

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
 Data File : BG051115.D
 Acq On : 18 Nov 2021 21:36
 Operator : CG/JU
 Sample : M4707-39
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 4-COMP

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2021
 Supervised By :mohammad ahmed 11/29/2021

Quant Time: Nov 19 01:37:53 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 19 01:16:08 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.218	152	31655	20.000	ng	-0.01
21) Naphthalene-d8	11.044	136	135789	20.000	ng	#-0.01
39) Acenaphthene-d10	14.846	164	93477	20.000	ng	-0.01
64) Phenanthrene-d10	17.595	188	196285	20.000	ng	# 0.00
76) Chrysene-d12	21.896	240	165574	20.000	ng	# 0.00
86) Perylene-d12	25.304	264	170326	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.762	112	209029	98.780	ng	0.00
7) Phenol-d6	7.372	99	289115	96.798	ng	0.00
23) Nitrobenzene-d5	9.393	82	203404	66.309	ng	-0.01
42) 2,4,6-Tribromophenol	16.338	330	98761	105.576	ng	0.00
45) 2-Fluorobiphenyl	13.465	172	402644	68.059	ng	0.00
79) Terphenyl-d14	20.181	244	547001	62.912	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.910	154	13818	2.740	ng	# 86
55) Dibenzofuran	15.245	168	18849	2.197	ng	97
58) Fluorene	15.892	166	17820	2.661	ng	# 98
71) Phenanthrene	17.637	178	473099	45.186	ng	97
72) Anthracene	17.731	178	96061	9.225	ng	97
73) Carbazole	18.001	167	49900	4.839	ng	99
75) Fluoranthene	19.640	202	824078	64.155	ng	96
78) Pyrene	20.004	202	675197	54.358	ng	97
81) Benzo(a)anthracene	21.879	228	349626	30.752	ng	99
83) Chrysene	21.943	228	336261m	31.353	ng	
87) Indeno(1,2,3-cd)pyrene	29.235	276	186045	15.389	ng	# 89
88) Benzo(b)fluoranthene	24.223	252	404613	37.739	ng	# 93
89) Benzo(k)fluoranthene	24.282	252	136985m	12.811	ng	
90) Benzo(a)pyrene	25.145	252	269677	29.463	ng	# 95
91) Dibenzo(a,h)anthracene	29.264	278	52195	5.244	ng	# 89
92) Benzo(g,h,i)perylene	30.457	276	167423	17.092	ng	# 92

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

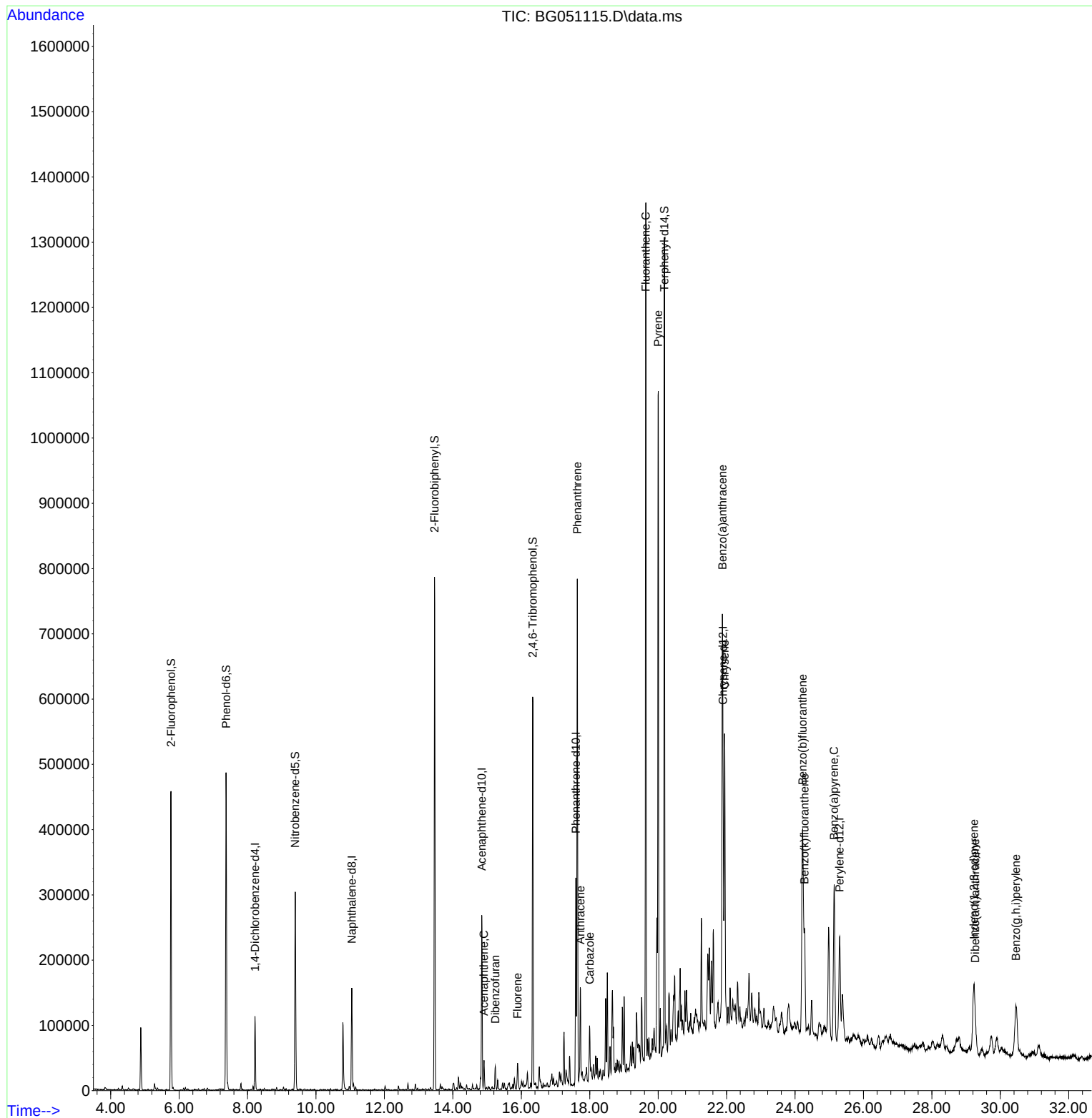
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
Data File : BG051115.D
Acq On : 18 Nov 2021 21:36
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Misc :
ALS Vial : 14 Sample Multiplier: 1

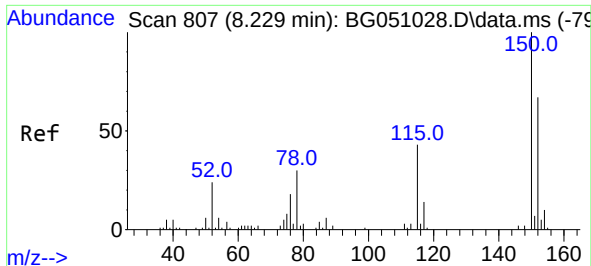
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Quant Time: Nov 19 01:37:53 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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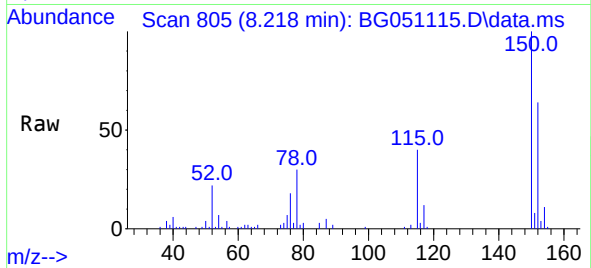
Reviewed By :Jagrut Upadhyay 11/19/2021
Supervised By :mohammad ahmed 11/29/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.218 min Scan# 807
Delta R.T. -0.011 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36

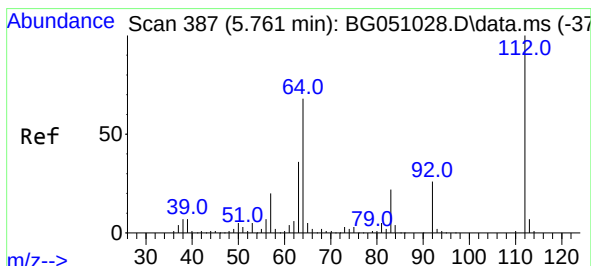
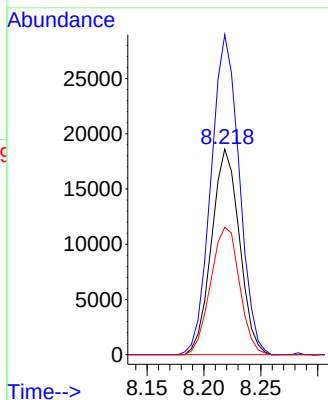
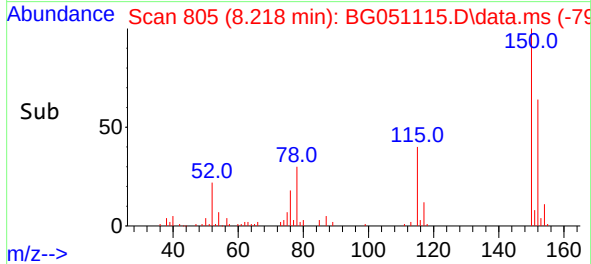
Instrument :
BNA_G
ClientSampleId :
4-COMP



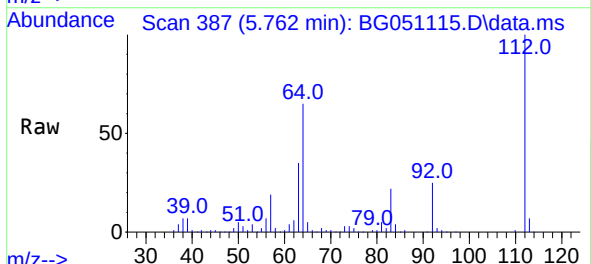
Tgt Ion:152 Resp: 31658
Ion Ratio Lower Upper
152 100
150 155.7 119.4 179.0
115 61.9 60.2 90.4

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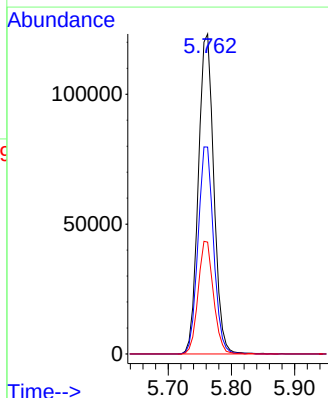
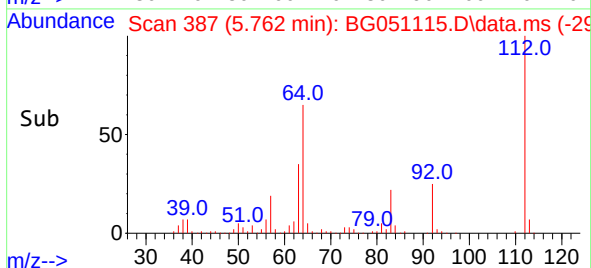
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Supervised By :mohammad ahmed 11/29/2021

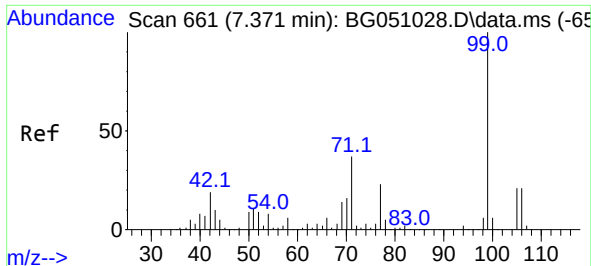


#5
2-Fluorophenol
Concen: 98.780 ng
RT: 5.762 min Scan# 387
Delta R.T. 0.001 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36



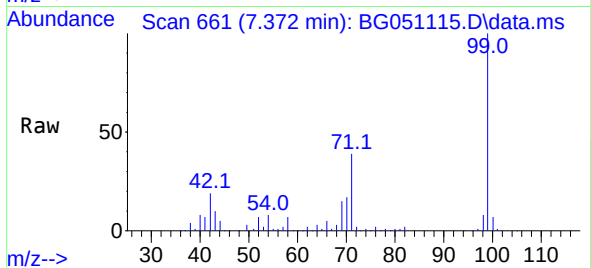
Tgt Ion:112 Resp: 209029
Ion Ratio Lower Upper
112 100
64 64.7 46.7 70.1
63 34.9 35.3 52.9#





#7
Phenol-d6
Concen: 96.798 ng
RT: 7.372 min Scan# 60
Delta R.T. 0.001 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36

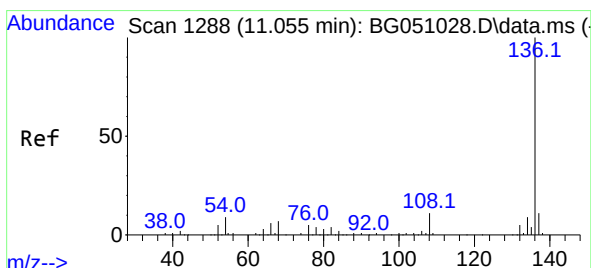
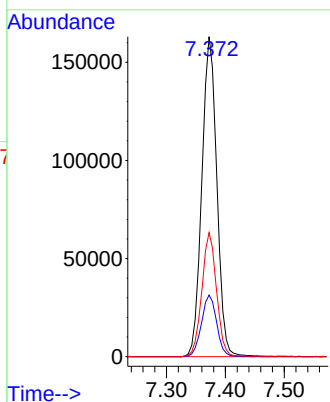
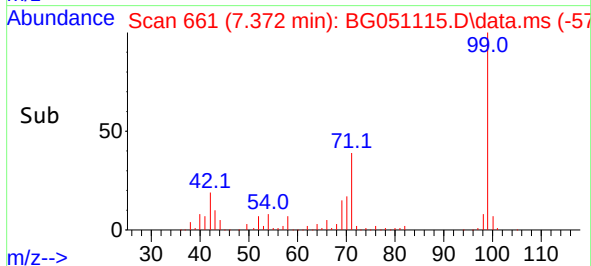
Instrument :
BNA_G
ClientSampleId :
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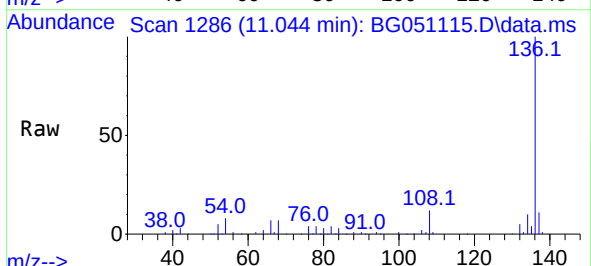
Tgt Ion: 99 Resp: 28911
Ion Ratio Lower Upper
99 100
42 19.3 20.5 30.7
71 38.8 41.5 62.3

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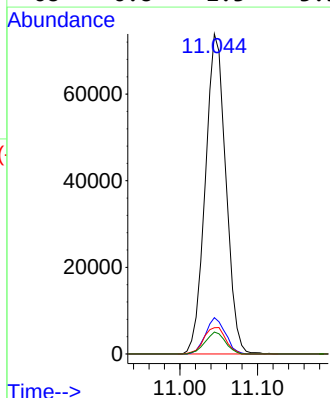
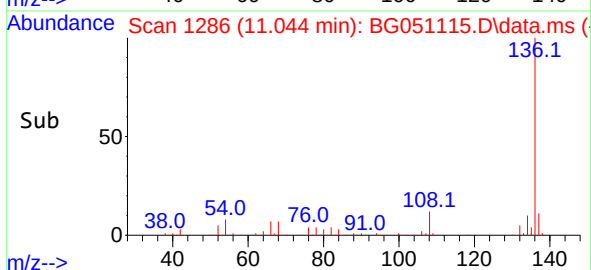
Reviewed By :Jagrut Upadhyay 11/19/2021
Supervised By :mohammad ahmed 11/29/2021

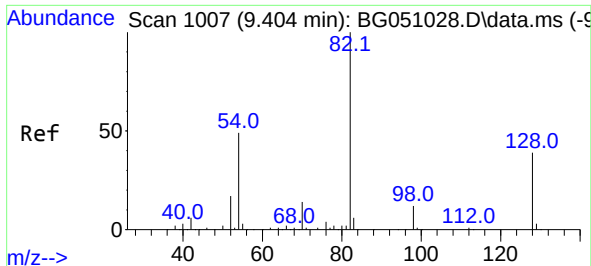


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.044 min Scan# 1286
Delta R.T. -0.010 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36



Tgt Ion:136 Resp: 135789
Ion Ratio Lower Upper
136 100
137 11.3 8.2 12.2
54 8.2 5.5 8.3
68 6.8 2.3 3.5





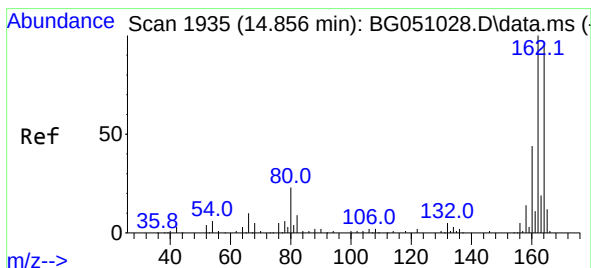
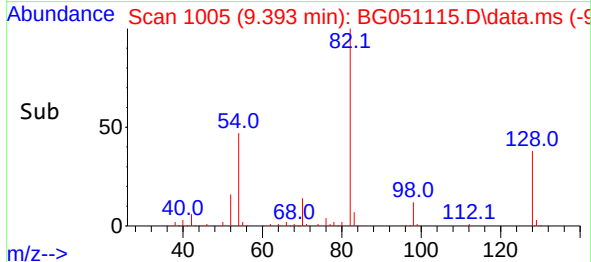
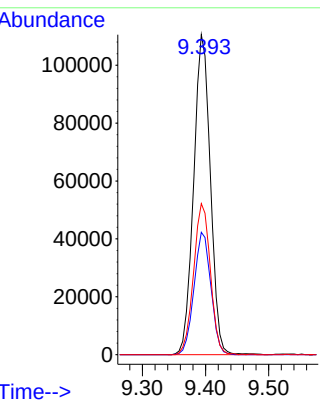
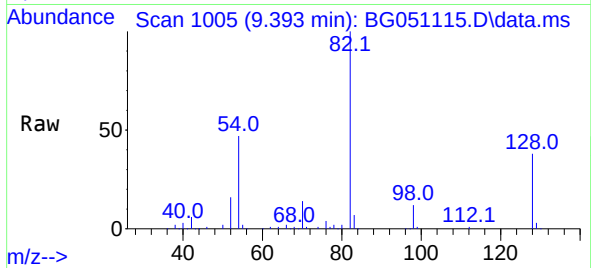
#23
Nitrobenzene-d5
Concen: 66.309 ng
RT: 9.393 min Scan# 1005
Delta R.T. -0.011 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36

Instrument :
BNA_G
ClientSampleId :
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Tgt Ion: 82 Resp: 203404
Ion Ratio Lower Upper
82 100
128 38.3 29.8 44.6
54 47.2 45.8 68.8

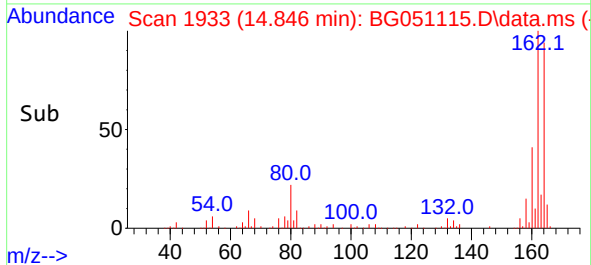
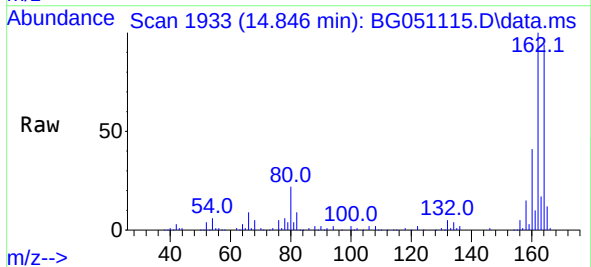
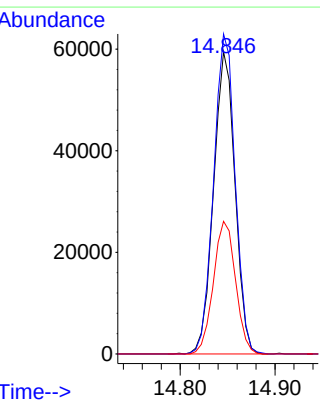
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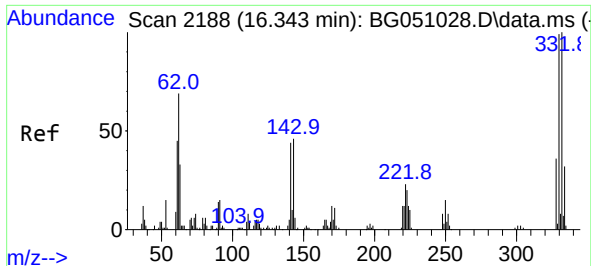
Reviewed By :Jagrut Upadhyay 11/19/2021
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.846 min Scan# 1933
Delta R.T. -0.010 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36

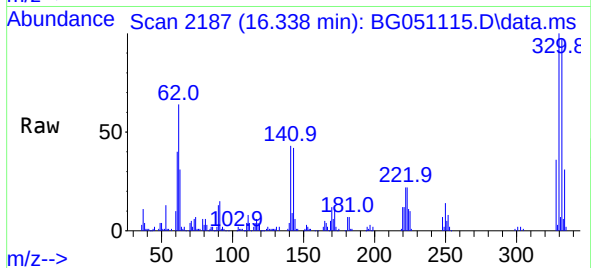
Tgt Ion:164 Resp: 93477
Ion Ratio Lower Upper
164 100
162 105.8 81.4 122.0
160 43.9 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 105.576 ng
RT: 16.338 min Scan# 2188
Delta R.T. -0.005 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36

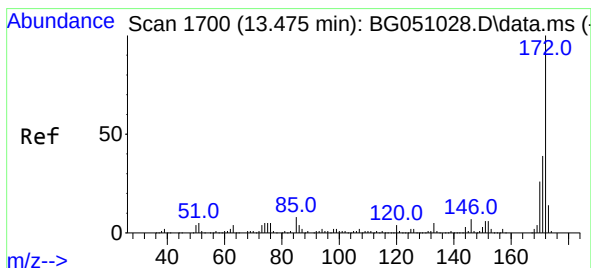
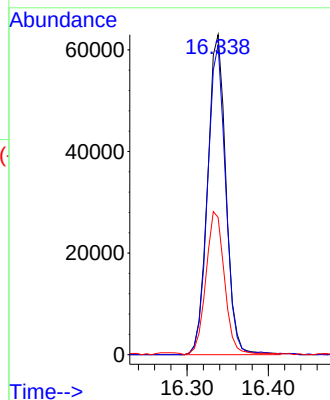
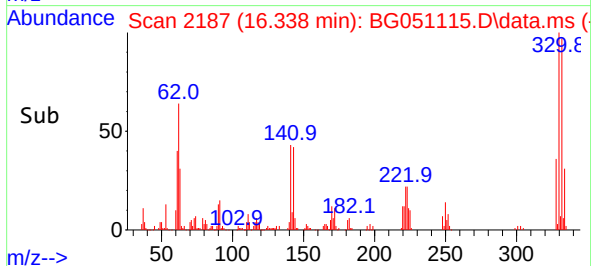
Instrument :
BNA_G
ClientSampleId :
4-COMP



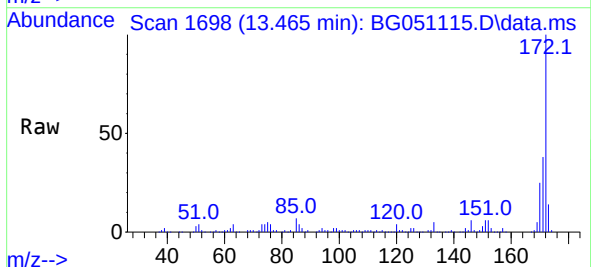
Tgt Ion:330 Resp: 9876
Ion Ratio Lower Upper
330 100
332 95.5 77.3 115.9
141 45.7 35.6 53.4

Manual Integrations
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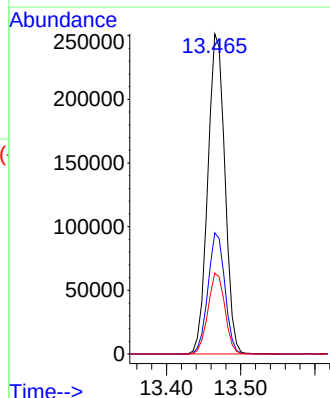
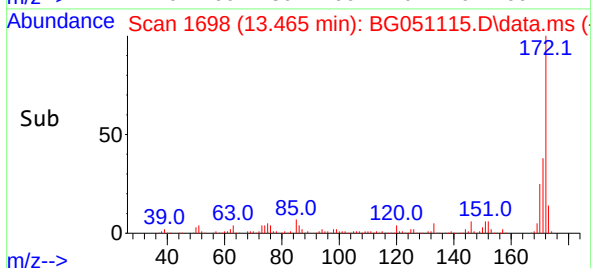
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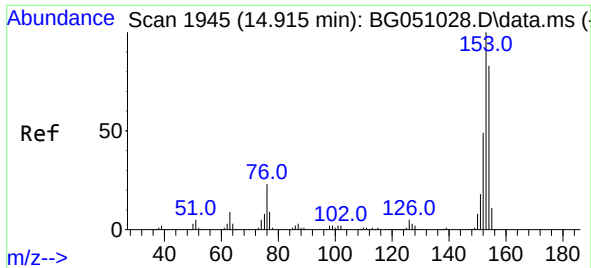


#45
2-Fluorobiphenyl
Concen: 68.059 ng
RT: 13.465 min Scan# 1698
Delta R.T. -0.010 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36



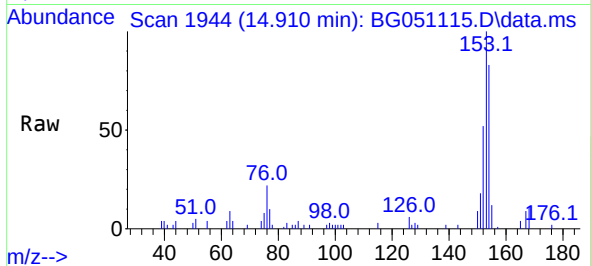
Tgt Ion:172 Resp: 402644
Ion Ratio Lower Upper
172 100
171 37.9 28.6 43.0
170 25.2 18.6 27.8





#52
Acenaphthene
Concen: 2.740 ng
RT: 14.910 min Scan# 1944
Delta R.T. -0.004 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36

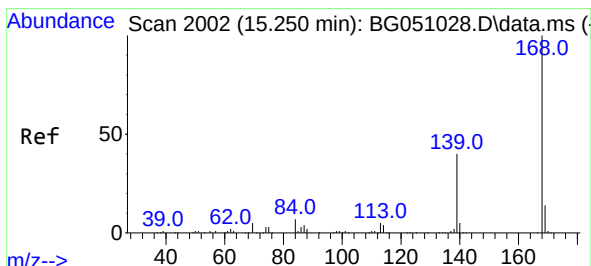
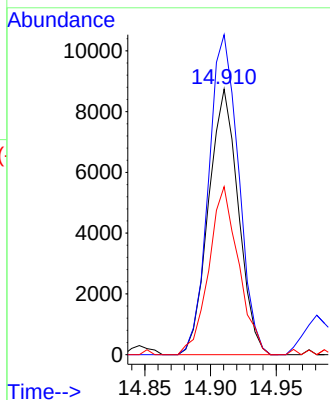
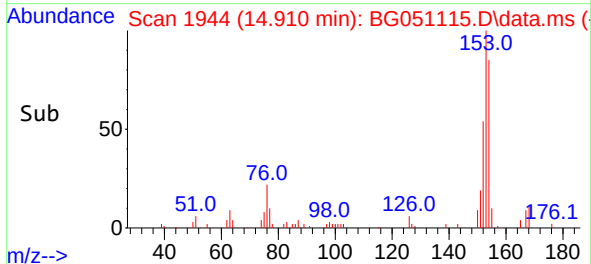
Instrument :
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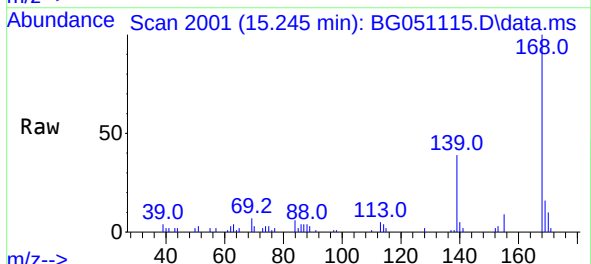
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Ion Ratio Lower Upper
154 100
153 120.5 87.0 130.4
152 63.2 40.1 60.1

Manual Integrations
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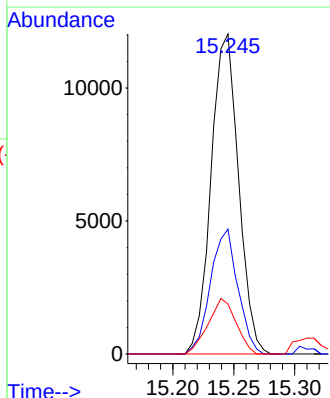
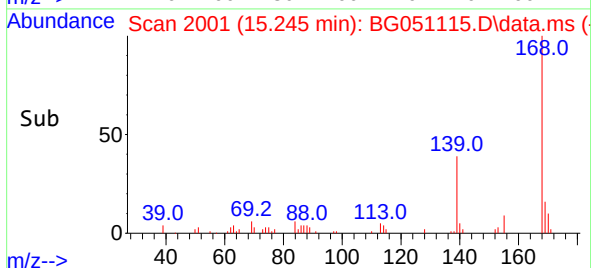
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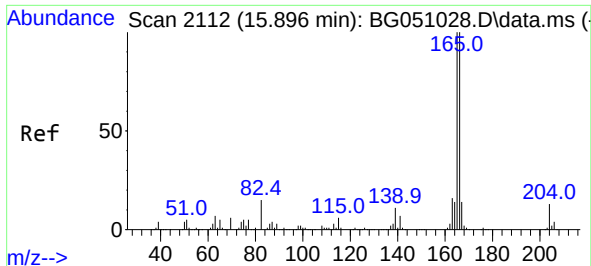


#55
Dibenzofuran
Concen: 2.197 ng
RT: 15.245 min Scan# 2001
Delta R.T. -0.004 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36



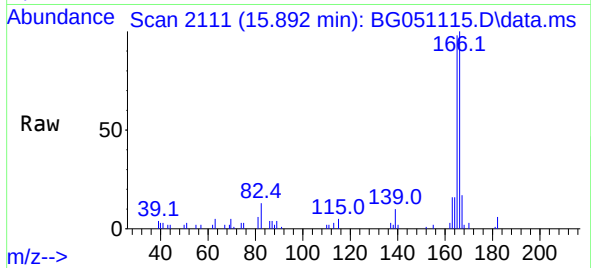
Tgt Ion:168 Resp: 18849
Ion Ratio Lower Upper
168 100
139 39.0 33.4 50.2
169 15.6 12.3 18.5





#58
Fluorene
Concen: 2.661 ng
RT: 15.892 min Scan# 2112
Delta R.T. -0.004 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36

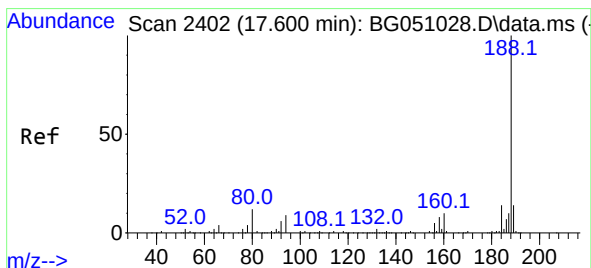
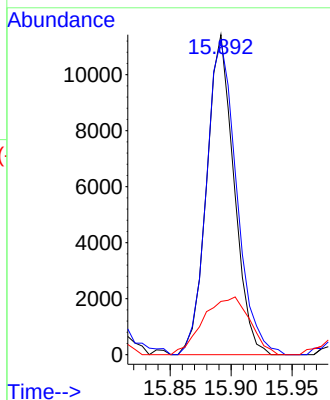
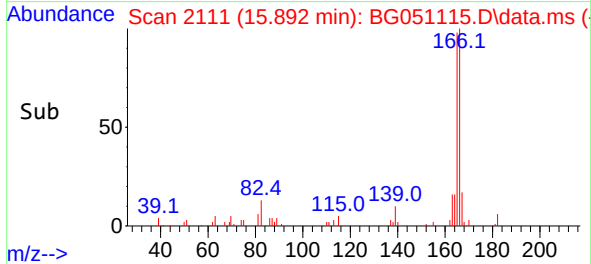
Instrument :
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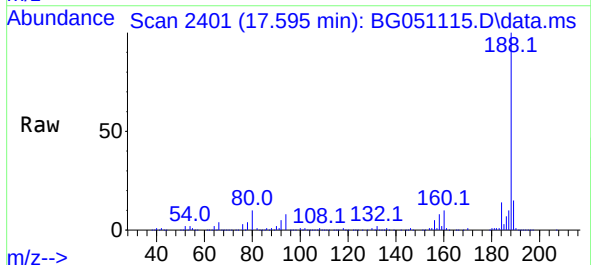
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Ion Ratio Lower Upper
166 100
165 98.1 77.7 116.5
167 16.6 10.8 16.2

Manual Integrations
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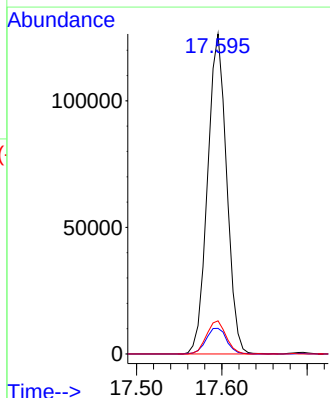
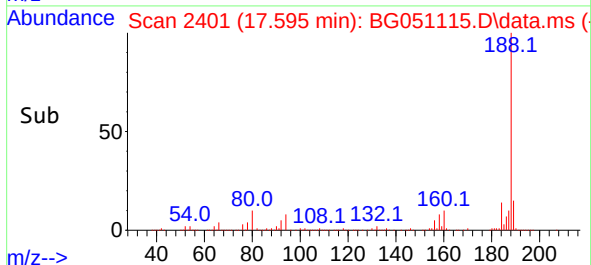
Reviewed By :Jagrut Upadhyay 11/19/2021
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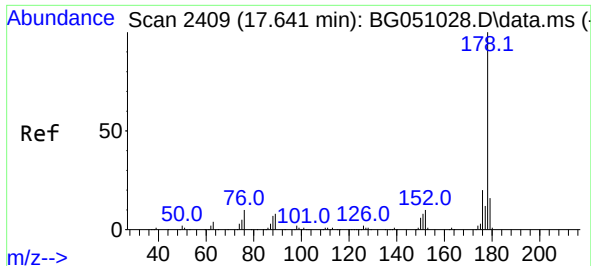


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.595 min Scan# 2401
Delta R.T. -0.004 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36



Tgt Ion:188 Resp: 196285
Ion Ratio Lower Upper
188 100
94 8.0 5.4 8.0
80 10.3 3.7 5.5





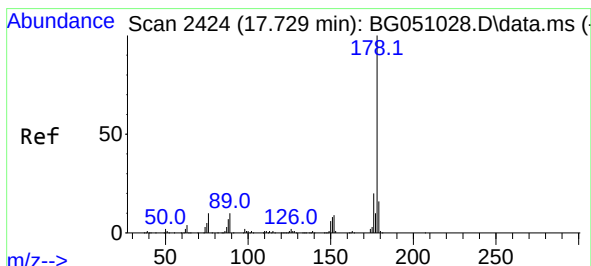
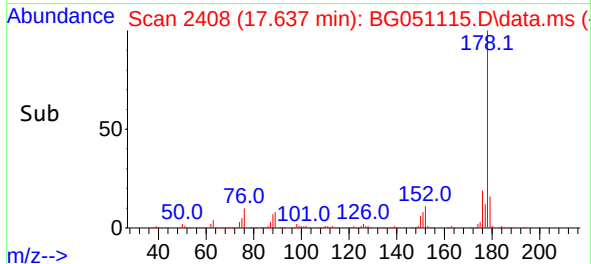
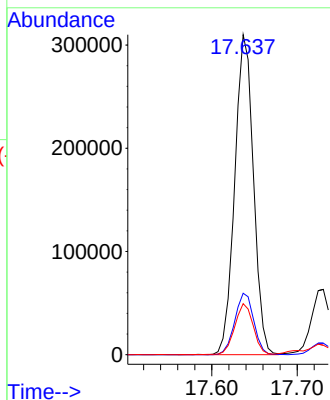
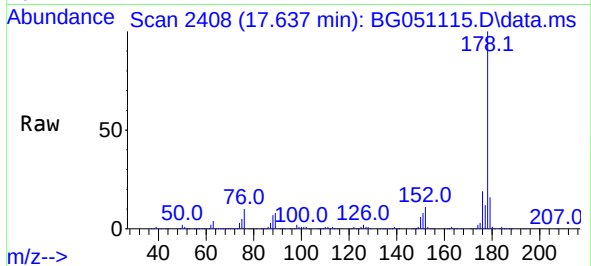
#71
Phenanthrene
Concen: 45.186 ng
RT: 17.637 min Scan# 2409
Delta R.T. -0.004 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36

Instrument :
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ClientSampleId :
4-COMP

Tgt Ion:178 Resp: 473099
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 15.9 14.2 21.4

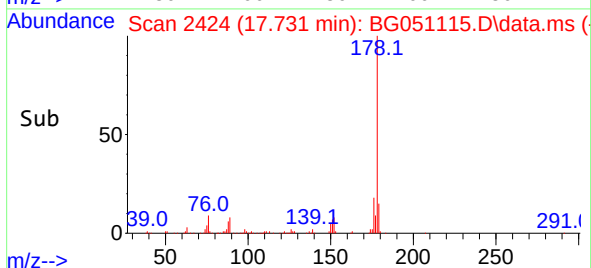
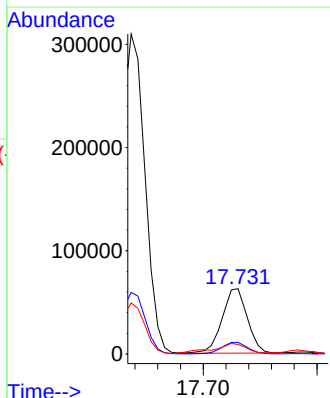
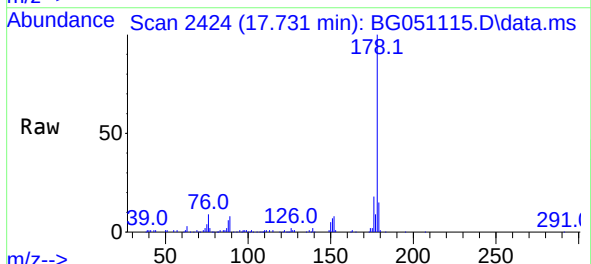
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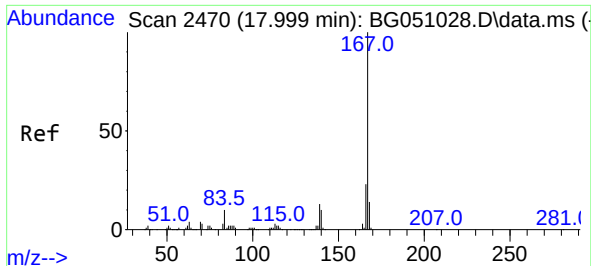
Reviewed By :Jagrut Upadhyay 11/19/2021
Supervised By :mohammad ahmed 11/29/2021



#72
Anthracene
Concen: 9.225 ng
RT: 17.731 min Scan# 2424
Delta R.T. 0.001 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36

Tgt Ion:178 Resp: 96061
Ion Ratio Lower Upper
178 100
176 17.8 14.6 21.8
179 14.5 13.4 20.0





#73
 Carbazole
 Concen: 4.839 ng
 RT: 18.001 min Scan# 2470
 Delta R.T. 0.001 min
 Lab File: BG051115.D
 Acq: 18 Nov 2021 21:36

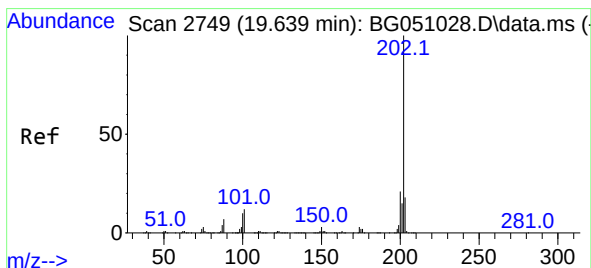
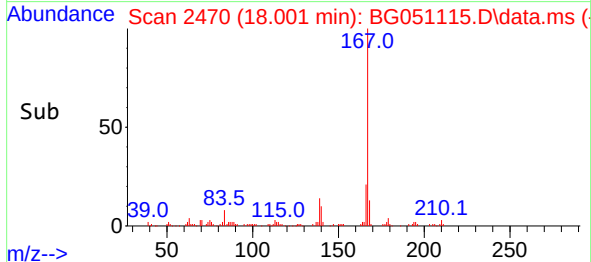
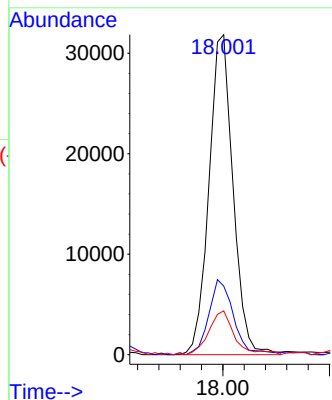
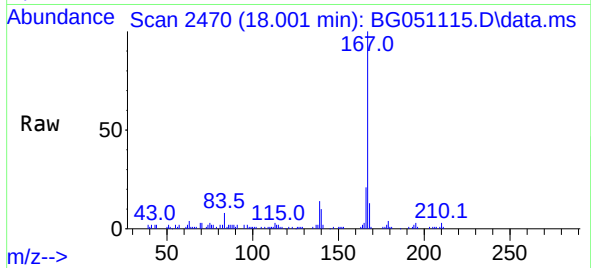
Instrument :
 BNA_G
 ClientSampleId :
 4-COMP

Tgt Ion:167 Resp: 49900

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.4	26.2
139	13.7	10.7	16.1

Manual Integrations
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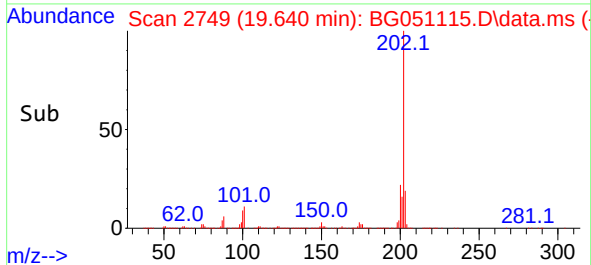
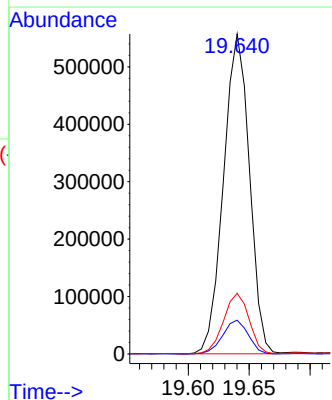
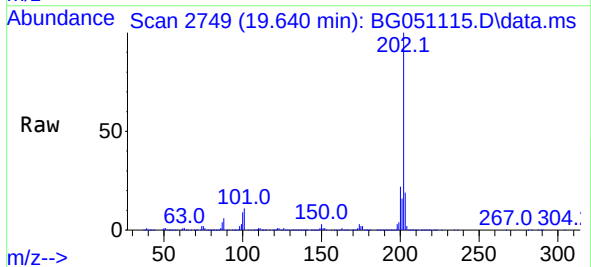
Reviewed By :Jagrut Upadhyay 11/19/2021
 Supervised By :mohammad ahmed 11/29/2021

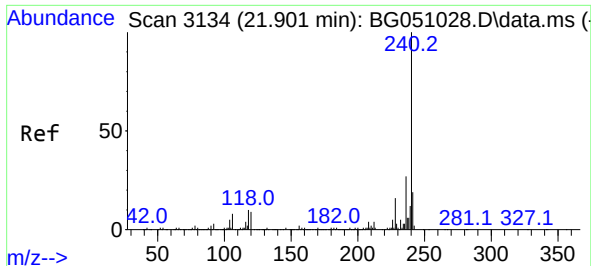


#75
 Fluoranthene
 Concen: 64.155 ng
 RT: 19.640 min Scan# 2749
 Delta R.T. 0.001 min
 Lab File: BG051115.D
 Acq: 18 Nov 2021 21:36

Tgt Ion:202 Resp: 824078

Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	24.7
203	18.9	0.0	38.5





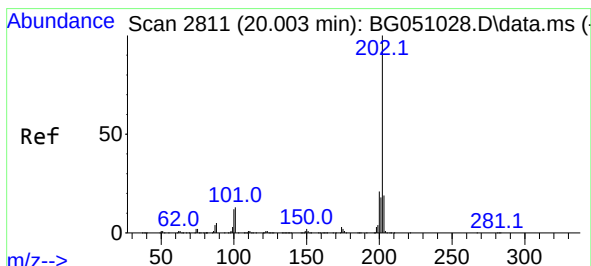
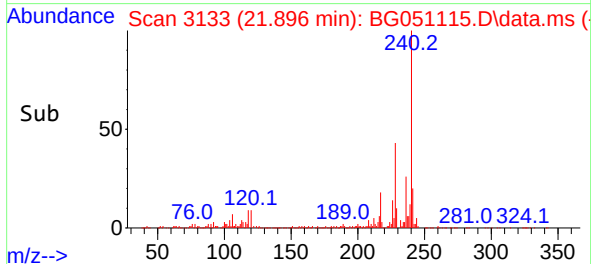
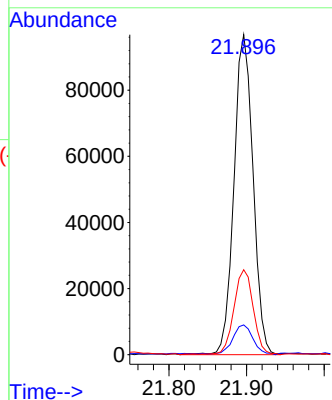
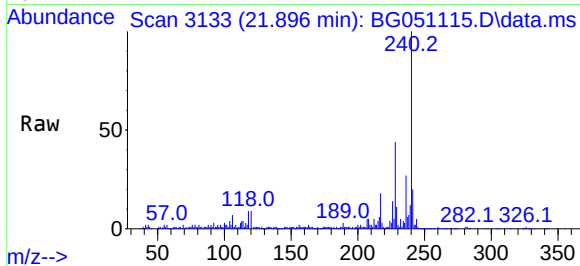
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.896 min Scan# 3134
Delta R.T. -0.004 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36

Instrument :
BNA_G
ClientSampleId :
4-COMP

Tgt Ion:240 Resp: 165574
Ion Ratio Lower Upper
240 100
120 9.3 4.2 6.2
236 26.6 21.8 32.6

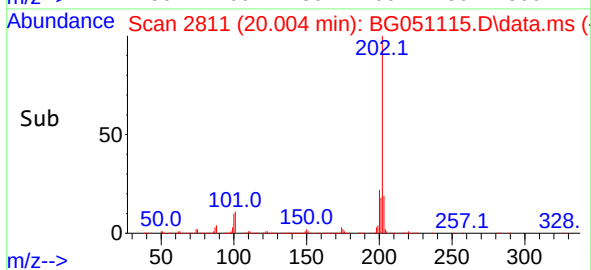
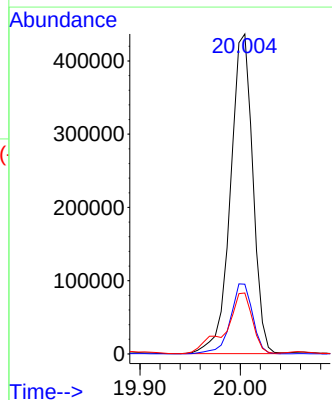
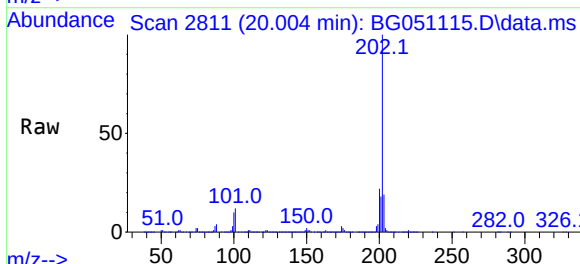
Manual Integrations
APPROVED

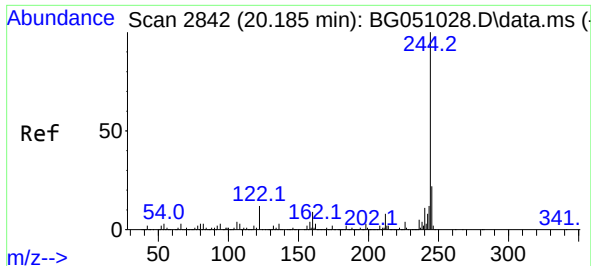
Reviewed By :Jagrut Upadhyay 11/19/2021
Supervised By :mohammad ahmed 11/29/2021



#78
Pyrene
Concen: 54.358 ng
RT: 20.004 min Scan# 2811
Delta R.T. 0.001 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36

Tgt Ion:202 Resp: 675197
Ion Ratio Lower Upper
202 100
200 21.8 15.8 23.8
203 19.1 14.6 21.8





#79
 Terphenyl-d14
 Concen: 62.912 ng
 RT: 20.181 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BG051115.D
 Acq: 18 Nov 2021 21:36

Instrument :

BNA_G

ClientSampleId :

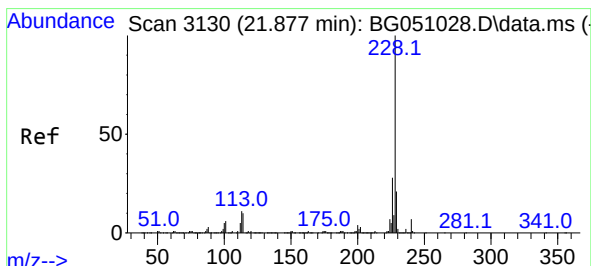
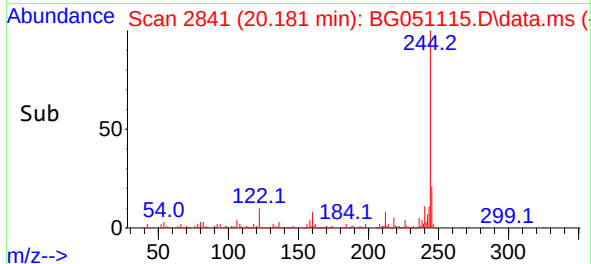
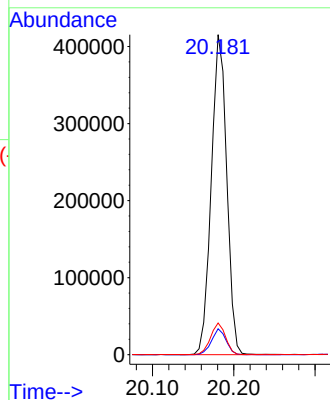
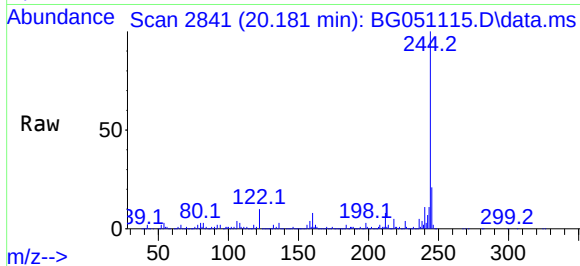
4-COMP

Tgt Ion:244 Resp: 54700
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.9 10.3
 122 9.9 5.0 7.6

Manual Integrations

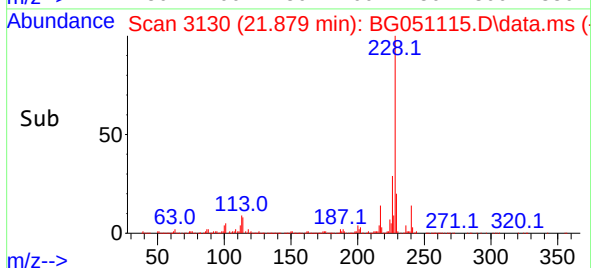
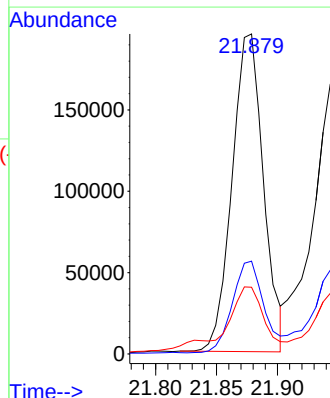
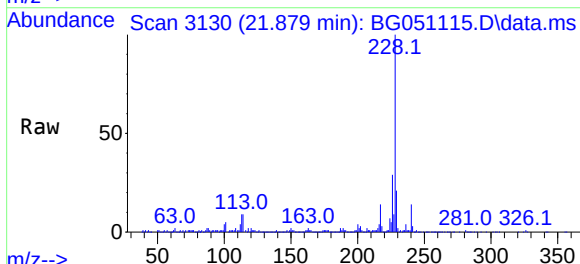
APPROVED

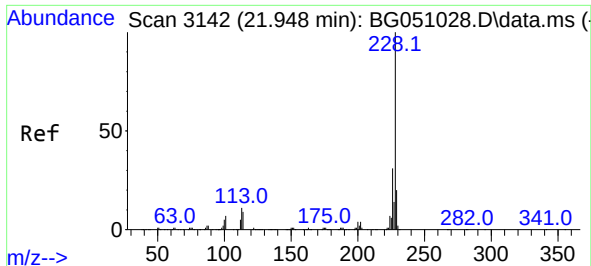
Reviewed By :Jagrut Upadhyay 11/19/2021
 Supervised By :mohammad ahmed 11/29/2021



#81
 Benzo(a)anthracene
 Concen: 30.752 ng
 RT: 21.879 min Scan# 3130
 Delta R.T. 0.001 min
 Lab File: BG051115.D
 Acq: 18 Nov 2021 21:36

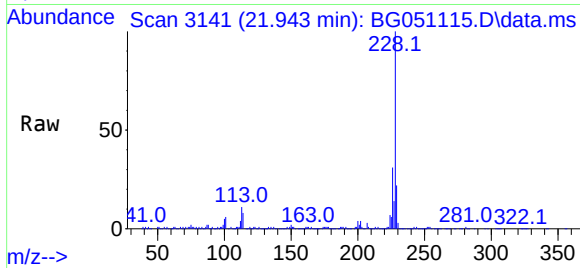
Tgt Ion:228 Resp: 349626
 Ion Ratio Lower Upper
 228 100
 226 29.0 22.7 34.1
 229 20.9 16.0 24.0





#83
Chrysene
Concen: 31.353 ng m
RT: 21.943 min Scan# 3142
Delta R.T. -0.004 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36

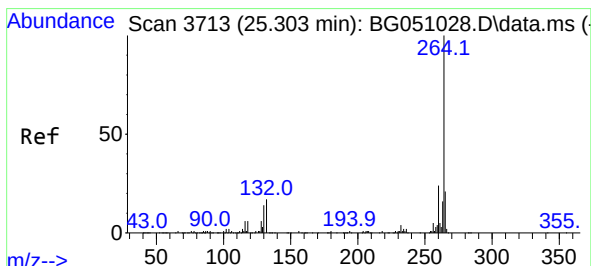
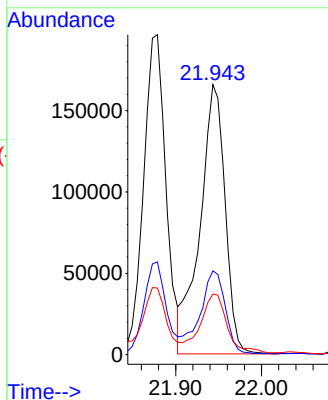
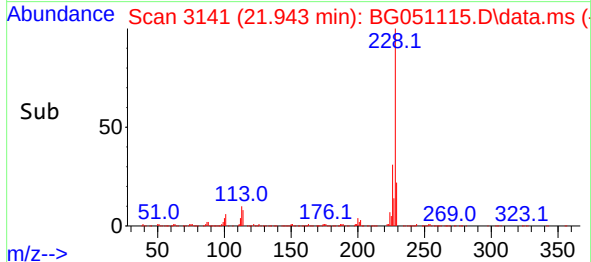
Instrument :
BNA_G
ClientSampleId :
4-COMP



Tgt Ion:228 Resp: 33626
Ion Ratio Lower Upper
228 100
226 31.0 23.1 34.7
229 22.5 15.3 22.9

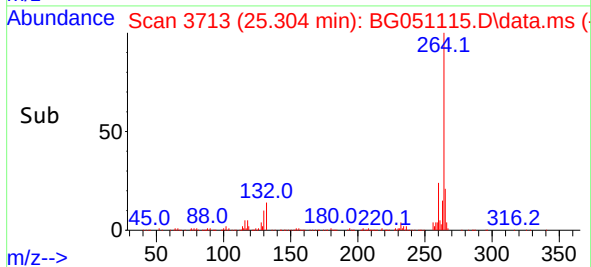
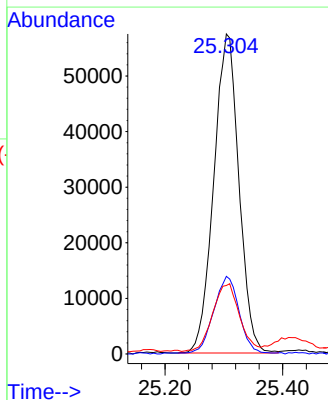
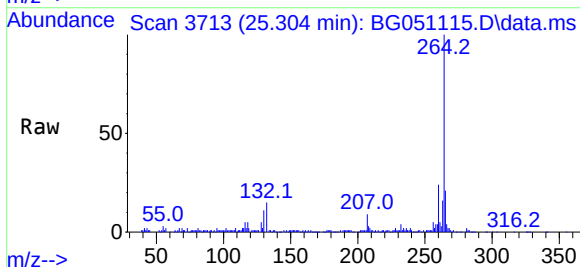
Manual Integrations
APPROVED

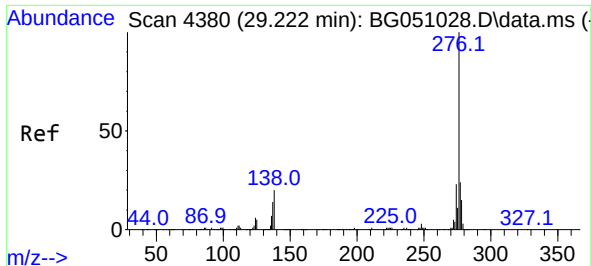
Reviewed By :Jagrut Upadhyay 11/19/2021
Supervised By :mohammad ahmed 11/29/2021



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.304 min Scan# 3713
Delta R.T. 0.001 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36

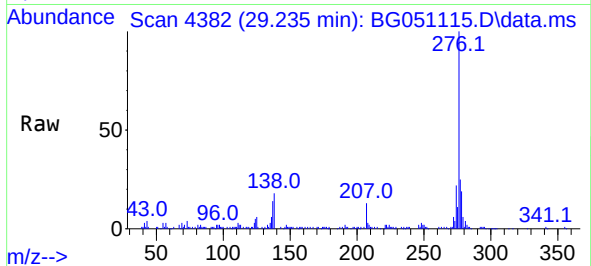
Tgt Ion:264 Resp: 170326
Ion Ratio Lower Upper
264 100
260 24.3 19.4 29.2
265 21.4 16.9 25.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 15.389 ng
RT: 29.235 min Scan# 4382
Delta R.T. 0.013 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36

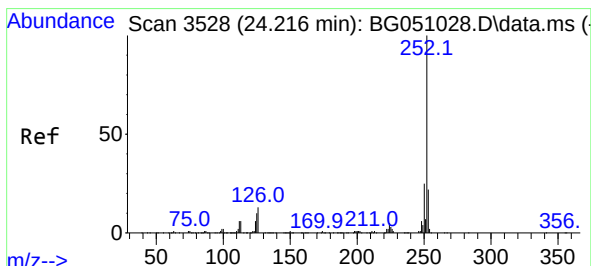
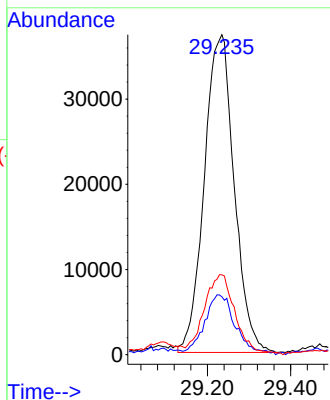
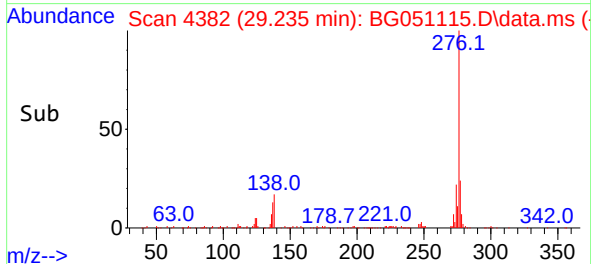
Instrument :
BNA_G
ClientSampleId :
4-COMP



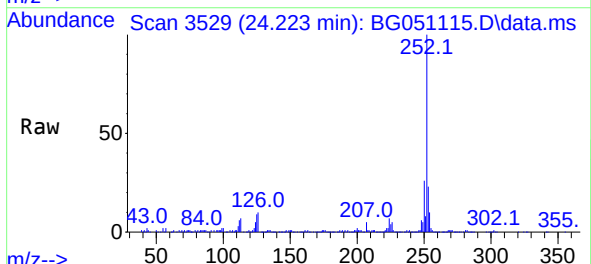
Tgt Ion:276 Resp: 186049
Ion Ratio Lower Upper
276 100
138 19.6 5.1 7.7
277 26.4 19.8 29.6

Manual Integrations
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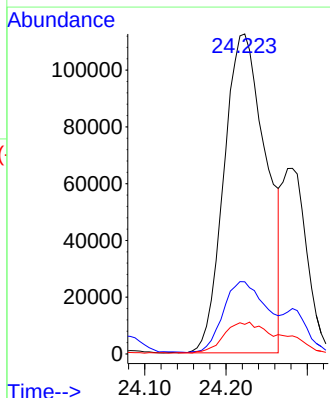
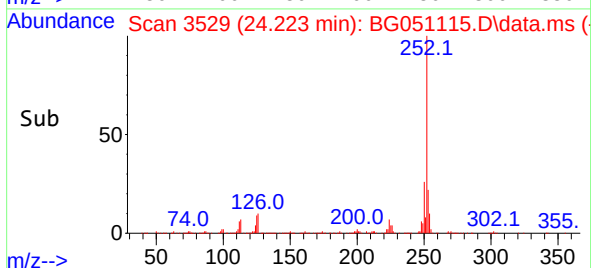
Reviewed By :Jagrut Upadhyay 11/19/2021
Supervised By :mohammad ahmed 11/29/2021

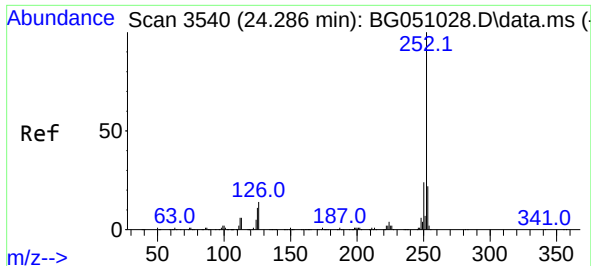


#88
Benzo(b)fluoranthene
Concen: 37.739 ng
RT: 24.223 min Scan# 3529
Delta R.T. 0.007 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36



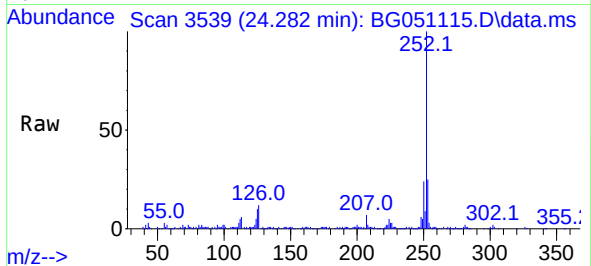
Tgt Ion:252 Resp: 404613
Ion Ratio Lower Upper
252 100
253 22.6 16.2 24.4
125 9.3 3.0 4.4





#89
Benzo(k)fluoranthene
Concen: 12.811 ng m
RT: 24.282 min Scan# 3539
Delta R.T. -0.004 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36

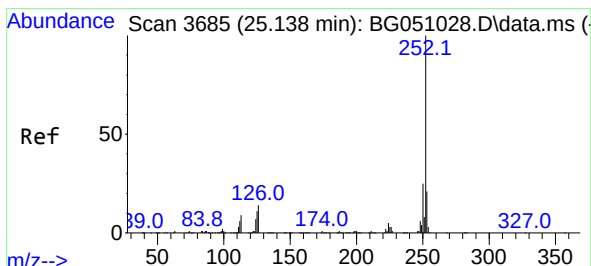
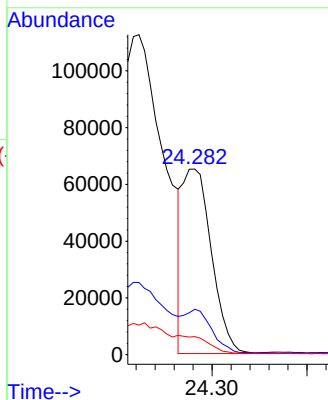
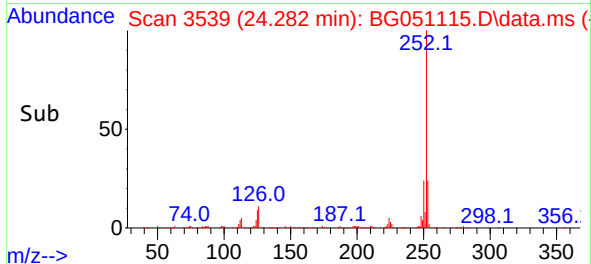
Instrument :
BNA_G
ClientSampleId :
4-COMP



Tgt Ion:252 Resp: 136985
Ion Ratio Lower Upper
252 100
253 24.5 18.0 27.0
125 9.7 3.1 4.7

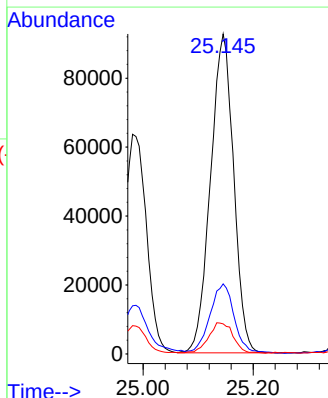
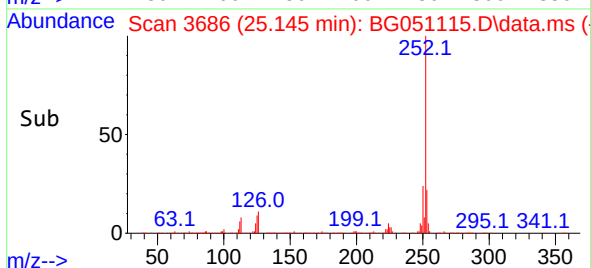
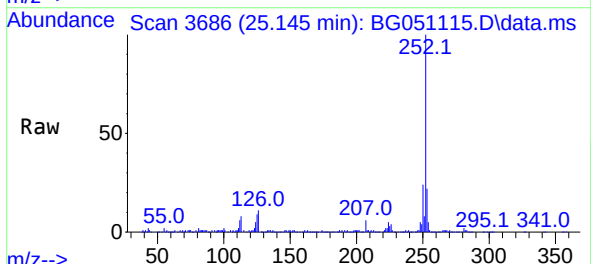
Manual Integrations
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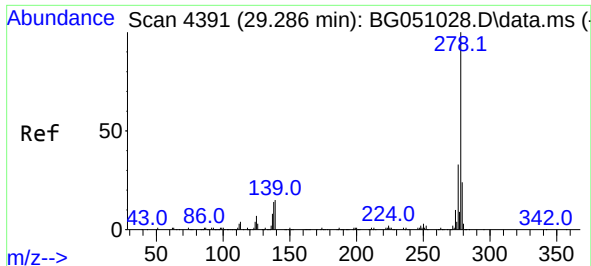
Reviewed By :Jagrut Upadhyay 11/19/2021
Supervised By :mohammad ahmed 11/29/2021



#90
Benzo(a)pyrene
Concen: 29.463 ng
RT: 25.145 min Scan# 3686
Delta R.T. 0.007 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36

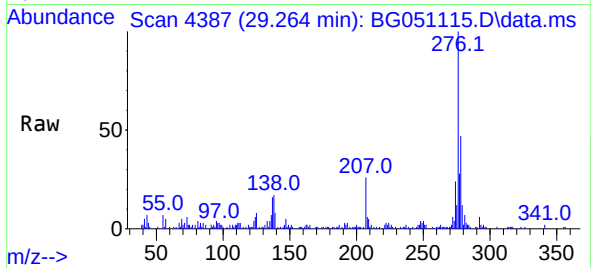
Tgt Ion:252 Resp: 269677
Ion Ratio Lower Upper
252 100
253 21.9 16.6 25.0
125 9.4 3.5 5.3





#91
Dibenzo(a,h)anthracene
Concen: 5.244 ng
RT: 29.264 min Scan# 4391
Delta R.T. -0.022 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36

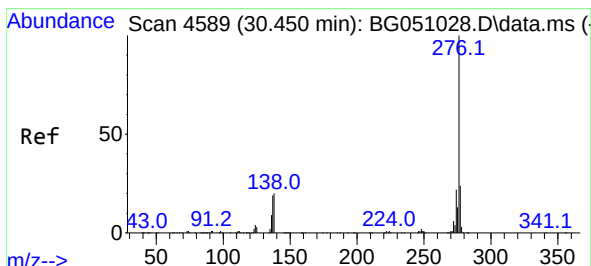
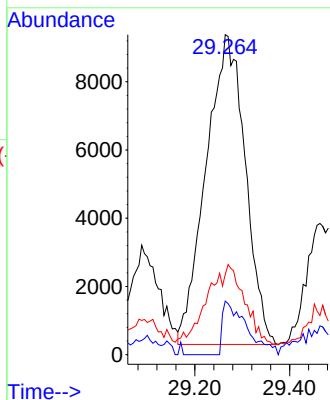
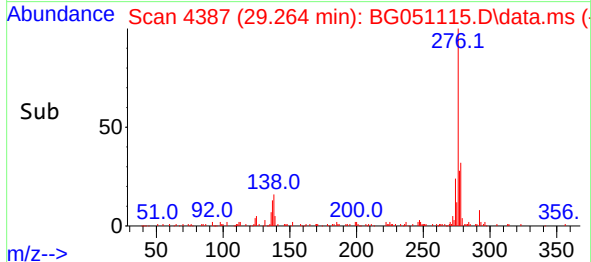
Instrument :
BNA_G
ClientSampleId :
4-COMP



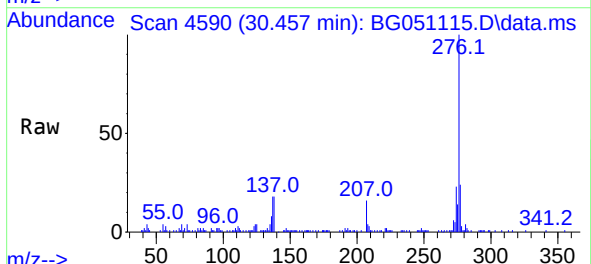
Tgt Ion:278 Resp: 5219
Ion Ratio Lower Upper
278 100
139 16.8 4.6 6.8
279 25.1 17.9 26.9

Manual Integrations
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Reviewed By :Jagrut Upadhyay 11/19/2021
Supervised By :mohammad ahmed 11/29/2021



#92
Benzo(g,h,i)perylene
Concen: 17.092 ng
RT: 30.457 min Scan# 4590
Delta R.T. 0.007 min
Lab File: BG051115.D
Acq: 18 Nov 2021 21:36



Tgt Ion:276 Resp: 167423
Ion Ratio Lower Upper
276 100
277 23.7 18.4 27.6
138 17.8 7.0 10.6

