

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
 Data File : BG057317.D
 Acq On : 5 May 2023 13:35
 Operator : CG/JU
 Sample : 02479-07 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW948

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 05/08/2023
 Supervised By :Jagrut Upadhyay 05/08/2023

Quant Time: May 06 00:39:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 05 11:20:08 2023
 Response via : Initial Calibration

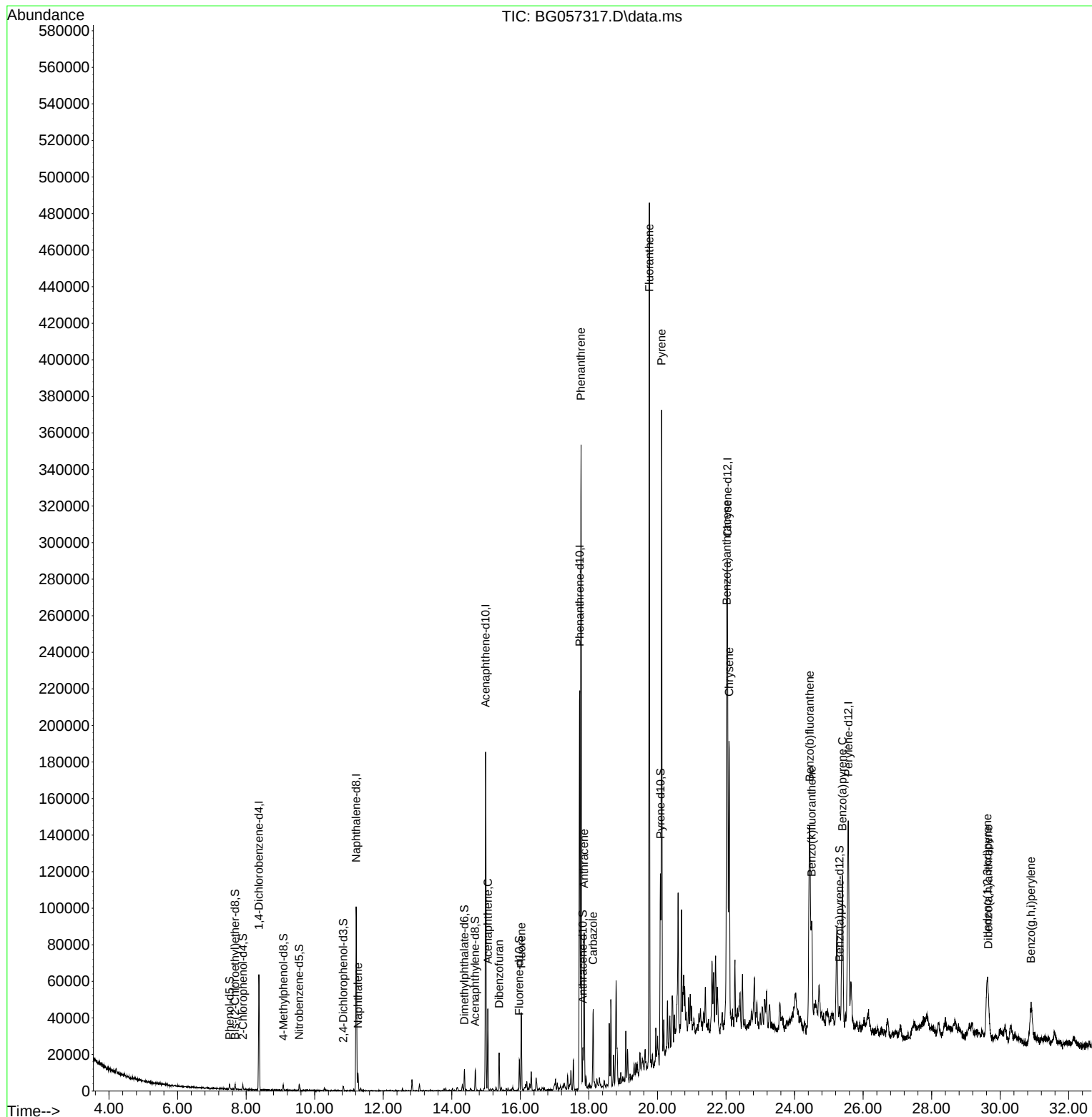
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

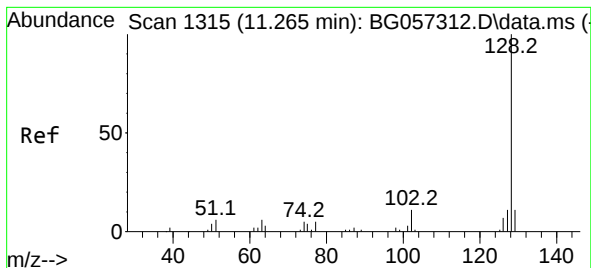
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.372	152	18144	20.000	ng/u1	0.00
20) Naphthalene-d8	11.210	136	81981	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.987	164	66466	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.730	188	148947	20.000	ng/u1	0.00
79) Chrysene-d12	22.042	240	126025	20.000	ng/u1	# 0.00
88) Perylene-d12	25.567	264	135128	20.000	ng/u1	0.01
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	7.515	99	1945	1.134	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.679	67	1410	1.397	ng/u1	0.00
11) 2-Chlorophenol-d4	7.902	132	1463	1.294	ng/u1	0.00
15) 4-Methylphenol-d8	9.083	113	1594	1.222	ng/u1	0.00
21) Nitrobenzene-d5	9.547	128	925m	1.417	ng/u1	0.00
24) 2-Nitrophenol-d4	10.282	143	736	0.966	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.834	165	1656	1.127	ng/u1	0.00
31) 4-Chloroaniline-d4	11.345	131	1373	0.705	ng/u1	0.00
46) Dimethylphthalate-d6	14.370	166	7612	1.445	ng/u1	0.00
49) Acenaphthylene-d8	14.682	160	9135	1.543	ng/u1	0.00
54) 4-Nitrophenol-d4	0.000	143	0	0.000	ng/u1	
60) Fluorene-d10	15.968	176	7354	1.499	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0	0.000	ng/u1	
73) Anthracene-d10	17.824	188	11496	1.691	ng/u1	0.00
81) Pyrene-d10	20.092	212	13152	1.758	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.314	264	12463	1.810	ng/u1	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	11.263	128	8989	1.997	ng/u1	98
52) Acenaphthene	15.052	153	18831	4.394	ng/u1	98
56) Dibenzofuran	15.381	168	13753	2.222	ng/u1	90
61) Fluorene	16.027	166	20239	3.867	ng/u1	98
72) Phenanthrene	17.771	178	228092	29.407	ng/u1	99
74) Anthracene	17.860	178	58868	7.556	ng/u1	97
77) Carbazole	18.124	167	26811	4.118	ng/u1	98
80) Fluoranthene	19.763	202	307400	34.594	ng/u1	97
82) Pyrene	20.121	202	242493	26.957	ng/u1	98
85) Benzo(a)anthracene	22.019	228	129412	14.519	ng/u1	98
87) Chrysene	22.089	228	124573	14.814	ng/u1	96
90) Benzo(b)fluoranthene	24.439	252	143325	15.317	ng/u1	96
91) Benzo(k)fluoranthene	24.498	252	54043m	5.936	ng/u1	
93) Benzo(a)pyrene	25.396	252	104157	12.893	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	29.626	276	66192m	6.555	ng/u1	
95) Dibenzo(a,h)anthracene	29.649	278	16748	2.000	ng/u1#	82
96) Benzo(g,h,i)perylene	30.895	276	51402m	6.289	ng/u1	

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

Manual Integrations APPROVED

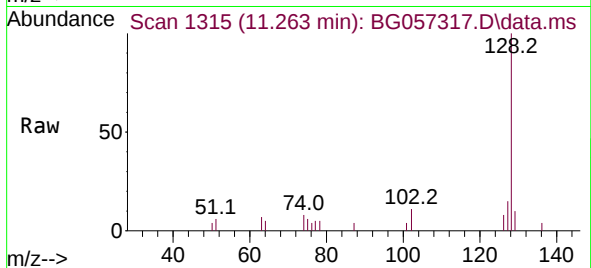
Quant Time: May 06 00:39:26 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 05 11:20:08 2023
Response via : Initial Calibration





#30
Naphthalene
Concen: 1.997 ng/ul
RT: 11.263 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG057317.D
Acq: 5 May 2023 13:35

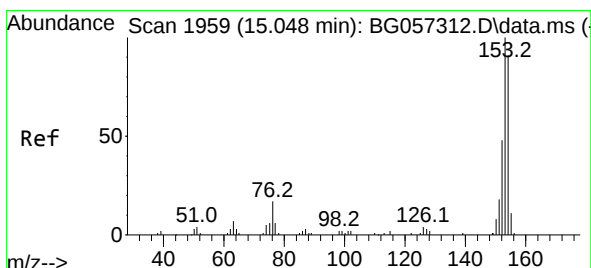
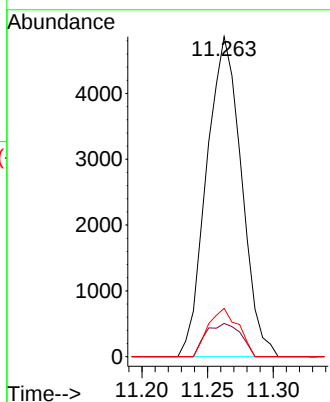
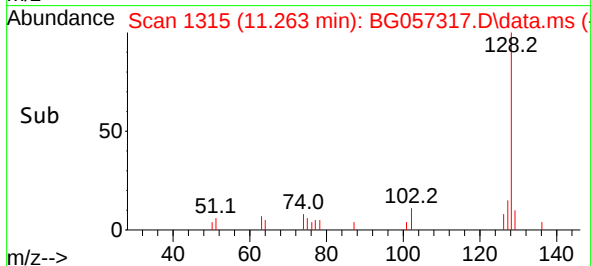
Instrument :
BNA_G
ClientSampleId :
EW948



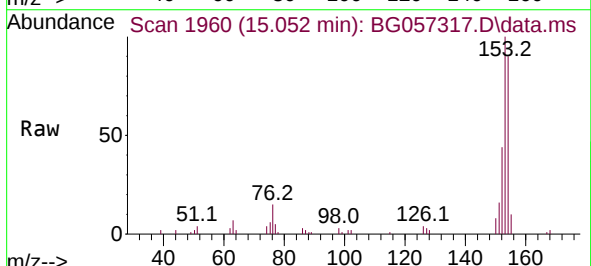
Tgt Ion:128 Resp: 8989
Ion Ratio Lower Upper
128 100
129 10.4 8.5 12.7
127 15.1 11.4 17.0

Manual Integrations
APPROVED

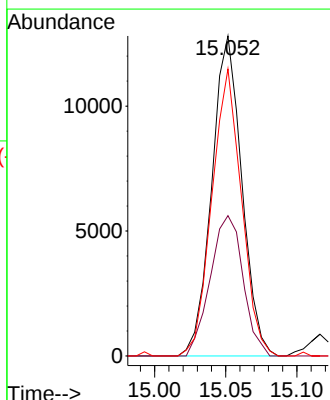
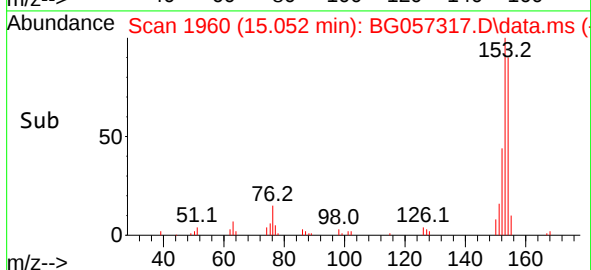
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023

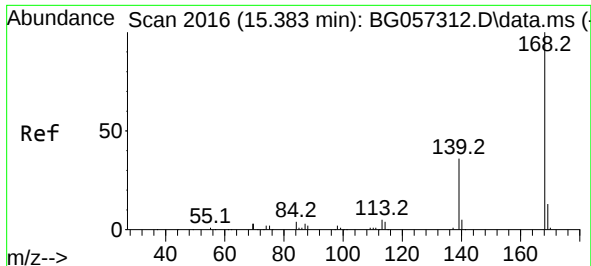


#52
Acenaphthene
Concen: 4.394 ng/ul
RT: 15.052 min Scan# 1960
Delta R.T. 0.003 min
Lab File: BG057317.D
Acq: 5 May 2023 13:35



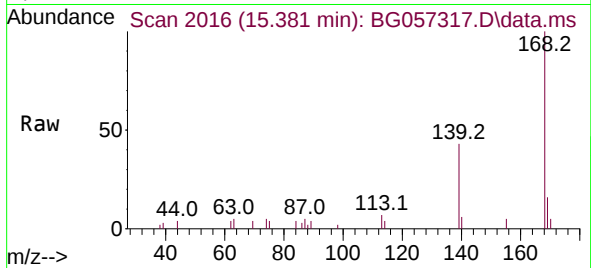
Tgt Ion:153 Resp: 18831
Ion Ratio Lower Upper
153 100
152 43.9 36.5 54.7
154 89.7 70.6 106.0





#56
Dibenzenofuran
Concen: 2.222 ng/ul
RT: 15.381 min Scan# 2016
Delta R.T. -0.003 min
Lab File: BG057317.D
Acq: 5 May 2023 13:35

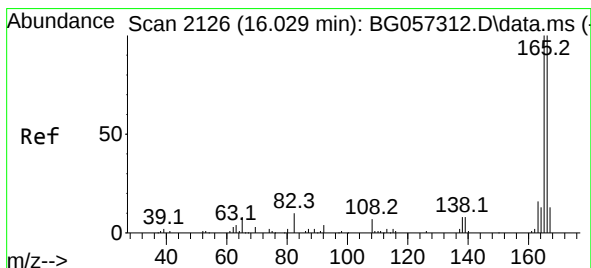
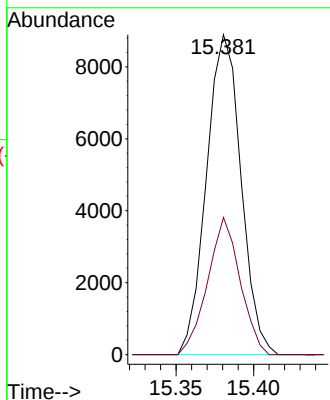
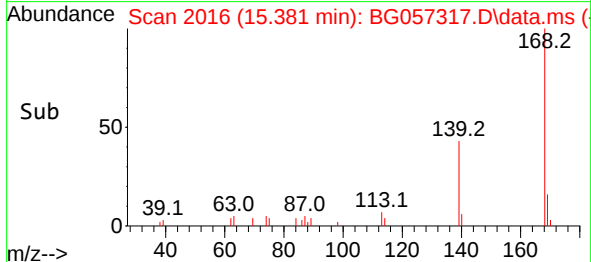
Instrument :
BNA_G
ClientSampleId :
EW948



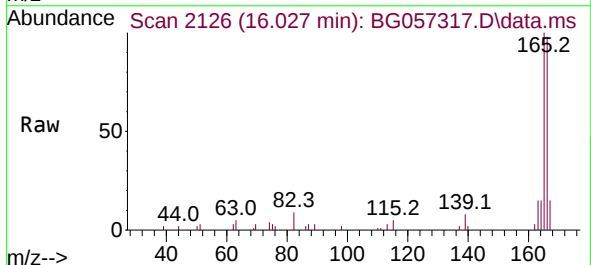
Tgt Ion:168 Resp: 1375
Ion Ratio Lower Upper
168 100
139 42.9 29.6 44.4

Manual Integrations
APPROVED

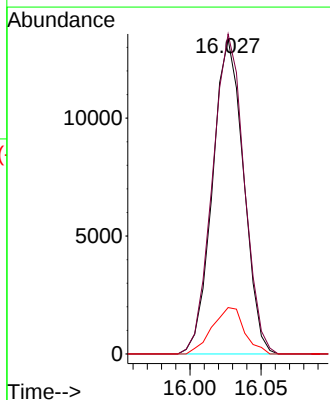
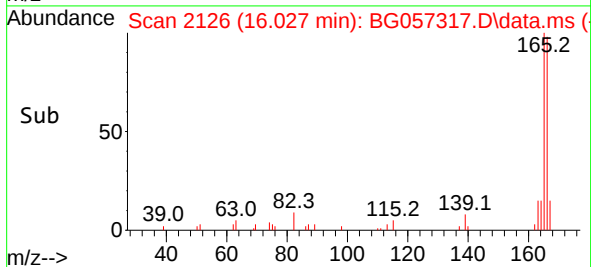
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023

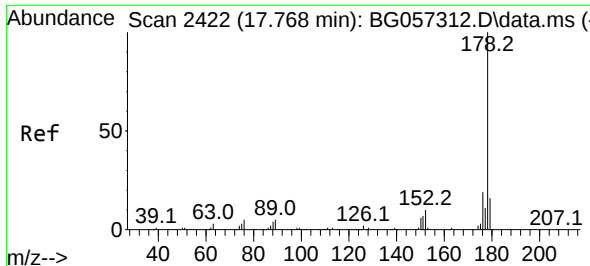


#61
Fluorene
Concen: 3.867 ng/ul
RT: 16.027 min Scan# 2126
Delta R.T. -0.003 min
Lab File: BG057317.D
Acq: 5 May 2023 13:35



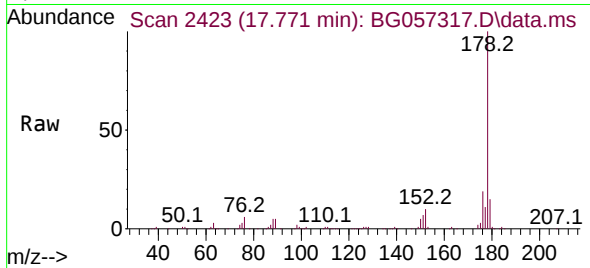
Tgt Ion:166 Resp: 20239
Ion Ratio Lower Upper
166 100
165 101.7 80.1 120.1
167 14.7 10.2 15.4





#72
Phenanthrene
Concen: 29.407 ng/u1
RT: 17.771 min Scan# 2422
Delta R.T. 0.003 min
Lab File: BG057317.D
Acq: 5 May 2023 13:35

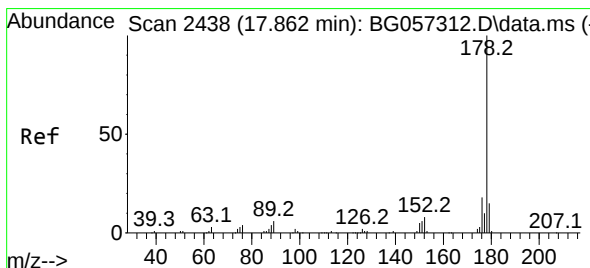
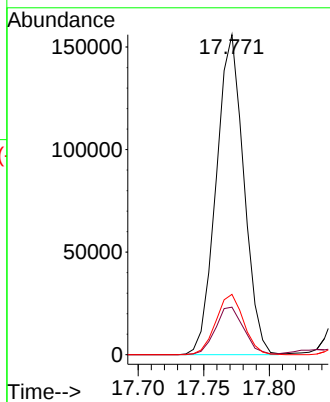
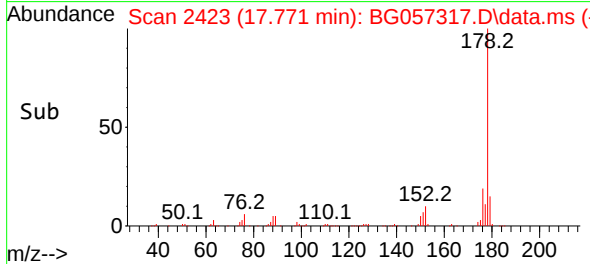
Instrument :
BNA_G
ClientSampleId :
EW948



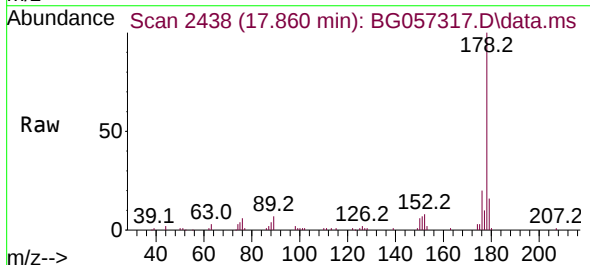
Tgt Ion:178 Resp: 228092
Ion Ratio Lower Upper
178 100
179 14.9 11.8 17.8
176 18.9 15.4 23.0

Manual Integrations
APPROVED

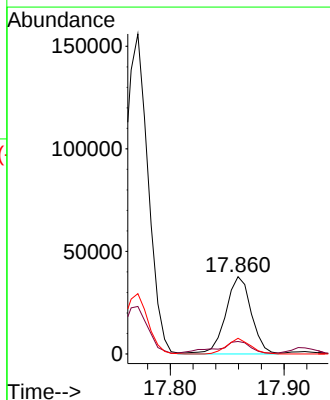
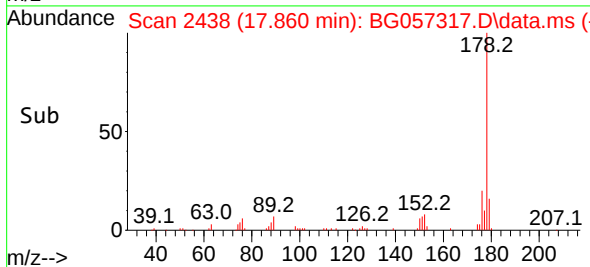
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023

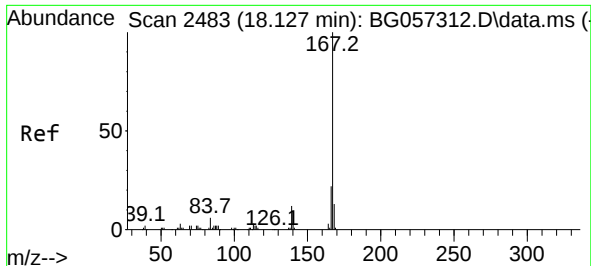


#74
Anthracene
Concen: 7.556 ng/u1
RT: 17.860 min Scan# 2438
Delta R.T. -0.003 min
Lab File: BG057317.D
Acq: 5 May 2023 13:35



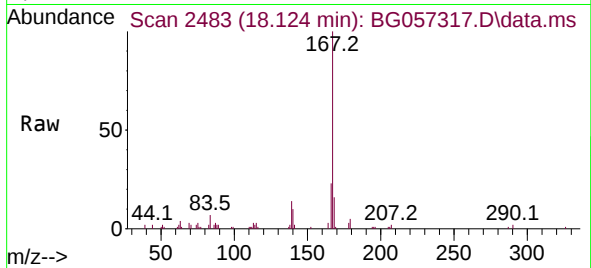
Tgt Ion:178 Resp: 58868
Ion Ratio Lower Upper
178 100
179 16.2 12.5 18.7
176 20.3 14.7 22.1





#77
 Carbazole
 Concen: 4.118 ng/ul
 RT: 18.124 min Scan# 2483
 Delta R.T. -0.003 min
 Lab File: BG057317.D
 Acq: 5 May 2023 13:35

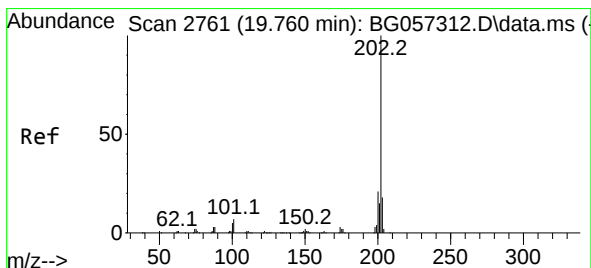
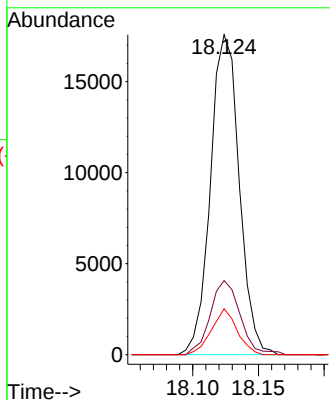
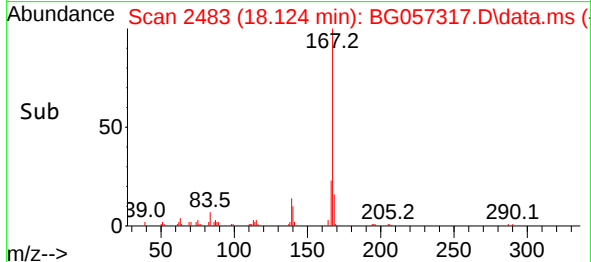
Instrument :
 BNA_G
 ClientSampleId :
 EW948



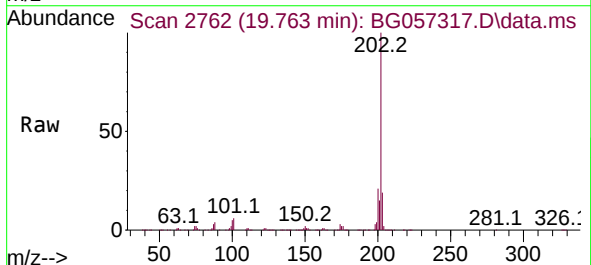
Tgt Ion:167 Resp: 2681
 Ion Ratio Lower Upper
 167 100
 166 23.1 18.0 27.0
 139 14.3 10.3 15.5

Manual Integrations
 APPROVED

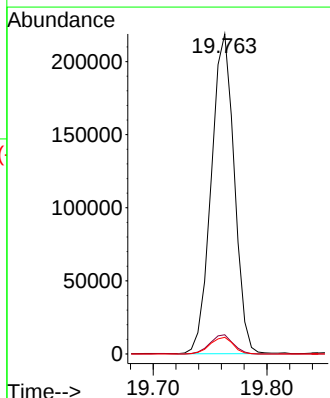
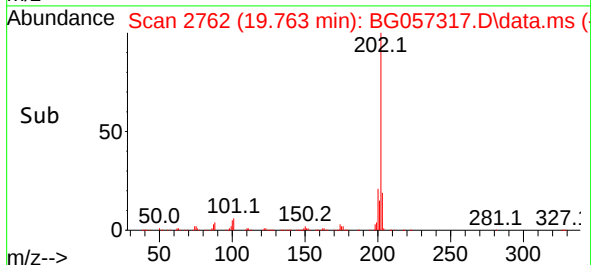
Reviewed By :Christian Giraldo 05/08/2023
 Supervised By :Jagrut Upadhyay 05/08/2023

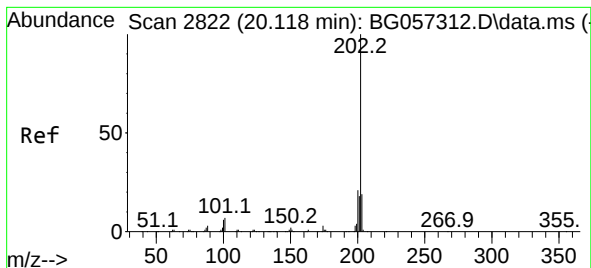


#80
 Fluoranthene
 Concen: 34.594 ng/ul
 RT: 19.763 min Scan# 2762
 Delta R.T. 0.003 min
 Lab File: BG057317.D
 Acq: 5 May 2023 13:35



Tgt Ion:202 Resp: 307400
 Ion Ratio Lower Upper
 202 100
 101 6.0 5.8 8.6
 100 5.2 4.6 7.0





#82

Pyrene

Concen: 26.957 ng/ul

RT: 20.121 min Scan# 2

Delta R.T. 0.003 min

Lab File: BG057317.D

Acq: 5 May 2023 13:35

Instrument :

BNA_G

ClientSampleId :

EW948

Tgt Ion:202 Resp: 24249

Ion Ratio Lower Upper

202 100

101 7.6 5.7 8.5

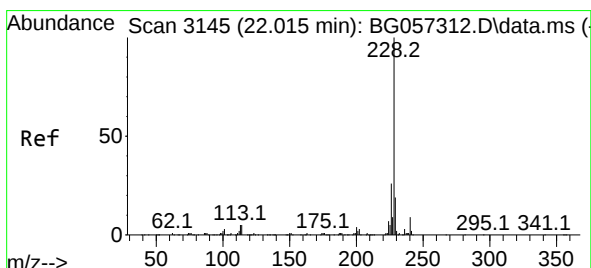
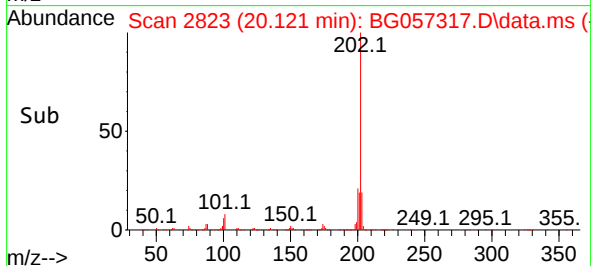
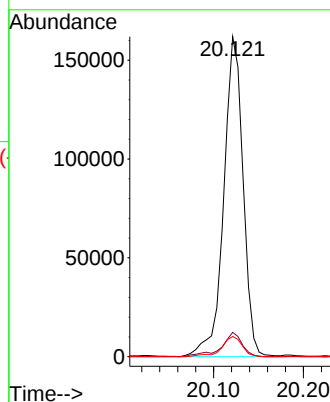
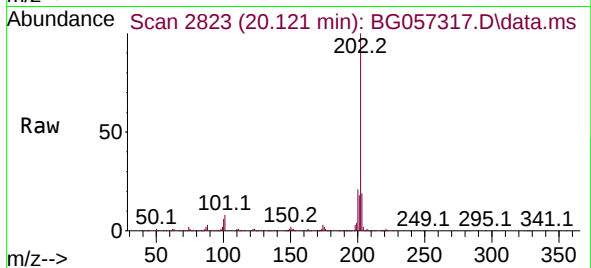
100 6.3 6.0 9.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/08/2023

Supervised By :Jagrut Upadhyay 05/08/2023



#85

Benzo(a)anthracene

Concen: 14.519 ng/ul

RT: 22.019 min Scan# 3146

Delta R.T. 0.003 min

Lab File: BG057317.D

Acq: 5 May 2023 13:35

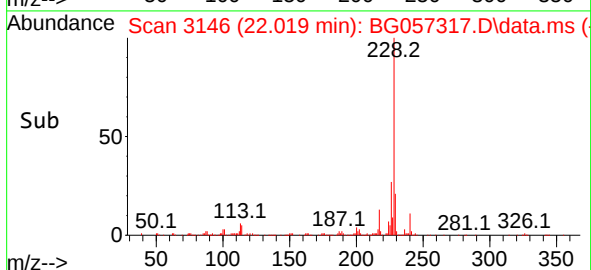
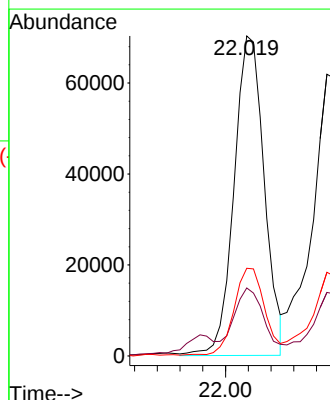
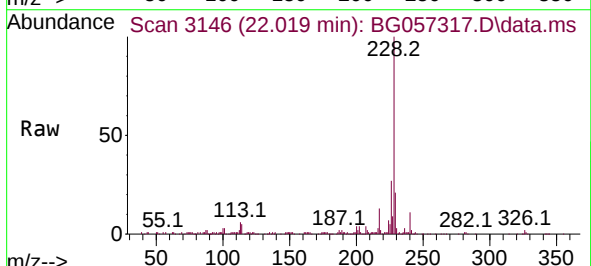
Tgt Ion:228 Resp: 129412

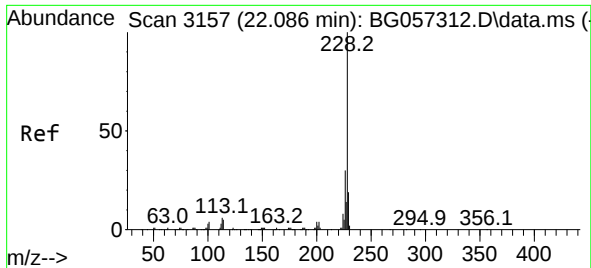
Ion Ratio Lower Upper

228 100

229 21.2 15.8 23.6

226 27.4 21.7 32.5





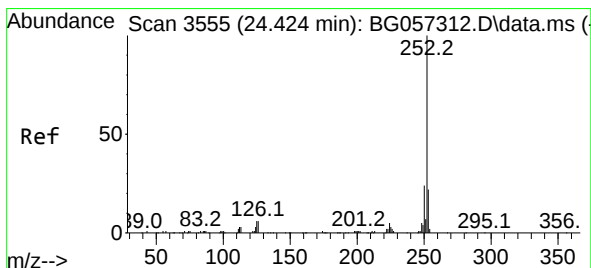
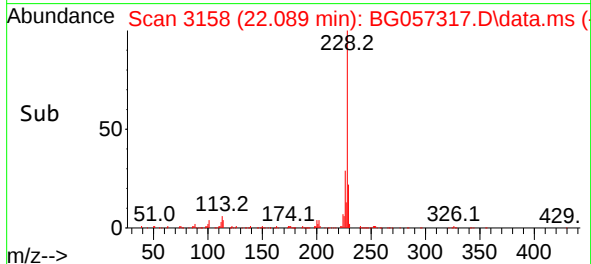
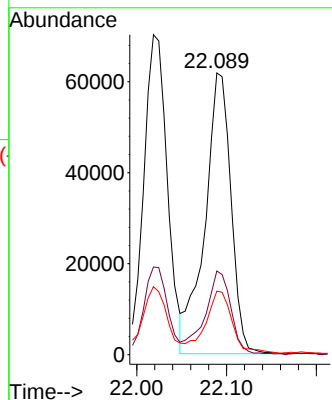
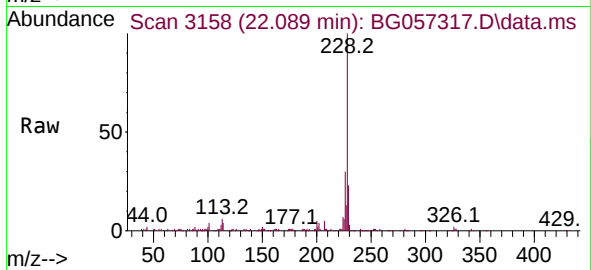
#87
Chrysene
Concen: 14.814 ng/ul
RT: 22.089 min Scan# 3157
Delta R.T. 0.003 min
Lab File: BG057317.D
Acq: 5 May 2023 13:35

Instrument :
BNA_G
ClientSampleId :
EW948

Tgt Ion:228 Resp: 12457
Ion Ratio Lower Upper
228 100
226 29.7 22.8 34.2
229 22.5 15.5 23.3

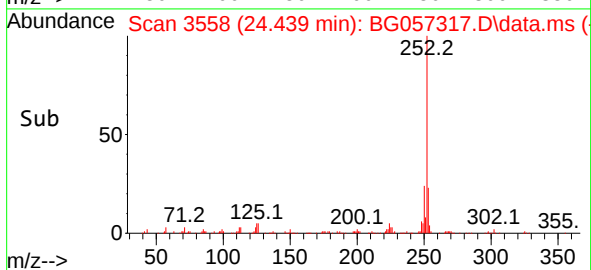
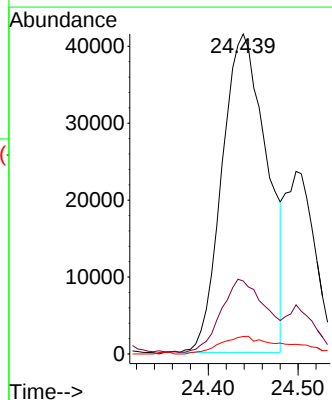
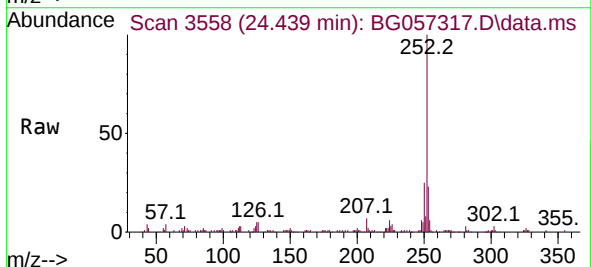
Manual Integrations
APPROVED

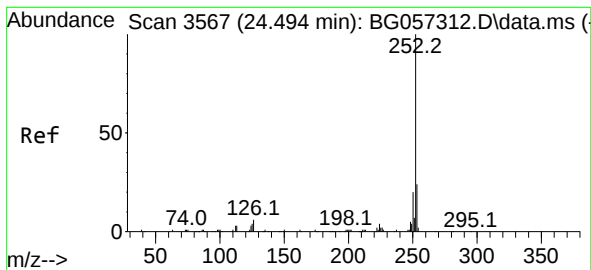
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#90
Benzo(b)fluoranthene
Concen: 15.317 ng/ul
RT: 24.439 min Scan# 3558
Delta R.T. 0.015 min
Lab File: BG057317.D
Acq: 5 May 2023 13:35

Tgt Ion:252 Resp: 143325
Ion Ratio Lower Upper
252 100
253 22.8 16.7 25.1
125 5.5 4.8 7.2





#91

Benzo(k)fluoranthene

Concen: 5.936 ng/ul m

RT: 24.498 min Scan# 3

Delta R.T. 0.003 min

Lab File: BG057317.D

Acq: 5 May 2023 13:35

Instrument :

BNA_G

ClientSampleId :

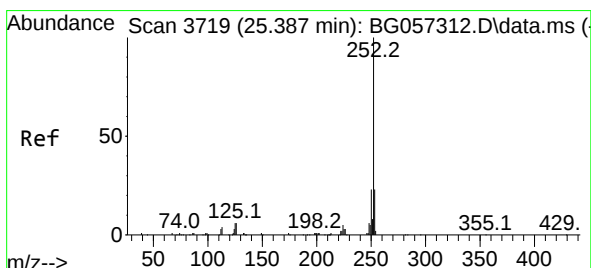
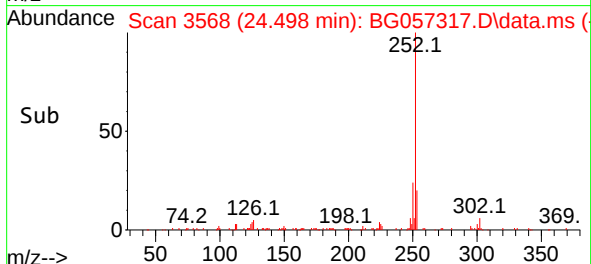
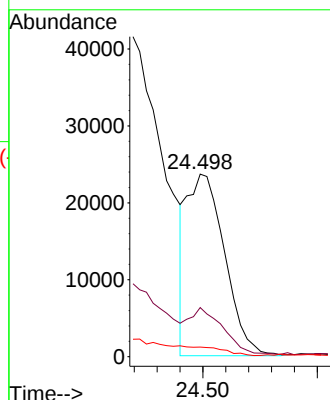
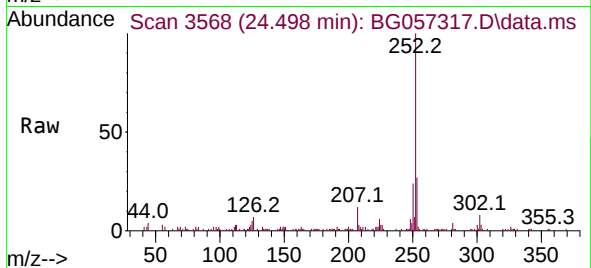
EW948

Tgt Ion:	252	Resp:	5404
Ion Ratio	Lower	Upper	
252	100		
253	26.9	17.7	26.5
125	5.3	4.5	6.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#93

Benzo(a)pyrene

Concen: 12.893 ng/ul

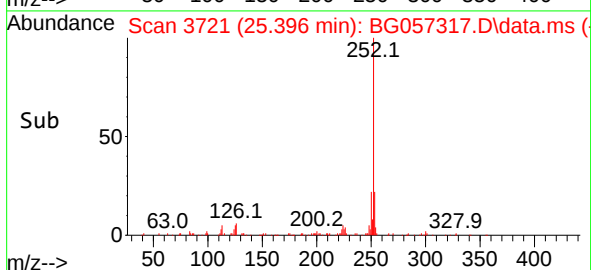
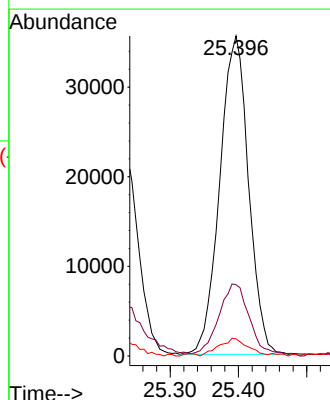
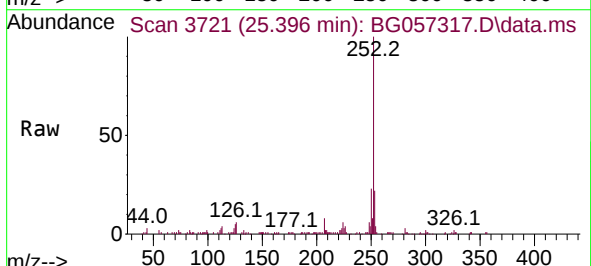
RT: 25.396 min Scan# 3721

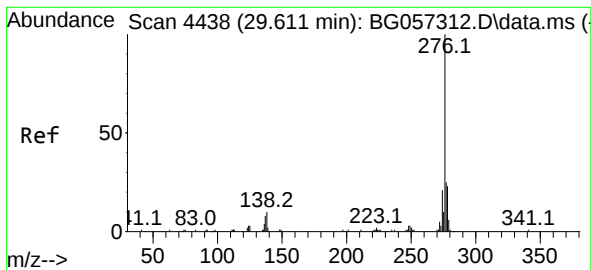
Delta R.T. 0.009 min

Lab File: BG057317.D

Acq: 5 May 2023 13:35

Tgt Ion:	252	Resp:	104157
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.2	25.8
125	5.4	5.1	7.7





#94

Indeno(1,2,3-cd)pyrene

Concen: 6.555 ng/ul m

RT: 29.626 min Scan# 4441

Delta R.T. 0.015 min

Lab File: BG057317.D

Acq: 5 May 2023 13:35

Instrument :

BNA_G

ClientSampleId :

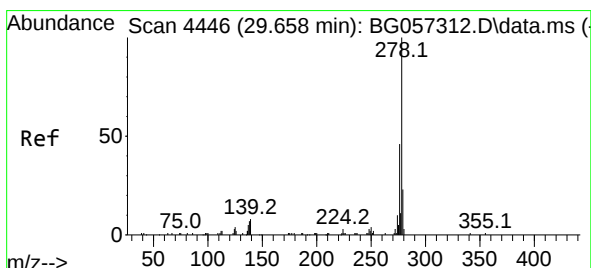
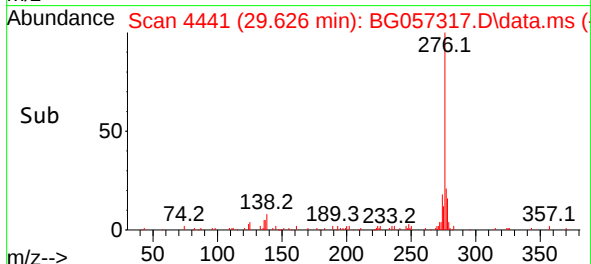
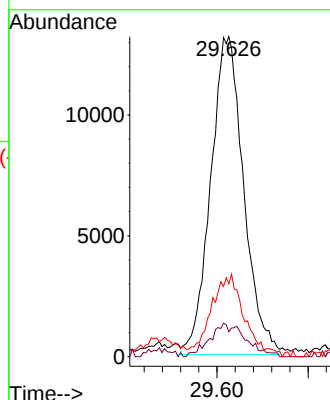
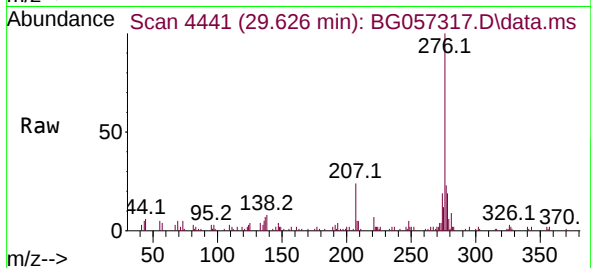
EW948

Tgt Ion:276 Resp: 66192
 Ion Ratio Lower Upper
 276 100
 138 7.8 9.4 14.2#
 277 22.8 18.6 28.0#

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/08/2023
 Supervised By :Jagrut Upadhyay 05/08/2023



#95

Dibenzo(a,h)anthracene

Concen: 2.000 ng/ul

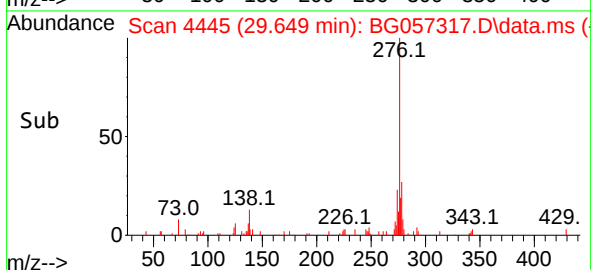
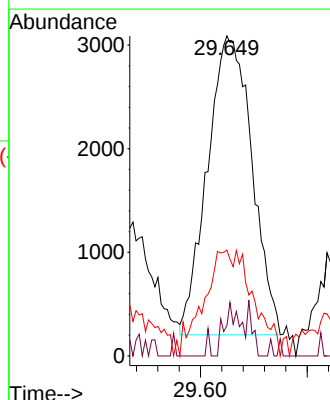
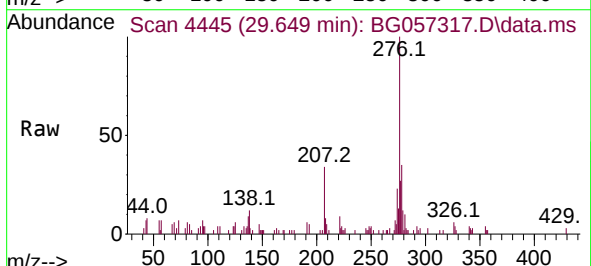
RT: 29.649 min Scan# 4445

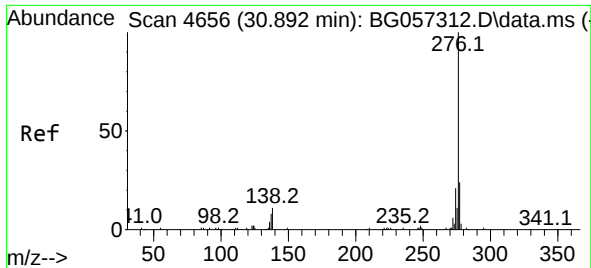
Delta R.T. -0.009 min

Lab File: BG057317.D

Acq: 5 May 2023 13:35

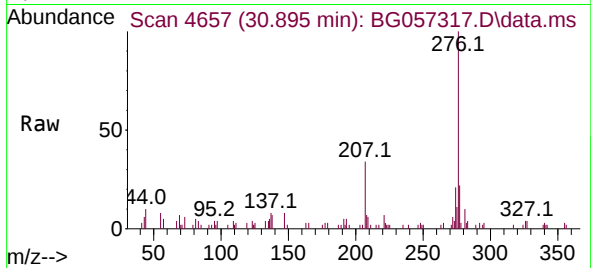
Tgt Ion:278 Resp: 16748
 Ion Ratio Lower Upper
 278 100
 139 9.5 5.8 8.6#
 279 33.1 18.3 27.5#





#96
 Benzo(g,h,i)perylene
 Concen: 6.289 ng/ul m
 RT: 30.895 min Scan# 4
 Delta R.T. 0.003 min
 Lab File: BG057317.D
 Acq: 5 May 2023 13:35

Instrument :
 BNA_G
 ClientSampleId :
 EW948



Tgt Ion:276 Resp: 5140
 Ion Ratio Lower Upper
 276 100
 138 7.4 8.7 13.1
 277 21.7 18.4 27.6

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 05/08/2023
 Supervised By :Jagrut Upadhyay 05/08/2023

