

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050123\
 Data File : BG057250.D
 Acq On : 1 May 2023 13:21
 Operator : CG/JU
 Sample : 02418-30 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW904

Manual Integrations
 APPROVED

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

Quant Time: May 01 23:03:11 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

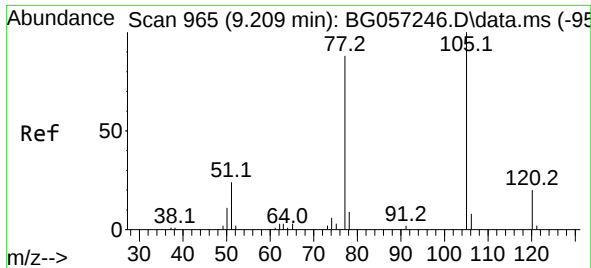
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.384	152	18253	20.000	ng/u1	0.00
20) Naphthalene-d8	11.221	136	76399	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.993	164	58128	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.736	188	129645	20.000	ng/u1	0.00
79) Chrysene-d12	22.059	240	107171	20.000	ng/u1	# 0.00
88) Perylene-d12	25.584	264	117841	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	7.514	99	2513	1.456	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.685	67	1525	1.502	ng/u1	0.00
11) 2-Chlorophenol-d4	7.908	132	1992	1.751	ng/u1	0.00
15) 4-Methylphenol-d8	9.089	113	1889	1.440	ng/u1	0.00
21) Nitrobenzene-d5	9.559	128	903	1.484	ng/u1	0.00
24) 2-Nitrophenol-d4	10.287	143	1055	1.486	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.839	165	2273	1.659	ng/u1	0.00
31) 4-Chloroaniline-d4	11.362	131	541	0.298	ng/u1	0.01
46) Dimethylphthalate-d6	14.382	166	7977	1.732	ng/u1	0.00
49) Acenaphthylene-d8	14.693	160	9616	1.858	ng/u1	0.00
54) 4-Nitrophenol-d4	15.204	143	347	0.518	ng/u1	0.03
60) Fluorene-d10	15.979	176	7846	1.829	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0	0.000	ng/u1	
73) Anthracene-d10	17.836	188	11349	1.918	ng/u1	0.00
81) Pyrene-d10	20.097	212	12992	2.042	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.337	264	11581	1.929	ng/u1	0.01

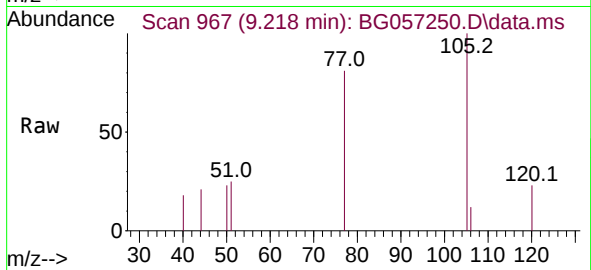
Target Compounds				Qvalue		
16) Acetophenone	9.218	105	2512	1.113	ng/u1	92
30) Naphthalene	11.268	128	7991	1.905	ng/u1	96
36) 2-Methylnaphthalene	12.848	142	3408	1.108	ng/u1	85
37) 1-Methylnaphthalene	13.060	142	3311	1.070	ng/u1#	95
52) Acenaphthene	15.057	153	18183	4.851	ng/u1	96
56) Dibenzofuran	15.392	168	19123	3.533	ng/u1	99
61) Fluorene	16.032	166	34979	7.643	ng/u1	95
72) Phenanthrene	17.783	178	692840	102.623	ng/u1	99
74) Anthracene	17.871	178	148615	21.914	ng/u1	97
77) Carbazole	18.129	167	39249	6.925	ng/u1	97
80) Fluoranthene	19.780	202	1832916	242.561	ng/u1	97
82) Pyrene	20.138	202	1480604	193.550	ng/u1	98
85) Benzo(a)anthracene	22.036	228	860249	113.494	ng/u1	98
87) Chrysene	22.112	228	864214	120.850	ng/u1	94
90) Benzo(b)fluoranthene	24.468	252	1194669	146.398	ng/u1#	96
91) Benzo(k)fluoranthene	24.527	252	412148m	51.914	ng/u1	
93) Benzo(a)pyrene	25.431	252	761916m	108.149	ng/u1	
94) Indeno(1,2,3-cd)pyrene	29.679	276	567133	64.399	ng/u1	97
95) Dibenzo(a,h)anthracene	29.708	278	145204	19.884	ng/u1	95
96) Benzo(g,h,i)perylene	30.959	276	463811m	65.076	ng/u1	

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



#16
Acetophenone
Concen: 1.113 ng/ul
RT: 9.218 min Scan# 90
Delta R.T. 0.009 min
Lab File: BG057250.D
Acq: 1 May 2023 13:21

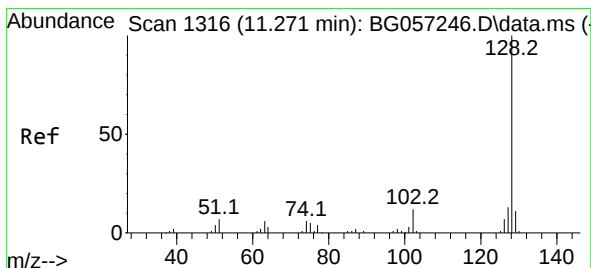
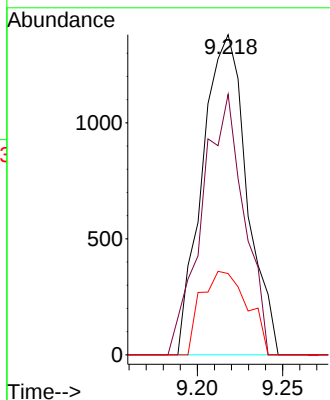
Instrument :
BNA_G
ClientSampleId :
EW904



Tgt Ion:	105	Resp:	251
Ion Ratio	Lower	Upper	
105	100		
77	81.4	70.6	105.8
51	25.4	24.5	36.7

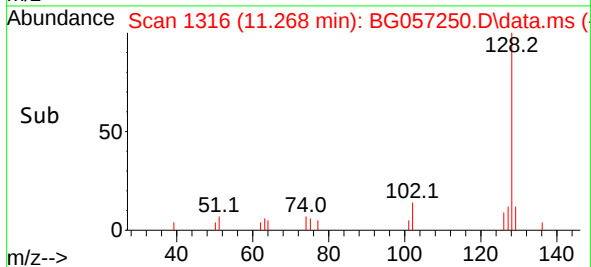
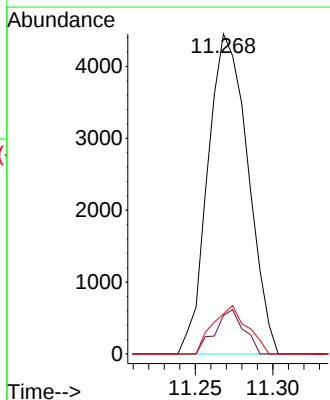
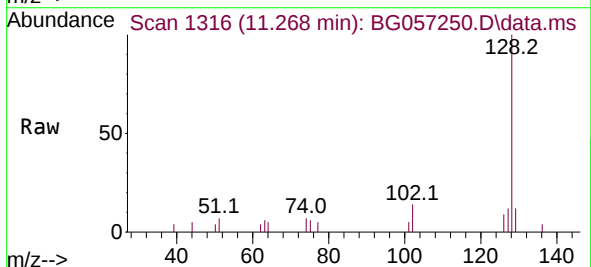
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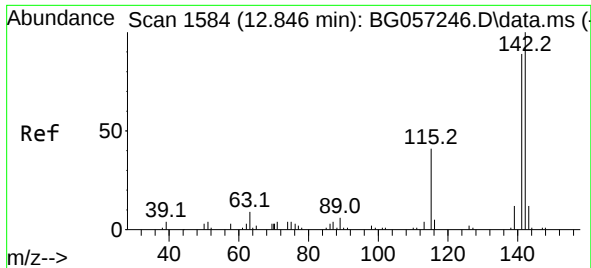
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#30
Naphthalene
Concen: 1.905 ng/ul
RT: 11.268 min Scan# 1316
Delta R.T. -0.003 min
Lab File: BG057250.D
Acq: 1 May 2023 13:21

Tgt Ion:	128	Resp:	7991
Ion Ratio	Lower	Upper	
128	100		
129	12.1	8.5	12.7
127	12.5	11.4	17.0





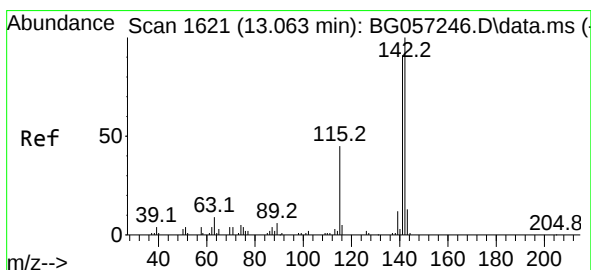
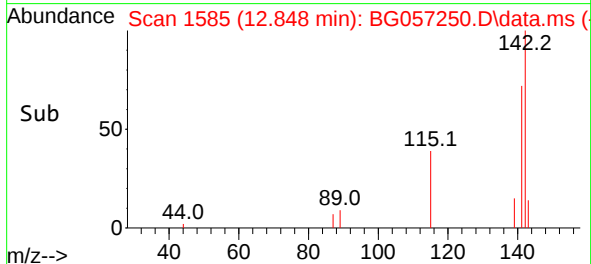
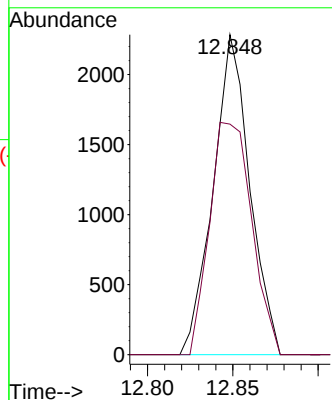
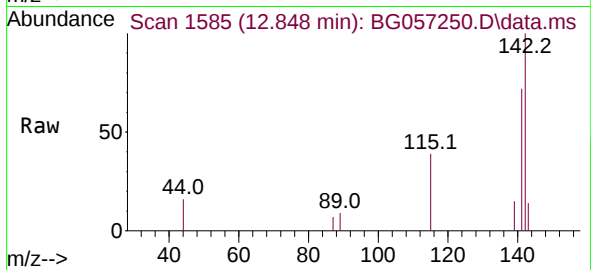
#36
2-Methylnaphthalene
Concen: 1.108 ng/ul
RT: 12.848 min Scan# 1584
Delta R.T. 0.003 min
Lab File: BG057250.D
Acq: 1 May 2023 13:21

Instrument :
BNA_G
ClientSampleId :
EW904

Tgt Ion:142 Resp: 3408
Ion Ratio Lower Upper
142 100
141 72.0 68.7 103.1

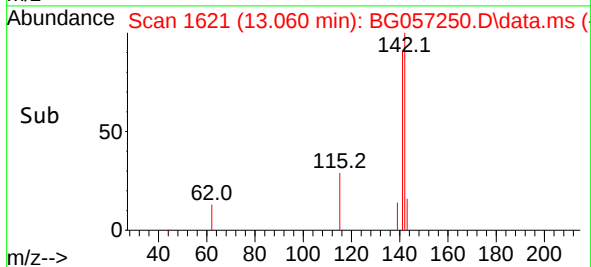
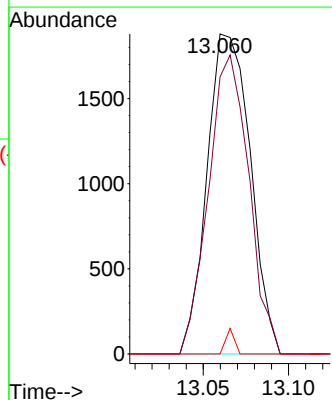
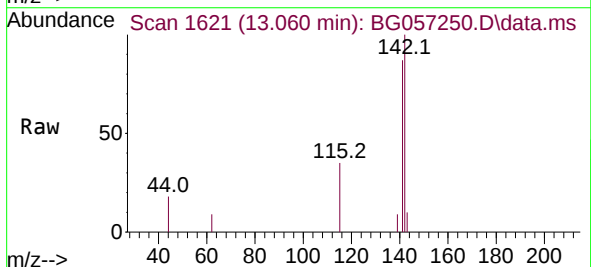
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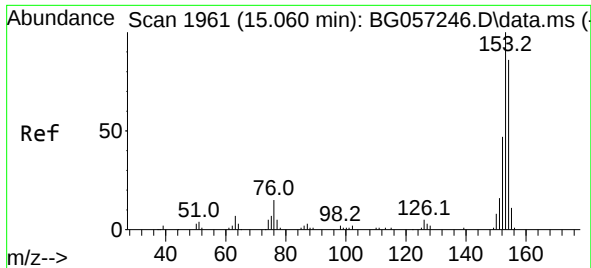
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#37
1-Methylnaphthalene
Concen: 1.070 ng/ul
RT: 13.060 min Scan# 1621
Delta R.T. -0.003 min
Lab File: BG057250.D
Acq: 1 May 2023 13:21

Tgt Ion:142 Resp: 3311
Ion Ratio Lower Upper
142 100
141 86.5 72.9 109.3
116 0.0 3.2 4.8#





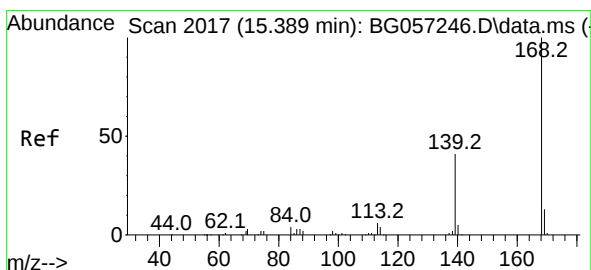
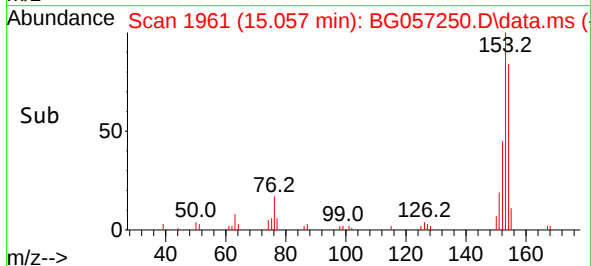
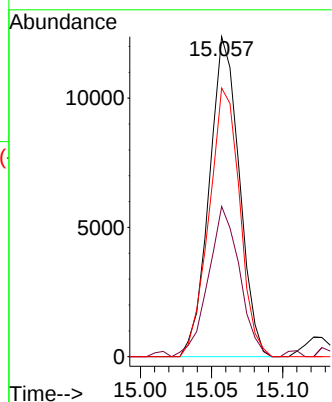
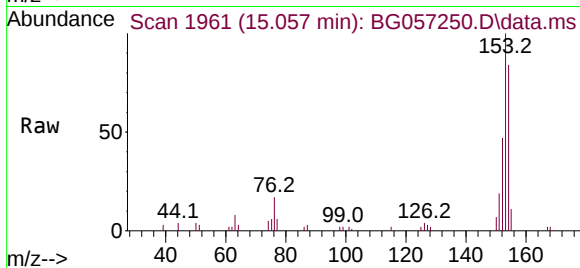
#52
Acenaphthene
Concen: 4.851 ng/ul
RT: 15.057 min Scan# 1961
Delta R.T. -0.003 min
Lab File: BG057250.D
Acq: 1 May 2023 13:21

Instrument :
BNA_G
ClientSampleId :
EW904

Tgt Ion:153 Resp: 1818
Ion Ratio Lower Upper
153 100
152 47.0 36.5 54.7
154 83.9 70.6 106.0

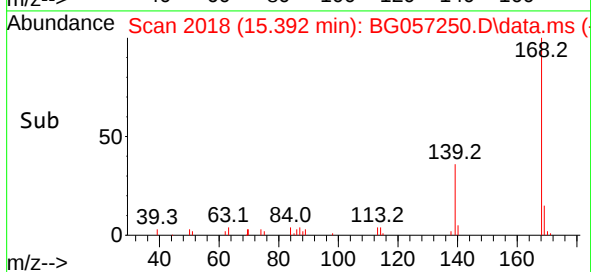
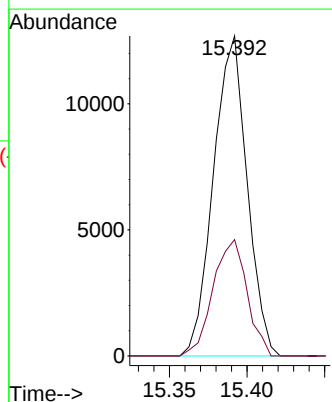
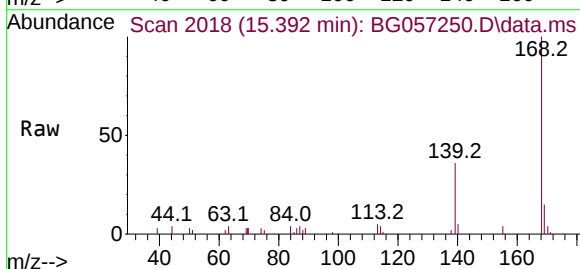
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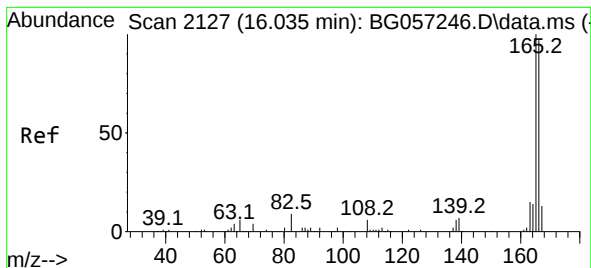
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#56
Dibenzofuran
Concen: 3.533 ng/ul
RT: 15.392 min Scan# 2018
Delta R.T. 0.003 min
Lab File: BG057250.D
Acq: 1 May 2023 13:21

Tgt Ion:168 Resp: 19123
Ion Ratio Lower Upper
168 100
139 36.4 29.6 44.4





#61

Fluorene

Concen: 7.643 ng/ul

RT: 16.032 min Scan# 2127

Delta R.T. -0.003 min

Lab File: BG057250.D

Acq: 1 May 2023 13:21

Instrument :

BNA_G

ClientSampleId :

EW904

Tgt Ion:166 Resp: 34979

Ion Ratio Lower Upper

166 100

165 94.8 80.1 120.1

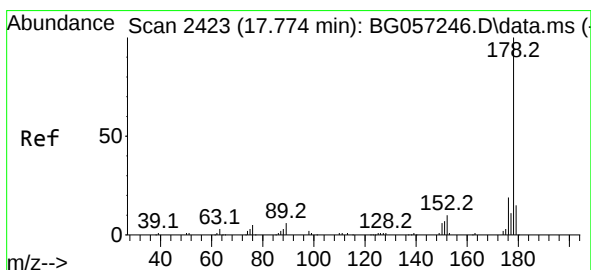
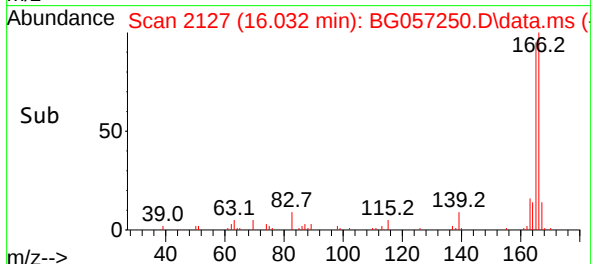
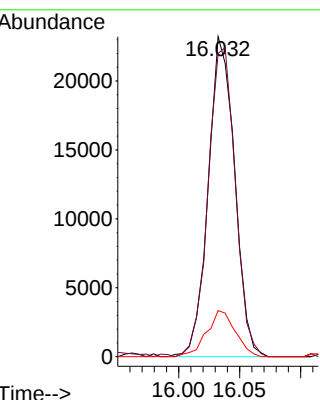
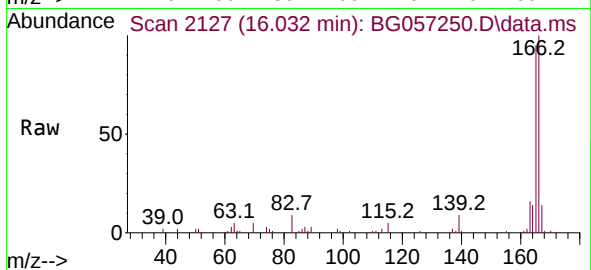
167 14.4 10.2 15.4

Manual Integrations

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Reviewed By :Christian Giraldo 05/02/2023

Supervised By :Jagrut Upadhyay 05/02/2023



#72

Phenanthrene

Concen: 102.623 ng/ul

RT: 17.783 min Scan# 2425

Delta R.T. 0.009 min

Lab File: BG057250.D

Acq: 1 May 2023 13:21

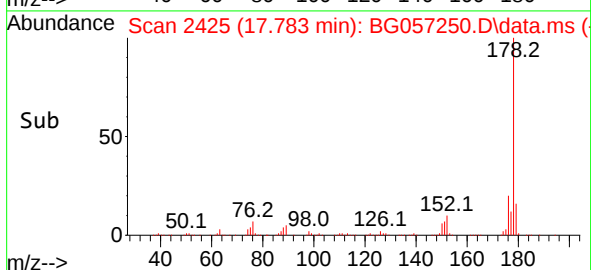
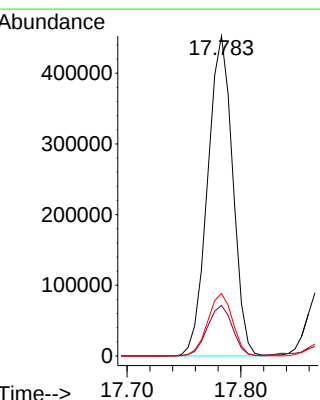
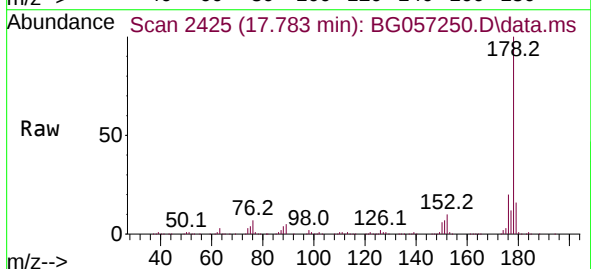
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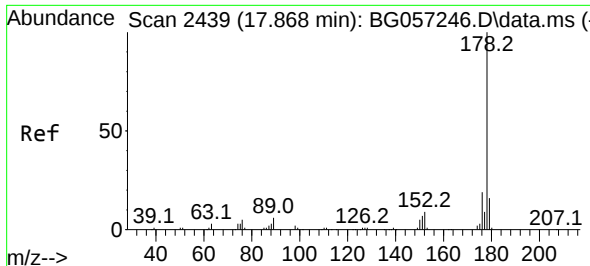
Ion Ratio Lower Upper

178 100

179 15.8 11.8 17.8

176 19.5 15.4 23.0





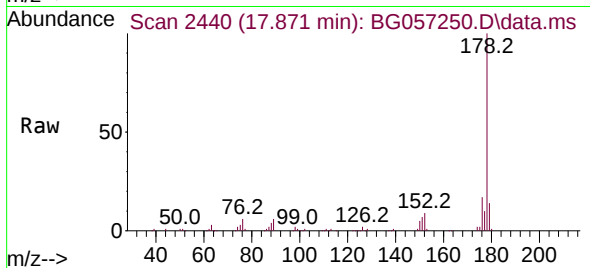
#74
 Anthracene
 Concen: 21.914 ng/uI
 RT: 17.871 min Scan# 2439
 Delta R.T. 0.003 min
 Lab File: BG057250.D
 Acq: 1 May 2023 13:21

Instrument :

BNA_G

ClientSampleId :

EW904

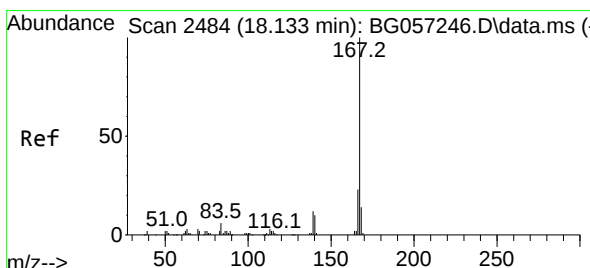
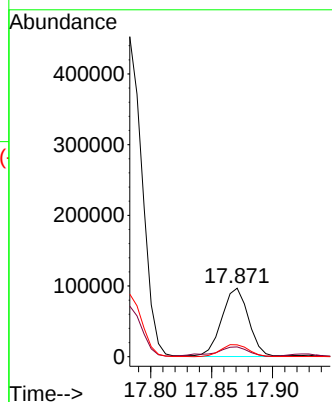
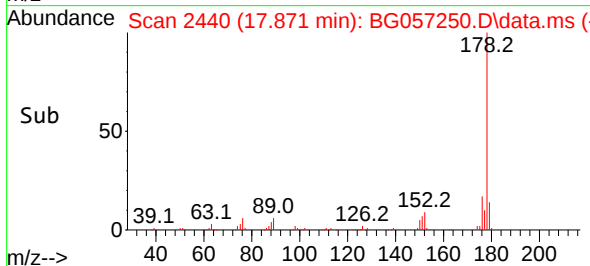


Tgt Ion:178 Resp: 148615
 Ion Ratio Lower Upper
 178 100
 179 14.2 12.5 18.7
 176 17.4 14.7 22.1

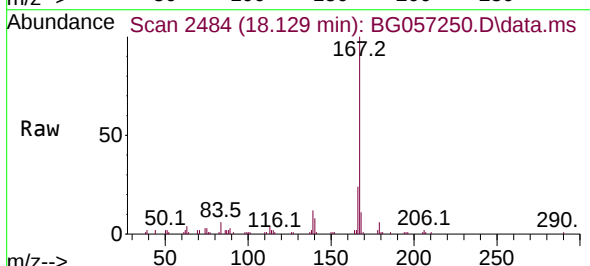
Manual Integrations

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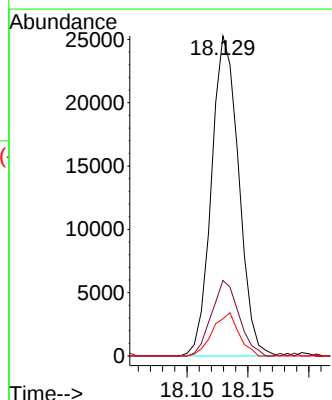
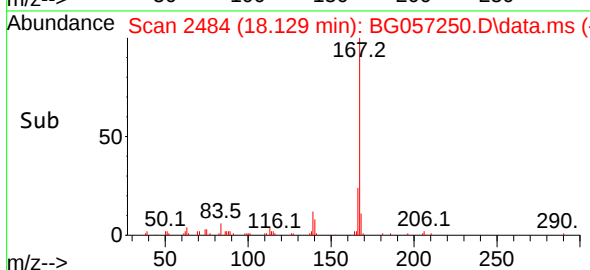
Reviewed By :Christian Giraldo 05/02/2023
 Supervised By :Jagrut Upadhyay 05/02/2023

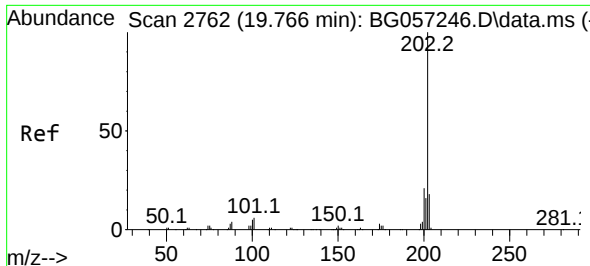


#77
 Carbazole
 Concen: 6.925 ng/uI
 RT: 18.129 min Scan# 2484
 Delta R.T. -0.003 min
 Lab File: BG057250.D
 Acq: 1 May 2023 13:21



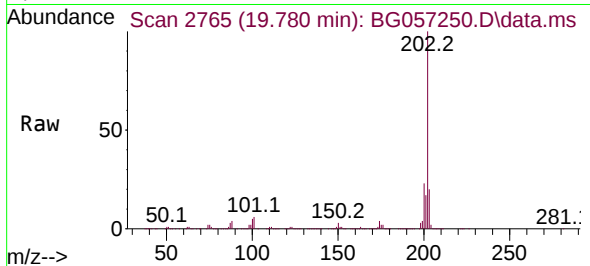
Tgt Ion:167 Resp: 39249
 Ion Ratio Lower Upper
 167 100
 166 23.6 18.0 27.0
 139 11.6 10.3 15.5





#80
Fluoranthene
Concen: 242.561 ng/u1
RT: 19.780 min Scan# 21
Delta R.T. 0.014 min
Lab File: BG057250.D
Acq: 1 May 2023 13:21

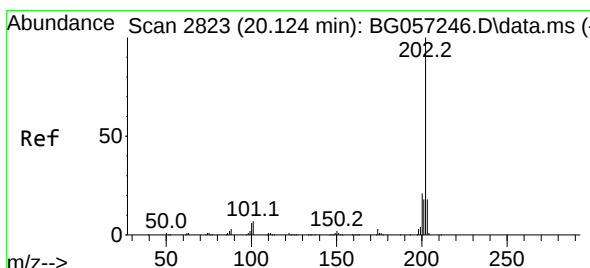
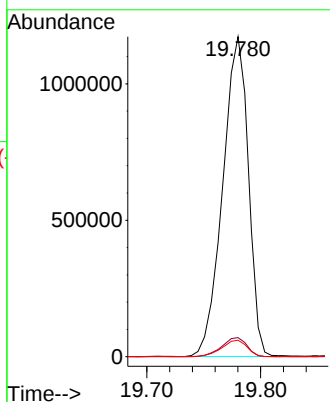
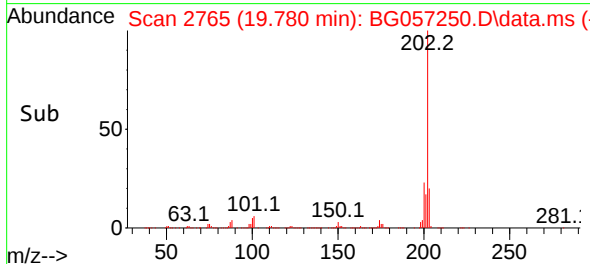
Instrument :
BNA_G
ClientSampleId :
EW904



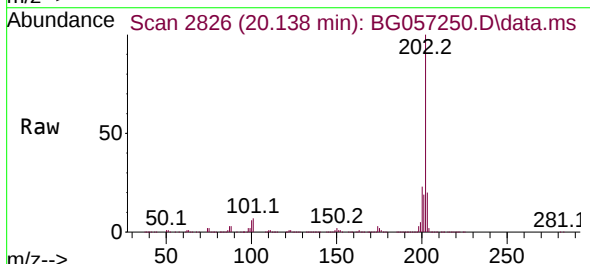
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Ion Ratio Lower Upper
202 100
101 6.0 5.8 8.6
100 5.1 4.6 7.0

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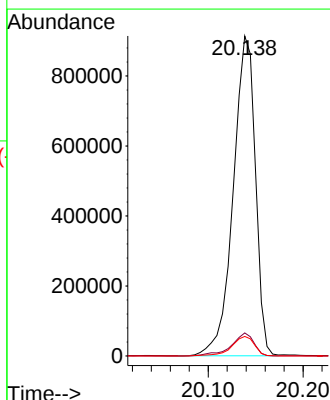
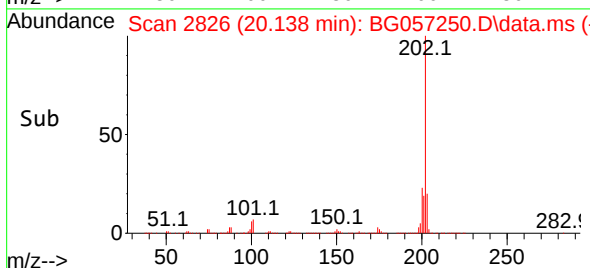
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023

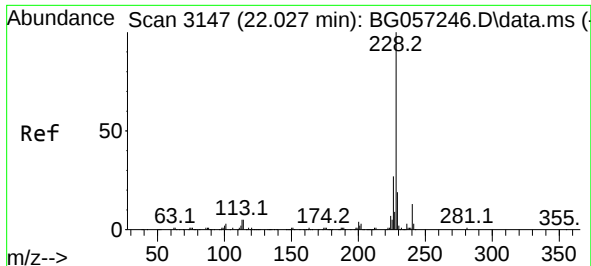


#82
Pyrene
Concen: 193.550 ng/u1
RT: 20.138 min Scan# 2826
Delta R.T. 0.014 min
Lab File: BG057250.D
Acq: 1 May 2023 13:21



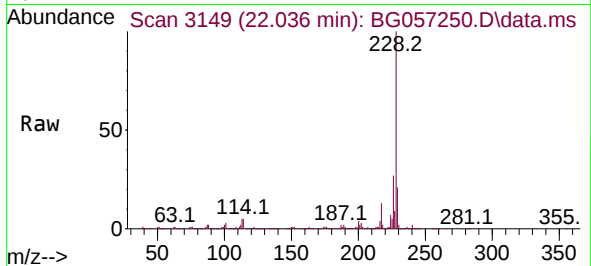
Tgt Ion:202 Resp: 1480604
Ion Ratio Lower Upper
202 100
101 7.2 5.7 8.5
100 6.1 6.0 9.0





#85
Benzo(a)anthracene
Concen: 113.494 ng/u1
RT: 22.036 min Scan# 3149
Delta R.T. 0.009 min
Lab File: BG057250.D
Acq: 1 May 2023 13:21

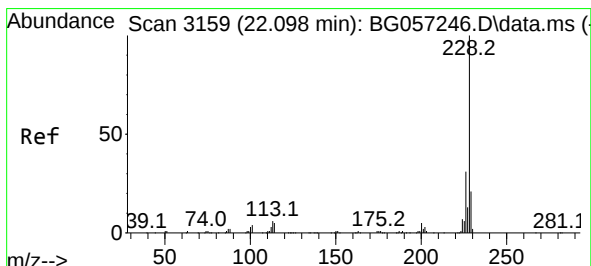
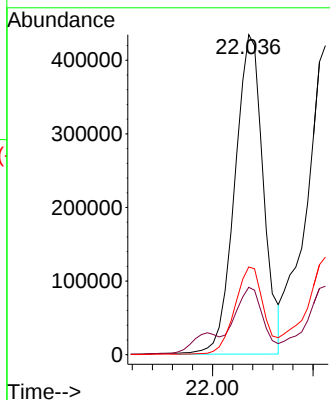
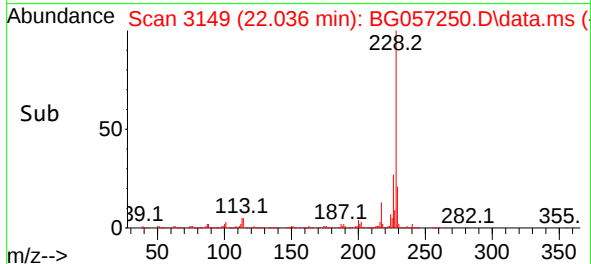
Instrument :
BNA_G
ClientSampleId :
EW904



Tgt Ion:228 Resp: 860249
Ion Ratio Lower Upper
228 100
229 21.1 15.8 23.6
226 27.4 21.7 32.5

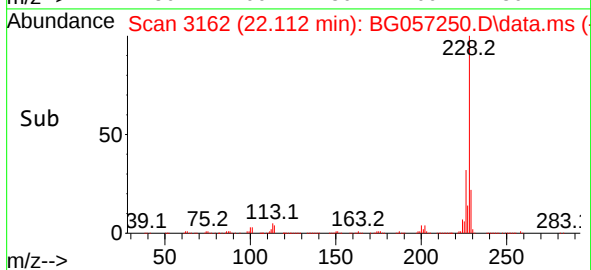
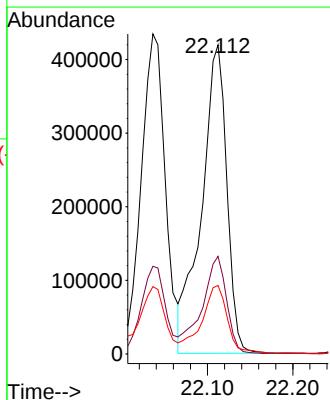
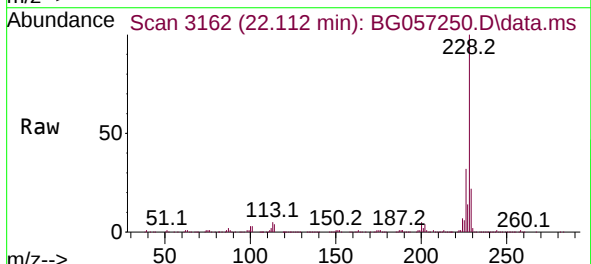
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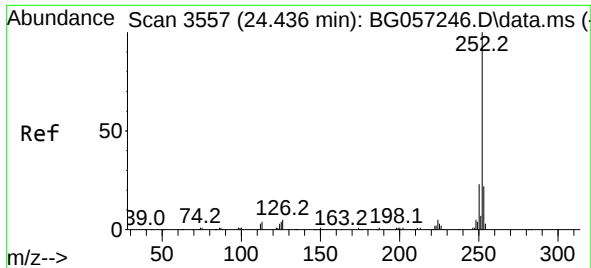
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#87
Chrysene
Concen: 120.850 ng/u1
RT: 22.112 min Scan# 3162
Delta R.T. 0.014 min
Lab File: BG057250.D
Acq: 1 May 2023 13:21

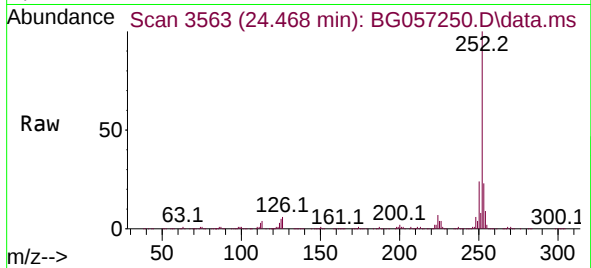
Tgt Ion:228 Resp: 864214
Ion Ratio Lower Upper
228 100
226 31.6 22.8 34.2
229 22.2 15.5 23.3





#90
Benzo(b)fluoranthene
Concen: 146.398 ng/ul
RT: 24.468 min Scan# 3563
Delta R.T. 0.032 min
Lab File: BG057250.D
Acq: 1 May 2023 13:21

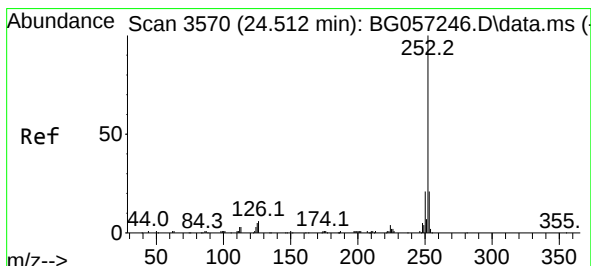
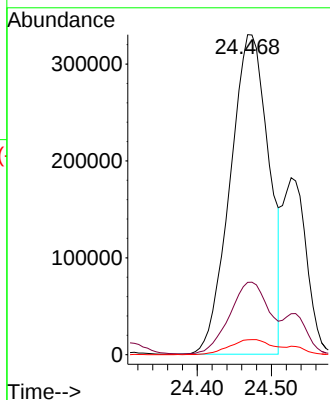
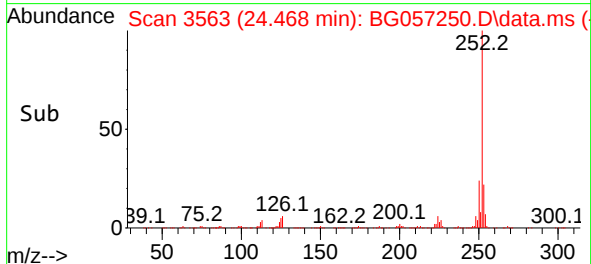
Instrument :
BNA_G
ClientSampleId :
EW904



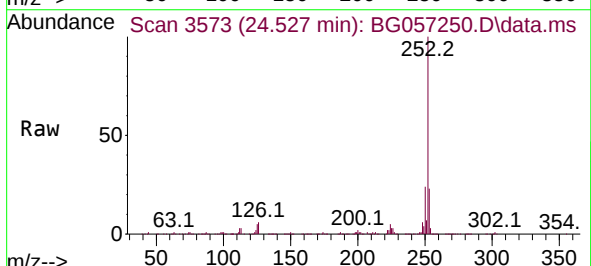
Tgt Ion:252 Resp: 119466
Ion Ratio Lower Upper
252 100
253 22.6 16.7 25.1
125 4.7 4.8 7.2

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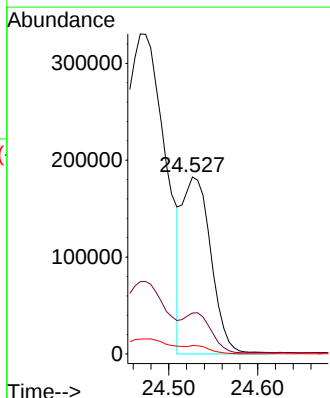
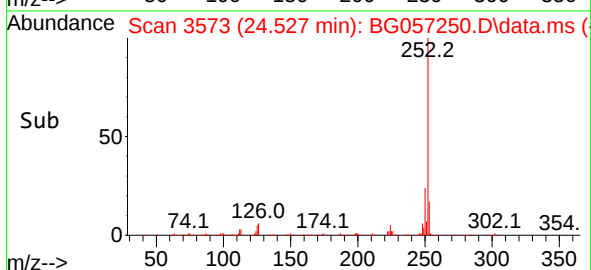
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023

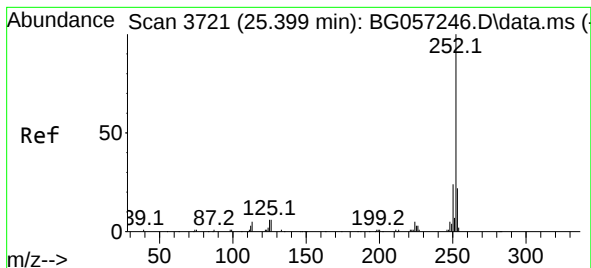


#91
Benzo(k)fluoranthene
Concen: 51.914 ng/ul m
RT: 24.527 min Scan# 3573
Delta R.T. 0.014 min
Lab File: BG057250.D
Acq: 1 May 2023 13:21



Tgt Ion:252 Resp: 412148
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 4.8 4.5 6.7





#93

Benzo(a)pyrene

Concen: 108.149 ng/ul m

RT: 25.431 min Scan# 3

Delta R.T. 0.032 min

Lab File: BG057250.D

Acq: 1 May 2023 13:21

Instrument :

BNA_G

ClientSampleId :

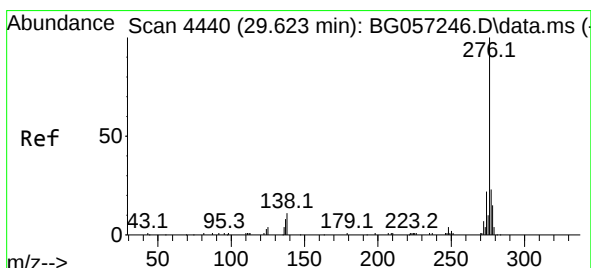
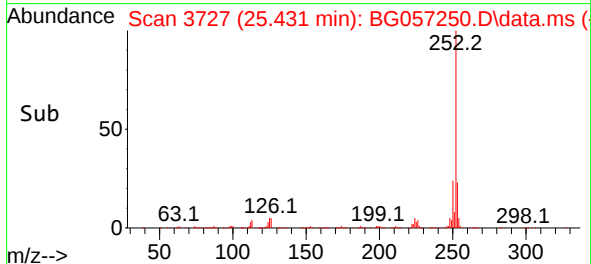
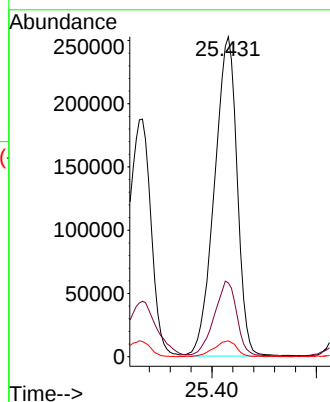
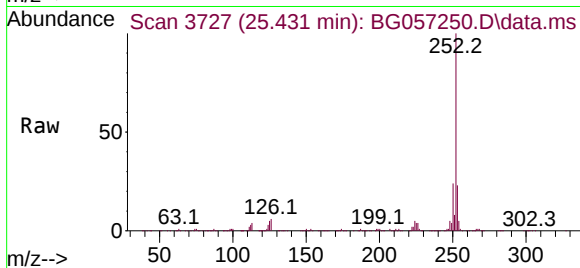
EW904

Tgt Ion:252 Resp: 761910
 Ion Ratio Lower Upper
 252 100
 253 23.1 17.2 25.8
 125 4.9 5.1 7.7

Manual Integrations

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



#94

Indeno(1,2,3-cd)pyrene

Concen: 64.399 ng/ul

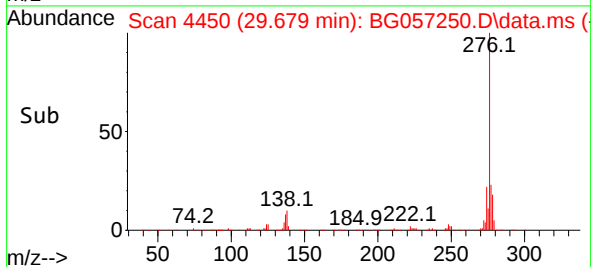
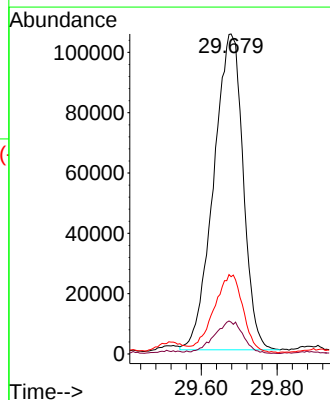
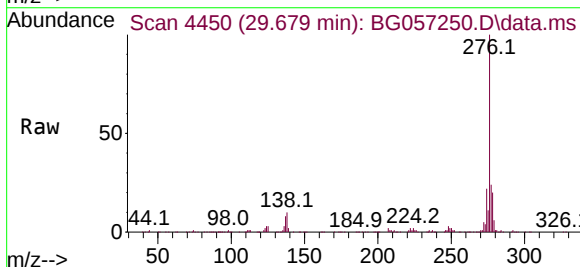
RT: 29.679 min Scan# 4450

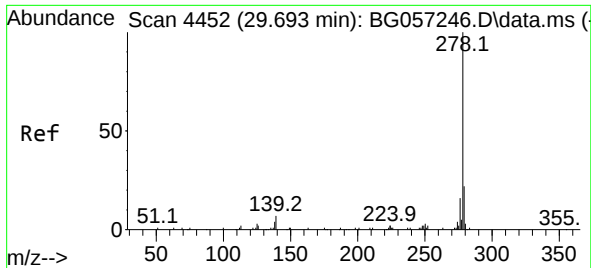
Delta R.T. 0.056 min

Lab File: BG057250.D

Acq: 1 May 2023 13:21

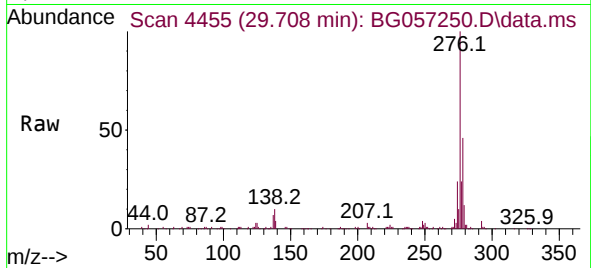
Tgt Ion:276 Resp: 567133
 Ion Ratio Lower Upper
 276 100
 138 9.9 9.4 14.2
 277 24.2 18.6 28.0





#95
Dibenzo(a,h)anthracene
Concen: 19.884 ng/ul
RT: 29.708 min Scan# 4452
Delta R.T. 0.014 min
Lab File: BG057250.D
Acq: 1 May 2023 13:21

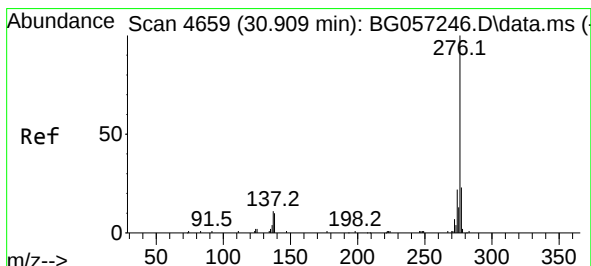
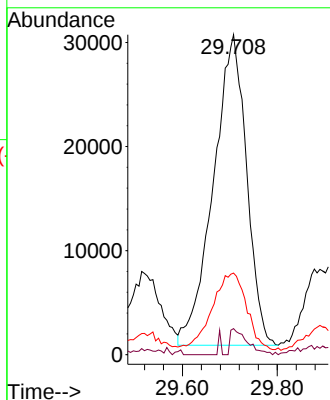
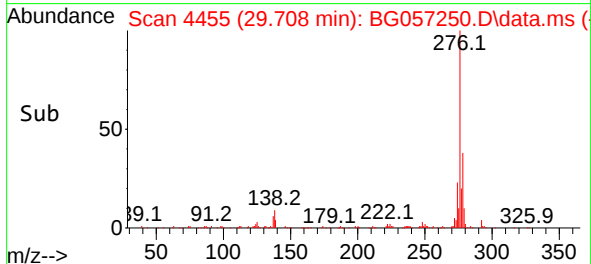
Instrument :
BNA_G
ClientSampleId :
EW904



Tgt Ion:278 Resp: 145204
Ion Ratio Lower Upper
278 100
139 8.2 5.8 8.6
279 25.5 18.3 27.5

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



#96
Benzo(g,h,i)perylene
Concen: 65.076 ng/ul m
RT: 30.959 min Scan# 4668
Delta R.T. 0.050 min
Lab File: BG057250.D
Acq: 1 May 2023 13:21

Tgt Ion:276 Resp: 463811
Ion Ratio Lower Upper
276 100
138 10.3 8.7 13.1
277 24.9 18.4 27.6

