

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050123\
 Data File : BG057248.D
 Acq On : 1 May 2023 12:01
 Operator : CG/JU
 Sample : 02418-28 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW902

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 05/02/2023
 Supervised By :Jagrut Upadhyay 05/02/2023

Supervised By :Jagrut
 Upadhyay
 05/02/2023

Quant Time: May 01 22:52:06 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 01 12:45:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.379	152	15841	20.000	ng/u1	0.00
20) Naphthalene-d8	11.222	136	67040	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.994	164	51873	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.731	188	116995	20.000	ng/u1	0.00
79) Chrysene-d12	22.049	240	102529	20.000	ng/u1	# 0.00
88) Perylene-d12	25.573	264	109611	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.000	96	0	0.000	ng/uL	
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.521	99	4009	2.676	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.686	67	2966	3.366	ng/u1	0.00
11) 2-Chlorophenol-d4	7.909	132	3238	3.280	ng/u1	0.00
15) 4-Methylphenol-d8	9.084	113	3187	2.799	ng/u1	0.00
21) Nitrobenzene-d5	9.554	128	1926	3.608	ng/u1	0.00
24) 2-Nitrophenol-d4	10.288	143	2078	3.335	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.840	165	3839	3.194	ng/u1	0.00
31) 4-Chloroaniline-d4	11.357	131	976	0.613	ng/u1	0.00
46) Dimethylphthalate-d6	14.377	166	14876	3.619	ng/u1	0.00
49) Acenaphthylene-d8	14.694	160	17790	3.851	ng/u1	0.00
54) 4-Nitrophenol-d4	15.199	143	1006	1.681	ng/u1	0.02
60) Fluorene-d10	15.975	176	14305	3.736	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.092	200	1060	1.529	ng/u1	0.00
73) Anthracene-d10	17.831	188	23128	4.331	ng/u1	0.00
81) Pyrene-d10	20.098	212	25783	4.237	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.327	264	23223	4.159	ng/u1	0.00
Target Compounds						
					Qvalue	
52) Acenaphthene	15.064	153	3518	1.052	ng/u1#	87
61) Fluorene	16.033	166	5542	1.357	ng/u1	88
72) Phenanthrene	17.778	178	138262	22.694	ng/u1	98
74) Anthracene	17.866	178	32924	5.380	ng/u1	99
77) Carbazole	18.131	167	7293	1.426	ng/u1	98
80) Fluoranthene	19.769	202	674408	93.289	ng/u1	97
82) Pyrene	20.134	202	563706	77.026	ng/u1	97
85) Benzo(a)anthracene	22.031	228	336247	46.370	ng/u1	99
87) Chrysene	22.102	228	347949	50.859	ng/u1	96
90) Benzo(b)fluoranthene	24.445	252	487408	64.213	ng/u1#	97
91) Benzo(k)fluoranthene	24.510	252	167470m	22.678	ng/u1	
93) Benzo(a)pyrene	25.409	252	308117	47.019	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	29.638	276	230166	28.098	ng/u1	98
95) Dibenzo(a,h)anthracene	29.680	278	61931m	9.118	ng/u1	
96) Benzo(g,h,i)perylene	30.919	276	185231	27.940	ng/u1	97

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050123\
Data File : BG057248.D
Acq On : 1 May 2023 12:01
Operator : CG/JU
Sample : 02418-28 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

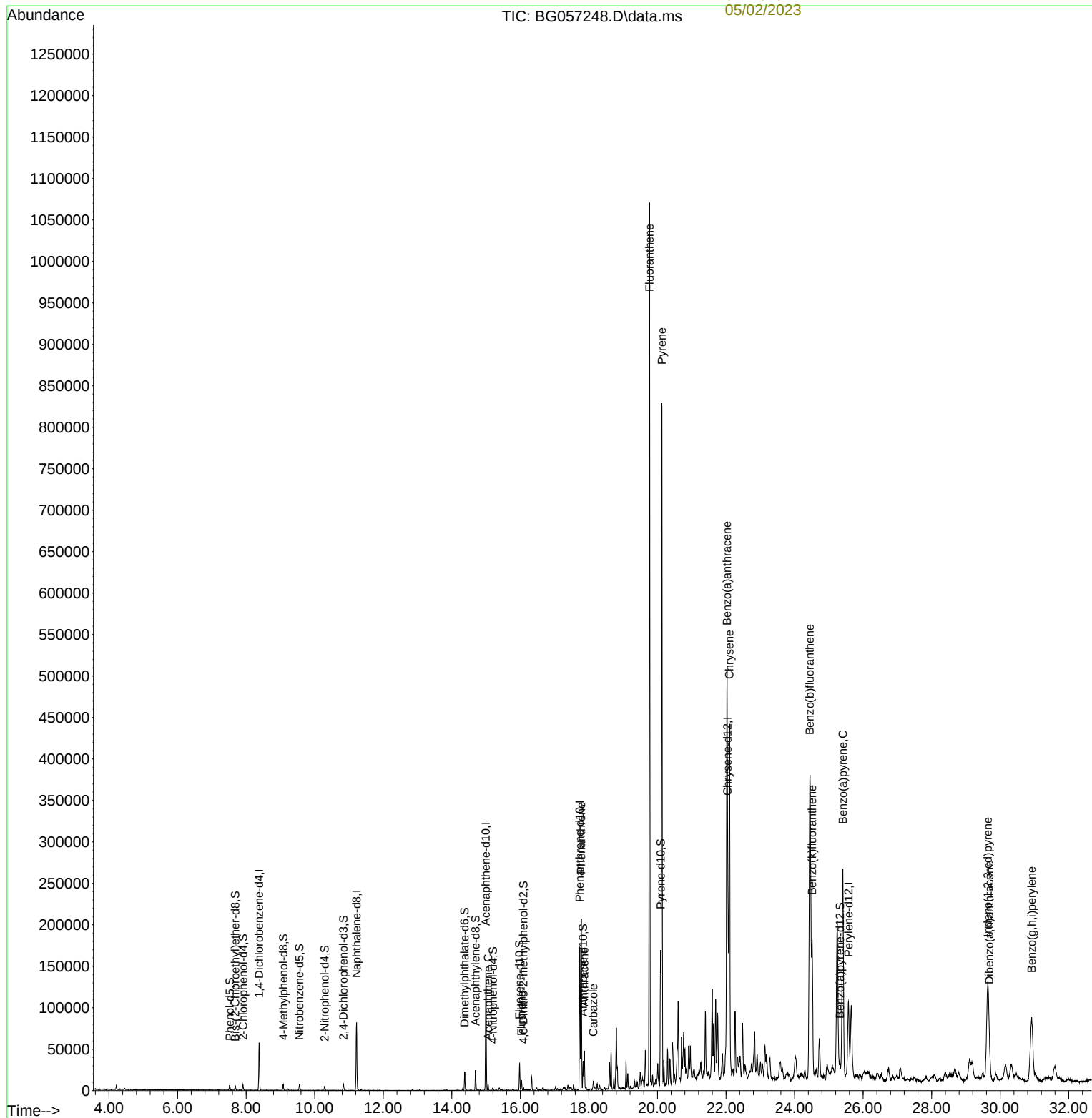
Instrument :
BNA_G
ClientSampleId :
EW902

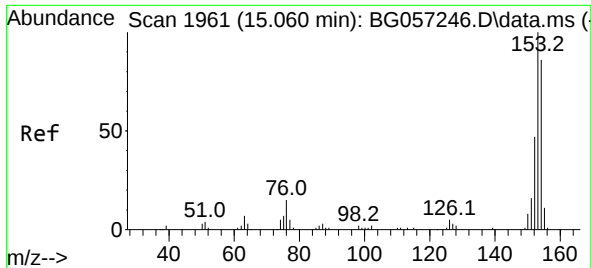
Quant Time: May 01 22:52:06 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon May 01 12:45:38 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 05/02/2023
Supervised By : Jagrut Upadhyay 05/02/2023

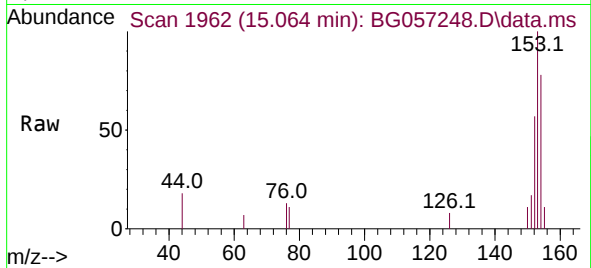
Supervised By : Jagrut
Upadhyay
05/02/2023





#52
Acenaphthene
Concen: 1.052 ng/u1
RT: 15.064 min Scan# 1961
Delta R.T. 0.004 min
Lab File: BG057248.D
Acq: 1 May 2023 12:01

Instrument :
BNA_G
ClientSampleId :
EW902

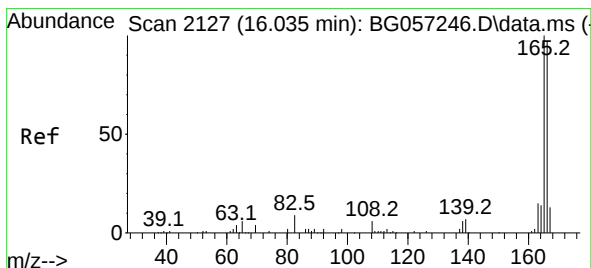
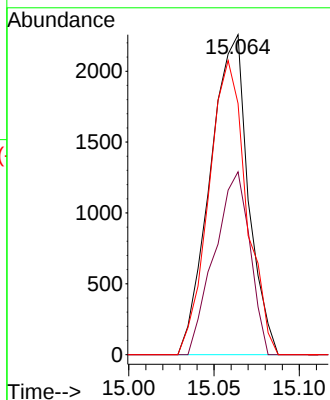


Tgt Ion:153 Resp: 3518
Ion Ratio Lower Upper
153 100
152 57.1 36.5 54.7
154 78.5 70.6 106.0

Manual Integrations
APPROVED

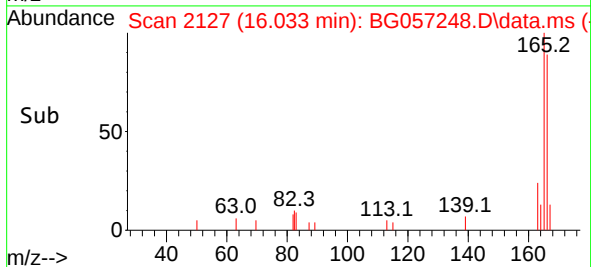
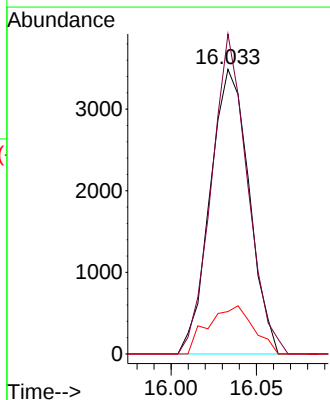
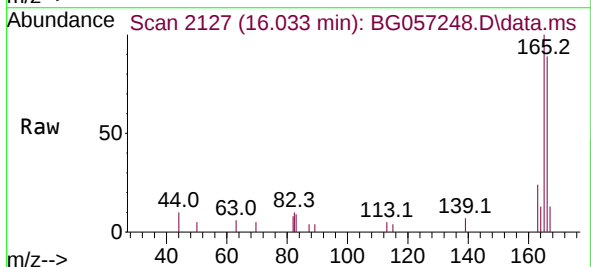
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023

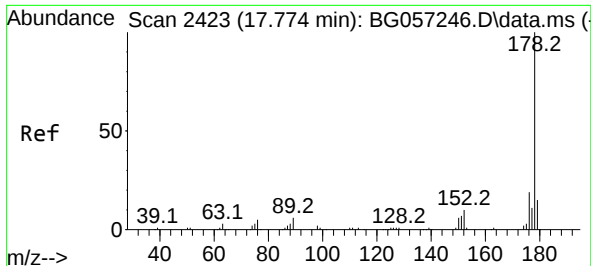
Supervised By :Jagrut
Upadhyay
05/02/2023



#61
Fluorene
Concen: 1.357 ng/u1
RT: 16.033 min Scan# 2127
Delta R.T. -0.002 min
Lab File: BG057248.D
Acq: 1 May 2023 12:01

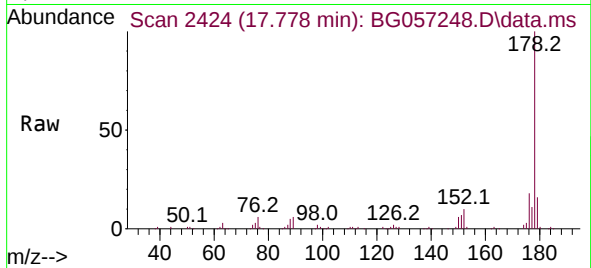
Tgt Ion:166 Resp: 5542
Ion Ratio Lower Upper
166 100
165 112.4 80.1 120.1
167 14.9 10.2 15.4





#72
Phenanthrene
Concen: 22.694 ng/uI
RT: 17.778 min Scan# 2423
Delta R.T. 0.004 min
Lab File: BG057248.D
Acq: 1 May 2023 12:01

Instrument :
BNA_G
ClientSampleId :
EW902

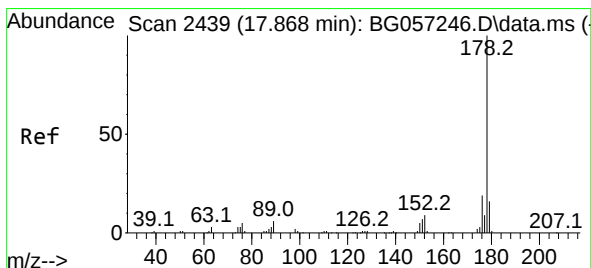
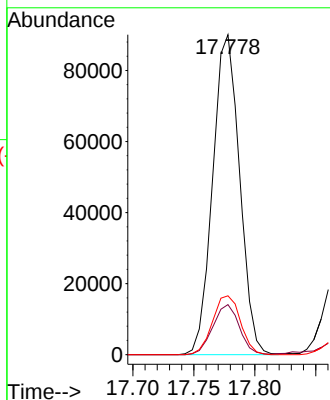


Tgt Ion:178 Resp: 138262
Ion Ratio Lower Upper
178 100
179 15.7 11.8 17.8
176 18.4 15.4 23.0

Manual Integrations
APPROVED

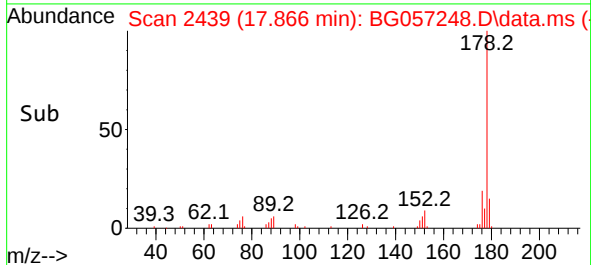
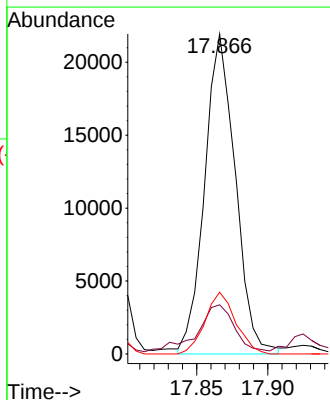
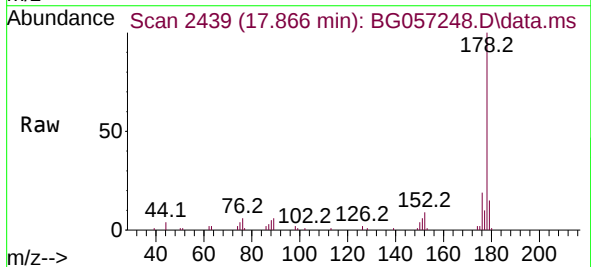
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023

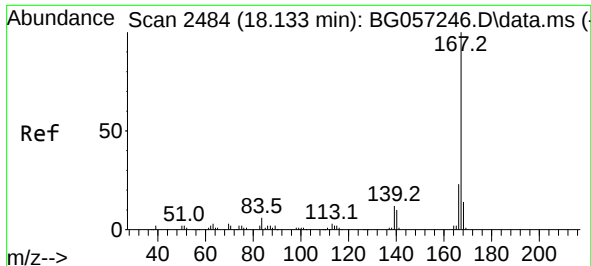
Supervised By :Jagrut
Upadhyay
05/02/2023



#74
Anthracene
Concen: 5.380 ng/uI
RT: 17.866 min Scan# 2439
Delta R.T. -0.002 min
Lab File: BG057248.D
Acq: 1 May 2023 12:01

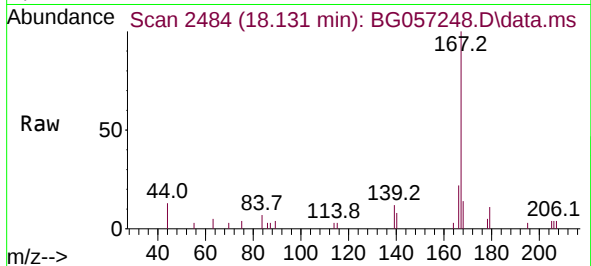
Tgt Ion:178 Resp: 32924
Ion Ratio Lower Upper
178 100
179 15.3 12.5 18.7
176 19.3 14.7 22.1





#77
 Carbazole
 Concen: 1.426 ng/ul
 RT: 18.131 min Scan# 2484
 Delta R.T. -0.002 min
 Lab File: BG057248.D
 Acq: 1 May 2023 12:01

Instrument :
 BNA_G
 ClientSampleId :
 EW902

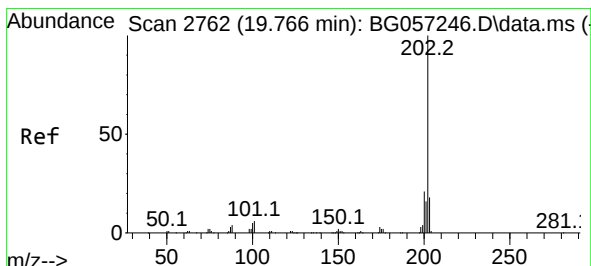
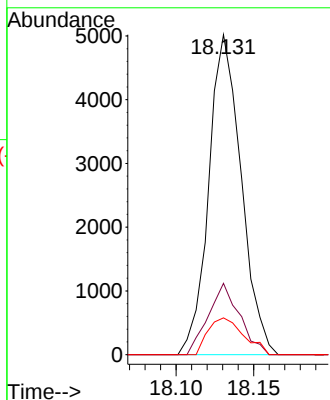
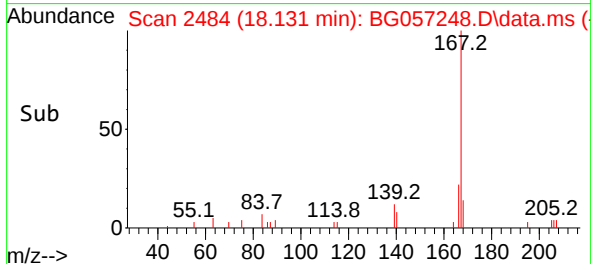


Tgt Ion:167 Resp: 729
 Ion Ratio Lower Upper
 167 100
 166 22.3 18.0 27.0
 139 11.5 10.3 15.5

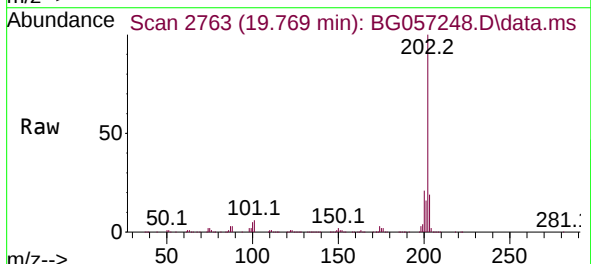
Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 05/02/2023
 Supervised By :Jagrut Upadhyay 05/02/2023

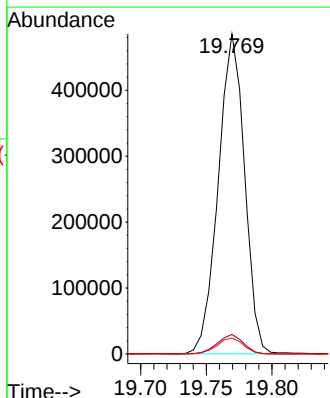
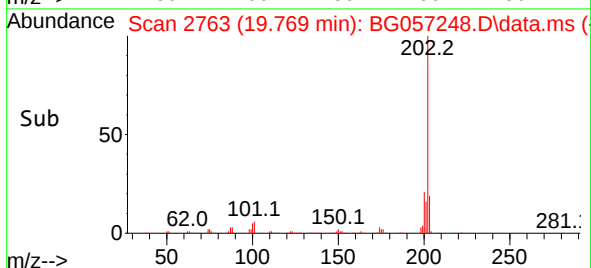
Supervised By :Jagrut
 Upadhyay
 05/02/2023

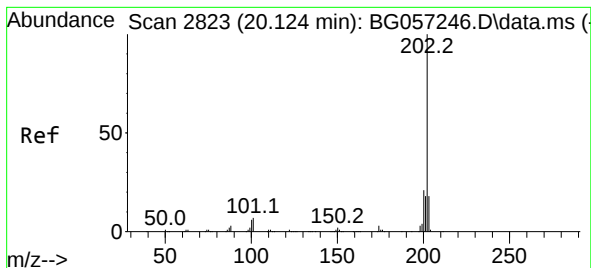


#80
 Fluoranthene
 Concen: 93.289 ng/ul
 RT: 19.769 min Scan# 2763
 Delta R.T. 0.004 min
 Lab File: BG057248.D
 Acq: 1 May 2023 12:01



Tgt Ion:202 Resp: 674408
 Ion Ratio Lower Upper
 202 100
 101 6.1 5.8 8.6
 100 5.0 4.6 7.0





#82

Pyrene

Concen: 77.026 ng/ul

RT: 20.134 min Scan# 20134

Delta R.T. 0.010 min

Lab File: BG057248.D

Acq: 1 May 2023 12:01

Instrument :

BNA_G

ClientSampleId :

EW902

Tgt Ion:202 Resp: 563700

Ion Ratio Lower Upper

202 100

101 6.2 5.7 8.5

100 6.1 6.0 9.0

Manual Integrations

APPROVED

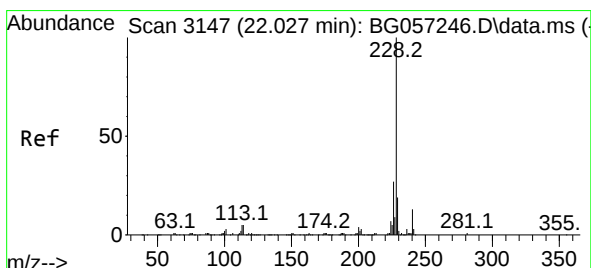
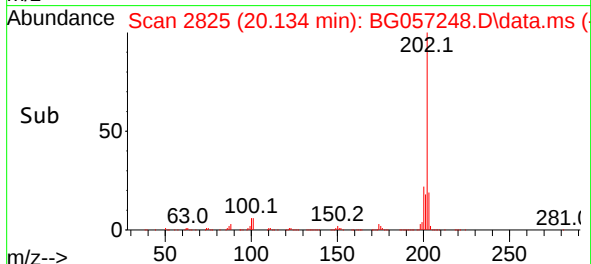
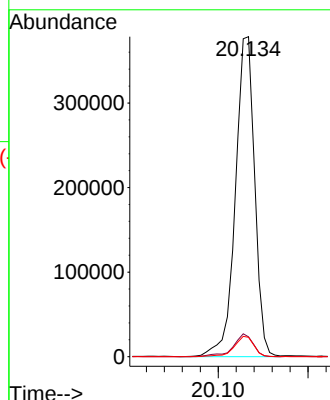
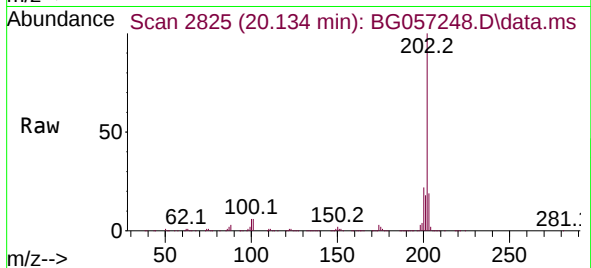
Reviewed By :Christian Giraldo 05/02/2023

Supervised By :Jagrut Upadhyay 05/02/2023

Supervised By :Jagrut

Upadhyay

05/02/2023



#85

Benzo(a)anthracene

Concen: 46.370 ng/ul

RT: 22.031 min Scan# 3148

Delta R.T. 0.004 min

Lab File: BG057248.D

Acq: 1 May 2023 12:01

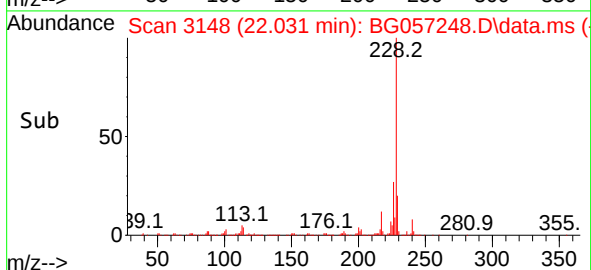
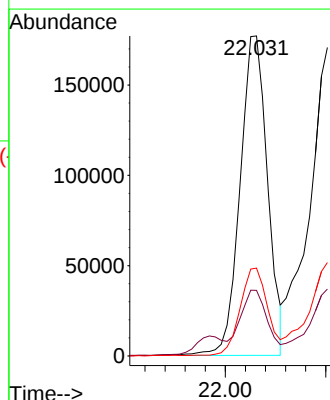
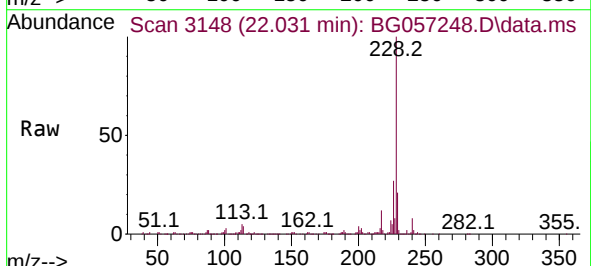
Tgt Ion:228 Resp: 336247

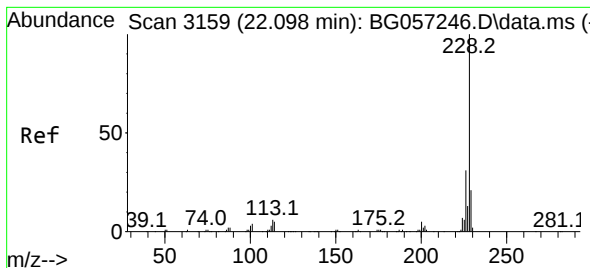
Ion Ratio Lower Upper

228 100

229 20.5 15.8 23.6

226 27.4 21.7 32.5





#87

Chrysene

Concen: 50.859 ng/u1

RT: 22.102 min Scan# 3160

Delta R.T. 0.004 min

Lab File: BG057248.D

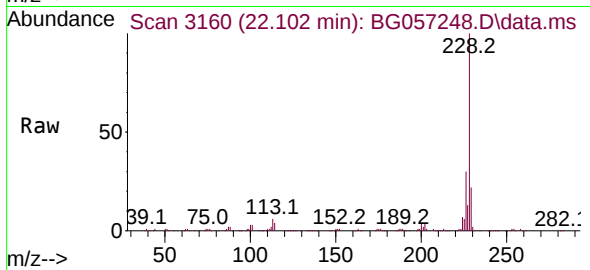
Acq: 1 May 2023 12:01

Instrument :

BNA_G

ClientSampleId :

EW902



Tgt Ion:228 Resp: 347949

Ion Ratio Lower Upper

228 100

226 30.3 22.8 34.2

229 21.7 15.5 23.3

Manual Integrations

APPROVED

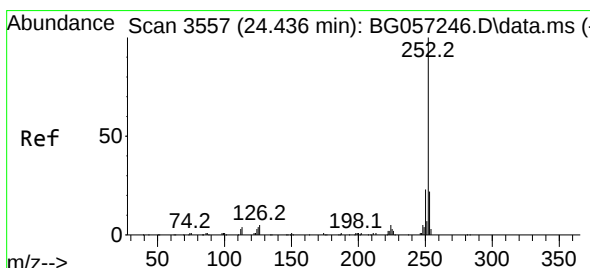
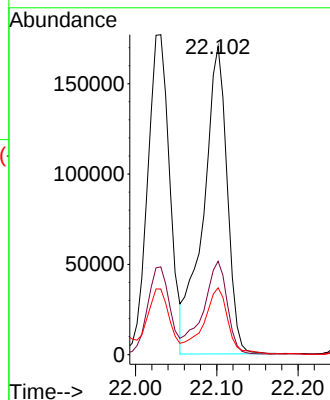
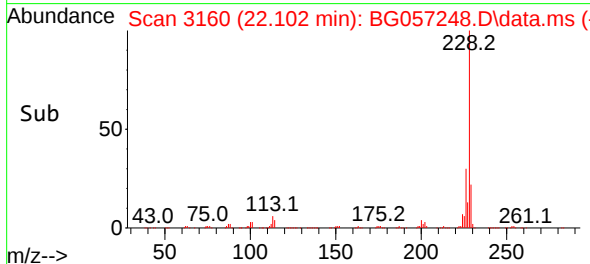
Reviewed By :Christian Giraldo 05/02/2023

Supervised By :Jagrut Upadhyay 05/02/2023

Supervised By :Jagrut

Upadhyay

05/02/2023



#90

Benzo(b)fluoranthene

Concen: 64.213 ng/u1

RT: 24.445 min Scan# 3559

Delta R.T. 0.010 min

Lab File: BG057248.D

Acq: 1 May 2023 12:01

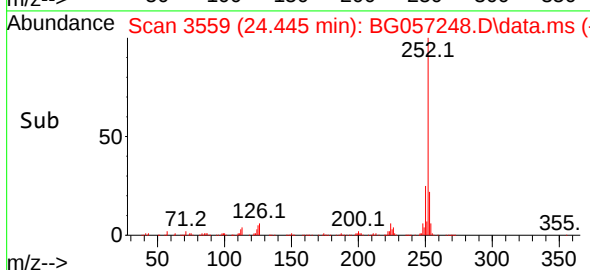
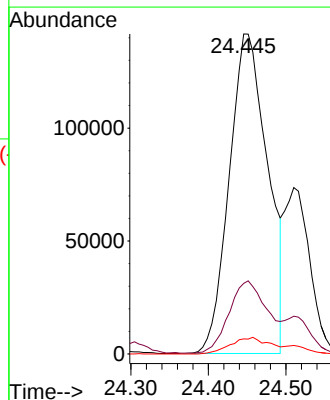
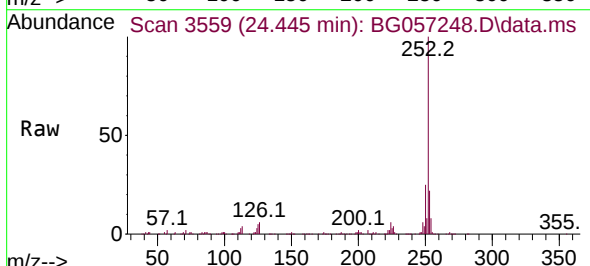
Tgt Ion:252 Resp: 487408

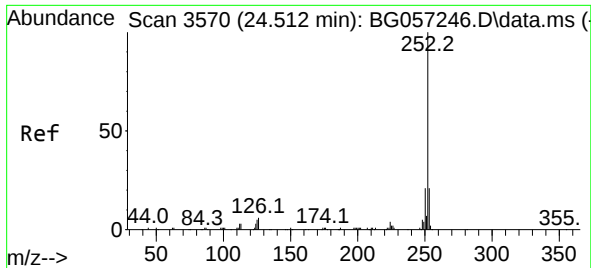
Ion Ratio Lower Upper

252 100

253 22.1 16.7 25.1

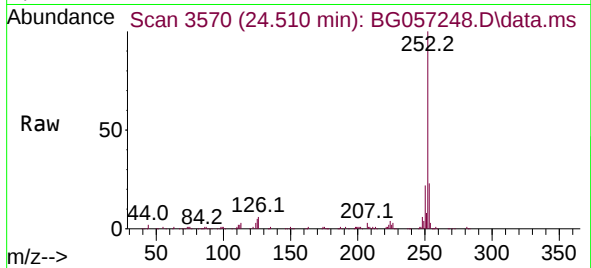
125 4.7 4.8 7.2#





#91
Benzo(k)fluoranthene
Concen: 22.678 ng/ul m
RT: 24.510 min Scan# 3
Delta R.T. -0.002 min
Lab File: BG057248.D
Acq: 1 May 2023 12:01

Instrument :
BNA_G
ClientSampleId :
EW902

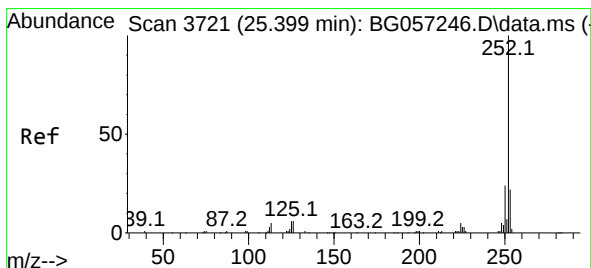
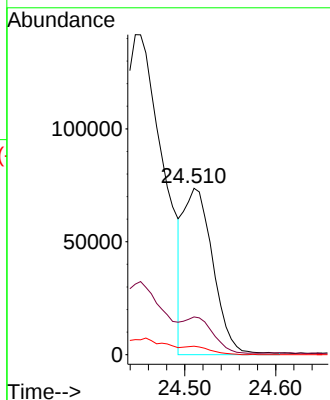
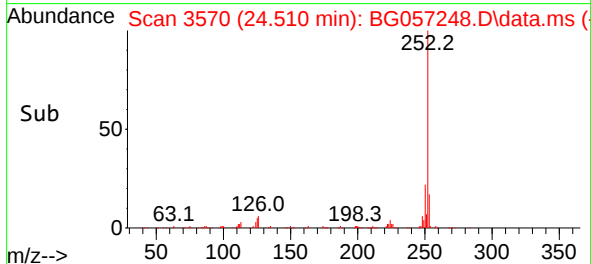


Tgt Ion:252 Resp: 167470
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 5.1 4.5 6.7

Manual Integrations
APPROVED

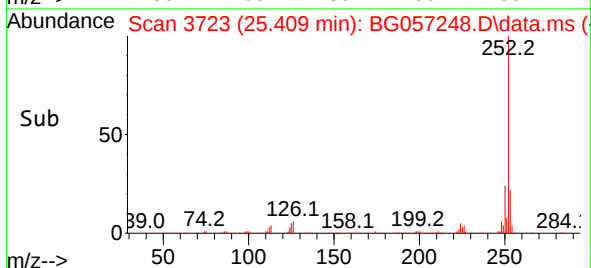
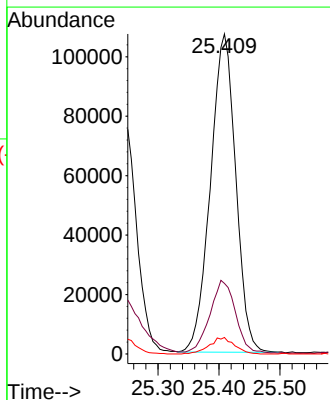
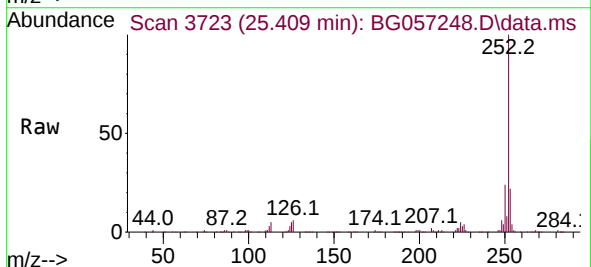
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023

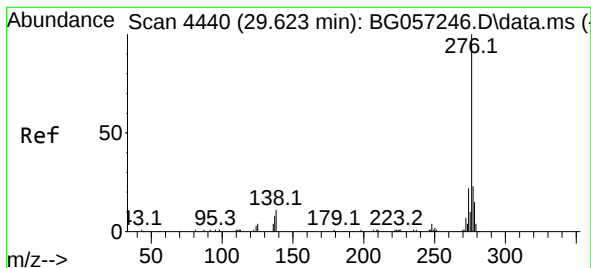
Supervised By :Jagrut
Upadhyay
05/02/2023



#93
Benzo(a)pyrene
Concen: 47.019 ng/ul
RT: 25.409 min Scan# 3723
Delta R.T. 0.010 min
Lab File: BG057248.D
Acq: 1 May 2023 12:01

Tgt Ion:252 Resp: 308117
Ion Ratio Lower Upper
252 100
253 22.1 17.2 25.8
125 5.2 5.1 7.7





#94

Indeno(1,2,3-cd)pyrene

Concen: 28.098 ng/ul

RT: 29.638 min Scan# 4443

Delta R.T. 0.015 min

Lab File: BG057248.D

Acq: 1 May 2023 12:01

Instrument :

BNA_G

ClientSampleId :

EW902

Tgt Ion:276 Resp: 23016

Ion Ratio Lower Upper

276 100

138 11.2 9.4 14.2

277 24.6 18.6 28.0

Manual Integrations

APPROVED

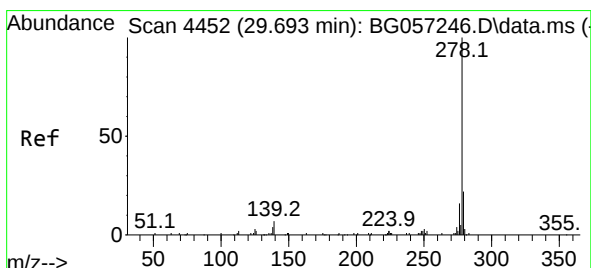
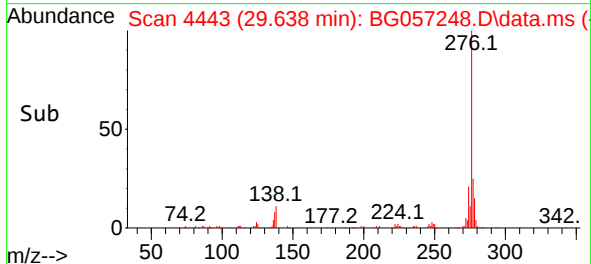
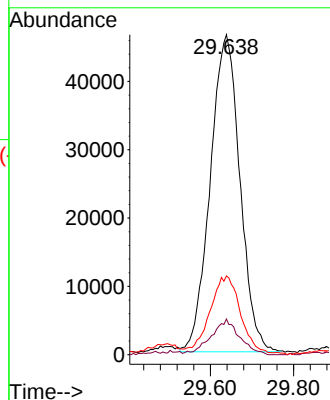
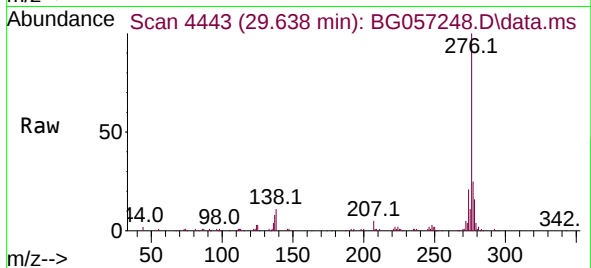
Reviewed By :Christian Giraldo 05/02/2023

Supervised By :Jagrut Upadhyay 05/02/2023

Supervised By :Jagrut

Upadhyay

05/02/2023



#95

Dibenzo(a,h)anthracene

Concen: 9.118 ng/ul m

RT: 29.680 min Scan# 4450

Delta R.T. -0.014 min

Lab File: BG057248.D

Acq: 1 May 2023 12:01

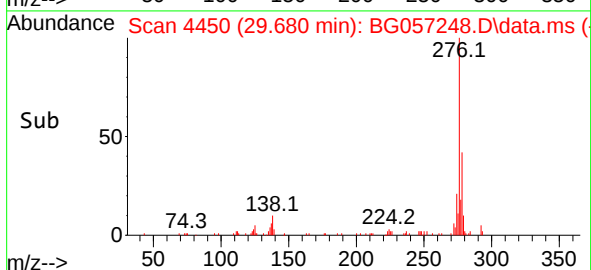
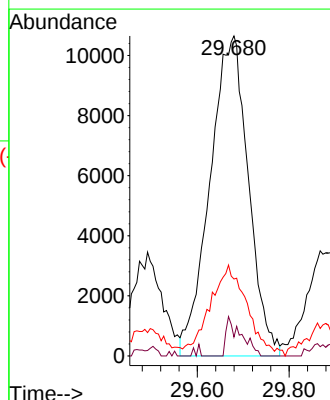
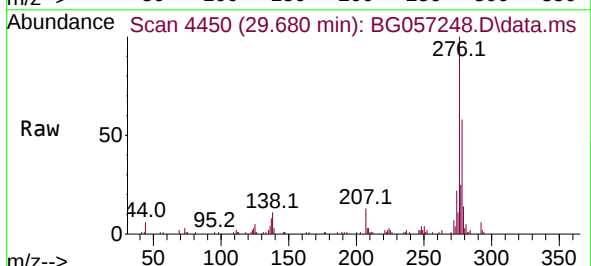
Tgt Ion:278 Resp: 61931

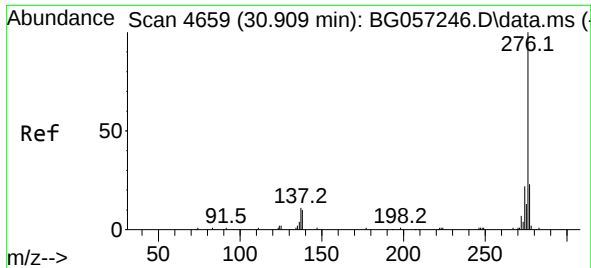
Ion Ratio Lower Upper

278 100

139 5.9 5.8 8.6

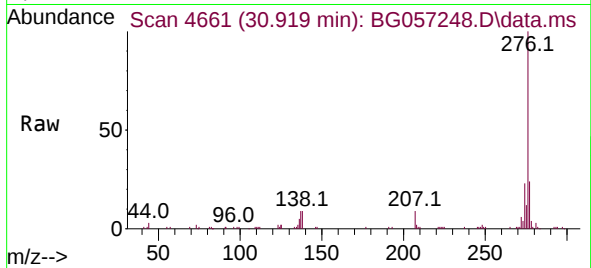
279 24.1 18.3 27.5





#96
 Benzo(g,h,i)perylene
 Concen: 27.940 ng/ul
 RT: 30.919 min Scan# 4661
 Delta R.T. 0.010 min
 Lab File: BG057248.D
 Acq: 1 May 2023 12:01

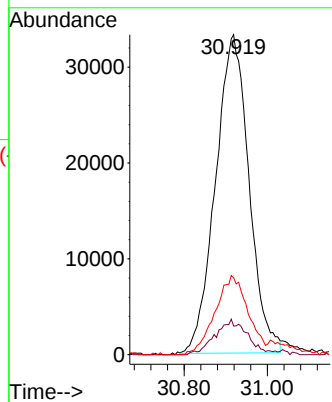
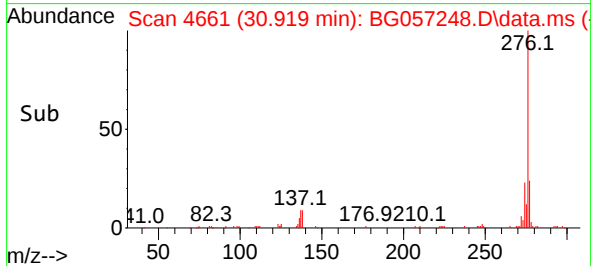
Instrument :
 BNA_G
 ClientSampleId :
 EW902



Tgt Ion:276 Resp: 18523
 Ion Ratio Lower Upper
 276 100
 138 9.0 8.7 13.1
 277 24.1 18.4 27.6

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 05/02/2023
 Supervised By :Jagrut Upadhyay 05/02/2023



Supervised By :Jagrut
 Upadhyay
 05/02/2023