

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071023\
 Data File : BG058143.D
 Acq On : 10 Jul 2023 15:41
 Operator : CG/JU
 Sample : 03385-01DL 10X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EX7X7DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/11/2023
 Supervised By :mohammad ahmed 07/11/2023

Quant Time: Jul 11 01:30:45 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070123.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 10 16:52:40 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.976	152	52359	20.000	ng/u1	0.00
20) Naphthalene-d8	10.784	136	232583	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.603	164	161943	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.353	188	342709	20.000	ng/u1	0.01
79) Chrysene-d12	21.613	240	272091	20.000	ng/u1	0.01
88) Perylene-d12	24.815	264	371772	20.000	ng/u1	0.03
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	7.136	99	6248	1.168	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.300	67	3524	1.094	ng/u1	0.00
11) 2-Chlorophenol-d4	7.506	132	4356	1.181	ng/u1	0.00
15) 4-Methylphenol-d8	8.681	113	4848	1.202	ng/u1	0.00
21) Nitrobenzene-d5	9.139	128	2318	1.223	ng/u1	0.00
24) 2-Nitrophenol-d4	9.862	143	2502	1.256	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.402	165	5102	1.335	ng/u1	0.00
31) 4-Chloroaniline-d4	10.919	131	3591	0.620	ng/u1	0.00
46) Dimethylphthalate-d6	14.004	166	18417	1.441	ng/u1	0.00
49) Acenaphthylene-d8	14.298	160	20417	1.464	ng/u1	0.00
54) 4-Nitrophenol-d4	0.000	143	0d	0.000	ng/u1	
60) Fluorene-d10	15.590	176	16845	1.552	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0	0.000	ng/u1	
73) Anthracene-d10	17.459	188	25240m	1.587	ng/u1	0.02
81) Pyrene-d10	19.738	212	27103	1.582	ng/u1	0.01
92) Benzo(a)pyrene-d12	24.592	264	28348	1.497	ng/u1	0.02
Target Compounds						
					Qvalue	
26) 2,4-Dimethylphenol	9.944	107	5914m	1.230	ng/u1	
30) Naphthalene	10.849	128	3808236	291.357	ng/u1#	91
36) 2-Methylnaphthalene	12.441	142	1430693	162.377	ng/u1	97
37) 1-Methylnaphthalene	12.659	142	714551	80.872	ng/u1	98
43) 1,1'-Biphenyl	13.440	154	548232	46.977	ng/u1	99
50) Acenaphthylene	14.327	152	15968	1.061	ng/u1#	57
52) Acenaphthene	14.680	153	1710344	165.538	ng/u1	97
56) Dibenzofuran	15.009	168	2018280	137.418	ng/u1	94
61) Fluorene	15.661	166	1873160	155.438	ng/u1	99
72) Phenanthrene	17.418	178	6016848m	345.150	ng/u1	
74) Anthracene	17.494	178	2451642	138.974	ng/u1#	93
77) Carbazole	17.753	167	1112123	69.706	ng/u1	96
80) Fluoranthene	19.421	202	4818719	242.674	ng/u1#	95
82) Pyrene	19.780	202	4106394	205.444	ng/u1#	94
85) Benzo(a)anthracene	21.595	228	2169912	111.070	ng/u1	94
87) Chrysene	21.666	228	1783696m	97.394	ng/u1	
90) Benzo(b)fluoranthene	23.810	252	2237525	97.203	ng/u1	98
91) Benzo(k)fluoranthene	23.863	252	860676m	38.146	ng/u1	
93) Benzo(a)pyrene	24.674	252	1829312	89.785	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	28.481	276	1075357	39.746	ng/u1	99
95) Dibenzo(a,h)anthracene	28.505	278	240471	10.779	ng/u1	94
96) Benzo(g,h,i)perylene	29.621	276	924585	41.839	ng/u1	98

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

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

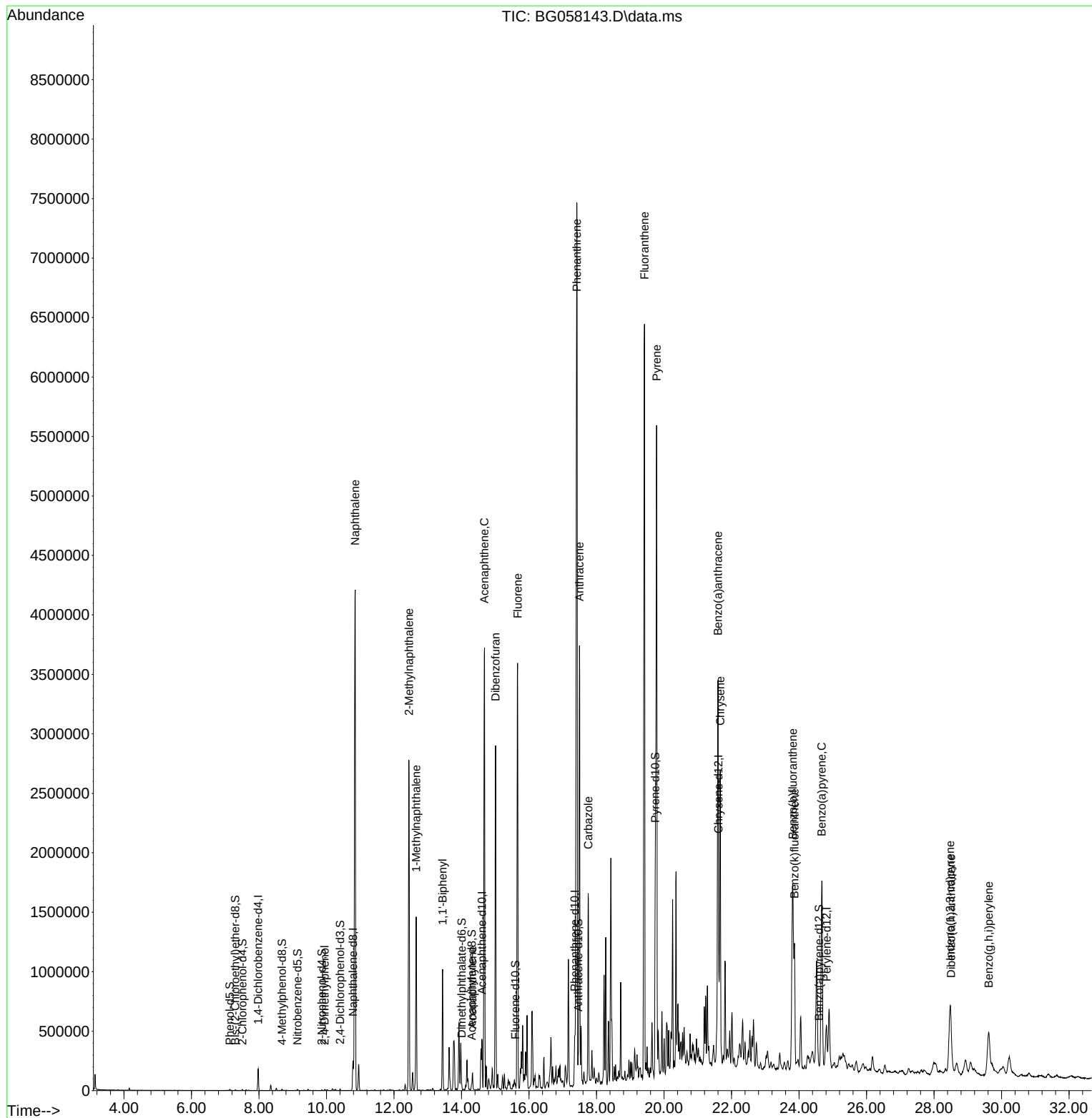
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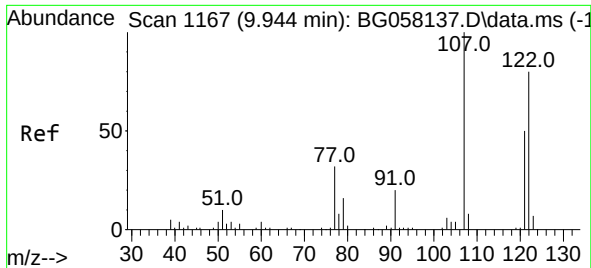
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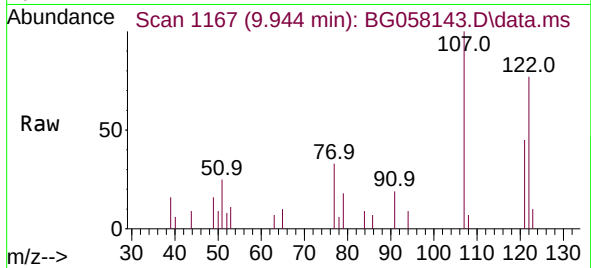
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#26
2,4-Dimethylphenol
Concen: 1.230 ng/ul m
RT: 9.944 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BG058143.D
Acq: 10 Jul 2023 15:41

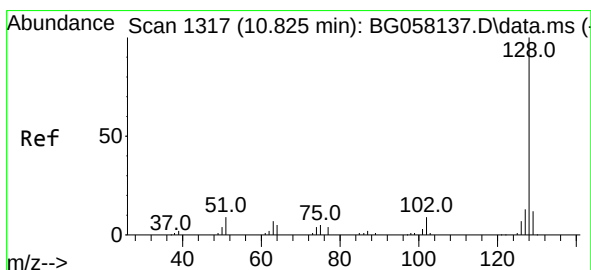
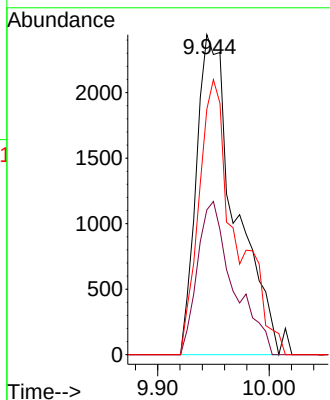
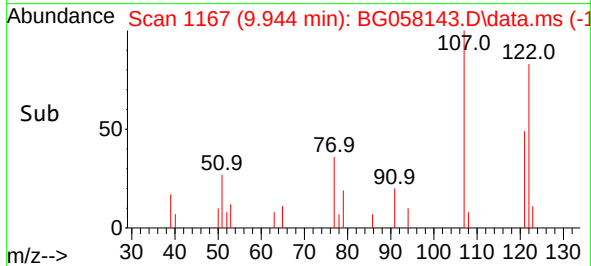
Instrument :
BNA_G
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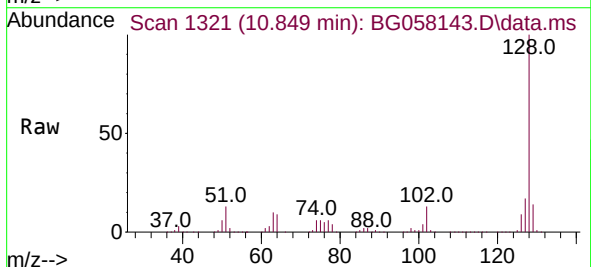
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Ion Ratio Lower Upper
107 100
121 45.2 40.6 60.8
122 76.7 67.1 100.7

Manual Integrations
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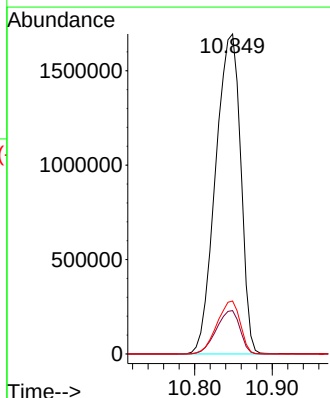
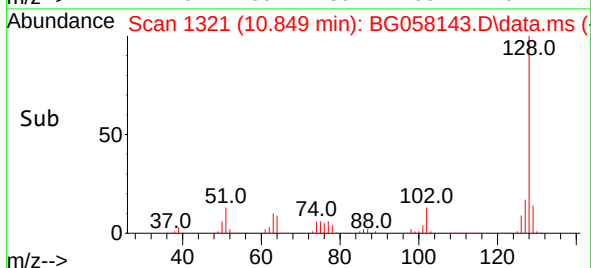
Reviewed By :Yogesh Patel 07/11/2023
Supervised By :mohammad ahmed 07/11/2023

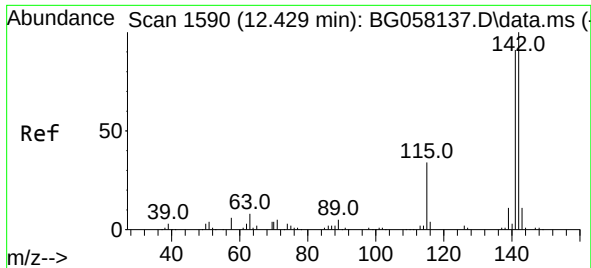


#30
Naphthalene
Concen: 291.357 ng/ul
RT: 10.849 min Scan# 1321
Delta R.T. 0.024 min
Lab File: BG058143.D
Acq: 10 Jul 2023 15:41



Tgt Ion:128 Resp: 3808236
Ion Ratio Lower Upper
128 100
129 13.6 8.6 12.8#
127 16.6 10.2 15.2#





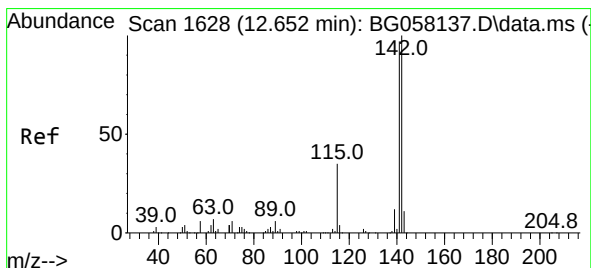
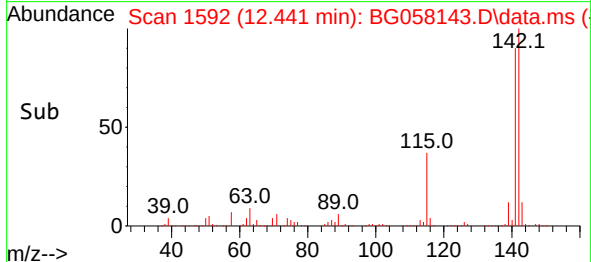
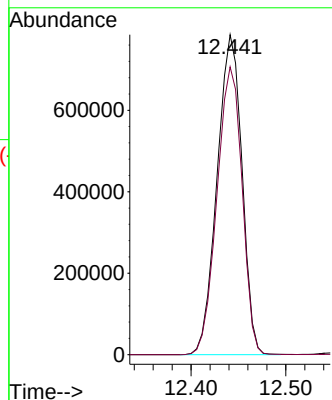
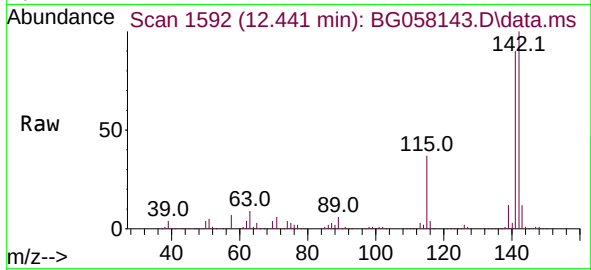
#36
2-Methylnaphthalene
Concen: 162.377 ng/ul
RT: 12.441 min Scan# 1590
Delta R.T. 0.012 min
Lab File: BG058143.D
Acq: 10 Jul 2023 15:41

Instrument :
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ClientSampleId :
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Tgt Ion:142 Resp: 143069
Ion Ratio Lower Upper
142 100
141 90.0 69.4 104.2

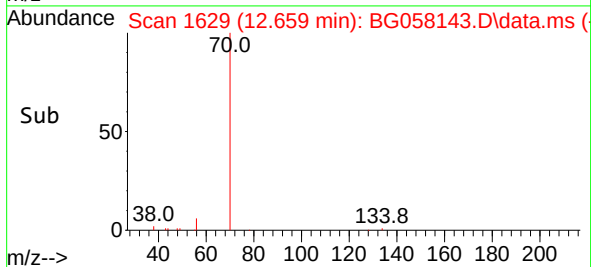
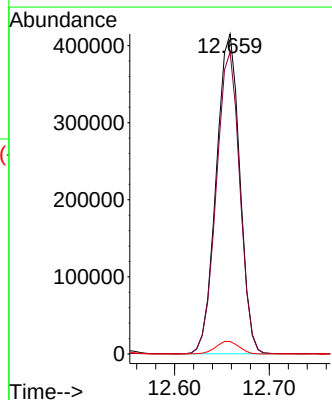
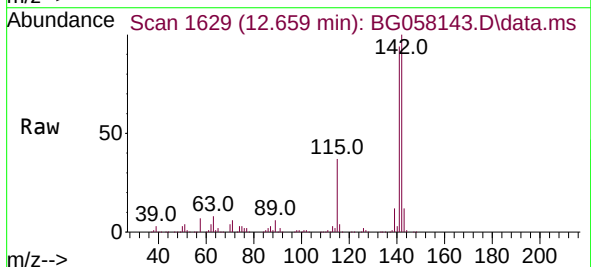
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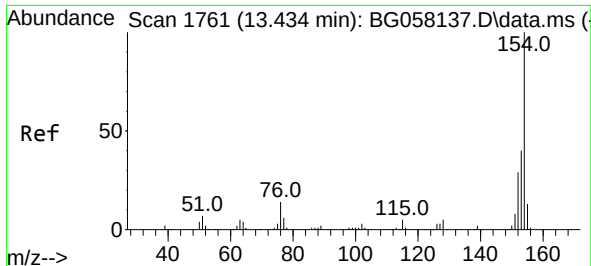
Reviewed By :Yogesh Patel 07/11/2023
Supervised By :mohammad ahmed 07/11/2023



#37
1-Methylnaphthalene
Concen: 80.872 ng/ul
RT: 12.659 min Scan# 1629
Delta R.T. 0.006 min
Lab File: BG058143.D
Acq: 10 Jul 2023 15:41

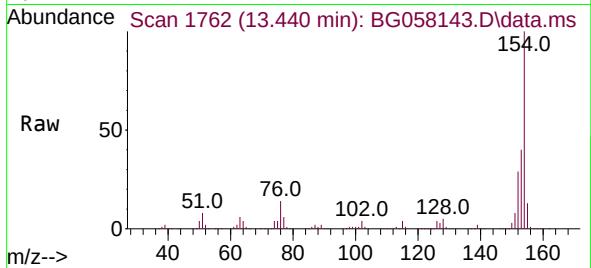
Tgt Ion:142 Resp: 714551
Ion Ratio Lower Upper
142 100
141 94.4 73.8 110.8
116 3.9 3.0 4.4





#43
1,1'-Biphenyl
Concen: 46.977 ng/ul
RT: 13.440 min Scan# 1761
Delta R.T. 0.006 min
Lab File: BG058143.D
Acq: 10 Jul 2023 15:41

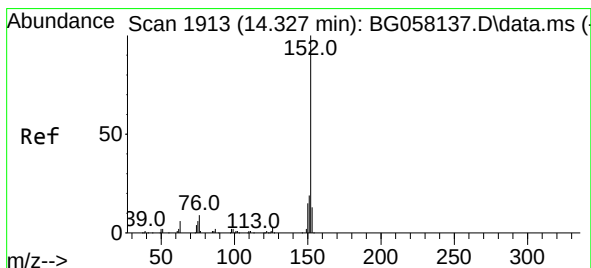
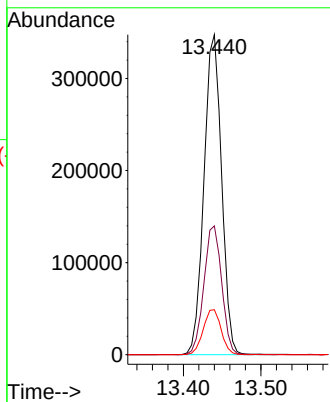
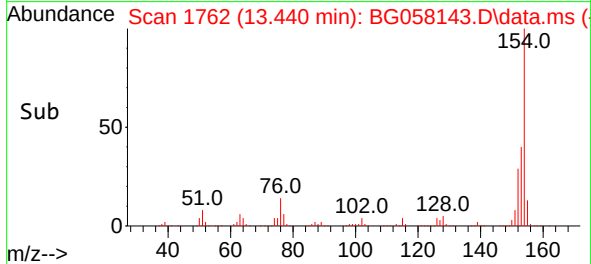
Instrument :
BNA_G
ClientSampleId :
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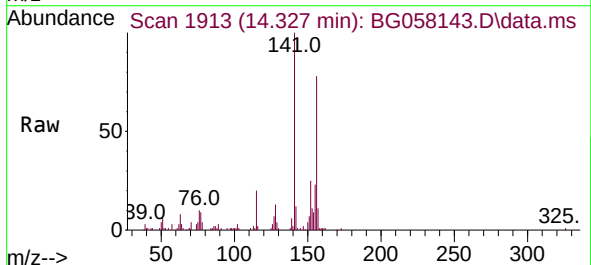
Tgt Ion:154 Resp: 54823
Ion Ratio Lower Upper
154 100
153 40.3 32.6 49.0
76 14.0 11.6 17.4

Manual Integrations
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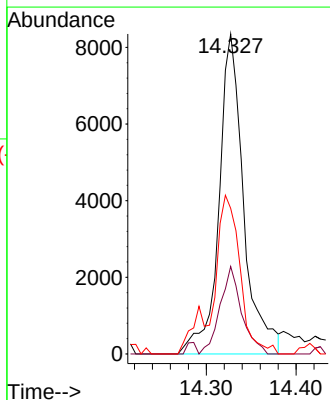
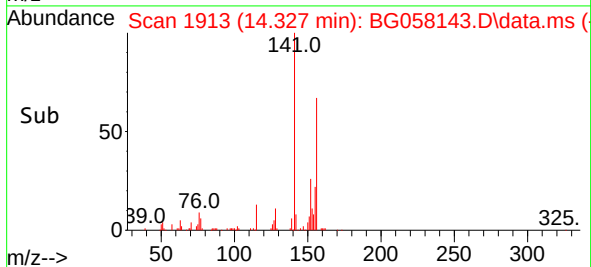
Reviewed By :Yogesh Patel 07/11/2023
Supervised By :mohammad ahmed 07/11/2023

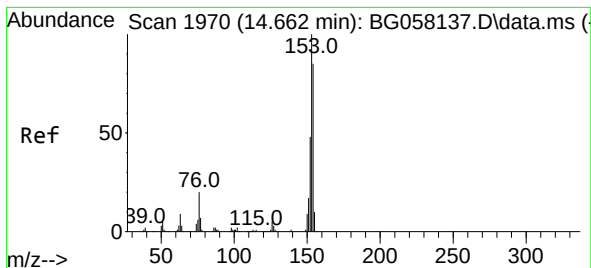


#50
Acenaphthylene
Concen: 1.061 ng/ul
RT: 14.327 min Scan# 1913
Delta R.T. 0.000 min
Lab File: BG058143.D
Acq: 10 Jul 2023 15:41



Tgt Ion:152 Resp: 15968
Ion Ratio Lower Upper
152 100
151 27.3 15.6 23.4#
153 45.5 10.5 15.7#





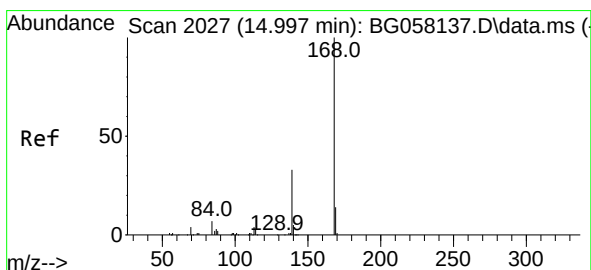
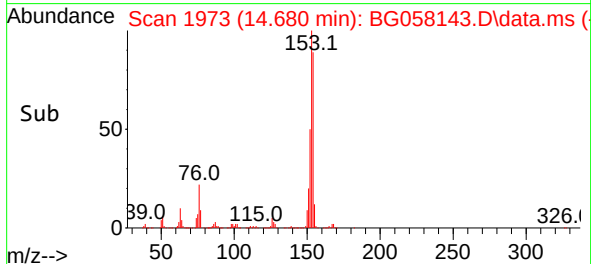
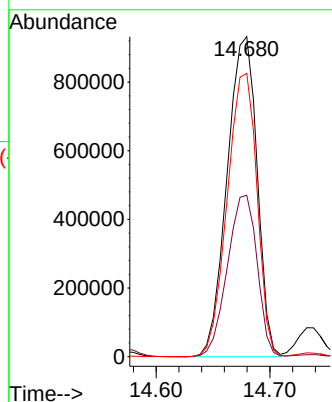
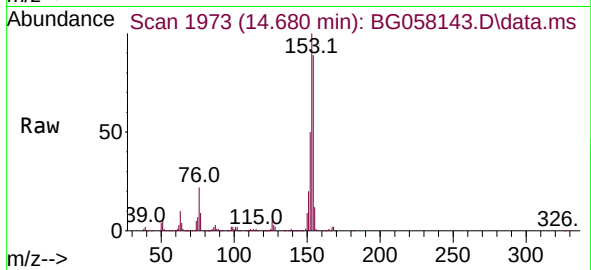
#52
Acenaphthene
Concen: 165.538 ng/ul
RT: 14.680 min Scan# 1970
Delta R.T. 0.018 min
Lab File: BG058143.D
Acq: 10 Jul 2023 15:41

Instrument :
BNA_G
ClientSampleId :
EX7X7DL

Tgt Ion:153 Resp: 1710344
Ion Ratio Lower Upper
153 100
152 50.5 36.5 54.7
154 88.6 70.5 105.7

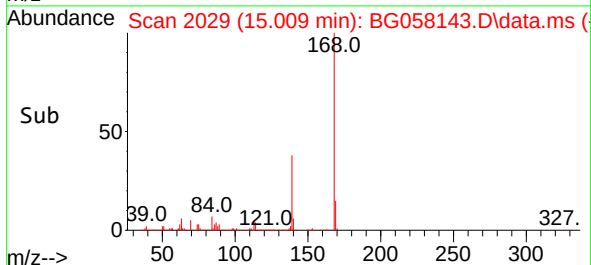
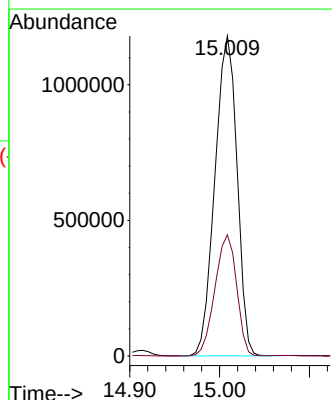
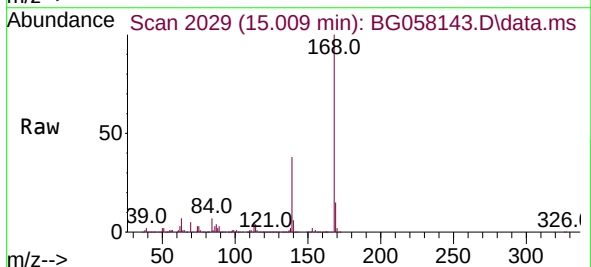
Manual Integrations
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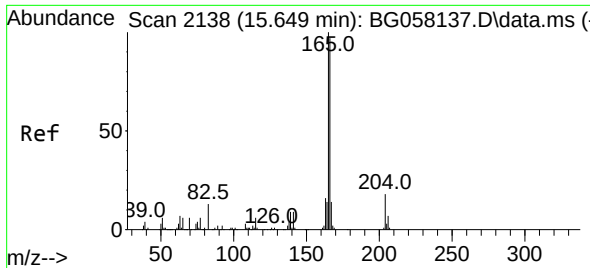
Reviewed By :Yogesh Patel 07/11/2023
Supervised By :mohammad ahmed 07/11/2023



#56
Dibenzofuran
Concen: 137.418 ng/ul
RT: 15.009 min Scan# 2029
Delta R.T. 0.012 min
Lab File: BG058143.D
Acq: 10 Jul 2023 15:41

Tgt Ion:168 Resp: 2018280
Ion Ratio Lower Upper
168 100
139 37.8 27.6 41.4





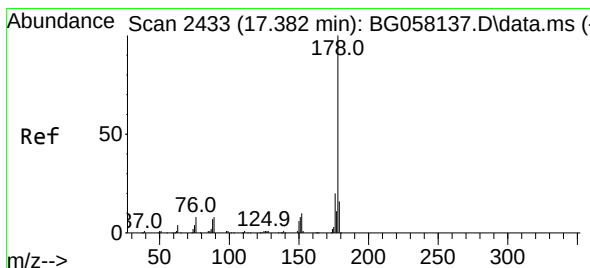
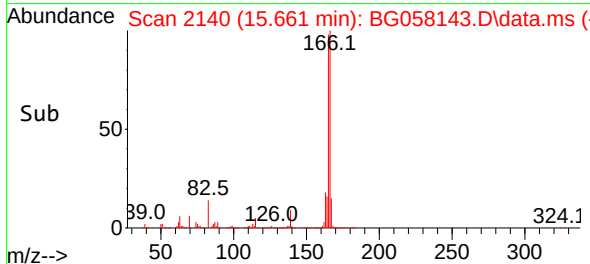
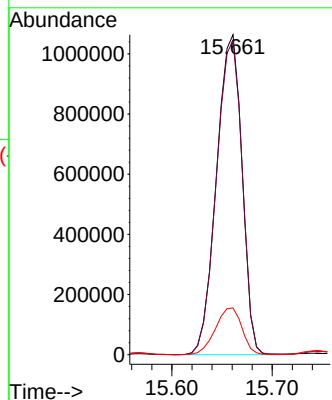
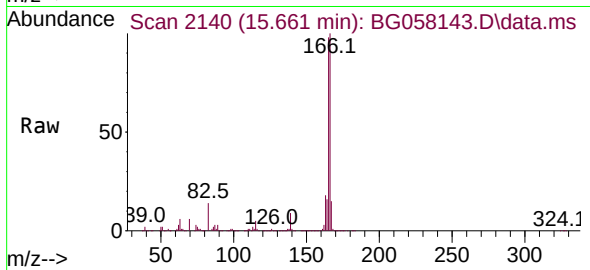
#61
Fluorene
Concen: 155.438 ng/ul
RT: 15.661 min Scan# 2138
Delta R.T. 0.012 min
Lab File: BG058143.D
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Tgt Ion:166 Resp: 1873160
Ion Ratio Lower Upper
166 100
165 98.2 79.1 118.7
167 14.6 10.7 16.1

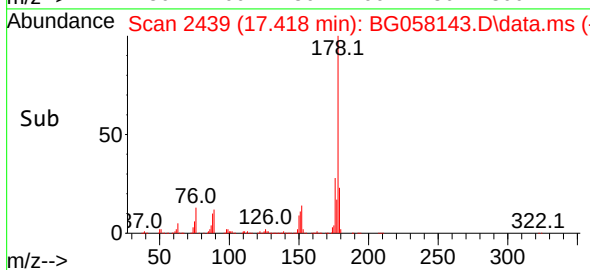
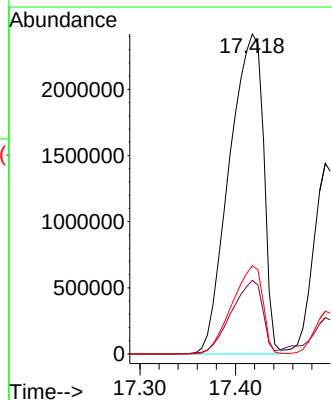
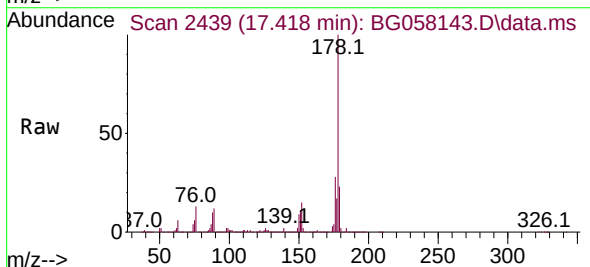
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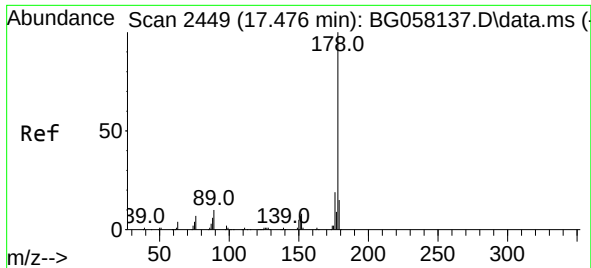
Reviewed By :Yogesh Patel 07/11/2023
Supervised By :mohammad ahmed 07/11/2023



#72
Phenanthrene
Concen: 345.150 ng/ul m
RT: 17.418 min Scan# 2439
Delta R.T. 0.035 min
Lab File: BG058143.D
Acq: 10 Jul 2023 15:41

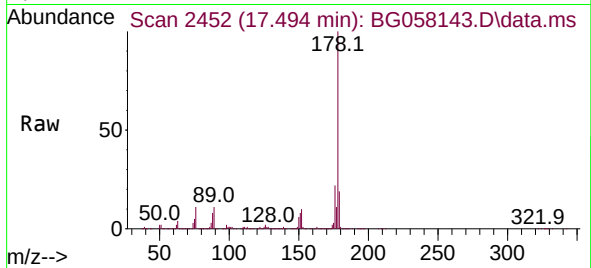
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Ion Ratio Lower Upper
178 100
179 23.0 12.8 19.2#
176 27.6 15.7 23.5#





#74
 Anthracene
 Concen: 138.974 ng/ul
 RT: 17.494 min Scan# 2449
 Delta R.T. 0.018 min
 Lab File: BG058143.D
 Acq: 10 Jul 2023 15:41

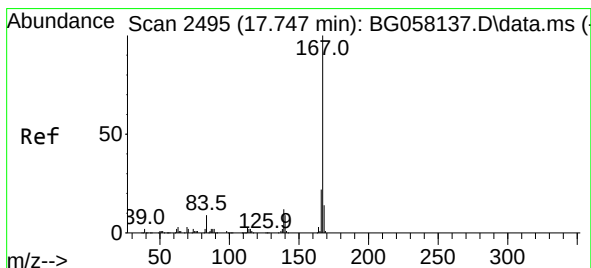
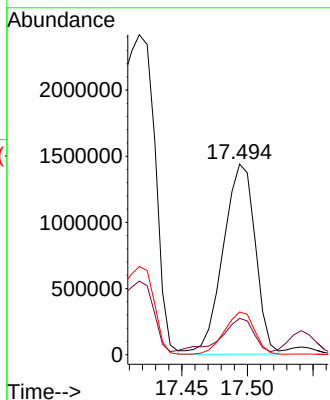
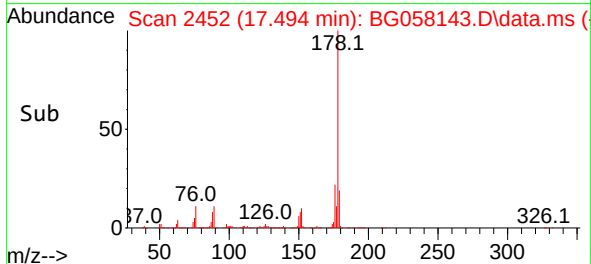
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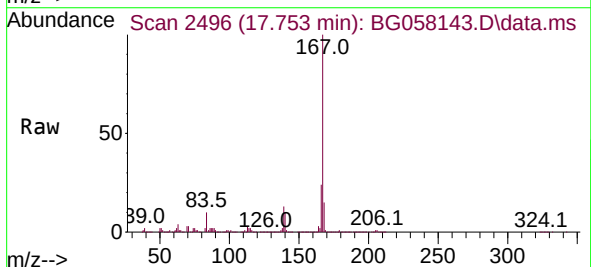
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 Ion Ratio Lower Upper
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 179 19.1 12.6 18.8
 176 22.5 15.4 23.2

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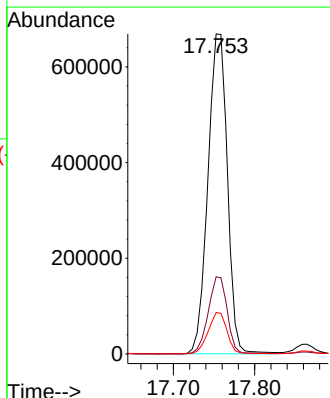
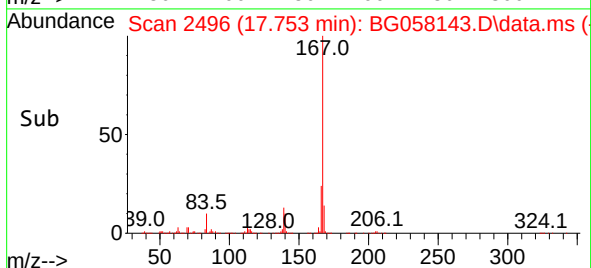
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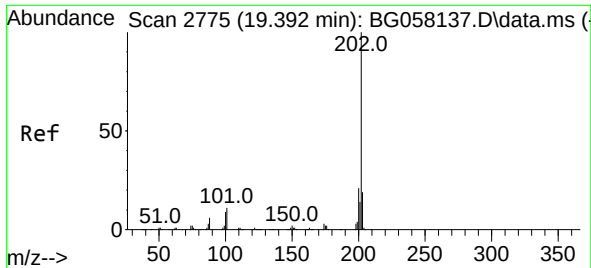


#77
 Carbazole
 Concen: 69.706 ng/ul
 RT: 17.753 min Scan# 2496
 Delta R.T. 0.006 min
 Lab File: BG058143.D
 Acq: 10 Jul 2023 15:41



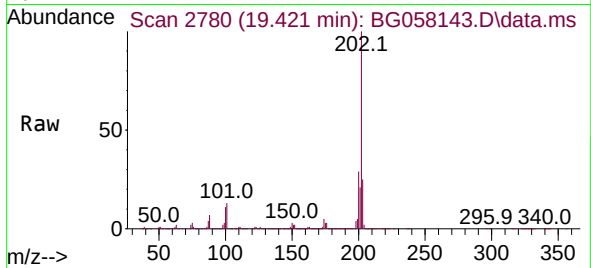
Tgt Ion:167 Resp: 1112123
 Ion Ratio Lower Upper
 167 100
 166 24.1 17.5 26.3
 139 13.0 9.5 14.3





#80
Fluoranthene
Concen: 242.674 ng/ul
RT: 19.421 min Scan# 21
Delta R.T. 0.030 min
Lab File: BG058143.D
Acq: 10 Jul 2023 15:41

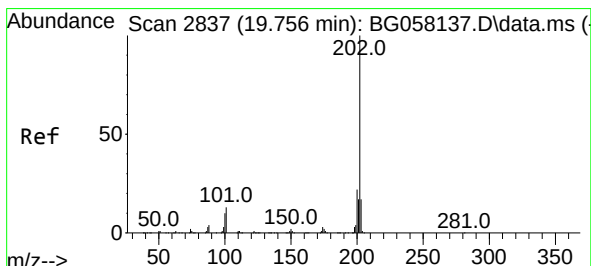
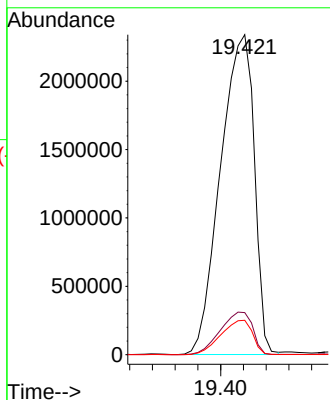
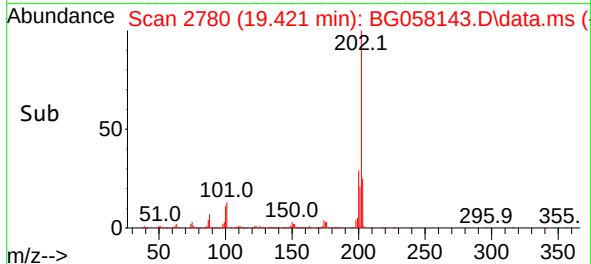
Instrument :
BNA_G
ClientSampleId :
EX7X7DL



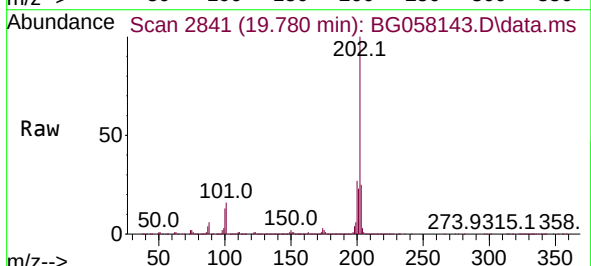
Tgt Ion:202 Resp: 4818719
Ion Ratio Lower Upper
202 100
101 13.1 9.1 13.7
100 10.8 7.1 10.7

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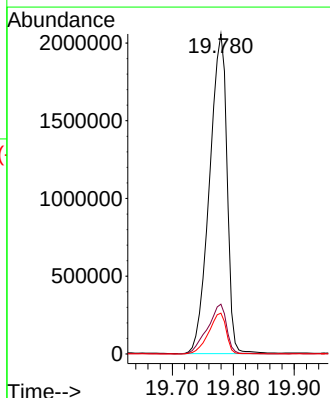
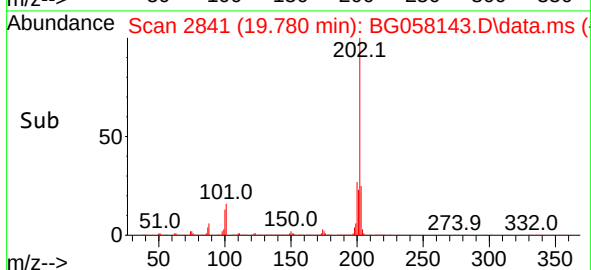
Reviewed By :Yogesh Patel 07/11/2023
Supervised By :mohammad ahmed 07/11/2023

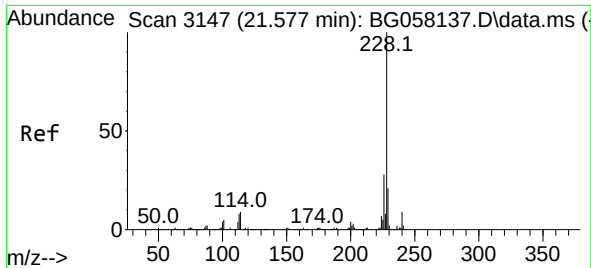


#82
Pyrene
Concen: 205.444 ng/ul
RT: 19.780 min Scan# 2841
Delta R.T. 0.024 min
Lab File: BG058143.D
Acq: 10 Jul 2023 15:41



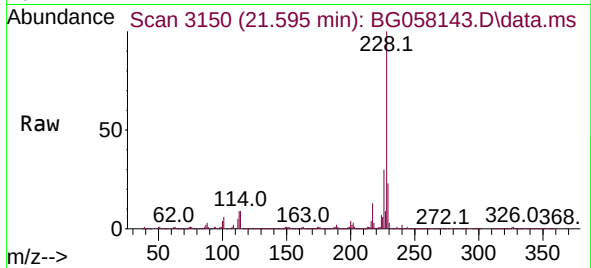
Tgt Ion:202 Resp: 4106394
Ion Ratio Lower Upper
202 100
101 15.6 10.2 15.2#
100 12.7 8.9 13.3





#85
Benzo(a)anthracene
Concen: 111.070 ng/ul
RT: 21.595 min Scan# 3147
Delta R.T. 0.018 min
Lab File: BG058143.D
Acq: 10 Jul 2023 15:41

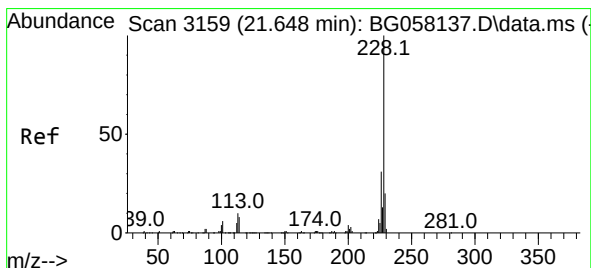
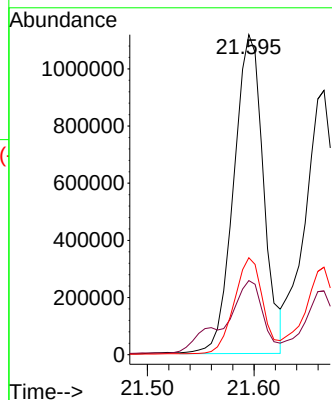
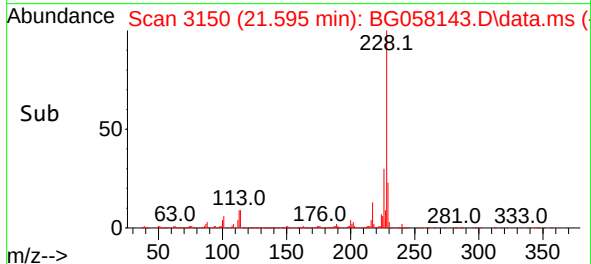
Instrument :
BNA_G
ClientSampleId :
EX7X7DL



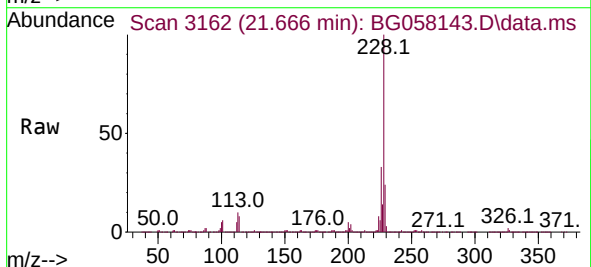
Tgt Ion:228 Resp: 2169912
Ion Ratio Lower Upper
228 100
229 23.1 16.0 24.0
226 30.3 22.0 33.0

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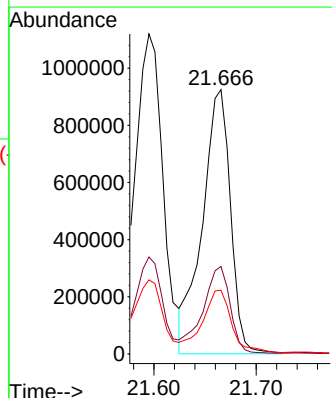
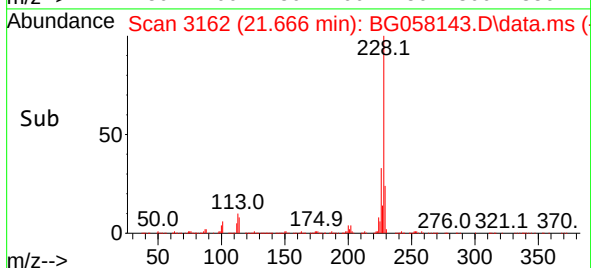
Reviewed By :Yogesh Patel 07/11/2023
Supervised By :mohammad ahmed 07/11/2023

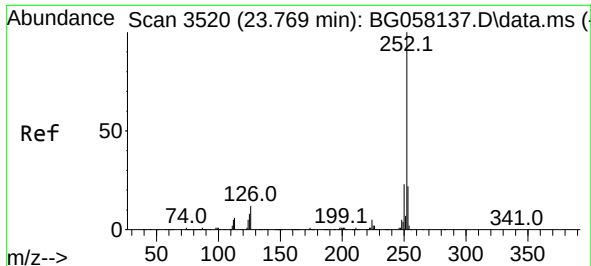


#87
Chrysene
Concen: 97.394 ng/ul m
RT: 21.666 min Scan# 3162
Delta R.T. 0.018 min
Lab File: BG058143.D
Acq: 10 Jul 2023 15:41



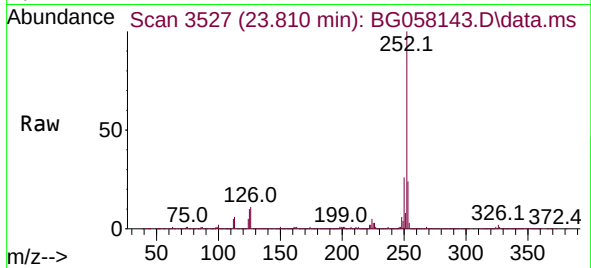
Tgt Ion:228 Resp: 1783696
Ion Ratio Lower Upper
228 100
226 33.1 24.4 36.6
229 24.1 15.5 23.3#





#90
Benzo(b)fluoranthene
Concen: 97.203 ng/ul
RT: 23.810 min Scan# 3520
Delta R.T. 0.041 min
Lab File: BG058143.D
Acq: 10 Jul 2023 15:41

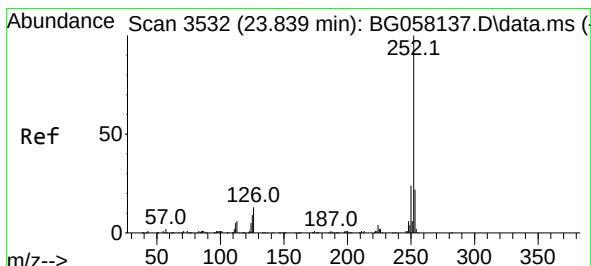
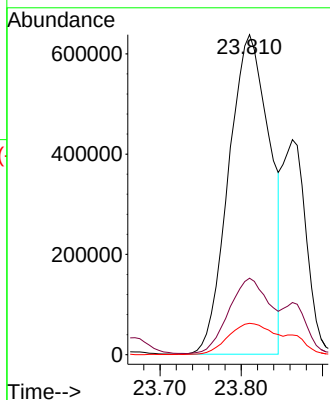
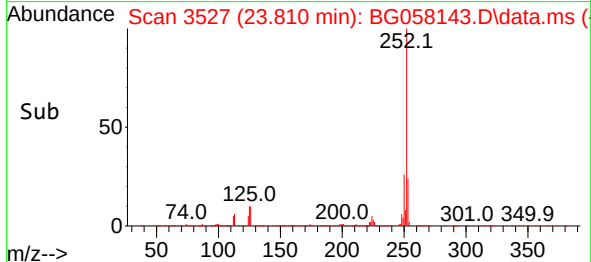
Instrument :
BNA_G
ClientSampleId :
EX7X7DL



Tgt Ion:252 Resp: 223752
Ion Ratio Lower Upper
252 100
253 23.9 18.1 27.1
125 9.8 7.5 11.3

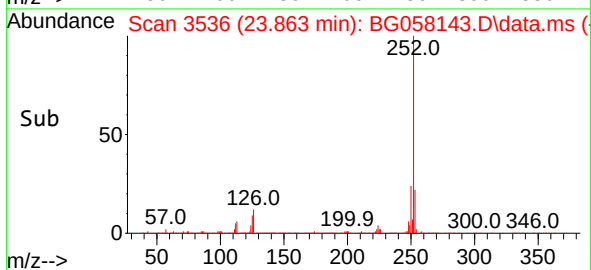
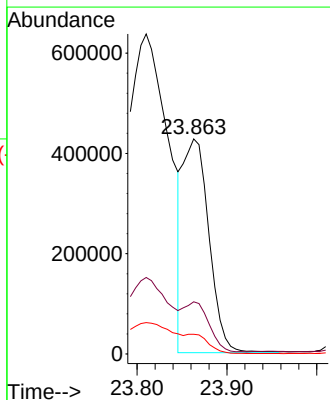
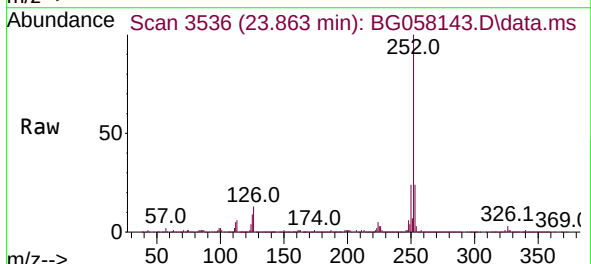
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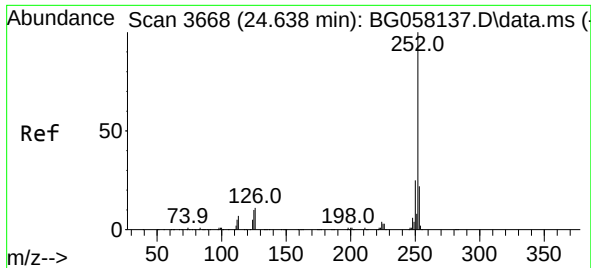
Reviewed By :Yogesh Patel 07/11/2023
Supervised By :mohammad ahmed 07/11/2023



#91
Benzo(k)fluoranthene
Concen: 38.146 ng/ul m
RT: 23.863 min Scan# 3536
Delta R.T. 0.024 min
Lab File: BG058143.D
Acq: 10 Jul 2023 15:41

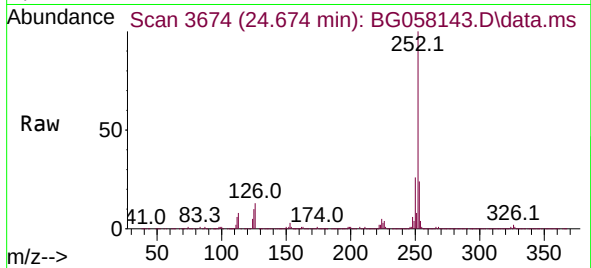
Tgt Ion:252 Resp: 860676
Ion Ratio Lower Upper
252 100
253 24.2 17.7 26.5
125 9.2 7.4 11.2





#93
Benzo(a)pyrene
Concen: 89.785 ng/ul
RT: 24.674 min Scan# 3674
Delta R.T. 0.035 min
Lab File: BG058143.D
Acq: 10 Jul 2023 15:41

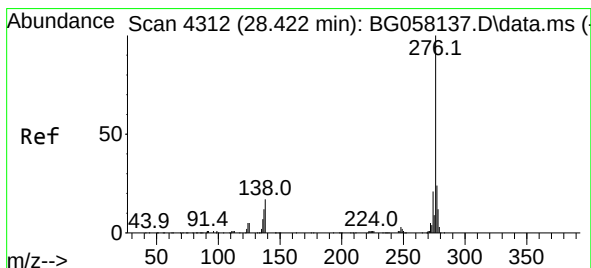
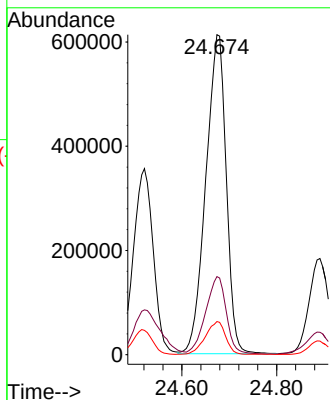
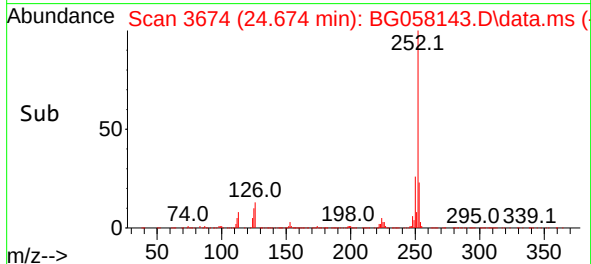
Instrument :
BNA_G
ClientSampleId :
EX7X7DL



Tgt Ion:252 Resp: 182931
Ion Ratio Lower Upper
252 100
253 24.4 17.8 26.6
125 10.4 8.3 12.5

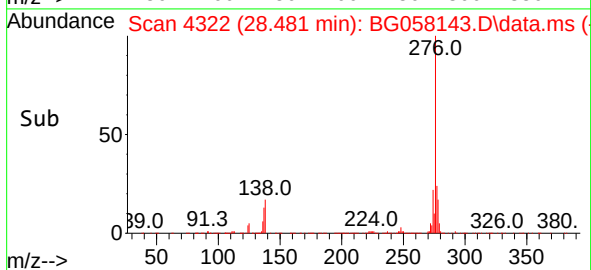
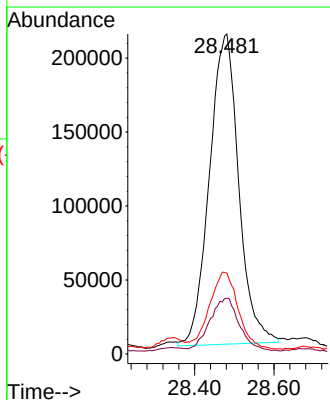
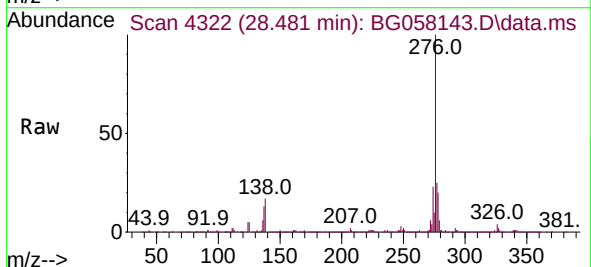
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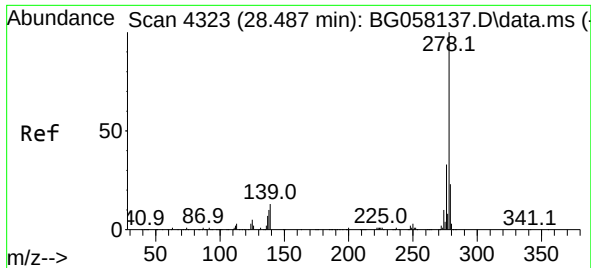
Reviewed By :Yogesh Patel 07/11/2023
Supervised By :mohammad ahmed 07/11/2023



#94
Indeno(1,2,3-cd)pyrene
Concen: 39.746 ng/ul
RT: 28.481 min Scan# 4322
Delta R.T. 0.059 min
Lab File: BG058143.D
Acq: 10 Jul 2023 15:41

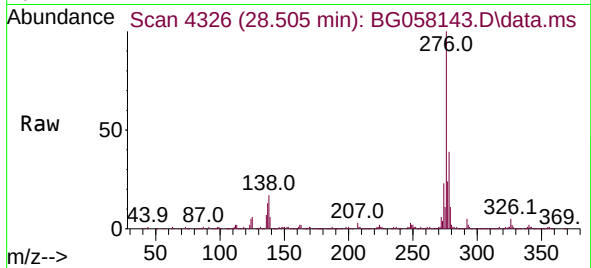
Tgt Ion:276 Resp: 1075357
Ion Ratio Lower Upper
276 100
138 17.5 14.0 21.0
277 25.3 19.4 29.2





#95
 Dibenzo(a,h)anthracene
 Concen: 10.779 ng/ul
 RT: 28.505 min Scan# 41
 Delta R.T. 0.018 min
 Lab File: BG058143.D
 Acq: 10 Jul 2023 15:41

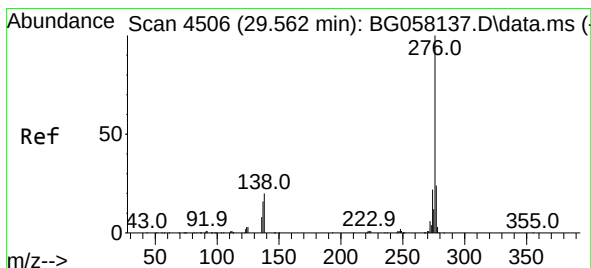
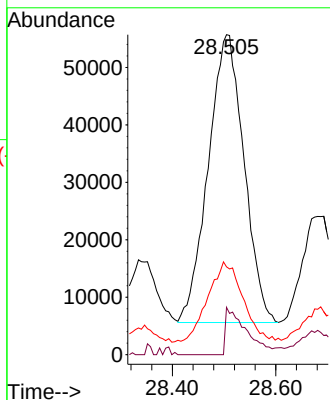
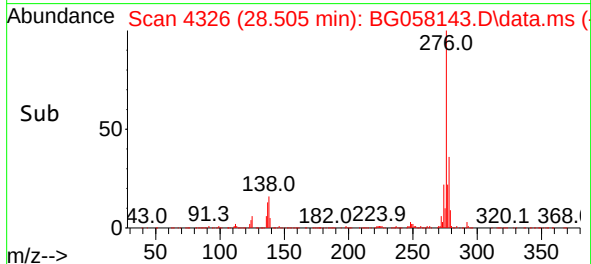
Instrument :
 BNA_G
 ClientSampleId :
 EX7X7DL



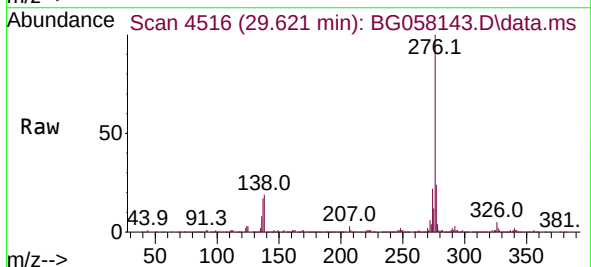
Tgt Ion:278 Resp: 24047
 Ion Ratio Lower Upper
 278 100
 139 14.8 11.3 16.9
 279 27.5 18.9 28.3

Manual Integrations
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Reviewed By :Yogesh Patel 07/11/2023
 Supervised By :mohammad ahmed 07/11/2023



#96
 Benzo(g,h,i)perylene
 Concen: 41.839 ng/ul
 RT: 29.621 min Scan# 4516
 Delta R.T. 0.059 min
 Lab File: BG058143.D
 Acq: 10 Jul 2023 15:41



Tgt Ion:276 Resp: 924585
 Ion Ratio Lower Upper
 276 100
 138 18.8 14.2 21.2
 277 24.4 18.6 27.8

