

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
 Data File : BG057316.D
 Acq On : 5 May 2023 12:55
 Operator : CG/JU
 Sample : 02479-13 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW976

Manual Integrations
 APPROVED

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

Quant Time: May 06 00:32:14 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	8.373	152	13091	20.000	ng/u1	0.00
20) Naphthalene-d8	11.210	136	60787	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.988	164	50334	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.725	188	113478	20.000	ng/u1	0.00
79) Chrysene-d12	22.043	240	95439	20.000	ng/u1	# 0.00
88) Perylene-d12	25.567	264	101133	20.000	ng/u1	0.02
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	1626	1.313	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.680	67	838	1.151	ng/u1	0.00
11) 2-Chlorophenol-d4	7.903	132	1079	1.323	ng/u1	0.00
15) 4-Methylphenol-d8	9.078	113	1138	1.209	ng/u1	0.00
21) Nitrobenzene-d5	9.542	128	331	0.684	ng/u1	0.00
24) 2-Nitrophenol-d4	10.288	143	538	0.952	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.840	165	1603	1.471	ng/u1	0.02
31) 4-Chloroaniline-d4	11.345	131	369	0.255	ng/u1	0.00
46) Dimethylphthalate-d6	14.371	166	6505	1.631	ng/u1	0.00
49) Acenaphthylene-d8	14.688	160	7220	1.611	ng/u1	0.00
54) 4-Nitrophenol-d4	0.000	143	0	0.000	ng/u1	
60) Fluorene-d10	15.969	176	5867	1.579	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0	0.000	ng/u1	
73) Anthracene-d10	17.825	188	9349	1.805	ng/u1	0.00
81) Pyrene-d10	20.092	212	10635	1.877	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.326	264	9885	1.919	ng/u1	0.02
Target Compounds						
					Qvalue	
30) Naphthalene	11.263	128	3751	1.124	ng/u1#	93
36) 2-Methylnaphthalene	12.843	142	2635	1.077	ng/u1	94
52) Acenaphthene	15.046	153	14966	4.611	ng/u1	94
56) Dibenzofuran	15.381	168	11560	2.467	ng/u1	99
61) Fluorene	16.027	166	18311	4.620	ng/u1	99
72) Phenanthrene	17.772	178	322953	54.651	ng/u1	99
74) Anthracene	17.860	178	79052	13.317	ng/u1	98
77) Carbazole	18.124	167	26213	5.284	ng/u1	99
80) Fluoranthene	19.763	202	622080	92.443	ng/u1	97
82) Pyrene	20.128	202	521579	76.564	ng/u1	98
83) Butylbenzylphthalate	20.974	149	2949	1.352	ng/u1#	93
85) Benzo(a)anthracene	22.019	228	256478	37.997	ng/u1	98
87) Chrysene	22.096	228	263043	41.305	ng/u1	97
90) Benzo(b)fluoranthene	24.445	252	351719	50.221	ng/u1#	97
91) Benzo(k)fluoranthene	24.504	252	117220m	17.204	ng/u1	
93) Benzo(a)pyrene	25.403	252	229455m	37.950	ng/u1	
94) Indeno(1,2,3-cd)pyrene	29.638	276	165350m	21.878	ng/u1	
95) Dibenzo(a,h)anthracene	29.674	278	45127m	7.201	ng/u1	
96) Benzo(g,h,i)perylene	30.919	276	141950m	23.207	ng/u1	

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

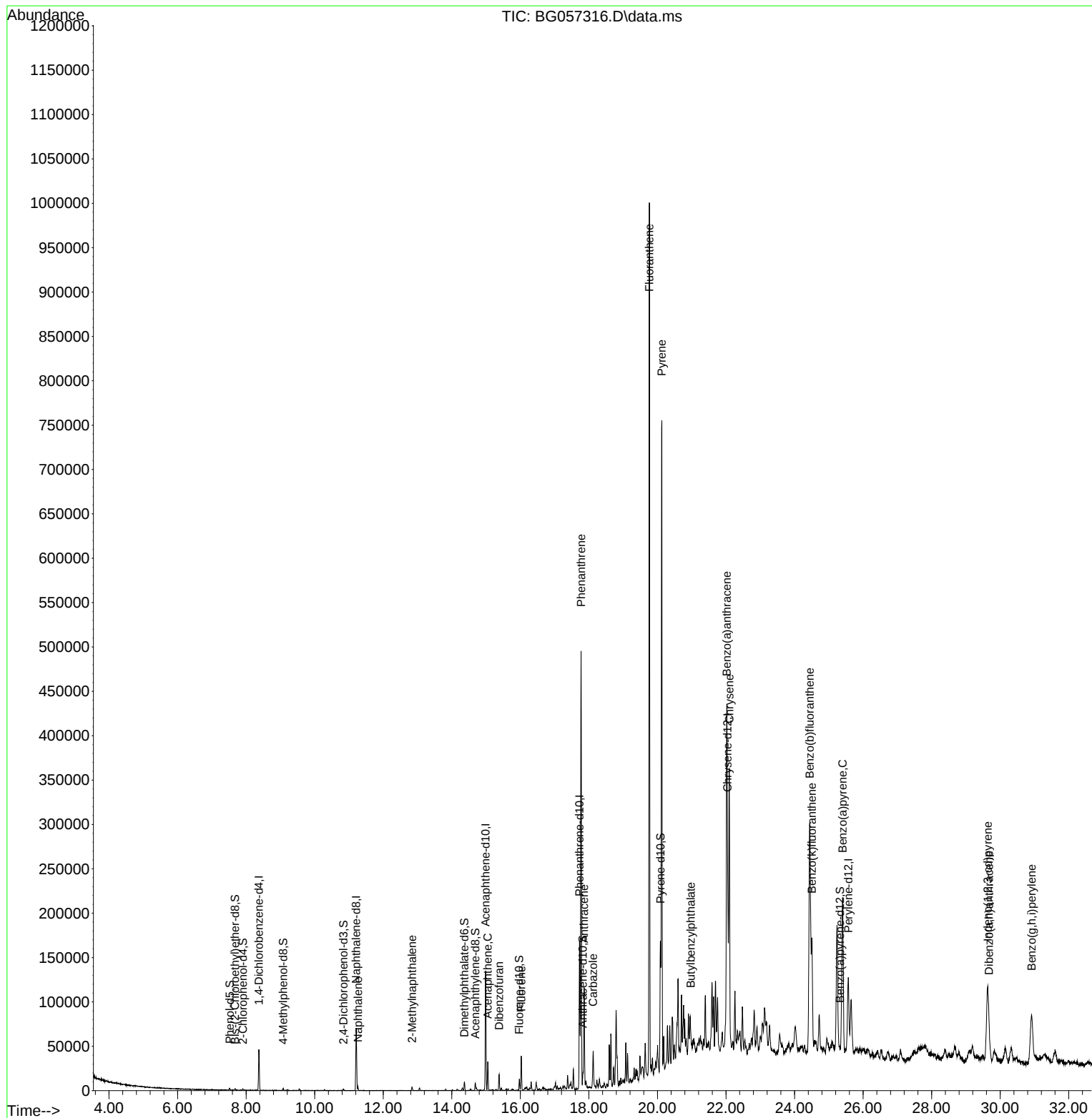
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050523\
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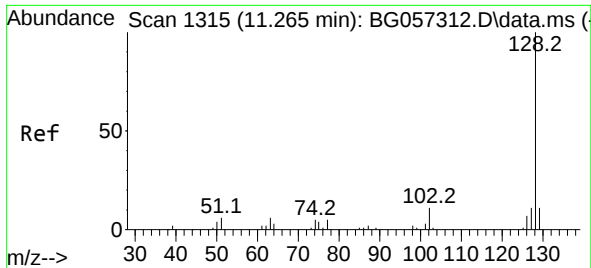
Instrument :
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Quant Title : SVOA CALIBRATION
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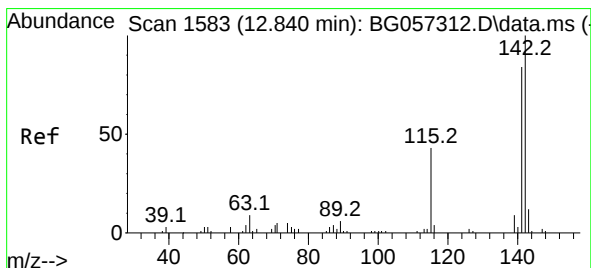
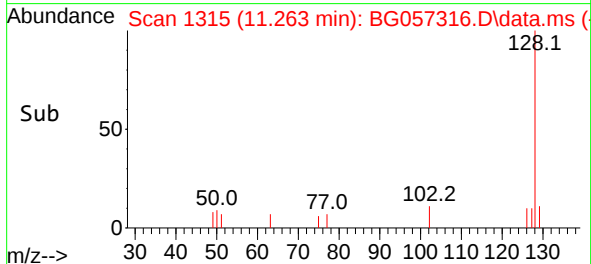
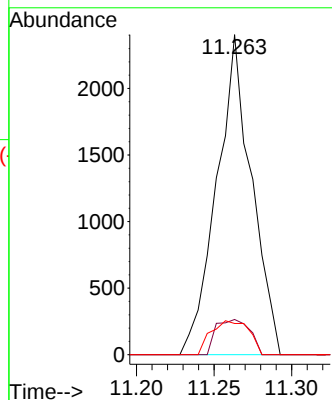
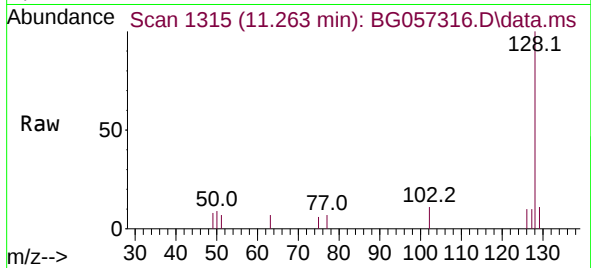
#30
Naphthalene
Concen: 1.124 ng/ul
RT: 11.263 min Scan# 1315
Delta R.T. -0.002 min
Lab File: BG057316.D
Acq: 5 May 2023 12:55

Instrument :
BNA_G
ClientSampleId :
EW976

Tgt Ion:128 Resp: 375
Ion Ratio Lower Upper
128 100
129 11.0 8.5 12.7
127 9.7 11.4 17.0

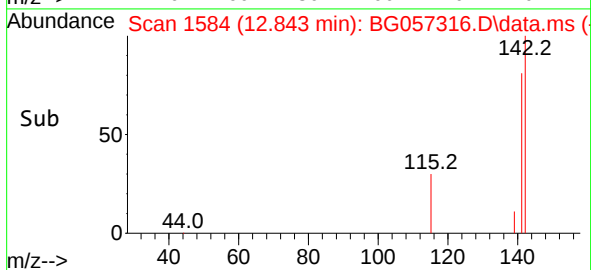
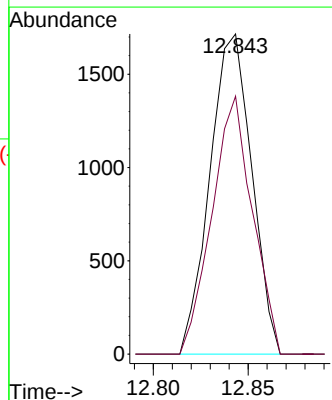
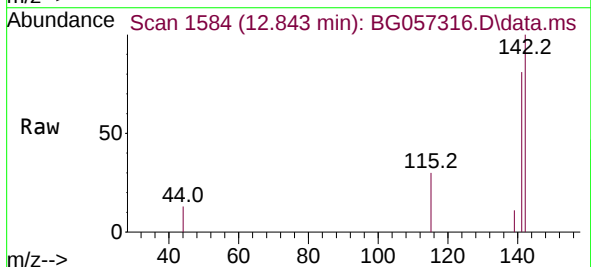
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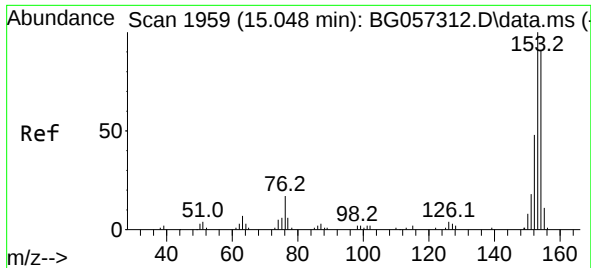
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#36
2-Methylnaphthalene
Concen: 1.077 ng/ul
RT: 12.843 min Scan# 1584
Delta R.T. 0.004 min
Lab File: BG057316.D
Acq: 5 May 2023 12:55

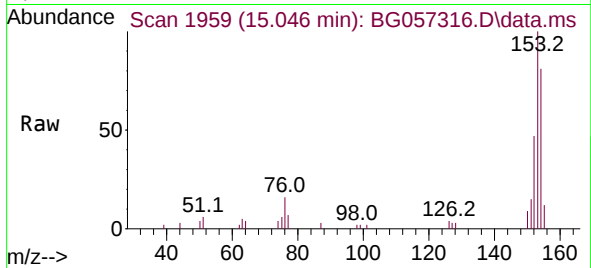
Tgt Ion:142 Resp: 2635
Ion Ratio Lower Upper
142 100
141 80.5 68.7 103.1





#52
Acenaphthene
Concen: 4.611 ng/ul
RT: 15.046 min Scan# 1959
Delta R.T. -0.002 min
Lab File: BG057316.D
Acq: 5 May 2023 12:55

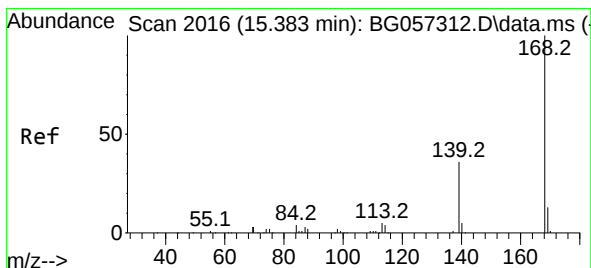
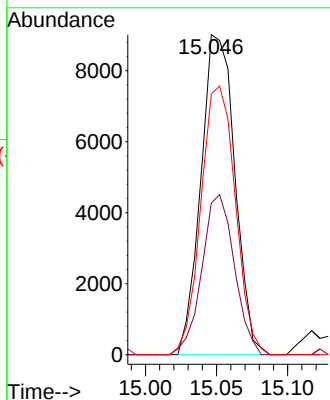
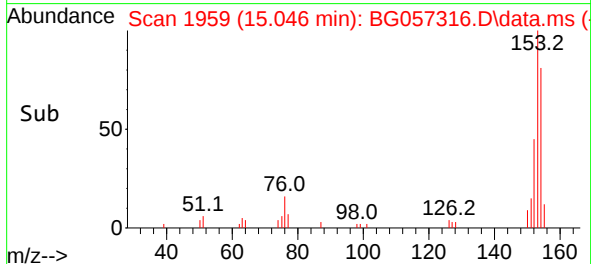
Instrument :
BNA_G
ClientSampleId :
EW976



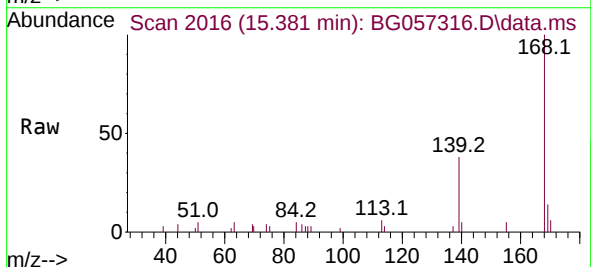
Tgt Ion:153 Resp: 14960
Ion Ratio Lower Upper
153 100
152 47.4 36.5 54.7
154 81.5 70.6 106.0

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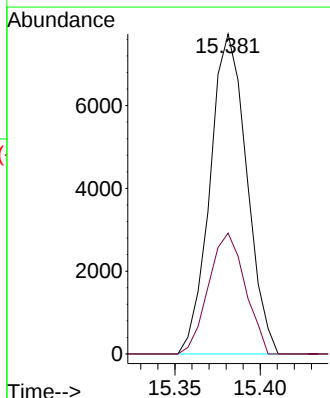
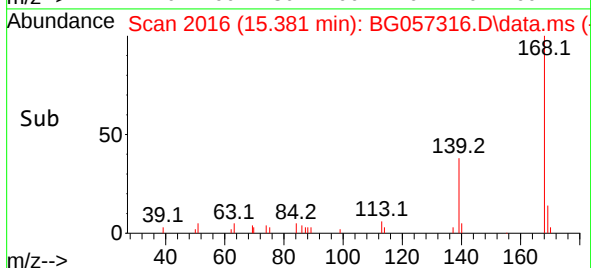
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023

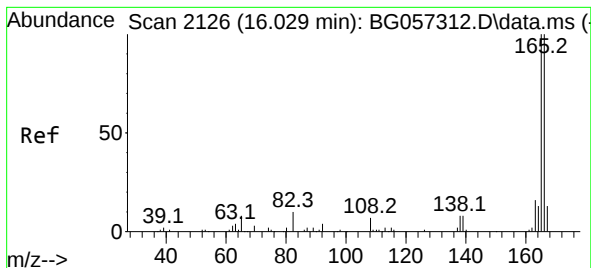


#56
Dibenzofuran
Concen: 2.467 ng/ul
RT: 15.381 min Scan# 2016
Delta R.T. -0.002 min
Lab File: BG057316.D
Acq: 5 May 2023 12:55



Tgt Ion:168 Resp: 11560
Ion Ratio Lower Upper
168 100
139 37.7 29.6 44.4





#61

Fluorene

Concen: 4.620 ng/ul

RT: 16.027 min Scan# 2126

Delta R.T. -0.002 min

Lab File: BG057316.D

Acq: 5 May 2023 12:55

Instrument :

BNA_G

ClientSampleId :

EW976

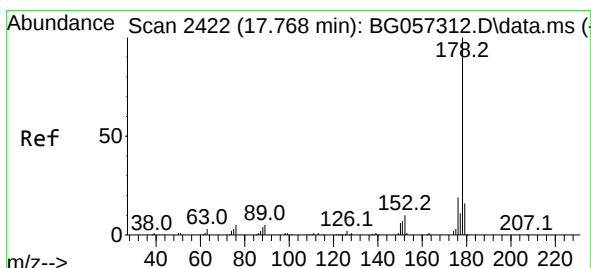
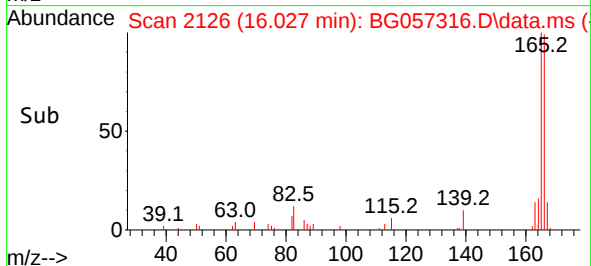
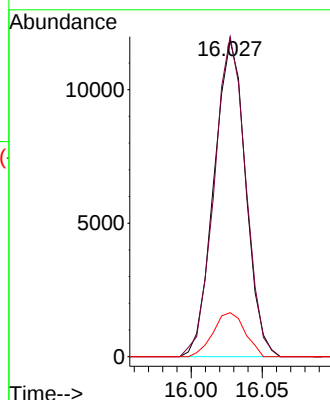
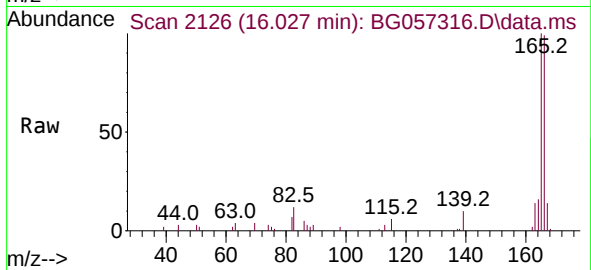
Tgt Ion:	166	Resp:	1831
Ion Ratio	Lower	Upper	
166	100		
165	101.1	80.1	120.1
167	13.9	10.2	15.4

Manual Integrations

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#72

Phenanthrene

Concen: 54.651 ng/ul

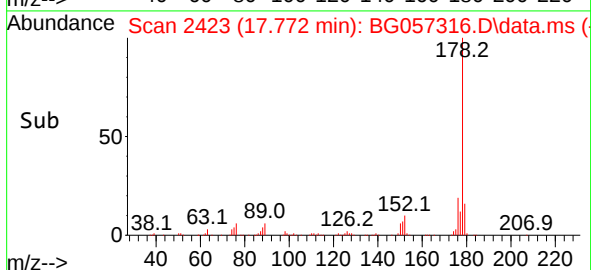
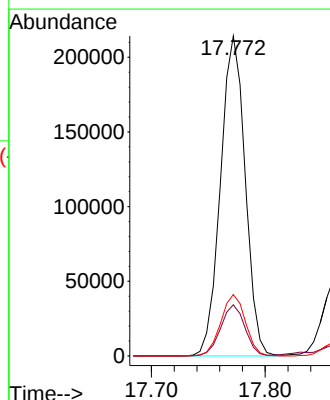
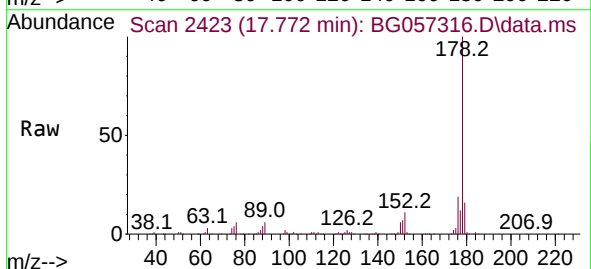
RT: 17.772 min Scan# 2423

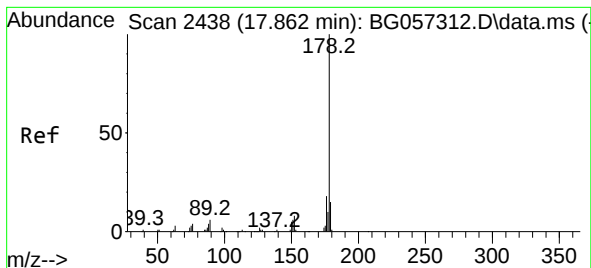
Delta R.T. 0.004 min

Lab File: BG057316.D

Acq: 5 May 2023 12:55

Tgt Ion:	178	Resp:	322953
Ion Ratio	Lower	Upper	
178	100		
179	16.0	11.8	17.8
176	19.2	15.4	23.0





#74

Anthracene

Concen: 13.317 ng/ul

RT: 17.860 min Scan# 2438

Delta R.T. -0.002 min

Lab File: BG057316.D

Acq: 5 May 2023 12:55

Instrument :

BNA_G

ClientSampleId :

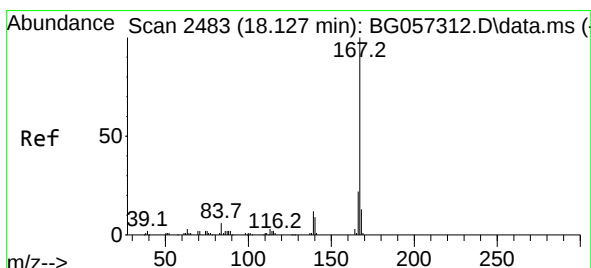
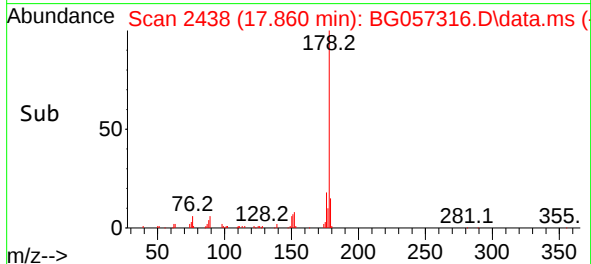
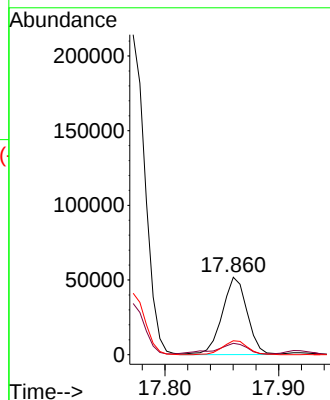
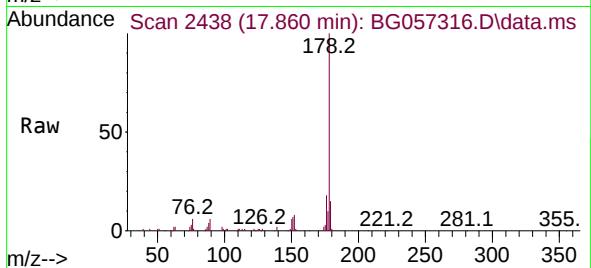
EW976

Tgt Ion:178	Resp:	79052
Ion Ratio	Lower	Upper
178	100	
179	14.6	12.5 18.7
176	17.9	14.7 22.1

Manual Integrations

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



#77

Carbazole

Concen: 5.284 ng/ul

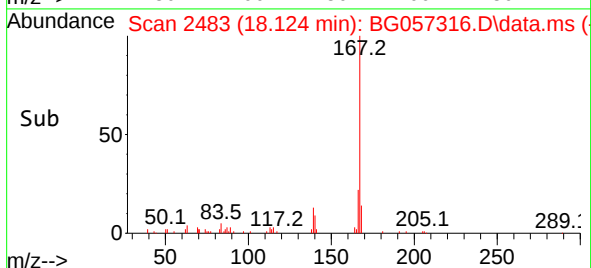
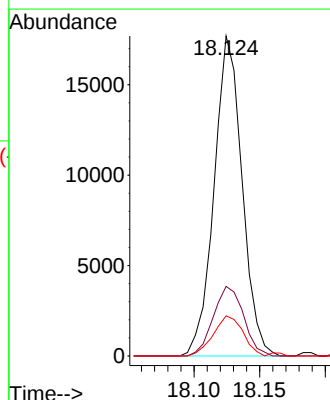
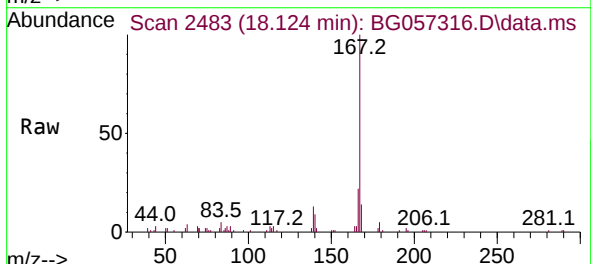
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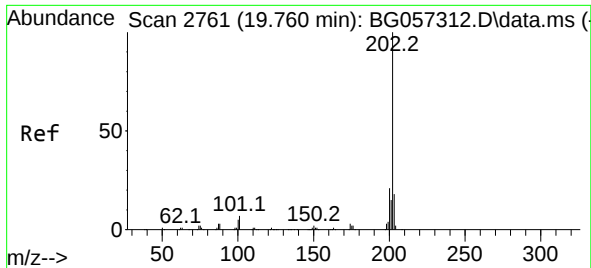
Delta R.T. -0.002 min

Lab File: BG057316.D

Acq: 5 May 2023 12:55

Tgt Ion:167	Resp:	26213
Ion Ratio	Lower	Upper
167	100	
166	21.7	18.0 27.0
139	12.6	10.3 15.5





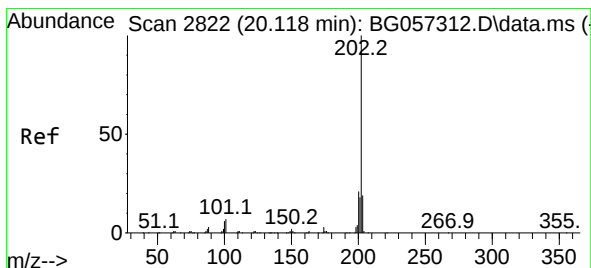
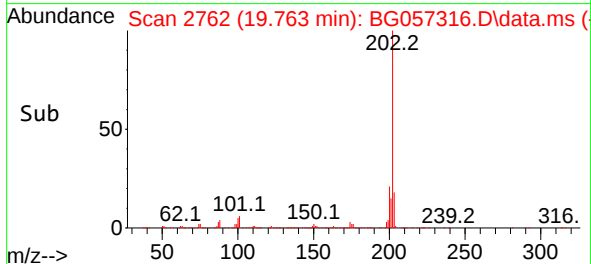
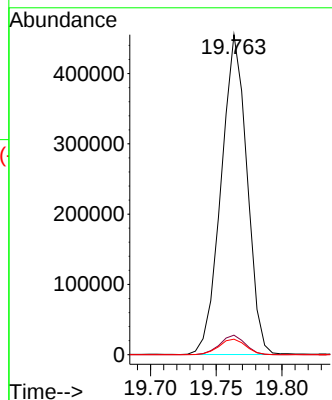
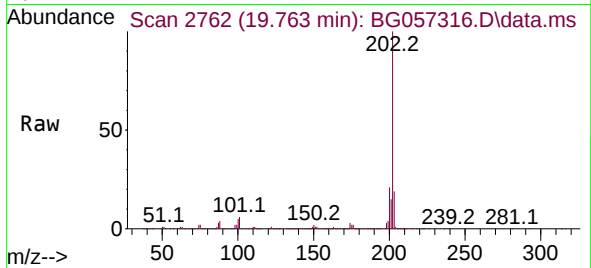
#80
Fluoranthene
Concen: 92.443 ng/u1
RT: 19.763 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG057316.D
Acq: 5 May 2023 12:55

Instrument :
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ClientSampleId :
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Tgt Ion:202 Resp: 622080
Ion Ratio Lower Upper
202 100
101 6.1 5.8 8.6
100 4.8 4.6 7.0

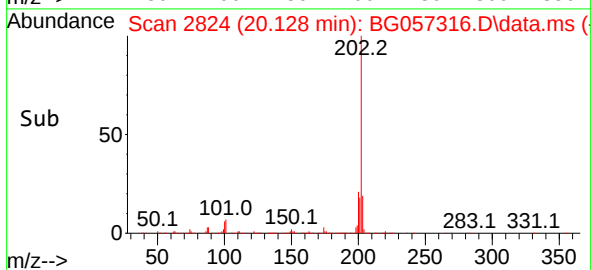
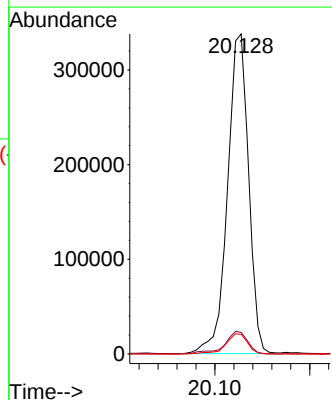
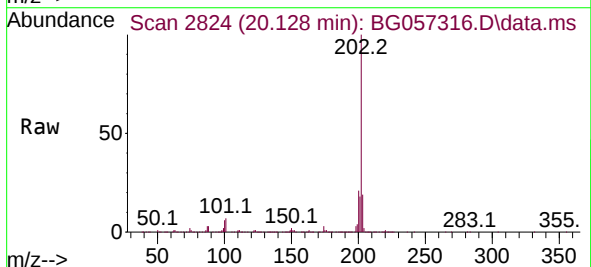
Manual Integrations
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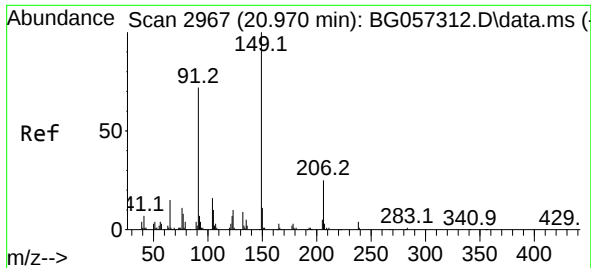
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#82
Pyrene
Concen: 76.564 ng/u1
RT: 20.128 min Scan# 2824
Delta R.T. 0.010 min
Lab File: BG057316.D
Acq: 5 May 2023 12:55

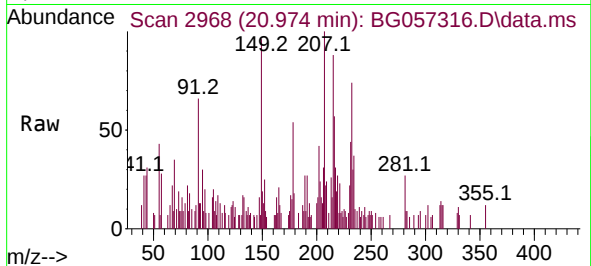
Tgt Ion:202 Resp: 521579
Ion Ratio Lower Upper
202 100
101 6.8 5.7 8.5
100 6.1 6.0 9.0





#83
Butylbenzylphthalate
Concen: 1.352 ng/ul
RT: 20.974 min Scan# 2968
Delta R.T. 0.004 min
Lab File: BG057316.D
Acq: 5 May 2023 12:55

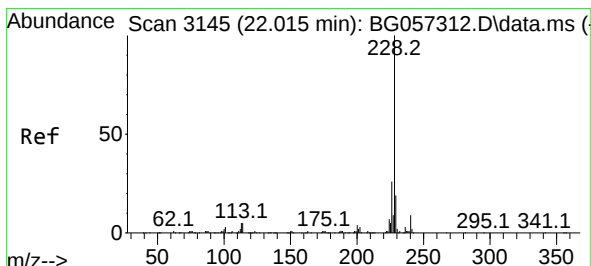
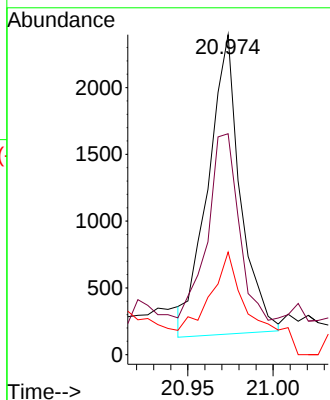
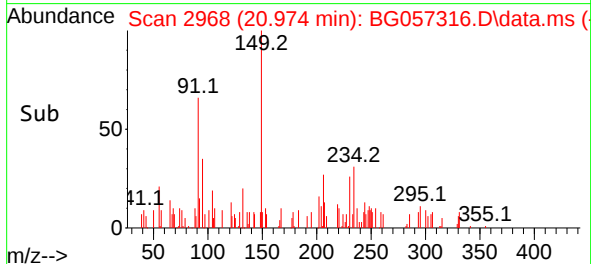
Instrument :
BNA_G
ClientSampleId :
EW976



Tgt Ion:149 Resp: 2949
Ion Ratio Lower Upper
149 100
91 69.1 58.6 87.8
206 32.1 19.8 29.8

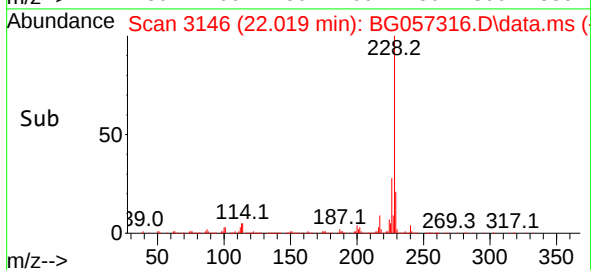
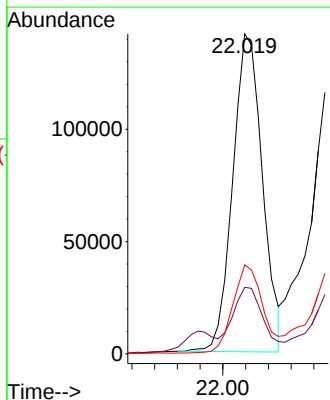
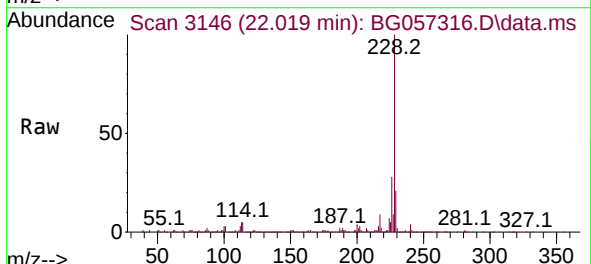
Manual Integrations
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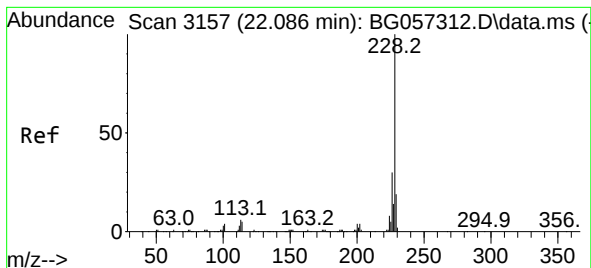
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023



#85
Benzo(a)anthracene
Concen: 37.997 ng/ul
RT: 22.019 min Scan# 3146
Delta R.T. 0.004 min
Lab File: BG057316.D
Acq: 5 May 2023 12:55

Tgt Ion:228 Resp: 256478
Ion Ratio Lower Upper
228 100
229 20.8 15.8 23.6
226 27.9 21.7 32.5





#87

Chrysene

Concen: 41.305 ng/u1

RT: 22.096 min Scan# 3157

Delta R.T. 0.010 min

Lab File: BG057316.D

Acq: 5 May 2023 12:55

Instrument :

BNA_G

ClientSampleId :

EW976

Tgt Ion:228 Resp: 26304

Ion Ratio Lower Upper

228 100

226 29.3 22.8 34.2

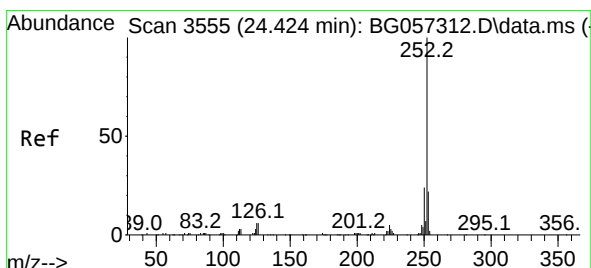
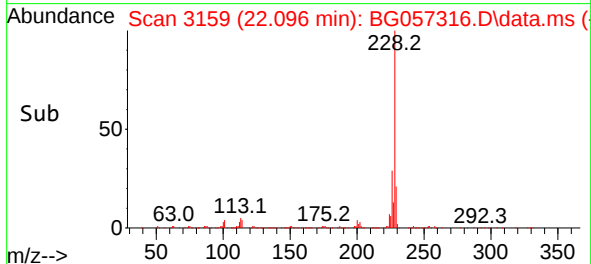
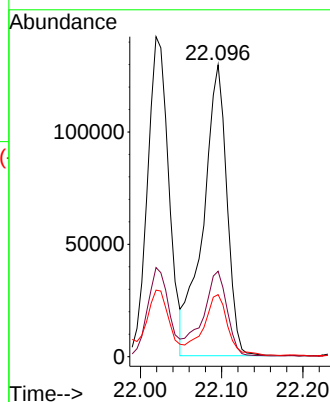
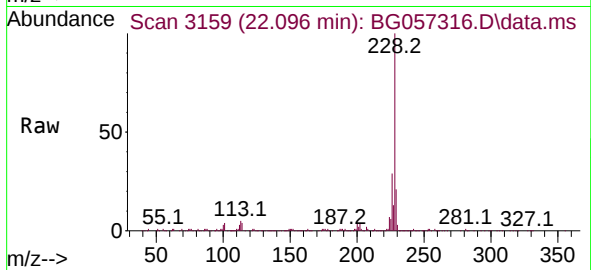
229 21.3 15.5 23.3

Manual Integrations

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Reviewed By :Christian Giraldo 05/08/2023

Supervised By :Jagrut Upadhyay 05/08/2023



#90

Benzo(b)fluoranthene

Concen: 50.221 ng/u1

RT: 24.445 min Scan# 3559

Delta R.T. 0.021 min

Lab File: BG057316.D

Acq: 5 May 2023 12:55

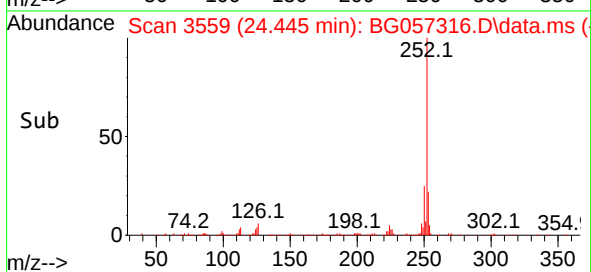
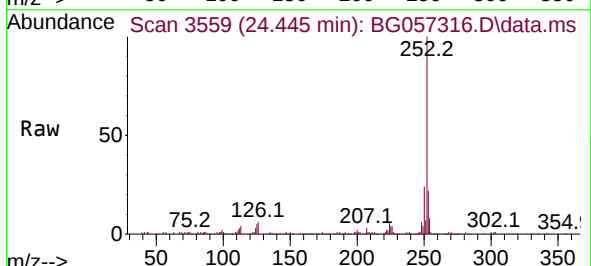
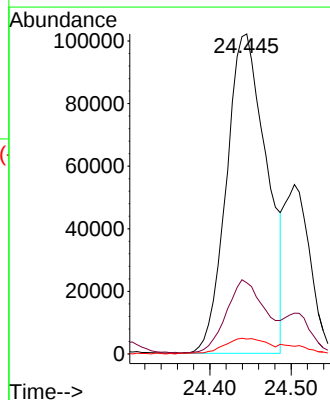
Tgt Ion:252 Resp: 351719

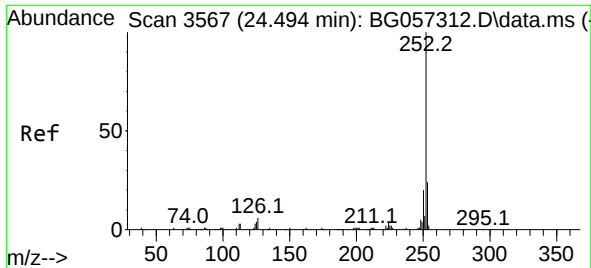
Ion Ratio Lower Upper

252 100

253 22.3 16.7 25.1

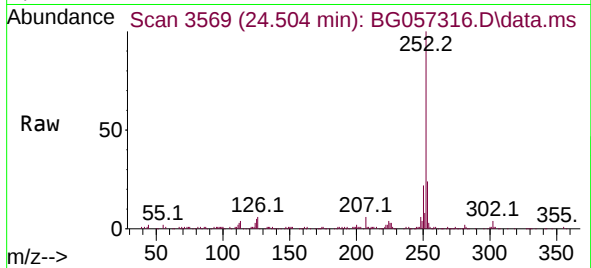
125 4.6 4.8 7.2#





#91
Benzo(k)fluoranthene
Concen: 17.204 ng/ul m
RT: 24.504 min Scan# 31
Delta R.T. 0.010 min
Lab File: BG057316.D
Acq: 5 May 2023 12:55

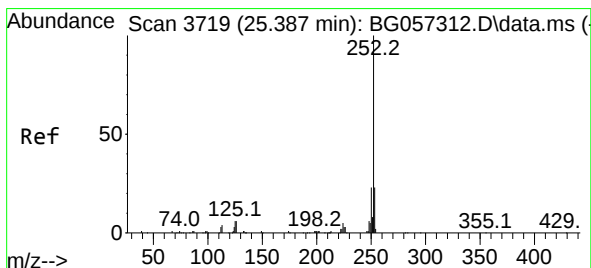
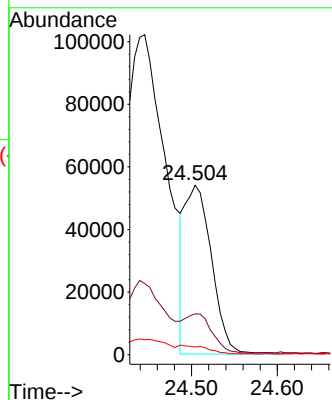
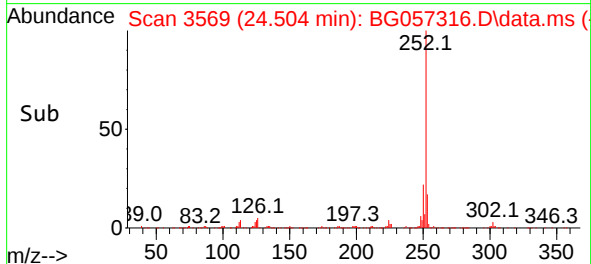
Instrument :
BNA_G
ClientSampleId :
EW976



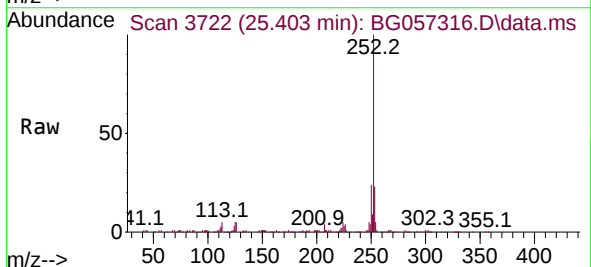
Tgt Ion:252 Resp: 117220
Ion Ratio Lower Upper
252 100
253 24.1 17.7 26.5
125 4.6 4.5 6.7

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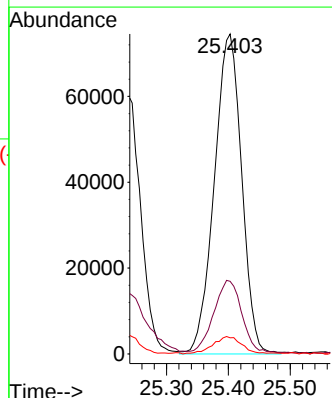
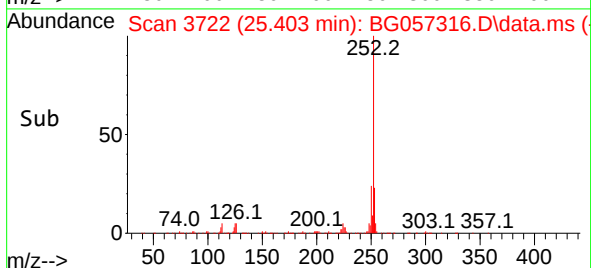
Reviewed By :Christian Giraldo 05/08/2023
Supervised By :Jagrut Upadhyay 05/08/2023

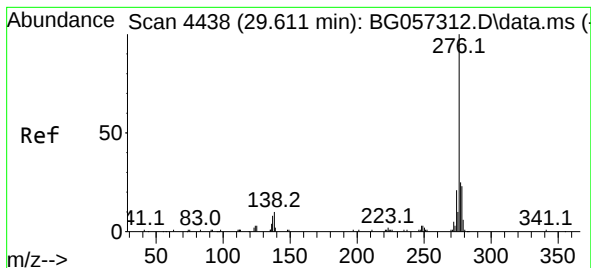


#93
Benzo(a)pyrene
Concen: 37.950 ng/ul m
RT: 25.403 min Scan# 3722
Delta R.T. 0.015 min
Lab File: BG057316.D
Acq: 5 May 2023 12:55



Tgt Ion:252 Resp: 229455
Ion Ratio Lower Upper
252 100
253 22.7 17.2 25.8
125 5.0 5.1 7.7#





#94

Indeno(1,2,3-cd)pyrene

Concen: 21.878 ng/ul m

RT: 29.638 min Scan# 4443

Delta R.T. 0.027 min

Lab File: BG057316.D

Acq: 5 May 2023 12:55

Instrument :

BNA_G

ClientSampleId :

EW976

Tgt Ion:276 Resp: 165350

Ion Ratio Lower Upper

276 100

138 10.2 9.4 14.2

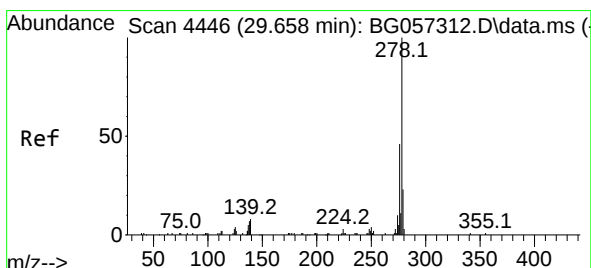
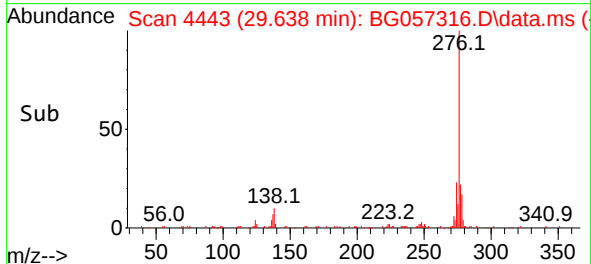
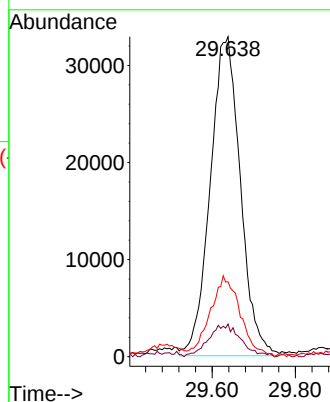
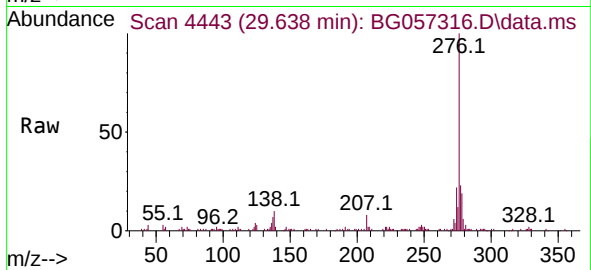
277 23.4 18.6 28.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/08/2023

Supervised By :Jagrut Upadhyay 05/08/2023



#95

Dibenzo(a,h)anthracene

Concen: 7.201 ng/ul m

RT: 29.674 min Scan# 4449

Delta R.T. 0.015 min

Lab File: BG057316.D

Acq: 5 May 2023 12:55

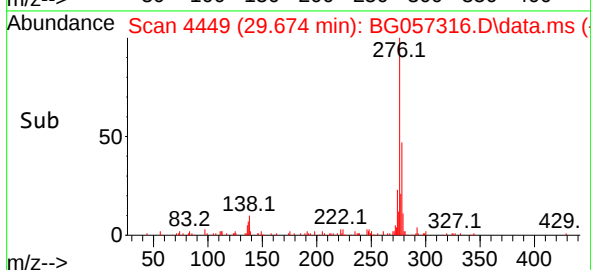
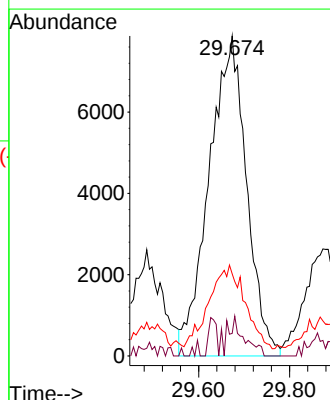
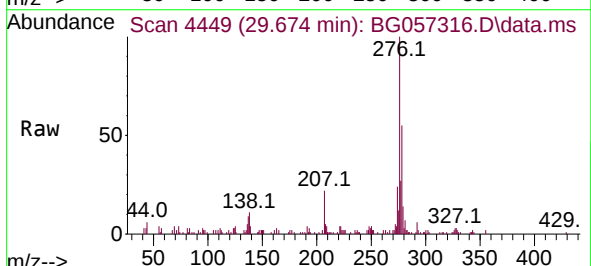
Tgt Ion:278 Resp: 45127

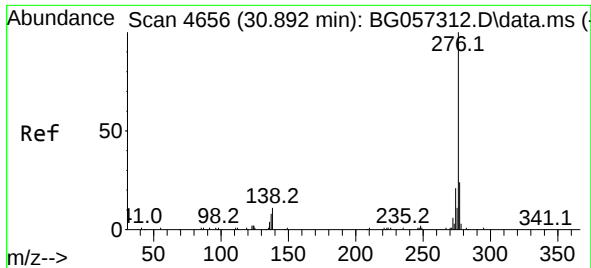
Ion Ratio Lower Upper

278 100

139 7.1 5.8 8.6

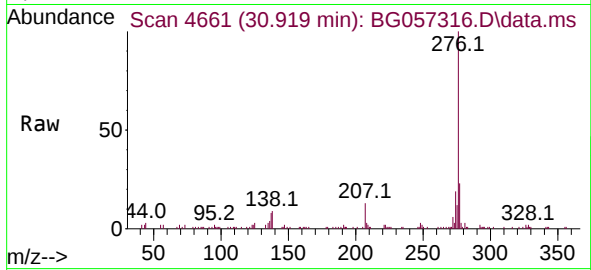
279 25.7 18.3 27.5





#96
 Benzo(g,h,i)perylene
 Concen: 23.207 ng/ul m
 RT: 30.919 min Scan# 4
 Delta R.T. 0.027 min
 Lab File: BG057316.D
 Acq: 5 May 2023 12:55

Instrument :
 BNA_G
 ClientSampleId :
 EW976



Tgt Ion:276 Resp: 141950
 Ion Ratio Lower Upper
 276 100
 138 9.2 8.7 13.1
 277 22.8 18.4 27.6

Manual Integrations
 APPROVED

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

