

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112321\
 Data File : BG051233.D
 Acq On : 25 Nov 2021 6:25
 Operator : CG/JU
 Sample : M4725-10
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 F4L19

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/30/2021
 Supervised By :Sohil Jodhani 11/30/2021

Quant Time: Nov 25 07:59:30 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112321.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 24 06:04:50 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.200	152	34397	20.000	ng/u1	0.00
20) Naphthalene-d8	11.049	136	149215	20.000	ng/u1	0.02
38) Acenaphthene-d10	14.833	164	91718	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.583	188	176522	20.000	ng/u1	0.00
79) Chrysene-d12	21.889	240	164755	20.000	ng/u1	0.00
88) Perylene-d12	25.297	264	169335	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.534	96	4413	4.458	ng/uL	0.00
4) Pyridine-d5	3.975	84	23199	7.987	ng/u1	0.00
7) Phenol-d5	7.359	99	29832	8.775	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.512	67	72495	33.954	ng/u1	0.00
11) 2-Chlorophenol-d4	7.730	132	68919	28.153	ng/u1	0.00
15) 4-Methylphenol-d8	8.916	113	50631	18.456	ng/u1	0.00
21) Nitrobenzene-d5	9.381	128	45457	36.089	ng/u1	0.00
24) 2-Nitrophenol-d4	10.109	143	51285	36.094	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.667	165	81426	33.776	ng/u1	0.01
31) 4-Chloroaniline-d4	11.173	131	93193	26.419	ng/u1	0.00
46) Dimethylphthalate-d6	14.240	166	260594	36.926	ng/u1	0.01
49) Acenaphthylene-d8	14.533	160	323850	36.392	ng/u1	0.00
54) 4-Nitrophenol-d4	15.068	143	17931m	15.697	ng/u1	0.02
60) Fluorene-d10	15.826	176	239620	37.706	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.967	200	18243	16.748	ng/u1	0.01
73) Anthracene-d10	17.683	188	341734	40.478	ng/u1	0.00
81) Pyrene-d10	19.968	212	383135	38.433	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.062	264	351449	38.861	ng/u1	0.02
Target Compounds					Qvalue	
8) Phenol	7.389	94	7802	2.215	ng/u1#	88
13) 2-Methylphenol	8.646	108	100103	38.160	ng/u1	99
18) 4-Methylphenol	8.975	108	6477	2.309	ng/u1	98
26) 2,4-Dimethylphenol	10.203	107	278581m	92.583	ng/u1	
30) Naphthalene	11.137	128	8495064	1046.307	ng/u1#	59
36) 2-Methylnaphthalene	12.671	142	128874	23.336	ng/u1	99
37) 1-Methylnaphthalene	12.894	142	338667	59.607	ng/u1	95
43) 1,1'-Biphenyl	13.664	154	69480	10.142	ng/u1	98
50) Acenaphthylene	14.557	152	39032	4.439	ng/u1#	77
52) Acenaphthene	14.909	153	1325766	228.647	ng/u1	93
56) Dibenzofuran	15.238	168	1100324	131.564	ng/u1	94
61) Fluorene	15.885	166	873589	130.403	ng/u1	99
72) Phenanthrene	17.630	178	494668	50.753	ng/u1	98
74) Anthracene	17.718	178	146320	15.116	ng/u1	99
77) Carbazole	18.012	167	1601375	188.473	ng/u1#	92
80) Fluoranthene	19.645	202	270783	22.115	ng/u1#	95
82) Pyrene	19.998	202	159636	13.328	ng/u1	95
85) Benzo(a)anthracene	21.866	228	27402	2.452	ng/u1	99
87) Chrysene	21.936	228	25402m	2.366	ng/u1	
90) Benzo(b)fluoranthene	24.198	252	21540m	1.885	ng/u1	
93) Benzo(a)pyrene	25.139	252	12138m	1.113	ng/u1	

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

Instrument :

BNA_G

ClientSampleId :

F4L19

Manual Integrations**APPROVED**

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Supervised By :Sohil Jodhani 11/30/2021

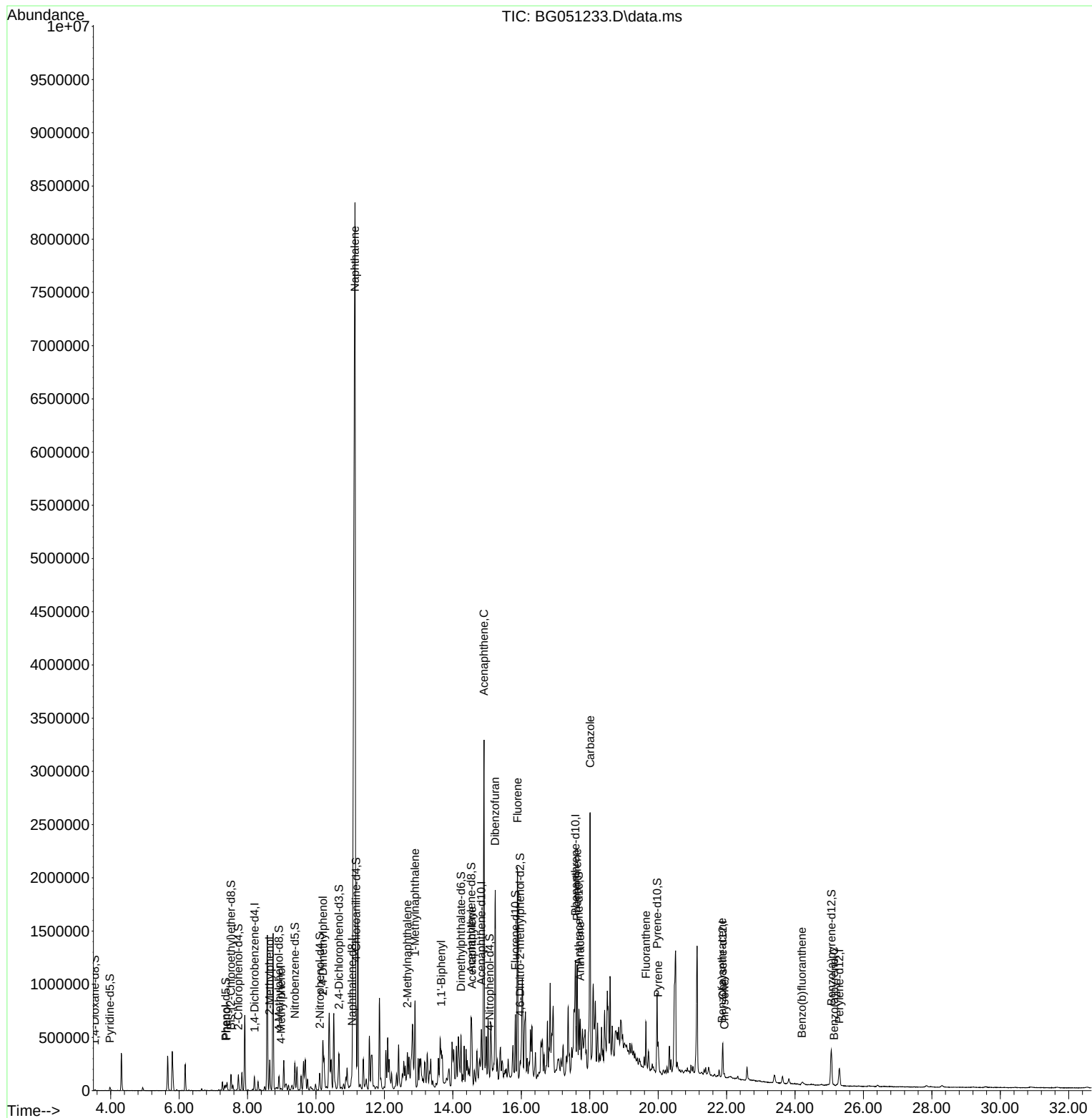
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112321\
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 Operator : CG/JU
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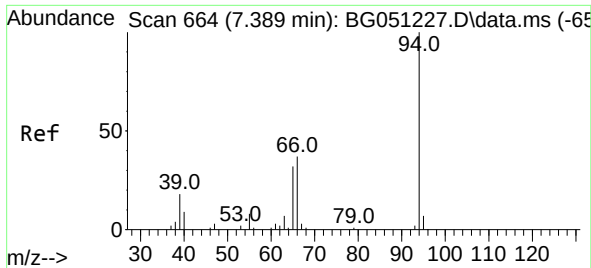
Instrument :
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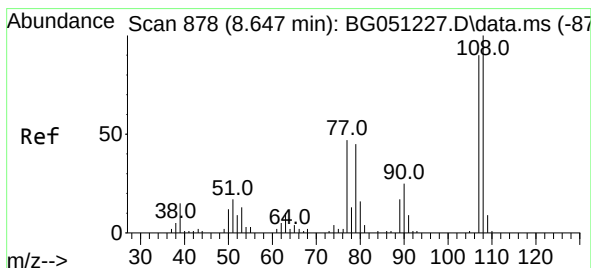
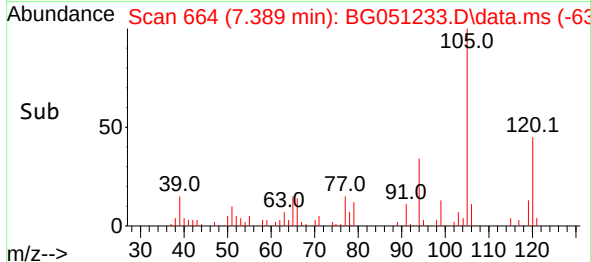
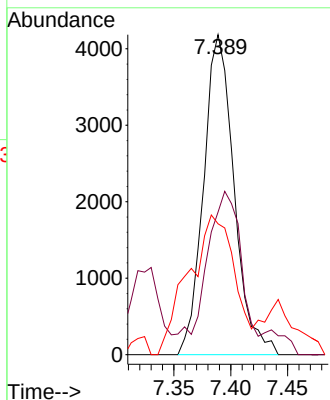
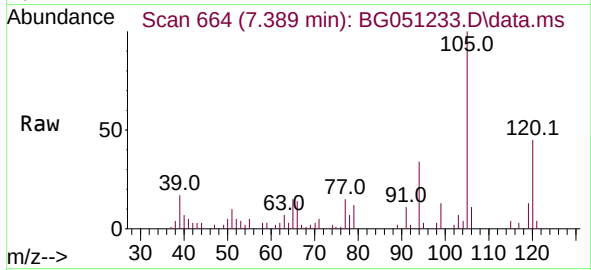
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Phenol
Concen: 2.215 ng/ul
RT: 7.389 min Scan# 664
Delta R.T. 0.002 min
Lab File: BG051233.D
Acq: 25 Nov 2021 6:25

Instrument :
BNA_G
ClientSampleId :
F4L19

Tgt Ion: 94 Resp: 780
Ion Ratio Lower Upper
94 100
65 44.6 25.1 37.7
66 40.9 31.6 47.4

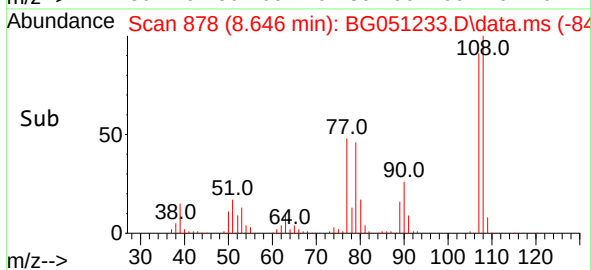
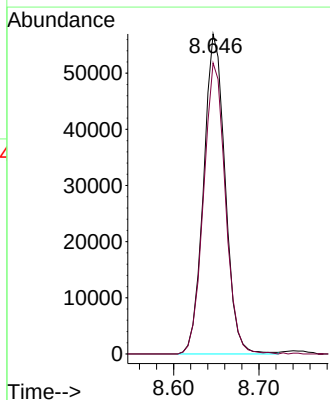
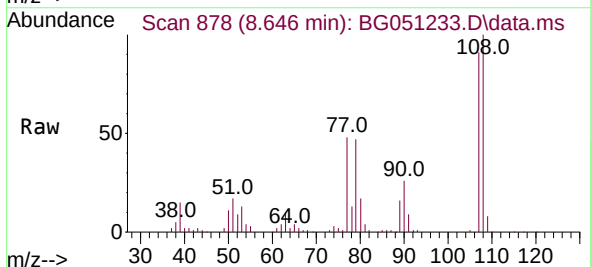
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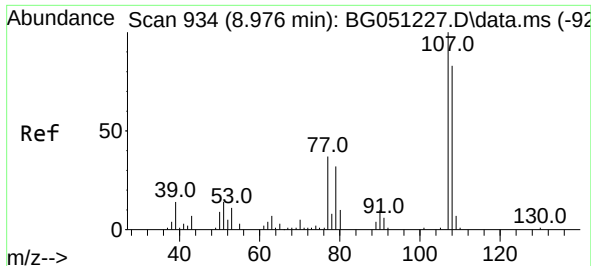
Reviewed By :Jagrut Upadhyay 11/30/2021
Supervised By :Sohil Jodhani 11/30/2021



#13
2-Methylphenol
Concen: 38.160 ng/ul
RT: 8.646 min Scan# 878
Delta R.T. 0.002 min
Lab File: BG051233.D
Acq: 25 Nov 2021 6:25

Tgt Ion:108 Resp: 100103
Ion Ratio Lower Upper
108 100
107 90.9 71.8 107.6





#18

4-Methylphenol

Concen: 2.309 ng/ul

RT: 8.975 min Scan# 91

Delta R.T. -0.003 min

Lab File: BG051233.D

Acq: 25 Nov 2021 6:25

Instrument :

BNA_G

ClientSampleId :

F4L19

Tgt Ion:108 Resp: 647

Ion Ratio Lower Upper

108 100

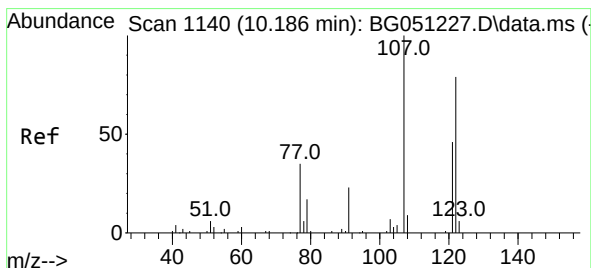
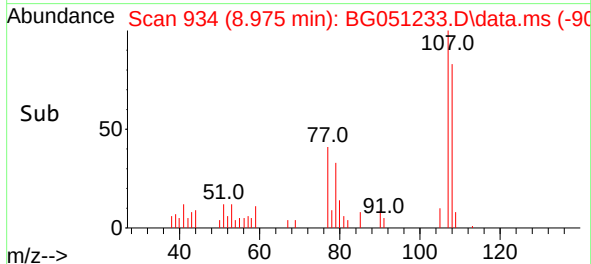
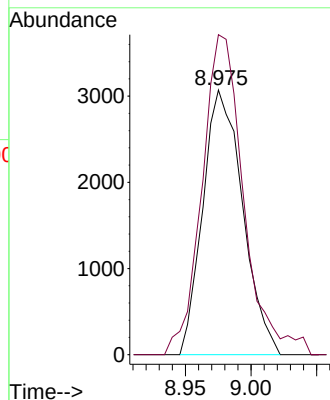
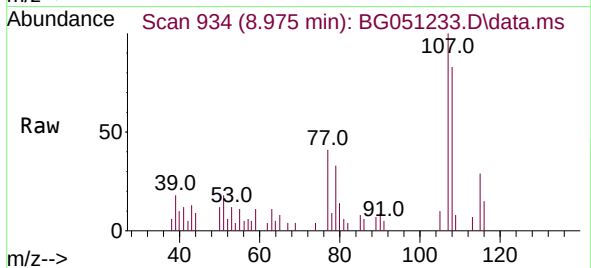
107 120.9 95.0 142.4

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#26

2,4-Dimethylphenol

Concen: 92.583 ng/ul m

RT: 10.203 min Scan# 1143

Delta R.T. 0.020 min

Lab File: BG051233.D

Acq: 25 Nov 2021 6:25

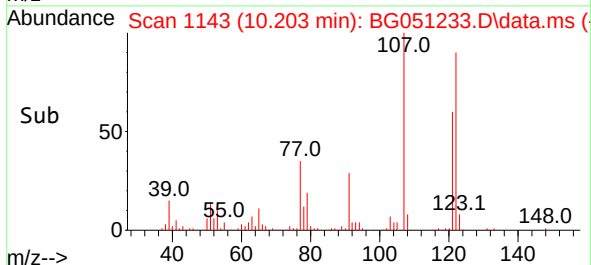
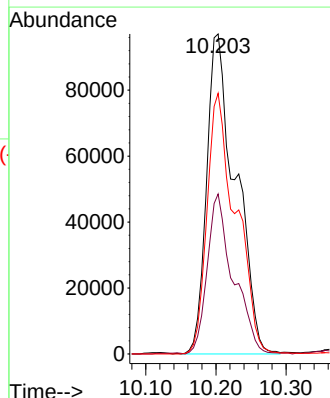
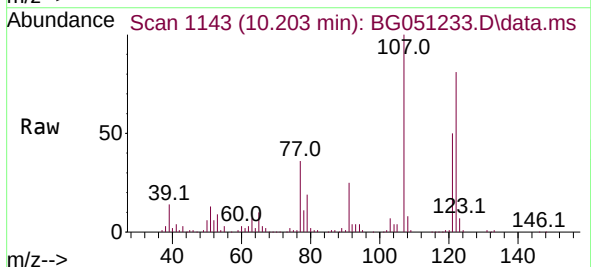
Tgt Ion:107 Resp: 278581

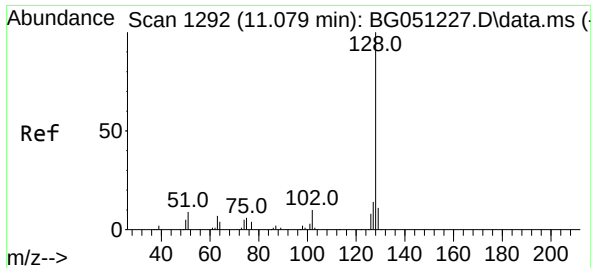
Ion Ratio Lower Upper

107 100

121 50.0 39.3 58.9

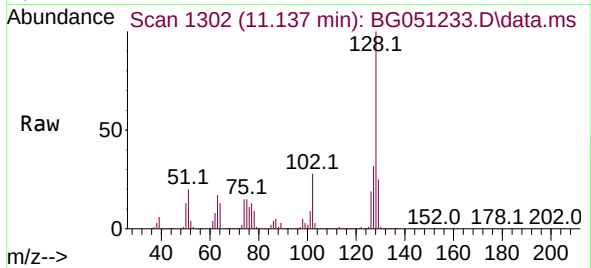
122 81.4 63.7 95.5





#30
Naphthalene
Concen: 1046.307 ng/ul
RT: 11.137 min Scan# 11
Delta R.T. 0.061 min
Lab File: BG051233.D
Acq: 25 Nov 2021 6:25

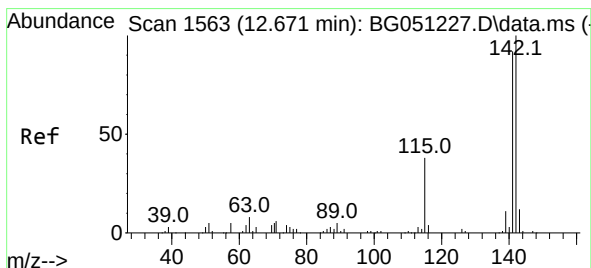
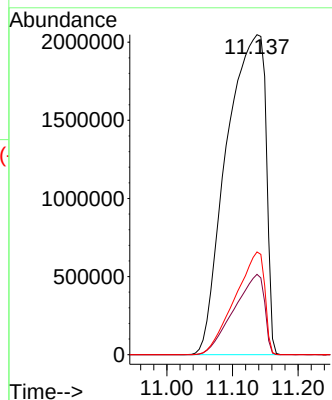
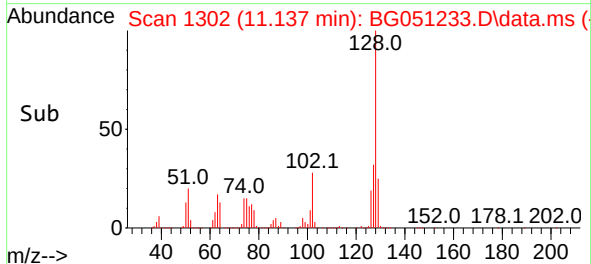
Instrument :
BNA_G
ClientSampleId :
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Tgt Ion:128 Resp: 8495064
Ion Ratio Lower Upper
128 100
129 25.1 8.5 12.7
127 32.1 11.8 17.6

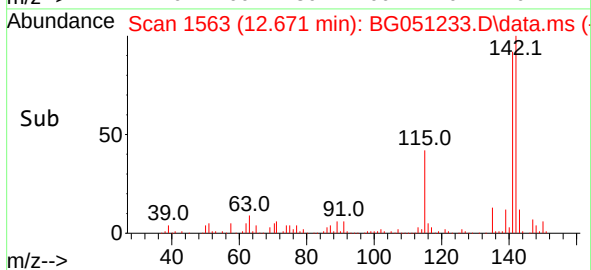
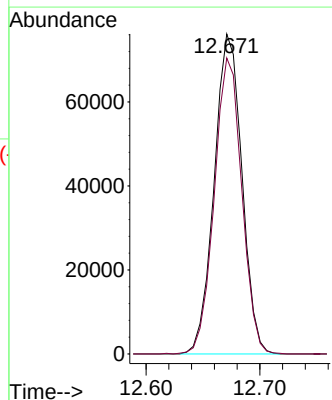
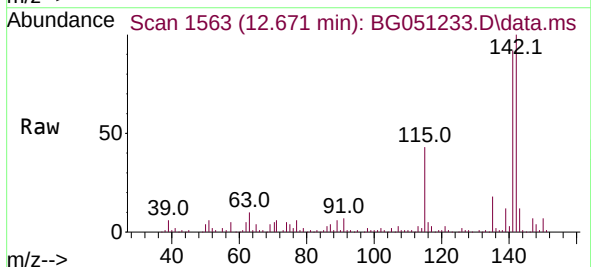
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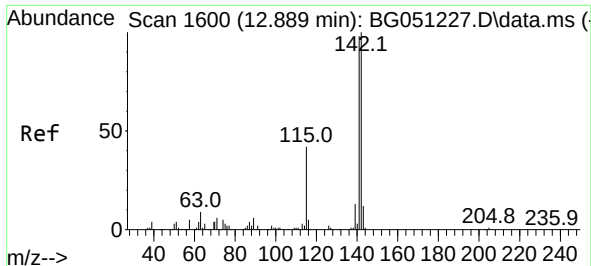
Reviewed By :Jagrut Upadhyay 11/30/2021
Supervised By :Sohil Jodhani 11/30/2021



#36
2-Methylnaphthalene
Concen: 23.336 ng/ul
RT: 12.671 min Scan# 1563
Delta R.T. 0.002 min
Lab File: BG051233.D
Acq: 25 Nov 2021 6:25

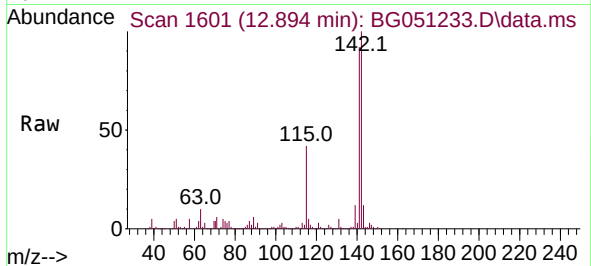
Tgt Ion:142 Resp: 128874
Ion Ratio Lower Upper
142 100
141 92.5 73.3 109.9





#37
1-Methylnaphthalene
Concen: 59.607 ng/ul
RT: 12.894 min Scan# 1
Delta R.T. 0.008 min
Lab File: BG051233.D
Acq: 25 Nov 2021 6:25

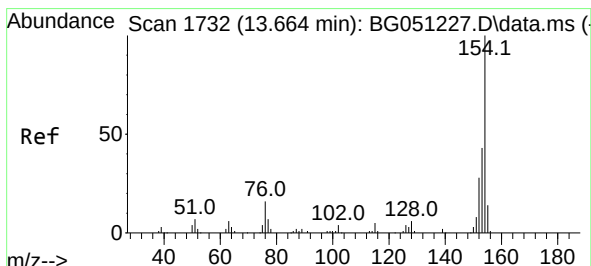
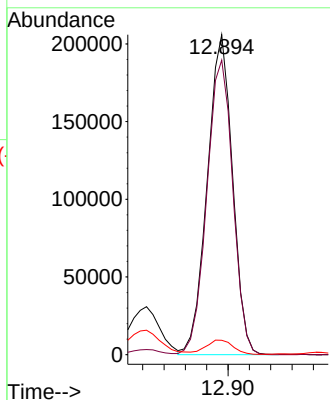
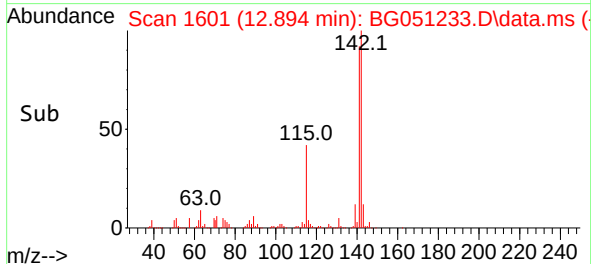
Instrument :
BNA_G
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Tgt Ion:142 Resp: 33866
Ion Ratio Lower Upper
142 100
141 92.1 77.8 116.8
116 4.5 3.3 4.9

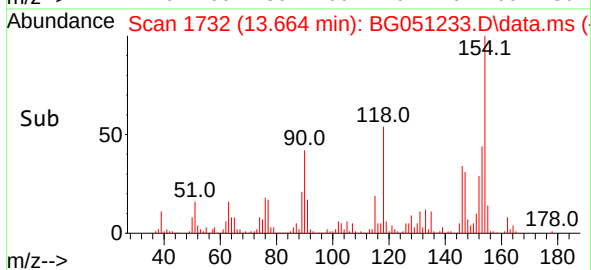
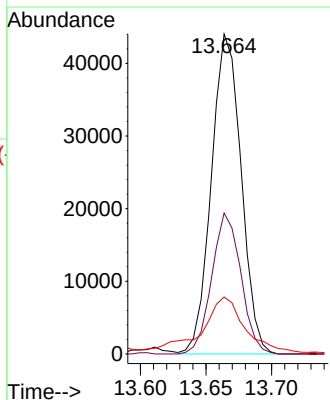
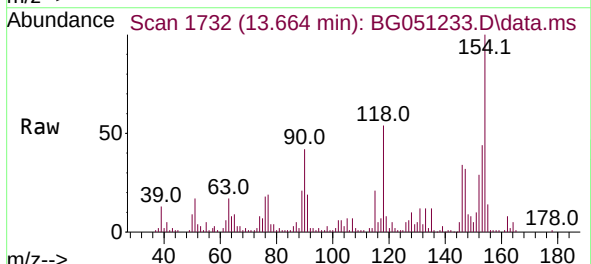
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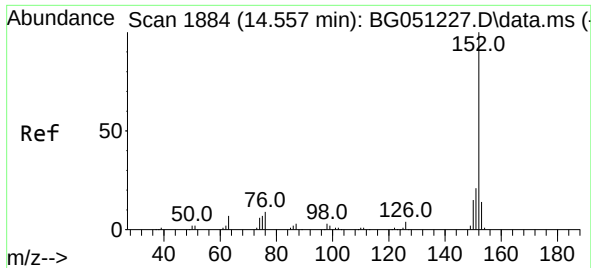
Reviewed By :Jagrut Upadhyay 11/30/2021
Supervised By :Sohil Jodhani 11/30/2021



#43
1,1'-Biphenyl
Concen: 10.142 ng/ul
RT: 13.664 min Scan# 1732
Delta R.T. -0.003 min
Lab File: BG051233.D
Acq: 25 Nov 2021 6:25

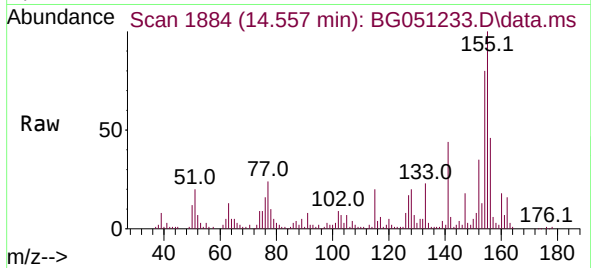
Tgt Ion:154 Resp: 69480
Ion Ratio Lower Upper
154 100
153 44.0 34.5 51.7
76 17.8 13.1 19.7





#50
Acenaphthylene
Concen: 4.439 ng/ul
RT: 14.557 min Scan# 1884
Delta R.T. -0.003 min
Lab File: BG051233.D
Acq: 25 Nov 2021 6:25

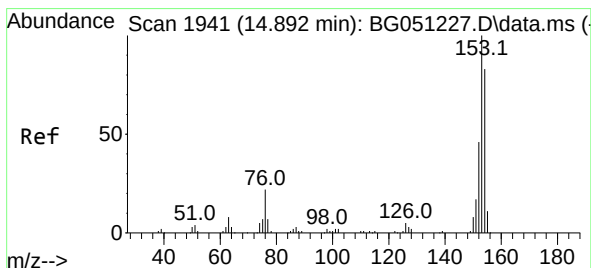
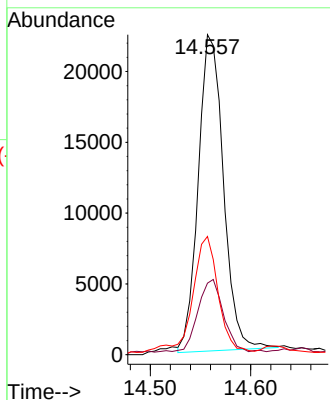
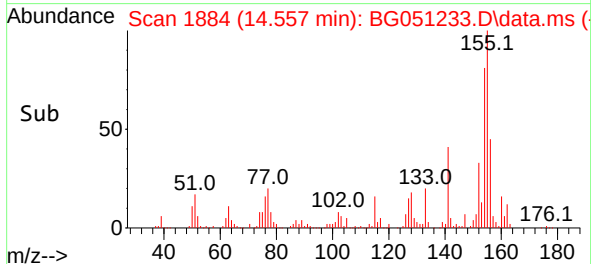
Instrument :
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Tgt Ion:152 Resp: 3903
Ion Ratio Lower Upper
152 100
151 22.3 17.4 26.0
153 37.0 10.3 15.5

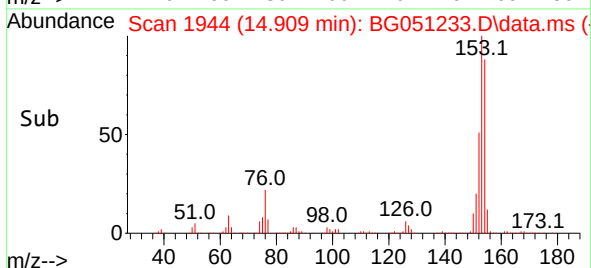
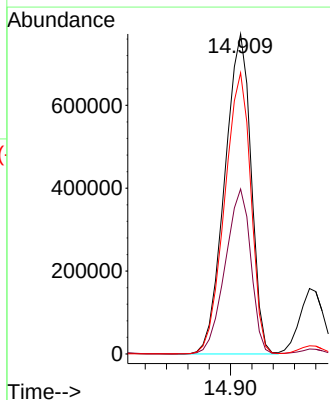
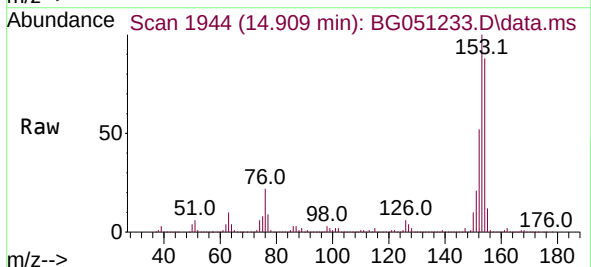
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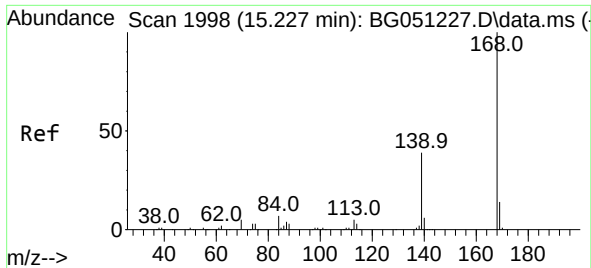
Reviewed By :Jagrut Upadhyay 11/30/2021
Supervised By :Sohil Jodhani 11/30/2021



#52
Acenaphthene
Concen: 228.647 ng/ul
RT: 14.909 min Scan# 1944
Delta R.T. 0.014 min
Lab File: BG051233.D
Acq: 25 Nov 2021 6:25

Tgt Ion:153 Resp: 1325766
Ion Ratio Lower Upper
153 100
152 51.5 36.5 54.7
154 87.9 65.8 98.6





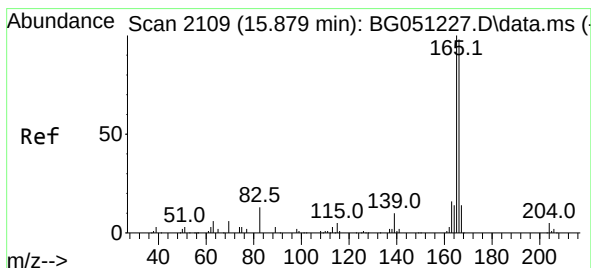
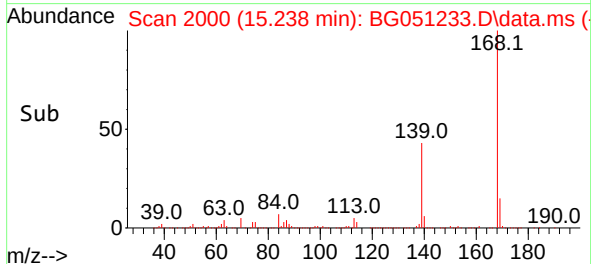
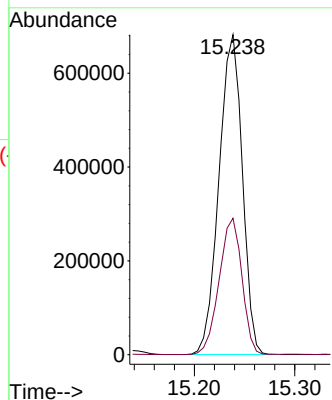
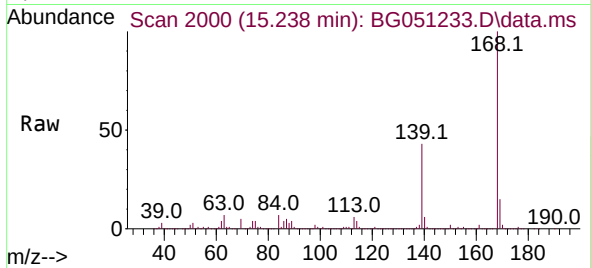
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Dibenzofuran
Concen: 131.564 ng/ul
RT: 15.238 min Scan# 2000
Delta R.T. 0.008 min
Lab File: BG051233.D
Acq: 25 Nov 2021 6:25

Instrument :
BNA_G
ClientSampleId :
F4L19

Tgt Ion:168 Resp: 1100324
Ion Ratio Lower Upper
168 100
139 42.6 31.2 46.8

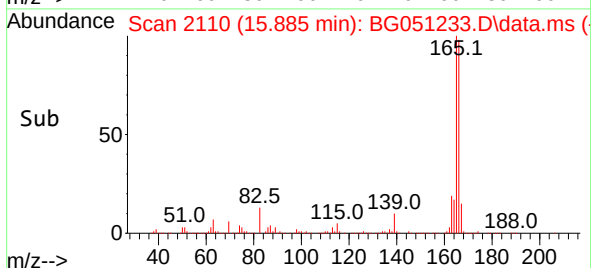
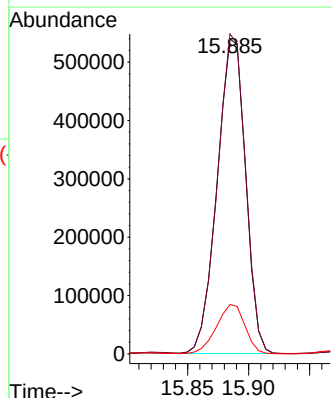
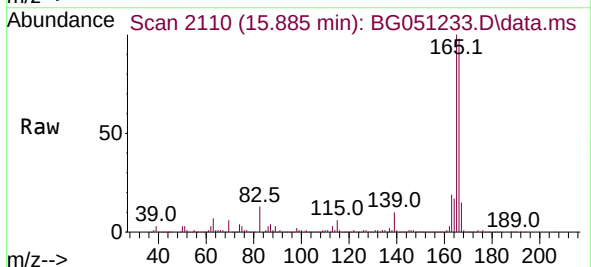
Manual Integrations
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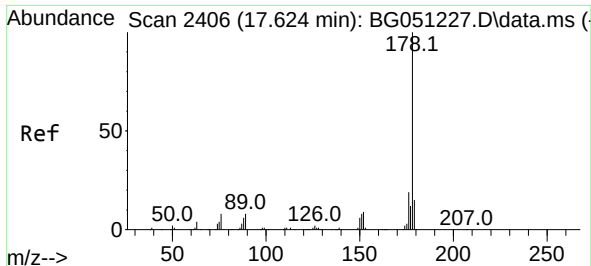
Reviewed By :Jagrut Upadhyay 11/30/2021
Supervised By :Sohil Jodhani 11/30/2021



#61
Fluorene
Concen: 130.403 ng/ul
RT: 15.885 min Scan# 2110
Delta R.T. 0.008 min
Lab File: BG051233.D
Acq: 25 Nov 2021 6:25

Tgt Ion:166 Resp: 873589
Ion Ratio Lower Upper
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165 101.6 81.0 121.6
167 15.7 11.0 16.4





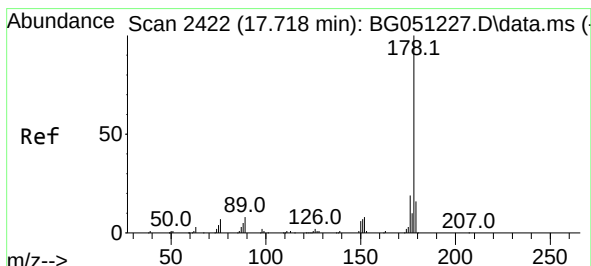
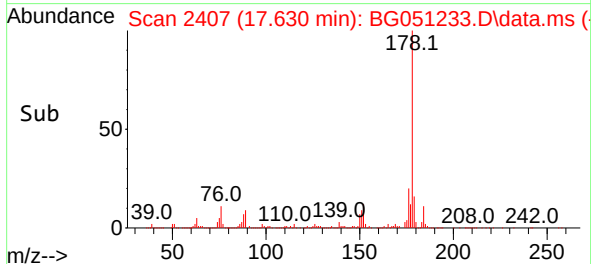
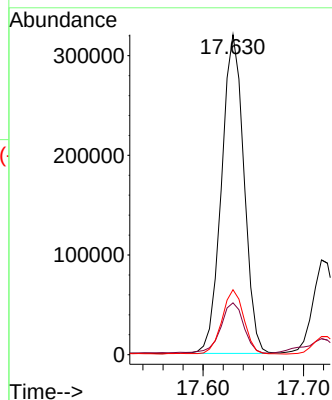
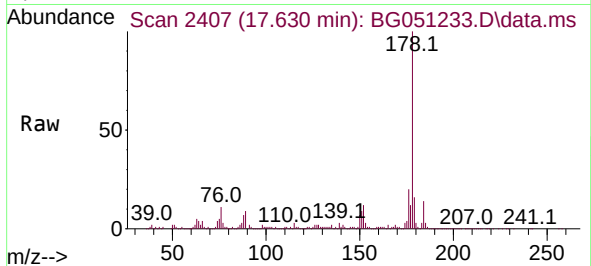
#72
Phenanthrene
Concen: 50.753 ng/ul
RT: 17.630 min Scan# 2406
Delta R.T. 0.008 min
Lab File: BG051233.D
Acq: 25 Nov 2021 6:25

Instrument :
BNA_G
ClientSampleId :
F4L19

Tgt Ion:178 Resp: 494668
Ion Ratio Lower Upper
178 100
179 16.2 12.3 18.5
176 20.3 15.5 23.3

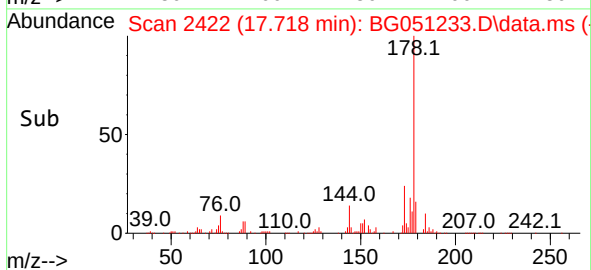
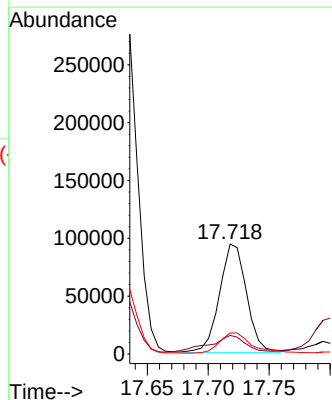
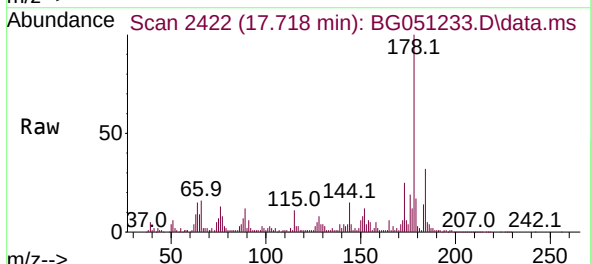
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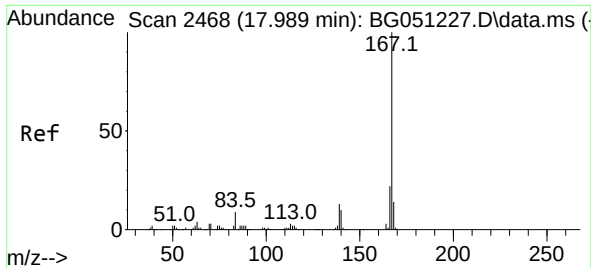
Reviewed By :Jagrut Upadhyay 11/30/2021
Supervised By :Sohil Jodhani 11/30/2021



#74
Anthracene
Concen: 15.116 ng/ul
RT: 17.718 min Scan# 2422
Delta R.T. 0.002 min
Lab File: BG051233.D
Acq: 25 Nov 2021 6:25

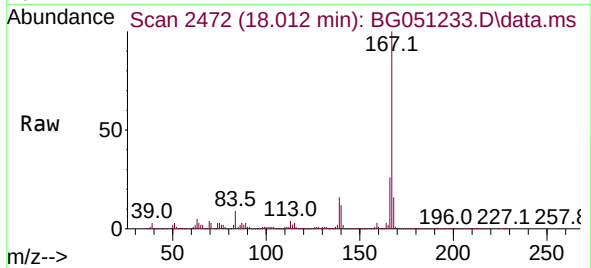
Tgt Ion:178 Resp: 146320
Ion Ratio Lower Upper
178 100
179 16.9 13.0 19.6
176 19.1 15.6 23.4





#77
 Carbazole
 Concen: 188.473 ng/ul
 RT: 18.012 min Scan# 2468
 Delta R.T. 0.026 min
 Lab File: BG051233.D
 Acq: 25 Nov 2021 6:25

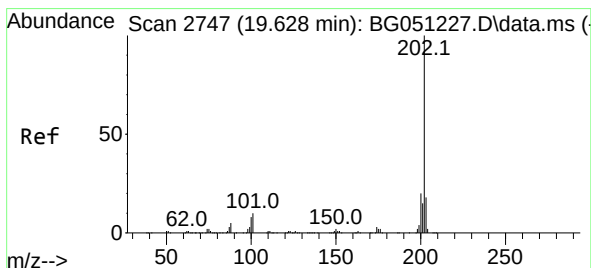
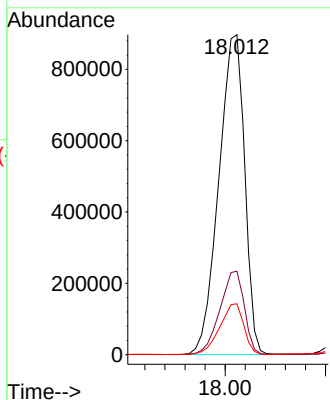
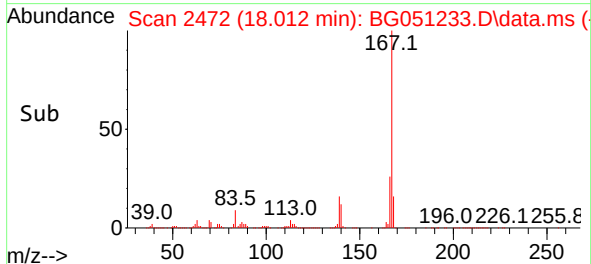
Instrument :
 BNA_G
 ClientSampleId :
 F4L19



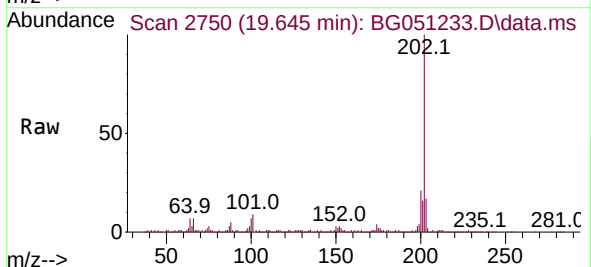
Tgt Ion:167 Resp: 1601379
 Ion Ratio Lower Upper
 167 100
 166 26.1 17.3 25.9#
 139 15.9 10.6 16.0

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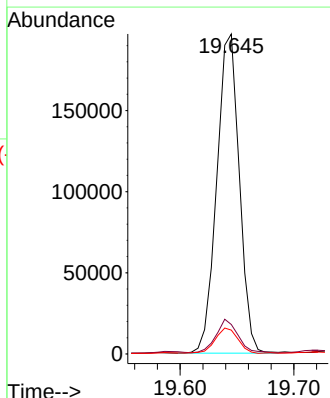
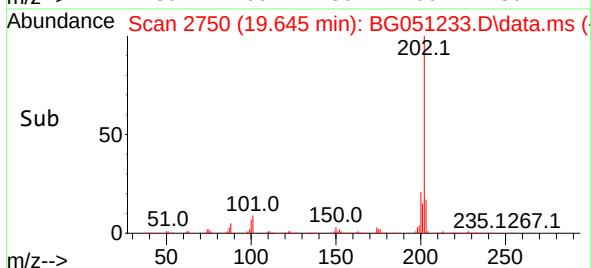
Reviewed By :Jagrut Upadhyay 11/30/2021
 Supervised By :Sohil Jodhani 11/30/2021

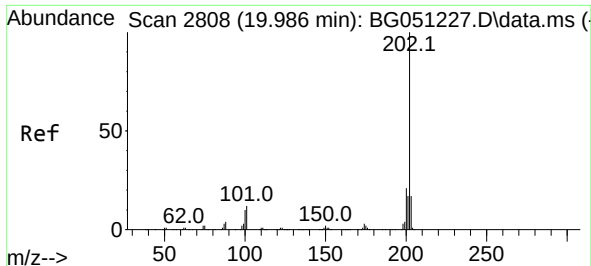


#80
 Fluoranthene
 Concen: 22.115 ng/ul
 RT: 19.645 min Scan# 2750
 Delta R.T. 0.020 min
 Lab File: BG051233.D
 Acq: 25 Nov 2021 6:25



Tgt Ion:202 Resp: 270783
 Ion Ratio Lower Upper
 202 100
 101 9.2 9.3 13.9#
 100 7.5 7.0 10.6





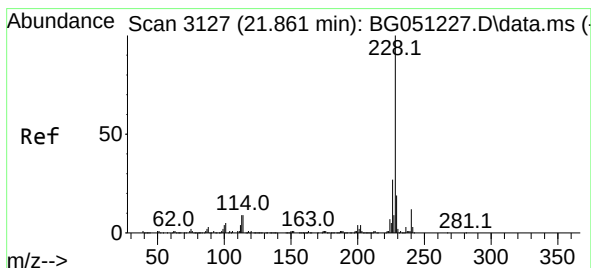
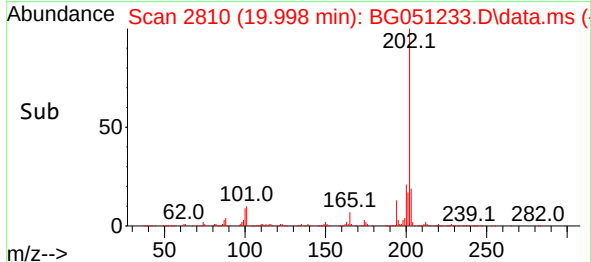
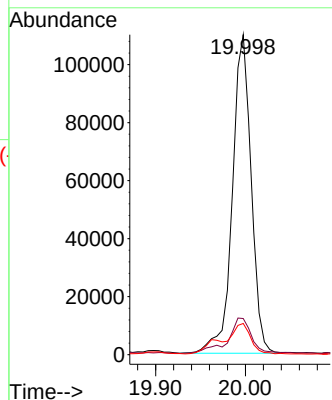
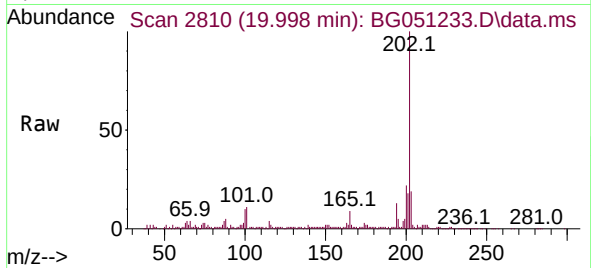
#82
Pyrene
Concen: 13.328 ng/u1
RT: 19.998 min Scan# 21
Delta R.T. 0.008 min
Lab File: BG051233.D
Acq: 25 Nov 2021 6:25

Instrument :
BNA_G
ClientSampleId :
F4L19

Tgt Ion:202 Resp: 159630
Ion Ratio Lower Upper
202 100
101 11.3 10.7 16.1
100 9.7 9.0 13.6

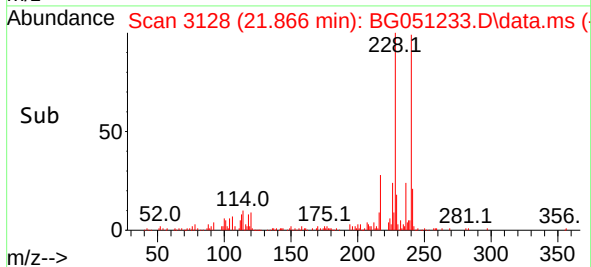
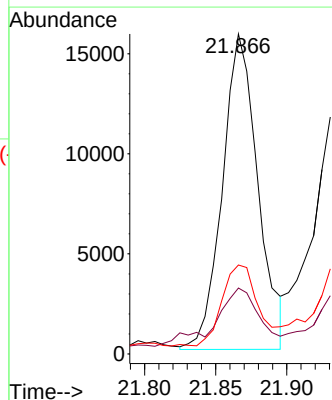
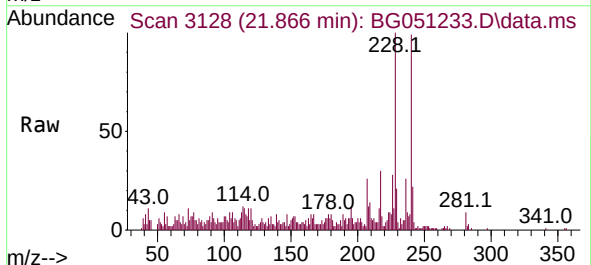
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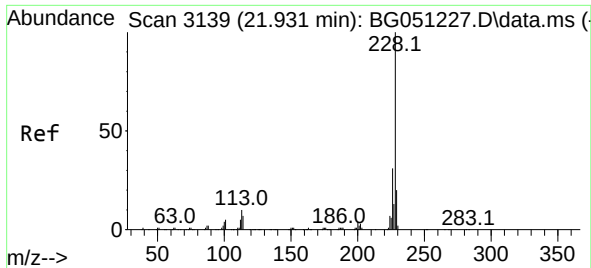
Reviewed By :Jagrut Upadhyay 11/30/2021
Supervised By :Sohil Jodhani 11/30/2021



#85
Benzo(a)anthracene
Concen: 2.452 ng/u1
RT: 21.866 min Scan# 3128
Delta R.T. 0.002 min
Lab File: BG051233.D
Acq: 25 Nov 2021 6:25

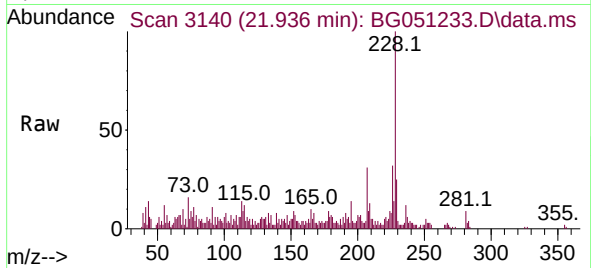
Tgt Ion:228 Resp: 27402
Ion Ratio Lower Upper
228 100
229 20.6 15.7 23.5
226 27.8 22.3 33.5





#87
Chrysene
Concen: 2.366 ng/ul m
RT: 21.936 min Scan# 3139
Delta R.T. 0.002 min
Lab File: BG051233.D
Acq: 25 Nov 2021 6:25

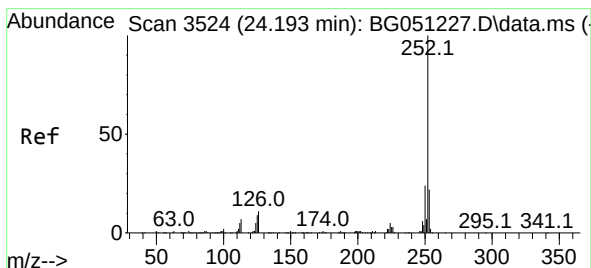
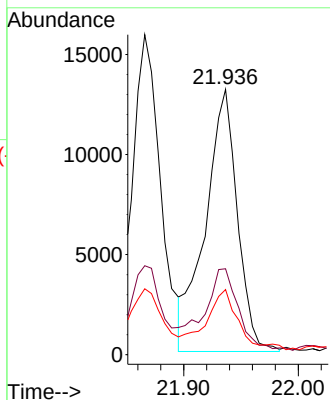
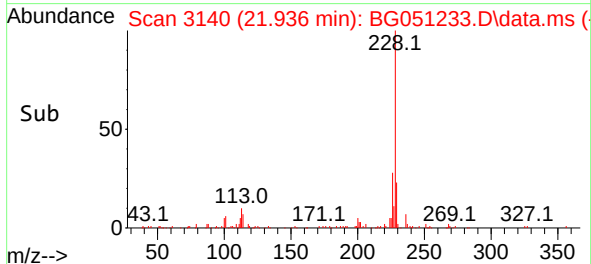
Instrument :
BNA_G
ClientSampleId :
F4L19



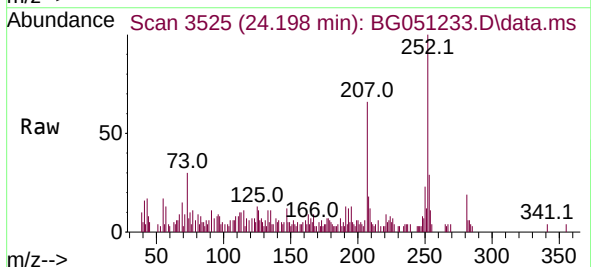
Tgt Ion:228 Resp: 25402
Ion Ratio Lower Upper
228 100
226 32.4 24.8 37.2
229 24.6 15.8 23.6

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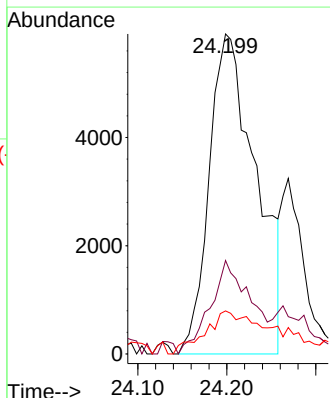
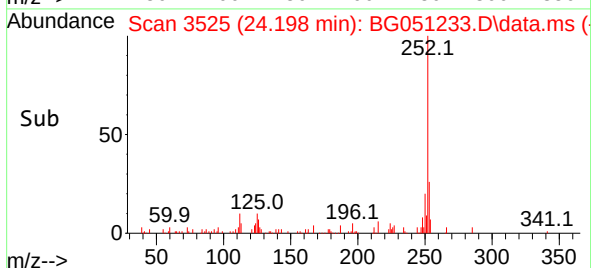
Reviewed By :Jagrut Upadhyay 11/30/2021
Supervised By :Sohil Jodhani 11/30/2021

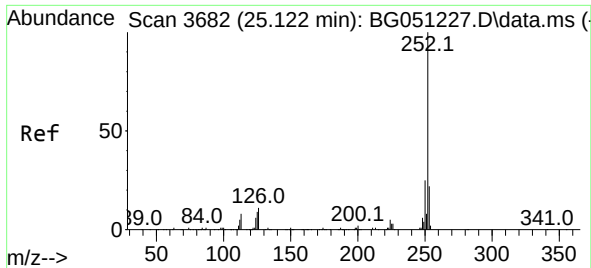


#90
Benzo(b)fluoranthene
Concen: 1.885 ng/ul m
RT: 24.198 min Scan# 3525
Delta R.T. 0.008 min
Lab File: BG051233.D
Acq: 25 Nov 2021 6:25



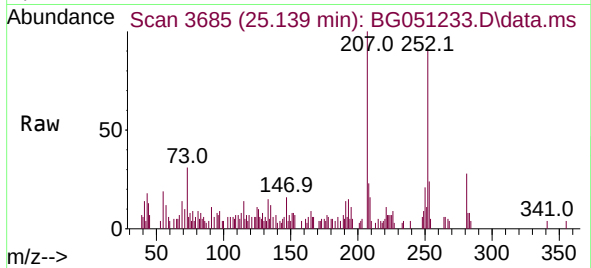
Tgt Ion:252 Resp: 21540
Ion Ratio Lower Upper
252 100
253 29.2 17.8 26.6#
125 13.4 8.5 12.7#





#93
Benzo(a)pyrene
Concen: 1.113 ng/ul m
RT: 25.139 min Scan# 30
Delta R.T. 0.014 min
Lab File: BG051233.D
Acq: 25 Nov 2021 6:25

Instrument :
BNA_G
ClientSampleId :
F4L19



Tgt Ion:252 Resp: 12138
Ion Ratio Lower Upper
252 100
253 26.3 17.4 26.2
125 12.5 9.1 13.7

Manual Integrations
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Reviewed By :Jagrut Upadhyay 11/30/2021
Supervised By :Sohil Jodhani 11/30/2021

