

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070323\
 Data File : BG058015.D
 Acq On : 5 Jul 2023 11:04
 Operator : CG/JU
 Sample : 03248-10
 Misc :
 ALS Vial : 74 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DCGN8

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/05/2023
 Supervised By :mohammad ahmed 07/05/2023

Quant Time: Jul 05 12:22:14 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070123.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 04 05:09:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.943	152	80838	20.000	ng/u1	0.00
20) Naphthalene-d8	10.752	136	376753	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.582	164	254167	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.326	188	539774	20.000	ng/u1	0.00
79) Chrysene-d12	21.586	240	435340	20.000	ng/u1	0.01
88) Perylene-d12	24.765	264	515579	20.000	ng/u1	0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.378	96	8370	3.626	ng/uL	0.00
4) Pyridine-d5	3.789	84	97586	13.924	ng/u1	0.00
7) Phenol-d5	7.115	99	207041	25.079	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.267	67	123917	24.908	ng/u1	0.00
11) 2-Chlorophenol-d4	7.479	132	152130	26.718	ng/u1	0.00
15) 4-Methylphenol-d8	8.654	113	140265	22.517	ng/u1	0.00
21) Nitrobenzene-d5	9.106	128	81296	26.475	ng/u1	0.00
24) 2-Nitrophenol-d4	9.829	143	92426	28.639	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.376	165	166578	26.906	ng/u1	0.01
31) 4-Chloroaniline-d4	10.887	131	55386	5.901	ng/u1	0.00
46) Dimethylphthalate-d6	13.983	166	525935	26.226	ng/u1	0.00
49) Acenaphthylene-d8	14.277	160	607543	27.762	ng/u1	0.00
54) 4-Nitrophenol-d4	14.788	143	79366	22.400	ng/u1	0.01
60) Fluorene-d10	15.575	176	463094	27.191	ng/u1	0.01
65) 4,6-Dinitro-2-methylph...	15.693	200	65782	22.444	ng/u1	0.01
73) Anthracene-d10	17.426	188	642676	25.659	ng/u1	0.01
81) Pyrene-d10	19.712	212	773046	28.195	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.547	264	790422	30.091	ng/u1	0.03
Target Compounds					Qvalue	
72) Phenanthrene	17.367	178	58627	2.135	ng/u1	99
80) Fluoranthene	19.377	202	255047	8.028	ng/u1	99
82) Pyrene	19.741	202	205064	6.412	ng/u1	99
85) Benzo(a)anthracene	21.562	228	107089	3.426	ng/u1	95
87) Chrysene	21.627	228	121511	4.147	ng/u1	96
90) Benzo(b)fluoranthene	23.754	252	198504	6.218	ng/u1#	95
91) Benzo(k)fluoranthene	23.807	252	53825m	1.720	ng/u1	
93) Benzo(a)pyrene	24.612	252	104973	3.715	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	28.390	276	77929m	2.077	ng/u1	
96) Benzo(g,h,i)perylene	29.530	276	58601m	1.912	ng/u1	

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

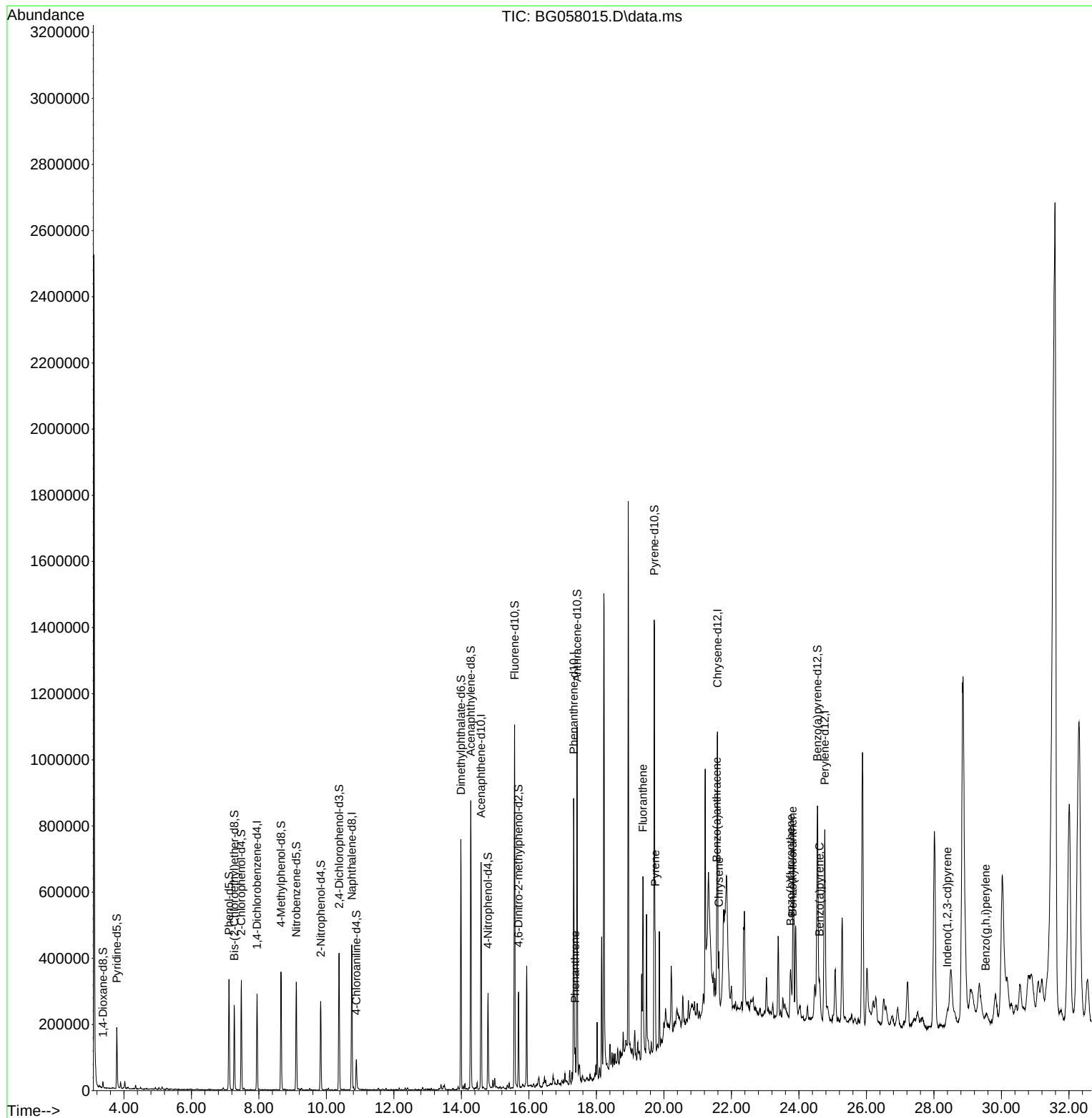
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070323\
Data File : BG058015.D
Acq On : 5 Jul 2023 11:04
Operator : CG/JU
Sample : 03248-10
Misc :
ALS Vial : 74 Sample Multiplier: 1

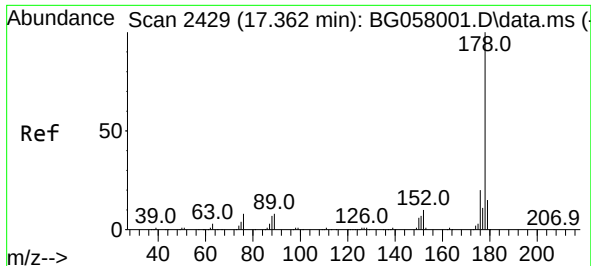
Instrument :
BNA_G
ClientSampleId :
DCGN8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/05/2023
Supervised By :mohammad ahmed 07/05/2023

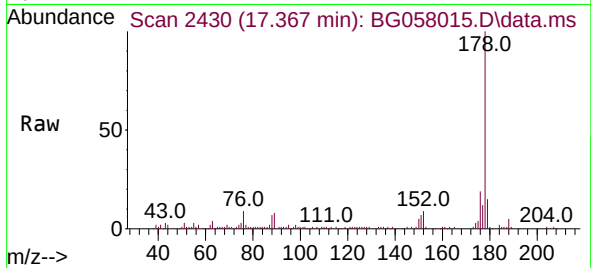
Quant Time: Jul 05 12:22:14 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070123.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 04 05:09:13 2023
Response via : Initial Calibration





#72
Phenanthrene
Concen: 2.135 ng/ul
RT: 17.367 min Scan# 2429
Delta R.T. 0.008 min
Lab File: BG058015.D
Acq: 5 Jul 2023 11:04

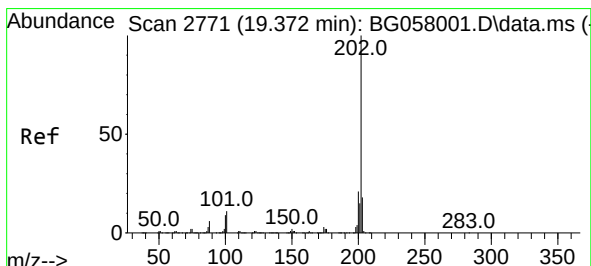
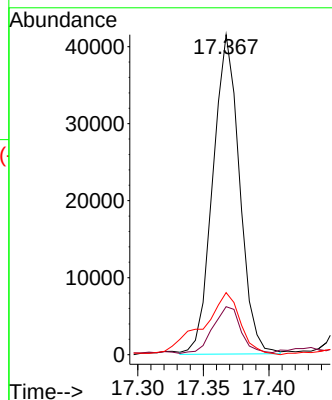
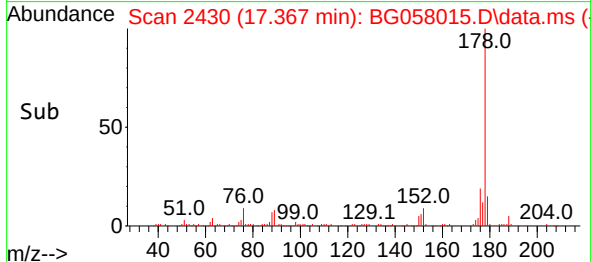
Instrument :
BNA_G
ClientSampleId :
DCGN8



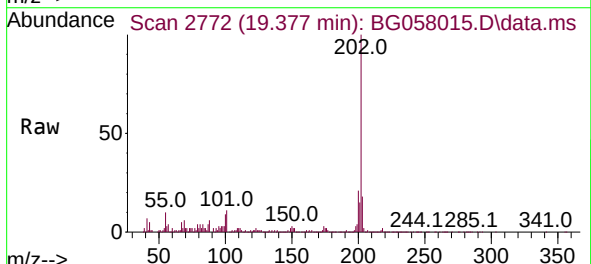
Tgt Ion:178 Resp: 5862
Ion Ratio Lower Upper
178 100
179 15.0 12.8 19.2
176 19.4 15.7 23.5

Manual Integrations
APPROVED

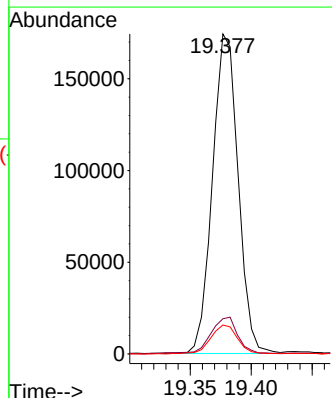
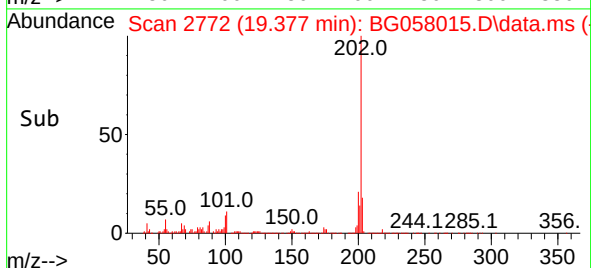
Reviewed By :Yogesh Patel 07/05/2023
Supervised By :mohammad ahmed 07/05/2023

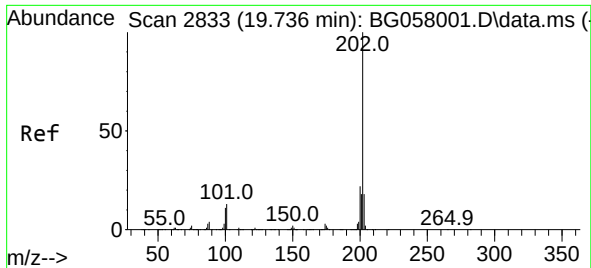


#80
Fluoranthene
Concen: 8.028 ng/ul
RT: 19.377 min Scan# 2772
Delta R.T. 0.008 min
Lab File: BG058015.D
Acq: 5 Jul 2023 11:04



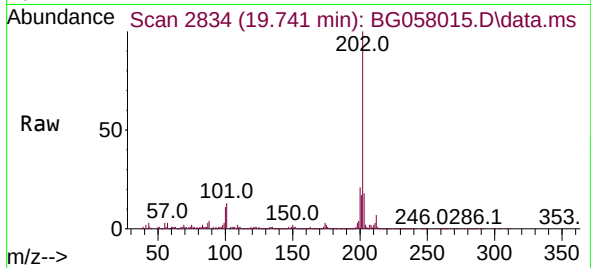
Tgt Ion:202 Resp: 255047
Ion Ratio Lower Upper
202 100
101 11.0 9.1 13.7
100 9.1 7.1 10.7





#82
 Pyrene
 Concen: 6.412 ng/ul
 RT: 19.741 min Scan# 21
 Delta R.T. 0.008 min
 Lab File: BG058015.D
 Acq: 5 Jul 2023 11:04

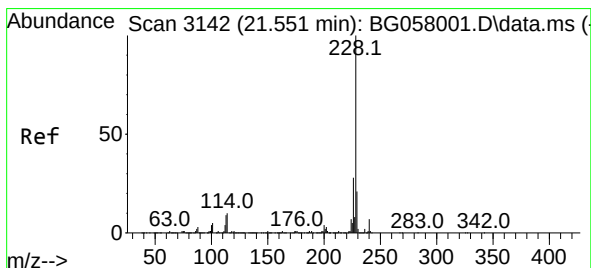
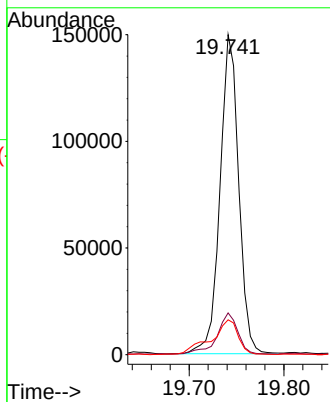
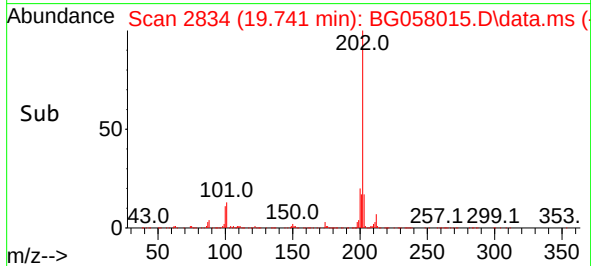
Instrument :
 BNA_G
 ClientSampleId :
 DCGN8



Tgt Ion:202 Resp: 205064
 Ion Ratio Lower Upper
 202 100
 101 13.1 10.2 15.2
 100 10.9 8.9 13.3

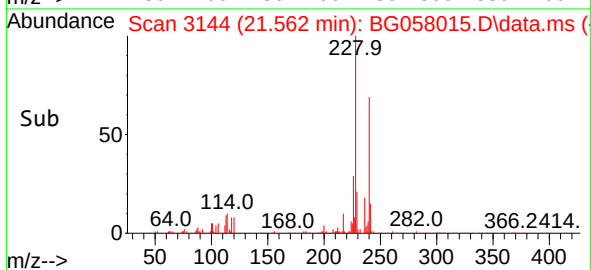
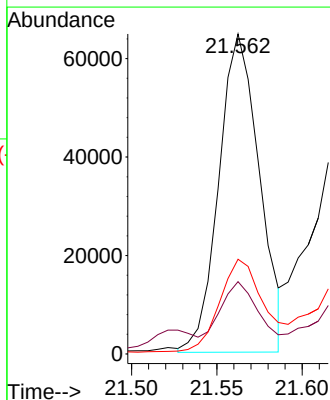
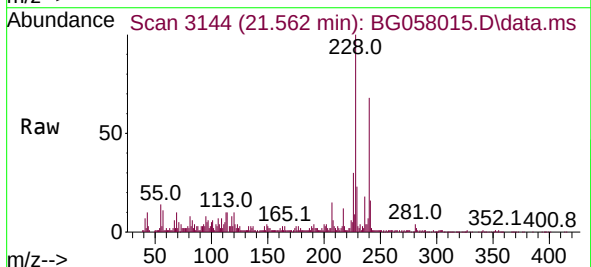
Manual Integrations
 APPROVED

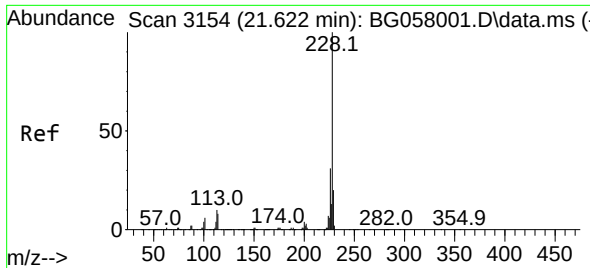
Reviewed By :Yogesh Patel 07/05/2023
 Supervised By :mohammad ahmed 07/05/2023



#85
 Benzo(a)anthracene
 Concen: 3.426 ng/ul
 RT: 21.562 min Scan# 3144
 Delta R.T. 0.014 min
 Lab File: BG058015.D
 Acq: 5 Jul 2023 11:04

Tgt Ion:228 Resp: 107089
 Ion Ratio Lower Upper
 228 100
 229 22.6 16.0 24.0
 226 29.6 22.0 33.0





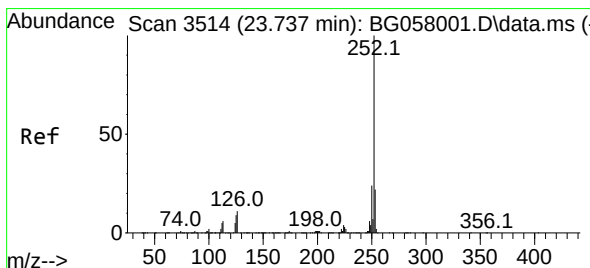
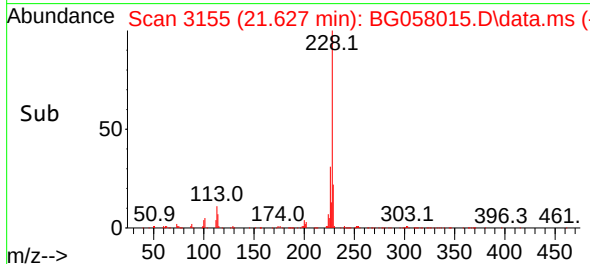
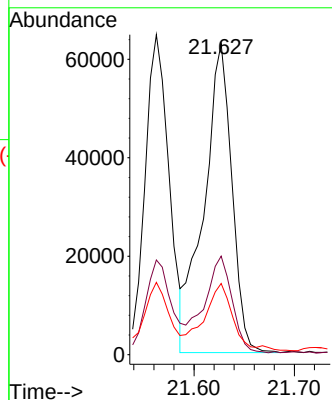
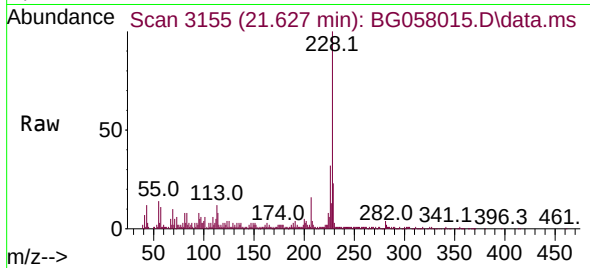
#87
Chrysene
Concen: 4.147 ng/ul
RT: 21.627 min Scan# 3154
Delta R.T. 0.014 min
Lab File: BG058015.D
Acq: 5 Jul 2023 11:04

Instrument :
BNA_G
ClientSampleId :
DCGN8

Tgt Ion:228 Resp: 12151
Ion Ratio Lower Upper
228 100
226 31.7 24.4 36.6
229 22.9 15.5 23.3

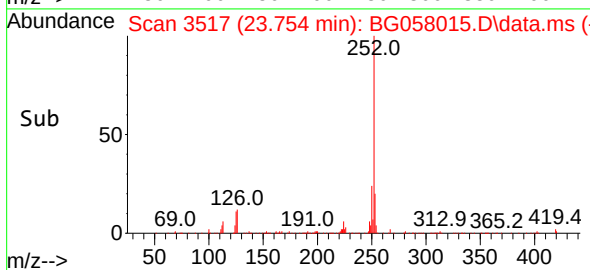
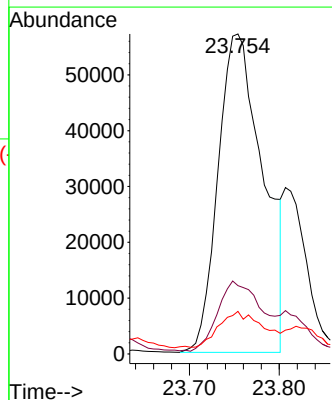
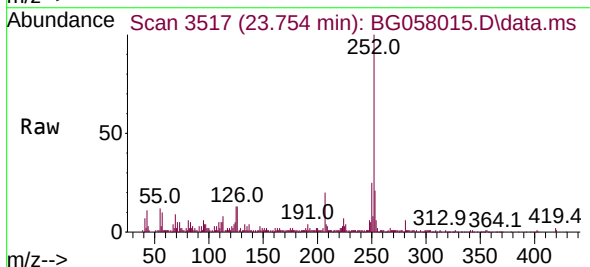
Manual Integrations
APPROVED

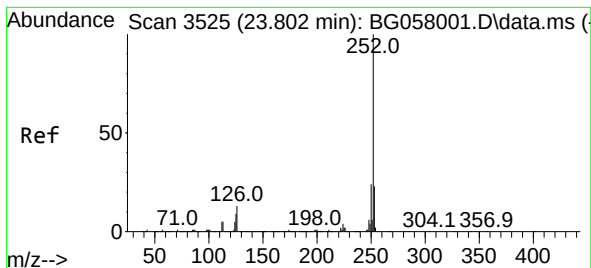
Reviewed By :Yogesh Patel 07/05/2023
Supervised By :mohammad ahmed 07/05/2023



#90
Benzo(b)fluoranthene
Concen: 6.218 ng/ul
RT: 23.754 min Scan# 3517
Delta R.T. 0.026 min
Lab File: BG058015.D
Acq: 5 Jul 2023 11:04

Tgt Ion:252 Resp: 198504
Ion Ratio Lower Upper
252 100
253 21.4 18.1 27.1
125 13.3 7.5 11.3#





#91

Benzo(k)fluoranthene

Concen: 1.720 ng/ul m

RT: 23.807 min Scan# 3

Delta R.T. 0.014 min

Lab File: BG058015.D

Acq: 5 Jul 2023 11:04

Instrument :

BNA_G

ClientSampleId :

DCGN8

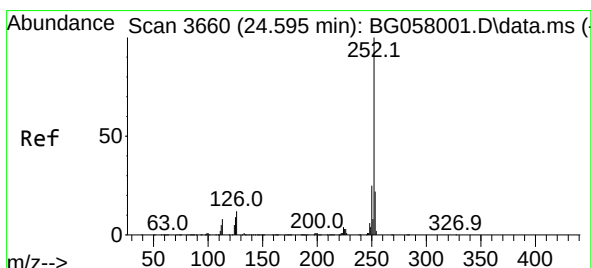
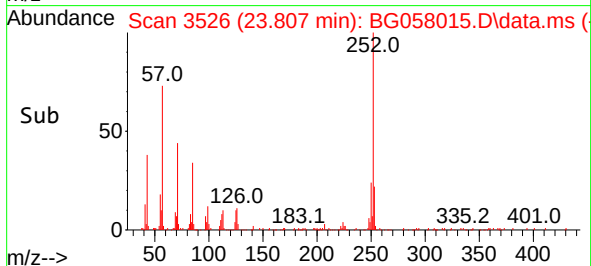
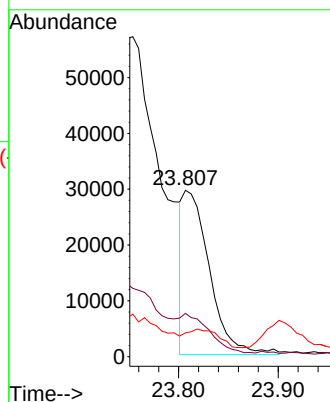
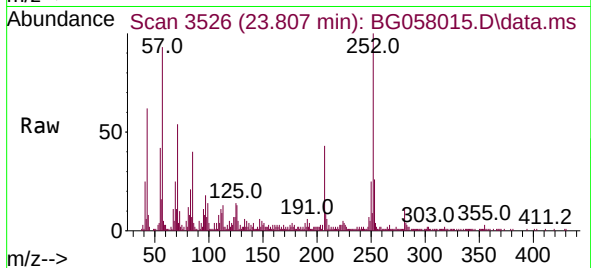
Tgt Ion:	252	Resp:	5382
Ion Ratio	Lower	Upper	
252	100		
253	26.0	17.7	26.5
125	14.4	7.4	11.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/05/2023

Supervised By :mohammad ahmed 07/05/2023



#93

Benzo(a)pyrene

Concen: 3.715 ng/ul

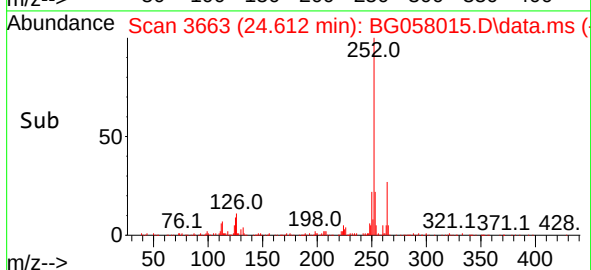
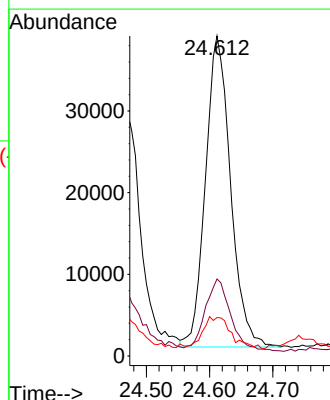
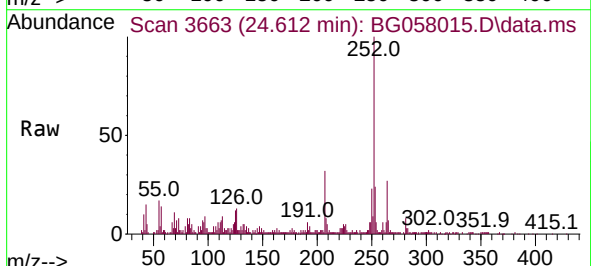
RT: 24.612 min Scan# 3663

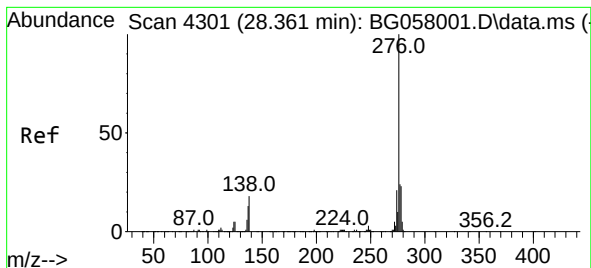
Delta R.T. 0.026 min

Lab File: BG058015.D

Acq: 5 Jul 2023 11:04

Tgt Ion:	252	Resp:	104973
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.8	26.6
125	12.0	8.3	12.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 2.077 ng/ul m

RT: 28.390 min Scan# 4

Delta R.T. 0.055 min

Lab File: BG058015.D

Acq: 5 Jul 2023 11:04

Instrument :

BNA_G

ClientSampleId :

DCGN8

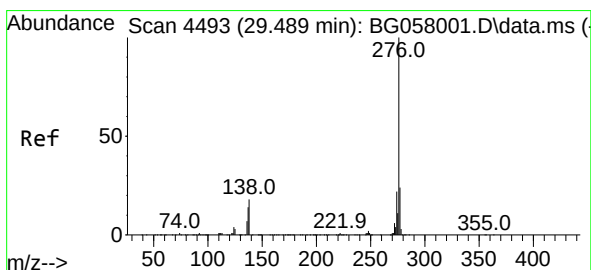
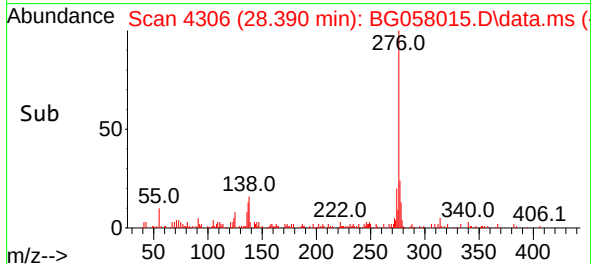
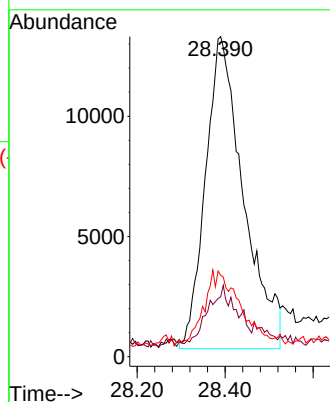
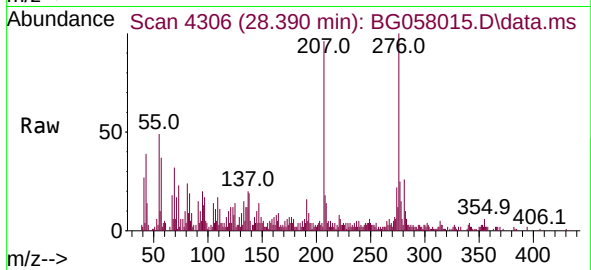
Tgt Ion:	276	Resp:	77929
Ion Ratio	Lower	Upper	
276	100		
138	18.7	14.0	21.0
277	25.5	19.4	29.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/05/2023

Supervised By :mohammad ahmed 07/05/2023



#96

Benzo(g,h,i)perylene

Concen: 1.912 ng/ul m

RT: 29.530 min Scan# 4500

Delta R.T. 0.061 min

Lab File: BG058015.D

Acq: 5 Jul 2023 11:04

Tgt Ion:	276	Resp:	58601
Ion Ratio	Lower	Upper	
276	100		
138	19.9	14.2	21.2
277	25.8	18.6	27.8

