

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120621\
 Data File : BG051404.D
 Acq On : 8 Dec 2021 11:52
 Operator : CG/JU
 Sample : M4960-04
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BGKR9

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/09/2021
 Supervised By :mohammad ahmed 12/15/2021

Quant Time: Dec 09 04:04:24 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112321.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 03 15:23:09 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.190	152	31031	20.000	ng/ul	-0.01
20) Naphthalene-d8	11.022	136	125432	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.830	164	81733	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.579	188	150597	20.000	ng/ul	0.00
79) Chrysene-d12	21.898	240	141706	20.000	ng/ul	0.02
88) Perylene-d12	25.311	264	144605	20.000	ng/ul	0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.531	96	3111	3.484	ng/uL	-0.01
4) Pyridine-d5	3.960	84	40043	15.282	ng/ul	-0.02
7) Phenol-d5	7.356	99	62598	20.411	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.503	67	45985	23.874	ng/ul	-0.01
11) 2-Chlorophenol-d4	7.726	132	46203	20.921	ng/ul	0.00
15) 4-Methylphenol-d8	8.913	113	52396	21.171	ng/ul	0.00
21) Nitrobenzene-d5	9.371	128	25342	23.934	ng/ul	0.00
24) 2-Nitrophenol-d4	10.100	143	28190	23.602	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.658	165	46385	22.889	ng/ul	0.00
31) 4-Chloroaniline-d4	11.116	131	11510	3.882	ng/ul	-0.05
46) Dimethylphthalate-d6	14.219	166	130644	20.774	ng/ul	0.00
49) Acenaphthylene-d8	14.524	160	175332	22.109	ng/ul	0.00
54) 4-Nitrophenol-d4	15.065	143	18663m	18.334	ng/ul	0.02
60) Fluorene-d10	15.817	176	114784	20.269	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.964	200	5812	6.254	ng/ul	0.01
73) Anthracene-d10	17.679	188	172442	23.942	ng/ul	0.00
81) Pyrene-d10	19.959	212	188348	21.967	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.076	264	177896	23.035	ng/ul	0.03
Target Compounds						
					Qvalue	
8) Phenol	7.385	94	250154	78.736	ng/ul	97
13) 2-Methylphenol	8.643	108	25323	10.700	ng/ul	98
18) 4-Methylphenol	8.984	108	36876	14.572	ng/ul	91
26) 2,4-Dimethylphenol	10.206	107	26358	10.421	ng/ul	91
30) Naphthalene	11.075	128	1330081	194.883	ng/ul	97
32) 4-Chloroaniline	11.363	127	15696413m	5272.855	ng/ul	
36) 2-Methylnaphthalene	12.673	142	520012	112.016	ng/ul	100
37) 1-Methylnaphthalene	12.891	142	257120	53.835	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	13.032	216	10914	4.253	ng/ul#	94
43) 1,1'-Biphenyl	13.660	154	88856	14.555	ng/ul	98
52) Acenaphthene	14.894	153	49001	9.483	ng/ul	95
56) Dibenzofuran	15.223	168	72340	9.706	ng/ul	88
59) Diethylphthalate	15.629	149	51541	7.714	ng/ul#	73
61) Fluorene	15.876	166	54106	9.063	ng/ul#	86
67) N-Nitrosodiphenylamine	16.075	169	253533	58.806	ng/ul	95
69) Hexachlorobenzene	16.886	284	5024	3.053	ng/ul#	59
72) Phenanthrene	17.626	178	172552	20.752	ng/ul	98
74) Anthracene	17.715	178	11987m	1.452	ng/ul	
77) Carbazole	17.991	167	196972	27.173	ng/ul	95
78) Di-n-butylphthalate	18.514	149	844994	90.408	ng/ul	97
80) Fluoranthene	19.630	202	31388	2.980	ng/ul#	95
82) Pyrene	19.988	202	34629	3.362	ng/ul	97
83) Butylbenzylphthalate	20.917	149	9266401m	2163.674	ng/ul	
86) Bis(2-ethylhexyl)phtha...	21.769	149	7840235	1272.192	ng/ul#	59

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Chrysene	21.945	228	14477m	1.568	ng/ul	
89) Di-n-octyl phthalate	23.008	149	3738466	356.855	ng/ul	100

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

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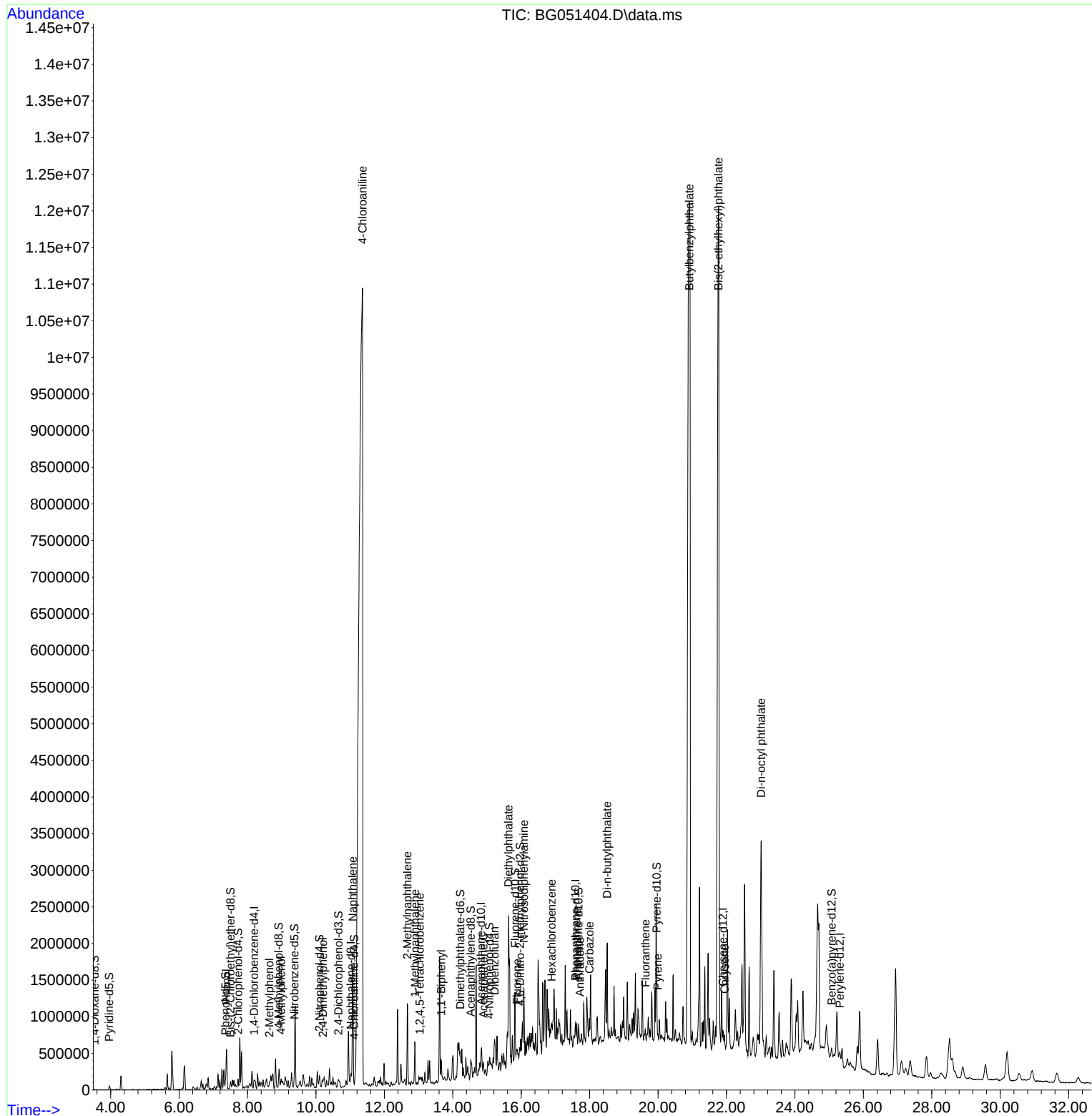
Quant Time: Dec 09 04:04:24 2021

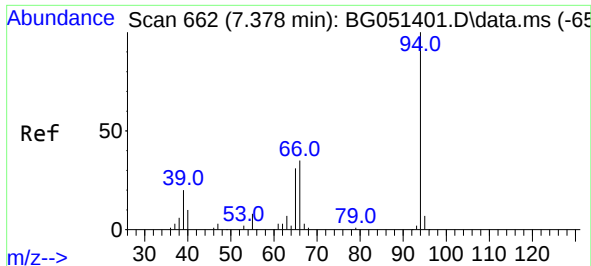
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112321.M

Quant Title : SVOA CALIBRATION

QLast Update : Fri Dec 03 15:23:09 2021

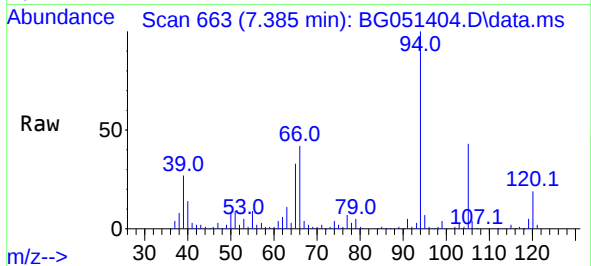
Response via : Initial Calibration





#8
Phenol
Concen: 78.736 ng/ul
RT: 7.385 min Scan# 662
Delta R.T. -0.001 min
Lab File: BG051404.D
Acq: 8 Dec 2021 11:52

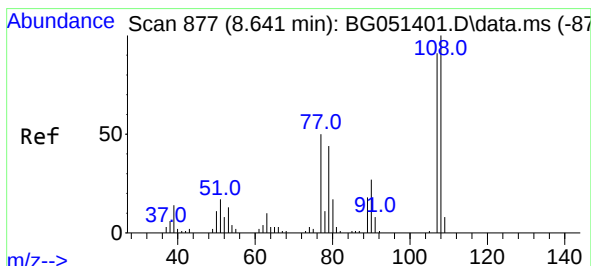
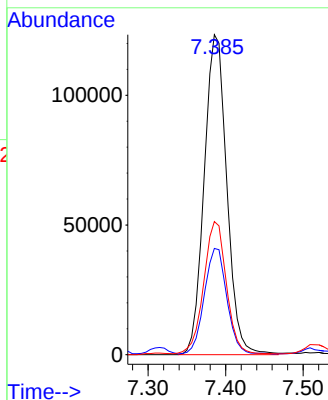
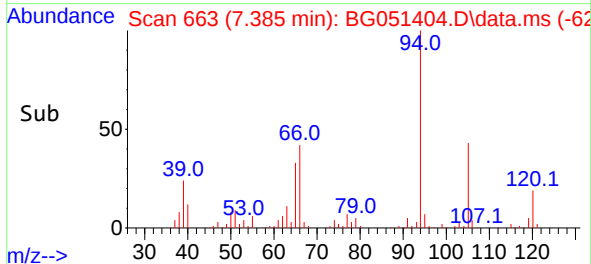
Instrument :
BNA_G
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Tgt Ion: 94 Resp: 250154
Ion Ratio Lower Upper
94 100
65 33.2 25.1 37.7
66 41.6 31.6 47.4

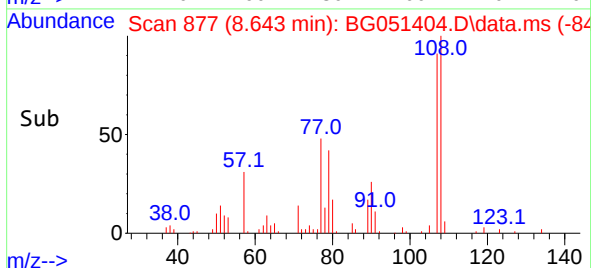
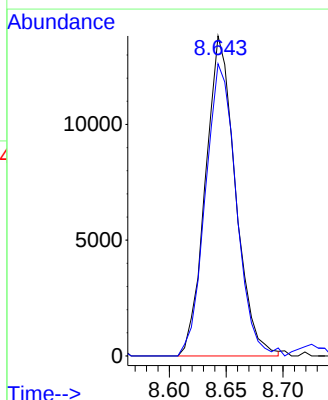
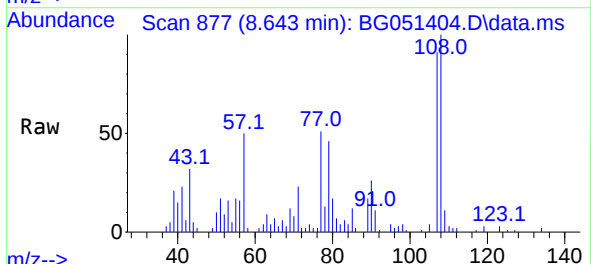
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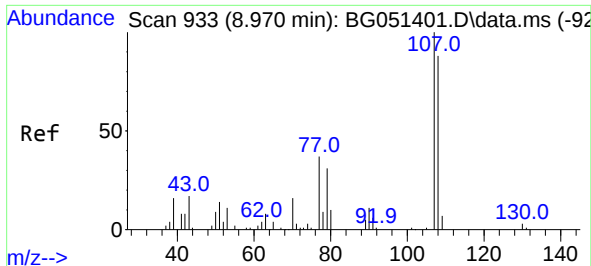
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021



#13
2-Methylphenol
Concen: 10.700 ng/ul
RT: 8.643 min Scan# 877
Delta R.T. -0.001 min
Lab File: BG051404.D
Acq: 8 Dec 2021 11:52

Tgt Ion:108 Resp: 25323
Ion Ratio Lower Upper
108 100
107 91.3 71.8 107.6





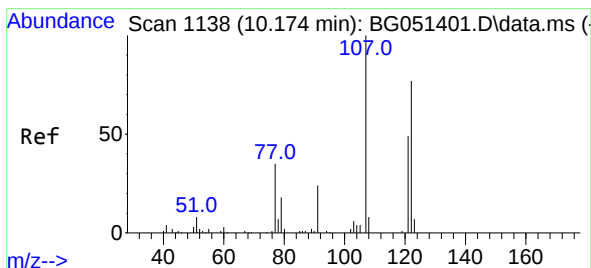
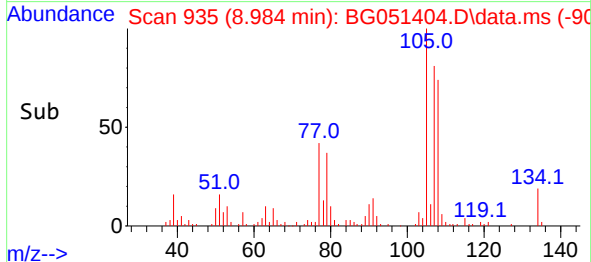
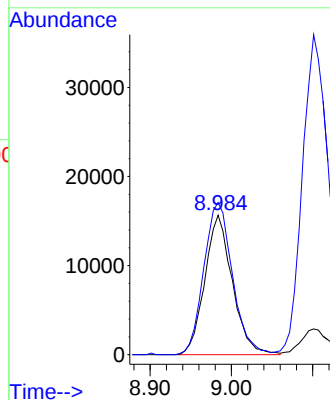
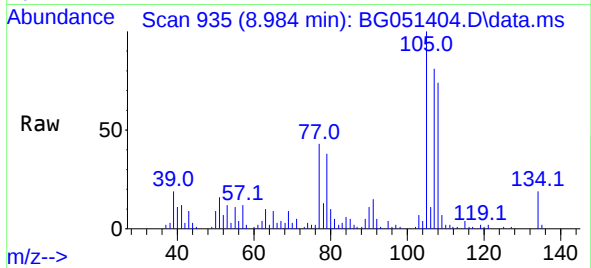
#18
4-Methylphenol
Concen: 14.572 ng/ul
RT: 8.984 min Scan# 91
Delta R.T. 0.005 min
Lab File: BG051404.D
Acq: 8 Dec 2021 11:52

Instrument :
BNA_G
ClientSampleId :
BGKR9

Tgt Ion:108 Resp: 36870
Ion Ratio Lower Upper
108 100
107 109.1 95.0 142.4

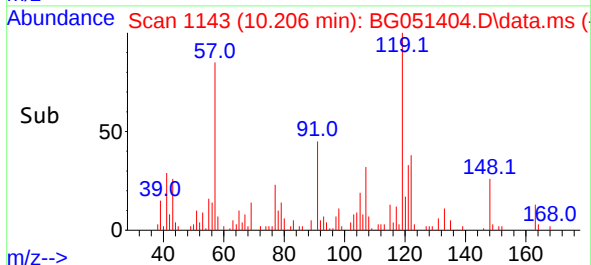
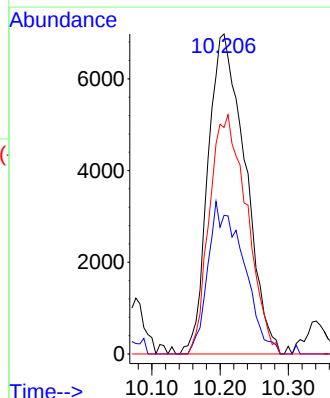
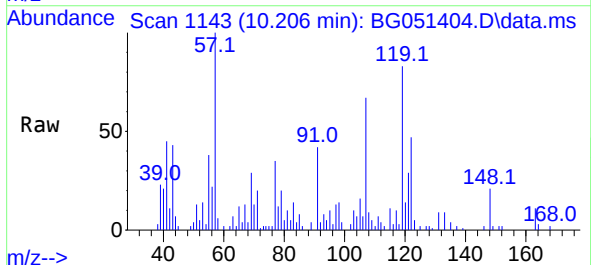
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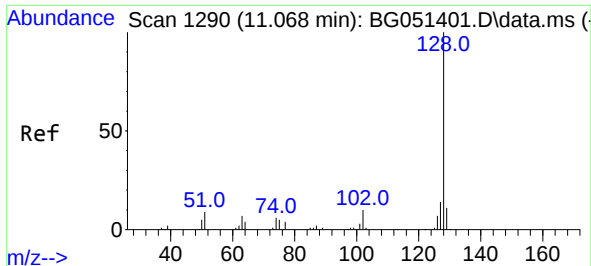
Reviewed By :Jagrut Upadhyay 12/09/2021
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#26
2,4-Dimethylphenol
Concen: 10.421 ng/ul
RT: 10.206 min Scan# 1143
Delta R.T. 0.023 min
Lab File: BG051404.D
Acq: 8 Dec 2021 11:52

Tgt Ion:107 Resp: 26358
Ion Ratio Lower Upper
107 100
121 43.3 39.3 58.9
122 70.8 63.7 95.5





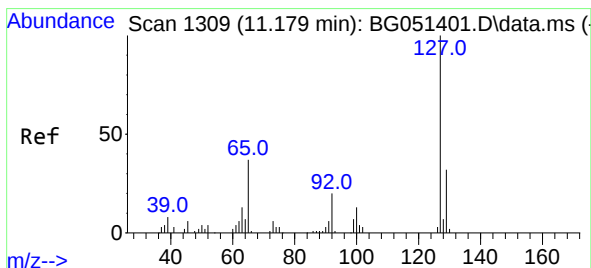
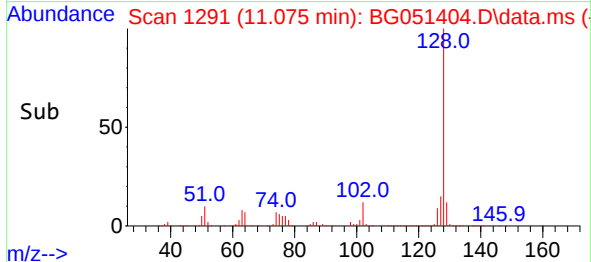
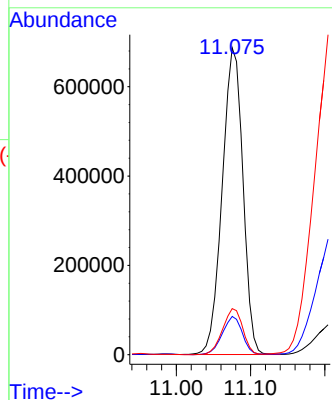
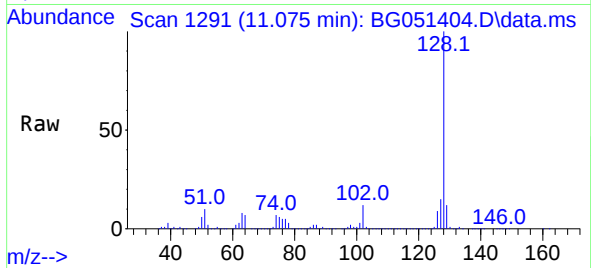
#30
Naphthalene
Concen: 194.883 ng/ul
RT: 11.075 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG051404.D
Acq: 8 Dec 2021 11:52

Instrument :
BNA_G
ClientSampleId :
BGKR9

Tgt Ion:128 Resp: 133008
Ion Ratio Lower Upper
128 100
129 12.5 8.5 12.7
127 15.0 11.8 17.6

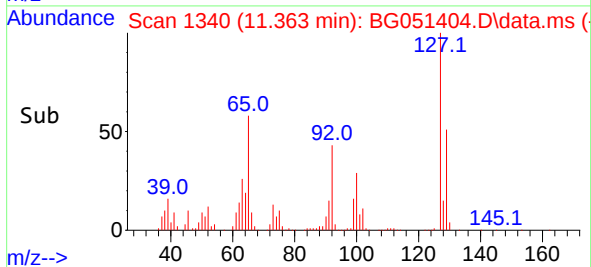
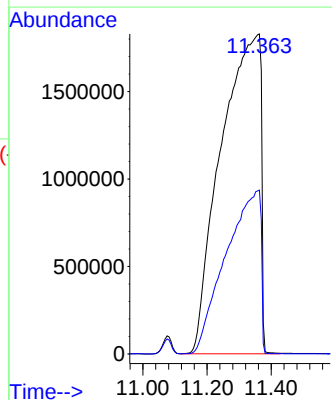
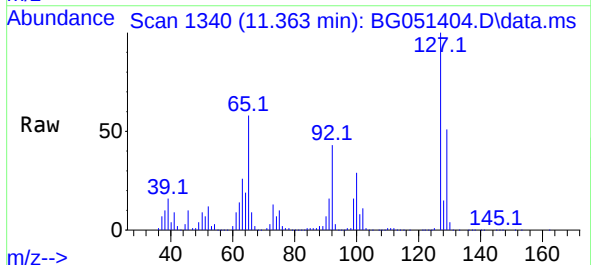
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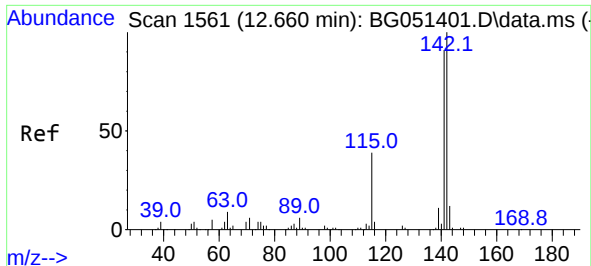
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021



#32
4-Chloroaniline
Concen: 5272.855 ng/ul m
RT: 11.363 min Scan# 1340
Delta R.T. 0.175 min
Lab File: BG051404.D
Acq: 8 Dec 2021 11:52

Tgt Ion:127 Resp:15696413
Ion Ratio Lower Upper
127 100
129 51.2 26.2 39.2#





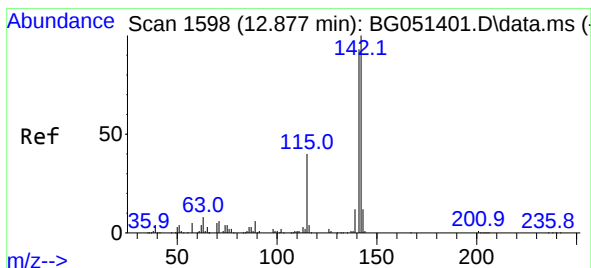
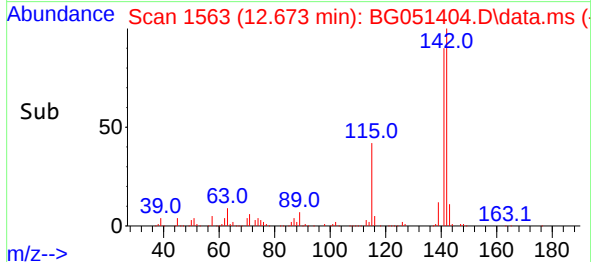
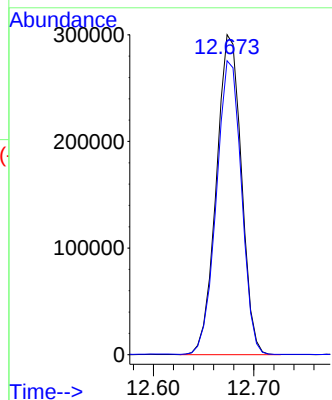
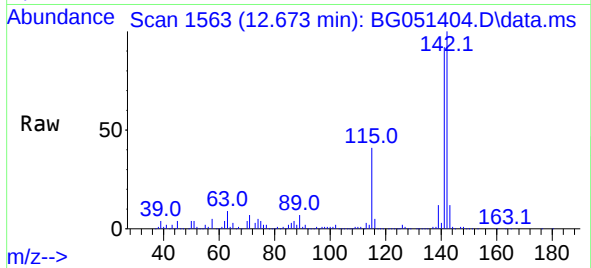
#36
2-Methylnaphthalene
Concen: 112.016 ng/ul
RT: 12.673 min Scan# 11
Delta R.T. 0.005 min
Lab File: BG051404.D
Acq: 8 Dec 2021 11:52

Instrument :
BNA_G
ClientSampleId :
BGKR9

Tgt Ion:142 Resp: 52001
Ion Ratio Lower Upper
142 100
141 91.9 73.3 109.9

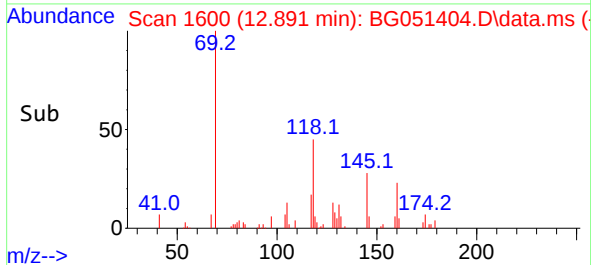
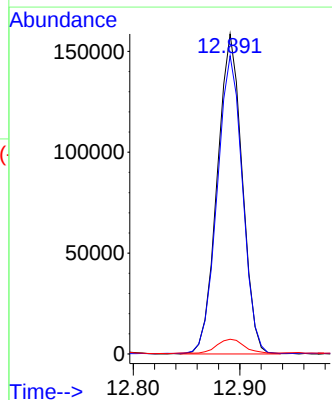
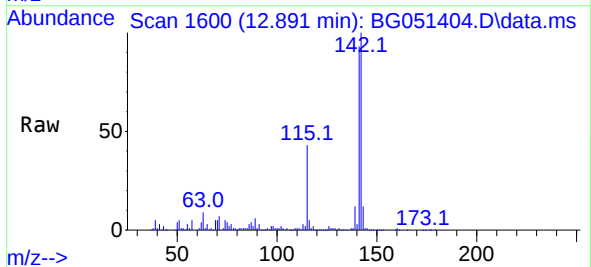
Manual Integrations
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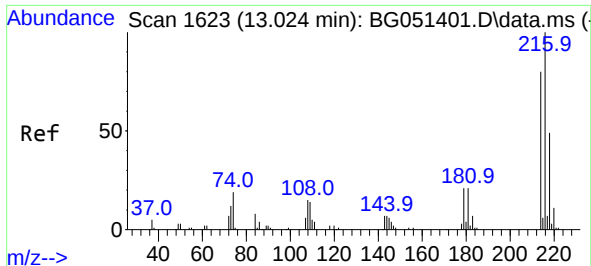
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021



#37
1-Methylnaphthalene
Concen: 53.835 ng/ul
RT: 12.891 min Scan# 1600
Delta R.T. 0.005 min
Lab File: BG051404.D
Acq: 8 Dec 2021 11:52

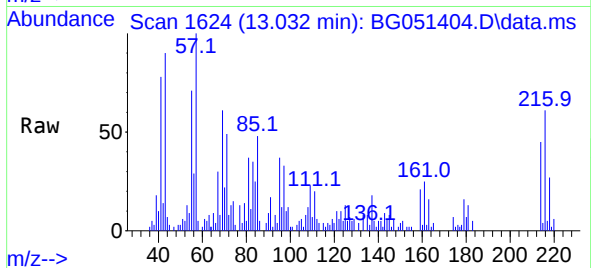
Tgt Ion:142 Resp: 257120
Ion Ratio Lower Upper
142 100
141 93.2 77.8 116.8
116 4.6 3.3 4.9





#39
1,2,4,5-Tetrachlorobenzene
Concen: 4.253 ng/ul
RT: 13.032 min Scan# 10914
Delta R.T. -0.001 min
Lab File: BG051404.D
Acq: 8 Dec 2021 11:52

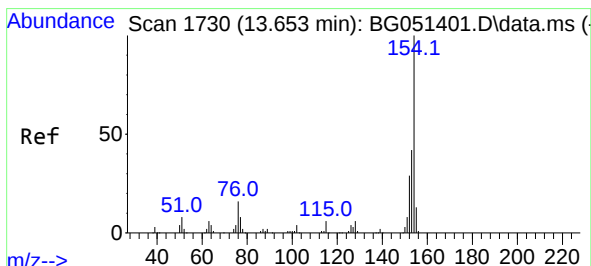
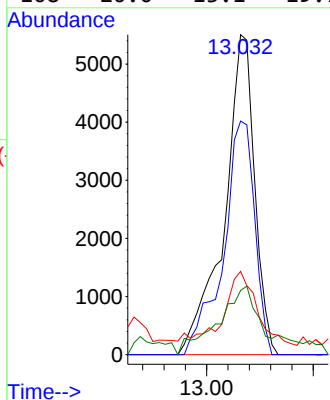
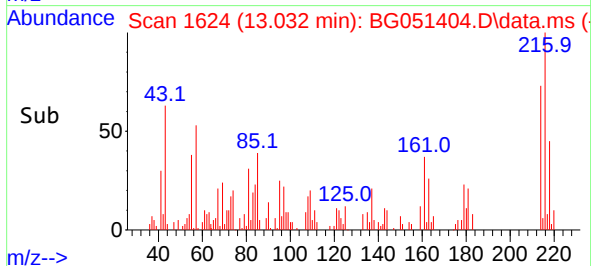
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Tgt Ion:216 Resp: 10914
Ion Ratio Lower Upper
216 100
214 73.0 61.0 91.4
179 26.0 16.2 24.2
108 20.0 13.1 19.7#

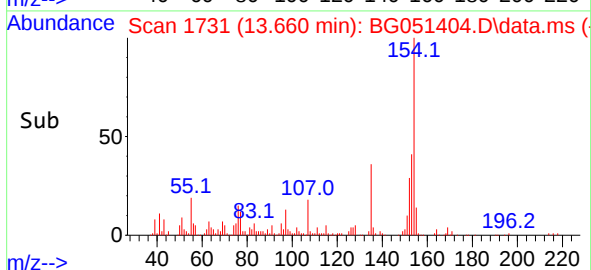
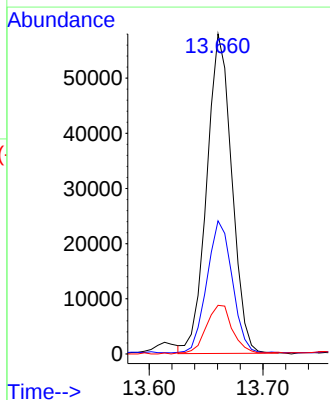
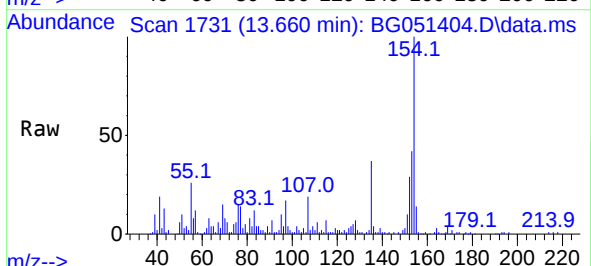
Manual Integrations
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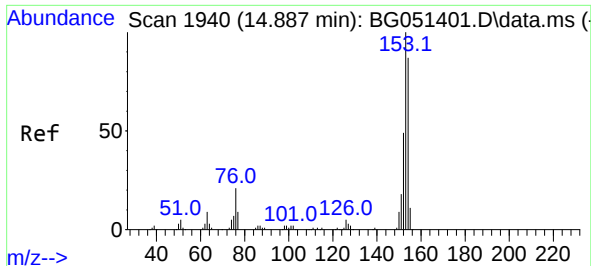
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021



#43
1,1'-Biphenyl
Concen: 14.555 ng/ul
RT: 13.660 min Scan# 1731
Delta R.T. -0.007 min
Lab File: BG051404.D
Acq: 8 Dec 2021 11:52

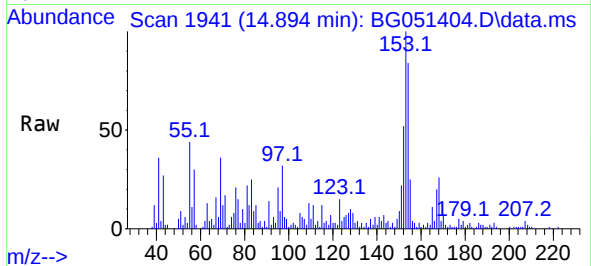
Tgt Ion:154 Resp: 88856
Ion Ratio Lower Upper
154 100
153 41.6 34.5 51.7
76 15.2 13.1 19.7





#52
Acenaphthene
Concen: 9.483 ng/u1
RT: 14.894 min Scan# 1941
Delta R.T. -0.001 min
Lab File: BG051404.D
Acq: 8 Dec 2021 11:52

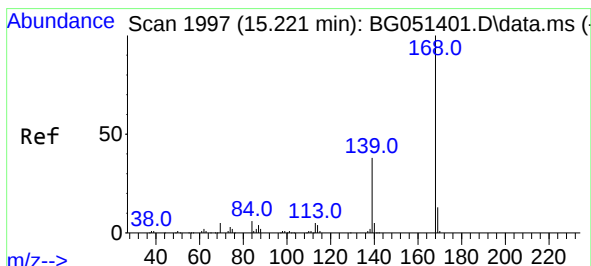
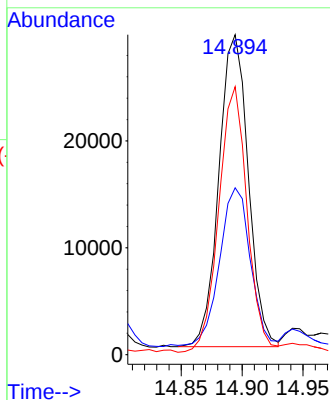
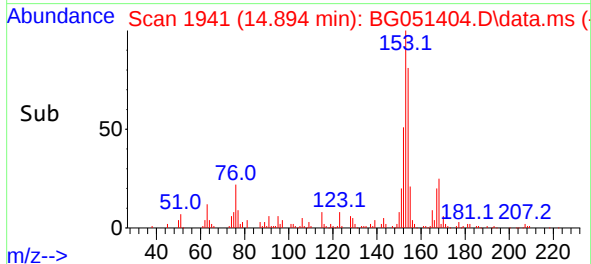
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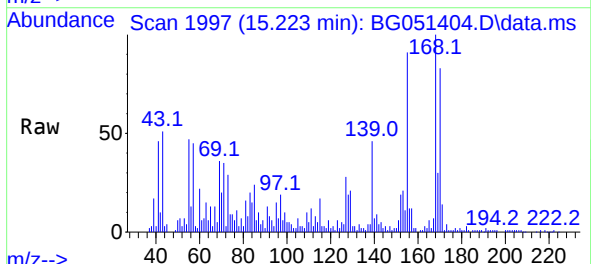
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Ion Ratio Lower Upper
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152 52.1 36.5 54.7
154 83.7 65.8 98.6

Manual Integrations
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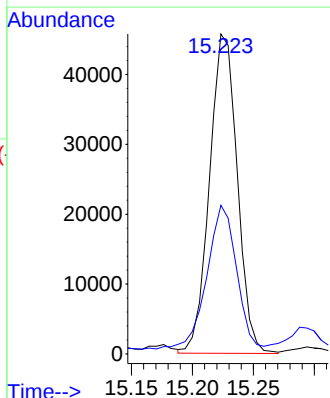
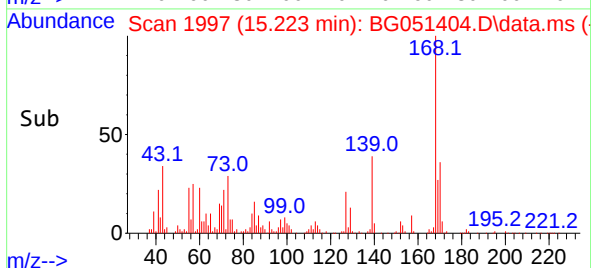
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021

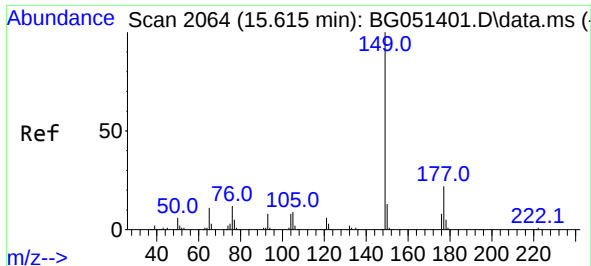


#56
Dibenzofuran
Concen: 9.706 ng/u1
RT: 15.223 min Scan# 1997
Delta R.T. -0.007 min
Lab File: BG051404.D
Acq: 8 Dec 2021 11:52



Tgt Ion:168 Resp: 72340
Ion Ratio Lower Upper
168 100
139 46.5 31.2 46.8





#59
Diethylphthalate
Concen: 7.714 ng/ul
RT: 15.629 min Scan# 2066
Delta R.T. 0.005 min
Lab File: BG051404.D
Acq: 8 Dec 2021 11:52

Instrument :

BNA_G

ClientSampleId :

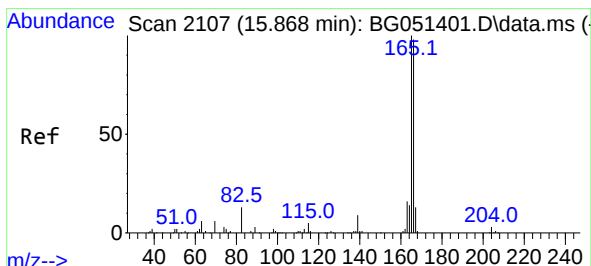
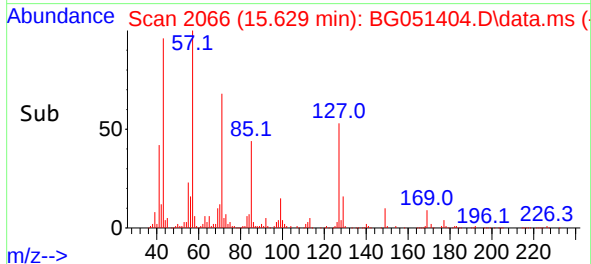
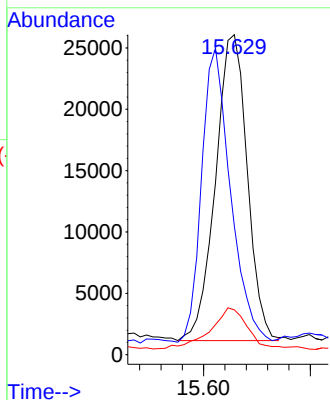
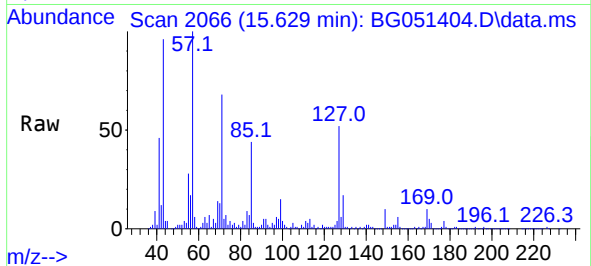
BGKR9

Tgt Ion:149 Resp: 5154
Ion Ratio Lower Upper
149 100
177 40.1 16.8 25.2
150 14.0 10.1 15.1

Manual Integrations

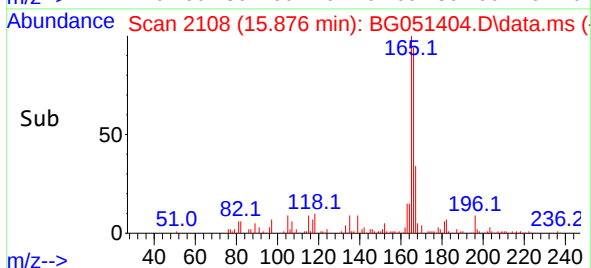
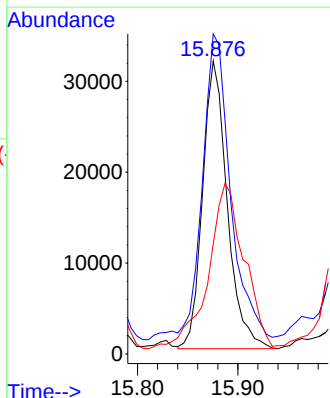
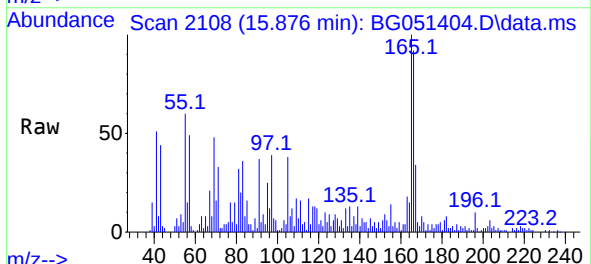
APPROVED

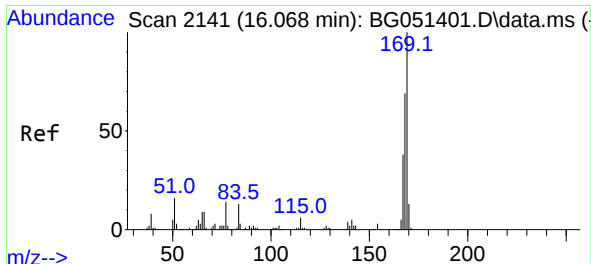
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021



#61
Fluorene
Concen: 9.063 ng/ul
RT: 15.876 min Scan# 2108
Delta R.T. -0.001 min
Lab File: BG051404.D
Acq: 8 Dec 2021 11:52

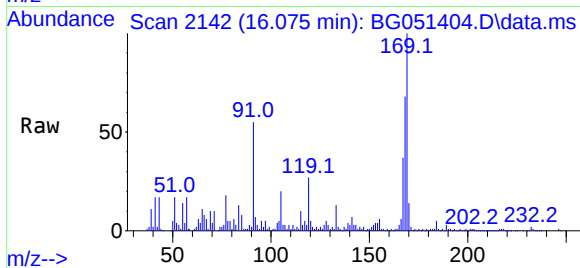
Tgt Ion:166 Resp: 54106
Ion Ratio Lower Upper
166 100
165 109.2 81.0 121.6
167 37.6 11.0 16.4





#67
N-Nitrosodiphenylamine
Concen: 58.806 ng/ul
RT: 16.075 min Scan# 2141
Delta R.T. -0.001 min
Lab File: BG051404.D
Acq: 8 Dec 2021 11:52

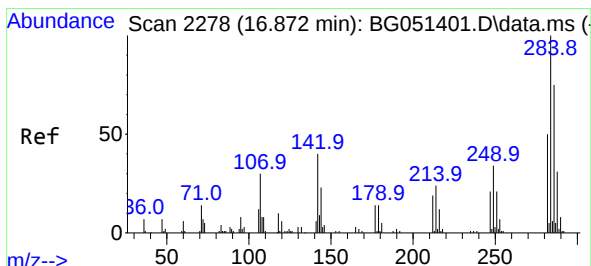
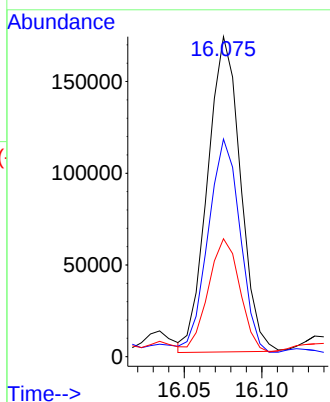
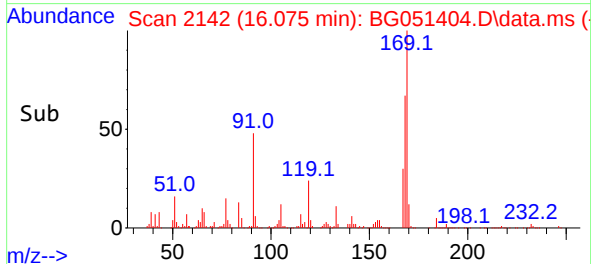
Instrument :
BNA_G
ClientSampleId :
BGKR9



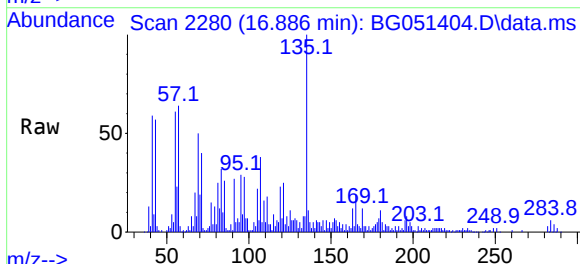
Tgt Ion:169 Resp: 25353
Ion Ratio Lower Upper
169 100
168 68.0 58.5 87.7
167 36.9 31.3 46.9

Manual Integrations
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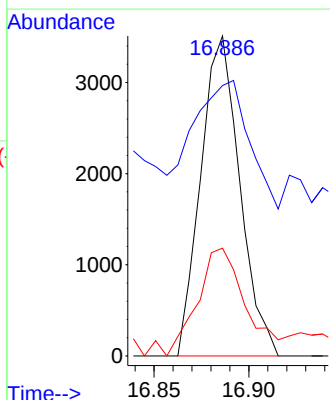
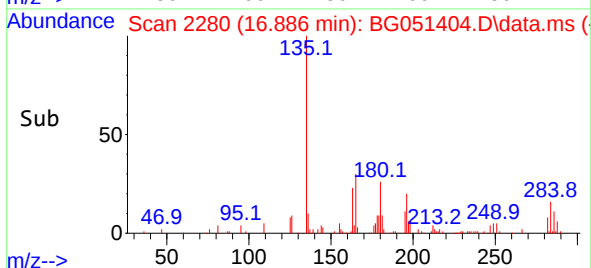
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021

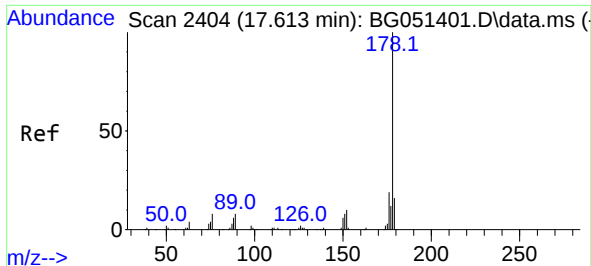


#69
Hexachlorobenzene
Concen: 3.053 ng/ul
RT: 16.886 min Scan# 2280
Delta R.T. 0.005 min
Lab File: BG051404.D
Acq: 8 Dec 2021 11:52



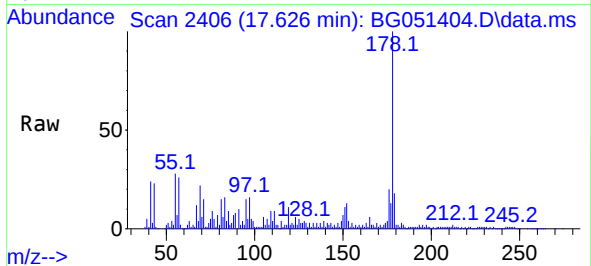
Tgt Ion:284 Resp: 5024
Ion Ratio Lower Upper
284 100
142 84.5 31.9 47.9#
249 33.7 25.8 38.6





#72
Phenanthrene
Concen: 20.752 ng/ul
RT: 17.626 min Scan# 2406
Delta R.T. 0.005 min
Lab File: BG051404.D
Acq: 8 Dec 2021 11:52

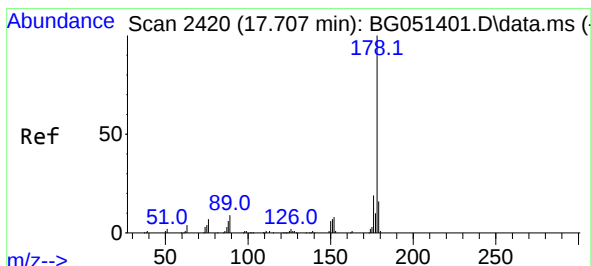
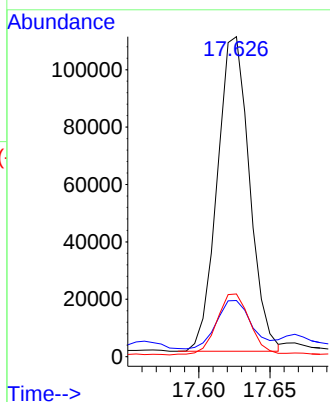
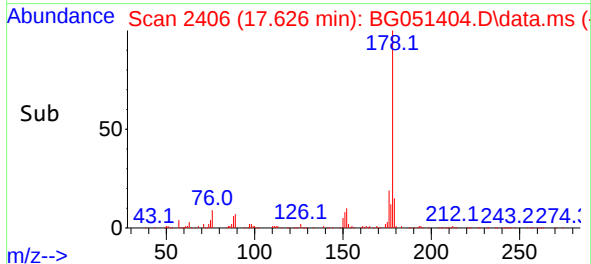
Instrument :
BNA_G
ClientSampleId :
BGKR9



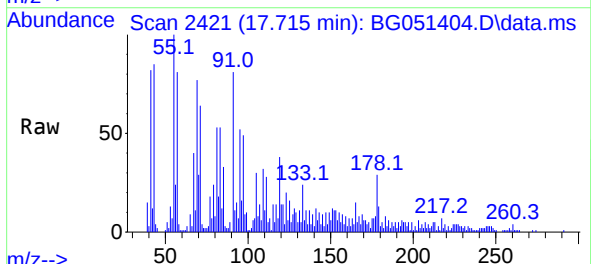
Tgt Ion:178 Resp: 17255
Ion Ratio Lower Upper
178 100
179 17.5 12.3 18.5
176 19.6 15.5 23.3

Manual Integrations
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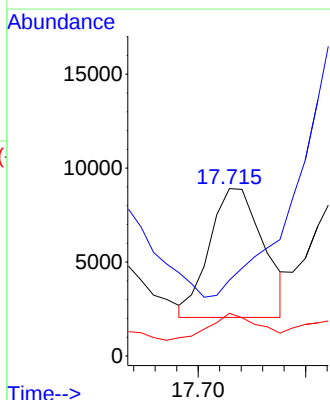
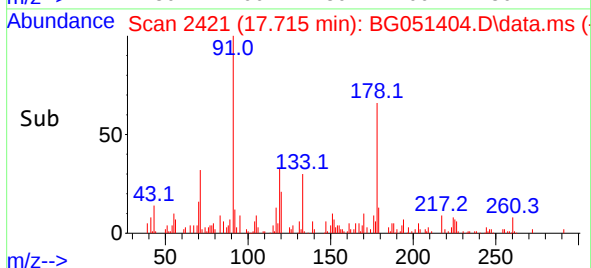
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021

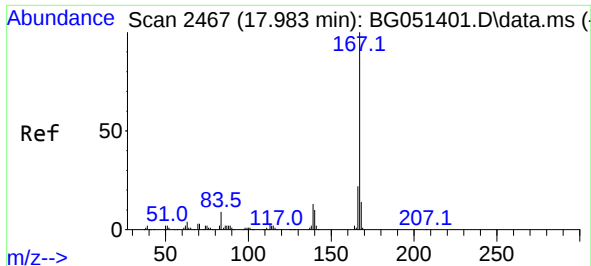


#74
Anthracene
Concen: 1.452 ng/ul m
RT: 17.715 min Scan# 2421
Delta R.T. -0.001 min
Lab File: BG051404.D
Acq: 8 Dec 2021 11:52



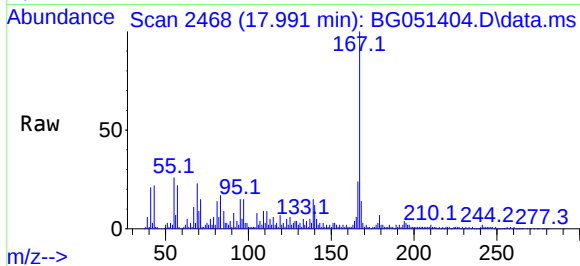
Tgt Ion:178 Resp: 11987
Ion Ratio Lower Upper
178 100
179 45.3 13.0 19.6#
176 25.5 15.6 23.4#





#77
Carbazole
Concen: 27.173 ng/ul
RT: 17.991 min Scan# 2468
Delta R.T. 0.005 min
Lab File: BG051404.D
Acq: 8 Dec 2021 11:52

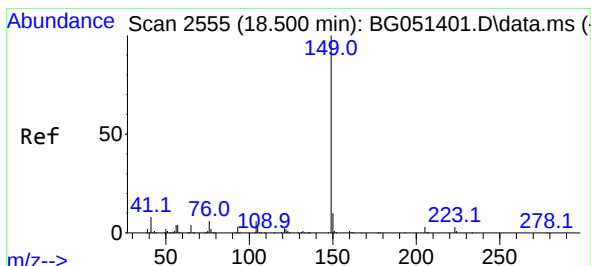
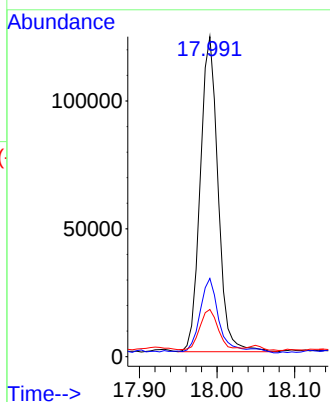
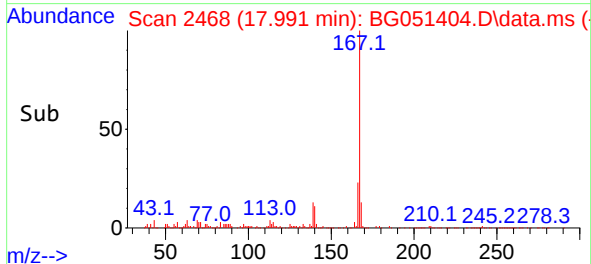
Instrument :
BNA_G
ClientSampleId :
BGKR9



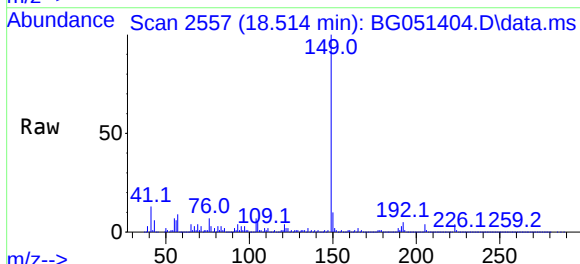
Tgt Ion:167 Resp: 196972
Ion Ratio Lower Upper
167 100
166 24.5 17.3 25.9
139 14.8 10.6 16.0

Manual Integrations
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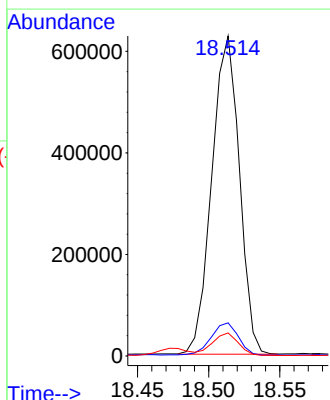
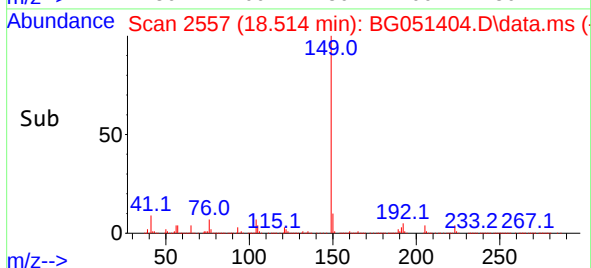
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021

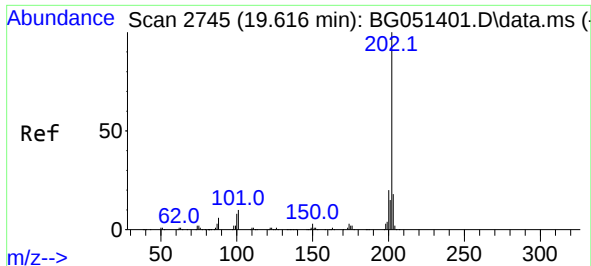


#78
Di-n-butylphthalate
Concen: 90.408 ng/ul
RT: 18.514 min Scan# 2557
Delta R.T. -0.001 min
Lab File: BG051404.D
Acq: 8 Dec 2021 11:52



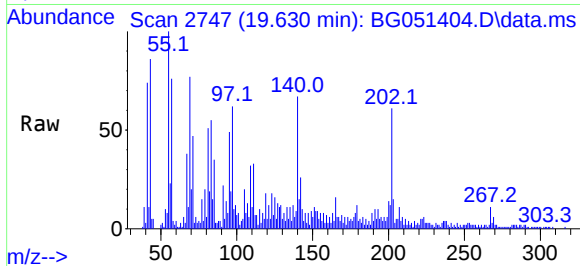
Tgt Ion:149 Resp: 844994
Ion Ratio Lower Upper
149 100
150 10.4 7.5 11.3
104 7.2 5.0 7.6





#80
Fluoranthene
Concen: 2.980 ng/u1
RT: 19.630 min Scan# 21
Delta R.T. 0.005 min
Lab File: BG051404.D
Acq: 8 Dec 2021 11:52

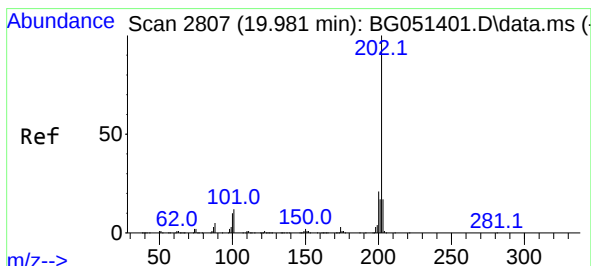
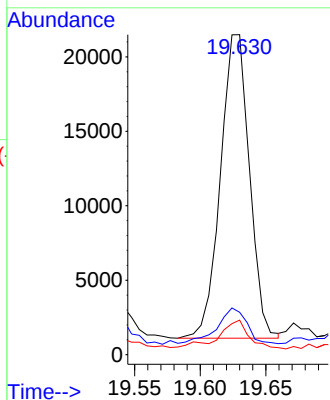
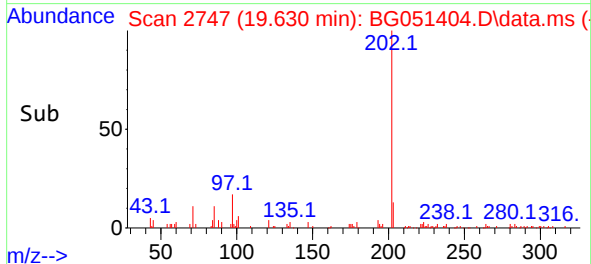
Instrument :
BNA_G
ClientSampleId :
BGKR9



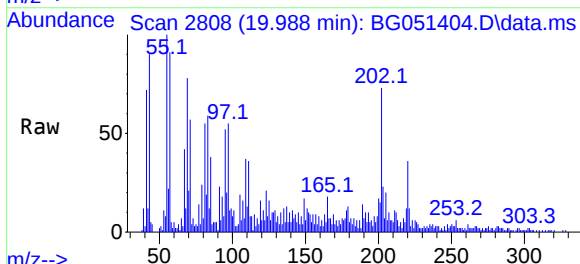
Tgt Ion:202 Resp: 3138
Ion Ratio Lower Upper
202 100
101 13.2 9.3 13.9
100 10.8 7.0 10.6

Manual Integrations
APPROVED

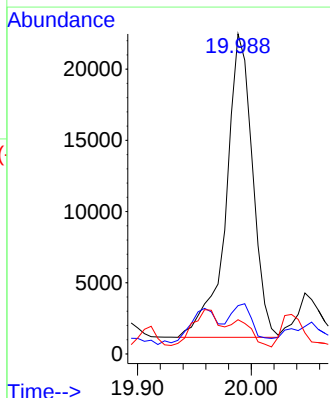
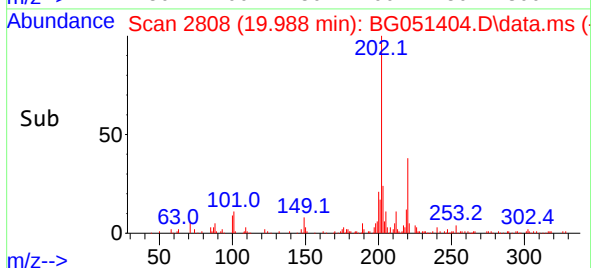
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021

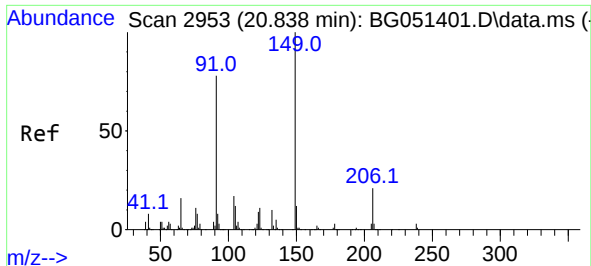


#82
Pyrene
Concen: 3.362 ng/u1
RT: 19.988 min Scan# 2808
Delta R.T. -0.001 min
Lab File: BG051404.D
Acq: 8 Dec 2021 11:52



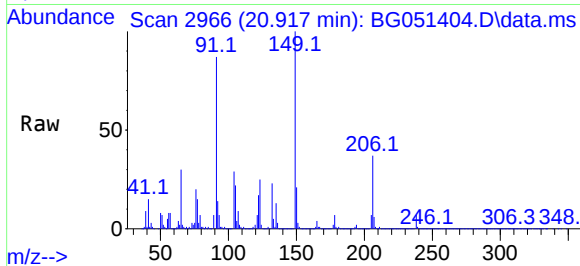
Tgt Ion:202 Resp: 34629
Ion Ratio Lower Upper
202 100
101 15.1 10.7 16.1
100 10.7 9.0 13.6





#83
Butylbenzylphthalate
Concen: 2163.674 ng/ul m
RT: 20.917 min Scan# 2953
Delta R.T. 0.070 min
Lab File: BG051404.D
Acq: 8 Dec 2021 11:52

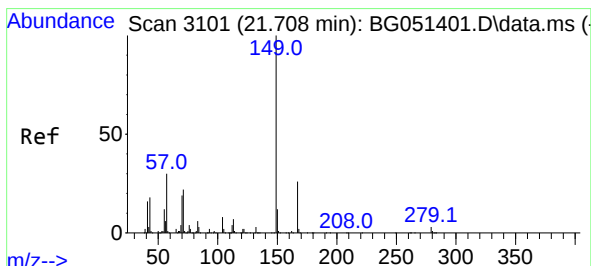
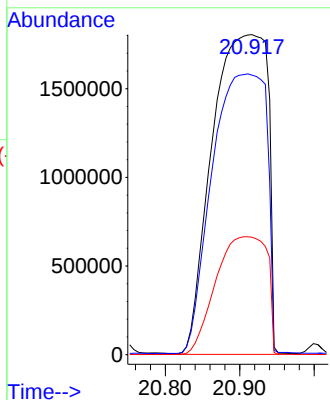
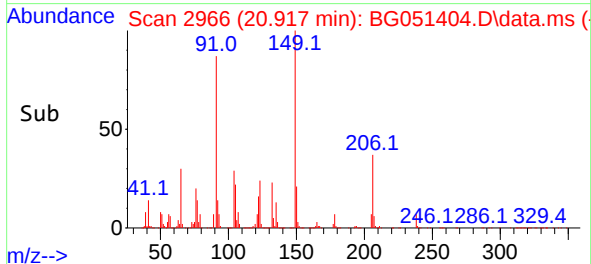
Instrument :
BNA_G
ClientSampleId :
BGKR9



Tgt Ion:149 Resp: 926640
Ion Ratio Lower Upper
149 100
91 87.3 65.2 97.8
206 36.7 16.2 24.2

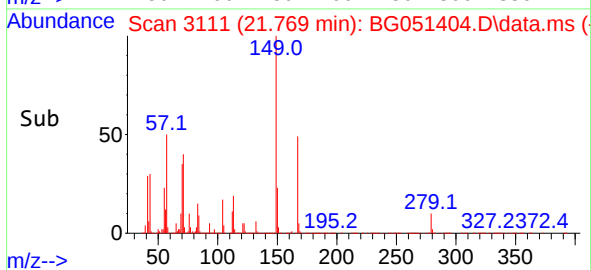
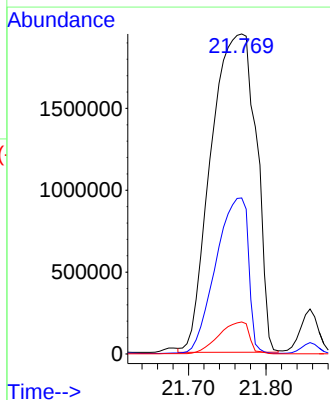
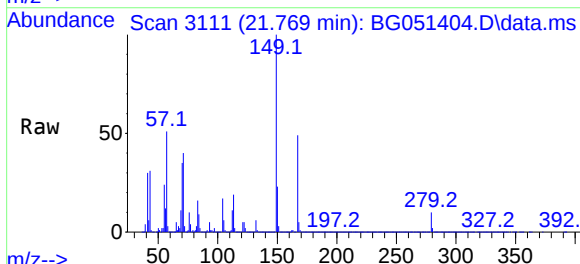
Manual Integrations
APPROVED

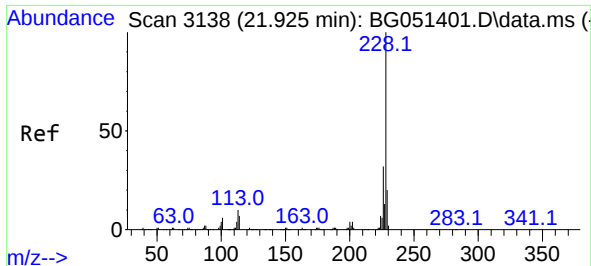
Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021



#86
Bis(2-ethylhexyl)phthalate
Concen: 1272.192 ng/ul
RT: 21.769 min Scan# 3111
Delta R.T. 0.046 min
Lab File: BG051404.D
Acq: 8 Dec 2021 11:52

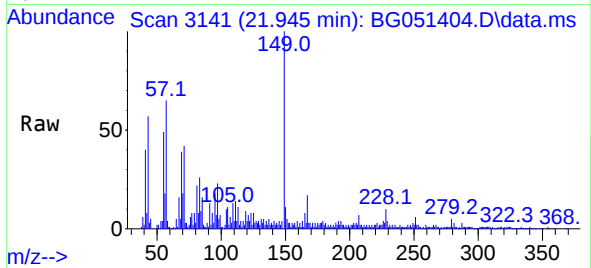
Tgt Ion:149 Resp: 7840235
Ion Ratio Lower Upper
149 100
167 48.8 21.1 31.7#
279 10.0 2.7 4.1#





#87
Chrysene
Concen: 1.568 ng/ul m
RT: 21.945 min Scan# 3138
Delta R.T. 0.011 min
Lab File: BG051404.D
Acq: 8 Dec 2021 11:52

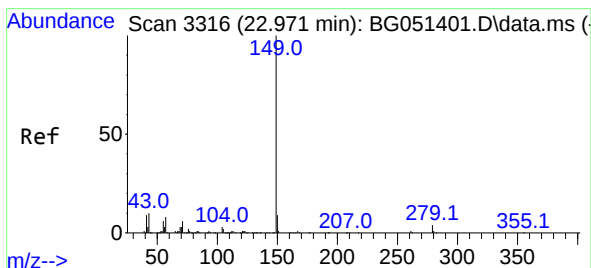
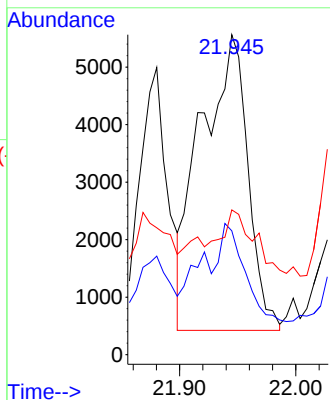
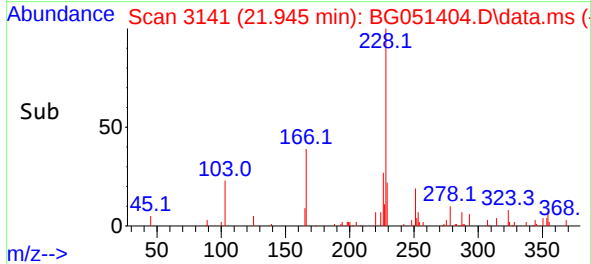
Instrument :
BNA_G
ClientSampleId :
BGKR9



Tgt Ion:228 Resp: 1447
Ion Ratio Lower Upper
228 100
226 38.7 24.8 37.2
229 45.3 15.8 23.6

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/09/2021
Supervised By :mohammad ahmed 12/15/2021



#89
Di-n-octyl phthalate
Concen: 356.855 ng/ul
RT: 23.008 min Scan# 3322
Delta R.T. 0.023 min
Lab File: BG051404.D
Acq: 8 Dec 2021 11:52

Tgt Ion:149 Resp: 3738466

