

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111721\
 Data File : BG051097.D
 Acq On : 17 Nov 2021 18:21
 Operator : CG/JU
 Sample : M4680-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-1

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/18/2021
 Supervised By :mohammad ahmed 11/24/2021

Quant Time: Nov 18 00:03:55 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 15 03:55:35 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.224	152	32554	20.000	ng	0.00
21) Naphthalene-d8	11.050	136	145013	20.000	ng	# 0.00
39) Acenaphthene-d10	14.851	164	92051	20.000	ng	0.00
64) Phenanthrene-d10	17.601	188	181576	20.000	ng	# 0.00
76) Chrysene-d12	21.902	240	149911	20.000	ng	# 0.00
86) Perylene-d12	25.321	264	157425	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.768	112	292273	134.304	ng	0.00
7) Phenol-d6	7.378	99	395904	128.891	ng	0.00
23) Nitrobenzene-d5	9.405	82	274204	83.703	ng	0.00
42) 2,4,6-Tribromophenol	16.344	330	127578	138.494	ng	0.00
45) 2-Fluorobiphenyl	13.471	172	543783	93.339	ng	0.00
79) Terphenyl-d14	20.192	244	663617	81.000	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.103	128	30433	3.908	ng	98
37) 2-Methylnaphthalene	12.695	142	11492	2.172	ng	89
38) 1-Methylnaphthalene	12.912	142	10825	2.094	ng	# 93
52) Acenaphthene	14.916	154	22967	4.624	ng	94
55) Dibenzofuran	15.251	168	31506	3.729	ng	93
58) Fluorene	15.897	166	37836	5.738	ng	97
71) Phenanthrene	17.642	178	576596	59.533	ng	97
72) Anthracene	17.736	178	135002	14.015	ng	99
73) Carbazole	18.006	167	52705	5.525	ng	99
75) Fluoranthene	19.652	202	808842	68.070	ng	97
78) Pyrene	20.010	202	748051	66.515	ng	95
81) Benzo(a)anthracene	21.884	228	395277	38.400	ng	99
83) Chrysene	21.955	228	359154	36.986	ng	95
84) Bis(2-ethylhexyl)phtha...	21.743	149	35910	5.276	ng	96
87) Indeno(1,2,3-cd)pyrene	29.252	276	250887	22.453	ng	# 93
88) Benzo(b)fluoranthene	24.229	252	450996	45.513	ng	# 93
89) Benzo(k)fluoranthene	24.293	252	153160m	15.497	ng	
90) Benzo(a)pyrene	25.163	252	348908	41.243	ng	# 92
91) Dibenzo(a,h)anthracene	29.293	278	59776	6.498	ng	# 78
92) Benzo(g,h,i)perylene	30.498	276	260935	28.821	ng	# 92

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

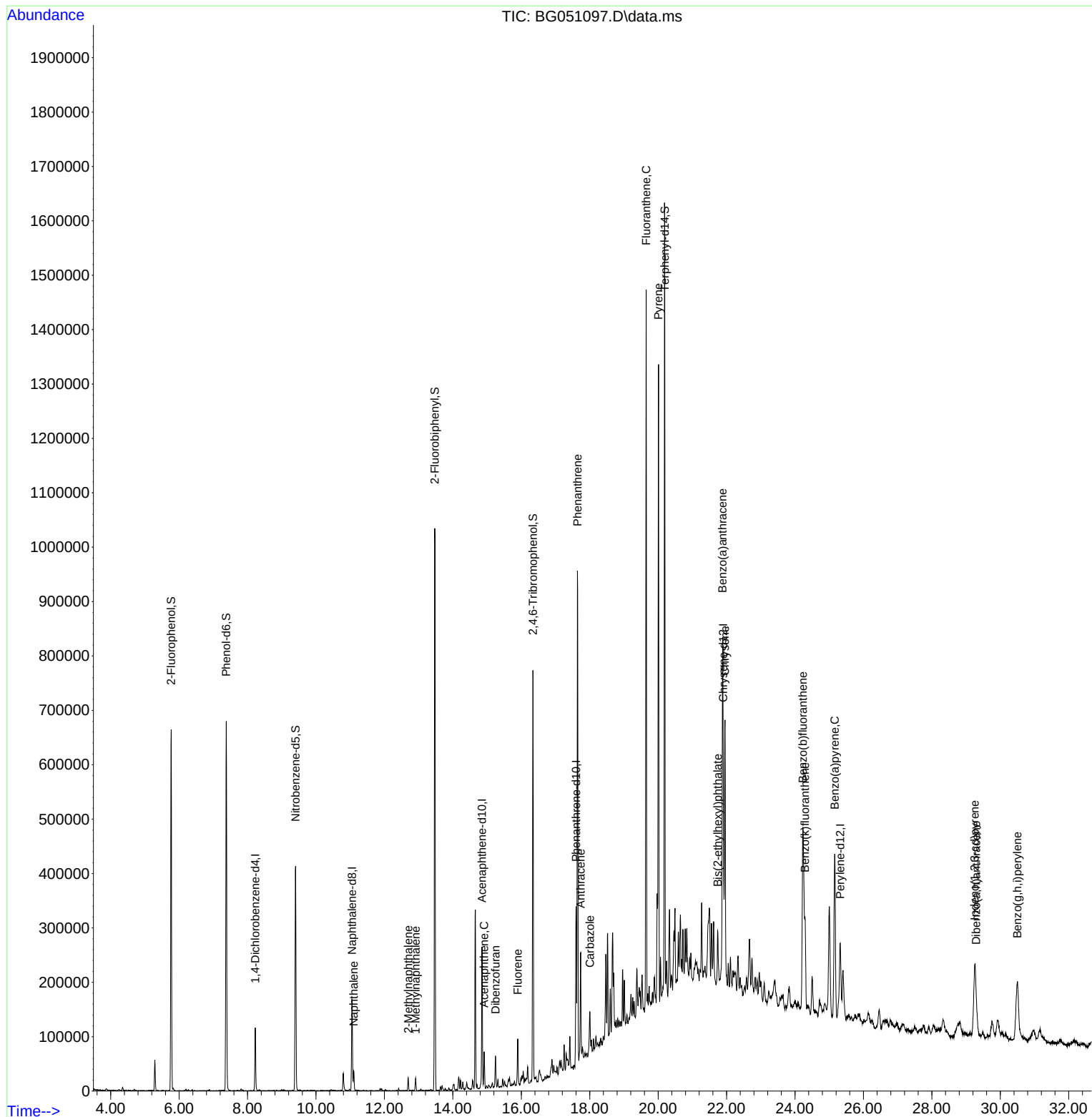
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111721\
Data File : BG051097.D
Acq On : 17 Nov 2021 18:21
Operator : CG/JU
Sample : M4680-01
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ALS Vial : 13 Sample Multiplier: 1

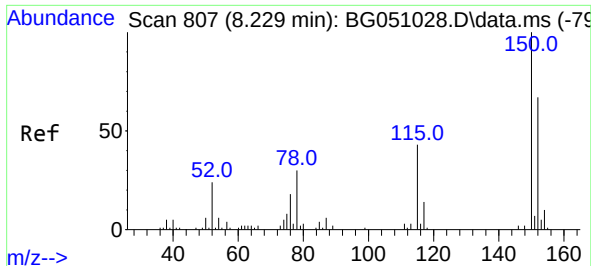
Instrument :
BNA_G
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Quant Time: Nov 18 00:03:55 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 15 03:55:35 2021
Response via : Initial Calibration

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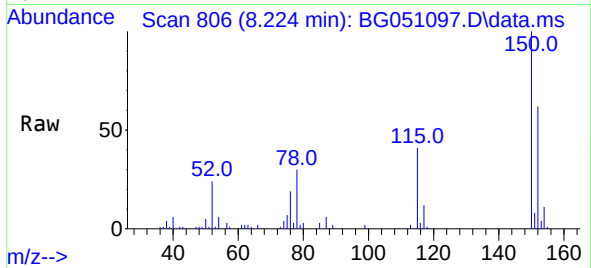
Reviewed By :Jagrut Upadhyay 11/18/2021
Supervised By :mohammad ahmed 11/24/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.224 min Scan# 807
Delta R.T. -0.005 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21

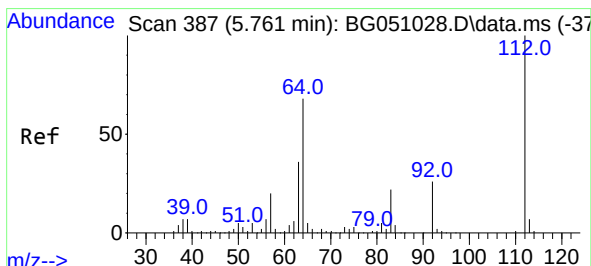
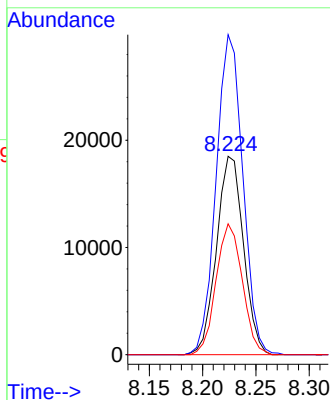
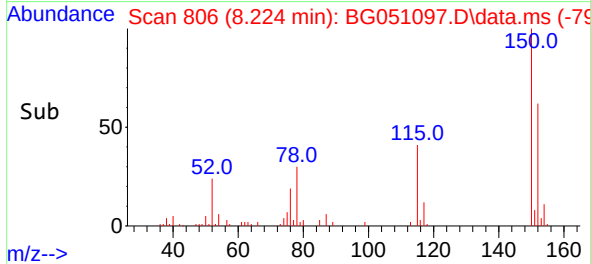
Instrument :
BNA_G
ClientSampleId :
COMP-1



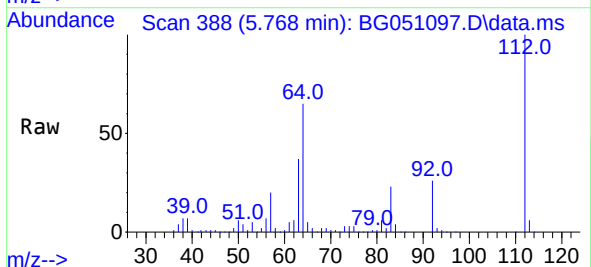
Tgt Ion:152 Resp: 32554
Ion Ratio Lower Upper
152 100
150 161.3 119.4 179.0
115 65.9 60.2 90.4

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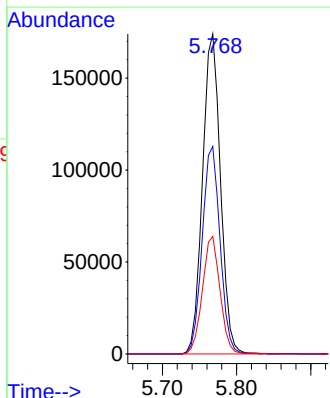
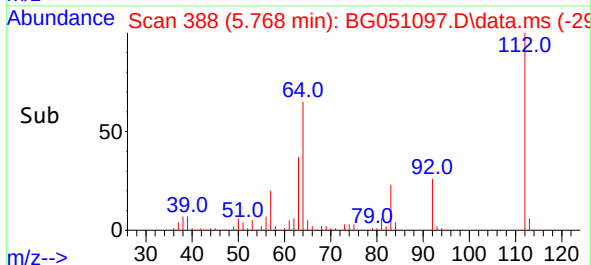
Reviewed By :Jagrut Upadhyay 11/18/2021
Supervised By :mohammad ahmed 11/24/2021

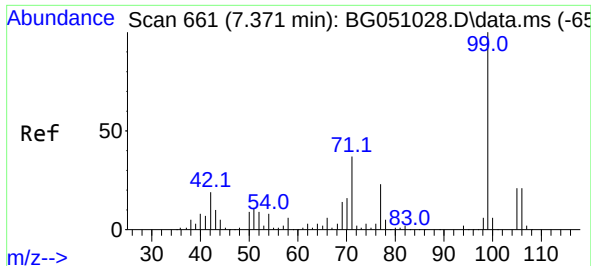


#5
2-Fluorophenol
Concen: 134.304 ng
RT: 5.768 min Scan# 388
Delta R.T. 0.007 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21



Tgt Ion:112 Resp: 292273
Ion Ratio Lower Upper
112 100
64 64.9 46.7 70.1
63 36.8 35.3 52.9





#7
Phenol-d6
Concen: 128.891 ng
RT: 7.378 min Scan# 60
Delta R.T. 0.007 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21

Instrument :

BNA_G

ClientSampleId :

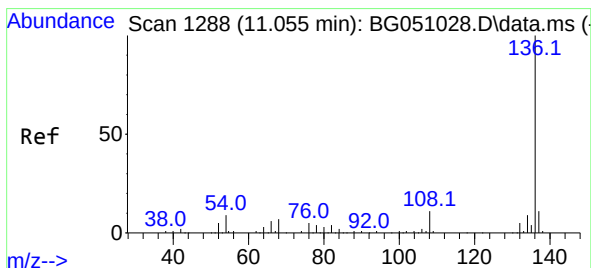
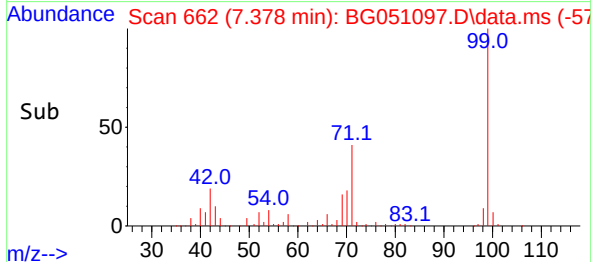
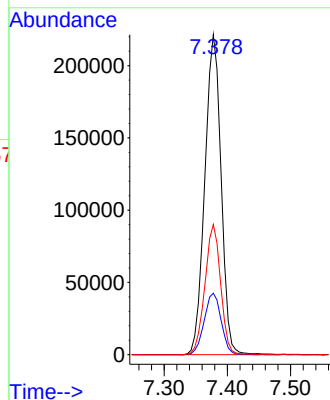
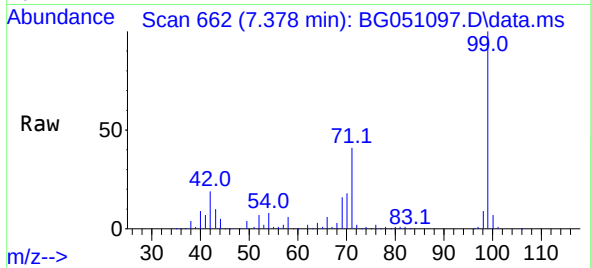
COMP-1

Tgt Ion: 99 Resp: 395904
Ion Ratio Lower Upper
99 100
42 19.2 20.5 30.7
71 40.7 41.5 62.3

Manual Integrations

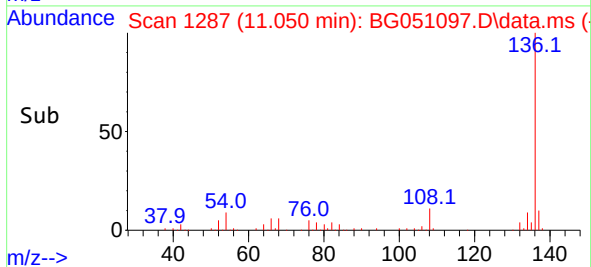
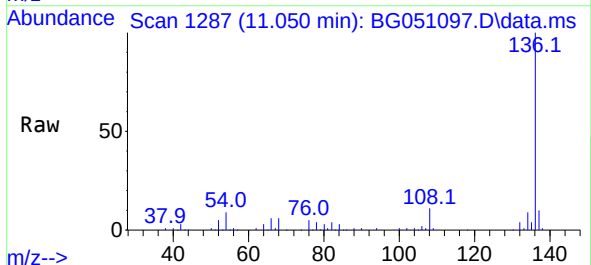
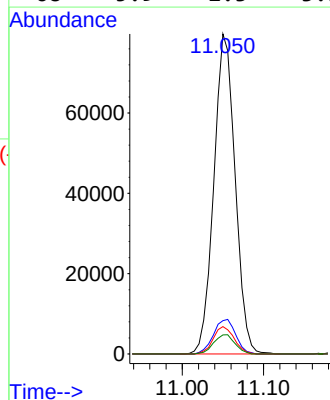
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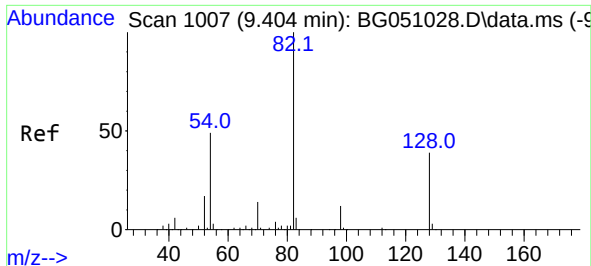
Reviewed By :Jagrut Upadhyay 11/18/2021
Supervised By :mohammad ahmed 11/24/2021



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.050 min Scan# 1287
Delta R.T. -0.005 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21

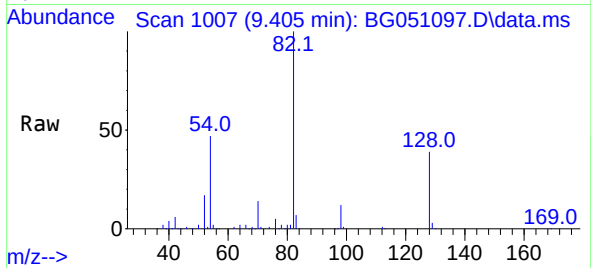
Tgt Ion:136 Resp: 145013
Ion Ratio Lower Upper
136 100
137 10.4 8.2 12.2
54 8.6 5.5 8.3#
68 5.9 2.3 3.5#





#23
Nitrobenzene-d5
Concen: 83.703 ng
RT: 9.405 min Scan# 1007
Delta R.T. 0.001 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21

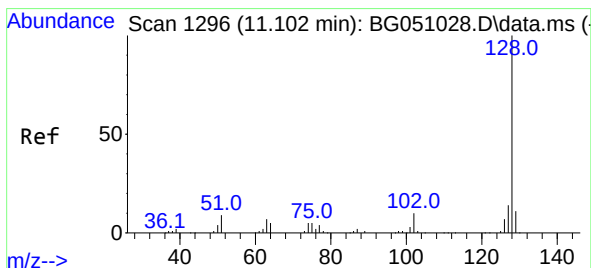
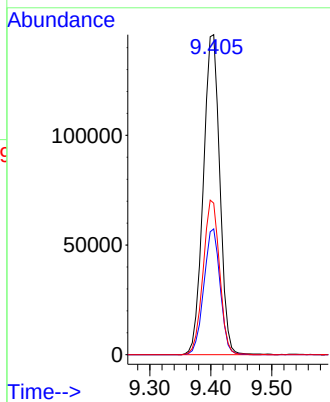
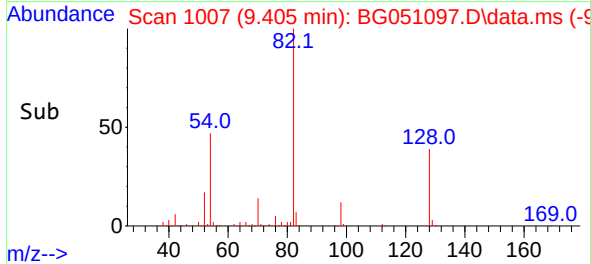
Instrument :
BNA_G
ClientSampleId :
COMP-1



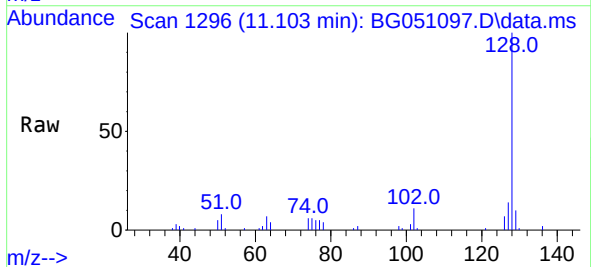
Tgt Ion: 82 Resp: 274204
Ion Ratio Lower Upper
82 100
128 39.3 29.8 44.6
54 47.3 45.8 68.8

Manual Integrations
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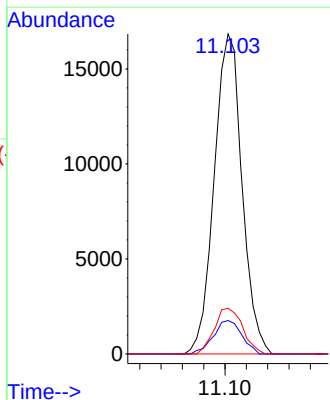
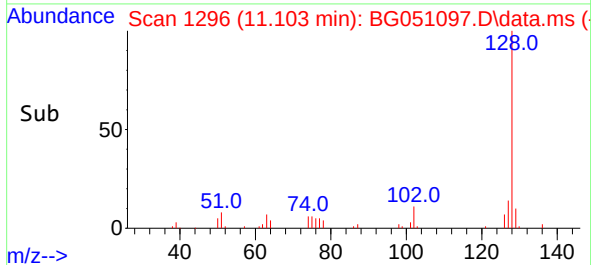
Reviewed By :Jagrut Upadhyay 11/18/2021
Supervised By :mohammad ahmed 11/24/2021

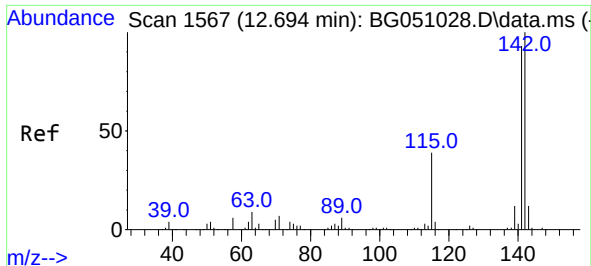


#31
Naphthalene
Concen: 3.908 ng
RT: 11.103 min Scan# 1296
Delta R.T. 0.001 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21



Tgt Ion:128 Resp: 30433
Ion Ratio Lower Upper
128 100
129 10.5 8.5 12.7
127 14.2 10.2 15.4





#37

2-Methylnaphthalene

Concen: 2.172 ng

RT: 12.695 min Scan# 1149

Delta R.T. 0.001 min

Lab File: BG051097.D

Acq: 17 Nov 2021 18:21

Instrument :

BNA_G

ClientSampleId :

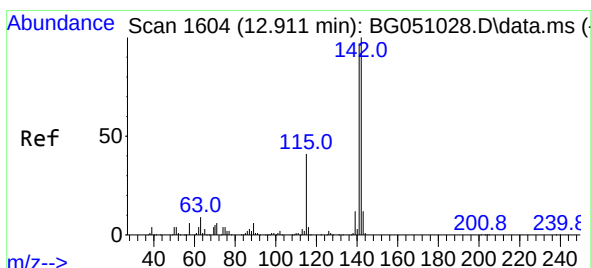
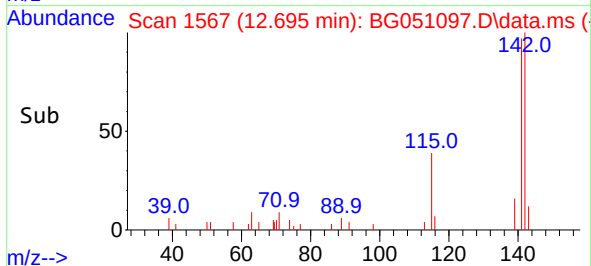
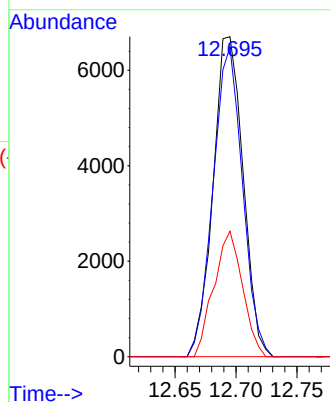
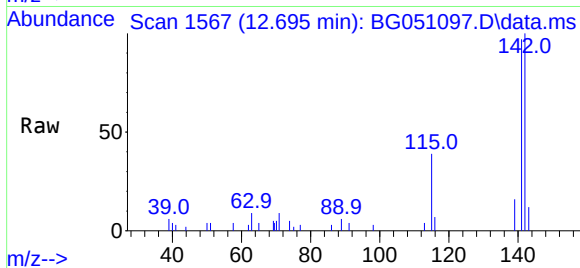
COMP-1

Tgt Ion:142	Resp:	1149
Ion Ratio	Lower	Upper
142	100	
141	96.8	68.8 103.2
115	39.2	36.4 54.6

Manual Integrations

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#38

1-Methylnaphthalene

Concen: 2.094 ng

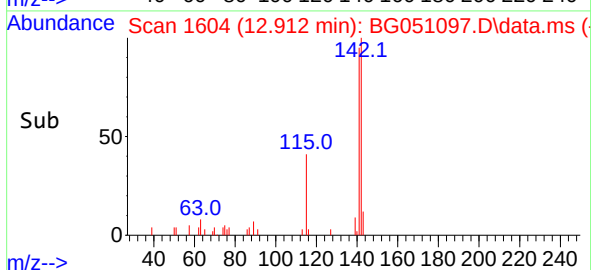
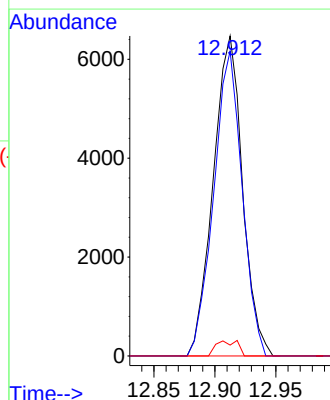
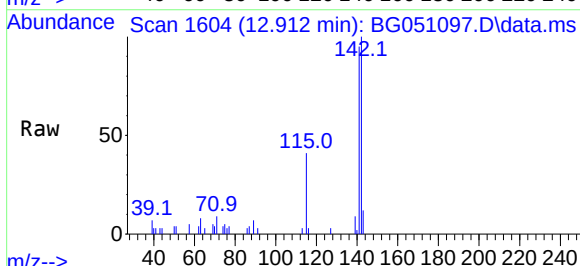
RT: 12.912 min Scan# 1604

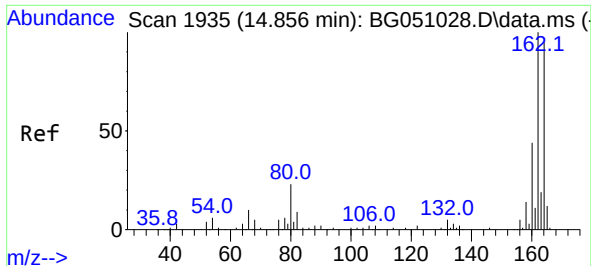
Delta R.T. 0.001 min

Lab File: BG051097.D

Acq: 17 Nov 2021 18:21

Tgt Ion:142	Resp:	10825
Ion Ratio	Lower	Upper
142	100	
141	95.3	70.6 106.0
116	3.4	4.0 6.0#





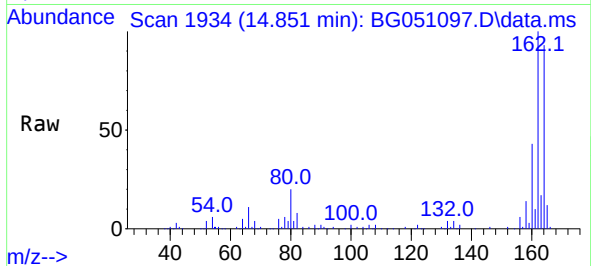
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.851 min Scan# 1934
Delta R.T. -0.005 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21

Instrument :

BNA_G

ClientSampleId :

COMP-1

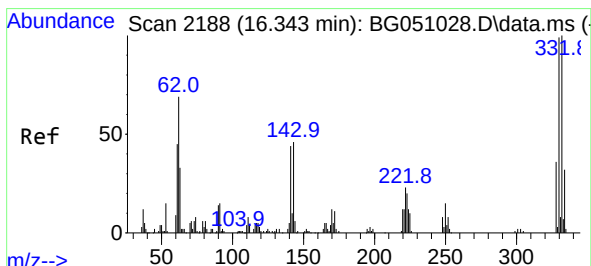
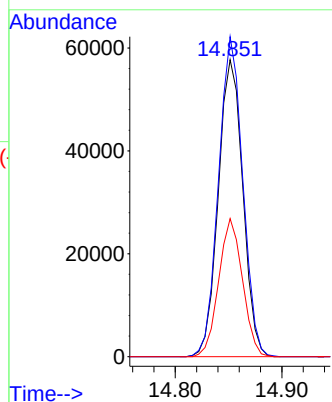
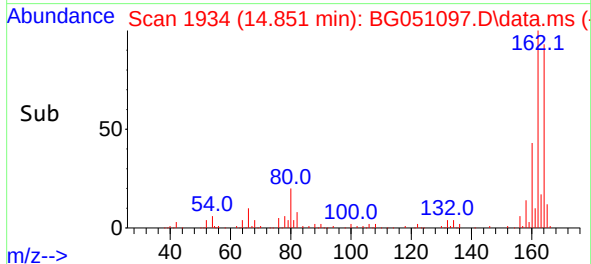


Tgt Ion:164 Resp: 9205
Ion Ratio Lower Upper
164 100
162 107.8 81.4 122.0
160 46.5 34.9 52.3

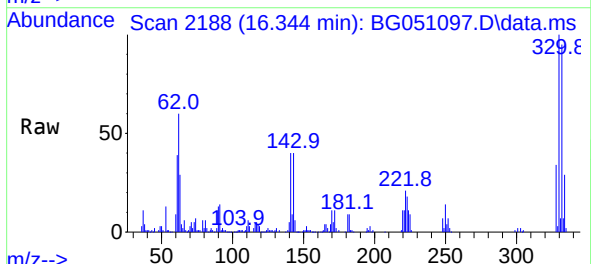
Manual Integrations

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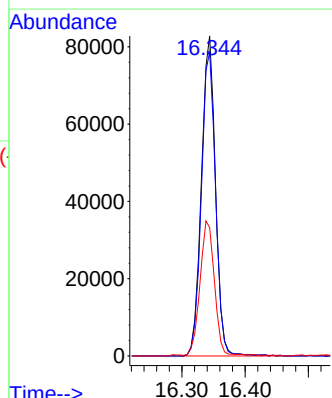
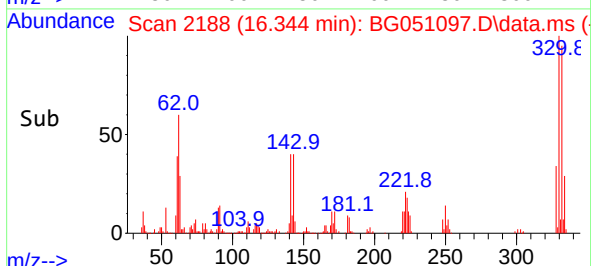
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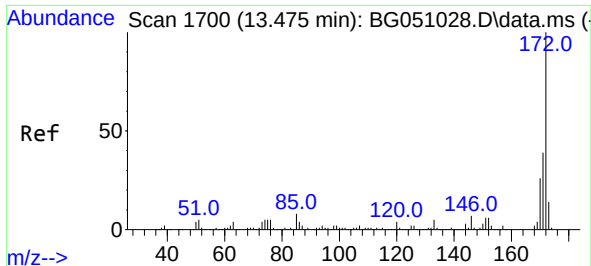


#42
2,4,6-Tribromophenol
Concen: 138.494 ng
RT: 16.344 min Scan# 2188
Delta R.T. 0.001 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21



Tgt Ion:330 Resp: 127578
Ion Ratio Lower Upper
330 100
332 95.9 77.3 115.9
141 42.7 35.6 53.4





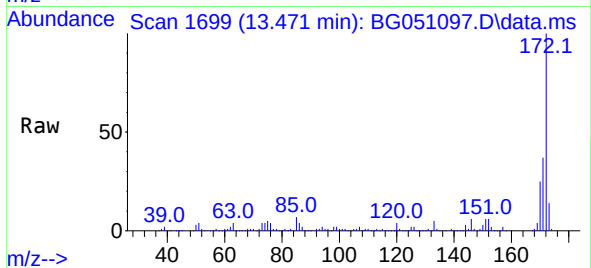
#45
2-Fluorobiphenyl
Concen: 93.339 ng
RT: 13.471 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21

Instrument :

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COMP-1

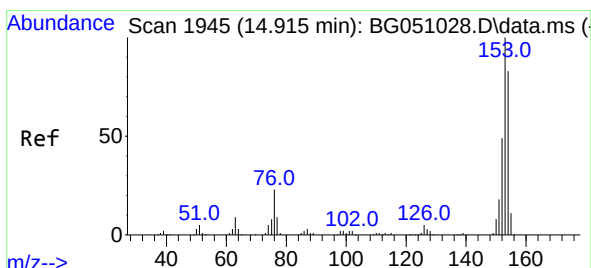
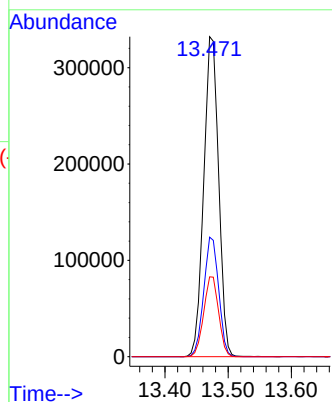
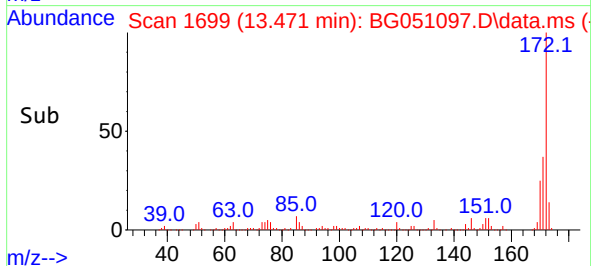


Tgt Ion:172 Resp: 54378
Ion Ratio Lower Upper
172 100
171 37.4 28.6 43.0
170 25.0 18.6 27.8

Manual Integrations

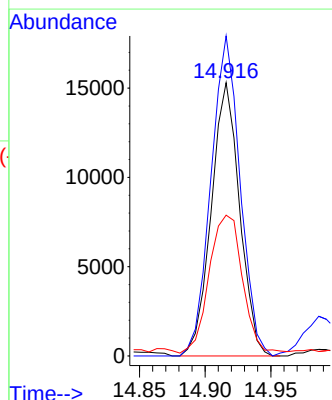
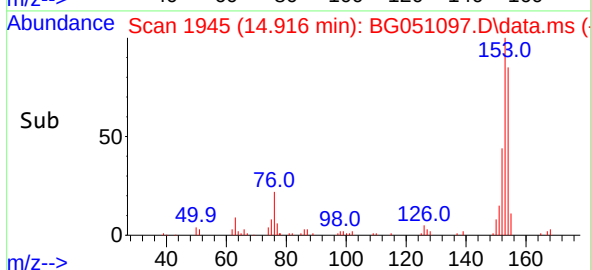
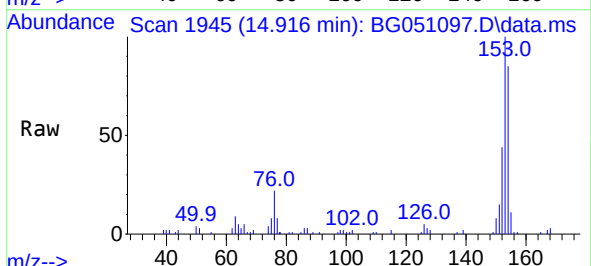
APPROVED

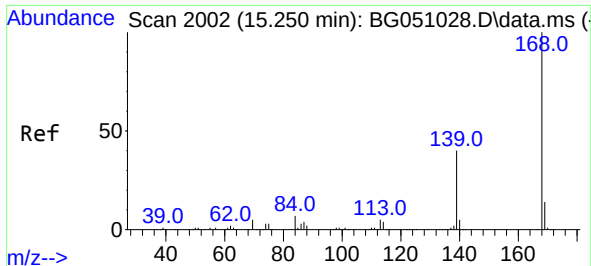
Reviewed By :Jagrut Upadhyay 11/18/2021
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#52
Acenaphthene
Concen: 4.624 ng
RT: 14.916 min Scan# 1945
Delta R.T. 0.001 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21

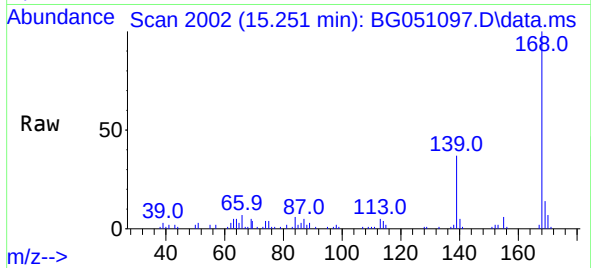
Tgt Ion:154 Resp: 22967
Ion Ratio Lower Upper
154 100
153 117.1 87.0 130.4
152 51.5 40.1 60.1





#55
Dibenzenofuran
Concen: 3.729 ng
RT: 15.251 min Scan# 2002
Delta R.T. 0.001 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21

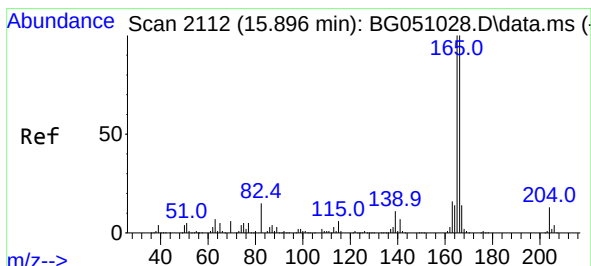
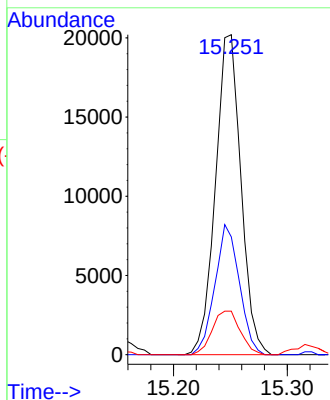
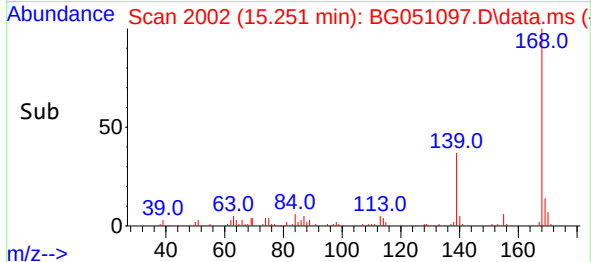
Instrument :
BNA_G
ClientSampleId :
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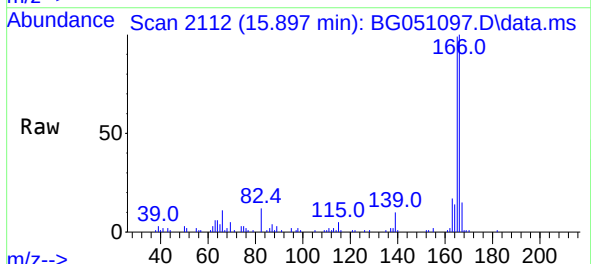
Tgt Ion:168 Resp: 31500
Ion Ratio Lower Upper
168 100
139 36.8 33.4 50.2
169 13.6 12.3 18.5

Manual Integrations
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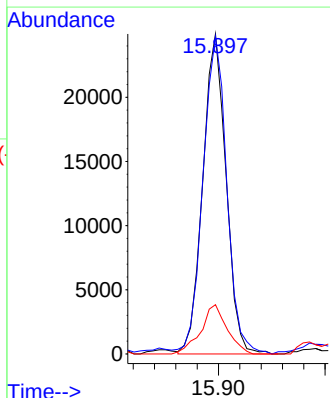
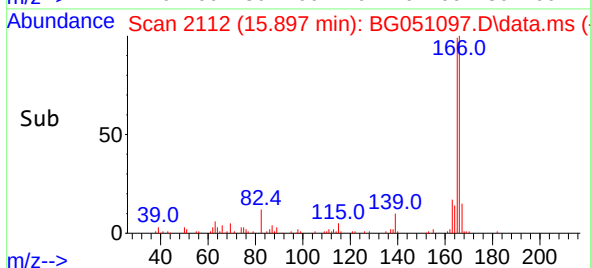
Reviewed By :Jagrut Upadhyay 11/18/2021
Supervised By :mohammad ahmed 11/24/2021

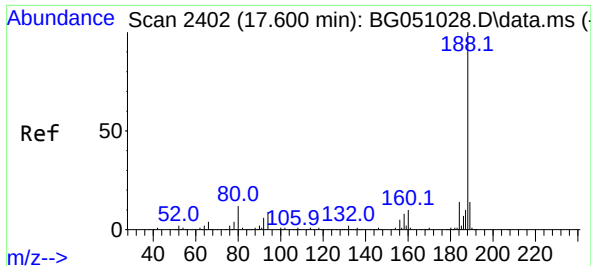


#58
Fluorene
Concen: 5.738 ng
RT: 15.897 min Scan# 2112
Delta R.T. 0.001 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21



Tgt Ion:166 Resp: 37836
Ion Ratio Lower Upper
166 100
165 99.3 77.7 116.5
167 15.4 10.8 16.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.601 min Scan# 2402
Delta R.T. 0.001 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21

Instrument :

BNA_G

ClientSampleId :

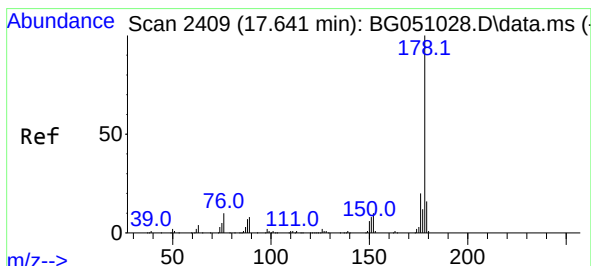
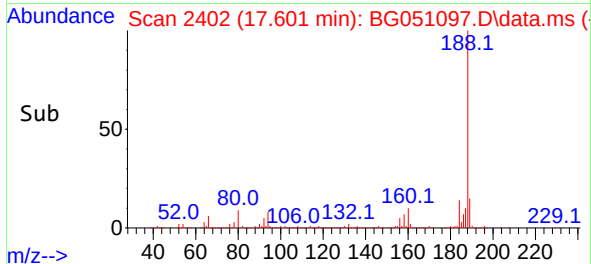
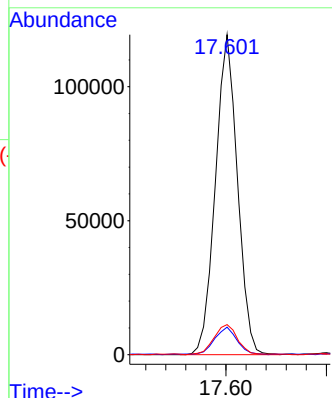
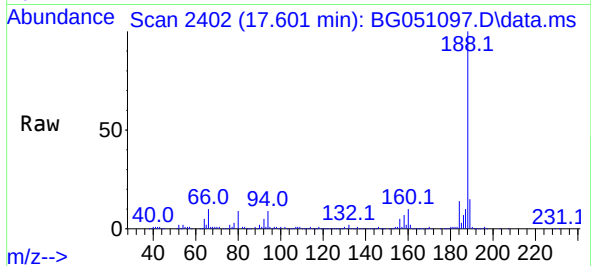
COMP-1

Tgt Ion:188 Resp: 181570
Ion Ratio Lower Upper
188 100
94 8.6 5.4 8.0
80 9.4 3.7 5.5

Manual Integrations

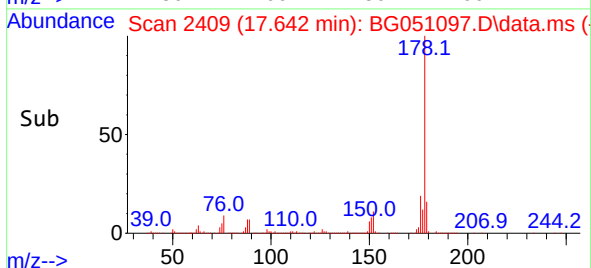
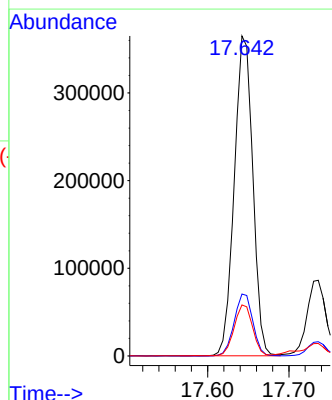
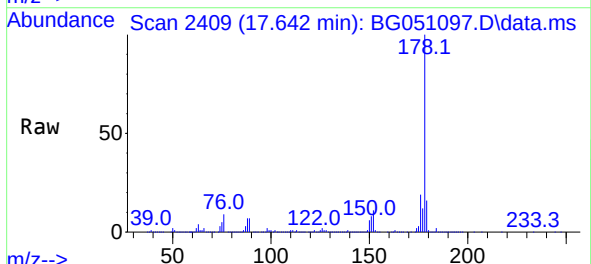
APPROVED

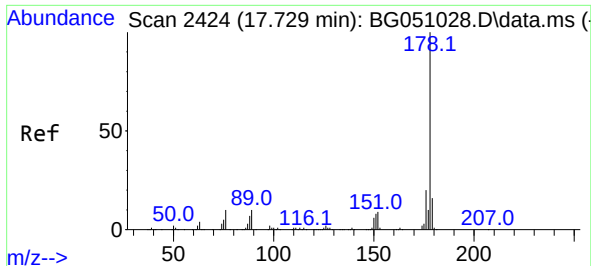
Reviewed By :Jagrut Upadhyay 11/18/2021
Supervised By :mohammad ahmed 11/24/2021



#71
Phenanthrene
Concen: 59.533 ng
RT: 17.642 min Scan# 2409
Delta R.T. 0.001 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21

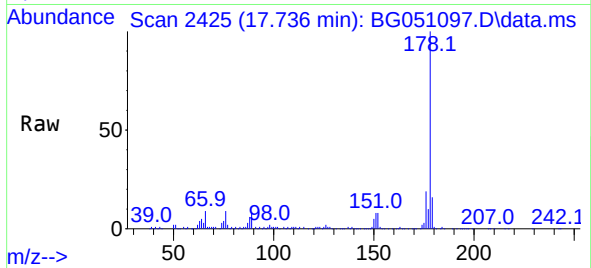
Tgt Ion:178 Resp: 576596
Ion Ratio Lower Upper
178 100
176 19.4 16.0 24.0
179 16.0 14.2 21.4





#72
 Anthracene
 Concen: 14.015 ng
 RT: 17.736 min Scan# 2424
 Delta R.T. 0.007 min
 Lab File: BG051097.D
 Acq: 17 Nov 2021 18:21

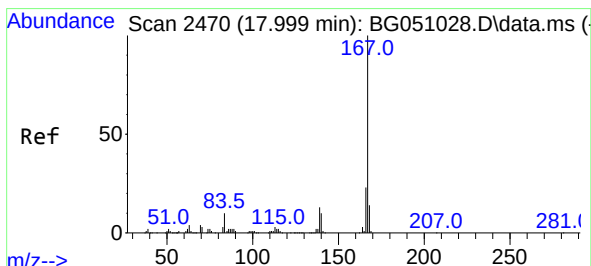
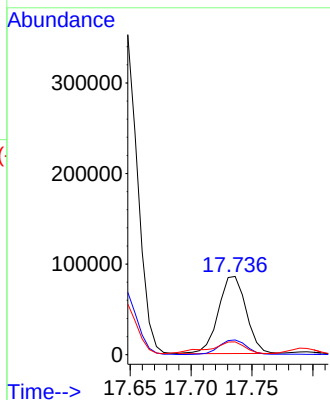
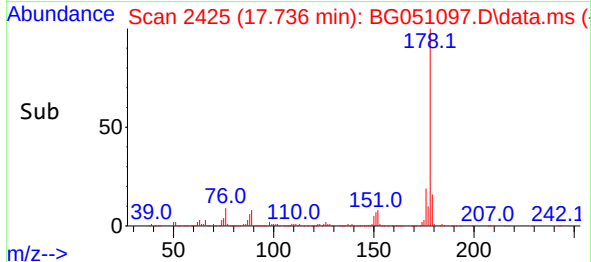
Instrument :
 BNA_G
 ClientSampleId :
 COMP-1



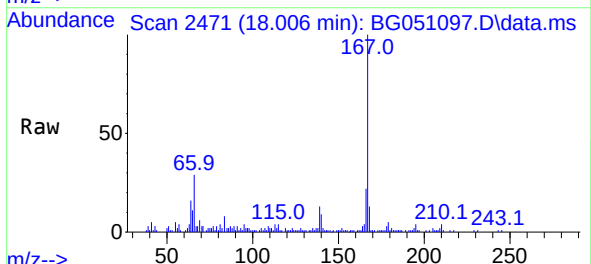
Tgt Ion:178 Resp: 135000
 Ion Ratio Lower Upper
 178 100
 176 18.8 14.6 21.8
 179 16.4 13.4 20.0

Manual Integrations
 APPROVED

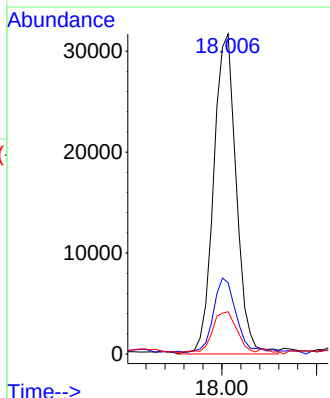
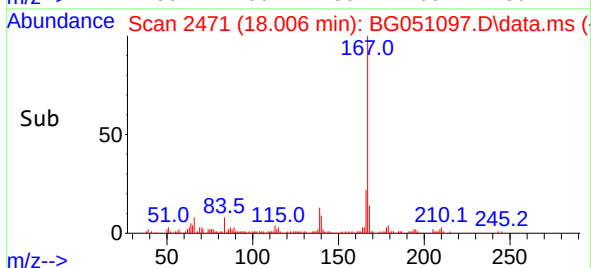
Reviewed By :Jagrut Upadhyay 11/18/2021
 Supervised By :mohammad ahmed 11/24/2021

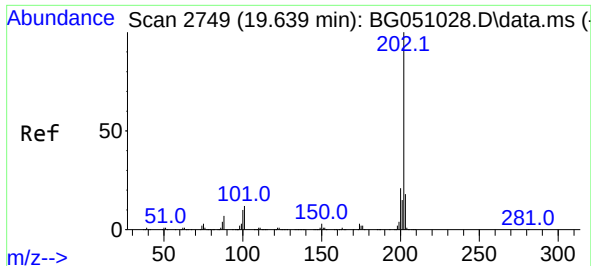


#73
 Carbazole
 Concen: 5.525 ng
 RT: 18.006 min Scan# 2471
 Delta R.T. 0.007 min
 Lab File: BG051097.D
 Acq: 17 Nov 2021 18:21



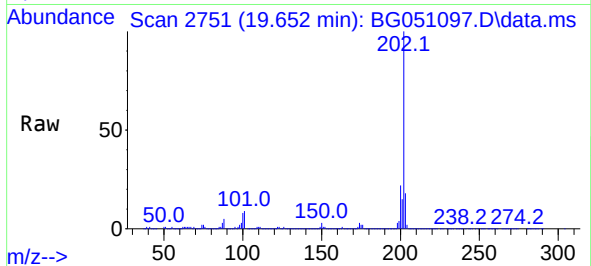
Tgt Ion:167 Resp: 52705
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.4 26.2
 139 13.2 10.7 16.1





#75
Fluoranthene
Concen: 68.070 ng
RT: 19.652 min Scan# 21
Delta R.T. 0.013 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21

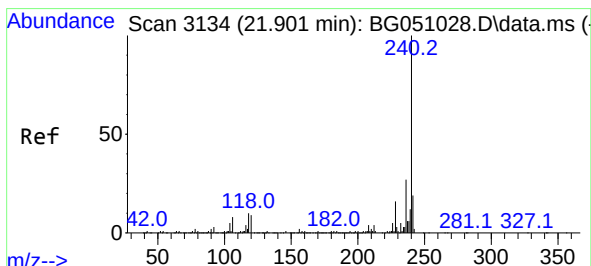
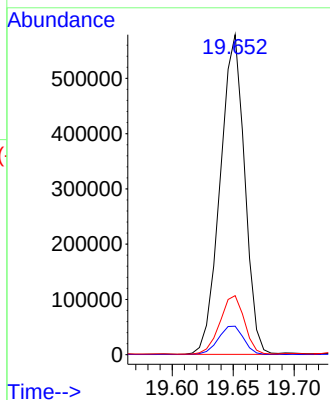
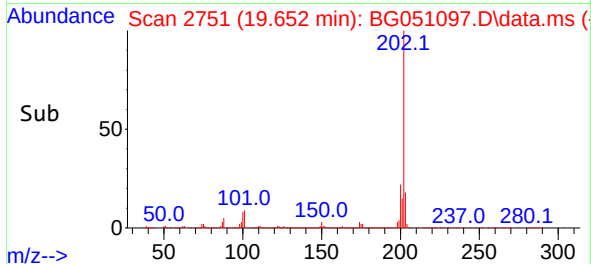
Instrument :
BNA_G
ClientSampleId :
COMP-1



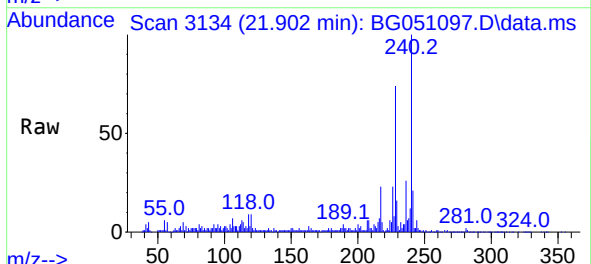
Tgt Ion:202 Resp: 80884
Ion Ratio Lower Upper
202 100
101 8.9 0.0 24.7
203 18.4 0.0 38.5

Manual Integrations
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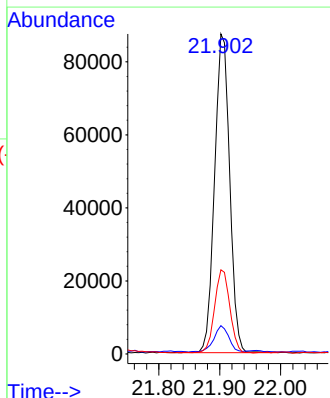
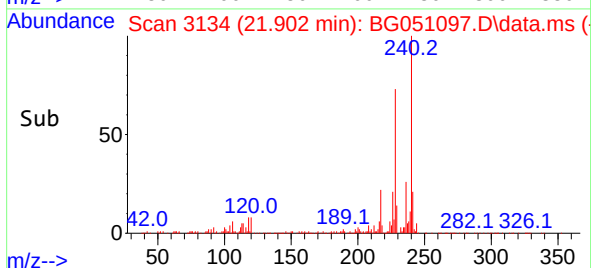
Reviewed By :Jagrut Upadhyay 11/18/2021
Supervised By :mohammad ahmed 11/24/2021

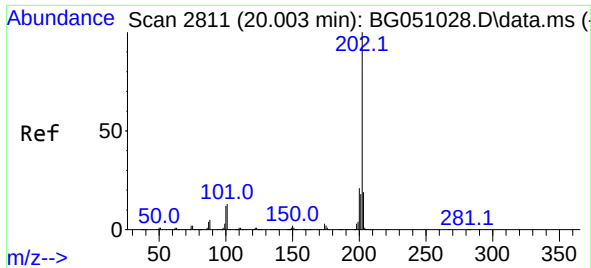


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.902 min Scan# 3134
Delta R.T. 0.001 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21



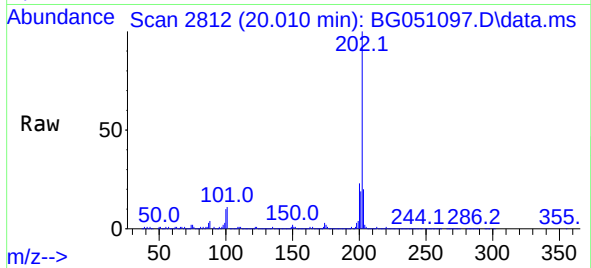
Tgt Ion:240 Resp: 149911
Ion Ratio Lower Upper
240 100
120 8.8 4.2 6.2#
236 26.3 21.8 32.6





#78
Pyrene
Concen: 66.515 ng
RT: 20.010 min Scan# 2812
Delta R.T. 0.007 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21

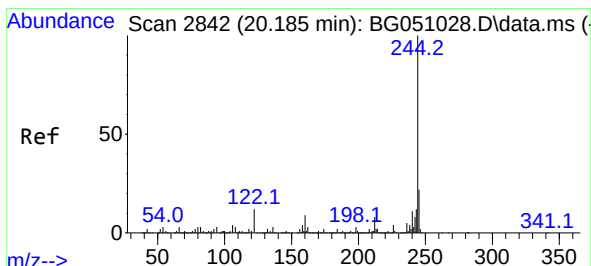
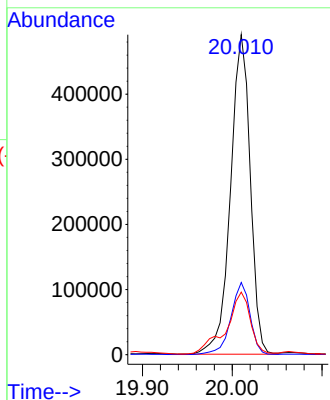
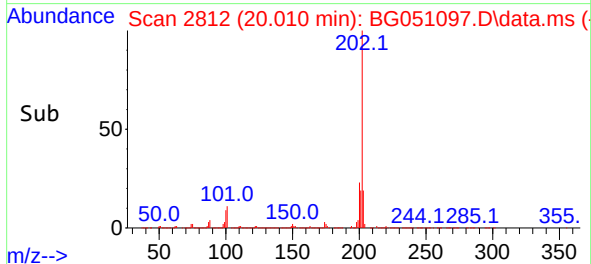
Instrument :
BNA_G
ClientSampleId :
COMP-1



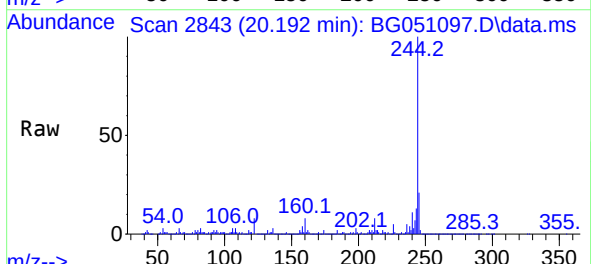
Tgt Ion:202 Resp: 74805
Ion Ratio Lower Upper
202 100
200 22.6 15.8 23.8
203 19.5 14.6 21.8

Manual Integrations
APPROVED

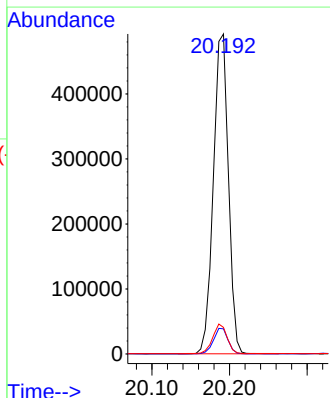
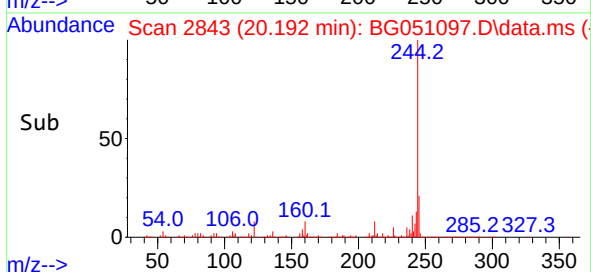
Reviewed By :Jagrut Upadhyay 11/18/2021
Supervised By :mohammad ahmed 11/24/2021

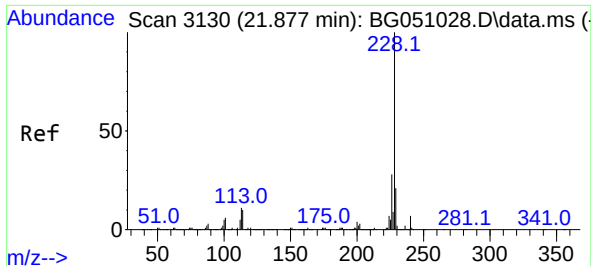


#79
Terphenyl-d14
Concen: 81.000 ng
RT: 20.192 min Scan# 2843
Delta R.T. 0.007 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21



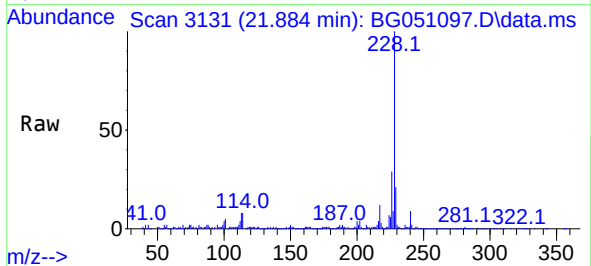
Tgt Ion:244 Resp: 663617
Ion Ratio Lower Upper
244 100
212 7.9 6.9 10.3
122 8.3 5.0 7.6#





#81
Benzo(a)anthracene
Concen: 38.400 ng
RT: 21.884 min Scan# 3131
Delta R.T. 0.007 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21

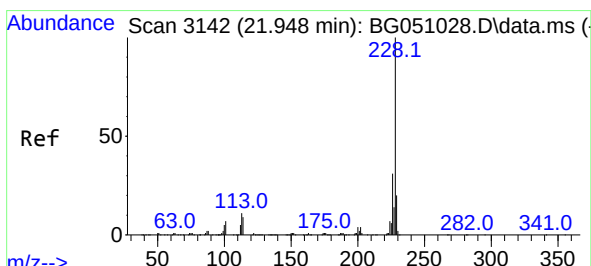
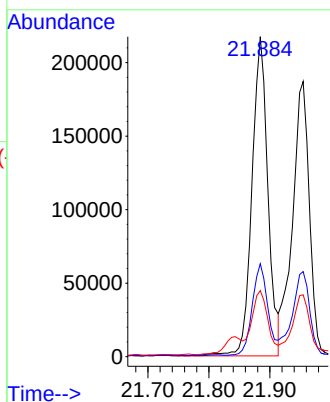
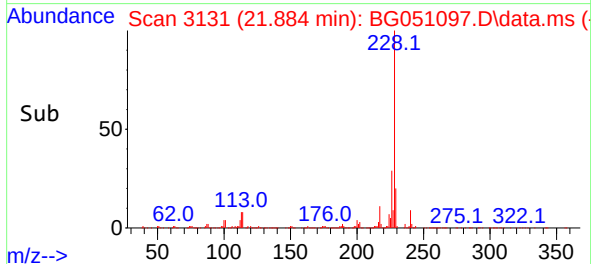
Instrument :
BNA_G
ClientSampleId :
COMP-1



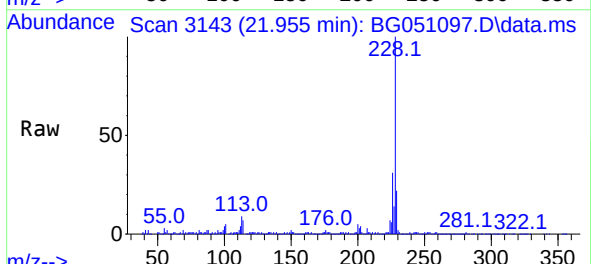
Tgt Ion:228 Resp: 39527
Ion Ratio Lower Upper
228 100
226 29.0 22.7 34.1
229 20.7 16.0 24.0

Manual Integrations
APPROVED

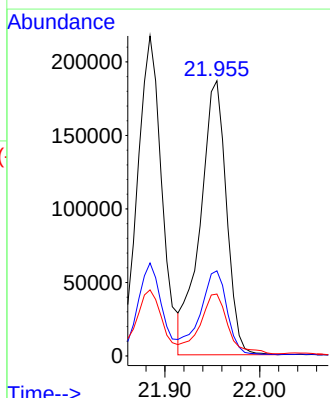
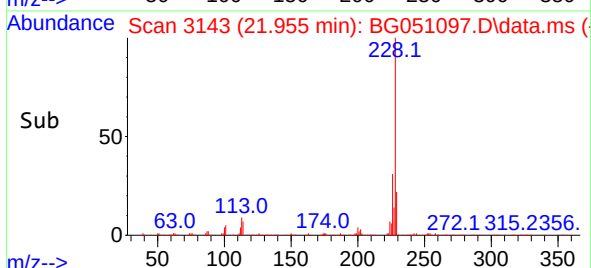
Reviewed By :Jagrut Upadhyay 11/18/2021
Supervised By :mohammad ahmed 11/24/2021

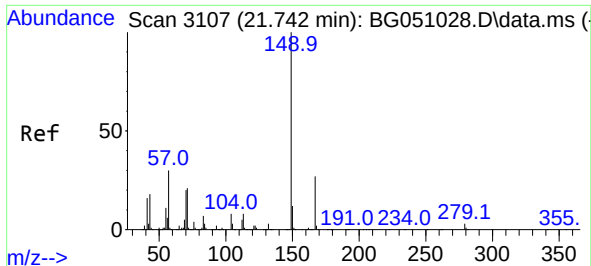


#83
Chrysene
Concen: 36.986 ng
RT: 21.955 min Scan# 3143
Delta R.T. 0.007 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21



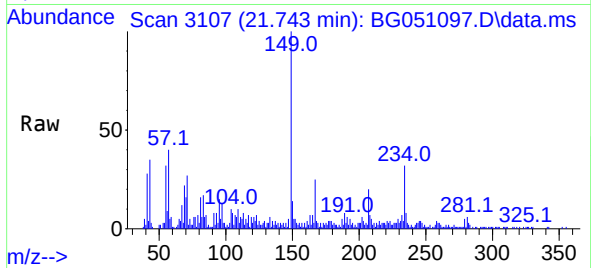
Tgt Ion:228 Resp: 359154
Ion Ratio Lower Upper
228 100
226 30.9 23.1 34.7
229 22.5 15.3 22.9





#84
Bis(2-ethylhexyl)phthalate
Concen: 5.276 ng
RT: 21.743 min Scan# 3107
Delta R.T. 0.001 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21

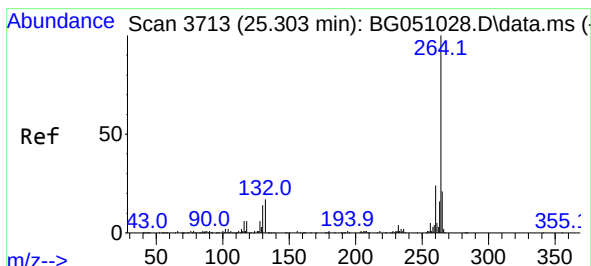
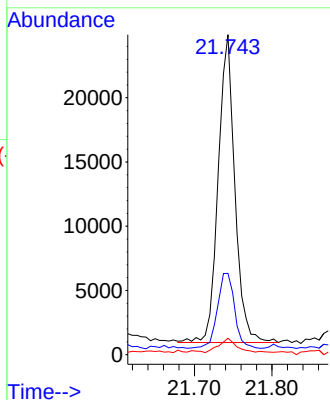
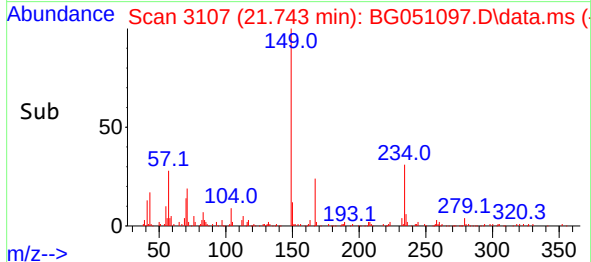
Instrument :
BNA_G
ClientSampleId :
COMP-1



Tgt Ion:149 Resp: 35910
Ion Ratio Lower Upper
149 100
167 25.4 22.3 33.5
279 5.1 3.8 5.8

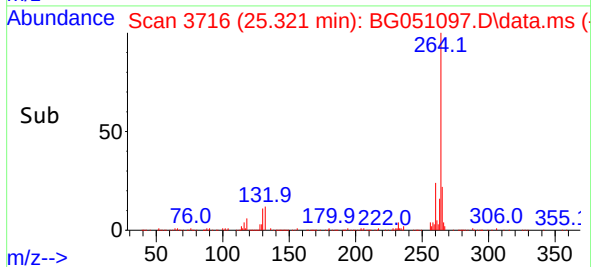
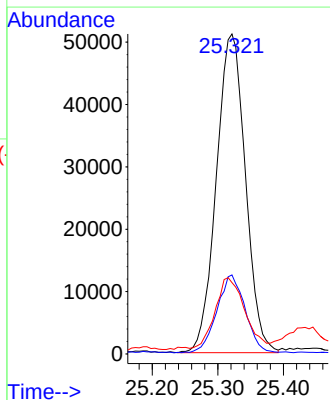
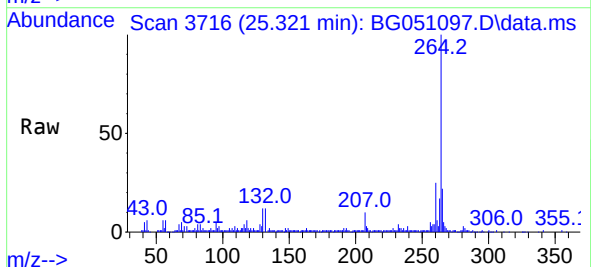
Manual Integrations
APPROVED

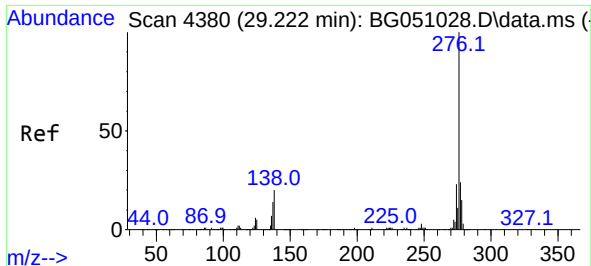
Reviewed By :Jagrut Upadhyay 11/18/2021
Supervised By :mohammad ahmed 11/24/2021



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.321 min Scan# 3716
Delta R.T. 0.019 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21

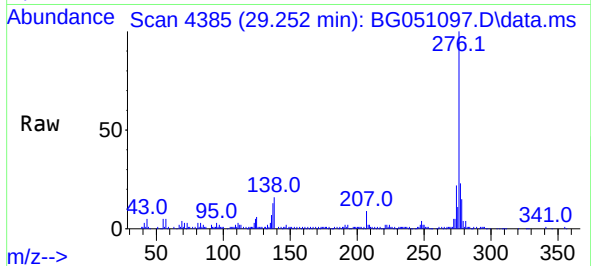
Tgt Ion:264 Resp: 157425
Ion Ratio Lower Upper
264 100
260 24.7 19.4 29.2
265 22.3 16.9 25.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 22.453 ng
RT: 29.252 min Scan# 41
Delta R.T. 0.031 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21

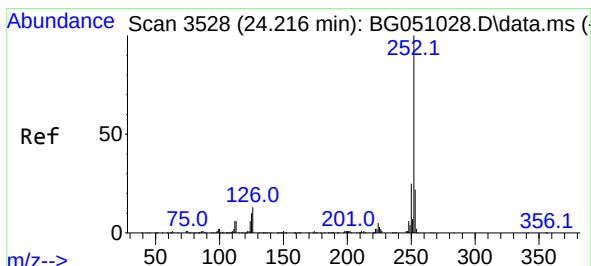
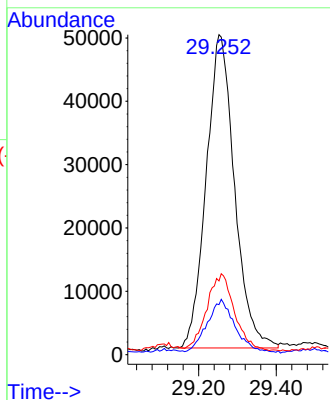
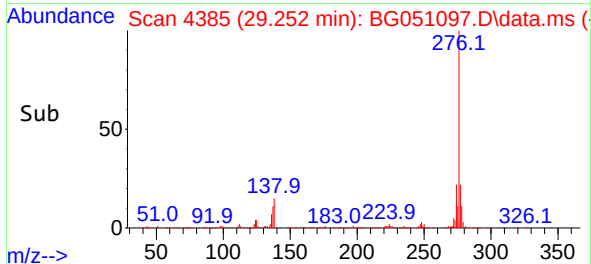
Instrument :
BNA_G
ClientSampleId :
COMP-1



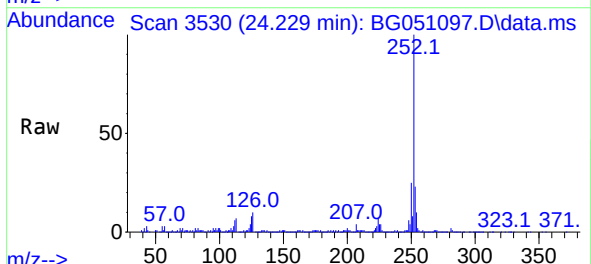
Tgt Ion:276 Resp: 25088
Ion Ratio Lower Upper
276 100
138 16.4 5.1 7.7
277 24.0 19.8 29.6

Manual Integrations
APPROVED

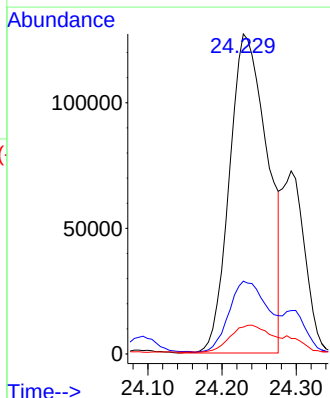
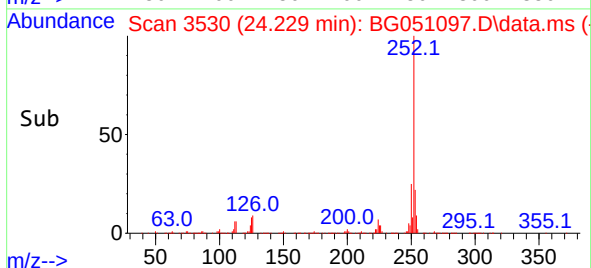
Reviewed By :Jagrut Upadhyay 11/18/2021
Supervised By :mohammad ahmed 11/24/2021

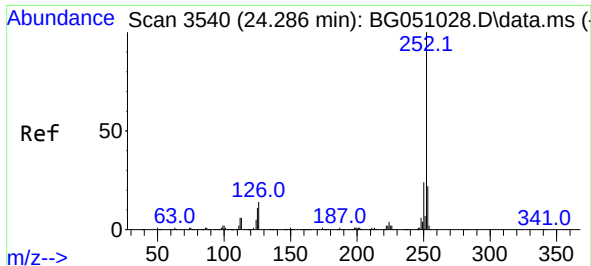


#88
Benzo(b)fluoranthene
Concen: 45.513 ng
RT: 24.229 min Scan# 3530
Delta R.T. 0.013 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21



Tgt Ion:252 Resp: 450996
Ion Ratio Lower Upper
252 100
253 22.8 16.2 24.4
125 8.4 3.0 4.4#





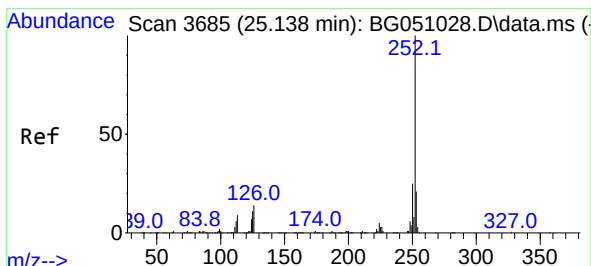
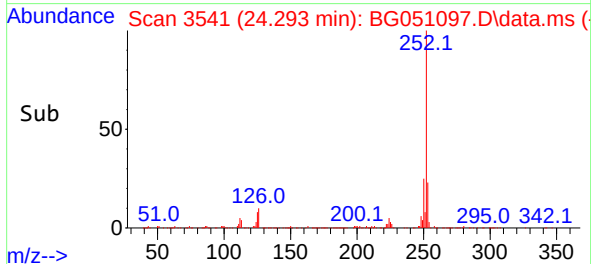
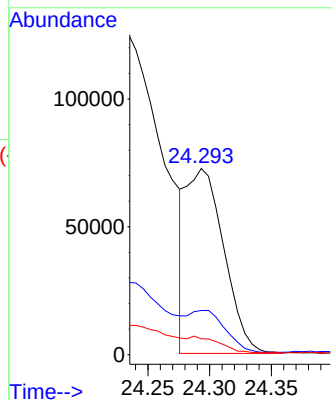
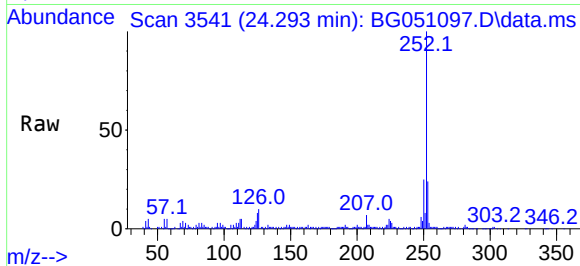
#89
Benzo(k)fluoranthene
Concen: 15.497 ng m
RT: 24.293 min Scan# 3541
Delta R.T. 0.007 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21

Instrument :
BNA_G
ClientSampleId :
COMP-1

Tgt Ion:252 Resp: 153160
Ion Ratio Lower Upper
252 100
253 23.7 18.0 27.0
125 8.5 3.1 4.7

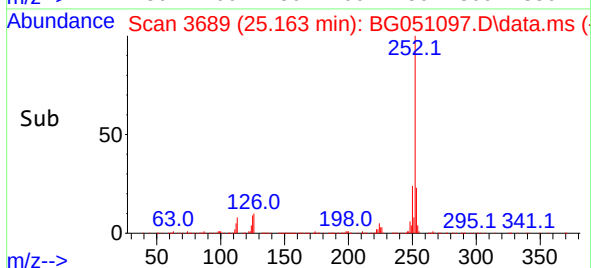
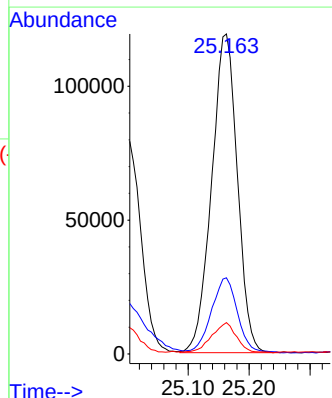
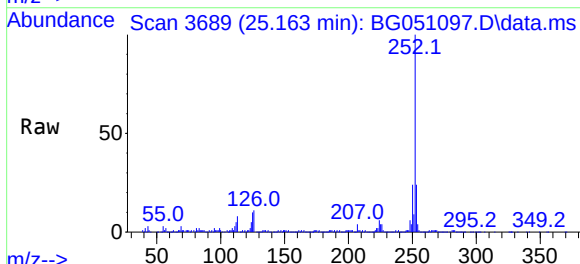
Manual Integrations
APPROVED

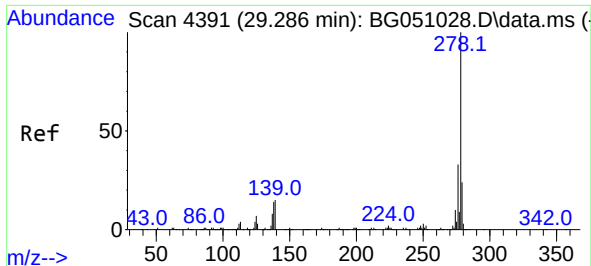
Reviewed By :Jagrut Upadhyay 11/18/2021
Supervised By :mohammad ahmed 11/24/2021



#90
Benzo(a)pyrene
Concen: 41.243 ng
RT: 25.163 min Scan# 3689
Delta R.T. 0.025 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21

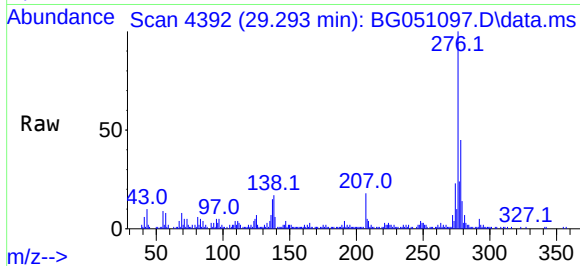
Tgt Ion:252 Resp: 348908
Ion Ratio Lower Upper
252 100
253 23.8 16.6 25.0
125 9.8 3.5 5.3





#91
Dibenzo(a,h)anthracene
Concen: 6.498 ng
RT: 29.293 min Scan# 41
Delta R.T. 0.007 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21

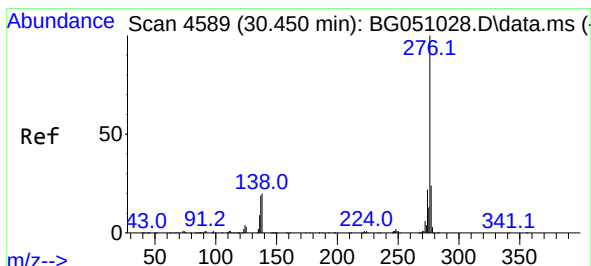
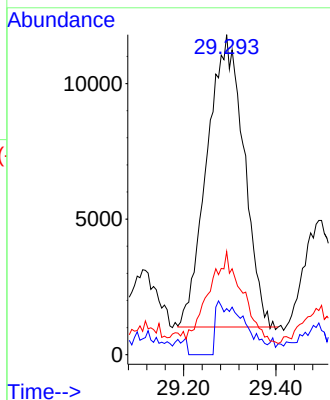
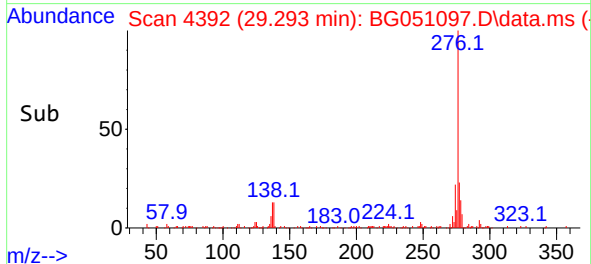
Instrument :
BNA_G
ClientSampleId :
COMP-1



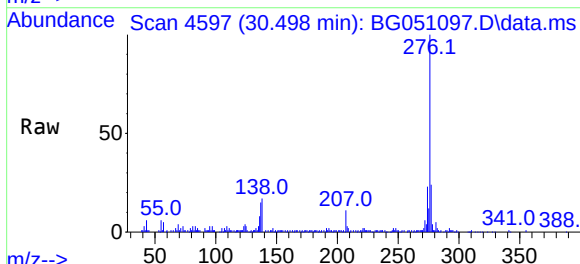
Tgt Ion:278 Resp: 59770
Ion Ratio Lower Upper
278 100
139 14.4 4.6 6.8
279 32.2 17.9 26.9

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/18/2021
Supervised By :mohammad ahmed 11/24/2021



#92
Benzo(g,h,i)perylene
Concen: 28.821 ng
RT: 30.498 min Scan# 4597
Delta R.T. 0.048 min
Lab File: BG051097.D
Acq: 17 Nov 2021 18:21



Tgt Ion:276 Resp: 260935
Ion Ratio Lower Upper
276 100
277 24.2 18.4 27.6
138 17.4 7.0 10.6

