

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071123\
 Data File : BG058157.D
 Acq On : 11 Jul 2023 12:53
 Operator : CG/JU
 Sample : 03386-03 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EX801

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/12/2023
 Supervised By :mohammad ahmed 07/12/2023

Quant Time: Jul 11 23:13:06 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	7.972	152	53183	20.000	ng/u1	0.00
20) Naphthalene-d8	10.781	136	240922	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.600	164	167968	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.344	188	372418	20.000	ng/u1	0.00
79) Chrysene-d12	21.609	240	297723	20.000	ng/u1	0.00
88) Perylene-d12	24.811	264	393111	20.000	ng/u1	0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.401	96	2156	1.420	ng/uL	0.00
4) Pyridine-d5	3.818	84	7294	1.582	ng/u1	0.00
7) Phenol-d5	7.132	99	52215	9.614	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.297	67	30159	9.214	ng/u1	0.00
11) 2-Chlorophenol-d4	7.502	132	36286	9.687	ng/u1	0.00
15) 4-Methylphenol-d8	8.677	113	38494	9.393	ng/u1	0.00
21) Nitrobenzene-d5	9.136	128	18496	9.419	ng/u1	0.00
24) 2-Nitrophenol-d4	9.852	143	21110	10.229	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.399	165	40281	10.175	ng/u1	0.00
31) 4-Chloroaniline-d4	10.910	131	934m	0.156	ng/u1	0.00
46) Dimethylphthalate-d6	14.000	166	130933	9.880	ng/u1	0.00
49) Acenaphthylene-d8	14.294	160	150025	10.374	ng/u1	0.00
54) 4-Nitrophenol-d4	14.800	143	12422m	5.305	ng/u1	0.00
60) Fluorene-d10	15.593	176	116739	10.372	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.710	200	10458	5.171	ng/u1	0.00
73) Anthracene-d10	17.444	188	185314	10.723	ng/u1	0.00
81) Pyrene-d10	19.729	212	209357	11.165	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.588	264	212052	10.588	ng/u1	0.02
Target Compounds	Qvalue					
6) Benzaldehyde	7.114	77	4677	2.579	ng/u1	87
8) Phenol	7.161	94	7427	1.348	ng/u1	95
16) Acetophenone	8.795	105	58092	8.544	ng/u1	98
30) Naphthalene	10.834	128	41048	3.032	ng/u1	99
36) 2-Methylnaphthalene	12.432	142	18005	1.973	ng/u1	99
37) 1-Methylnaphthalene	12.649	142	10469	1.144	ng/u1#	94
52) Acenaphthene	14.664	153	23050	2.151	ng/u1	97
56) Dibenzofuran	14.999	168	26837	1.762	ng/u1	99
61) Fluorene	15.646	166	20491	1.639	ng/u1	98
72) Phenanthrene	17.391	178	655602	34.608	ng/u1	99
74) Anthracene	17.479	178	99519	5.191	ng/u1	97
77) Carbazole	17.743	167	72375	4.174	ng/u1	98
80) Fluoranthene	19.406	202	1733209	79.771	ng/u1	99
82) Pyrene	19.764	202	1526097	69.778	ng/u1	97
85) Benzo(a)anthracene	21.592	228	857144	40.097	ng/u1	96
86) Bis(2-ethylhexyl)phtha...	21.480	149	76464	6.016	ng/u1	96
87) Chrysene	21.656	228	1047332m	52.264	ng/u1	
90) Benzo(b)fluoranthene	23.801	252	1579341	64.885	ng/u1	99
91) Benzo(k)fluoranthene	23.860	252	530584m	22.239	ng/u1	
93) Benzo(a)pyrene	24.664	252	988191	45.869	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	28.472	276	859789	30.054	ng/u1	99
95) Dibenzo(a,h)anthracene	28.507	278	182962	7.756	ng/u1#	92
96) Benzo(g,h,i)perylene	29.629	276	787830	33.715	ng/u1	97

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Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 10 16:52:40 2023
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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

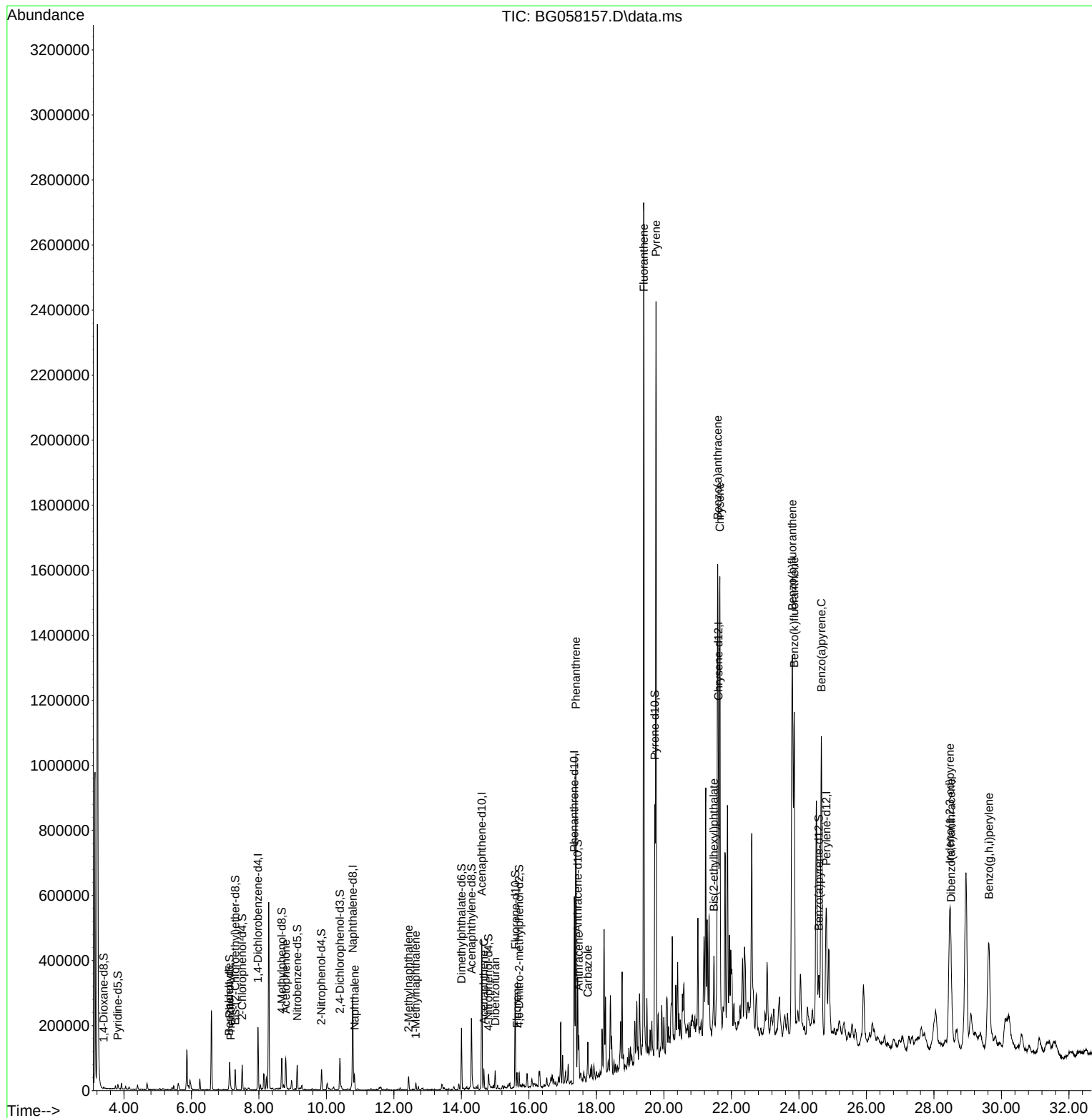
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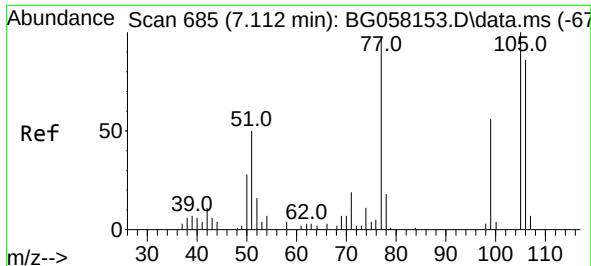
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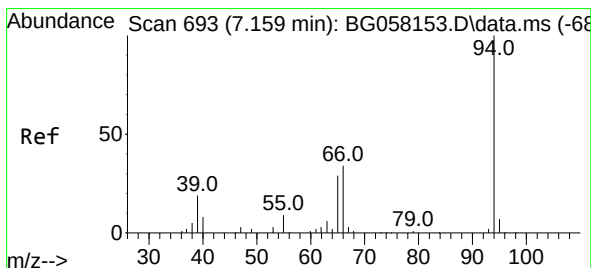
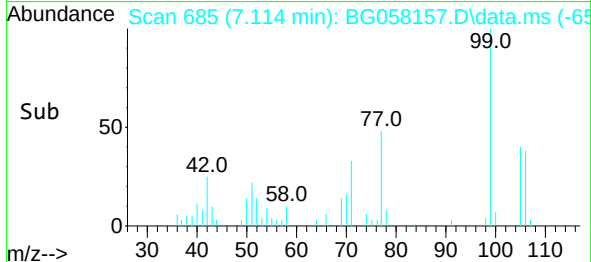
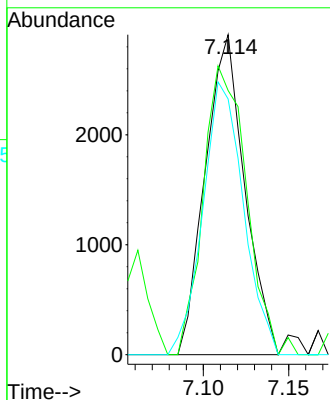
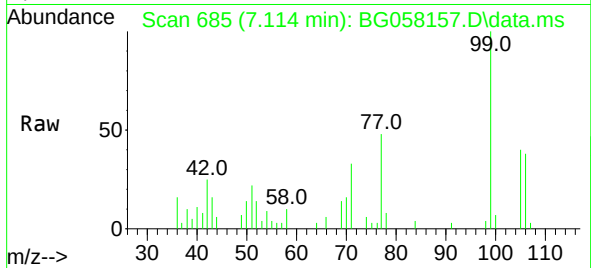
#6
Benzaldehyde
Concen: 2.579 ng/ul
RT: 7.114 min Scan# 611
Delta R.T. 0.003 min
Lab File: BG058157.D
Acq: 11 Jul 2023 12:53

Instrument :
BNA_G
ClientSampleId :
EX801

Tgt Ion: 77 Resp: 467
Ion Ratio Lower Upper
77 100
105 82.5 74.7 112.1
106 79.9 75.9 113.9

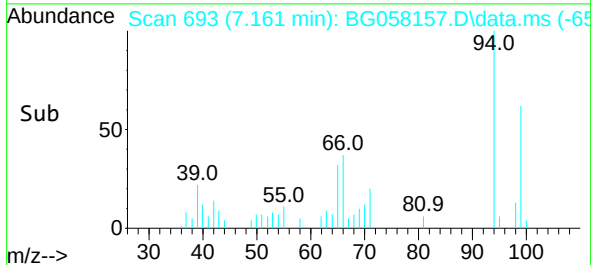
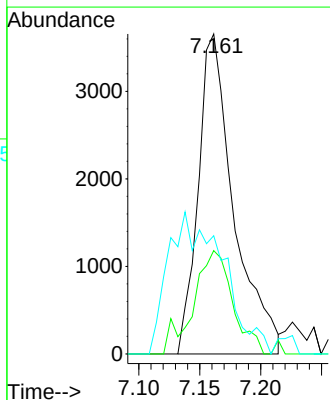
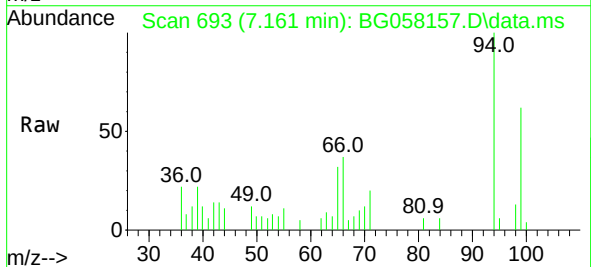
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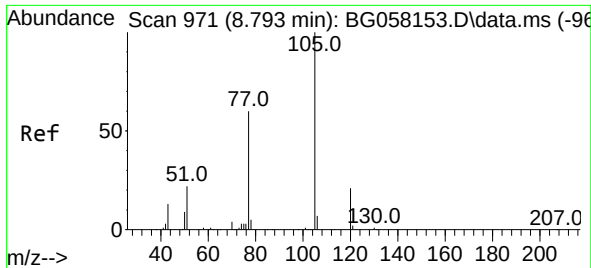
Reviewed By :Yogesh Patel 07/12/2023
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#8
Phenol
Concen: 1.348 ng/ul
RT: 7.161 min Scan# 693
Delta R.T. 0.003 min
Lab File: BG058157.D
Acq: 11 Jul 2023 12:53

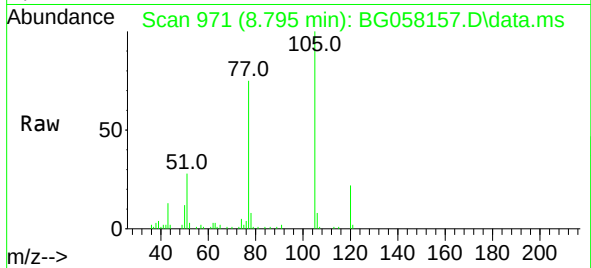
Tgt Ion: 94 Resp: 7427
Ion Ratio Lower Upper
94 100
65 32.3 22.2 33.4
66 36.9 28.6 43.0





#16
Acetophenone
Concen: 8.544 ng/ul
RT: 8.795 min Scan# 91
Delta R.T. 0.003 min
Lab File: BG058157.D
Acq: 11 Jul 2023 12:53

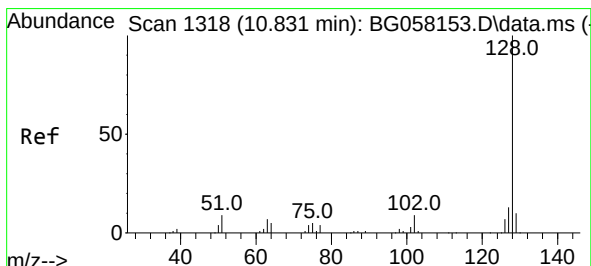
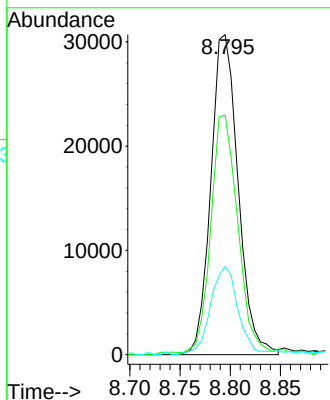
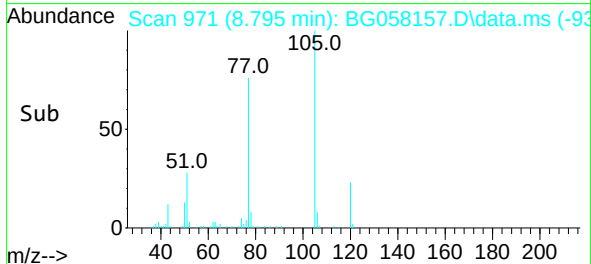
Instrument :
BNA_G
ClientSampleId :
EX801



Tgt Ion:105 Resp: 58092
Ion Ratio Lower Upper
105 100
77 74.9 61.2 91.8
51 27.5 23.5 35.3

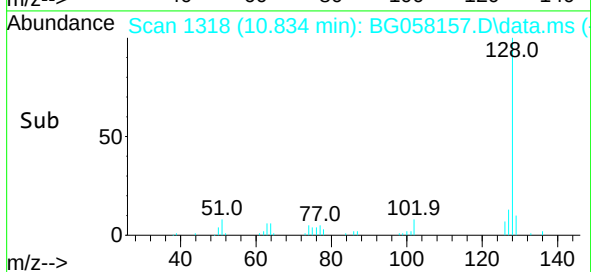
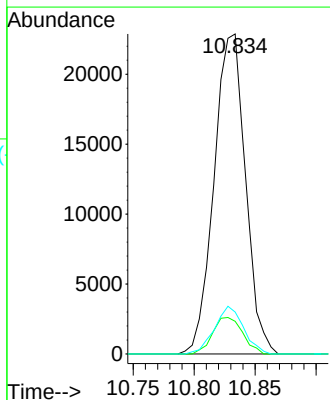
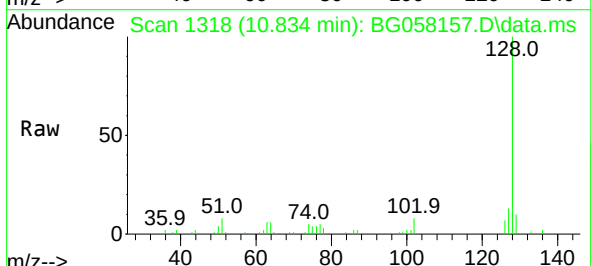
Manual Integrations
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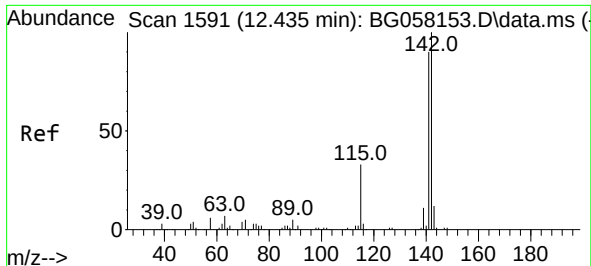
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023



#30
Naphthalene
Concen: 3.032 ng/ul
RT: 10.834 min Scan# 1318
Delta R.T. 0.008 min
Lab File: BG058157.D
Acq: 11 Jul 2023 12:53

Tgt Ion:128 Resp: 41048
Ion Ratio Lower Upper
128 100
129 10.2 8.6 12.8
127 13.1 10.2 15.2





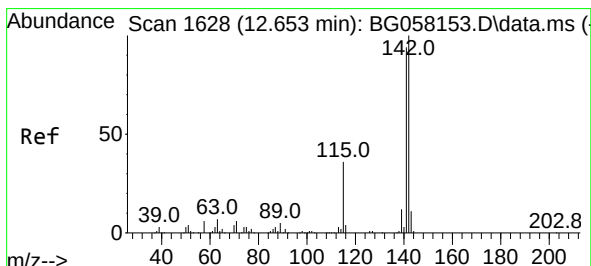
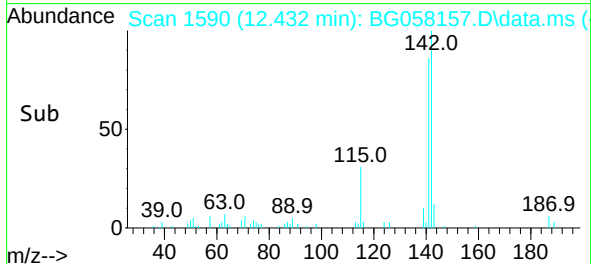
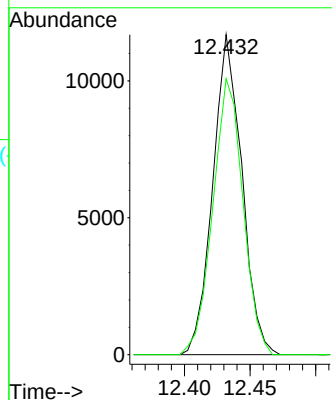
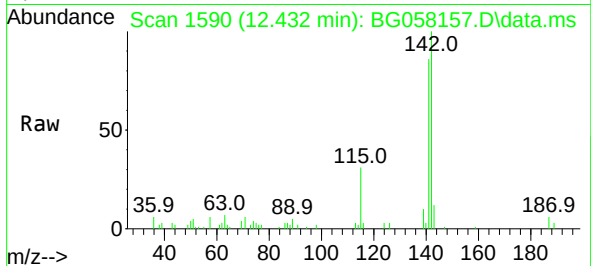
#36
2-Methylnaphthalene
Concen: 1.973 ng/ul
RT: 12.432 min Scan# 1591
Delta R.T. 0.003 min
Lab File: BG058157.D
Acq: 11 Jul 2023 12:53

Instrument :
BNA_G
ClientSampleId :
EX801

Tgt Ion:142 Resp: 1800
Ion Ratio Lower Upper
142 100
141 86.3 69.4 104.2

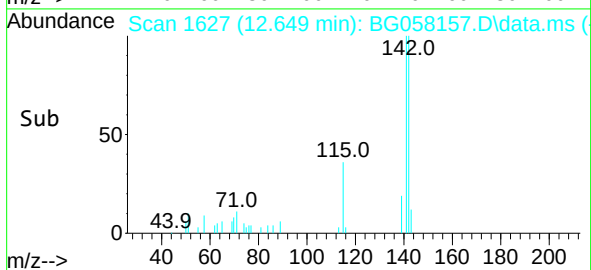
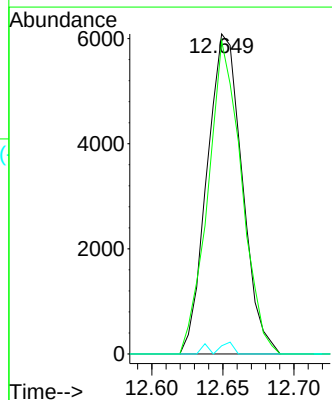
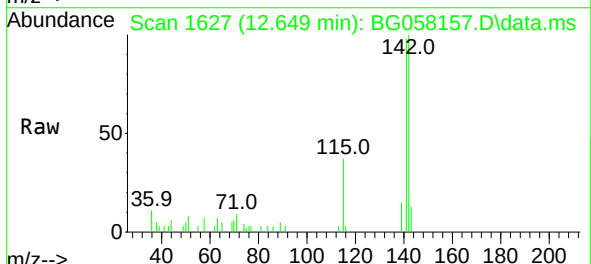
Manual Integrations
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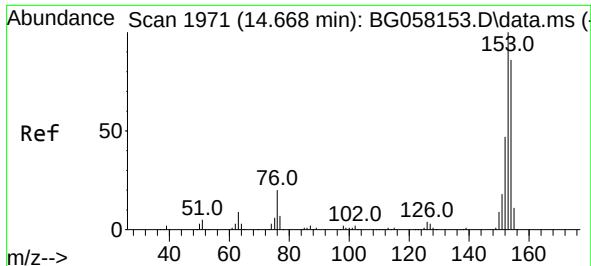
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023



#37
1-Methylnaphthalene
Concen: 1.144 ng/ul
RT: 12.649 min Scan# 1627
Delta R.T. -0.003 min
Lab File: BG058157.D
Acq: 11 Jul 2023 12:53

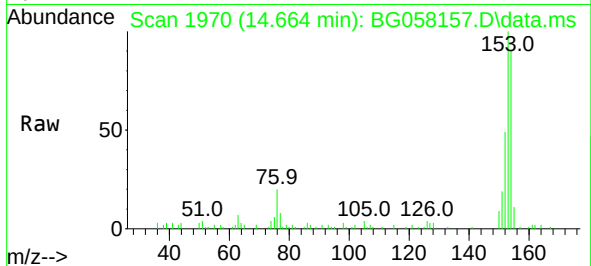
Tgt Ion:142 Resp: 10469
Ion Ratio Lower Upper
142 100
141 97.8 73.8 110.8
116 2.5 3.0 4.4#





#52
Acenaphthene
Concen: 2.151 ng/ul
RT: 14.664 min Scan# 1971
Delta R.T. 0.003 min
Lab File: BG058157.D
Acq: 11 Jul 2023 12:53

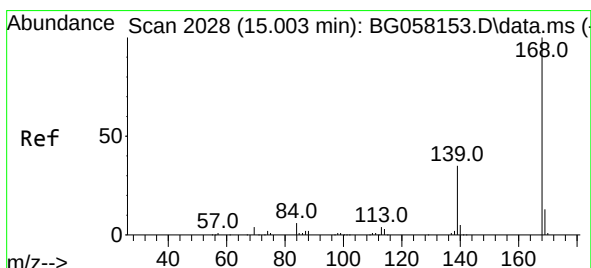
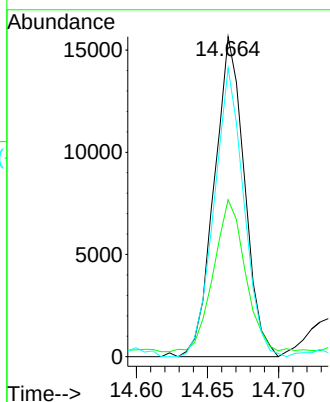
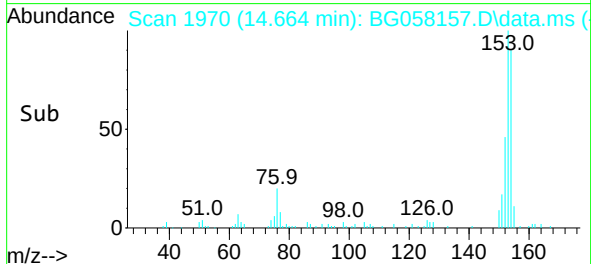
Instrument :
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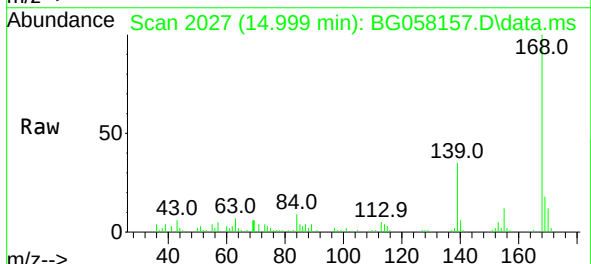
Tgt Ion:153 Resp: 23050
Ion Ratio Lower Upper
153 100
152 49.1 36.5 54.7
154 90.2 70.5 105.7

Manual Integrations
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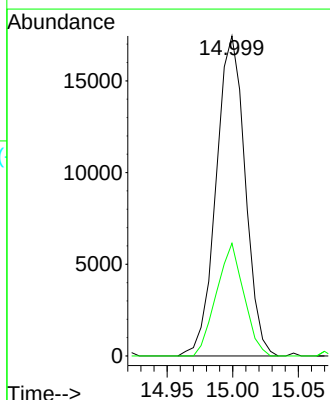
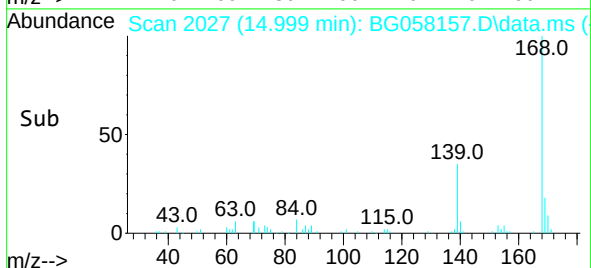
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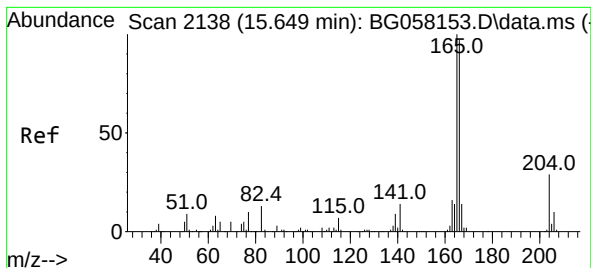


#56
Dibenzofuran
Concen: 1.762 ng/ul
RT: 14.999 min Scan# 2027
Delta R.T. 0.003 min
Lab File: BG058157.D
Acq: 11 Jul 2023 12:53



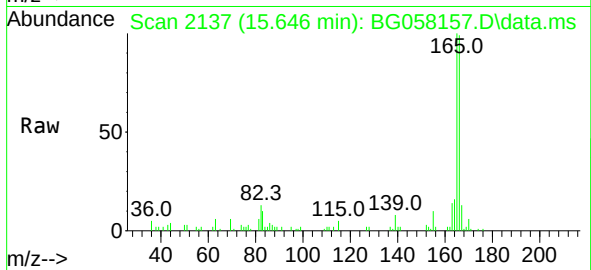
Tgt Ion:168 Resp: 26837
Ion Ratio Lower Upper
168 100
139 35.2 27.6 41.4





#61
Fluorene
Concen: 1.639 ng/ul
RT: 15.646 min Scan# 2138
Delta R.T. -0.003 min
Lab File: BG058157.D
Acq: 11 Jul 2023 12:53

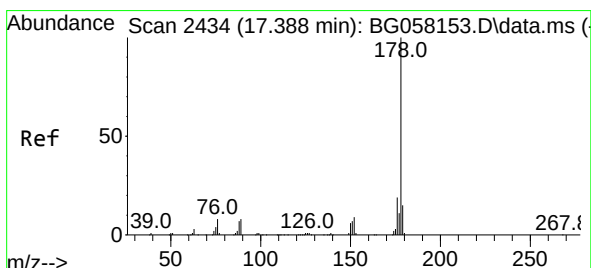
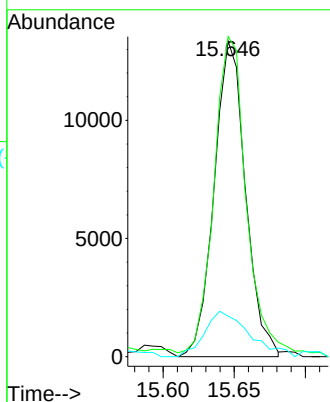
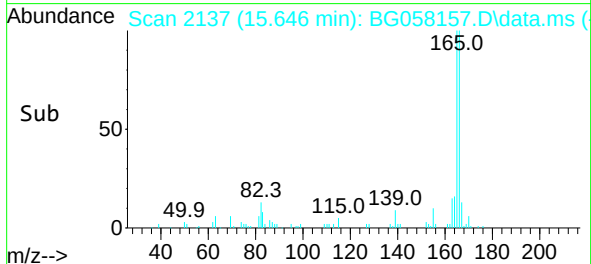
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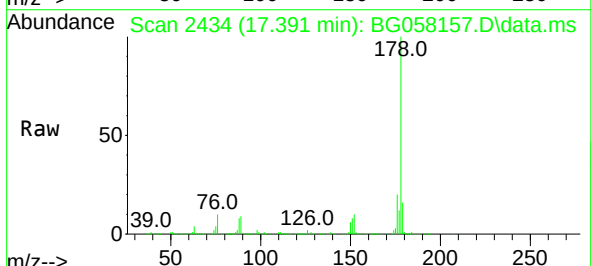
Tgt Ion:166 Resp: 2049
Ion Ratio Lower Upper
166 100
165 101.4 79.1 118.7
167 12.8 10.7 16.1

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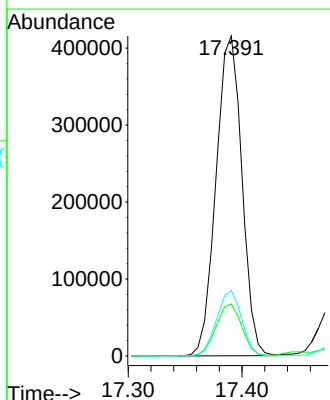
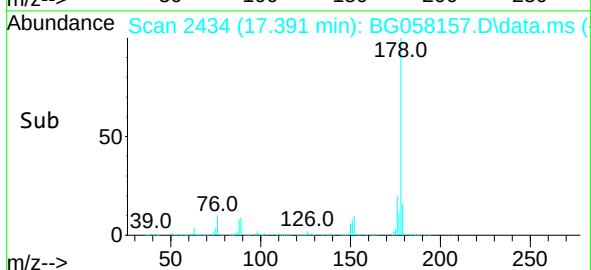
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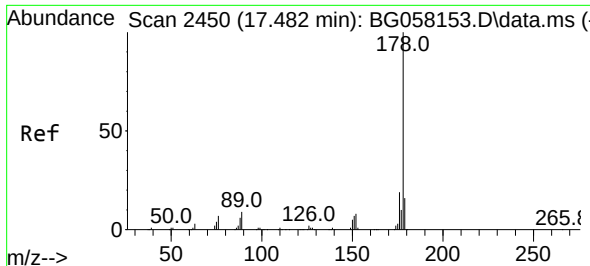


#72
Phenanthrene
Concen: 34.608 ng/ul
RT: 17.391 min Scan# 2434
Delta R.T. 0.008 min
Lab File: BG058157.D
Acq: 11 Jul 2023 12:53



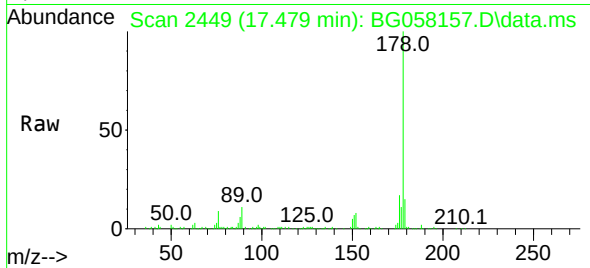
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Ion Ratio Lower Upper
178 100
179 16.3 12.8 19.2
176 20.4 15.7 23.5





#74
 Anthracene
 Concen: 5.191 ng/ul
 RT: 17.479 min Scan# 2449
 Delta R.T. 0.003 min
 Lab File: BG058157.D
 Acq: 11 Jul 2023 12:53

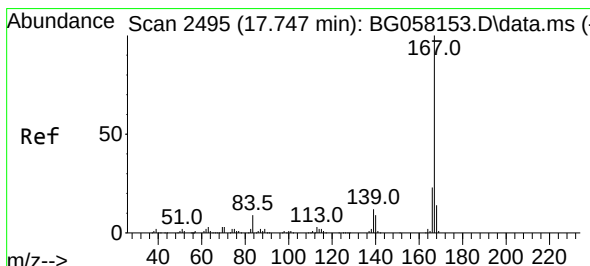
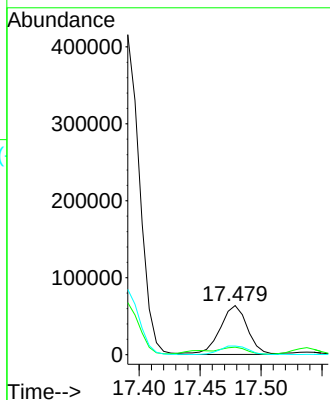
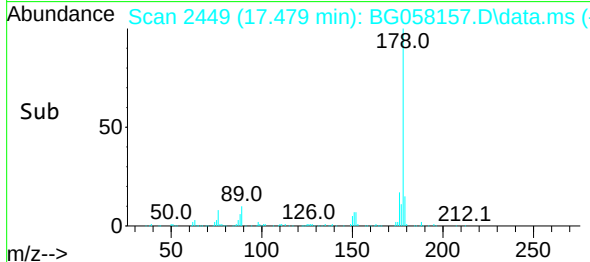
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Tgt Ion:178 Resp: 99519
 Ion Ratio Lower Upper
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 176 17.5 15.4 23.2

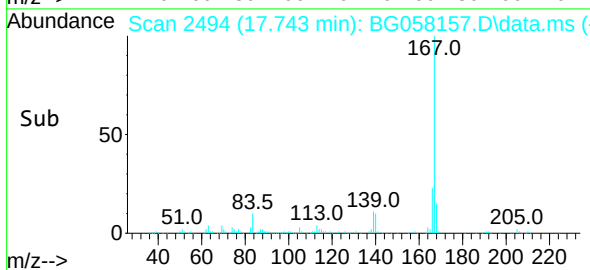
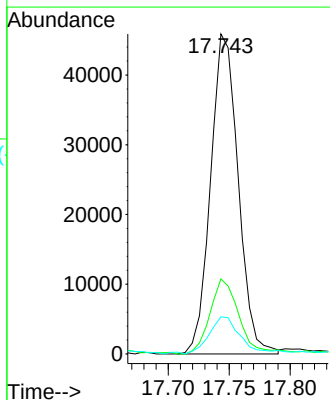
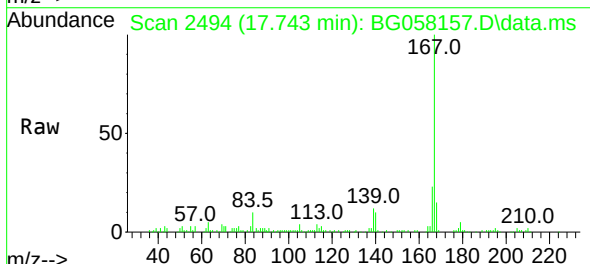
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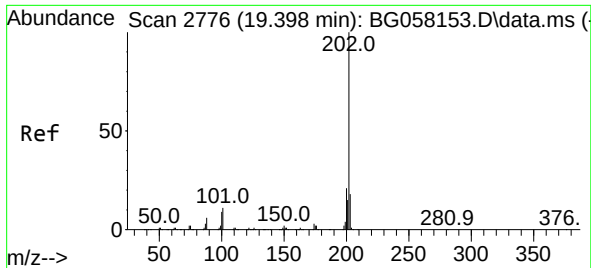
Reviewed By :Yogesh Patel 07/12/2023
 Supervised By :mohammad ahmed 07/12/2023



#77
 Carbazole
 Concen: 4.174 ng/ul
 RT: 17.743 min Scan# 2494
 Delta R.T. -0.003 min
 Lab File: BG058157.D
 Acq: 11 Jul 2023 12:53

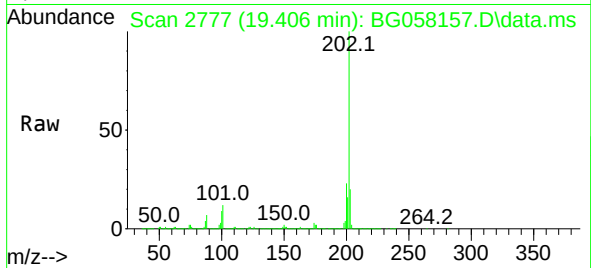
Tgt Ion:167 Resp: 72375
 Ion Ratio Lower Upper
 167 100
 166 23.4 17.5 26.3
 139 11.6 9.5 14.3





#80
Fluoranthene
Concen: 79.771 ng/uI
RT: 19.406 min Scan# 2777
Delta R.T. 0.014 min
Lab File: BG058157.D
Acq: 11 Jul 2023 12:53

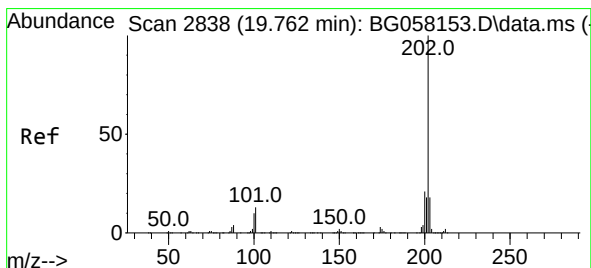
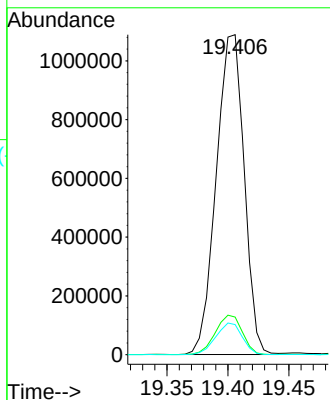
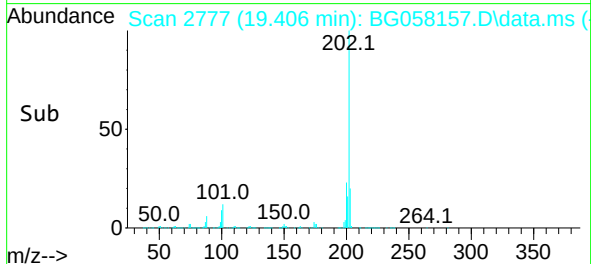
Instrument :
BNA_G
ClientSampleId :
EX801



Tgt Ion:202 Resp: 1733209
Ion Ratio Lower Upper
202 100
101 11.8 9.1 13.7
100 9.4 7.1 10.7

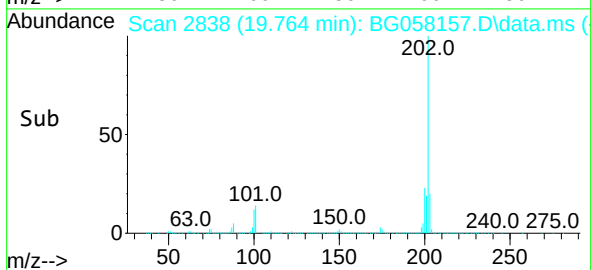
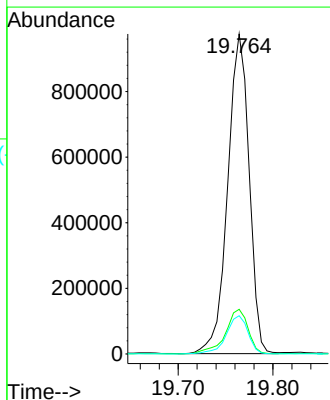
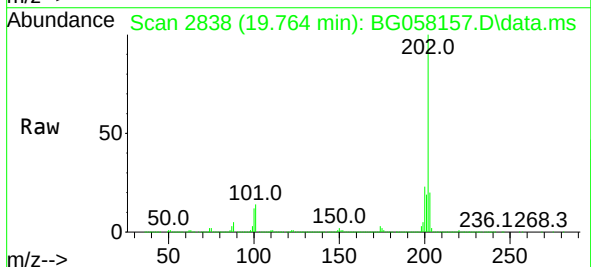
Manual Integrations
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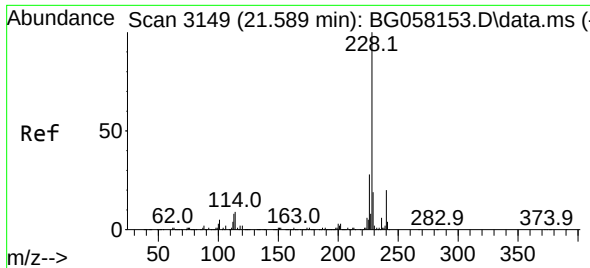
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023



#82
Pyrene
Concen: 69.778 ng/uI
RT: 19.764 min Scan# 2838
Delta R.T. 0.008 min
Lab File: BG058157.D
Acq: 11 Jul 2023 12:53

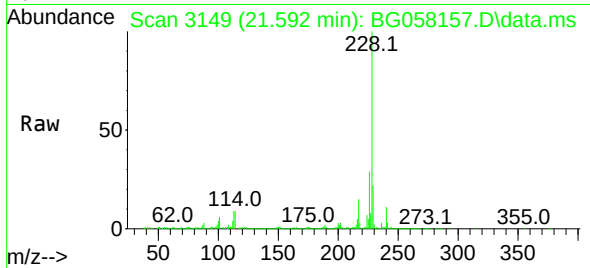
Tgt Ion:202 Resp: 1526097
Ion Ratio Lower Upper
202 100
101 14.0 10.2 15.2
100 11.9 8.9 13.3





#85
Benzo(a)anthracene
Concen: 40.097 ng/ul
RT: 21.592 min Scan# 3149
Delta R.T. 0.014 min
Lab File: BG058157.D
Acq: 11 Jul 2023 12:53

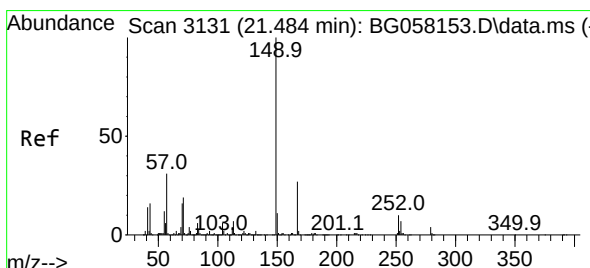
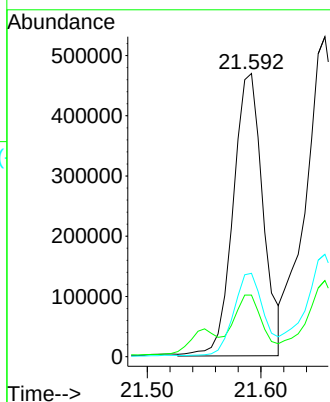
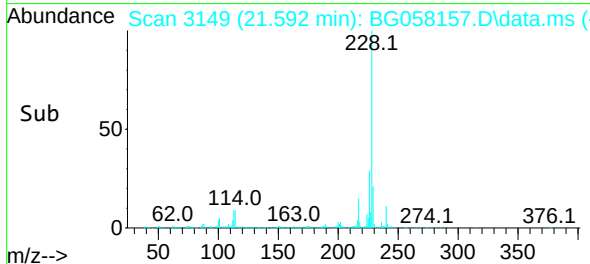
Instrument :
BNA_G
ClientSampleId :
EX801



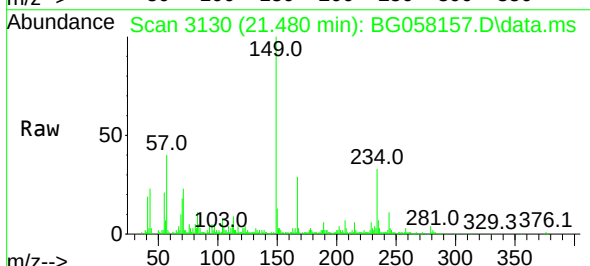
Tgt Ion:228 Resp: 857144
Ion Ratio Lower Upper
228 100
229 21.8 16.0 24.0
226 29.4 22.0 33.0

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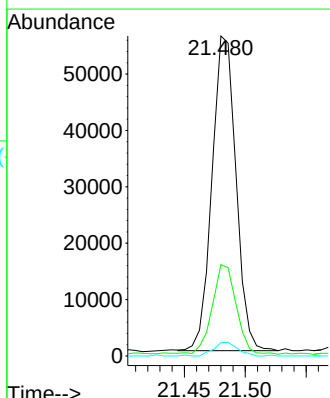
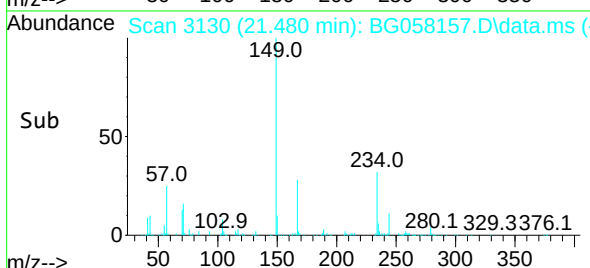
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023

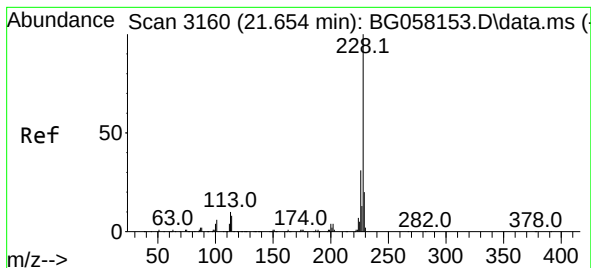


#86
Bis(2-ethylhexyl)phthalate
Concen: 6.016 ng/ul
RT: 21.480 min Scan# 3130
Delta R.T. 0.003 min
Lab File: BG058157.D
Acq: 11 Jul 2023 12:53



Tgt Ion:149 Resp: 76464
Ion Ratio Lower Upper
149 100
167 28.6 20.9 31.3
279 4.2 3.1 4.7





#87

Chrysene

Concen: 52.264 ng/ul m

RT: 21.656 min Scan# 3160

Delta R.T. 0.008 min

Lab File: BG058157.D

Acq: 11 Jul 2023 12:53

Instrument :

BNA_G

ClientSampleId :

EX801

Tgt Ion:228 Resp: 104733

Ion Ratio Lower Upper

228 100

226 32.0 24.4 36.6

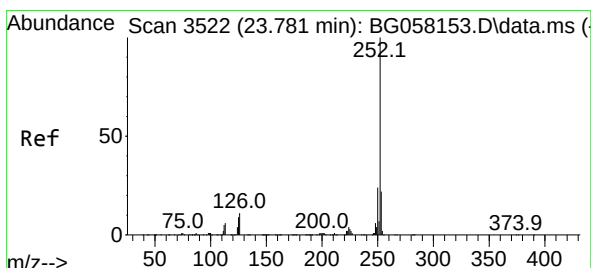
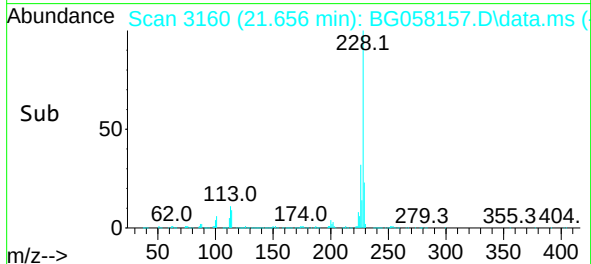
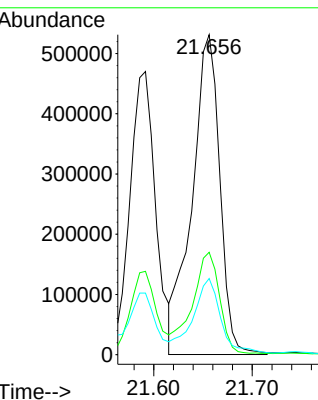
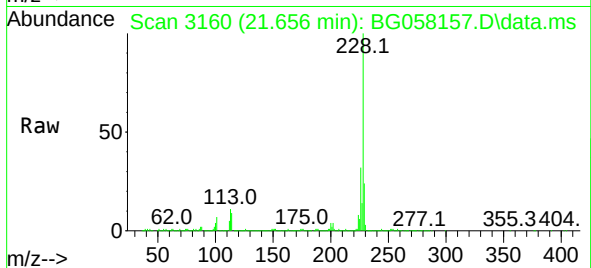
229 23.8 15.5 23.3

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Reviewed By :Yogesh Patel 07/12/2023

Supervised By :mohammad ahmed 07/12/2023



#90

Benzo(b)fluoranthene

Concen: 64.885 ng/ul

RT: 23.801 min Scan# 3525

Delta R.T. 0.032 min

Lab File: BG058157.D

Acq: 11 Jul 2023 12:53

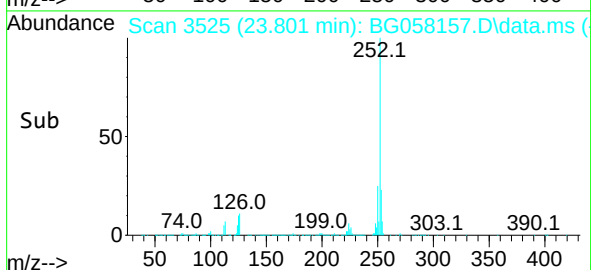
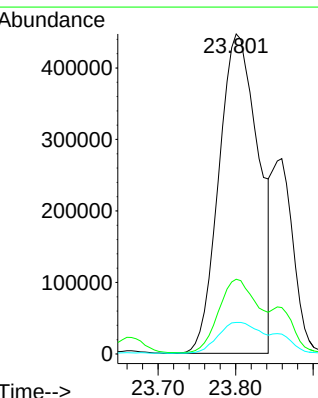
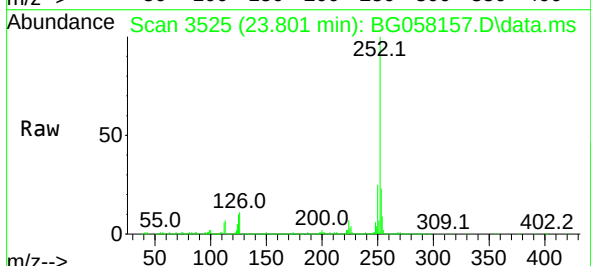
Tgt Ion:252 Resp: 1579341

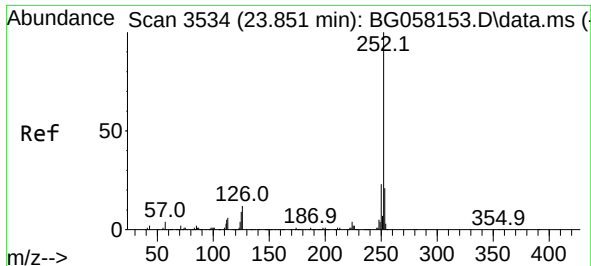
Ion Ratio Lower Upper

252 100

253 23.3 18.1 27.1

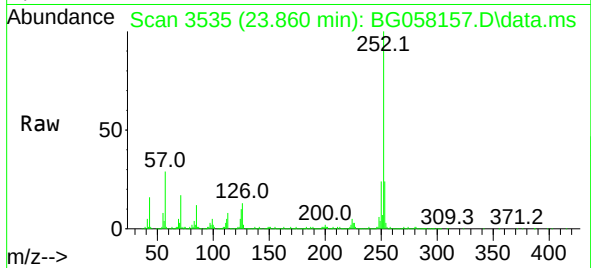
125 9.9 7.5 11.3





#91
Benzo(k)fluoranthene
Concen: 22.239 ng/ul m
RT: 23.860 min Scan# 30
Delta R.T. 0.020 min
Lab File: BG058157.D
Acq: 11 Jul 2023 12:53

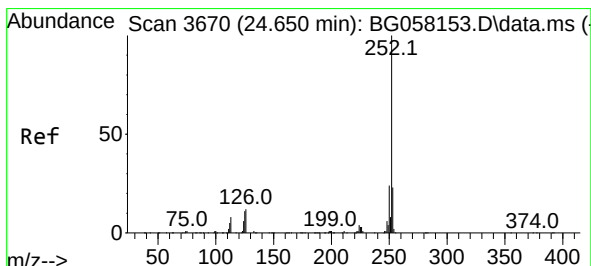
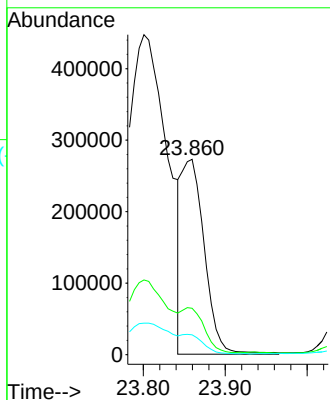
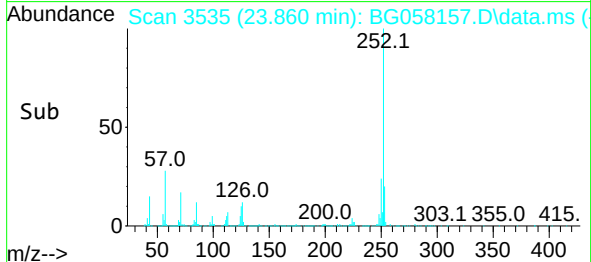
Instrument :
BNA_G
ClientSampleId :
EX801



Tgt Ion:252 Resp: 530584
Ion Ratio Lower Upper
252 100
253 23.8 17.7 26.5
125 10.1 7.4 11.2

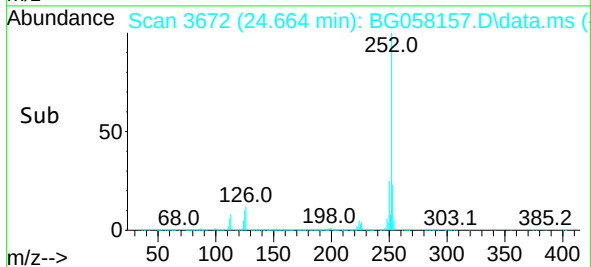
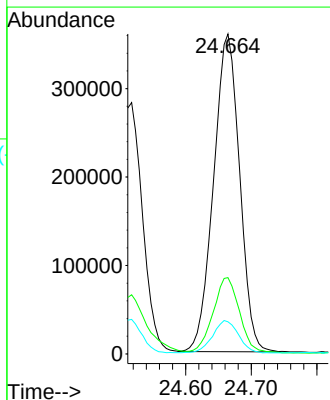
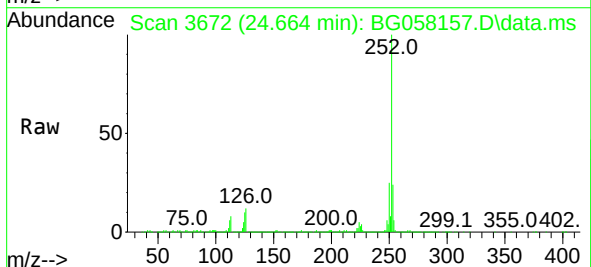
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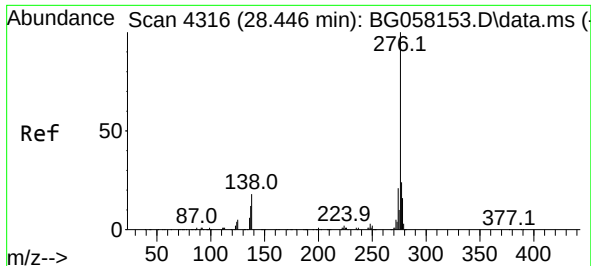
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023



#93
Benzo(a)pyrene
Concen: 45.869 ng/ul
RT: 24.664 min Scan# 3672
Delta R.T. 0.026 min
Lab File: BG058157.D
Acq: 11 Jul 2023 12:53

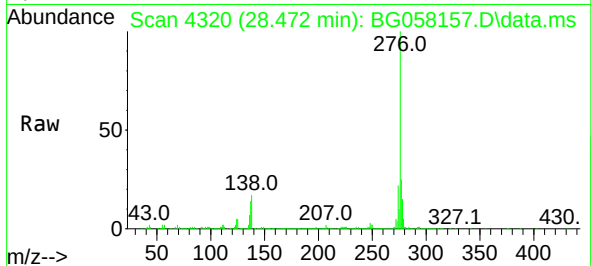
Tgt Ion:252 Resp: 988191
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.6
125 10.0 8.3 12.5





#94
Indeno(1,2,3-cd)pyrene
Concen: 30.054 ng/ul
RT: 28.472 min Scan# 4320
Delta R.T. 0.050 min
Lab File: BG058157.D
Acq: 11 Jul 2023 12:53

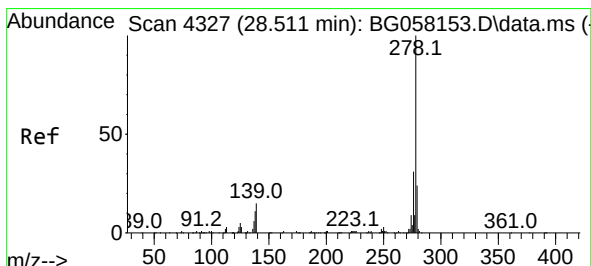
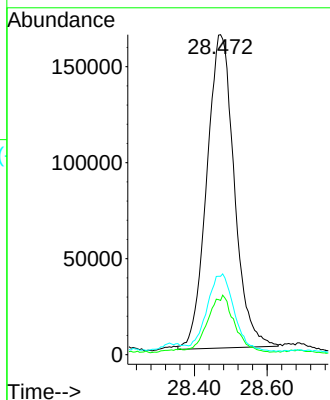
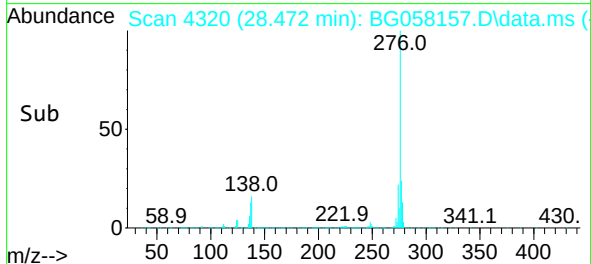
Instrument :
BNA_G
ClientSampleId :
EX801



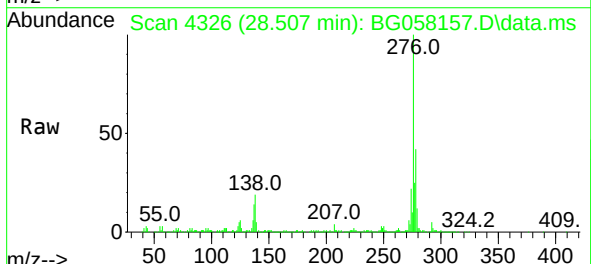
Tgt Ion:276 Resp: 859789
Ion Ratio Lower Upper
276 100
138 16.9 14.0 21.0
277 24.5 19.4 29.2

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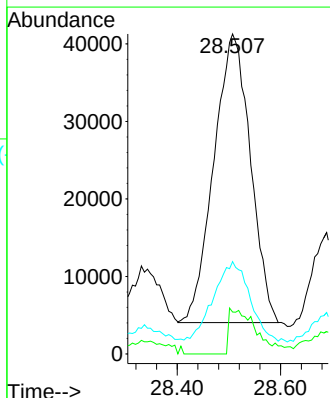
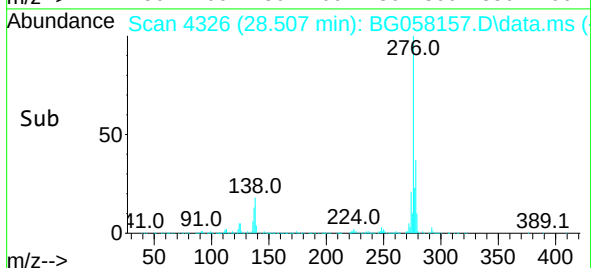
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023

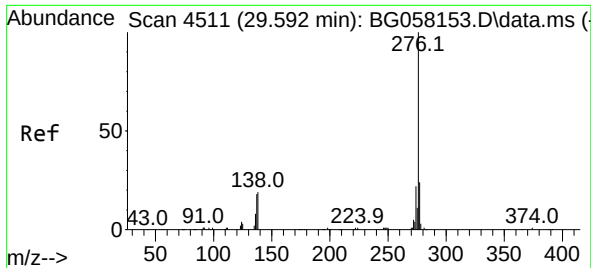


#95
Dibenzo(a,h)anthracene
Concen: 7.756 ng/ul
RT: 28.507 min Scan# 4326
Delta R.T. 0.020 min
Lab File: BG058157.D
Acq: 11 Jul 2023 12:53



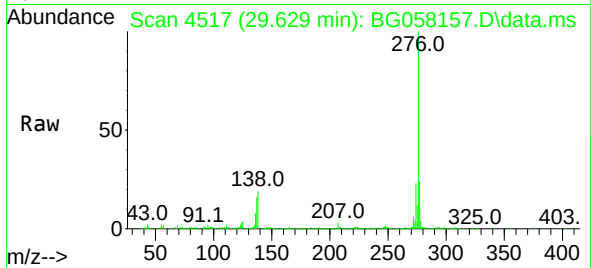
Tgt Ion:278 Resp: 182962
Ion Ratio Lower Upper
278 100
139 13.1 11.3 16.9
279 28.9 18.9 28.3#





#96
 Benzo(g,h,i)perylene
 Concen: 33.715 ng/ul
 RT: 29.629 min Scan# 4517
 Delta R.T. 0.067 min
 Lab File: BG058157.D
 Acq: 11 Jul 2023 12:53

Instrument :
 BNA_G
 ClientSampleId :
 EX801



Tgt Ion:276 Resp: 787830
 Ion Ratio Lower Upper
 276 100
 138 19.0 14.2 21.2
 277 24.5 18.6 27.8

Manual Integrations
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Reviewed By :Yogesh Patel 07/12/2023
 Supervised By :mohammad ahmed 07/12/2023

