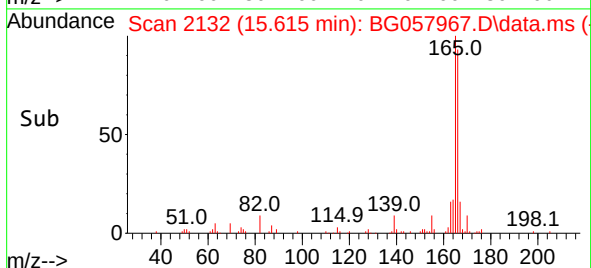
Reviewed By :Sohil Jodhani 07/04/2023
Supervised By :mohammad ahmed 07/04/2023

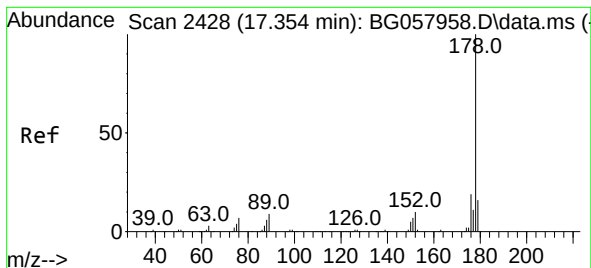


#61
Fluorene
Concen: 2.775 ng/ul
RT: 15.615 min Scan# 2132
Delta R.T. 0.006 min
Lab File: BG057967.D
Acq: 3 Jul 2023 23:20



Tgt Ion:166 Resp: 29447
Ion Ratio Lower Upper
166 100
165 108.4 79.1 118.7
167 19.1 10.7 16.1#





#72

Phenanthrene

Concen: 30.467 ng/ul

RT: 17.360 min Scan# 2428

Delta R.T. 0.012 min

Lab File: BG057967.D

Acq: 3 Jul 2023 23:20

Instrument :

BNA_G

ClientSampleId :

DCGJ6

Tgt Ion:178 Resp: 45991

Ion Ratio Lower Upper

178 100

179 15.3 12.8 19.2

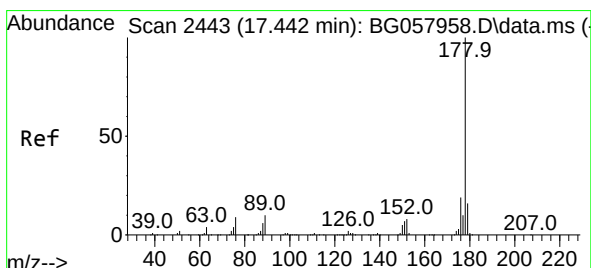
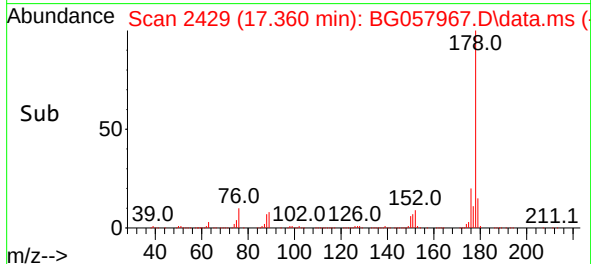
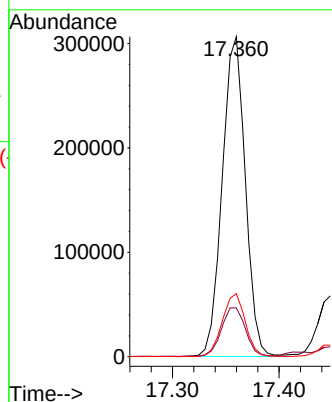
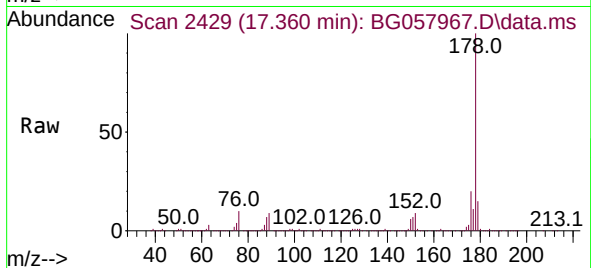
176 19.7 15.7 23.5

Manual Integrations

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Reviewed By :Sohil Jodhani 07/04/2023

Supervised By :mohammad ahmed 07/04/2023



#74

Anthracene

Concen: 5.748 ng/ul

RT: 17.448 min Scan# 2444

Delta R.T. 0.006 min

Lab File: BG057967.D

Acq: 3 Jul 2023 23:20

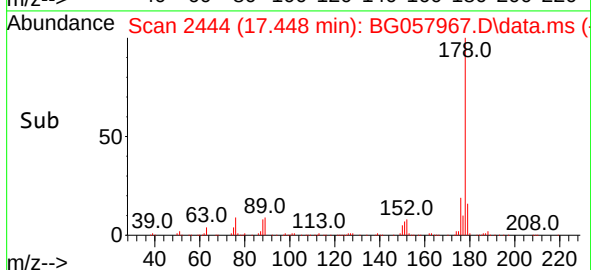
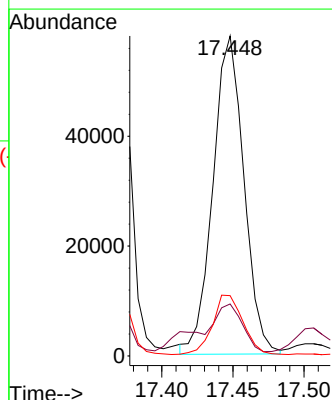
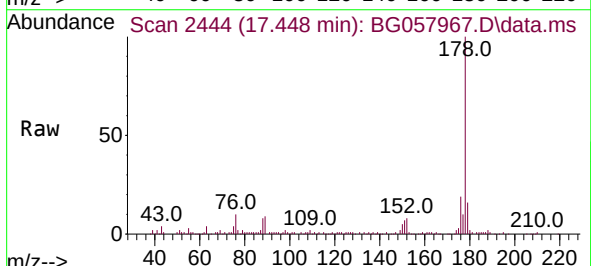
Tgt Ion:178 Resp: 87804

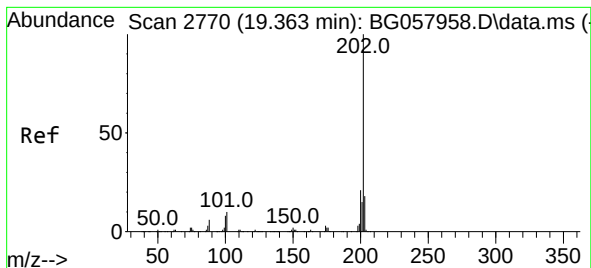
Ion Ratio Lower Upper

178 100

179 16.2 12.6 18.8

176 18.9 15.4 23.2





#80

Fluoranthene

Concen: 40.757 ng/ul

RT: 19.369 min Scan# 2770

Delta R.T. 0.012 min

Lab File: BG057967.D

Acq: 3 Jul 2023 23:20

Instrument :

BNA_G

ClientSampleId :

DCGJ6

Tgt Ion:202 Resp: 706978

Ion Ratio Lower Upper

202 100

101 11.8 9.1 13.7

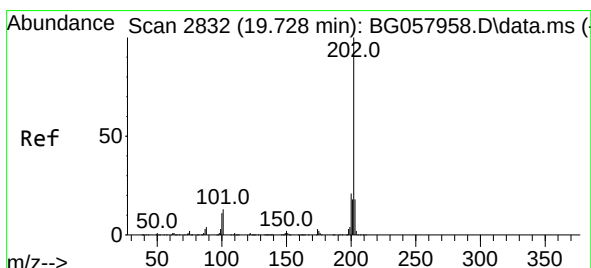
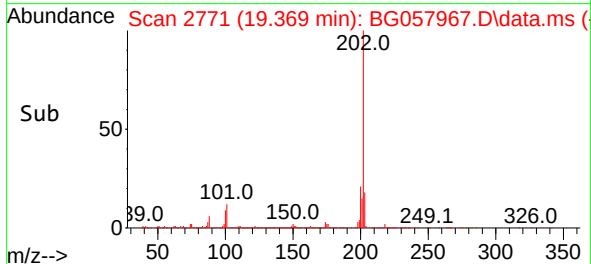
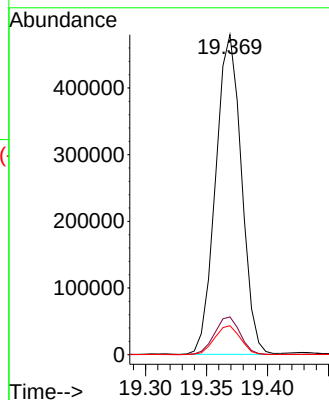
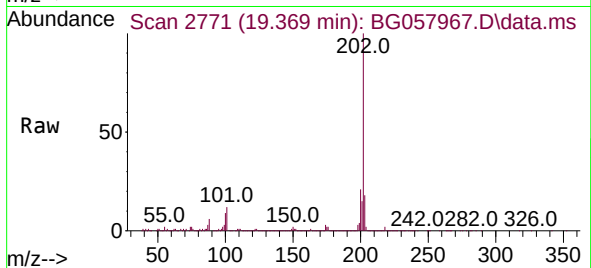
100 9.0 7.1 10.7

Manual Integrations

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Reviewed By :Sohil Jodhani 07/04/2023

Supervised By :mohammad ahmed 07/04/2023



#82

Pyrene

Concen: 32.267 ng/ul

RT: 19.733 min Scan# 2833

Delta R.T. 0.012 min

Lab File: BG057967.D

Acq: 3 Jul 2023 23:20

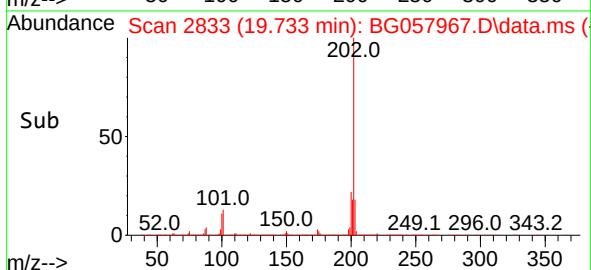
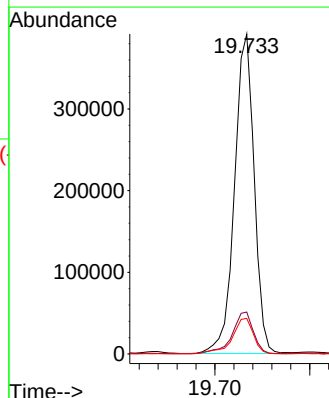
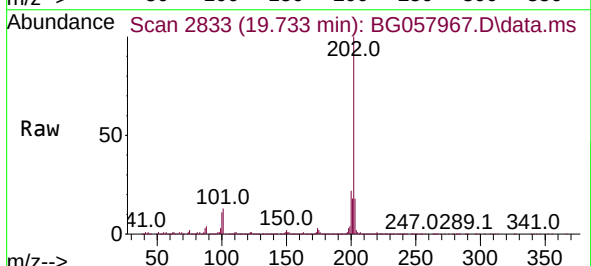
Tgt Ion:202 Resp: 563406

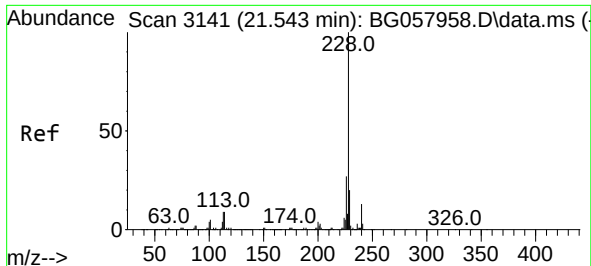
Ion Ratio Lower Upper

202 100

101 13.1 10.2 15.2

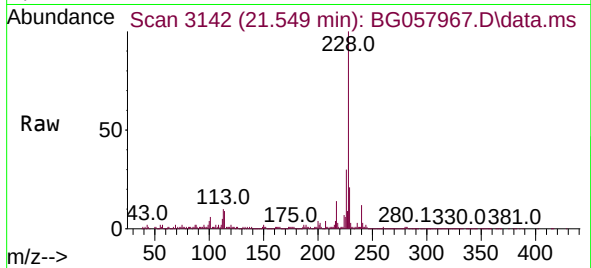
100 11.1 8.9 13.3





#85
Benzo(a)anthracene
Concen: 19.279 ng/ul
RT: 21.549 min Scan# 3142
Delta R.T. 0.006 min
Lab File: BG057967.D
Acq: 3 Jul 2023 23:20

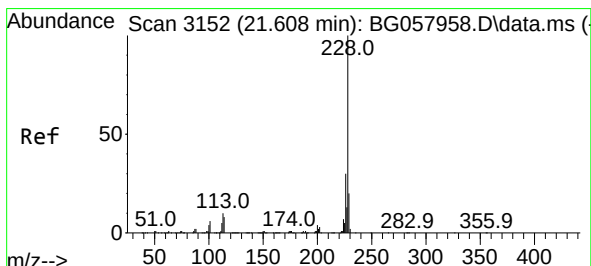
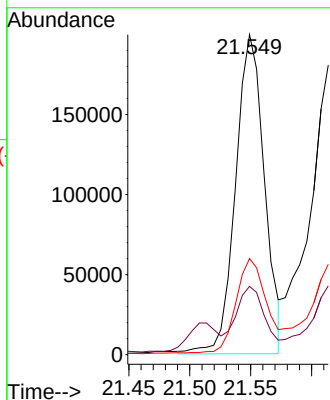
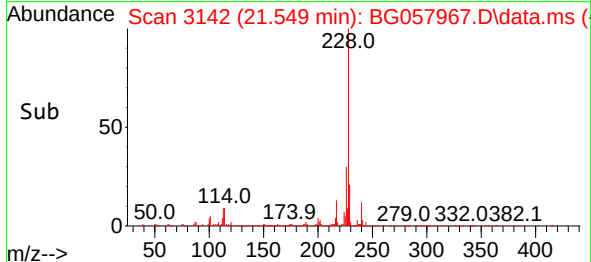
Instrument :
BNA_G
ClientSampleId :
DCGJ6



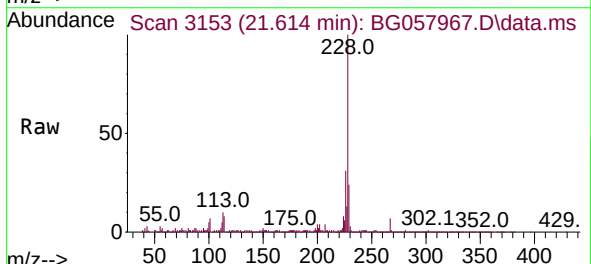
Tgt Ion:228 Resp: 329020
Ion Ratio Lower Upper
228 100
229 21.4 16.0 24.0
226 30.0 22.0 33.0

Manual Integrations
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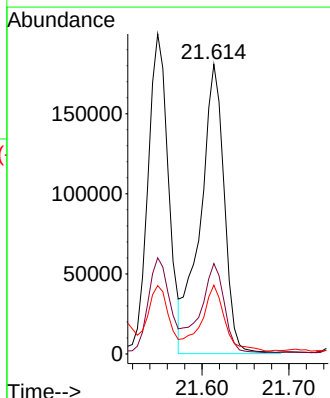
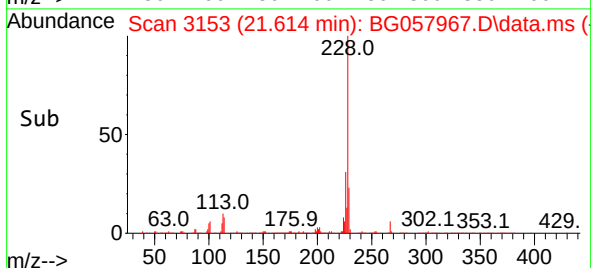
Reviewed By :Sohil Jodhani 07/04/2023
Supervised By :mohammad ahmed 07/04/2023

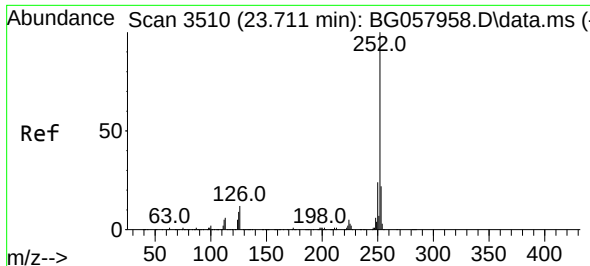


#87
Chrysene
Concen: 21.717 ng/ul m
RT: 21.614 min Scan# 3153
Delta R.T. 0.006 min
Lab File: BG057967.D
Acq: 3 Jul 2023 23:20



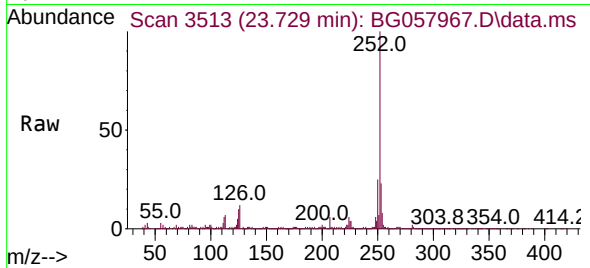
Tgt Ion:228 Resp: 347436
Ion Ratio Lower Upper
228 100
226 31.2 24.4 36.6
229 23.8 15.5 23.3#





#90
Benzo(b)fluoranthene
Concen: 26.918 ng/ul
RT: 23.729 min Scan# 3510
Delta R.T. 0.018 min
Lab File: BG057967.D
Acq: 3 Jul 2023 23:20

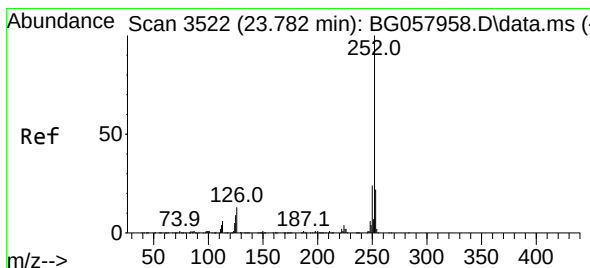
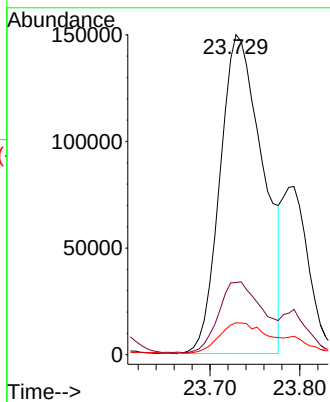
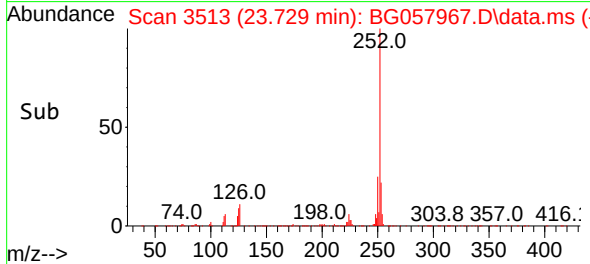
Instrument :
BNA_G
ClientSampleId :
DCGJ6



Tgt Ion:252 Resp: 497748
Ion Ratio Lower Upper
252 100
253 22.6 18.1 27.1
125 10.0 7.5 11.3

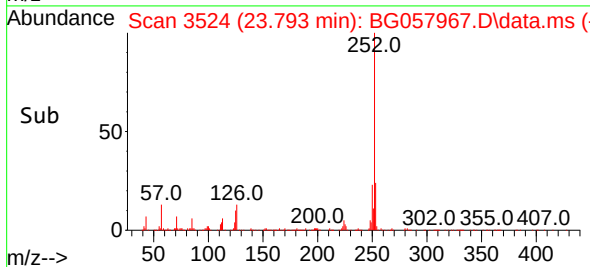
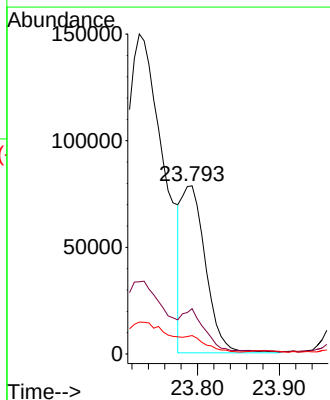
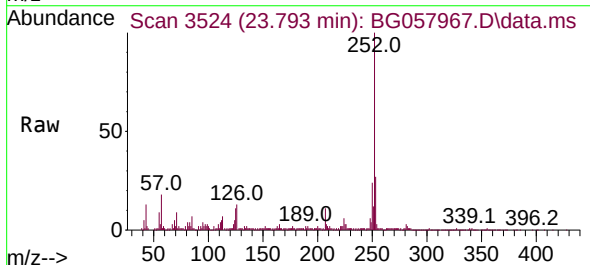
Manual Integrations
APPROVED

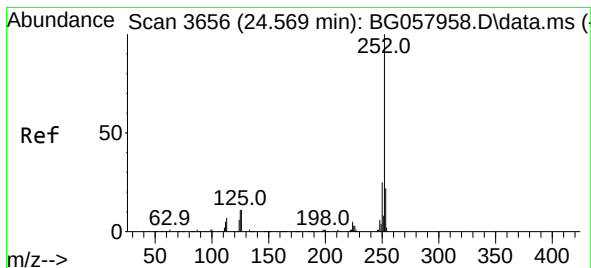
Reviewed By :Sohil Jodhani 07/04/2023
Supervised By :mohammad ahmed 07/04/2023



#91
Benzo(k)fluoranthene
Concen: 8.810 ng/ul m
RT: 23.793 min Scan# 3524
Delta R.T. 0.018 min
Lab File: BG057967.D
Acq: 3 Jul 2023 23:20

Tgt Ion:252 Resp: 159680
Ion Ratio Lower Upper
252 100
253 26.9 17.7 26.5#
125 10.9 7.4 11.2





#93

Benzo(a)pyrene

Concen: 19.438 ng/ul

RT: 24.581 min Scan# 3

Delta R.T. 0.012 min

Lab File: BG057967.D

Acq: 3 Jul 2023 23:20

Instrument :

BNA_G

ClientSampleId :

DCGJ6

Tgt Ion:252 Resp: 31812

Ion Ratio Lower Upper

252 100

253 24.0 17.8 26.6

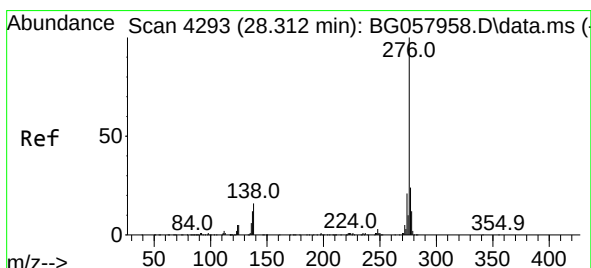
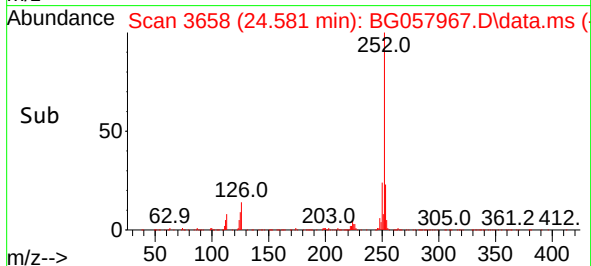
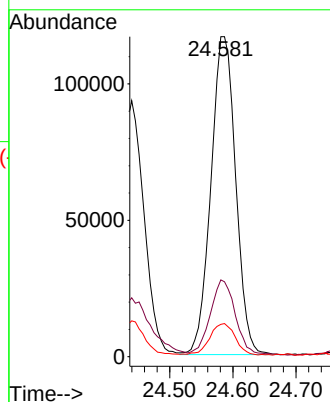
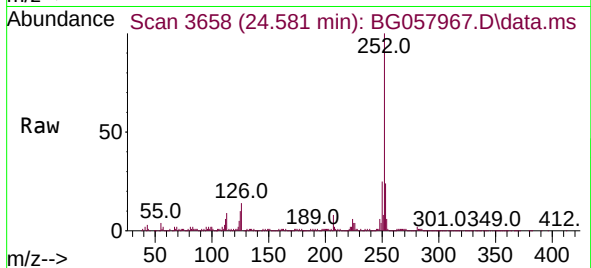
125 10.1 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Sohil Jodhani 07/04/2023

Supervised By :mohammad ahmed 07/04/2023



#94

Indeno(1,2,3-cd)pyrene

Concen: 11.232 ng/ul

RT: 28.335 min Scan# 4297

Delta R.T. 0.030 min

Lab File: BG057967.D

Acq: 3 Jul 2023 23:20

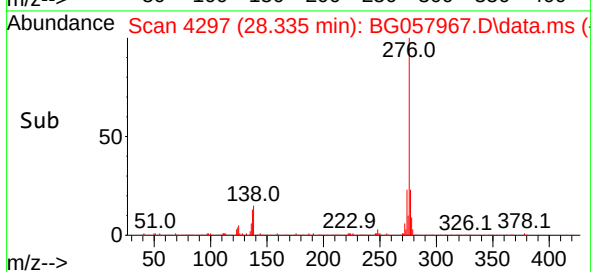
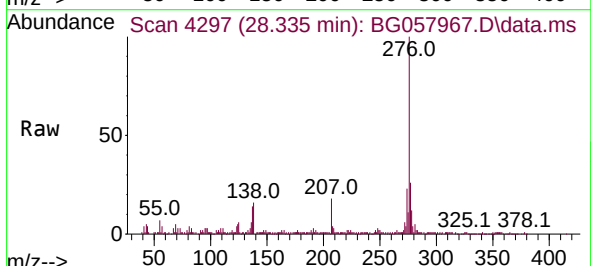
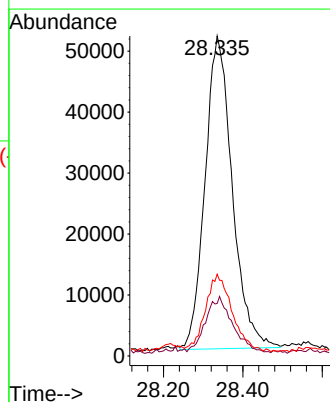
Tgt Ion:276 Resp: 244107

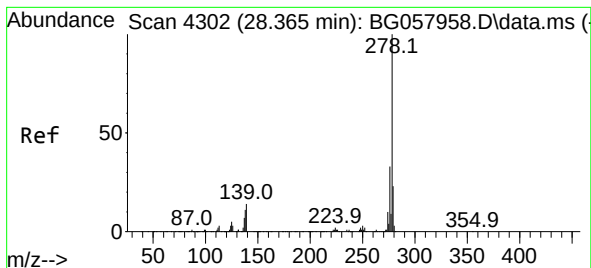
Ion Ratio Lower Upper

276 100

138 16.4 14.0 21.0

277 25.6 19.4 29.2





#95

Dibenzo(a,h)anthracene

Concen: 3.626 ng/ul m

RT: 28.376 min Scan# 4302

Delta R.T. 0.006 min

Lab File: BG057967.D

Acq: 3 Jul 2023 23:20

Instrument :

BNA_G

ClientSampleId :

DCGJ6

Tgt Ion:278 Resp: 64989

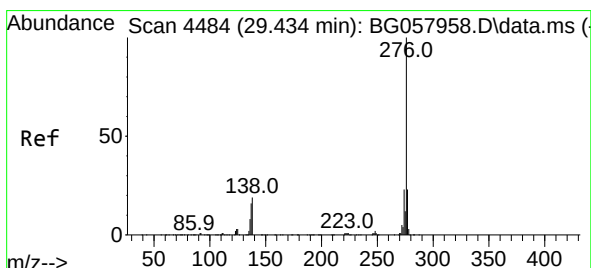
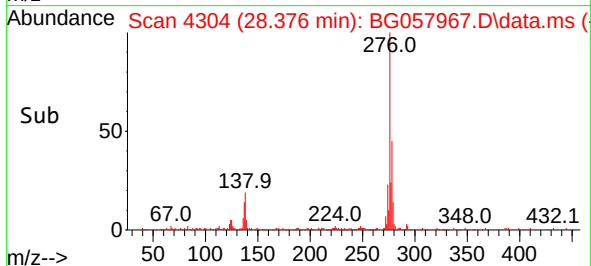
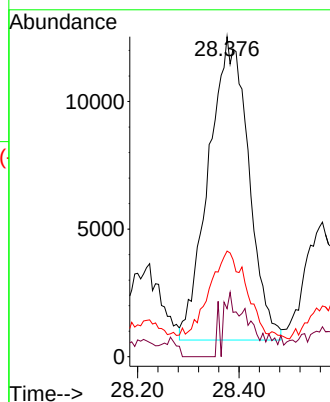
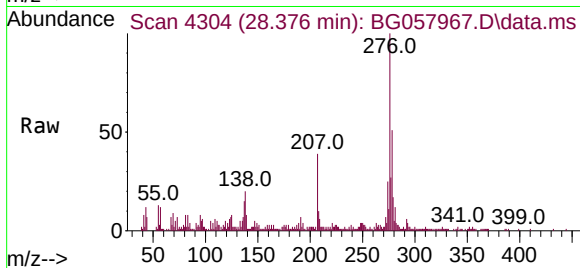
Ion	Ratio	Lower	Upper
278	100		
139	15.0	11.3	16.9
279	33.0	18.9	28.3

Manual Integrations

APPROVED

Reviewed By :Sohil Jodhani 07/04/2023

Supervised By :mohammad ahmed 07/04/2023



#96

Benzo(g,h,i)perylene

Concen: 12.292 ng/ul m

RT: 29.463 min Scan# 4489

Delta R.T. 0.035 min

Lab File: BG057967.D

Acq: 3 Jul 2023 23:20

Tgt Ion:276 Resp: 218196

Ion	Ratio	Lower	Upper
276	100		
138	18.4	14.2	21.2
277	23.7	18.6	27.8

