

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072223\
 Data File : BG058418.D
 Acq On : 23 Jul 2023 3:11
 Operator : CG/JU
 Sample : 03504-11RE
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A46W9RE

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/24/2023
 Supervised By :mohammad ahmed 07/24/2023

Quant Time: Jul 23 03:53:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 18 02:19:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.896	152	79971	20.000	ng/u1	0.00
20) Naphthalene-d8	10.699	136	346083	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.536	164	219523	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.285	188	456469	20.000	ng/u1	0.00
79) Chrysene-d12	21.539	240	359005	20.000	ng/u1	0.00
88) Perylene-d12	24.677	264	468687	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.337	96	2202	1.013	ng/uL	0.00
4) Pyridine-d5	3.748	84	67255	10.429	ng/u1	0.00
7) Phenol-d5	7.068	99	40333	5.317	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.221	67	26919	5.677	ng/u1	0.00
11) 2-Chlorophenol-d4	7.432	132	30278	5.702	ng/u1	0.00
15) 4-Methylphenol-d8	8.607	113	12642	2.185	ng/u1	0.00
21) Nitrobenzene-d5	9.054	128	14536	5.604	ng/u1	0.00
24) 2-Nitrophenol-d4	9.776	143	14127	4.988	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.329	165	28313	5.215	ng/u1	0.00
31) 4-Chloroaniline-d4	10.881	131	1957m	0.249	ng/u1	0.04
46) Dimethylphthalate-d6	13.936	166	91641	5.414	ng/u1	0.00
49) Acenaphthylene-d8	14.230	160	103419	5.830	ng/u1	0.00
54) 4-Nitrophenol-d4	14.765	143	7014m	2.744	ng/u1	0.03
60) Fluorene-d10	15.528	176	82138	5.861	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.664	200	259	0.111	ng/u1	0.02
73) Anthracene-d10	17.385	188	111526	5.654	ng/u1	0.00
81) Pyrene-d10	19.671	212	110416	5.207	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.459	264	75509	3.333	ng/u1	0.00
Target Compounds						
					Qvalue	
6) Benzaldehyde	7.038	77	4775	1.559	ng/u1	96
8) Phenol	7.097	94	10847	1.377	ng/u1	94
16) Acetophenone	8.713	105	45020	4.568	ng/u1	99
30) Naphthalene	10.746	128	225373	12.183	ng/u1	99
36) 2-Methylnaphthalene	12.356	142	96143	7.757	ng/u1	98
37) 1-Methylnaphthalene	12.579	142	66186	5.211	ng/u1	98
43) 1,1'-Biphenyl	13.366	154	33885	2.283	ng/u1	92
52) Acenaphthene	14.600	153	323497	24.332	ng/u1	98
56) Dibenzofuran	14.935	168	352814	18.637	ng/u1	99
61) Fluorene	15.581	166	391588	25.224	ng/u1	99
72) Phenanthrene	17.332	178	2462997m	113.541	ng/u1	
74) Anthracene	17.415	178	830399	38.131	ng/u1	99
77) Carbazole	17.685	167	272237	14.421	ng/u1	99
80) Fluoranthene	19.348	202	2144110	88.266	ng/u1	96
82) Pyrene	19.706	202	1487050	60.417	ng/u1	98
85) Benzo(a)anthracene	21.521	228	1015300	42.075	ng/u1	95
86) Bis(2-ethylhexyl)phtha...	21.416	149	33898	2.459	ng/u1#	97
87) Chrysene	21.586	228	920409m	40.213	ng/u1	
90) Benzo(b)fluoranthene	23.689	252	1030579	38.004	ng/u1#	96
91) Benzo(k)fluoranthene	23.742	252	354753m	13.117	ng/u1	
93) Benzo(a)pyrene	24.530	252	380309	15.768	ng/u1	95
94) Indeno(1,2,3-cd)pyrene	28.261	276	270202	8.503	ng/u1	97
95) Dibenzo(a,h)anthracene	28.296	278	104590	4.014	ng/u1#	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

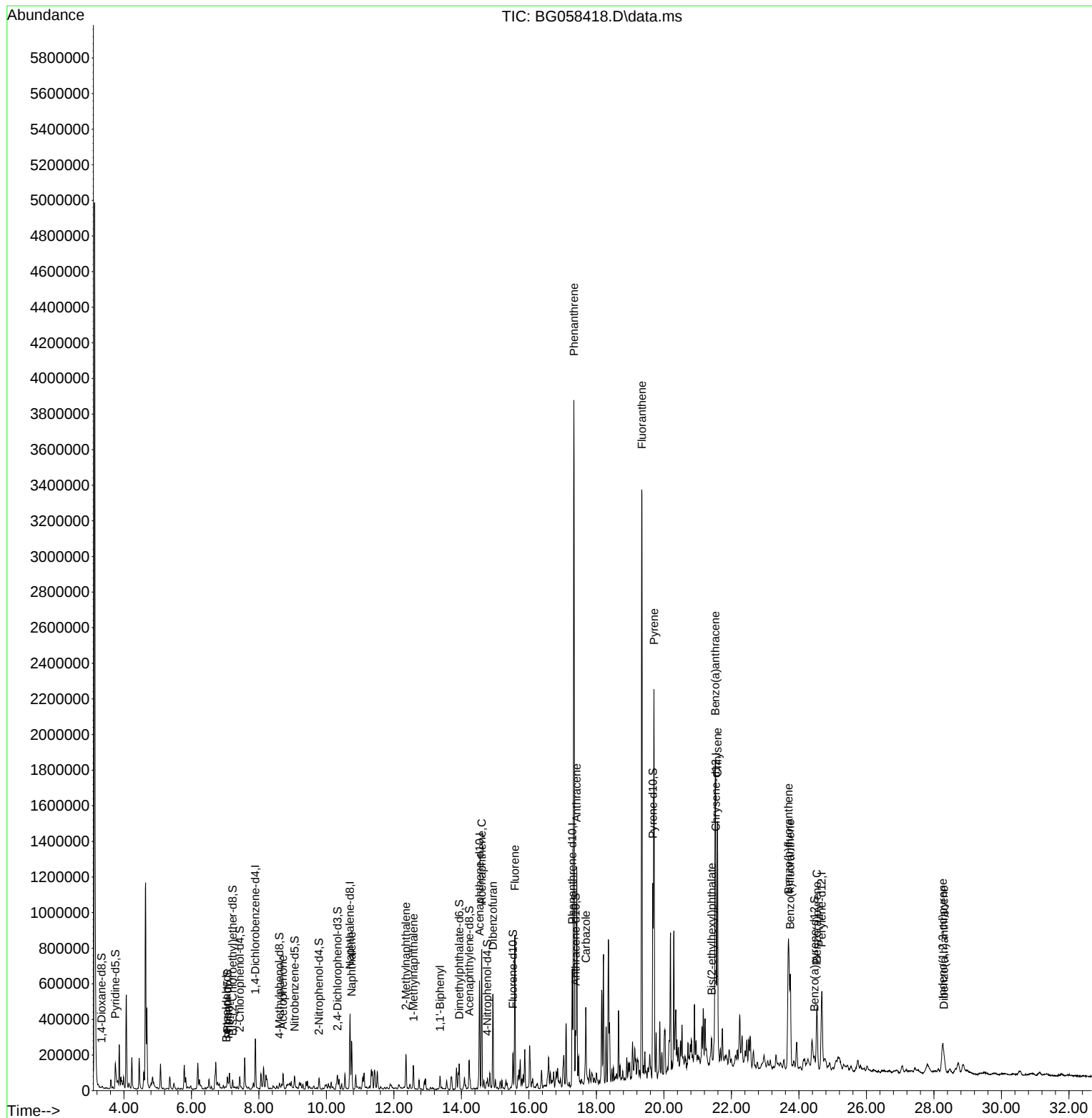
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072223\
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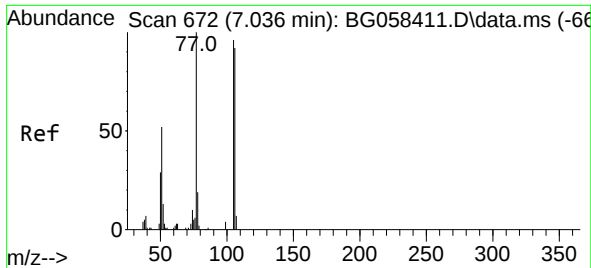
Instrument :
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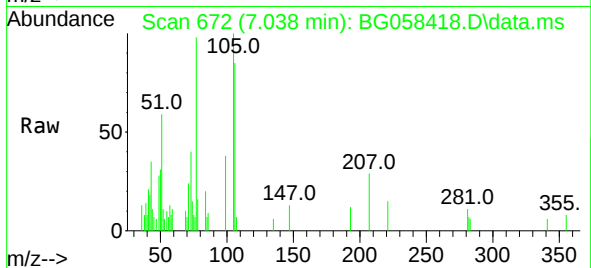
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023





#6
Benzaldehyde
Concen: 1.559 ng/ul
RT: 7.038 min Scan# 672
Delta R.T. 0.003 min
Lab File: BG058418.D
Acq: 23 Jul 2023 3:11

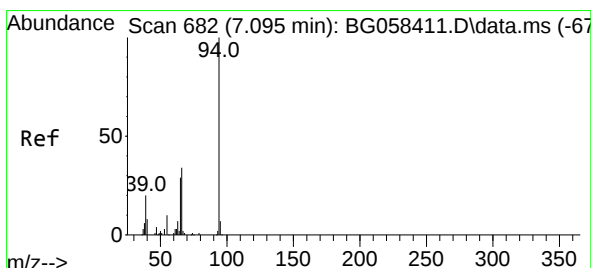
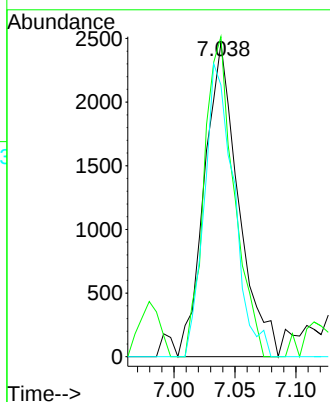
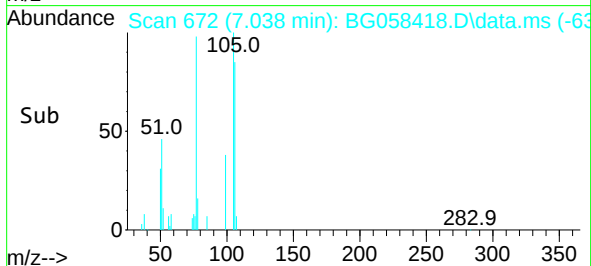
Instrument :
BNA_G
ClientSampleId :
A46W9RE



Tgt Ion: 77 Resp: 4775
Ion Ratio Lower Upper
77 100
105 102.0 78.2 117.4
106 86.6 71.6 107.4

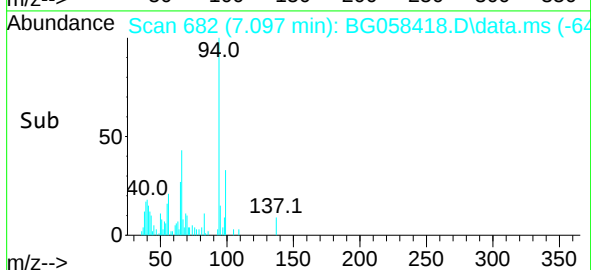
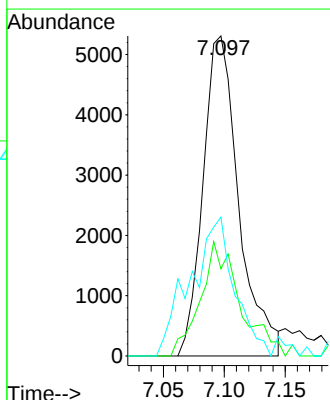
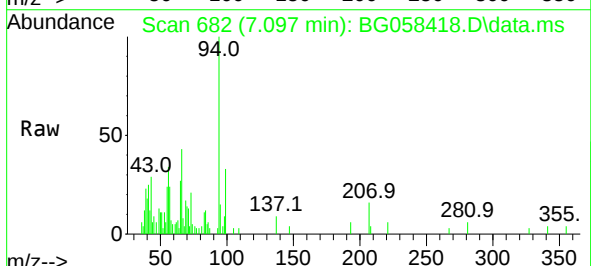
Manual Integrations
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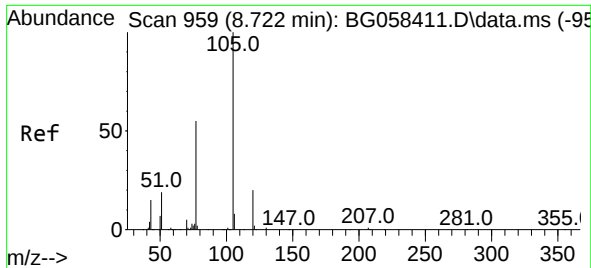
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#8
Phenol
Concen: 1.377 ng/ul
RT: 7.097 min Scan# 682
Delta R.T. 0.009 min
Lab File: BG058418.D
Acq: 23 Jul 2023 3:11

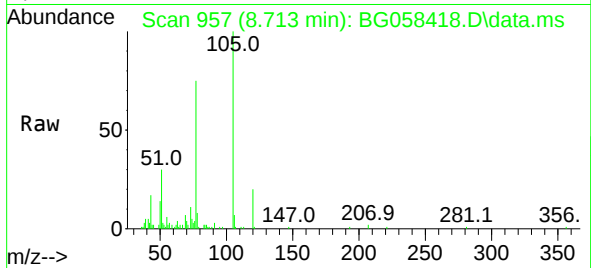
Tgt Ion: 94 Resp: 10847
Ion Ratio Lower Upper
94 100
65 27.3 23.8 35.8
66 43.4 31.2 46.8





#16
Acetophenone
Concen: 4.568 ng/ul
RT: 8.713 min Scan# 91
Delta R.T. -0.008 min
Lab File: BG058418.D
Acq: 23 Jul 2023 3:11

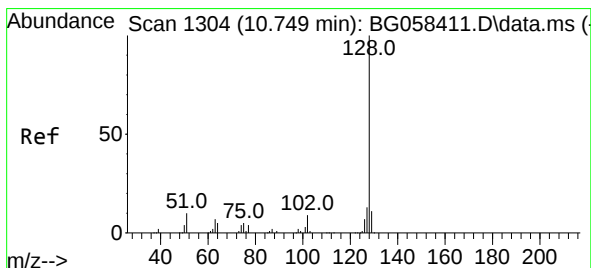
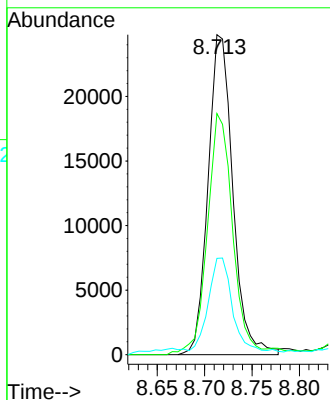
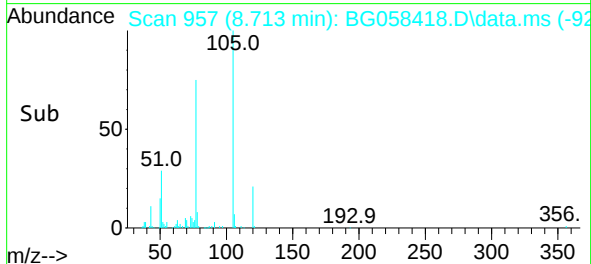
Instrument :
BNA_G
ClientSampleId :
A46W9RE



Tgt Ion:105 Resp: 45020
Ion Ratio Lower Upper
105 100
77 75.3 60.7 91.1
51 30.1 23.5 35.3

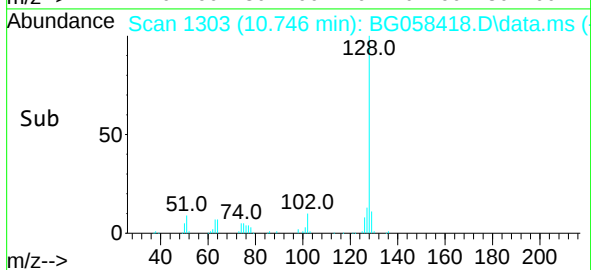
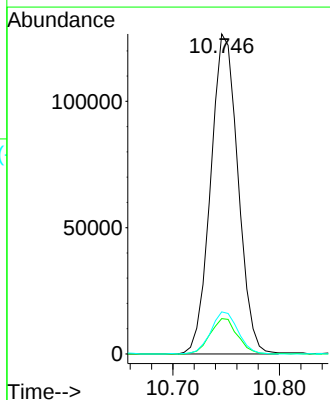
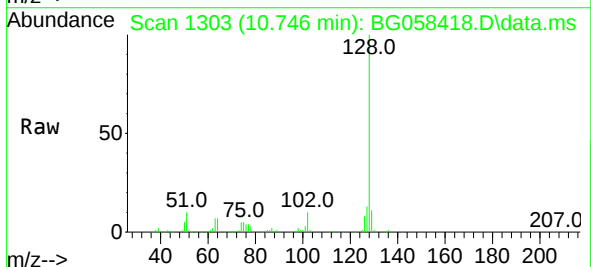
Manual Integrations
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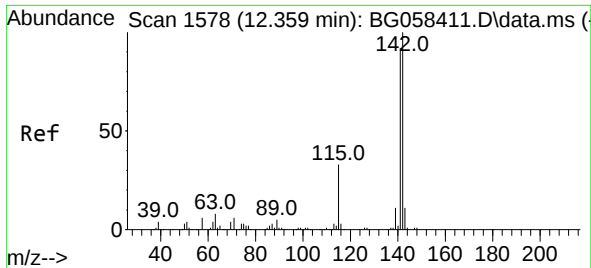
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#30
Naphthalene
Concen: 12.183 ng/ul
RT: 10.746 min Scan# 1303
Delta R.T. -0.008 min
Lab File: BG058418.D
Acq: 23 Jul 2023 3:11

Tgt Ion:128 Resp: 225373
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 13.2 10.8 16.2





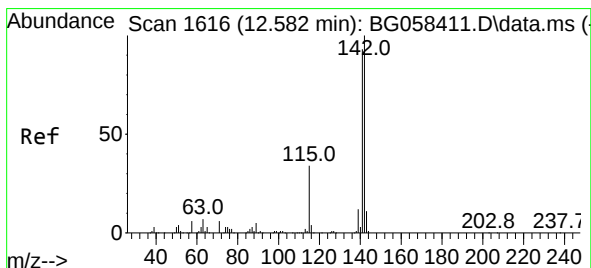
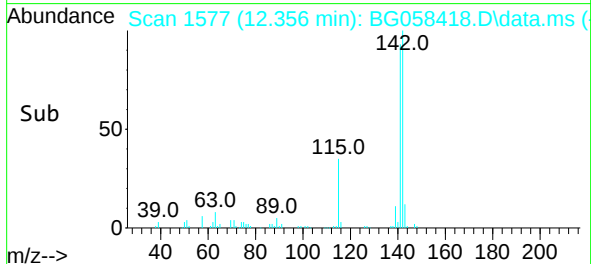
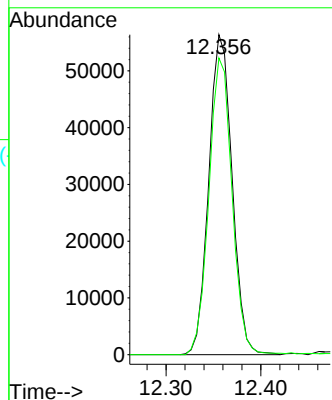
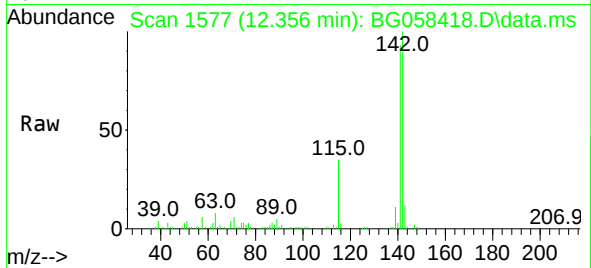
#36
2-Methylnaphthalene
Concen: 7.757 ng/ul
RT: 12.356 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG058418.D
Acq: 23 Jul 2023 3:11

Instrument :
BNA_G
ClientSampleId :
A46W9RE

Tgt Ion:142 Resp: 9614
Ion Ratio Lower Upper
142 100
141 92.7 72.6 108.8

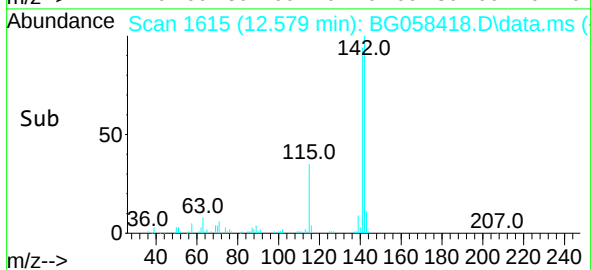
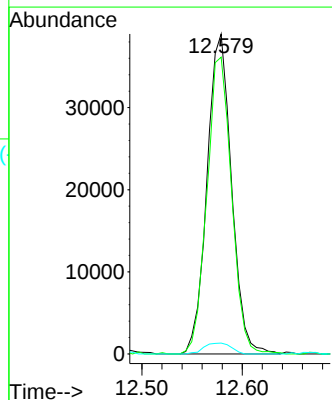
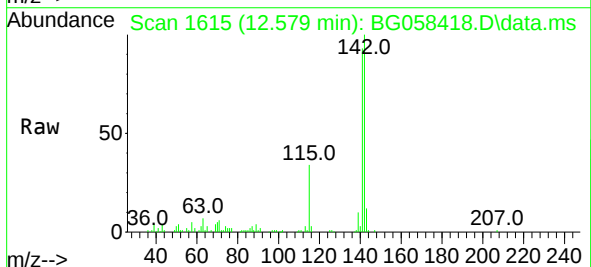
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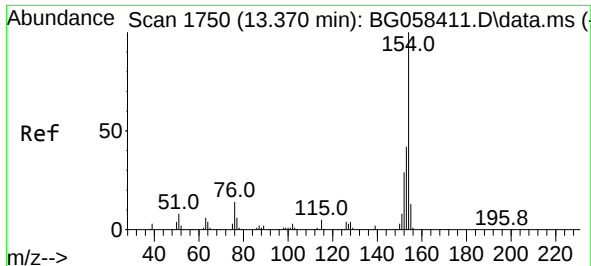
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#37
1-Methylnaphthalene
Concen: 5.211 ng/ul
RT: 12.579 min Scan# 1615
Delta R.T. -0.003 min
Lab File: BG058418.D
Acq: 23 Jul 2023 3:11

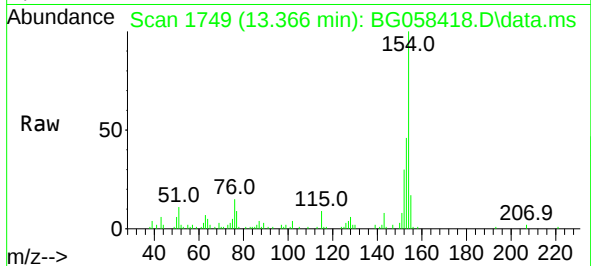
Tgt Ion:142 Resp: 66186
Ion Ratio Lower Upper
142 100
141 92.7 75.8 113.6
116 3.4 3.2 4.8





#43
1,1'-Biphenyl
Concen: 2.283 ng/ul
RT: 13.366 min Scan# 1749
Delta R.T. -0.003 min
Lab File: BG058418.D
Acq: 23 Jul 2023 3:11

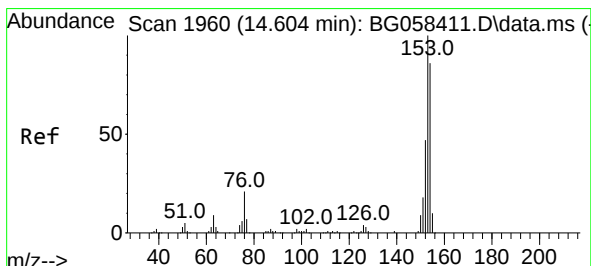
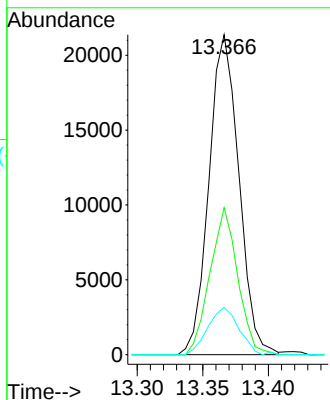
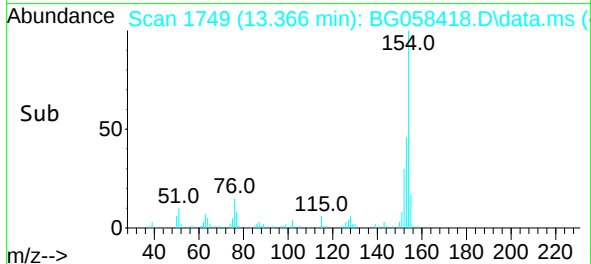
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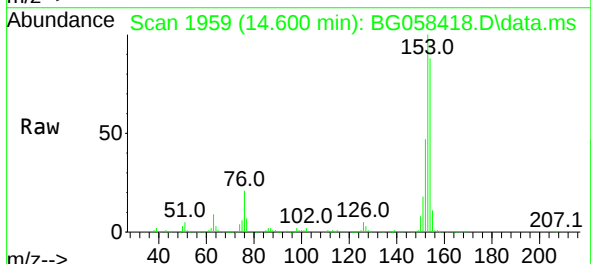
Tgt Ion:154 Resp: 3388
Ion Ratio Lower Upper
154 100
153 45.9 31.8 47.6
76 14.7 11.7 17.5

Manual Integrations
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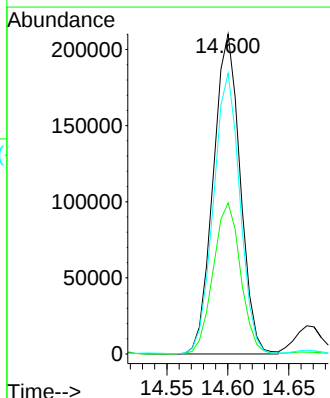
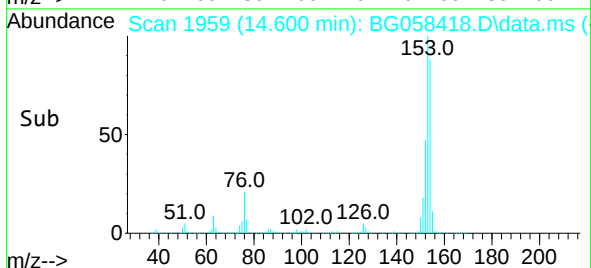
Reviewed By :Yogesh Patel 07/24/2023
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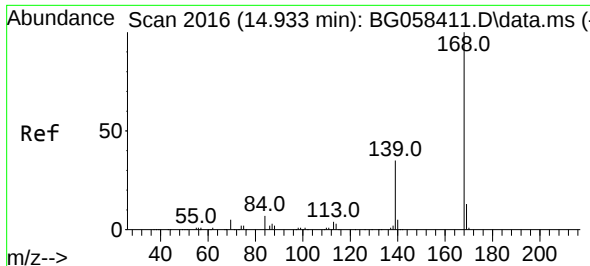


#52
Acenaphthene
Concen: 24.332 ng/ul
RT: 14.600 min Scan# 1959
Delta R.T. -0.003 min
Lab File: BG058418.D
Acq: 23 Jul 2023 3:11



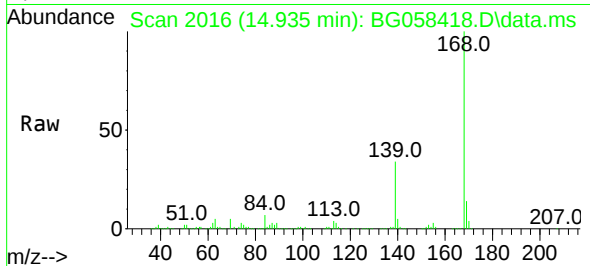
Tgt Ion:153 Resp: 323497
Ion Ratio Lower Upper
153 100
152 47.2 39.1 58.7
154 87.8 68.7 103.1





#56
Dibenzenofuran
Concen: 18.637 ng/ul
RT: 14.935 min Scan# 2016
Delta R.T. -0.003 min
Lab File: BG058418.D
Acq: 23 Jul 2023 3:11

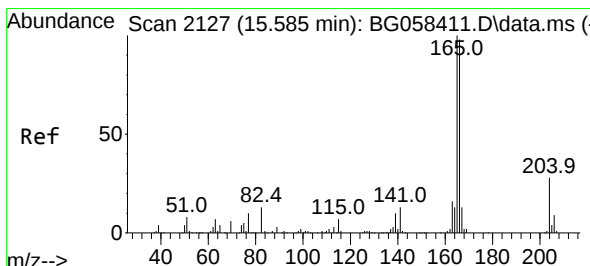
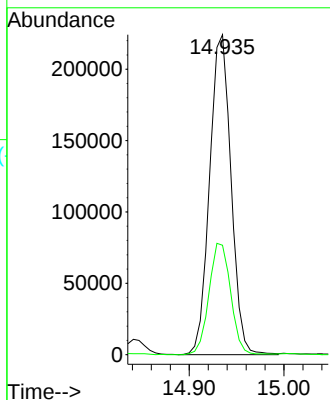
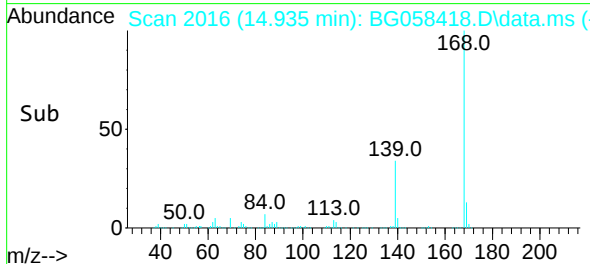
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Tgt Ion:168 Resp: 352814
Ion Ratio Lower Upper
168 100
139 34.2 27.8 41.8

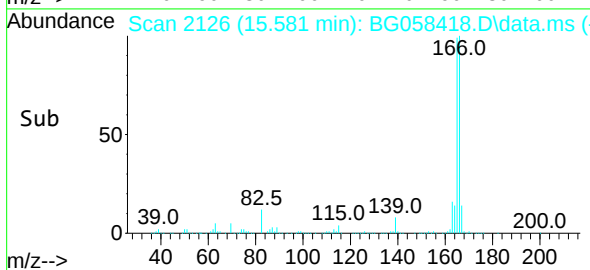
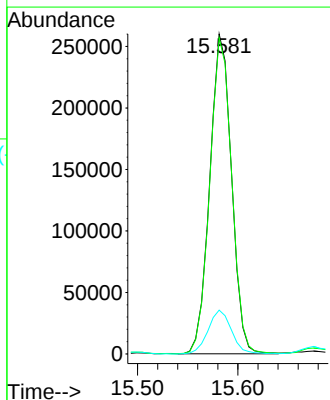
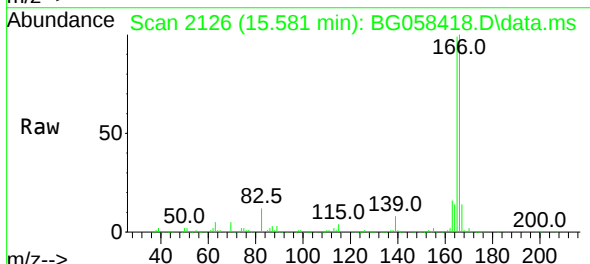
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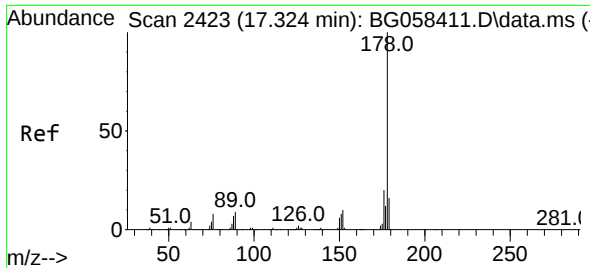
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#61
Fluorene
Concen: 25.224 ng/ul
RT: 15.581 min Scan# 2126
Delta R.T. -0.003 min
Lab File: BG058418.D
Acq: 23 Jul 2023 3:11

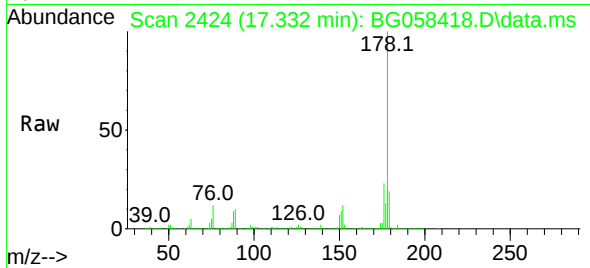
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Ion Ratio Lower Upper
166 100
165 98.8 80.2 120.2
167 13.7 10.5 15.7





#72
Phenanthrene
Concen: 113.541 ng/ul m
RT: 17.332 min Scan# 2423
Delta R.T. 0.009 min
Lab File: BG058418.D
Acq: 23 Jul 2023 3:11

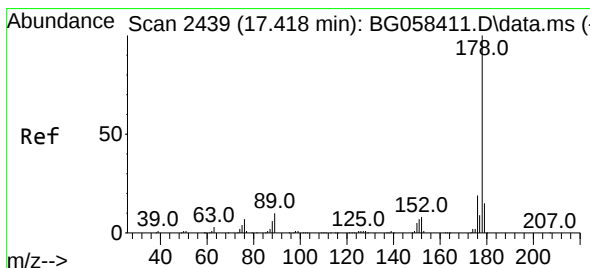
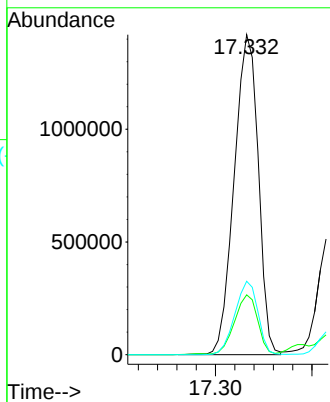
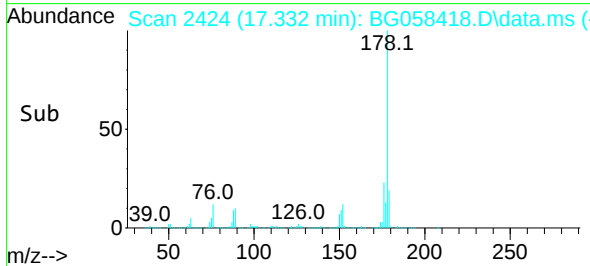
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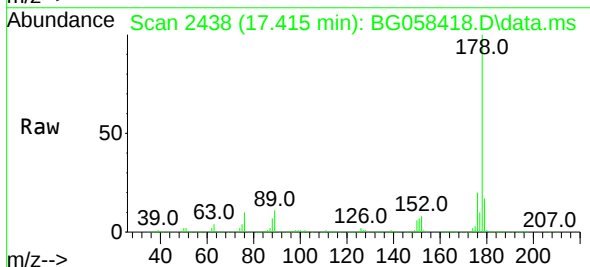
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Ion Ratio Lower Upper
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179 18.7 11.9 17.9
176 23.0 15.8 23.8

Manual Integrations
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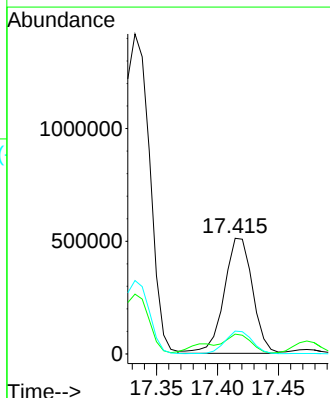
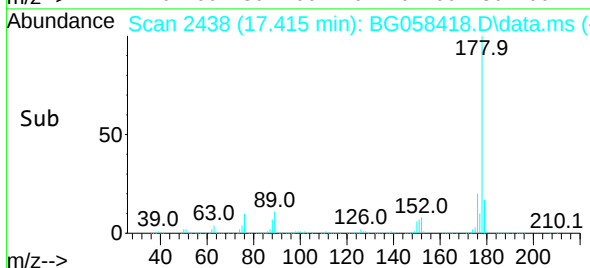
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023

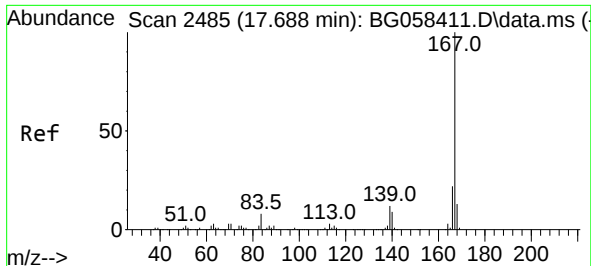


#74
Anthracene
Concen: 38.131 ng/ul
RT: 17.415 min Scan# 2438
Delta R.T. -0.003 min
Lab File: BG058418.D
Acq: 23 Jul 2023 3:11



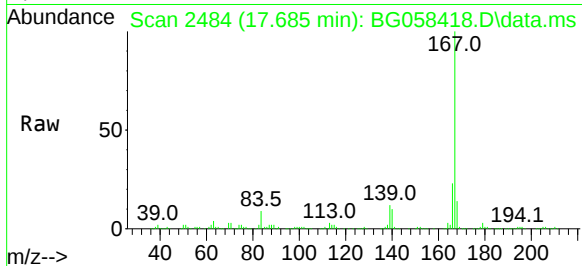
Tgt Ion:178 Resp: 830399
Ion Ratio Lower Upper
178 100
179 17.1 13.4 20.2
176 19.8 16.2 24.2





#77
 Carbazole
 Concen: 14.421 ng/ul
 RT: 17.685 min Scan# 2484
 Delta R.T. 0.003 min
 Lab File: BG058418.D
 Acq: 23 Jul 2023 3:11

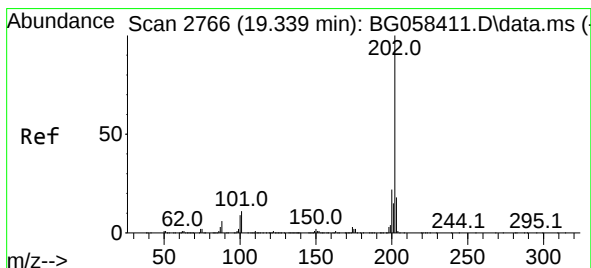
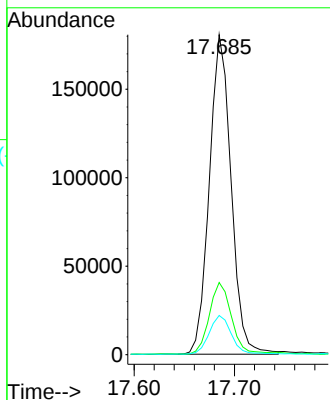
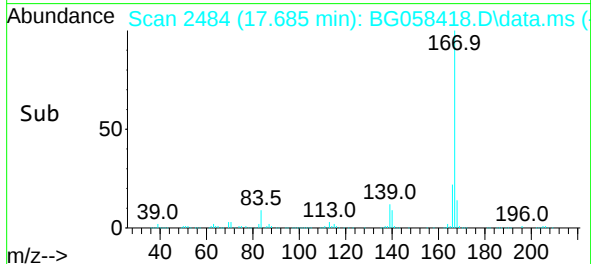
Instrument :
 BNA_G
 ClientSampleId :
 A46W9RE



Tgt Ion:167 Resp: 27223
 Ion Ratio Lower Upper
 167 100
 166 22.6 17.8 26.8
 139 12.2 9.4 14.0

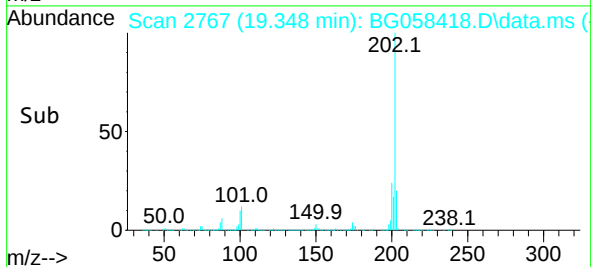
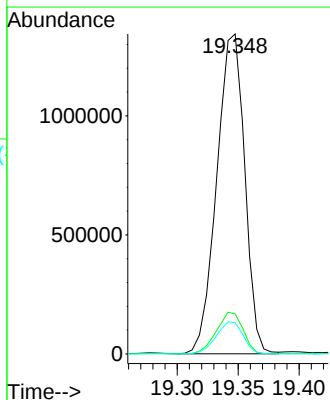
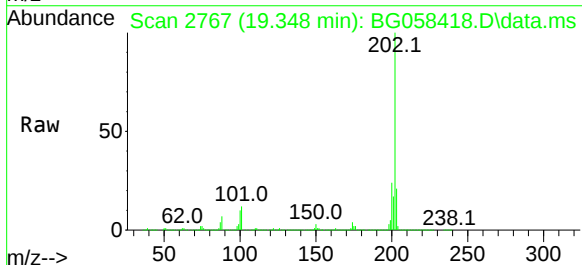
Manual Integrations
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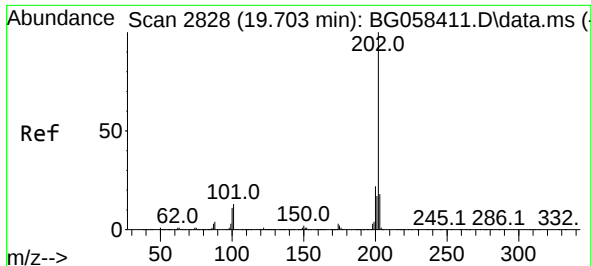
Reviewed By :Yogesh Patel 07/24/2023
 Supervised By :mohammad ahmed 07/24/2023



#80
 Fluoranthene
 Concen: 88.266 ng/ul
 RT: 19.348 min Scan# 2767
 Delta R.T. 0.015 min
 Lab File: BG058418.D
 Acq: 23 Jul 2023 3:11

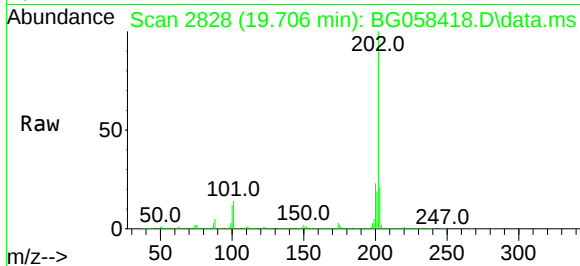
Tgt Ion:202 Resp: 2144110
 Ion Ratio Lower Upper
 202 100
 101 12.5 8.6 12.8
 100 9.7 7.2 10.8





#82
Pyrene
Concen: 60.417 ng/ul
RT: 19.706 min Scan# 21
Delta R.T. 0.009 min
Lab File: BG058418.D
Acq: 23 Jul 2023 3:11

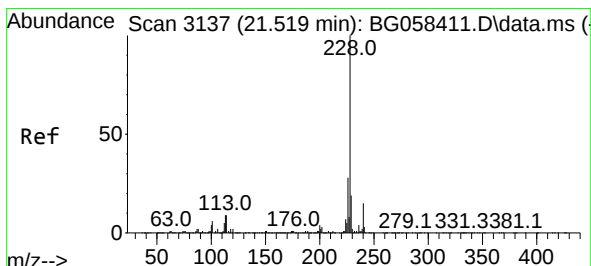
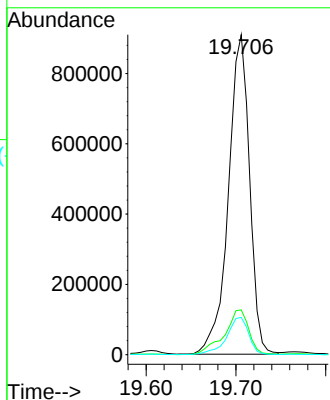
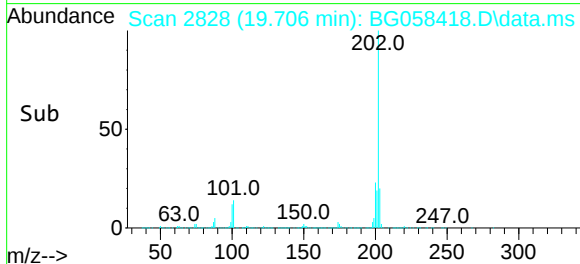
Instrument :
BNA_G
ClientSampleId :
A46W9RE



Tgt Ion:202 Resp: 1487050
Ion Ratio Lower Upper
202 100
101 14.0 10.2 15.2
100 11.7 8.9 13.3

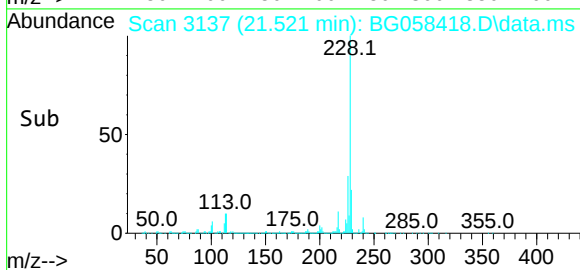
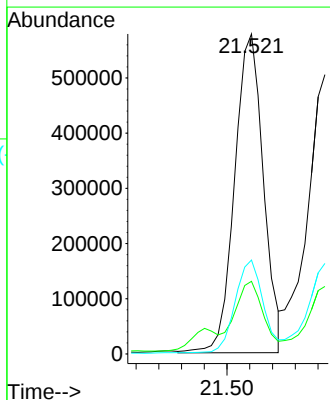
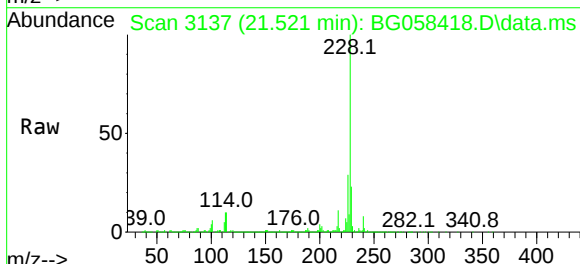
Manual Integrations
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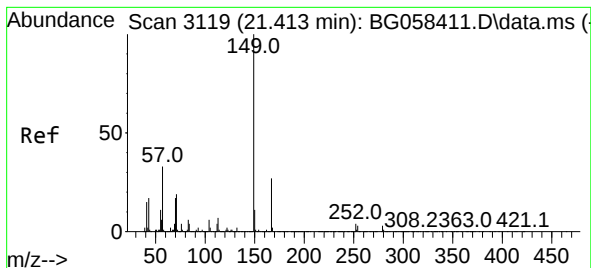
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#85
Benzo(a)anthracene
Concen: 42.075 ng/ul
RT: 21.521 min Scan# 3137
Delta R.T. 0.009 min
Lab File: BG058418.D
Acq: 23 Jul 2023 3:11

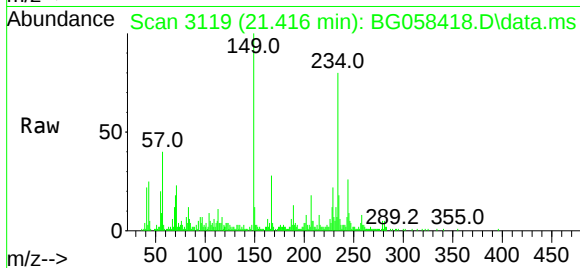
Tgt Ion:228 Resp: 1015300
Ion Ratio Lower Upper
228 100
229 22.7 15.7 23.5
226 29.4 21.8 32.8





#86
Bis(2-ethylhexyl)phthalate
Concen: 2.459 ng/ul
RT: 21.416 min Scan# 3119
Delta R.T. 0.003 min
Lab File: BG058418.D
Acq: 23 Jul 2023 3:11

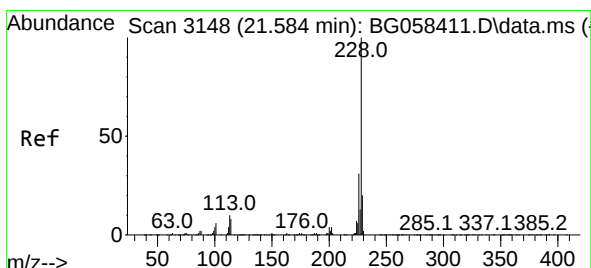
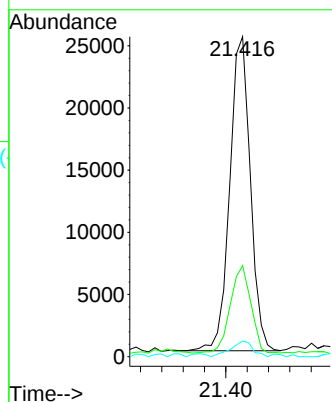
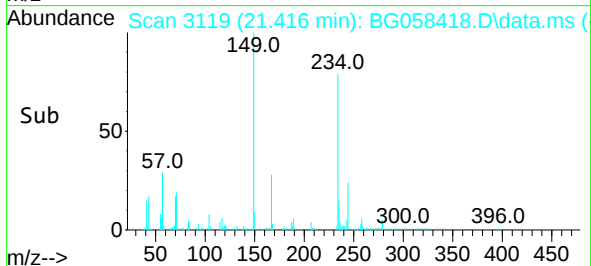
Instrument :
BNA_G
ClientSampleId :
A46W9RE



Tgt Ion:149 Resp: 3389
Ion Ratio Lower Upper
149 100
167 28.5 21.6 32.4
279 4.9 3.0 4.4

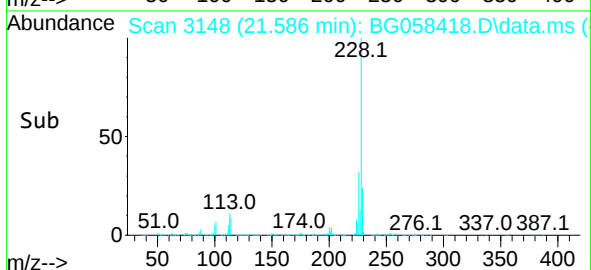
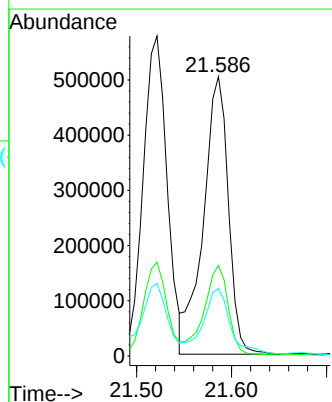
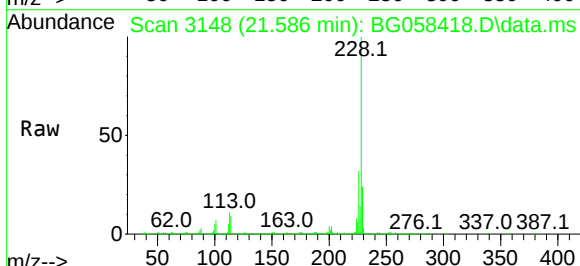
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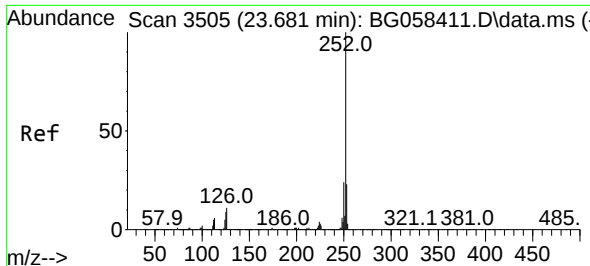
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#87
Chrysene
Concen: 40.213 ng/ul m
RT: 21.586 min Scan# 3148
Delta R.T. 0.009 min
Lab File: BG058418.D
Acq: 23 Jul 2023 3:11

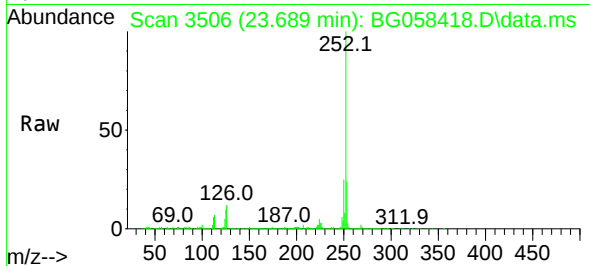
Tgt Ion:228 Resp: 920409
Ion Ratio Lower Upper
228 100
226 32.4 24.0 36.0
229 24.2 15.8 23.8





#90
Benzo(b)fluoranthene
Concen: 38.004 ng/ul
RT: 23.689 min Scan# 3505
Delta R.T. 0.021 min
Lab File: BG058418.D
Acq: 23 Jul 2023 3:11

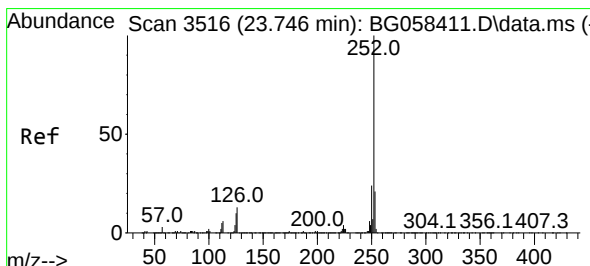
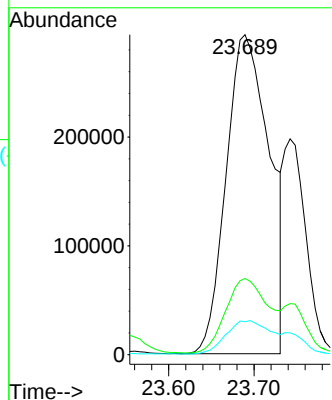
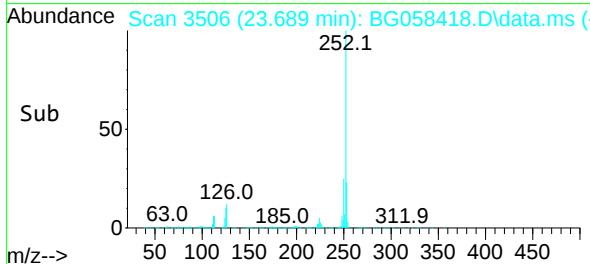
Instrument :
BNA_G
ClientSampleId :
A46W9RE



Tgt Ion:252 Resp: 1030579
Ion Ratio Lower Upper
252 100
253 23.8 17.9 26.9
125 10.3 6.7 10.1

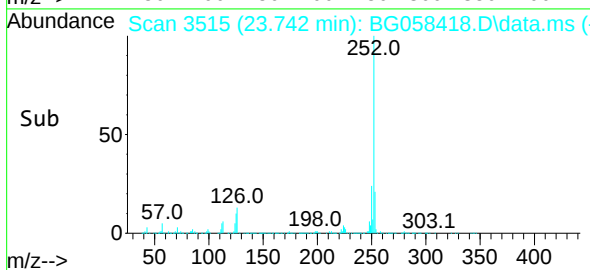
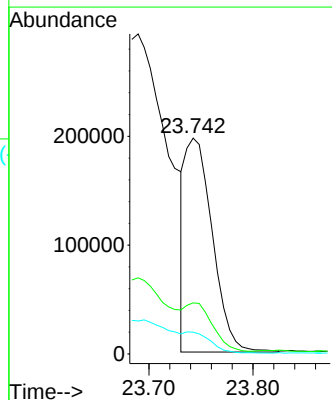
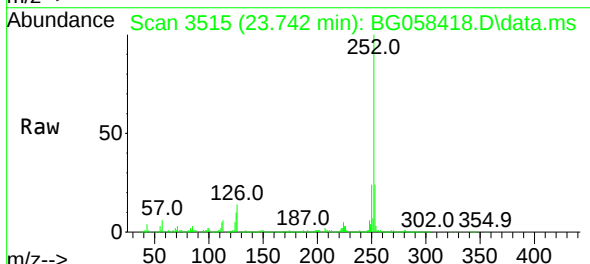
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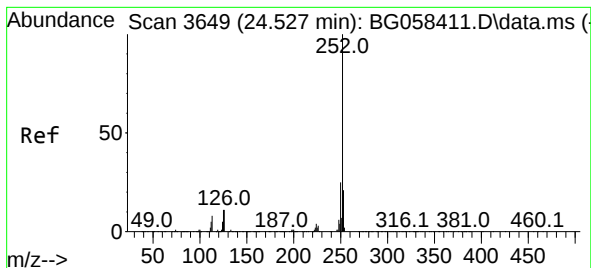
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#91
Benzo(k)fluoranthene
Concen: 13.117 ng/ul m
RT: 23.742 min Scan# 3515
Delta R.T. 0.009 min
Lab File: BG058418.D
Acq: 23 Jul 2023 3:11

Tgt Ion:252 Resp: 354753
Ion Ratio Lower Upper
252 100
253 23.6 18.3 27.5
125 10.1 7.4 11.0





#93

Benzo(a)pyrene

Concen: 15.768 ng/ul

RT: 24.530 min Scan# 30

Delta R.T. 0.009 min

Lab File: BG058418.D

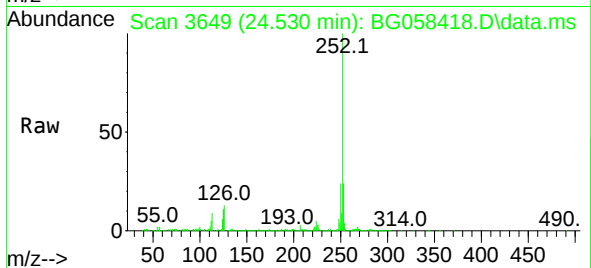
Acq: 23 Jul 2023 3:11

Instrument :

BNA_G

ClientSampleId :

A46W9RE



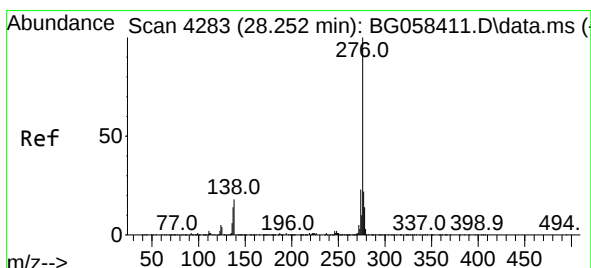
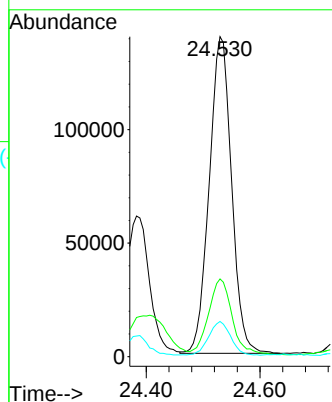
Tgt Ion:	252	Resp:	380309
Ion Ratio	Lower	Upper	
252	100		
253	24.3	17.4	26.0
125	11.0	7.7	11.5

Manual Integrations

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Reviewed By :Yogesh Patel 07/24/2023

Supervised By :mohammad ahmed 07/24/2023



#94

Indeno(1,2,3-cd)pyrene

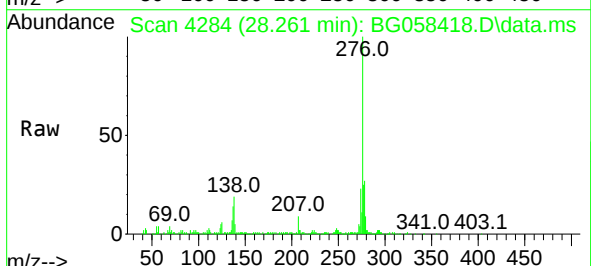
Concen: 8.503 ng/ul

RT: 28.261 min Scan# 4284

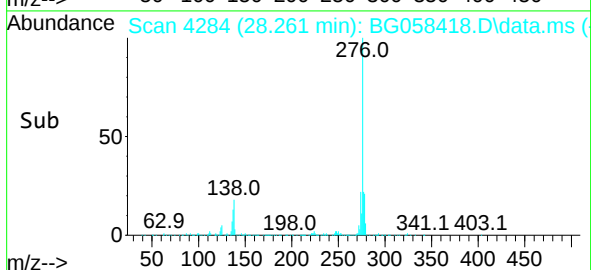
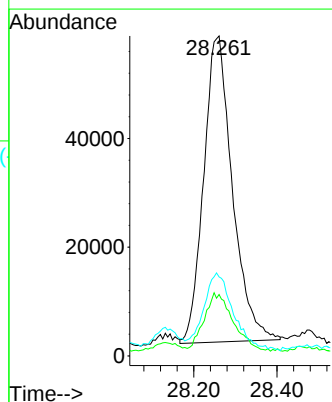
Delta R.T. 0.033 min

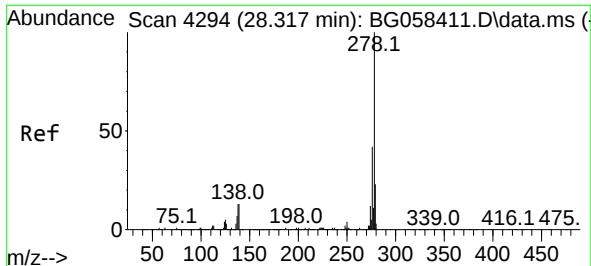
Lab File: BG058418.D

Acq: 23 Jul 2023 3:11



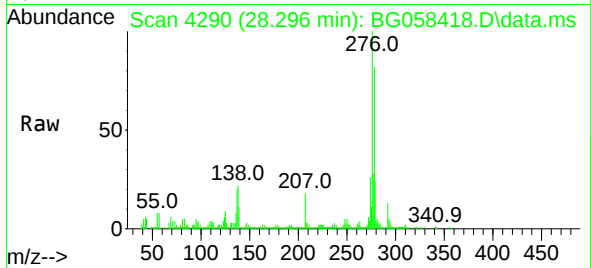
Tgt Ion:	276	Resp:	270202
Ion Ratio	Lower	Upper	
276	100		
138	19.2	13.8	20.6
277	24.7	19.2	28.8





#95
 Dibenzo(a,h)anthracene
 Concen: 4.014 ng/ul
 RT: 28.296 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: BG058418.D
 Acq: 23 Jul 2023 3:11

Instrument :
 BNA_G
 ClientSampleId :
 A46W9RE



Tgt Ion:278 Resp: 104590
 Ion Ratio Lower Upper
 278 100
 139 13.7 10.4 15.6
 279 29.4 18.4 27.6

Manual Integrations
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Reviewed By :Yogesh Patel 07/24/2023
 Supervised By :mohammad ahmed 07/24/2023

