

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121224\
 Data File : BG063664.D
 Acq On : 12 Dec 2024 12:41
 Operator : RC/JU
 Sample : P5153-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E28Q0

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/13/2024
 Supervised By :mohammad ahmed 12/13/2024

Quant Time: Dec 12 22:18:45 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 11 23:59:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.817	152	207246	20.000	ng/u1	0.00
20) Naphthalene-d8	10.602	136	811280	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.451	164	552656	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.206	188	1149825	20.000	ng/u1	0.00
79) Chrysene-d12	21.454	240	1108186	20.000	ng/u1	0.00
88) Perylene-d12	24.480	264	1261754	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.287	96	20875	3.947	ng/uL	0.01
4) Pyridine-d5	3.693	84	303640	18.200	ng/u1	0.00
7) Phenol-d5	6.995	99	420150	22.012	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.147	67	276351	20.963	ng/u1	0.00
11) 2-Chlorophenol-d4	7.353	132	279493	22.618	ng/u1	0.00
15) 4-Methylphenol-d8	8.528	113	248606	16.776	ng/u1	0.00
21) Nitrobenzene-d5	8.969	128	139026	24.001	ng/u1	0.00
24) 2-Nitrophenol-d4	9.686	143	160092	24.655	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.232	165	288796	22.972	ng/u1	0.00
31) 4-Chloroaniline-d4	10.737	131	239912	15.030	ng/u1	0.00
46) Dimethylphthalate-d6	13.857	166	911452	24.237	ng/u1	0.00
49) Acenaphthylene-d8	14.145	160	933366	21.773	ng/u1	0.00
54) 4-Nitrophenol-d4	14.680	143	81133m	15.227	ng/u1	0.00
60) Fluorene-d10	15.449	176	617941	18.585	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.584	200	38529	6.454	ng/u1	0.00
73) Anthracene-d10	17.300	188	960807	19.436	ng/u1	0.00
81) Pyrene-d10	19.603	212	963124	16.701	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.274	264	799333	13.490	ng/u1	0.00
Target Compounds						
					Qvalue	
8) Phenol	7.024	94	25088	1.233	ng/u1#	88
80) Fluoranthene	19.268	202	574029	8.758	ng/u1	99
82) Pyrene	19.633	202	564815	8.100	ng/u1	97
85) Benzo(a)anthracene	21.436	228	517414	7.450	ng/u1	98
87) Chrysene	21.501	228	398388m	6.019	ng/u1	
90) Benzo(b)fluoranthene	23.528	252	746262	10.406	ng/u1	99
91) Benzo(k)fluoranthene	23.587	252	240640m	3.364	ng/u1	
93) Benzo(a)pyrene	24.345	252	479094	7.118	ng/u1#	97
94) Indeno(1,2,3-cd)pyrene	27.876	276	319465m	3.886	ng/u1	
95) Dibenzo(a,h)anthracene	27.923	278	81110m	1.233	ng/u1	
96) Benzo(g,h,i)perylene	28.951	276	288909m	4.429	ng/u1	

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

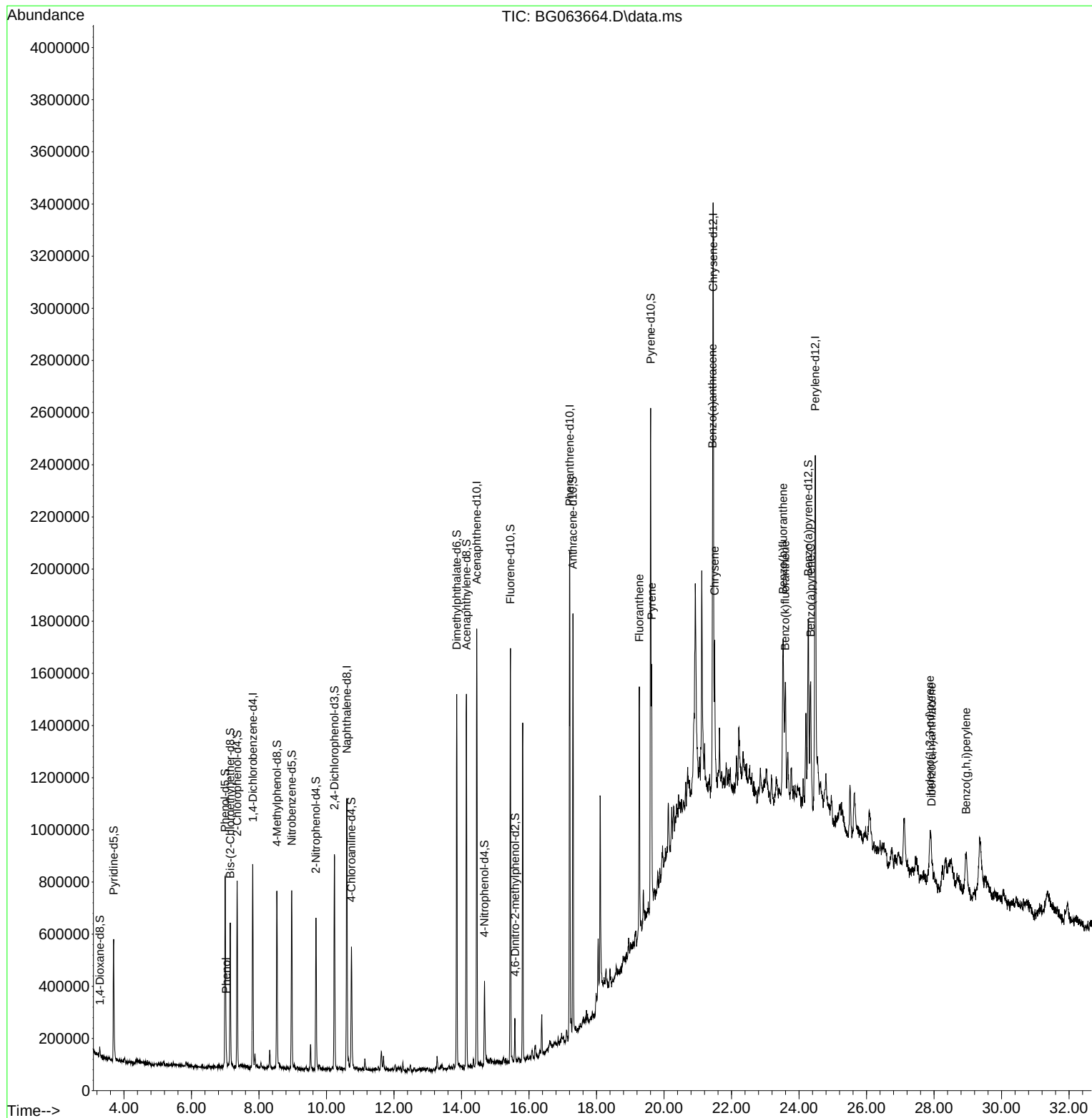
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121224\
 Data File : BG063664.D
 Acq On : 12 Dec 2024 12:41
 Operator : RC/JU
 Sample : P5153-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

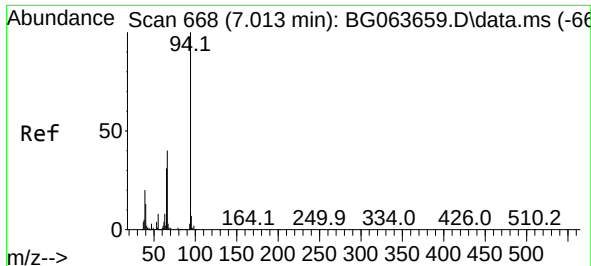
Instrument :
 BNA_G
 ClientSampleId :
 E28Q0

Quant Time: Dec 12 22:18:45 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 11 23:59:23 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/13/2024
 Supervised By :mohammad ahmed 12/13/2024





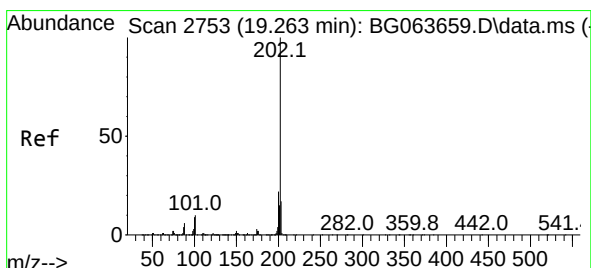
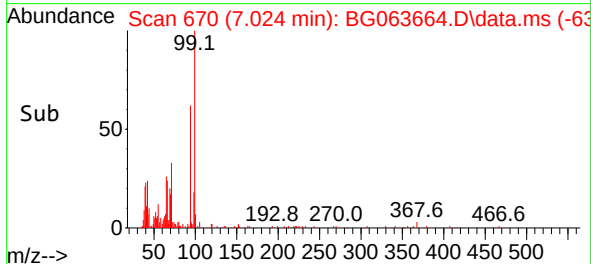
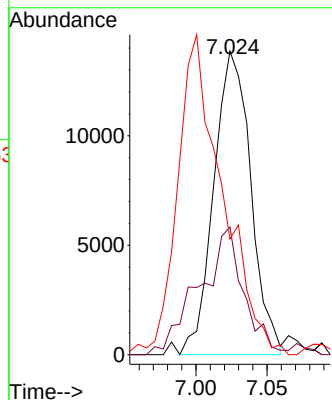
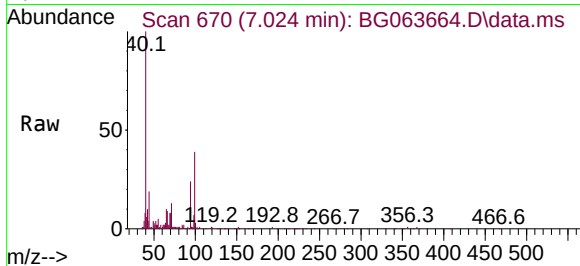
#8
Phenol
Concen: 1.233 ng/ul
RT: 7.024 min Scan# 61
Delta R.T. 0.005 min
Lab File: BG063664.D
Acq: 12 Dec 2024 12:41

Instrument :
BNA_G
ClientSampleId :
E28Q0

Tgt Ion: 94 Resp: 2508
Ion Ratio Lower Upper
94 100
65 42.1 25.6 38.4
66 38.1 34.2 51.2

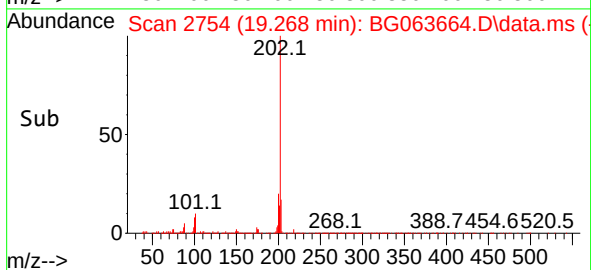
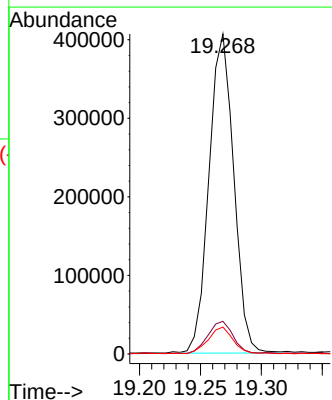
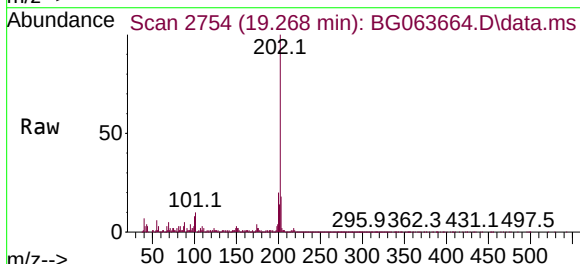
Manual Integrations
APPROVED

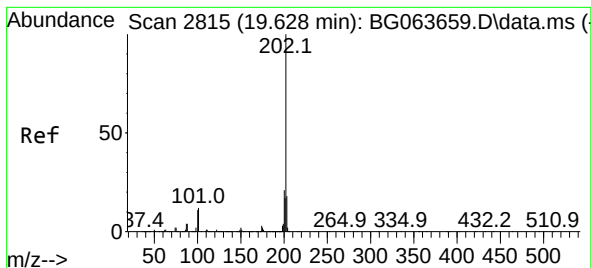
Reviewed By :Yogesh Patel 12/13/2024
Supervised By :mohammad ahmed 12/13/2024



#80
Fluoranthene
Concen: 8.758 ng/ul
RT: 19.268 min Scan# 2754
Delta R.T. -0.001 min
Lab File: BG063664.D
Acq: 12 Dec 2024 12:41

Tgt Ion:202 Resp: 574029
Ion Ratio Lower Upper
202 100
101 10.2 8.1 12.1
100 8.4 6.5 9.7





#82

Pyrene

Concen: 8.100 ng/ul

RT: 19.633 min Scan# 2

Delta R.T. -0.001 min

Lab File: BG063664.D

Acq: 12 Dec 2024 12:41

Instrument :

BNA_G

ClientSampleId :

E28Q0

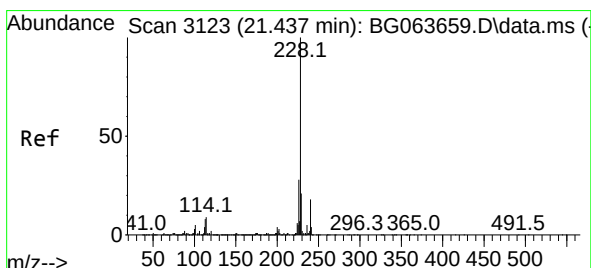
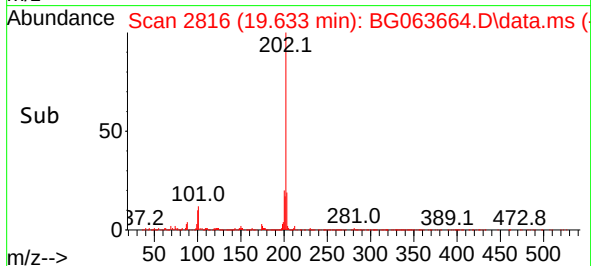
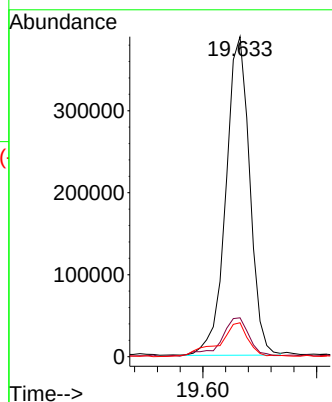
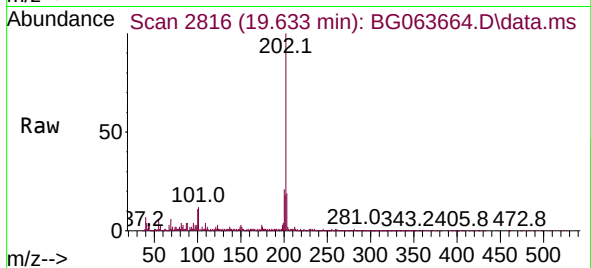
Tgt Ion:	202	Resp:	56481
Ion Ratio	Lower	Upper	
202	100		
101	12.2	8.7	13.1
100	10.6	7.8	11.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/13/2024

Supervised By :mohammad ahmed 12/13/2024



#85

Benzo(a)anthracene

Concen: 7.450 ng/ul

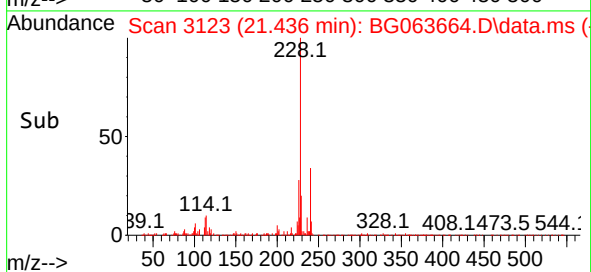
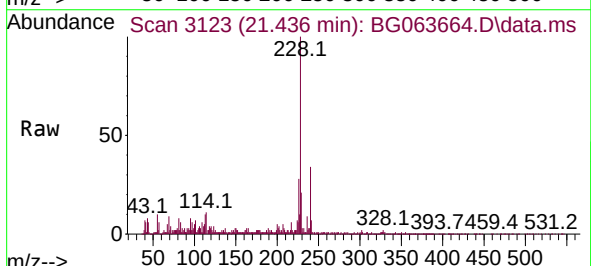
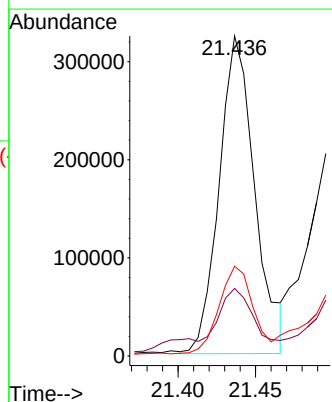
RT: 21.436 min Scan# 3123

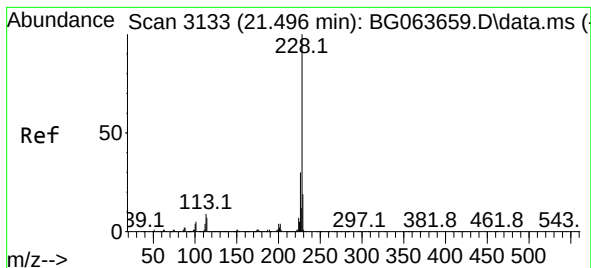
Delta R.T. -0.006 min

Lab File: BG063664.D

Acq: 12 Dec 2024 12:41

Tgt Ion:	228	Resp:	517414
Ion Ratio	Lower	Upper	
228	100		
229	21.1	15.7	23.5
226	28.0	22.0	33.0





#87

Chrysene

Concen: 6.019 ng/ul m

RT: 21.501 min Scan# 3133

Delta R.T. -0.001 min

Lab File: BG063664.D

Acq: 12 Dec 2024 12:41

Instrument :

BNA_G

ClientSampleId :

E28Q0

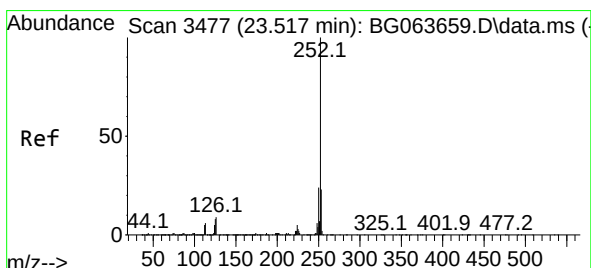
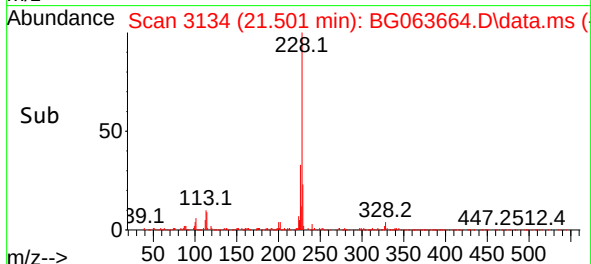
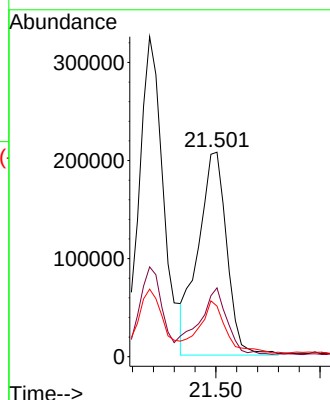
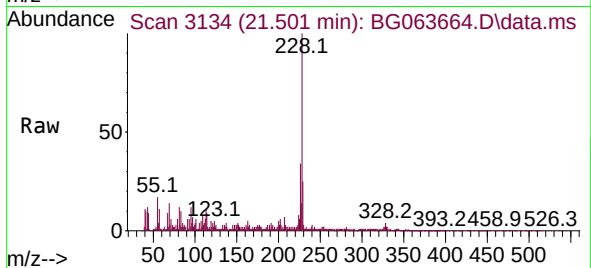
Tgt Ion:228	Resp: 398388
Ion Ratio	Lower Upper
228 100	
226 33.7	23.4 35.0
229 24.7	14.8 22.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/13/2024

Supervised By :mohammad ahmed 12/13/2024



#90

Benzo(b)fluoranthene

Concen: 10.406 ng/ul

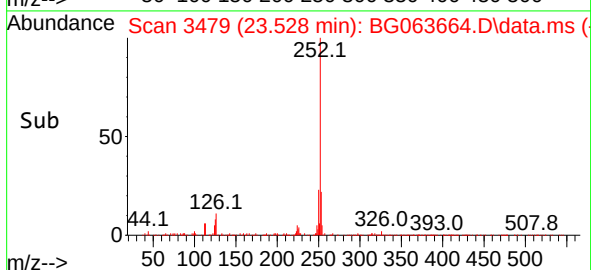
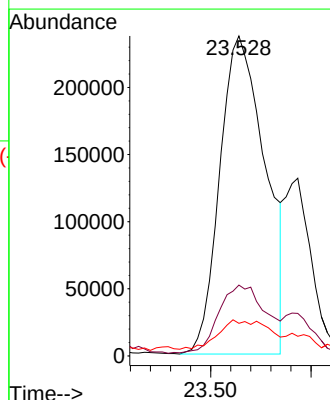
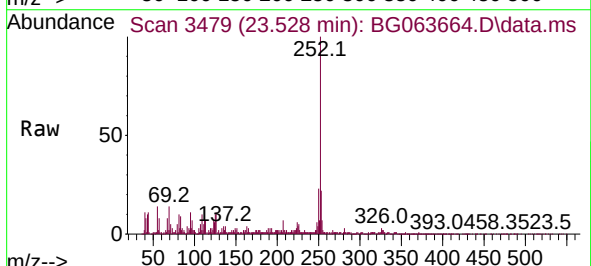
RT: 23.528 min Scan# 3479

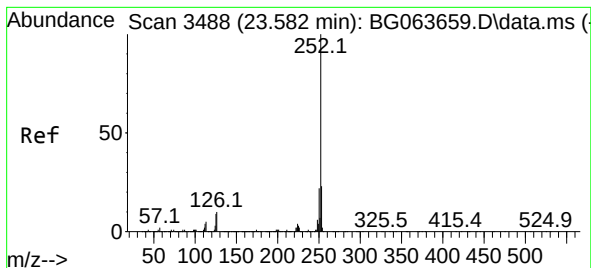
Delta R.T. 0.005 min

Lab File: BG063664.D

Acq: 12 Dec 2024 12:41

Tgt Ion:252	Resp: 746262
Ion Ratio	Lower Upper
252 100	
253 22.2	17.7 26.5
125 10.2	7.0 10.4





#91

Benzo(k)fluoranthene

Concen: 3.364 ng/ul m

RT: 23.587 min Scan# 3488

Delta R.T. -0.001 min

Lab File: BG063664.D

Acq: 12 Dec 2024 12:41

Instrument :

BNA_G

ClientSampleId :

E28Q0

Tgt Ion:252 Resp: 240640

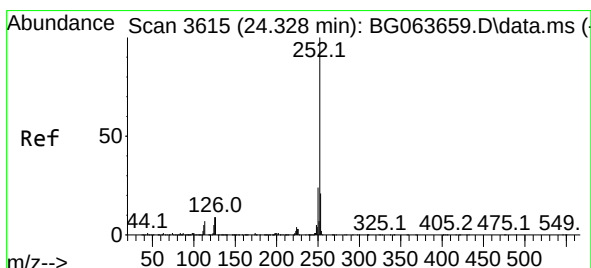
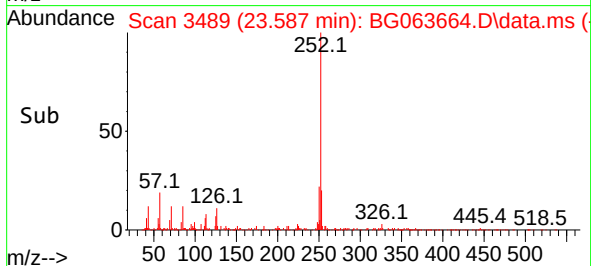
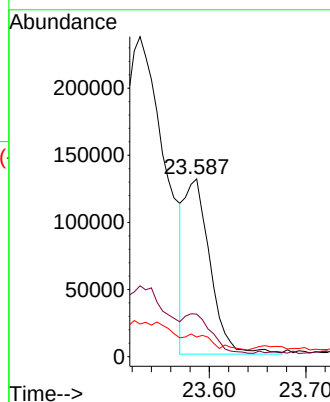
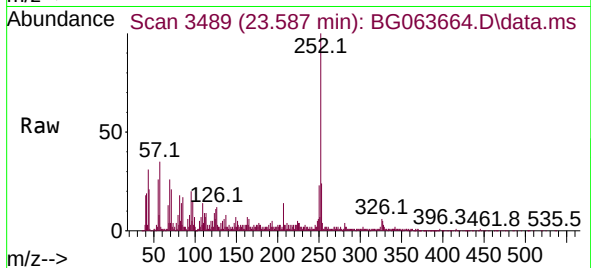
Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.7	26.5
125	11.0	6.5	9.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/13/2024

Supervised By :mohammad ahmed 12/13/2024



#93

Benzo(a)pyrene

Concen: 7.118 ng/ul

RT: 24.345 min Scan# 3618

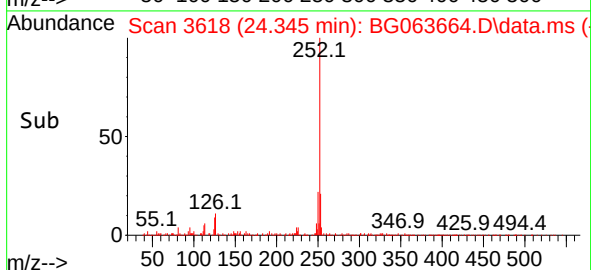
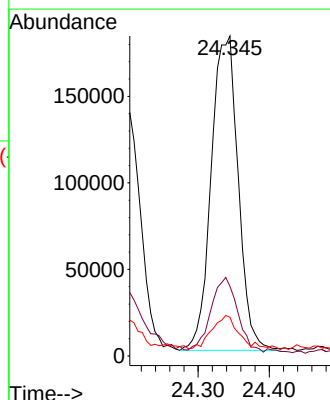
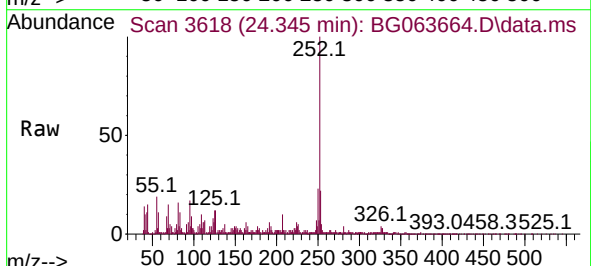
Delta R.T. 0.005 min

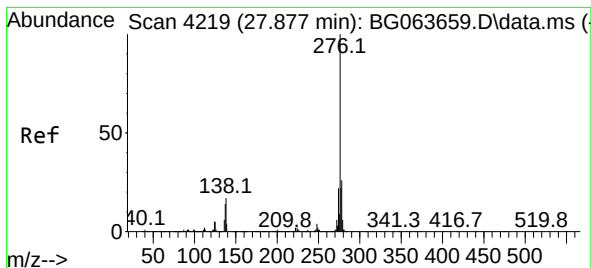
Lab File: BG063664.D

Acq: 12 Dec 2024 12:41

Tgt Ion:252 Resp: 479094

Ion	Ratio	Lower	Upper
252	100		
253	21.8	16.6	24.8
125	12.1	8.0	12.0





#94

Indeno(1,2,3-cd)pyrene

Concen: 3.886 ng/ul m

RT: 27.876 min Scan# 4219

Delta R.T. -0.012 min

Lab File: BG063664.D

Acq: 12 Dec 2024 12:41

Instrument :

BNA_G

ClientSampleId :

E28Q0

Tgt Ion:276 Resp: 31946

Ion Ratio Lower Upper

276 100

138 15.9 13.7 20.5

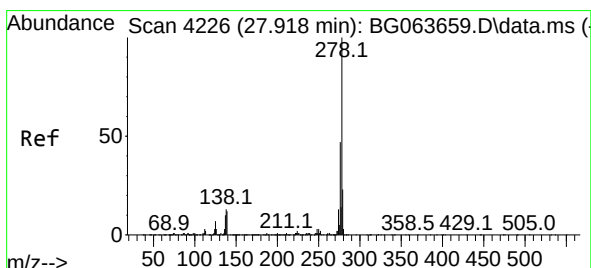
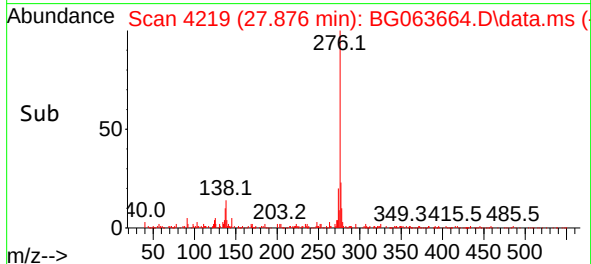
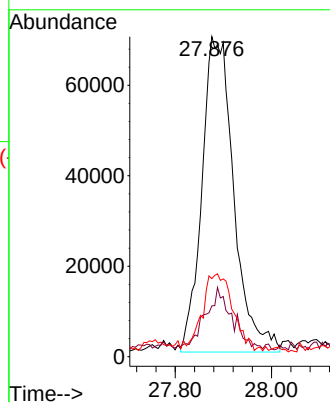
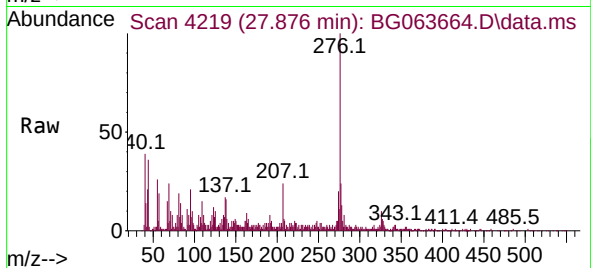
277 24.4 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/13/2024

Supervised By :mohammad ahmed 12/13/2024



#95

Dibenzo(a,h)anthracene

Concen: 1.233 ng/ul m

RT: 27.923 min Scan# 4227

Delta R.T. -0.012 min

Lab File: BG063664.D

Acq: 12 Dec 2024 12:41

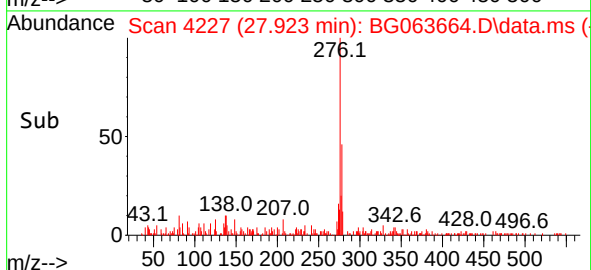
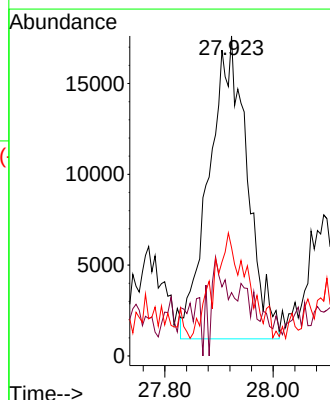
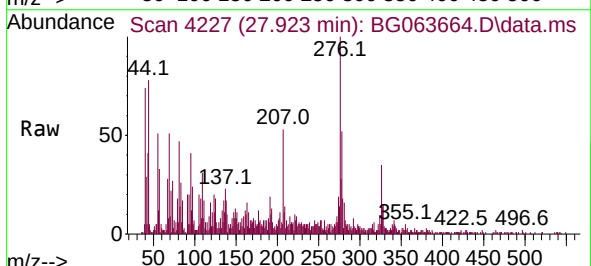
Tgt Ion:278 Resp: 81110

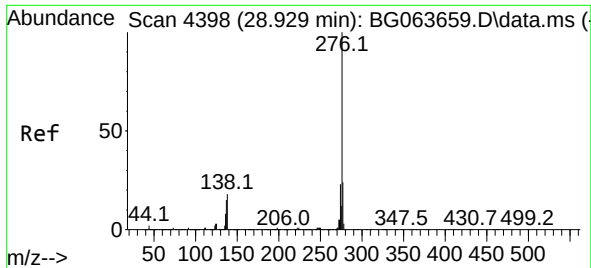
Ion Ratio Lower Upper

278 100

139 19.8 9.7 14.5#

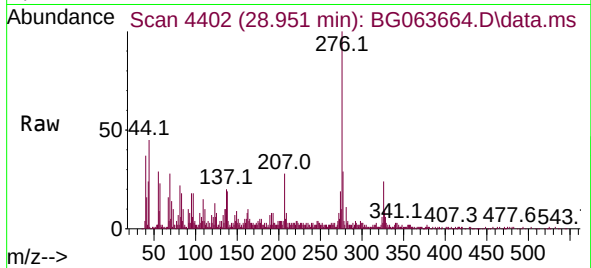
279 33.8 17.3 25.9#





#96
 Benzo(g,h,i)perylene
 Concen: 4.429 ng/ul m
 RT: 28.951 min Scan# 44
 Delta R.T. 0.011 min
 Lab File: BG063664.D
 Acq: 12 Dec 2024 12:41

Instrument :
 BNA_G
 ClientSampleId :
 E28Q0



Tgt Ion: 276 Resp: 288909
 Ion Ratio Lower Upper
 276 100
 138 18.7 13.8 20.8
 277 28.7 17.8 26.8

Manual Integrations
 APPROVED

Reviewed By : Yogesh Patel 12/13/2024
 Supervised By : mohammad ahmed 12/13/2024

