

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
 Data File : BG051116.D
 Acq On : 18 Nov 2021 22:18
 Operator : CG/JU
 Sample : M4707-29
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 3-COMP

Manual Integrations
 APPROVED

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

Quant Time: Nov 19 01:38:05 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	8.220	152	32312	20.000	ng	0.00
21) Naphthalene-d8	11.046	136	138457	20.000	ng	# 0.00
39) Acenaphthene-d10	14.847	164	94846	20.000	ng	0.00
64) Phenanthrene-d10	17.597	188	194707	20.000	ng	# 0.00
76) Chrysene-d12	21.904	240	161677	20.000	ng	# 0.00
86) Perylene-d12	25.311	264	170628	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.758	112	204086	94.483	ng	0.00
7) Phenol-d6	7.374	99	279731	91.752	ng	0.00
23) Nitrobenzene-d5	9.395	82	195209	62.411	ng	0.00
42) 2,4,6-Tribromophenol	16.340	330	90243	95.078	ng	0.00
45) 2-Fluorobiphenyl	13.467	172	382975	63.800	ng	0.00
79) Terphenyl-d14	20.182	244	509532	60.016	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.912	154	33236	6.495	ng	90
55) Dibenzofuran	15.241	168	40058	4.602	ng	94
58) Fluorene	15.893	166	51145	7.527	ng	99
71) Phenanthrene	17.638	178	790697	76.133	ng	98
72) Anthracene	17.732	178	156850	15.185	ng	98
73) Carbazole	17.997	167	86879	8.493	ng	98
75) Fluoranthene	19.642	202	1331186	104.474	ng	92
78) Pyrene	20.006	202	1158697	95.531	ng	93
81) Benzo(a)anthracene	21.880	228	854391	76.962	ng	98
83) Chrysene	21.951	228	784738m	74.933	ng	
87) Indeno(1,2,3-cd)pyrene	29.248	276	365036	30.141	ng	# 91
88) Benzo(b)fluoranthene	24.236	252	922006	85.845	ng	# 92
89) Benzo(k)fluoranthene	24.295	252	300309m	28.035	ng	
90) Benzo(a)pyrene	25.159	252	612273	66.774	ng	# 90
91) Dibenzo(a,h)anthracene	29.283	278	123147	12.350	ng	# 88
92) Benzo(g,h,i)perylene	30.482	276	322772	32.893	ng	# 91

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

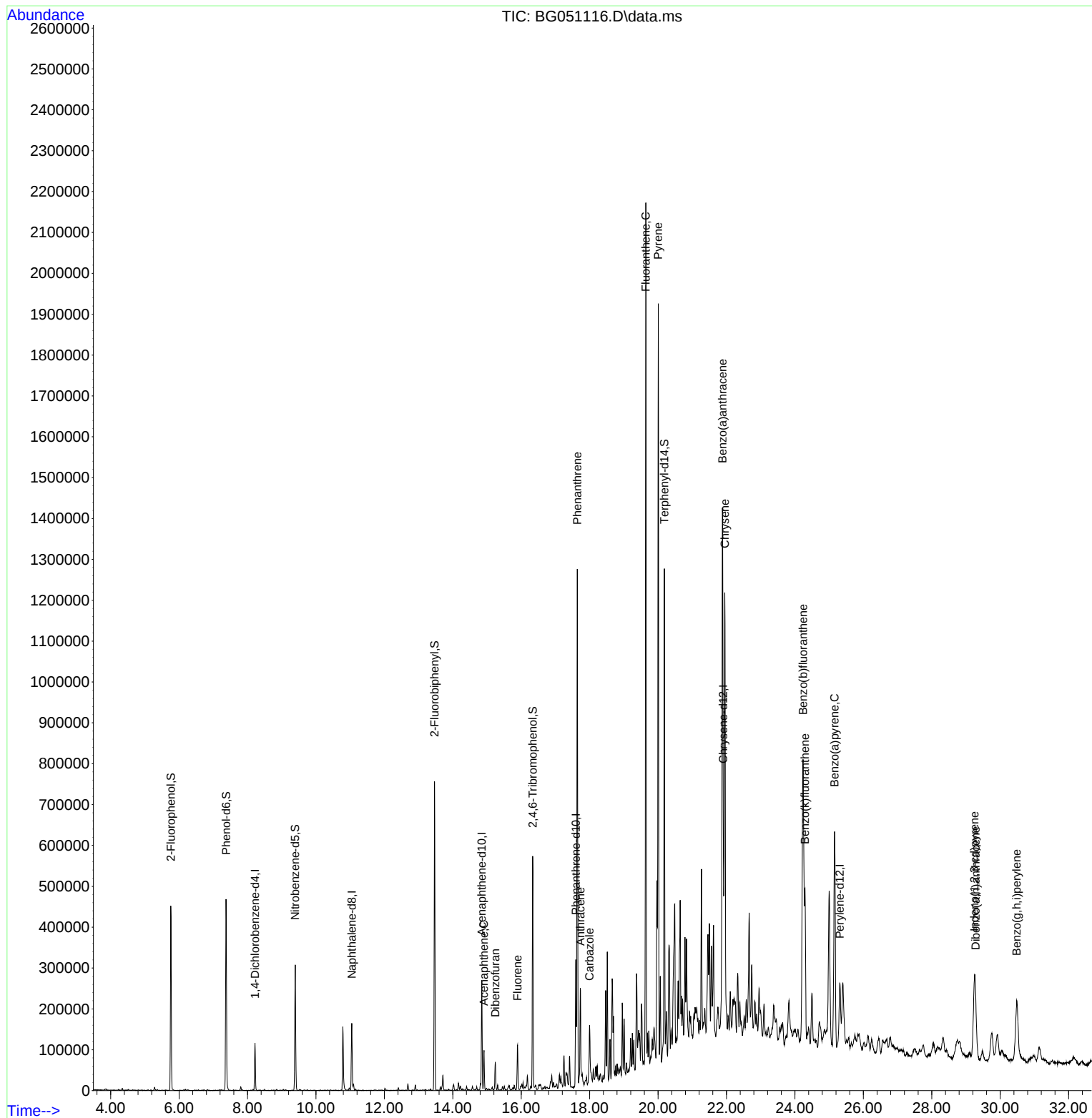
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
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Acq On : 18 Nov 2021 22:18
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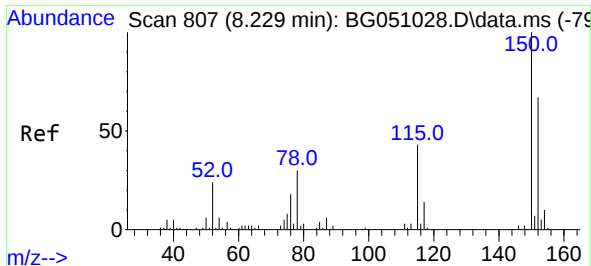
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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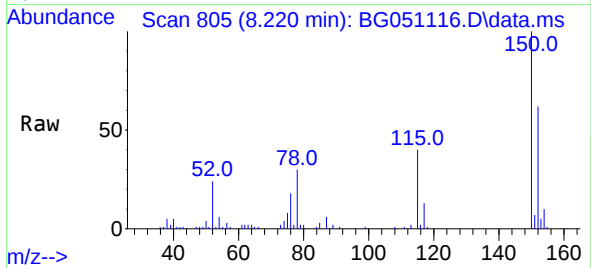
Reviewed By :Jagrut Upadhyay 11/19/2021
Supervised By :mohammad ahmed 11/29/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.220 min Scan# 807
Delta R.T. -0.009 min
Lab File: BG051116.D
Acq: 18 Nov 2021 22:18

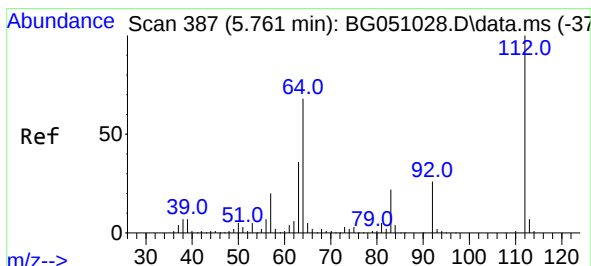
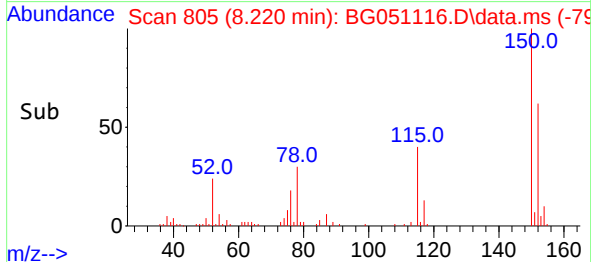
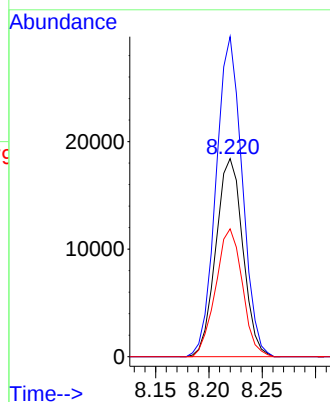
Instrument :
BNA_G
ClientSampleId :
3-COMP



Tgt Ion:152 Resp: 32312
Ion Ratio Lower Upper
152 100
150 161.6 119.4 179.0
115 64.6 60.2 90.4

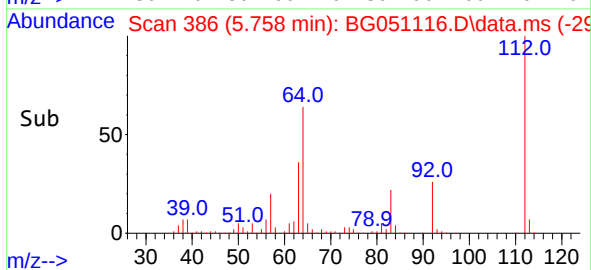
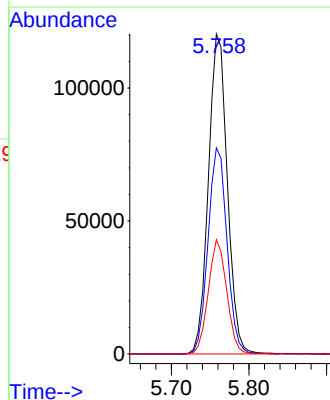
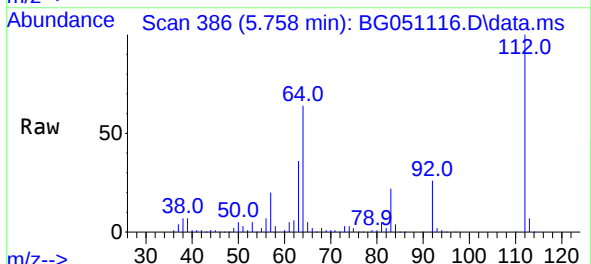
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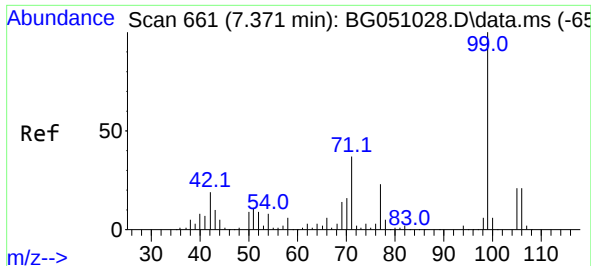
Reviewed By :Jagrut Upadhyay 11/19/2021
Supervised By :mohammad ahmed 11/29/2021



#5
2-Fluorophenol
Concen: 94.483 ng
RT: 5.758 min Scan# 386
Delta R.T. -0.003 min
Lab File: BG051116.D
Acq: 18 Nov 2021 22:18

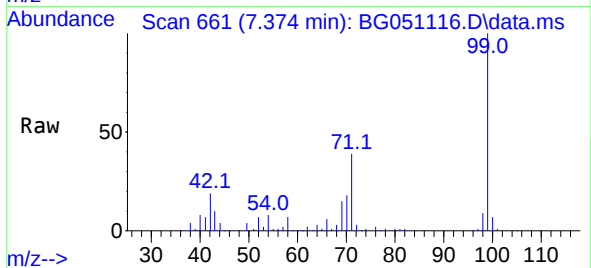
Tgt Ion:112 Resp: 204086
Ion Ratio Lower Upper
112 100
64 64.4 46.7 70.1
63 35.7 35.3 52.9





#7
Phenol-d6
Concen: 91.752 ng
RT: 7.374 min Scan# 60
Delta R.T. 0.003 min
Lab File: BG051116.D
Acq: 18 Nov 2021 22:18

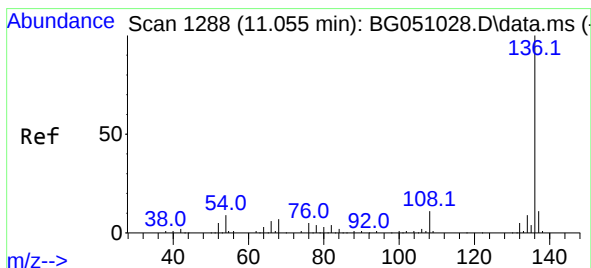
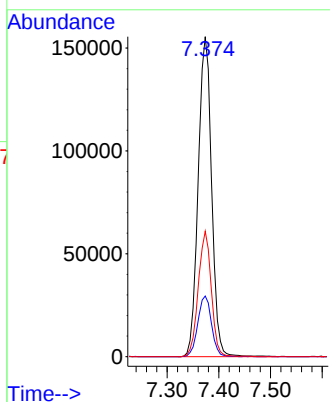
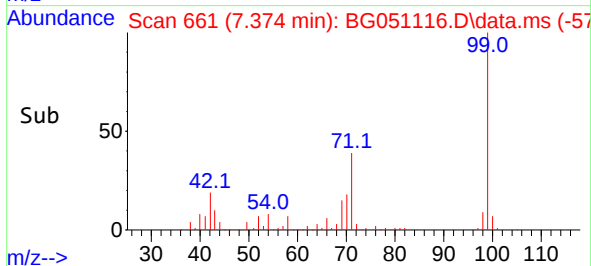
Instrument :
BNA_G
ClientSampleId :
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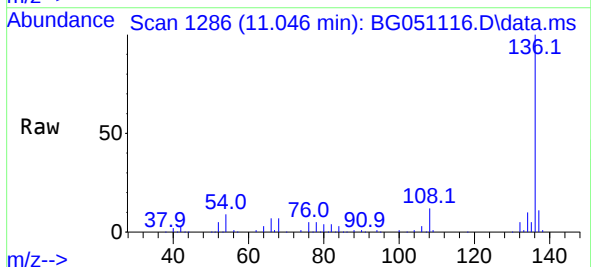
Tgt Ion: 99 Resp: 27973
Ion Ratio Lower Upper
99 100
42 19.0 20.5 30.7
71 39.2 41.5 62.3

Manual Integrations
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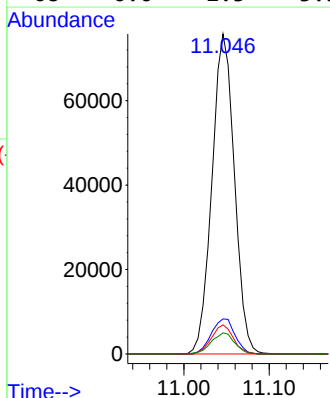
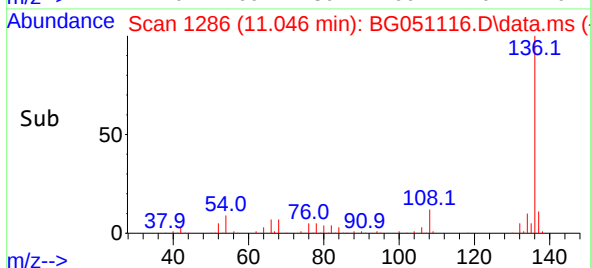
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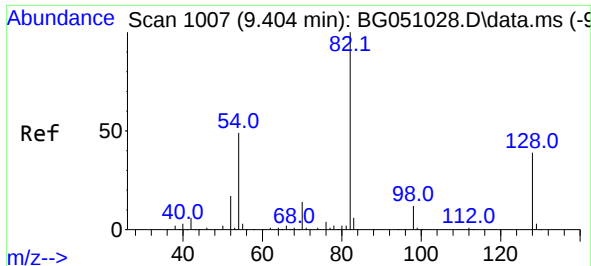


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.046 min Scan# 1286
Delta R.T. -0.009 min
Lab File: BG051116.D
Acq: 18 Nov 2021 22:18



Tgt Ion:136 Resp: 138457
Ion Ratio Lower Upper
136 100
137 10.9 8.2 12.2
54 9.1 5.5 8.3#
68 6.6 2.3 3.5#





#23
Nitrobenzene-d5
Concen: 62.411 ng
RT: 9.395 min Scan# 1005
Delta R.T. -0.009 min
Lab File: BG051116.D
Acq: 18 Nov 2021 22:18

Instrument :

BNA_G

ClientSampleId :

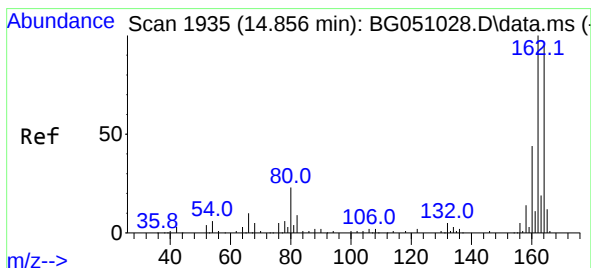
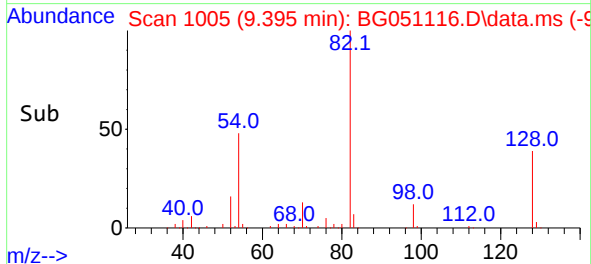
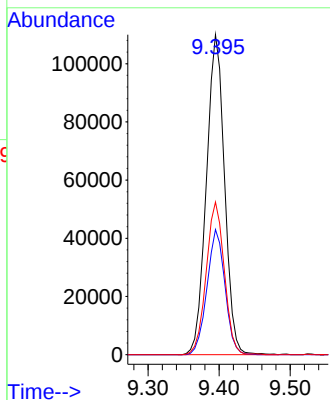
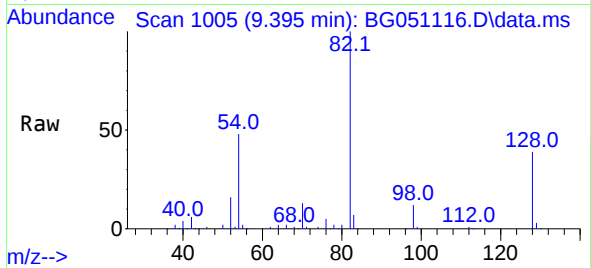
3-COMP

Tgt Ion: 82 Resp: 195209
Ion Ratio Lower Upper
82 100
128 39.1 29.8 44.6
54 47.7 45.8 68.8

Manual Integrations

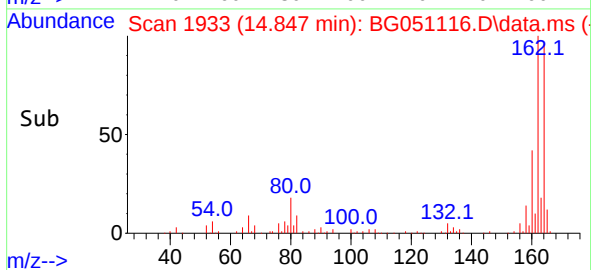
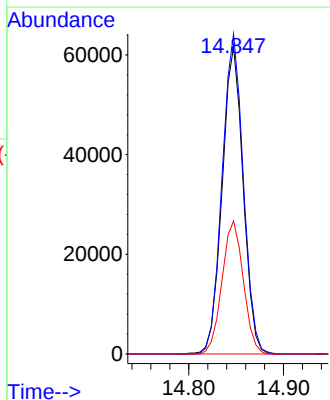
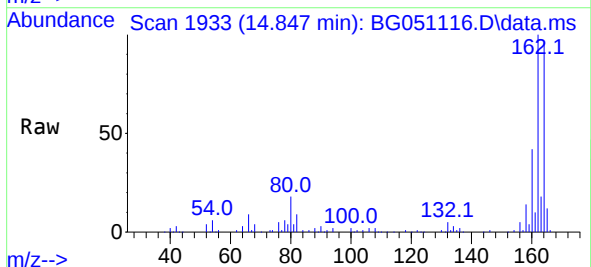
APPROVED

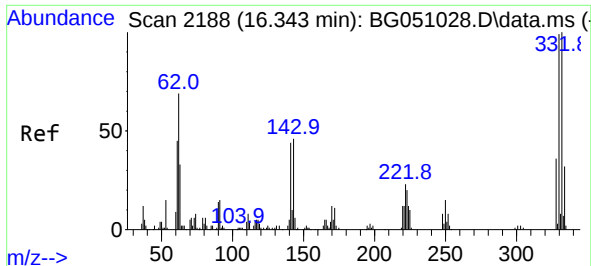
Reviewed By :Jagrut Upadhyay 11/19/2021
Supervised By :mohammad ahmed 11/29/2021



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.847 min Scan# 1933
Delta R.T. -0.009 min
Lab File: BG051116.D
Acq: 18 Nov 2021 22:18

Tgt Ion:164 Resp: 94846
Ion Ratio Lower Upper
164 100
162 104.2 81.4 122.0
160 43.3 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 95.078 ng
RT: 16.340 min Scan# 2188
Delta R.T. -0.003 min
Lab File: BG051116.D
Acq: 18 Nov 2021 22:18

Instrument :

BNA_G

ClientSampleId :

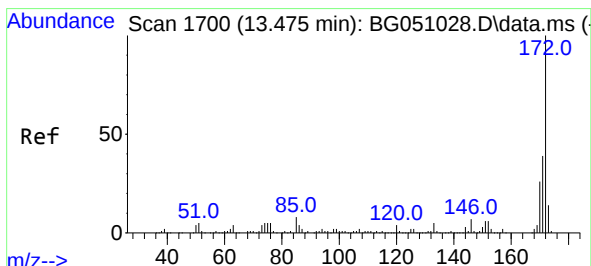
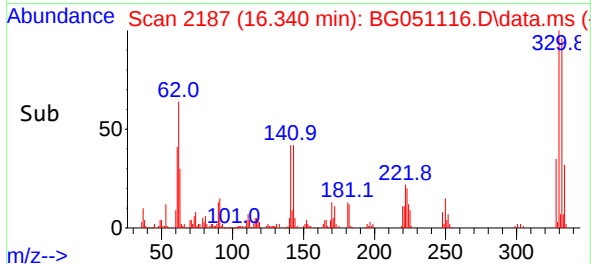
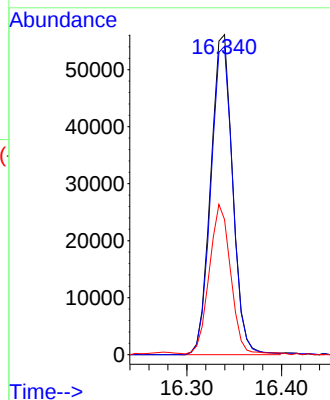
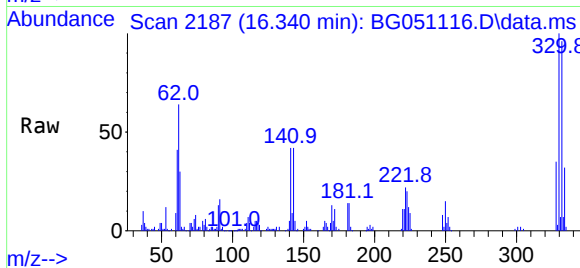
3-COMP

Tgt Ion:330 Resp: 9024
Ion Ratio Lower Upper
330 100
332 96.9 77.3 115.9
141 46.2 35.6 53.4

Manual Integrations

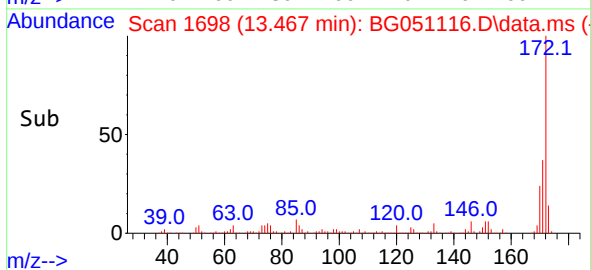
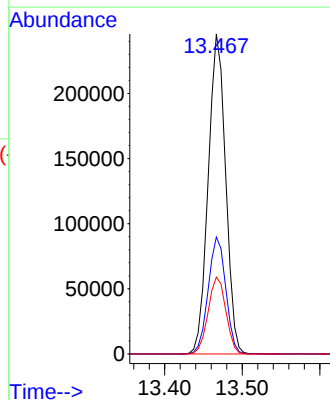
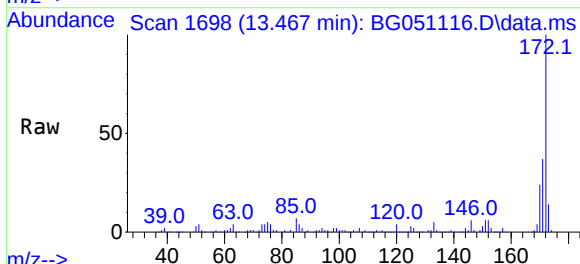
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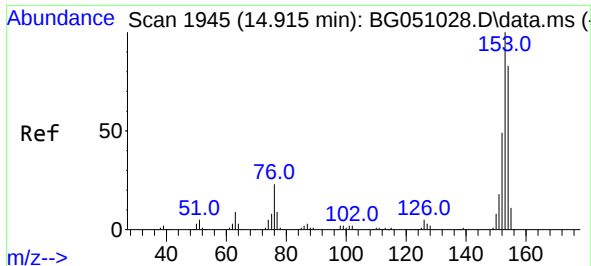
Reviewed By :Jagrut Upadhyay 11/19/2021
Supervised By :mohammad ahmed 11/29/2021



#45
2-Fluorobiphenyl
Concen: 63.800 ng
RT: 13.467 min Scan# 1698
Delta R.T. -0.008 min
Lab File: BG051116.D
Acq: 18 Nov 2021 22:18

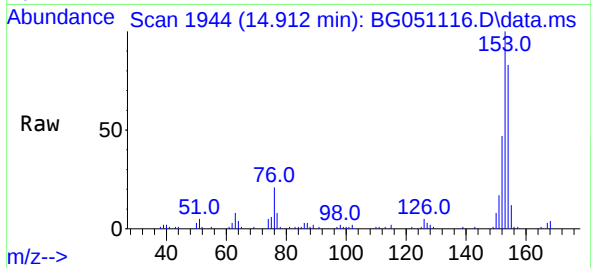
Tgt Ion:172 Resp: 382975
Ion Ratio Lower Upper
172 100
171 36.5 28.6 43.0
170 24.0 18.6 27.8





#52
Acenaphthene
Concen: 6.495 ng
RT: 14.912 min Scan# 1944
Delta R.T. -0.003 min
Lab File: BG051116.D
Acq: 18 Nov 2021 22:18

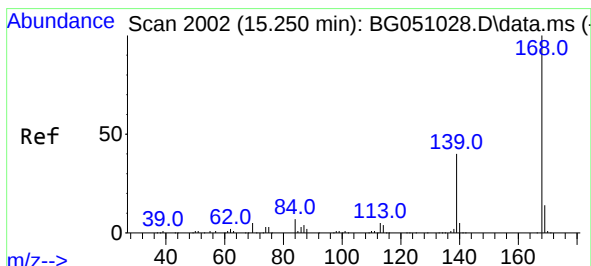
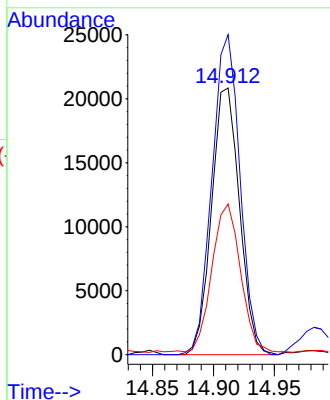
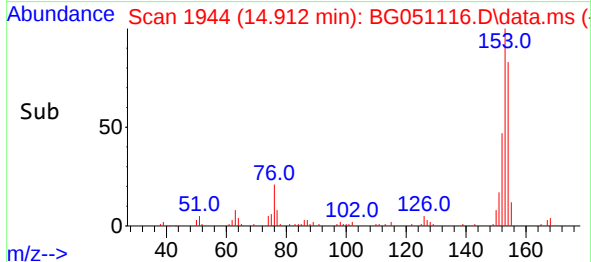
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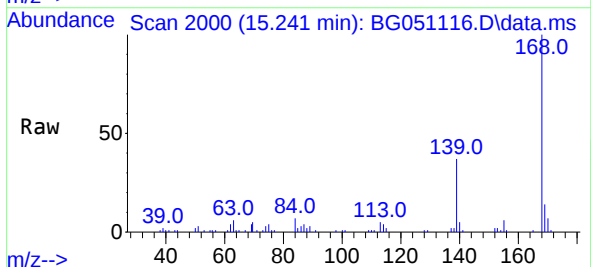
Tgt Ion:154 Resp: 33230
Ion Ratio Lower Upper
154 100
153 120.0 87.0 130.4
152 56.5 40.1 60.1

Manual Integrations
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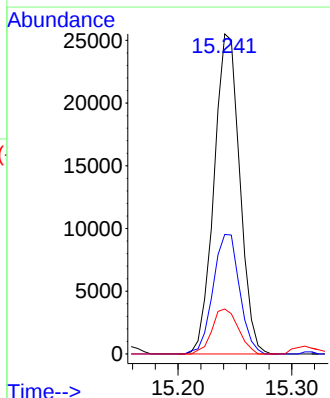
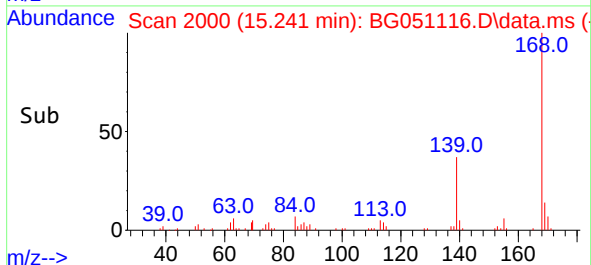
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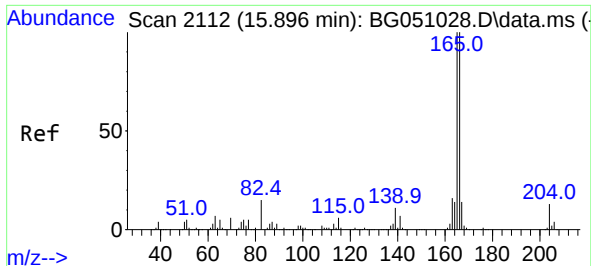


#55
Dibenzofuran
Concen: 4.602 ng
RT: 15.241 min Scan# 2000
Delta R.T. -0.009 min
Lab File: BG051116.D
Acq: 18 Nov 2021 22:18



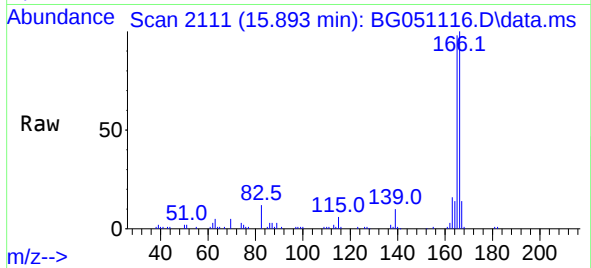
Tgt Ion:168 Resp: 40058
Ion Ratio Lower Upper
168 100
139 37.3 33.4 50.2
169 14.0 12.3 18.5





#58
Fluorene
Concen: 7.527 ng
RT: 15.893 min Scan# 2112
Delta R.T. -0.003 min
Lab File: BG051116.D
Acq: 18 Nov 2021 22:18

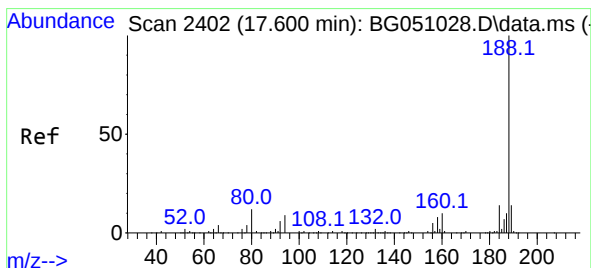
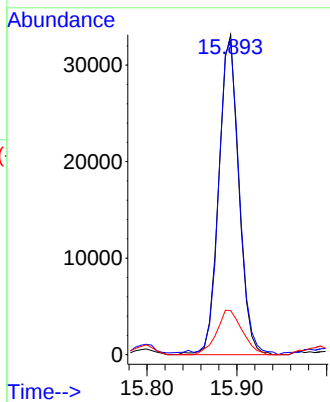
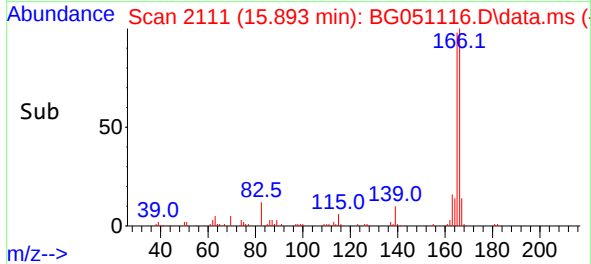
Instrument :
BNA_G
ClientSampleId :
3-COMP



Tgt Ion:166 Resp: 51149
Ion Ratio Lower Upper
166 100
165 98.0 77.7 116.5
167 13.8 10.8 16.2

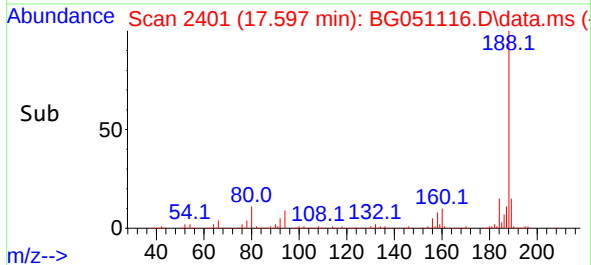
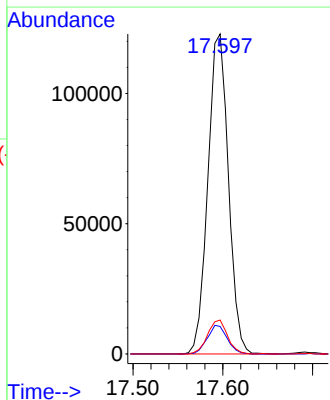
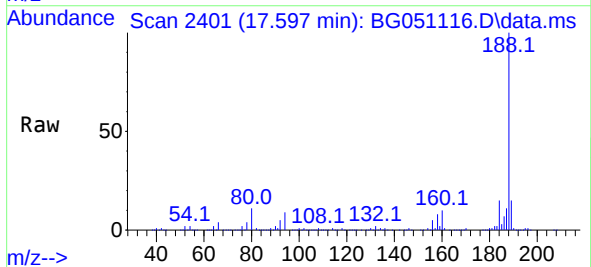
Manual Integrations
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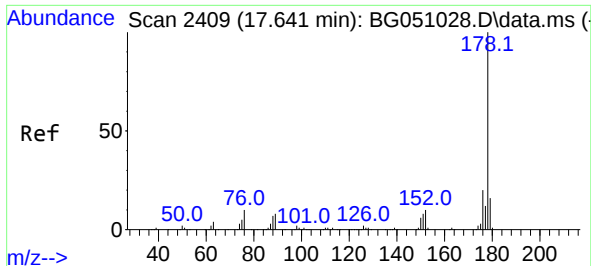
Reviewed By :Jagrut Upadhyay 11/19/2021
Supervised By :mohammad ahmed 11/29/2021



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.597 min Scan# 2401
Delta R.T. -0.003 min
Lab File: BG051116.D
Acq: 18 Nov 2021 22:18

Tgt Ion:188 Resp: 194707
Ion Ratio Lower Upper
188 100
94 8.6 5.4 8.0#
80 10.6 3.7 5.5#





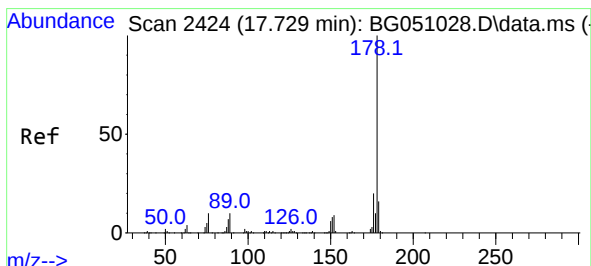
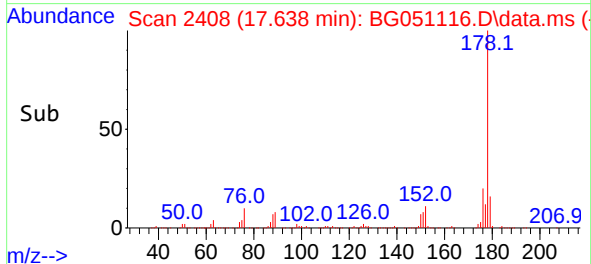
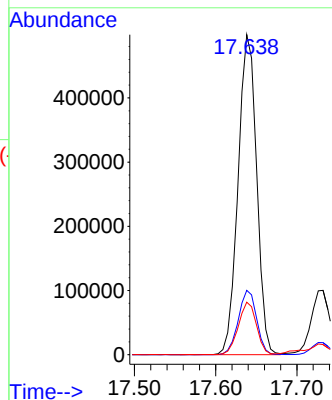
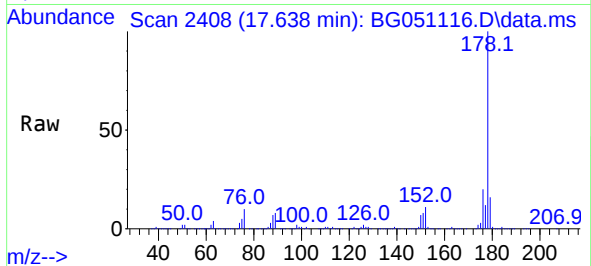
#71
Phenanthrene
Concen: 76.133 ng
RT: 17.638 min Scan# 2409
Delta R.T. -0.003 min
Lab File: BG051116.D
Acq: 18 Nov 2021 22:18

Instrument :
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ClientSampleId :
3-COMP

Tgt Ion:178 Resp: 79069
Ion Ratio Lower Upper
178 100
176 20.1 16.0 24.0
179 16.4 14.2 21.4

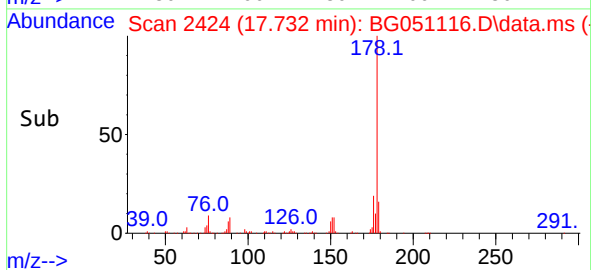
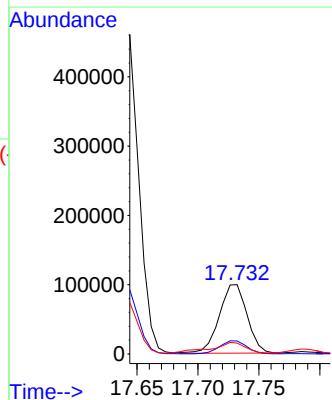
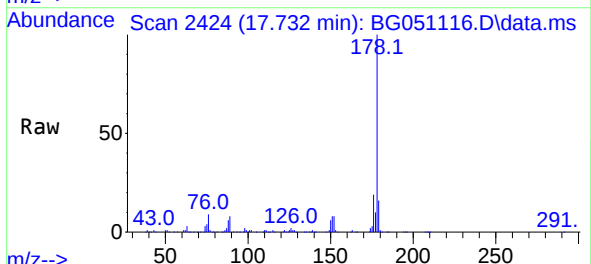
Manual Integrations
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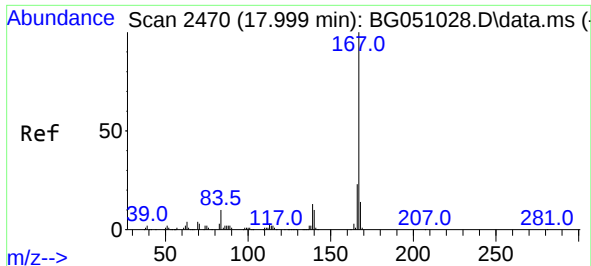
Reviewed By :Jagrut Upadhyay 11/19/2021
Supervised By :mohammad ahmed 11/29/2021



#72
Anthracene
Concen: 15.185 ng
RT: 17.732 min Scan# 2424
Delta R.T. 0.003 min
Lab File: BG051116.D
Acq: 18 Nov 2021 22:18

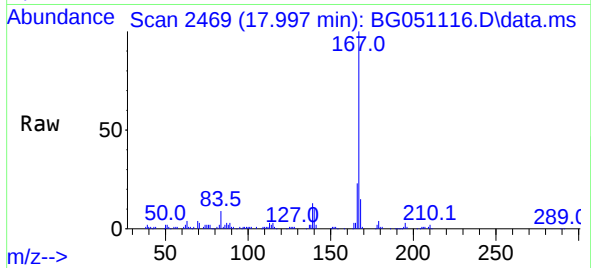
Tgt Ion:178 Resp: 156850
Ion Ratio Lower Upper
178 100
176 18.6 14.6 21.8
179 15.7 13.4 20.0





#73
 Carbazole
 Concen: 8.493 ng
 RT: 17.997 min Scan# 2470
 Delta R.T. -0.003 min
 Lab File: BG051116.D
 Acq: 18 Nov 2021 22:18

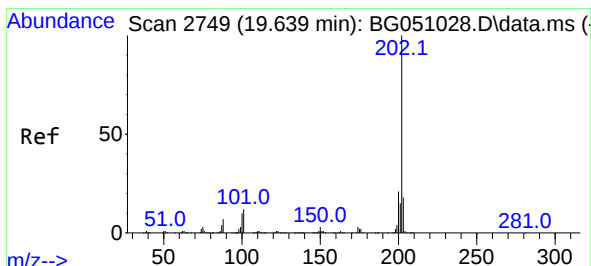
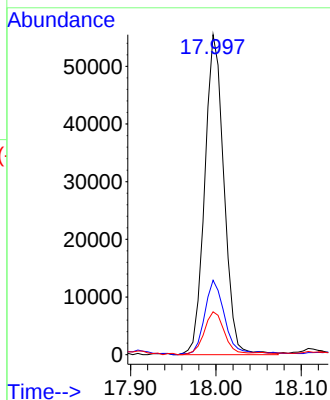
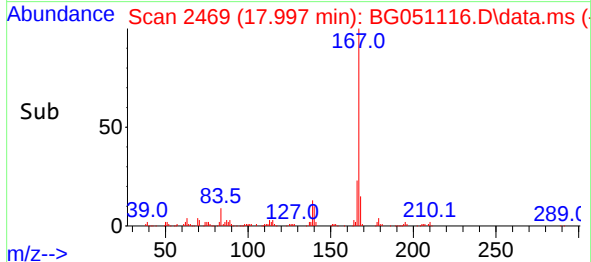
Instrument :
 BNA_G
 ClientSampleId :
 3-COMP



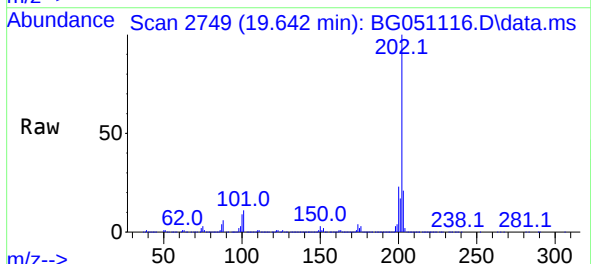
Tgt Ion:167 Resp: 86879
 Ion Ratio Lower Upper
 167 100
 166 23.2 17.4 26.2
 139 13.4 10.7 16.1

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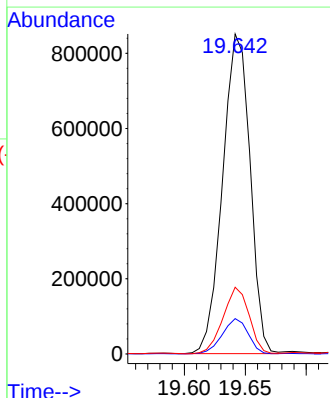
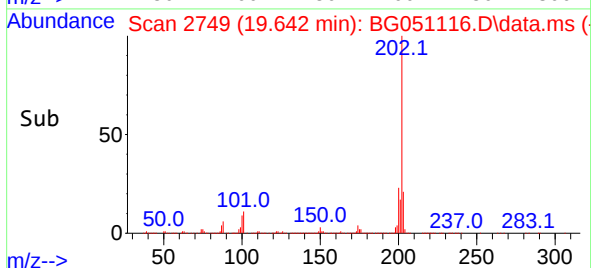
Reviewed By :Jagrut Upadhyay 11/19/2021
 Supervised By :mohammad ahmed 11/29/2021

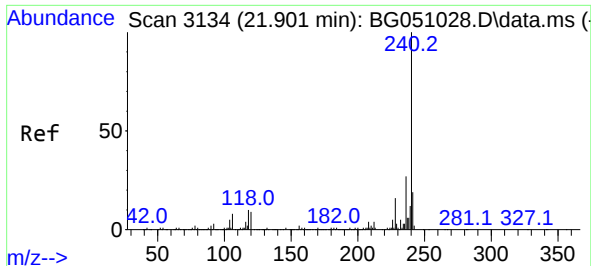


#75
 Fluoranthene
 Concen: 104.474 ng
 RT: 19.642 min Scan# 2749
 Delta R.T. 0.003 min
 Lab File: BG051116.D
 Acq: 18 Nov 2021 22:18



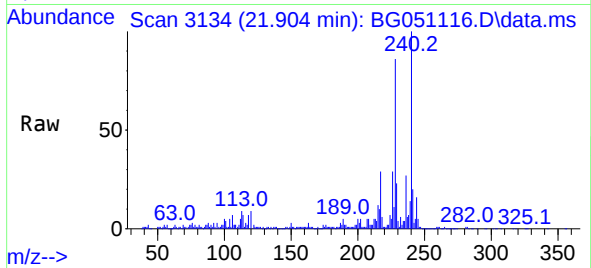
Tgt Ion:202 Resp: 1331186
 Ion Ratio Lower Upper
 202 100
 101 11.1 0.0 24.7
 203 20.8 0.0 38.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.904 min Scan# 3134
Delta R.T. 0.003 min
Lab File: BG051116.D
Acq: 18 Nov 2021 22:18

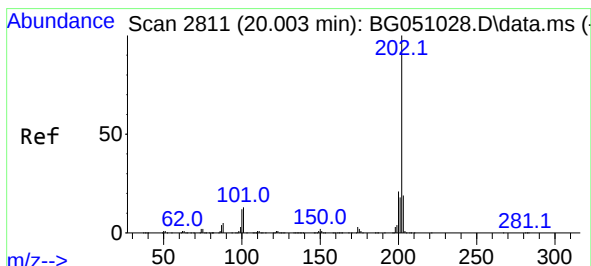
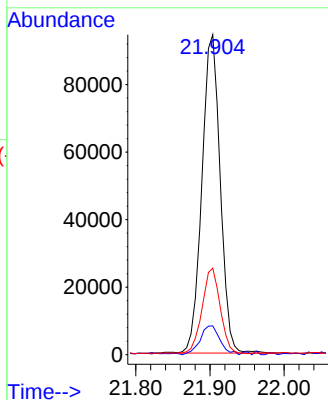
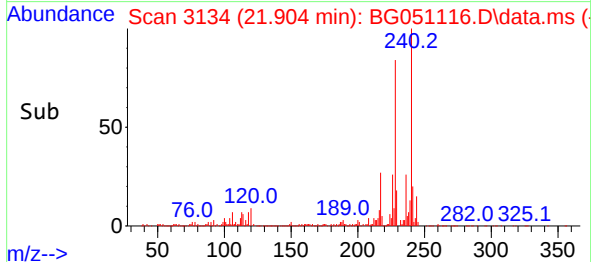
Instrument :
BNA_G
ClientSampleId :
3-COMP



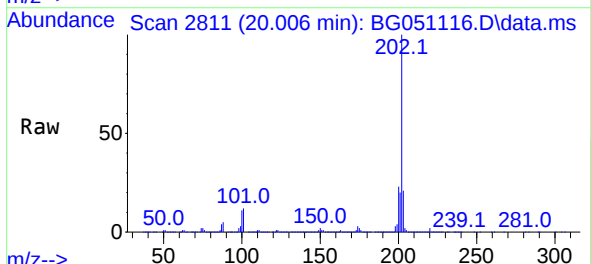
Tgt Ion:240 Resp: 16167
Ion Ratio Lower Upper
240 100
120 9.0 4.2 6.2
236 27.1 21.8 32.6

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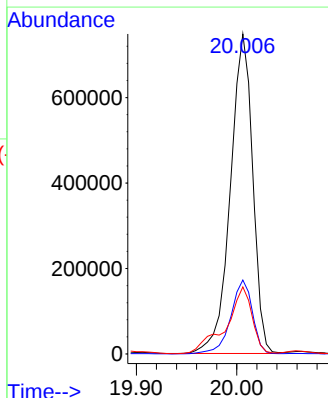
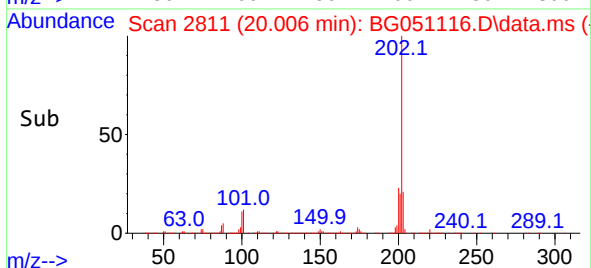
Reviewed By :Jagrut Upadhyay 11/19/2021
Supervised By :mohammad ahmed 11/29/2021

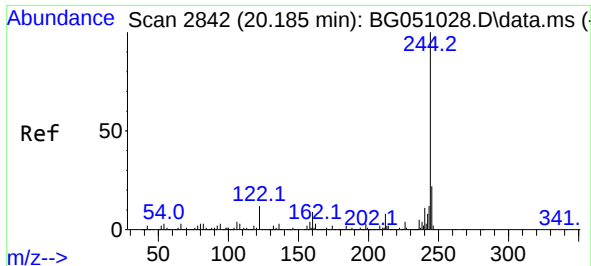


#78
Pyrene
Concen: 95.531 ng
RT: 20.006 min Scan# 2811
Delta R.T. 0.003 min
Lab File: BG051116.D
Acq: 18 Nov 2021 22:18



Tgt Ion:202 Resp: 1158697
Ion Ratio Lower Upper
202 100
200 23.1 15.8 23.8
203 20.9 14.6 21.8





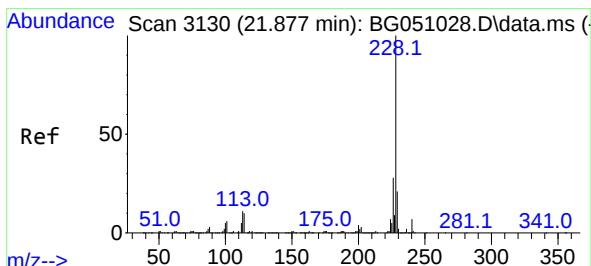
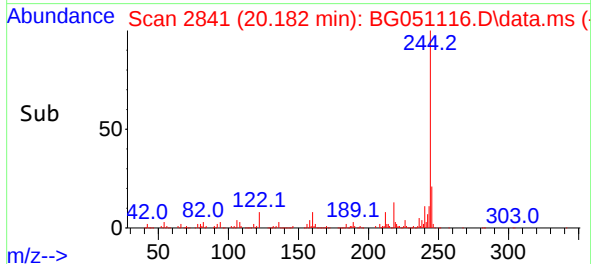
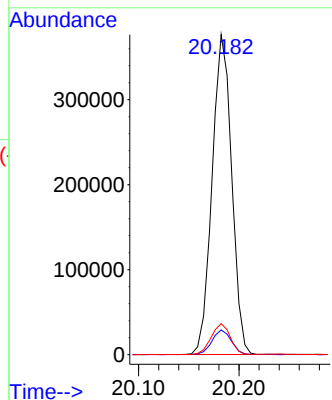
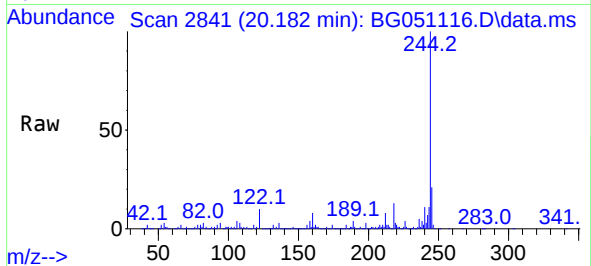
#79
Terphenyl-d14
Concen: 60.016 ng
RT: 20.182 min Scan# 244
Delta R.T. -0.003 min
Lab File: BG051116.D
Acq: 18 Nov 2021 22:18

Instrument :
BNA_G
ClientSampleId :
3-COMP

Tgt Ion:244 Resp: 50953
Ion Ratio Lower Upper
244 100
212 7.8 6.9 10.3
122 9.7 5.0 7.6

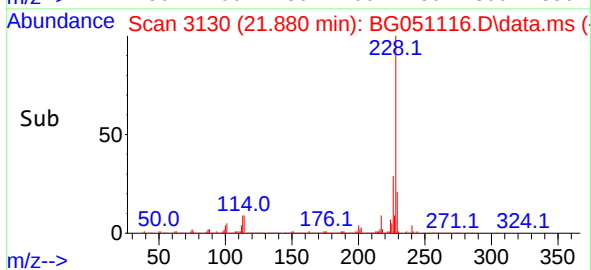
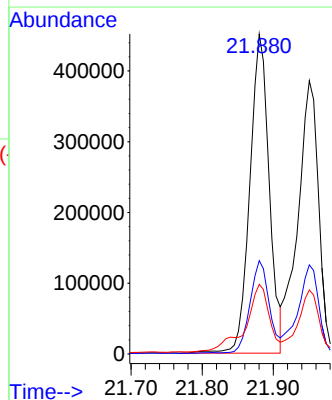
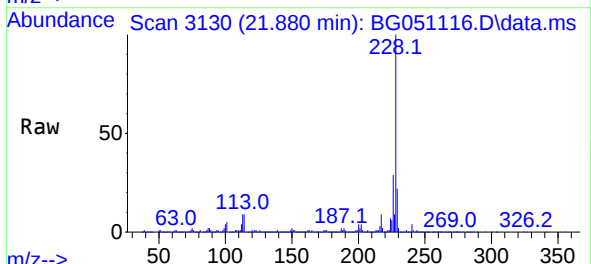
Manual Integrations
APPROVED

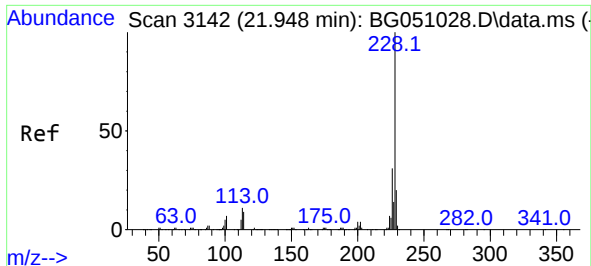
Reviewed By :Jagrut Upadhyay 11/19/2021
Supervised By :mohammad ahmed 11/29/2021



#81
Benzo(a)anthracene
Concen: 76.962 ng
RT: 21.880 min Scan# 3130
Delta R.T. 0.003 min
Lab File: BG051116.D
Acq: 18 Nov 2021 22:18

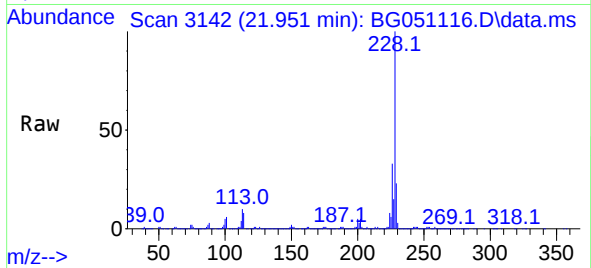
Tgt Ion:228 Resp: 854391
Ion Ratio Lower Upper
228 100
226 29.1 22.7 34.1
229 21.7 16.0 24.0





#83
Chrysene
Concen: 74.933 ng m
RT: 21.951 min Scan# 3142
Delta R.T. 0.003 min
Lab File: BG051116.D
Acq: 18 Nov 2021 22:18

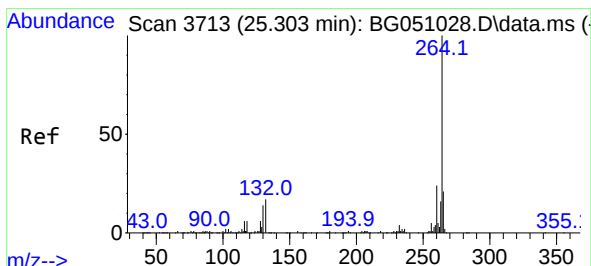
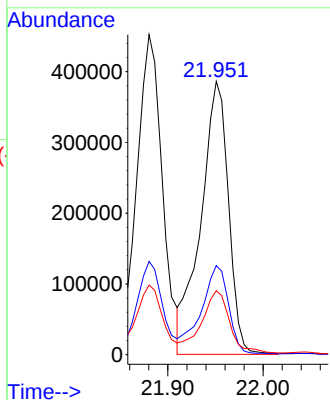
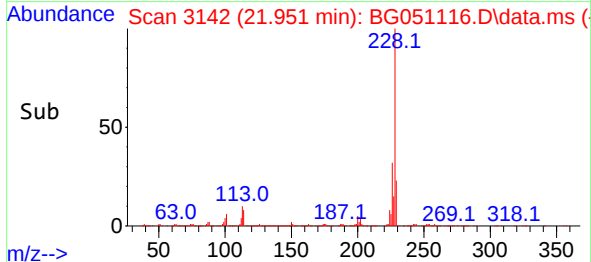
Instrument :
BNA_G
ClientSampleId :
3-COMP



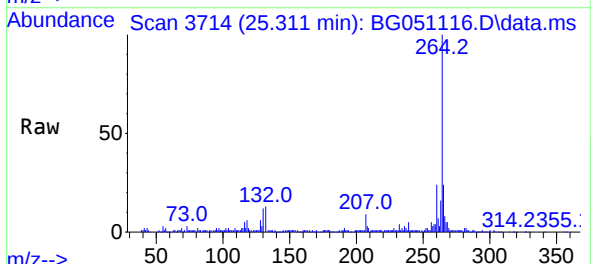
Tgt Ion:228 Resp: 784738
Ion Ratio Lower Upper
228 100
226 32.6 23.1 34.7
229 23.4 15.3 22.9

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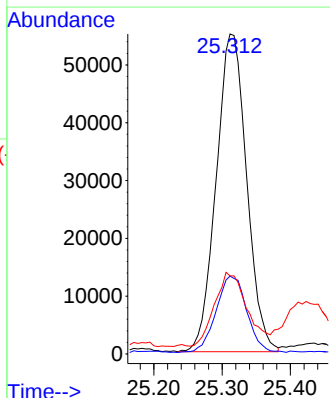
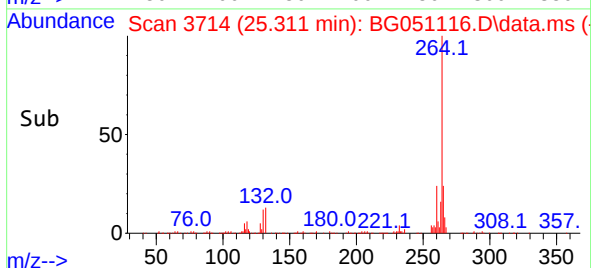
Reviewed By :Jagrut Upadhyay 11/19/2021
Supervised By :mohammad ahmed 11/29/2021

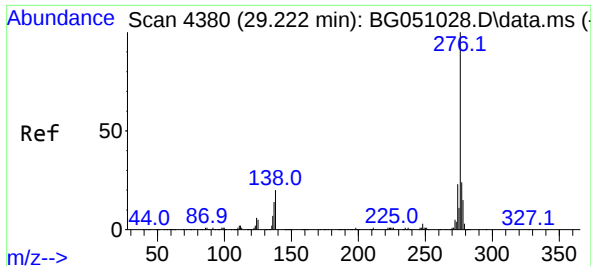


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.311 min Scan# 3714
Delta R.T. 0.009 min
Lab File: BG051116.D
Acq: 18 Nov 2021 22:18



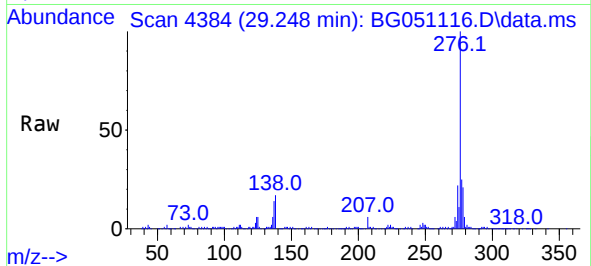
Tgt Ion:264 Resp: 170628
Ion Ratio Lower Upper
264 100
260 24.4 19.4 29.2
265 24.4 16.9 25.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 30.141 ng
RT: 29.248 min Scan# 41
Delta R.T. 0.027 min
Lab File: BG051116.D
Acq: 18 Nov 2021 22:18

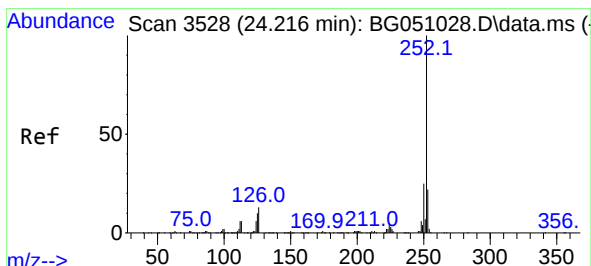
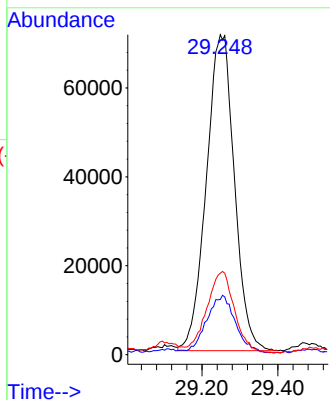
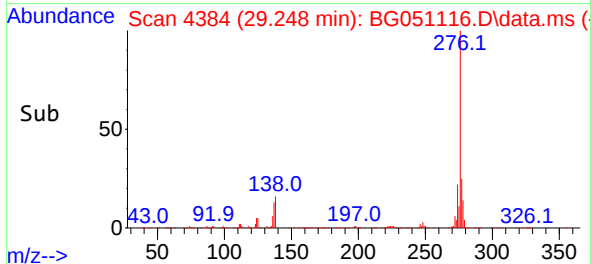
Instrument :
BNA_G
ClientSampleId :
3-COMP



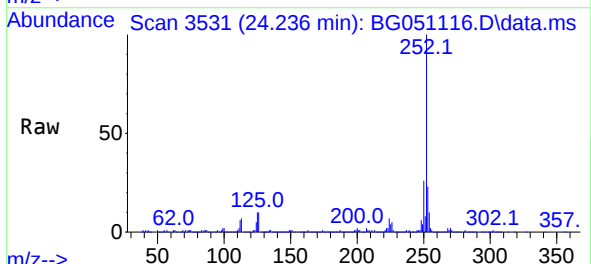
Tgt Ion: 276 Resp: 365030
Ion Ratio Lower Upper
276 100
138 18.6 5.1 7.7
277 25.6 19.8 29.6

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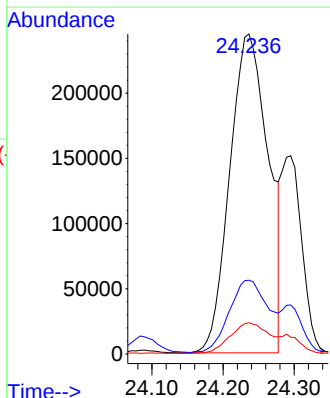
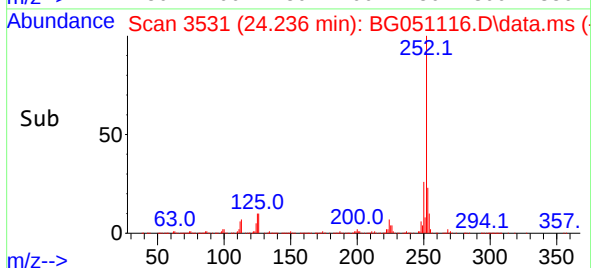
Reviewed By : Jagrut Upadhyay 11/19/2021
Supervised By : mohammad ahmed 11/29/2021

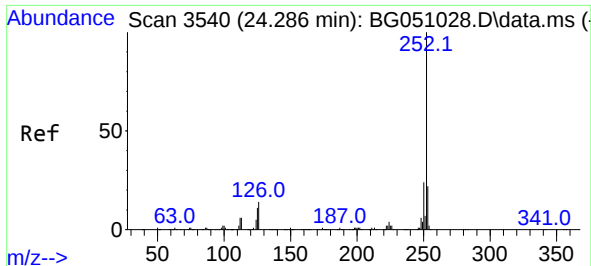


#88
Benzo(b)fluoranthene
Concen: 85.845 ng
RT: 24.236 min Scan# 3531
Delta R.T. 0.021 min
Lab File: BG051116.D
Acq: 18 Nov 2021 22:18



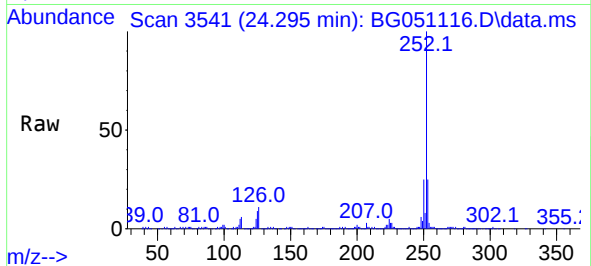
Tgt Ion: 252 Resp: 922006
Ion Ratio Lower Upper
252 100
253 23.1 16.2 24.4
125 9.7 3.0 4.4





#89
Benzo(k)fluoranthene
Concen: 28.035 ng m
RT: 24.295 min Scan# 3540
Delta R.T. 0.009 min
Lab File: BG051116.D
Acq: 18 Nov 2021 22:18

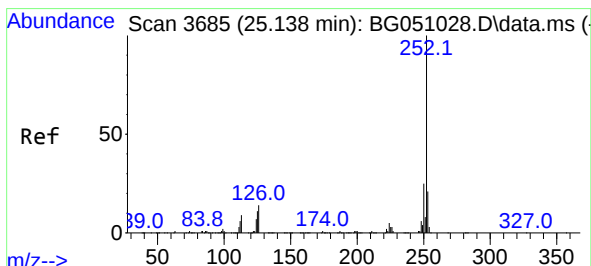
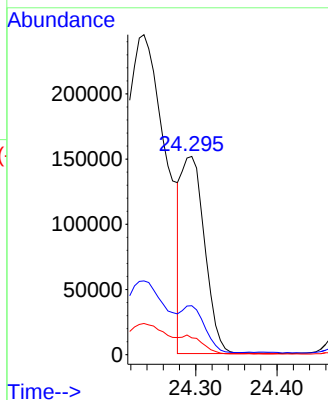
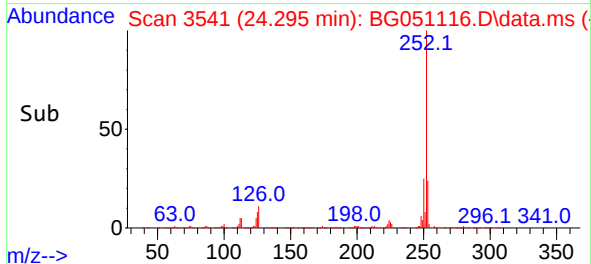
Instrument :
BNA_G
ClientSampleId :
3-COMP



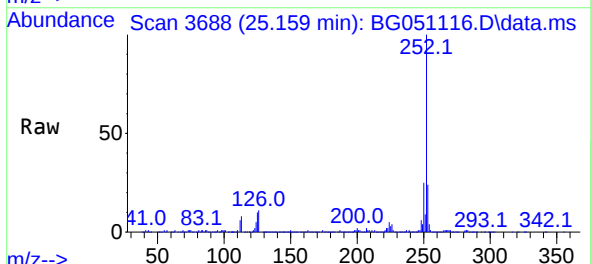
Tgt Ion:252 Resp: 300309
Ion Ratio Lower Upper
252 100
253 24.7 18.0 27.0
125 8.5 3.1 4.7

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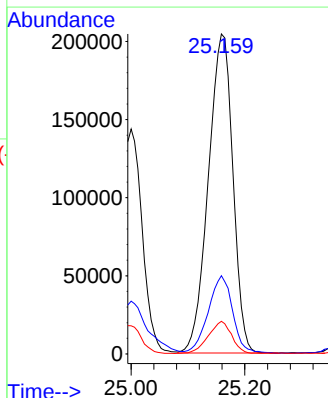
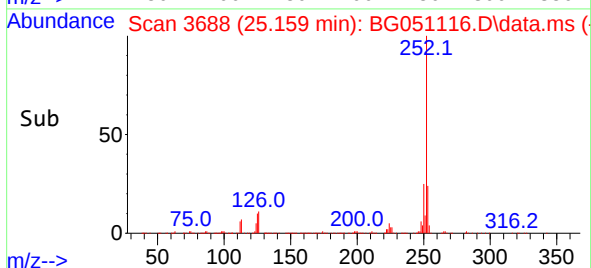
Reviewed By :Jagrut Upadhyay 11/19/2021
Supervised By :mohammad ahmed 11/29/2021

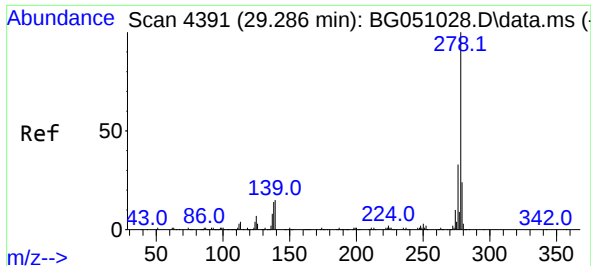


#90
Benzo(a)pyrene
Concen: 66.774 ng
RT: 25.159 min Scan# 3688
Delta R.T. 0.021 min
Lab File: BG051116.D
Acq: 18 Nov 2021 22:18



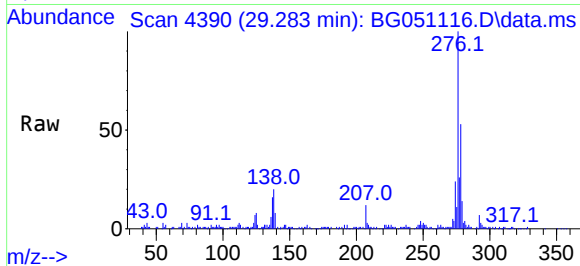
Tgt Ion:252 Resp: 612273
Ion Ratio Lower Upper
252 100
253 24.5 16.6 25.0
125 10.2 3.5 5.3





#91
Dibenzo(a,h)anthracene
Concen: 12.350 ng
RT: 29.283 min Scan# 41
Delta R.T. -0.003 min
Lab File: BG051116.D
Acq: 18 Nov 2021 22:18

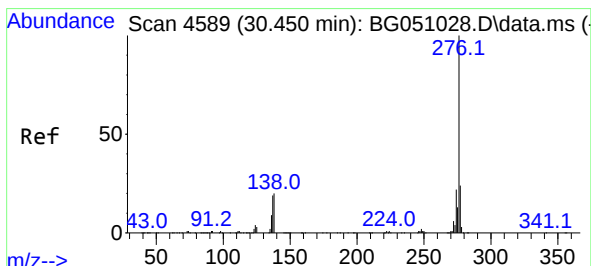
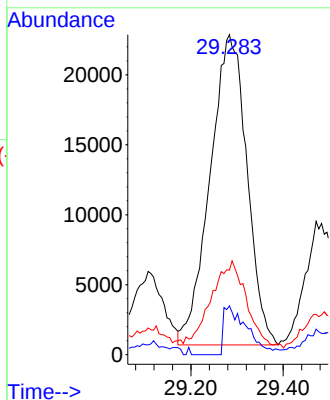
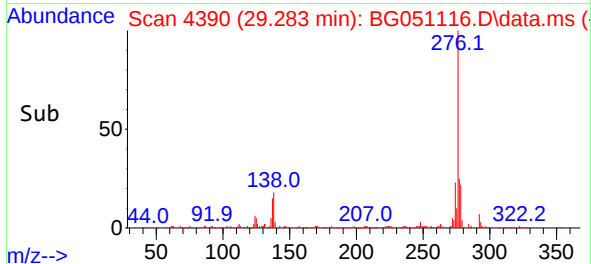
Instrument :
BNA_G
ClientSampleId :
3-COMP



Tgt Ion:278 Resp: 12314
Ion Ratio Lower Upper
278 100
139 15.3 4.6 6.8
279 26.4 17.9 26.9

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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: 32.893 ng
RT: 30.482 min Scan# 4594
Delta R.T. 0.032 min
Lab File: BG051116.D
Acq: 18 Nov 2021 22:18

Tgt Ion:276 Resp: 322772
Ion Ratio Lower Upper
276 100
277 24.1 18.4 27.6
138 17.9 7.0 10.6#

