

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101222\
 Data File : BG055140.D
 Acq On : 12 Oct 2022 13:21
 Operator : CG/JU
 Sample : N5067-20DL 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-B-6-VERTDL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 10/13/2022
 Supervised By : Jagrut Upadhyay 10/13/2022

Quant Time: Oct 13 04:49:41 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 08 03:04:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.329	152	37526	20.000	ng	0.00
21) Naphthalene-d8	11.161	136	154338	20.000	ng	0.00
39) Acenaphthene-d10	14.933	164	105607	20.000	ng	0.00
64) Phenanthrene-d10	17.665	188	237200	20.000	ng	0.00
76) Chrysene-d12	21.954	240	214589	20.000	ng	-0.01
86) Perylene-d12	25.397	264	238992	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.849	112	21745	12.871	ng	0.00
7) Phenol-d6	7.453	99	28815	11.383	ng	0.00
23) Nitrobenzene-d5	9.498	82	18438	7.139	ng	0.00
42) 2,4,6-Tribromophenol	16.408	330	14706	19.047	ng	0.00
45) 2-Fluorobiphenyl	13.564	172	48089	7.109	ng	0.00
79) Terphenyl-d14	20.238	244	75258	7.088	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	11.208	128	160440	19.696	ng	99
37) 2-Methylnaphthalene	12.788	142	28321	4.718	ng	97
38) 1-Methylnaphthalene	13.006	142	16882	2.891	ng	97
52) Acenaphthene	14.997	154	19057	3.177	ng	94
55) Dibenzofuran	15.326	168	47934	5.008	ng	99
58) Fluorene	15.973	166	63474	8.287	ng	96
71) Phenanthrene	17.712	178	536217	43.036	ng	99
72) Anthracene	17.800	178	114302	9.432	ng	98
73) Carbazole	18.059	167	63933	6.011	ng	98
75) Fluoranthene	19.698	202	517762	33.309	ng	98
78) Pyrene	20.056	202	395912	27.746	ng	99
81) Benzo(a)anthracene	21.936	228	195966	14.376	ng	99
83) Chrysene	22.007	228	167667	12.762	ng	97
87) Indeno(1,2,3-cd)pyrene	29.351	276	109679	6.359	ng	# 95
88) Benzo(b)fluoranthene	24.298	252	213061	15.130	ng	100
89) Benzo(k)fluoranthene	24.363	252	78328m	5.521	ng	
90) Benzo(a)pyrene	25.232	252	155274	12.865	ng	98
92) Benzo(g,h,i)perylene	30.591	276	101414	7.211	ng	99

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

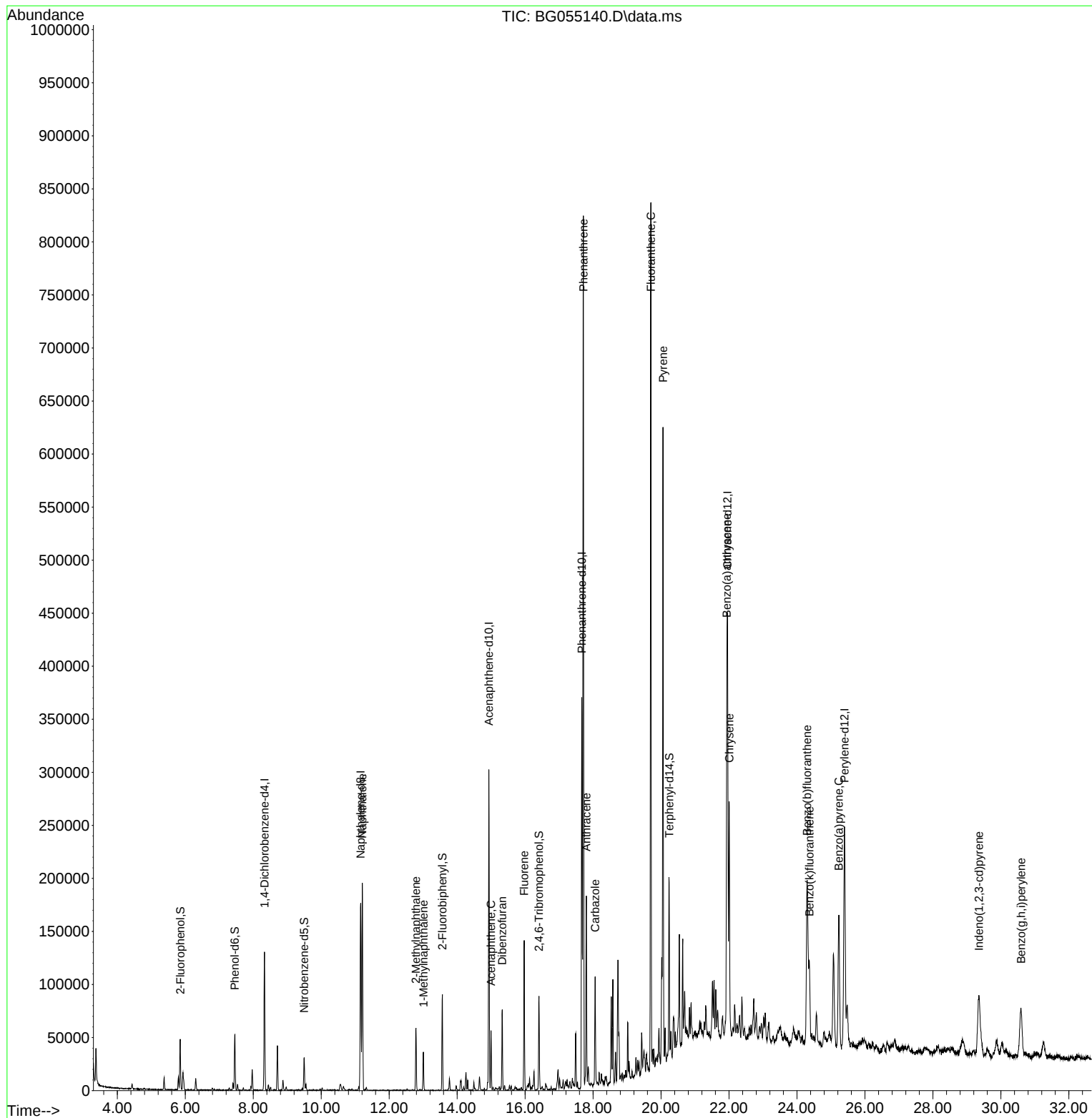
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101222\
Data File : BG055140.D
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ALS Vial : 5 Sample Multiplier: 1

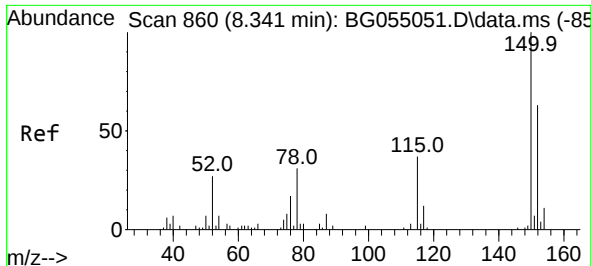
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Quant Time: Oct 13 04:49:41 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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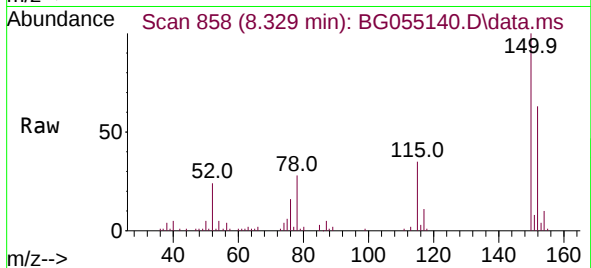
Reviewed By :Christian Giraldo 10/13/2022
Supervised By :Jagrut Upadhyay 10/13/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.329 min Scan# 84
Delta R.T. -0.009 min
Lab File: BG055140.D
Acq: 12 Oct 2022 13:21

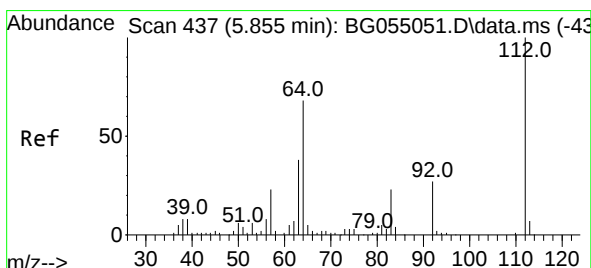
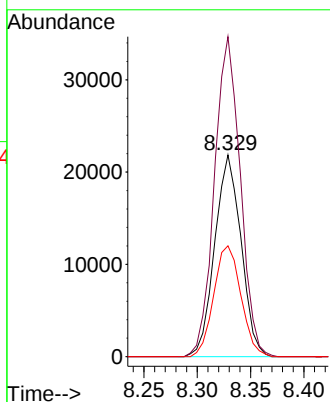
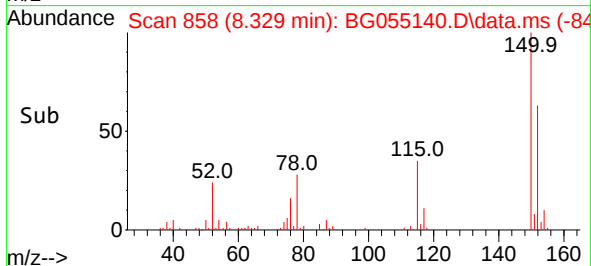
Instrument :
BNA_G
ClientSampleId :
COMP-B-6-VERTDL



Tgt Ion:152 Resp: 37526
Ion Ratio Lower Upper
152 100
150 158.7 128.0 192.0
115 54.9 47.7 71.5

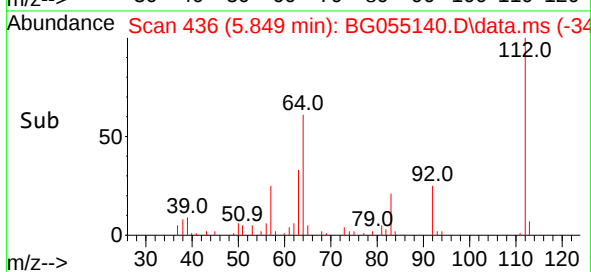
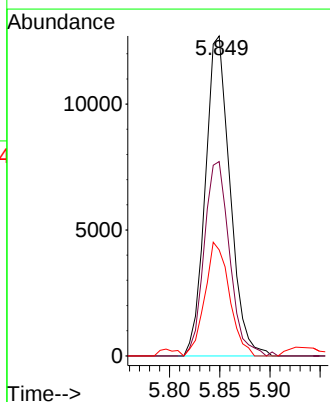
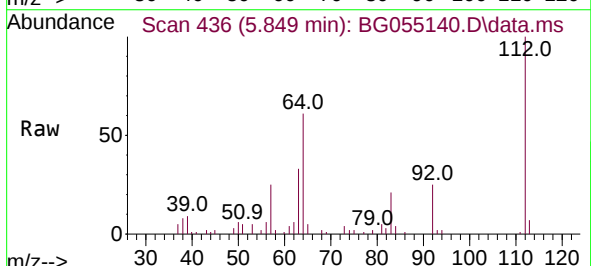
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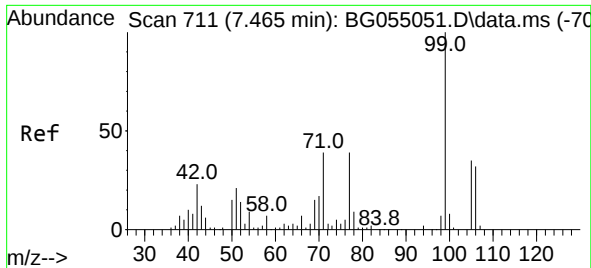
Reviewed By :Christian Giraldo 10/13/2022
Supervised By :Jagrut Upadhyay 10/13/2022



#5
2-Fluorophenol
Concen: 12.871 ng
RT: 5.849 min Scan# 436
Delta R.T. -0.003 min
Lab File: BG055140.D
Acq: 12 Oct 2022 13:21

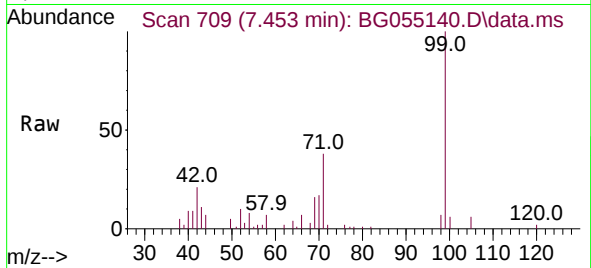
Tgt Ion:112 Resp: 21745
Ion Ratio Lower Upper
112 100
64 60.7 54.5 81.7
63 33.1 30.5 45.7





#7
Phenol-d6
Concen: 11.383 ng
RT: 7.453 min Scan# 70
Delta R.T. -0.009 min
Lab File: BG055140.D
Acq: 12 Oct 2022 13:21

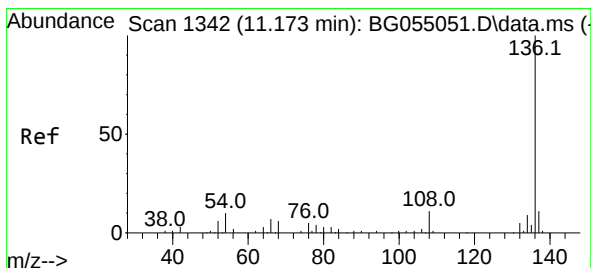
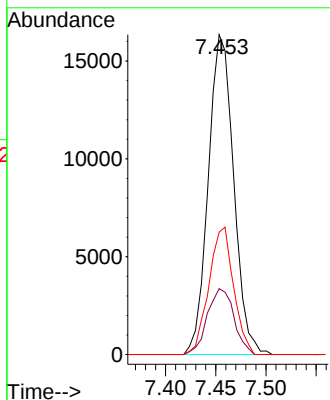
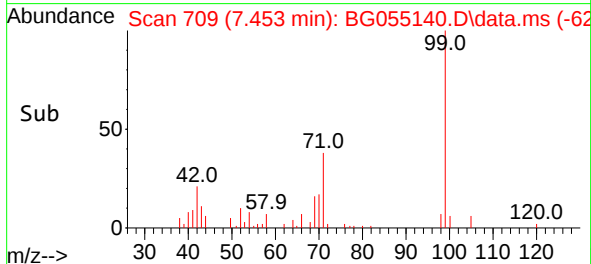
Instrument :
BNA_G
ClientSampleId :
COMP-B-6-VERTDL



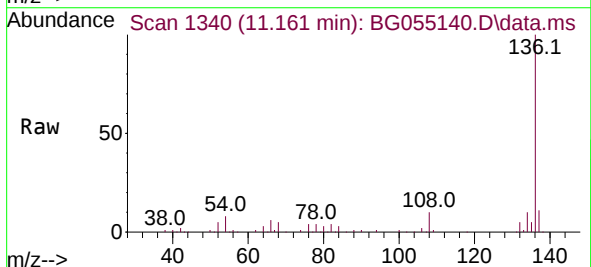
Tgt Ion: 99 Resp: 28815
Ion Ratio Lower Upper
99 100
42 20.6 18.6 28.0
71 38.3 31.2 46.8

Manual Integrations
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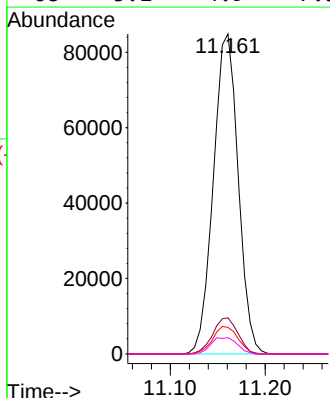
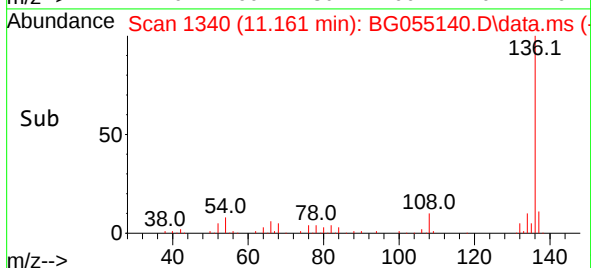
Reviewed By :Christian Giraldo 10/13/2022
Supervised By :Jagrut Upadhyay 10/13/2022

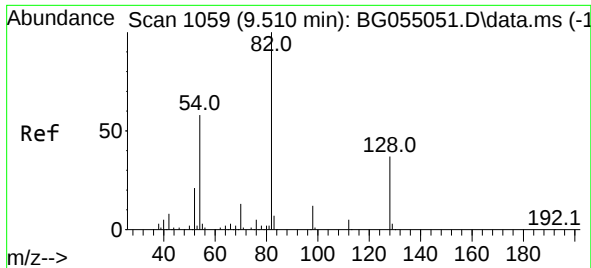


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.161 min Scan# 1340
Delta R.T. -0.009 min
Lab File: BG055140.D
Acq: 12 Oct 2022 13:21



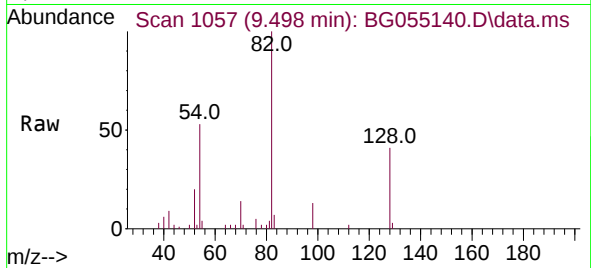
Tgt Ion:136 Resp: 154338
Ion Ratio Lower Upper
136 100
137 11.3 8.7 13.1
54 8.3 8.2 12.4
68 5.1 4.9 7.3





#23
Nitrobenzene-d5
Concen: 7.139 ng
RT: 9.498 min Scan# 1057
Delta R.T. -0.009 min
Lab File: BG055140.D
Acq: 12 Oct 2022 13:21

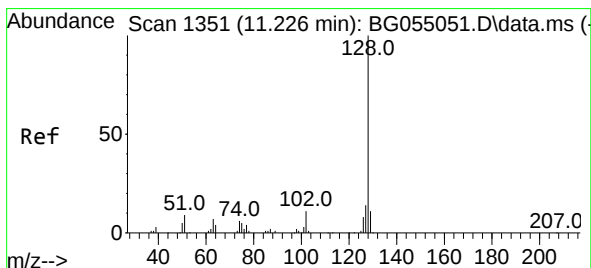
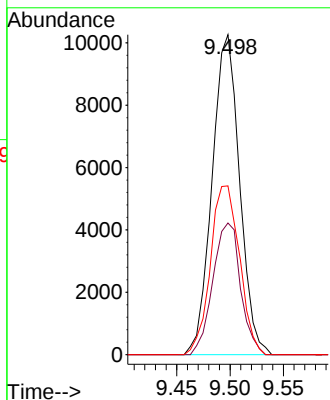
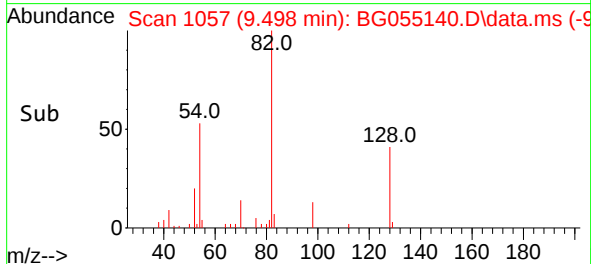
Instrument :
BNA_G
ClientSampleId :
COMP-B-6-VERTDL



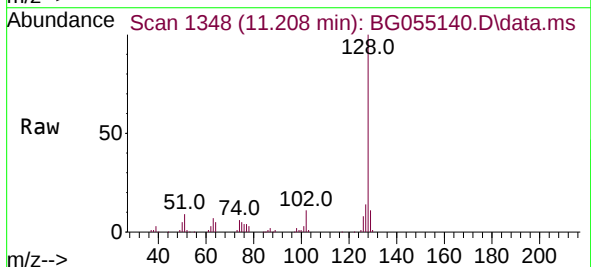
Tgt Ion: 82 Resp: 18438
Ion Ratio Lower Upper
82 100
128 41.1 29.5 44.3
54 52.7 46.7 70.1

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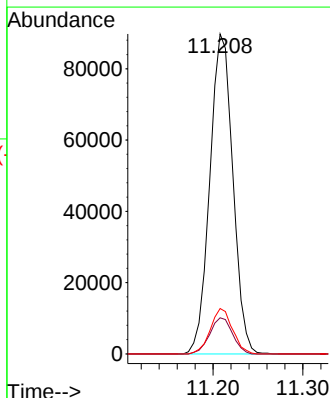
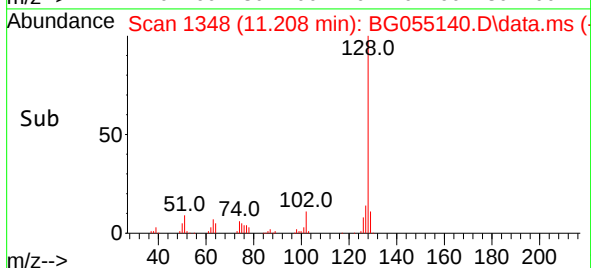
Reviewed By :Christian Giraldo 10/13/2022
Supervised By :Jagrut Upadhyay 10/13/2022

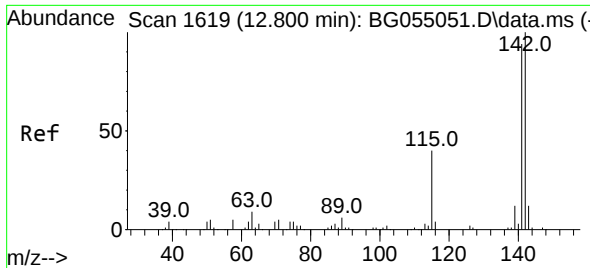


#31
Naphthalene
Concen: 19.696 ng
RT: 11.208 min Scan# 1348
Delta R.T. -0.009 min
Lab File: BG055140.D
Acq: 12 Oct 2022 13:21



Tgt Ion:128 Resp: 160440
Ion Ratio Lower Upper
128 100
129 11.3 8.7 13.1
127 14.2 10.9 16.3





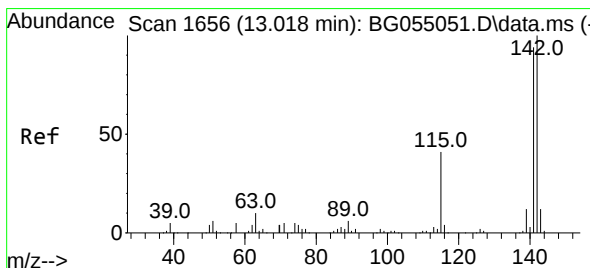
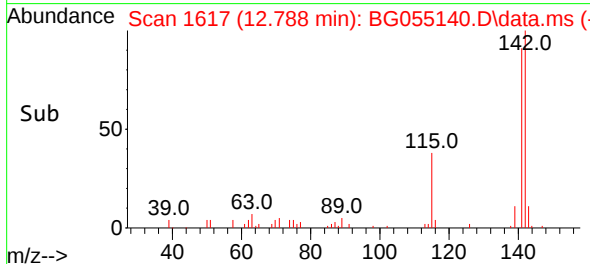
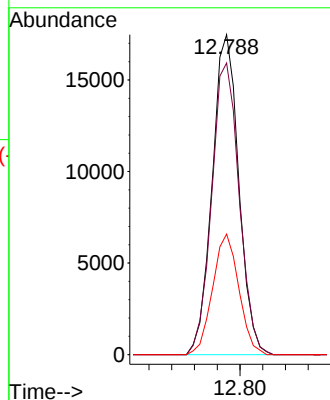
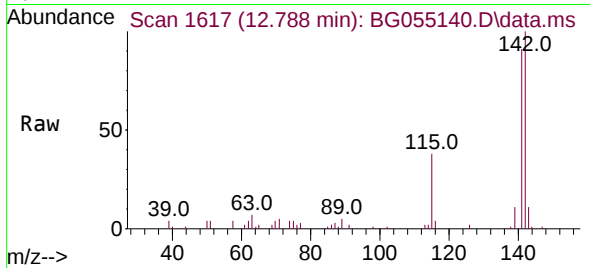
#37
2-Methylnaphthalene
Concen: 4.718 ng
RT: 12.788 min Scan# 1617
Delta R.T. -0.009 min
Lab File: BG055140.D
Acq: 12 Oct 2022 13:21

Instrument :
BNA_G
ClientSampleId :
COMP-B-6-VERTDL

Tgt Ion:142 Resp: 2832
Ion Ratio Lower Upper
142 100
141 91.1 75.0 112.4
115 37.7 31.7 47.5

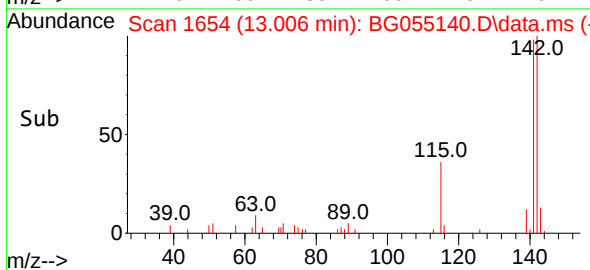
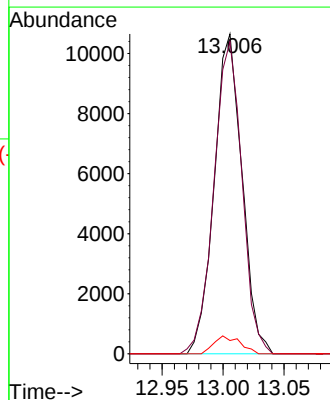
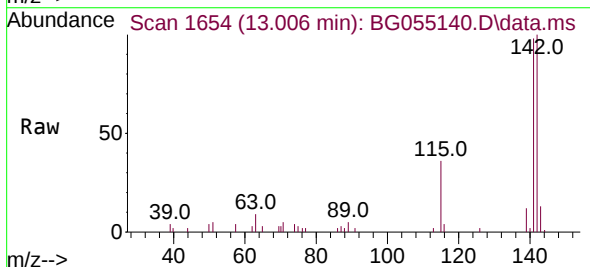
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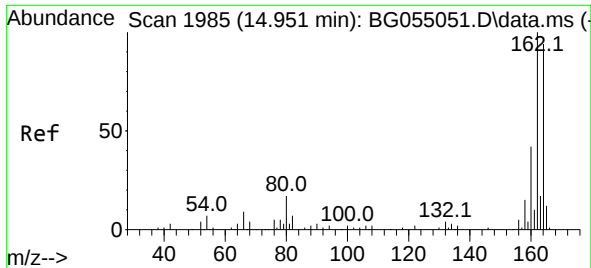
Reviewed By :Christian Giraldo 10/13/2022
Supervised By :Jagrut Upadhyay 10/13/2022



#38
1-Methylnaphthalene
Concen: 2.891 ng
RT: 13.006 min Scan# 1654
Delta R.T. -0.009 min
Lab File: BG055140.D
Acq: 12 Oct 2022 13:21

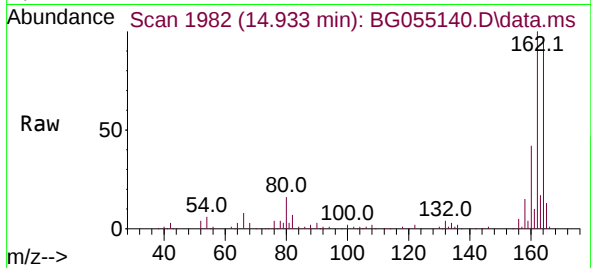
Tgt Ion:142 Resp: 16882
Ion Ratio Lower Upper
142 100
141 97.5 75.5 113.3
116 4.2 3.4 5.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.933 min Scan# 1982
Delta R.T. -0.009 min
Lab File: BG055140.D
Acq: 12 Oct 2022 13:21

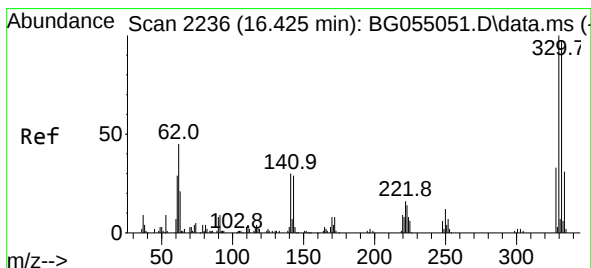
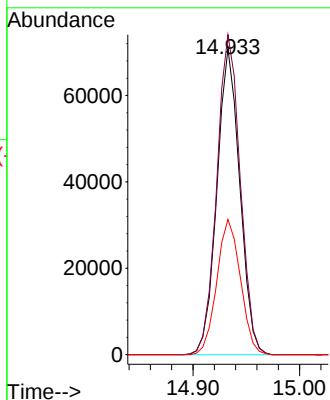
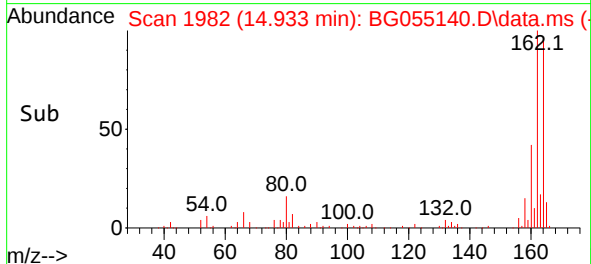
Instrument :
BNA_G
ClientSampleId :
COMP-B-6-VERTDL



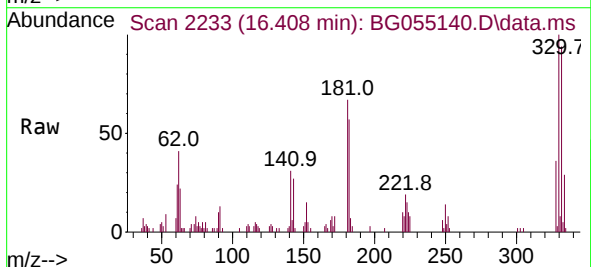
Tgt Ion:164 Resp: 105607
Ion Ratio Lower Upper
164 100
162 104.6 85.5 128.3
160 44.1 35.5 53.3

Manual Integrations
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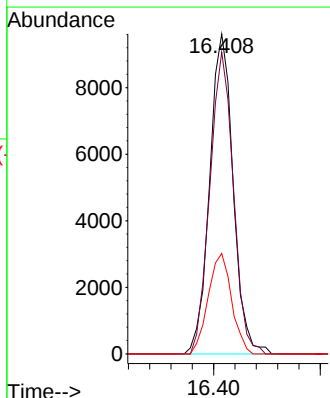
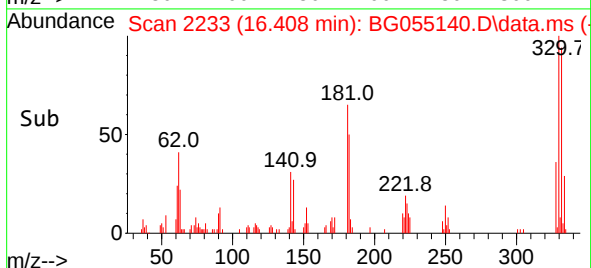
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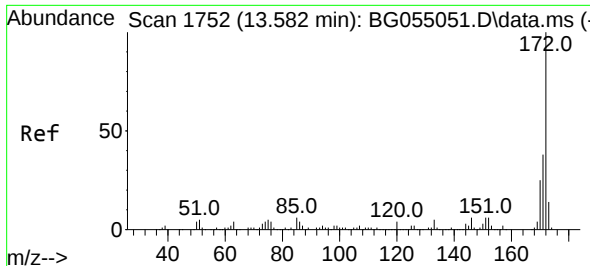


#42
2,4,6-Tribromophenol
Concen: 19.047 ng
RT: 16.408 min Scan# 2233
Delta R.T. -0.009 min
Lab File: BG055140.D
Acq: 12 Oct 2022 13:21



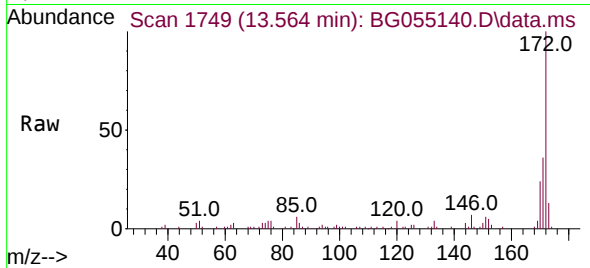
Tgt Ion:330 Resp: 14706
Ion Ratio Lower Upper
330 100
332 94.2 77.4 116.0
141 31.2 25.0 37.4





#45
2-Fluorobiphenyl
Concen: 7.109 ng
RT: 13.564 min Scan# 1749
Delta R.T. -0.009 min
Lab File: BG055140.D
Acq: 12 Oct 2022 13:21

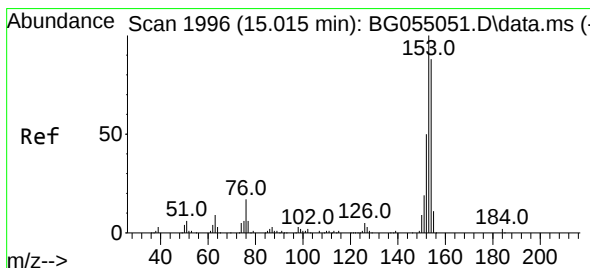
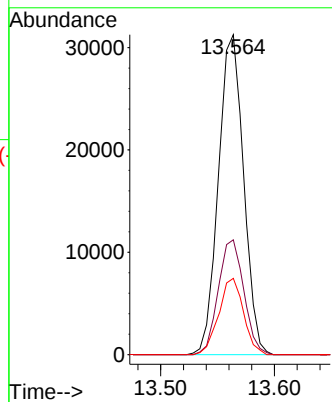
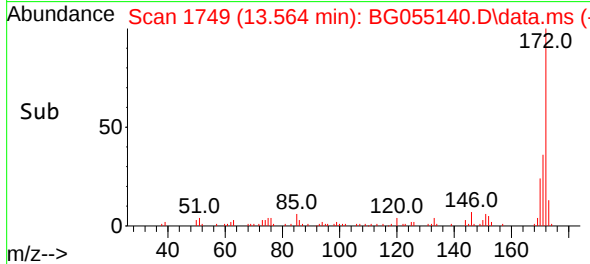
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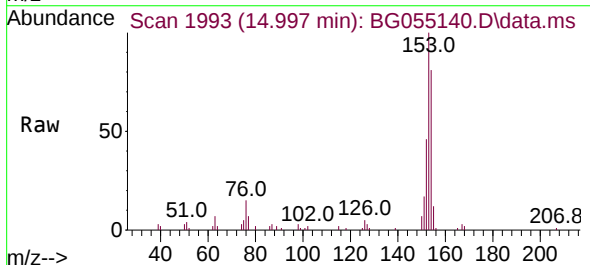
Tgt Ion:172 Resp: 48089
Ion Ratio Lower Upper
172 100
171 35.9 30.1 45.1
170 23.8 20.0 30.0

Manual Integrations
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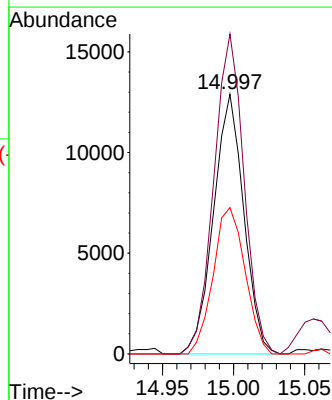
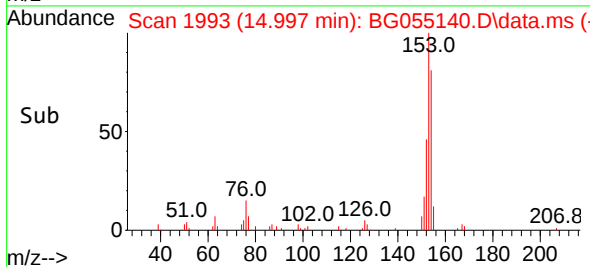
Reviewed By :Christian Giraldo 10/13/2022
Supervised By :Jagrut Upadhyay 10/13/2022

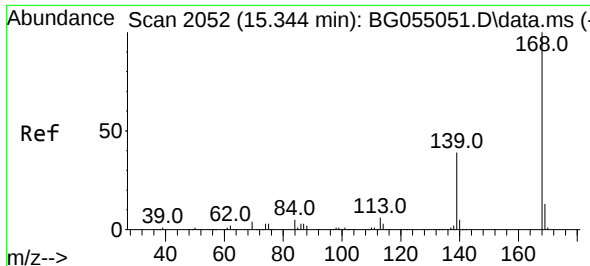


#52
Acenaphthene
Concen: 3.177 ng
RT: 14.997 min Scan# 1993
Delta R.T. -0.009 min
Lab File: BG055140.D
Acq: 12 Oct 2022 13:21



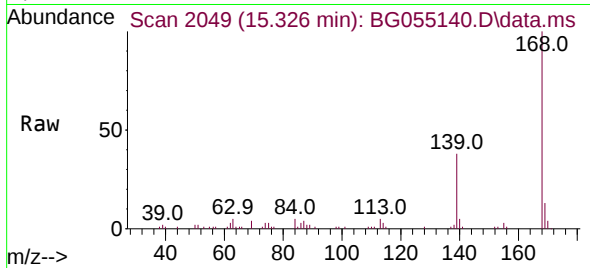
Tgt Ion:154 Resp: 19057
Ion Ratio Lower Upper
154 100
153 123.3 91.4 137.0
152 56.4 45.3 67.9





#55
Dibenzenofuran
Concen: 5.008 ng
RT: 15.326 min Scan# 2049
Delta R.T. -0.009 min
Lab File: BG055140.D
Acq: 12 Oct 2022 13:21

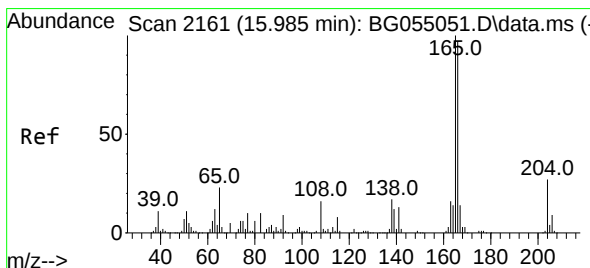
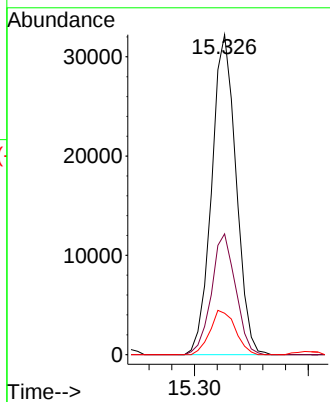
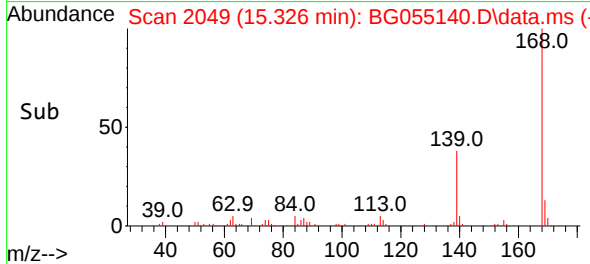
Instrument :
BNA_G
ClientSampleId :
COMP-B-6-VERTDL



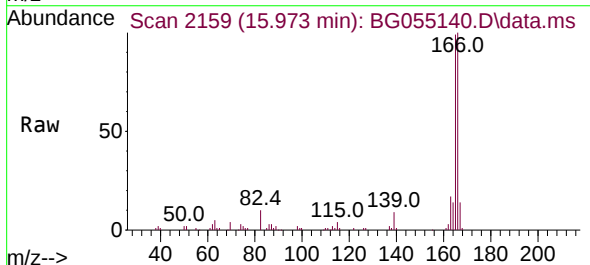
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Ion Ratio Lower Upper
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139 37.7 31.0 46.4
169 12.9 10.6 16.0

Manual Integrations
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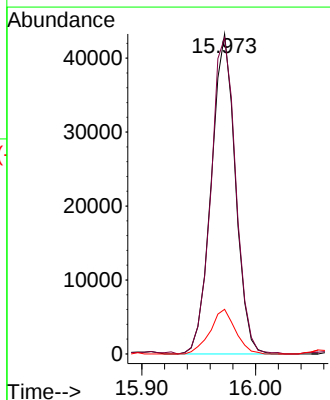
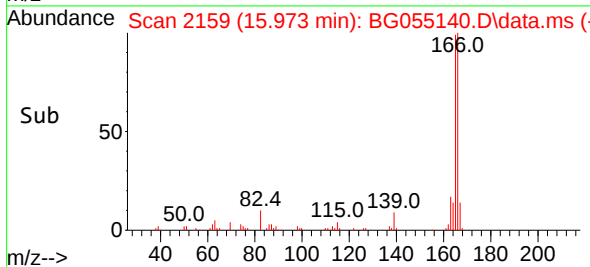
Reviewed By :Christian Giraldo 10/13/2022
Supervised By :Jagrut Upadhyay 10/13/2022

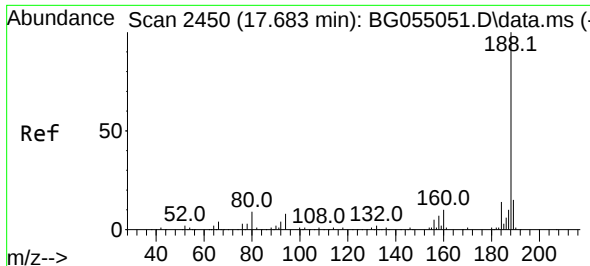


#58
Fluorene
Concen: 8.287 ng
RT: 15.973 min Scan# 2159
Delta R.T. -0.009 min
Lab File: BG055140.D
Acq: 12 Oct 2022 13:21



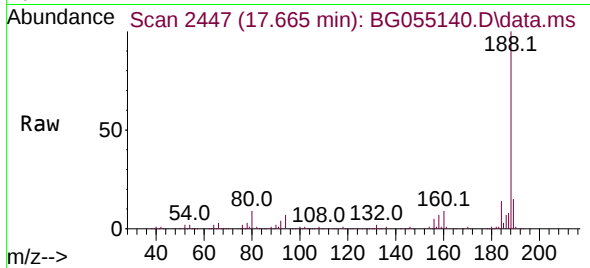
Tgt Ion:166 Resp: 63474
Ion Ratio Lower Upper
166 100
165 98.8 82.6 123.8
167 13.9 11.8 17.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.665 min Scan# 2447
Delta R.T. -0.009 min
Lab File: BG055140.D
Acq: 12 Oct 2022 13:21

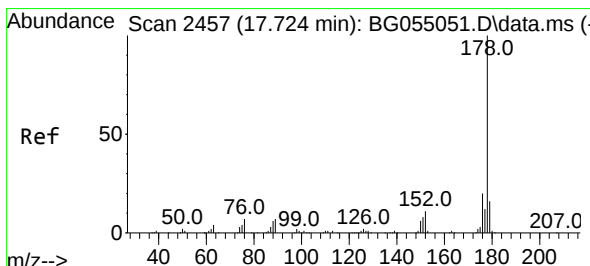
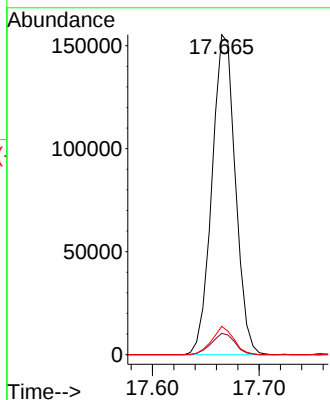
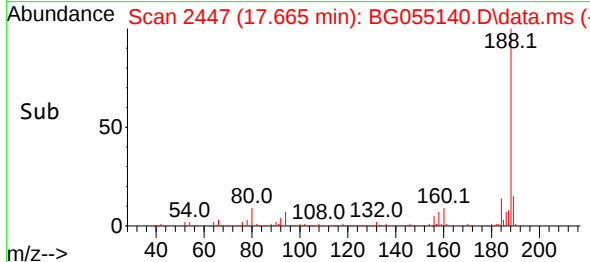
Instrument :
BNA_G
ClientSampleId :
COMP-B-6-VERTDL



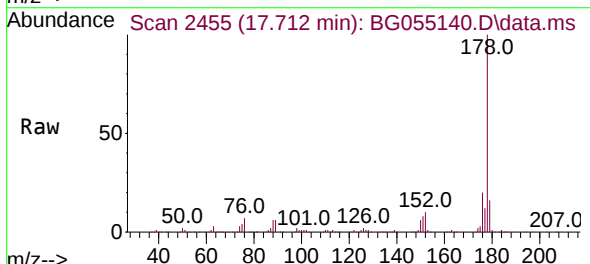
Tgt Ion:188 Resp: 237200
Ion Ratio Lower Upper
188 100
94 6.6 6.2 9.2
80 8.8 7.2 10.8

Manual Integrations
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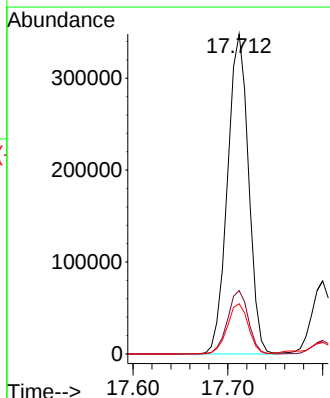
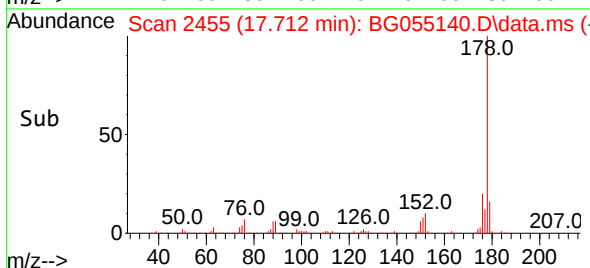
Reviewed By :Christian Giraldo 10/13/2022
Supervised By :Jagrut Upadhyay 10/13/2022

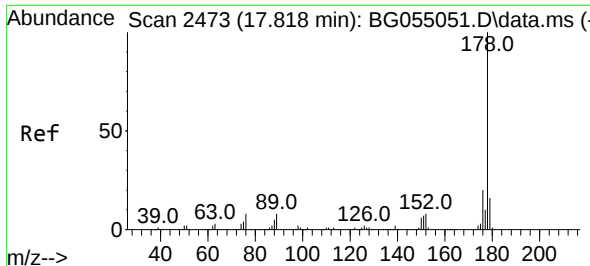


#71
Phenanthrene
Concen: 43.036 ng
RT: 17.712 min Scan# 2455
Delta R.T. -0.009 min
Lab File: BG055140.D
Acq: 12 Oct 2022 13:21



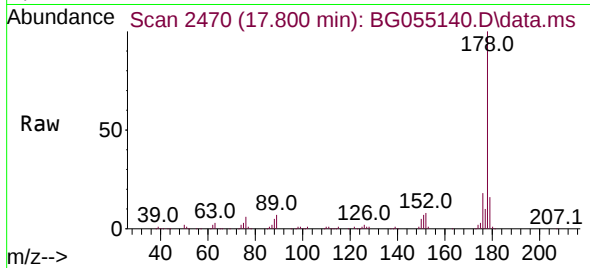
Tgt Ion:178 Resp: 536217
Ion Ratio Lower Upper
178 100
176 19.8 15.8 23.6
179 15.7 13.2 19.8





#72
 Anthracene
 Concen: 9.432 ng
 RT: 17.800 min Scan# 2473
 Delta R.T. -0.009 min
 Lab File: BG055140.D
 Acq: 12 Oct 2022 13:21

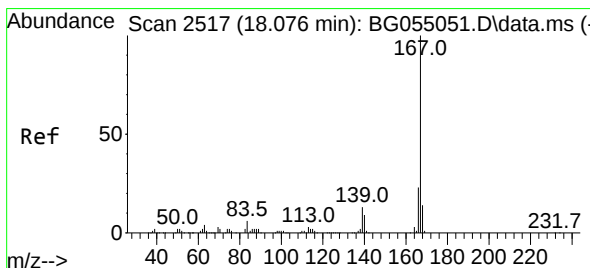
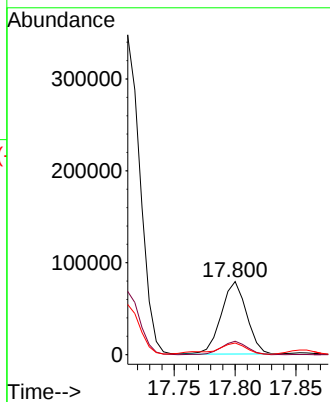
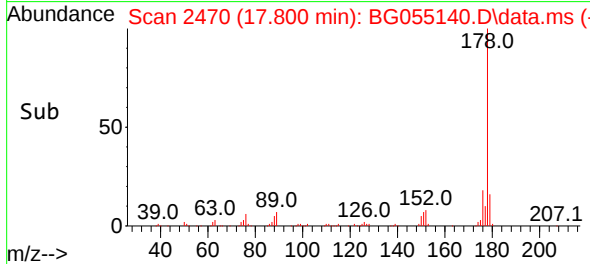
Instrument :
 BNA_G
 ClientSampleId :
 COMP-B-6-VERTDL



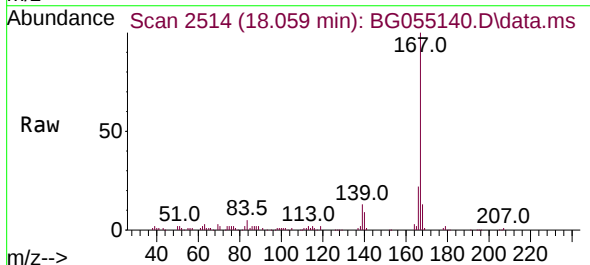
Tgt Ion:178 Resp: 114302
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.7 23.5
 179 15.9 12.5 18.7

Manual Integrations
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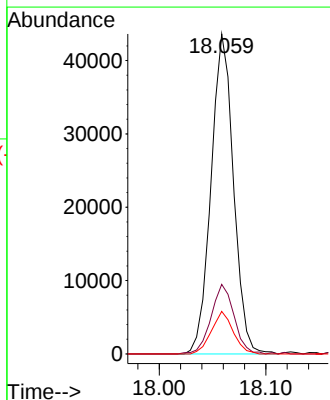
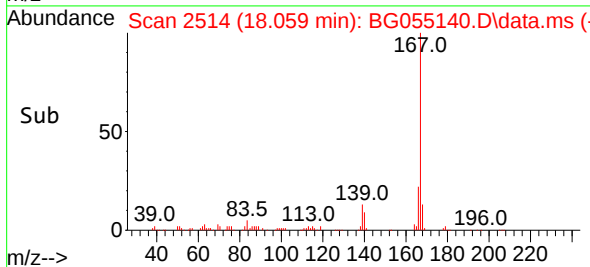
Reviewed By :Christian Giraldo 10/13/2022
 Supervised By :Jagrut Upadhyay 10/13/2022

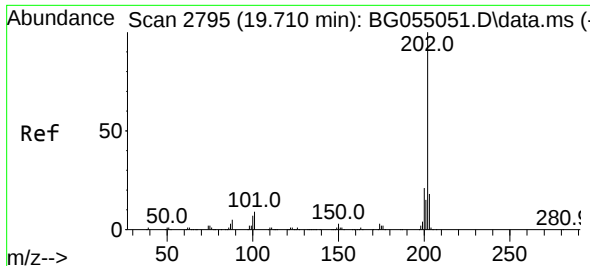


#73
 Carbazole
 Concen: 6.011 ng
 RT: 18.059 min Scan# 2514
 Delta R.T. -0.009 min
 Lab File: BG055140.D
 Acq: 12 Oct 2022 13:21



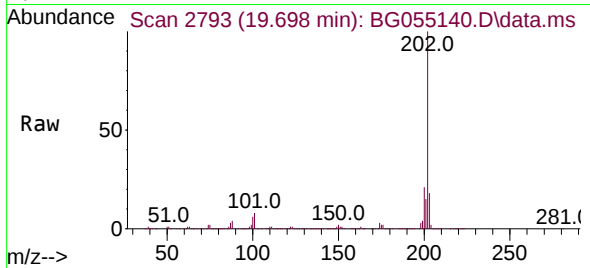
Tgt Ion:167 Resp: 63933
 Ion Ratio Lower Upper
 167 100
 166 21.7 18.2 27.2
 139 13.3 10.2 15.4





#75
Fluoranthene
Concen: 33.309 ng
RT: 19.698 min Scan# 2176
Delta R.T. -0.009 min
Lab File: BG055140.D
Acq: 12 Oct 2022 13:21

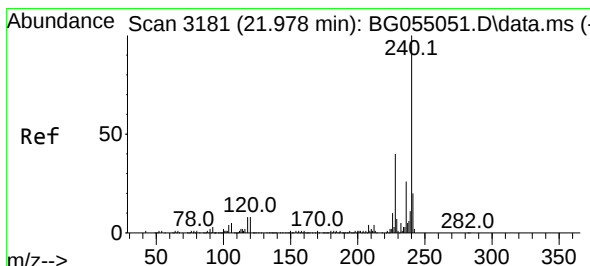
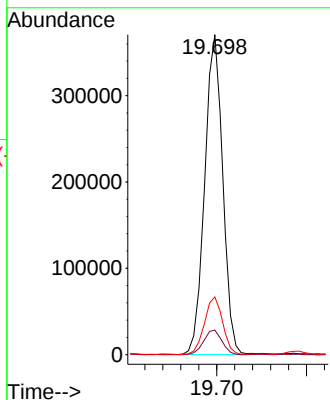
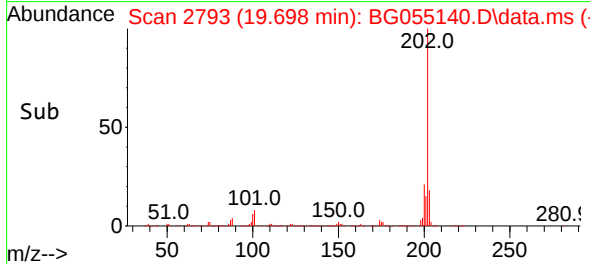
Instrument :
BNA_G
ClientSampleId :
COMP-B-6-VERTDL



Tgt Ion:202 Resp: 517762
Ion Ratio Lower Upper
202 100
101 7.7 0.0 28.9
203 18.1 0.0 37.7

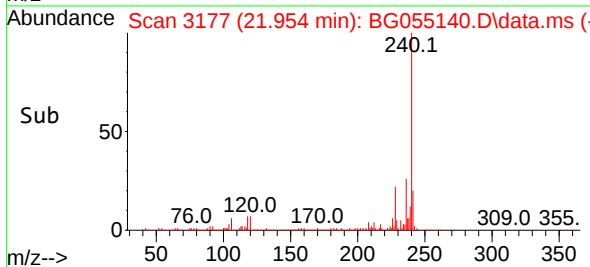
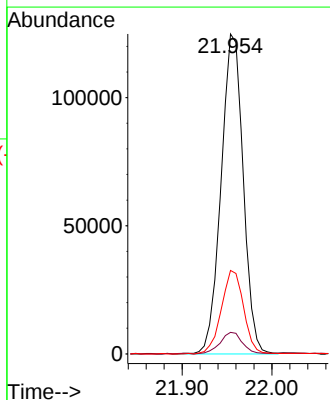
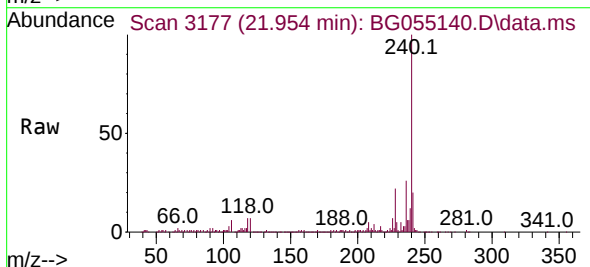
Manual Integrations
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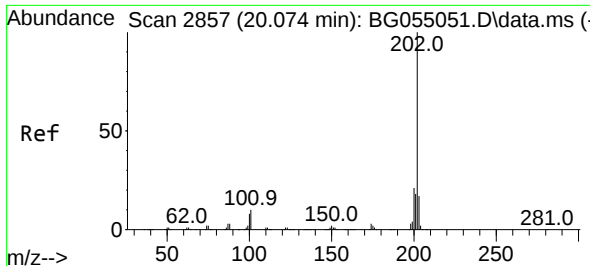
Reviewed By :Christian Giraldo 10/13/2022
Supervised By :Jagrut Upadhyay 10/13/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.954 min Scan# 3177
Delta R.T. -0.015 min
Lab File: BG055140.D
Acq: 12 Oct 2022 13:21

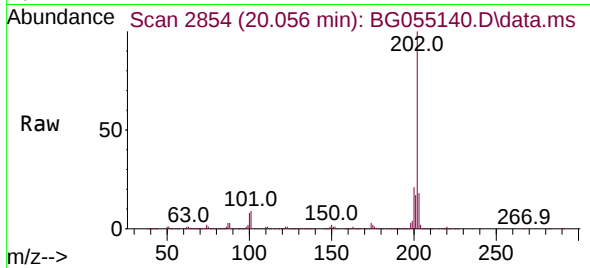
Tgt Ion:240 Resp: 214589
Ion Ratio Lower Upper
240 100
120 6.7 6.2 9.4
236 26.1 20.6 30.8





#78
 Pyrene
 Concen: 27.746 ng
 RT: 20.056 min Scan# 2854
 Delta R.T. -0.009 min
 Lab File: BG055140.D
 Acq: 12 Oct 2022 13:21

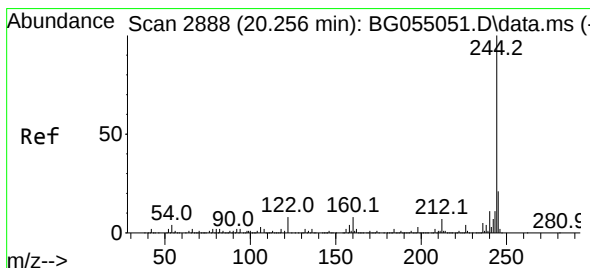
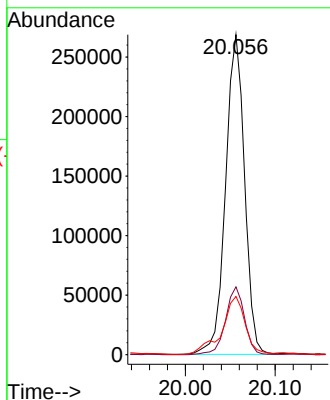
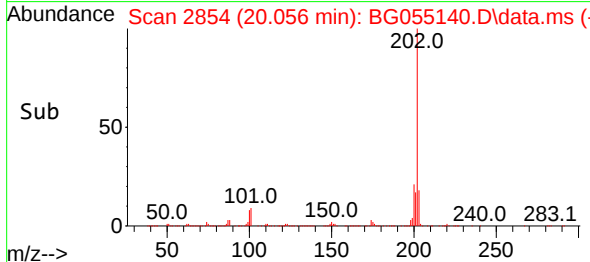
Instrument :
 BNA_G
 ClientSampleId :
 COMP-B-6-VERTDL



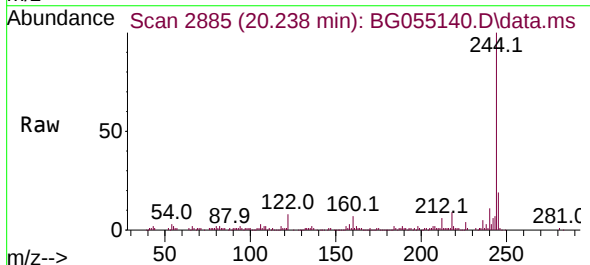
Tgt Ion:202 Resp: 395912
 Ion Ratio Lower Upper
 202 100
 200 21.2 16.6 25.0
 203 18.2 14.0 21.0

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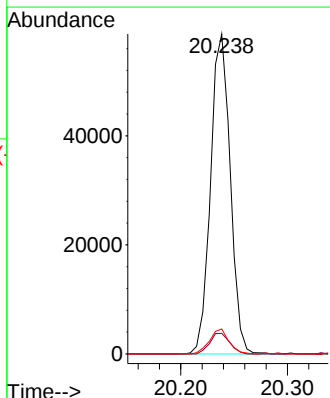
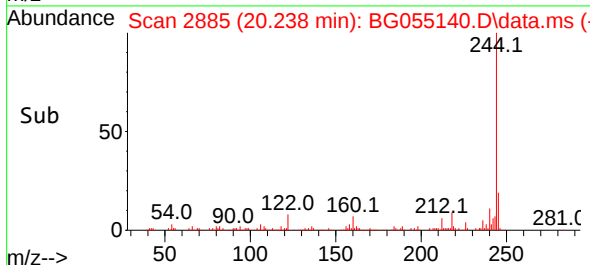
Reviewed By :Christian Giraldo 10/13/2022
 Supervised By :Jagrut Upadhyay 10/13/2022

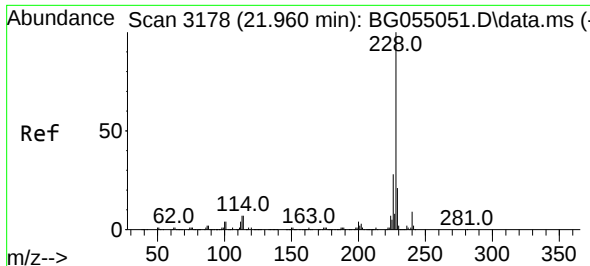


#79
 Terphenyl-d14
 Concen: 7.088 ng
 RT: 20.238 min Scan# 2885
 Delta R.T. -0.015 min
 Lab File: BG055140.D
 Acq: 12 Oct 2022 13:21



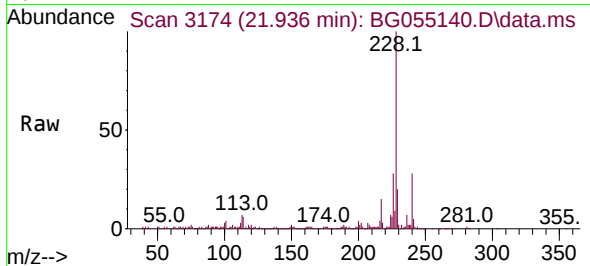
Tgt Ion:244 Resp: 75258
 Ion Ratio Lower Upper
 244 100
 212 6.4 6.0 9.0
 122 7.8 6.6 10.0





#81
Benzo(a)anthracene
Concen: 14.376 ng
RT: 21.936 min Scan# 3174
Delta R.T. -0.015 min
Lab File: BG055140.D
Acq: 12 Oct 2022 13:21

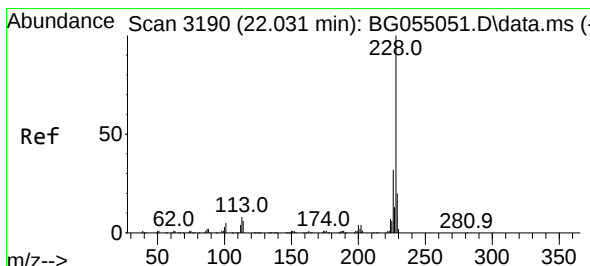
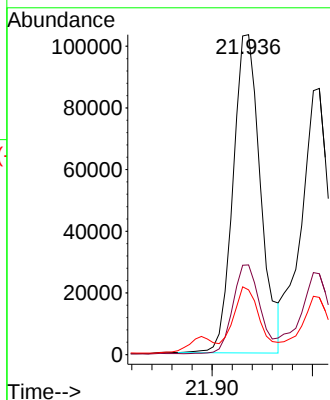
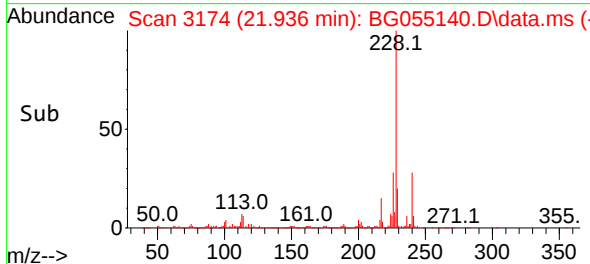
Instrument :
BNA_G
ClientSampleId :
COMP-B-6-VERTDL



Tgt Ion:228 Resp: 195966
Ion Ratio Lower Upper
228 100
226 28.0 22.4 33.6
229 20.2 16.7 25.1

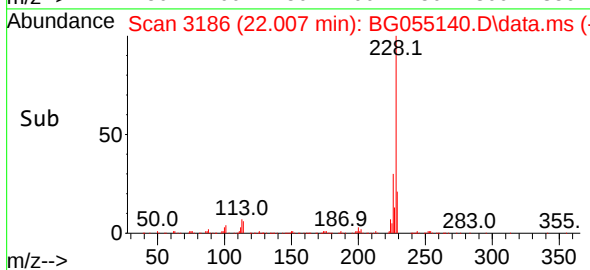
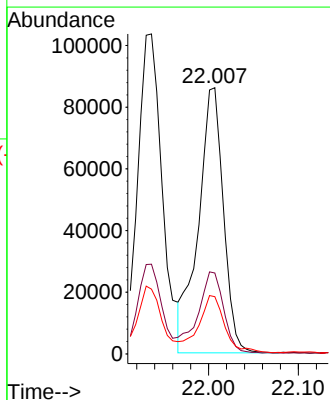
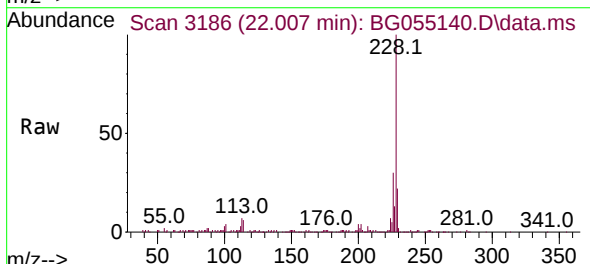
Manual Integrations
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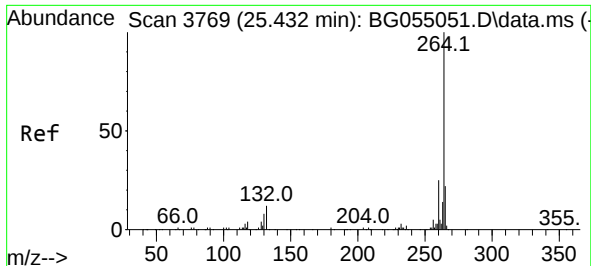
Reviewed By :Christian Giraldo 10/13/2022
Supervised By :Jagrut Upadhyay 10/13/2022



#83
Chrysene
Concen: 12.762 ng
RT: 22.007 min Scan# 3186
Delta R.T. -0.015 min
Lab File: BG055140.D
Acq: 12 Oct 2022 13:21

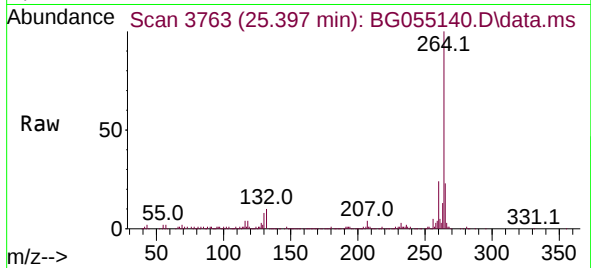
Tgt Ion:228 Resp: 167667
Ion Ratio Lower Upper
228 100
226 30.4 25.3 37.9
229 21.5 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.397 min Scan# 31
Delta R.T. -0.021 min
Lab File: BG055140.D
Acq: 12 Oct 2022 13:21

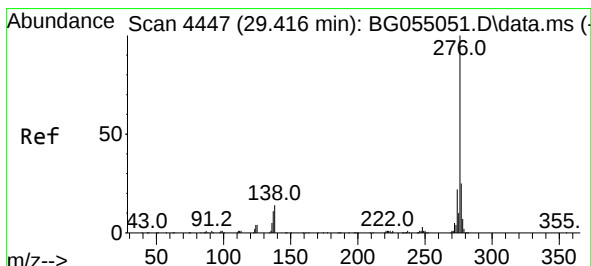
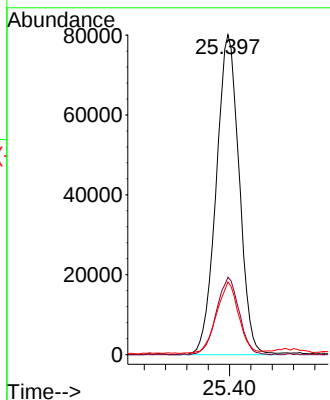
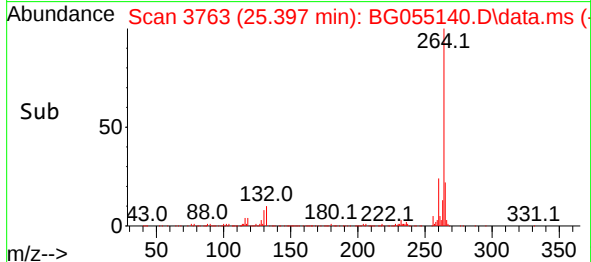
Instrument :
BNA_G
ClientSampleId :
COMP-B-6-VERTDL



Tgt Ion:264 Resp: 238992
Ion Ratio Lower Upper
264 100
260 24.2 19.7 29.5
265 22.7 17.8 26.6

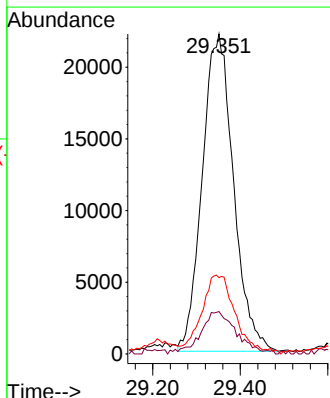
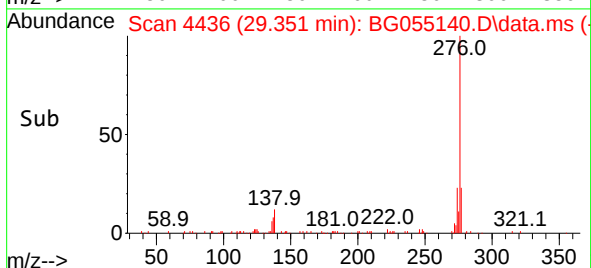
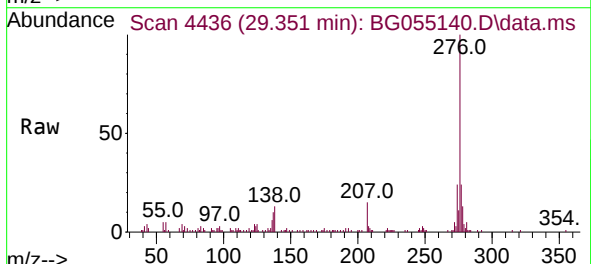
Manual Integrations
APPROVED

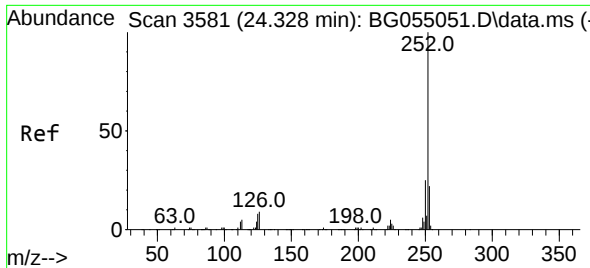
Reviewed By :Christian Giraldo 10/13/2022
Supervised By :Jagrut Upadhyay 10/13/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.359 ng
RT: 29.351 min Scan# 4436
Delta R.T. -0.038 min
Lab File: BG055140.D
Acq: 12 Oct 2022 13:21

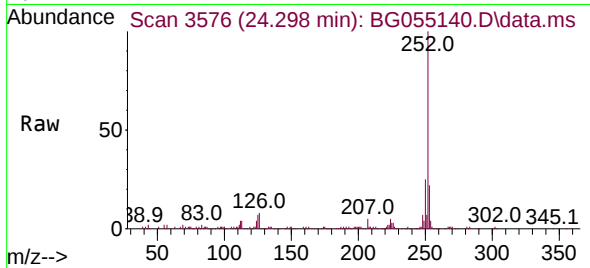
Tgt Ion:276 Resp: 109679
Ion Ratio Lower Upper
276 100
138 15.0 10.0 15.0#
277 27.0 20.0 30.0





#88
Benzo(b)fluoranthene
Concen: 15.130 ng
RT: 24.298 min Scan# 3576
Delta R.T. -0.021 min
Lab File: BG055140.D
Acq: 12 Oct 2022 13:21

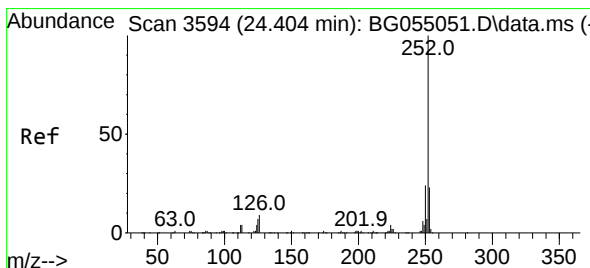
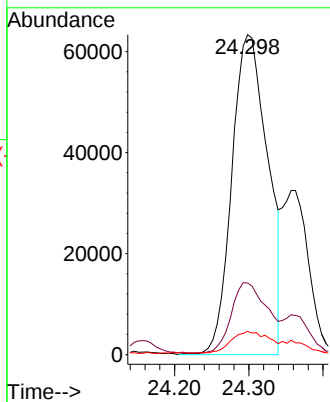
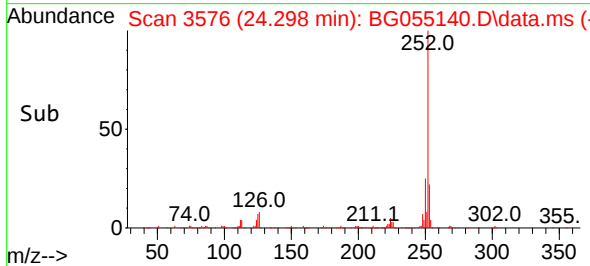
Instrument :
BNA_G
ClientSampleId :
COMP-B-6-VERTDL



Tgt Ion:252 Resp: 21306
Ion Ratio Lower Upper
252 100
253 22.4 17.9 26.9
125 7.3 6.1 9.1

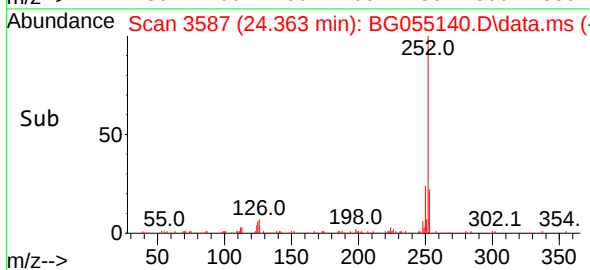
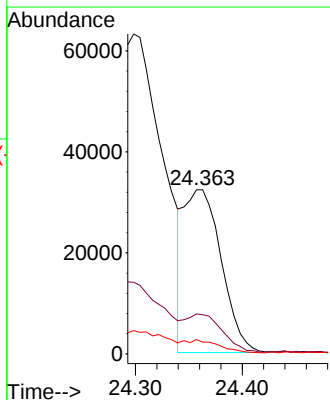
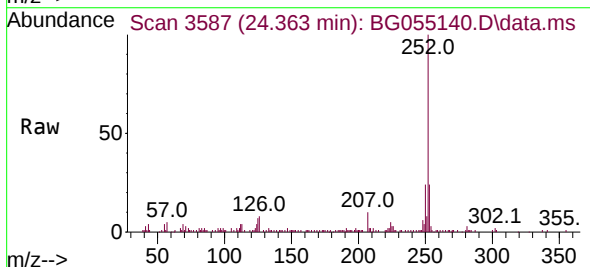
Manual Integrations
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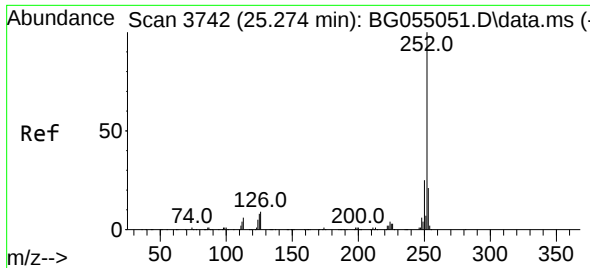
Reviewed By :Christian Giraldo 10/13/2022
Supervised By :Jagrut Upadhyay 10/13/2022



#89
Benzo(k)fluoranthene
Concen: 5.521 ng m
RT: 24.363 min Scan# 3587
Delta R.T. -0.027 min
Lab File: BG055140.D
Acq: 12 Oct 2022 13:21

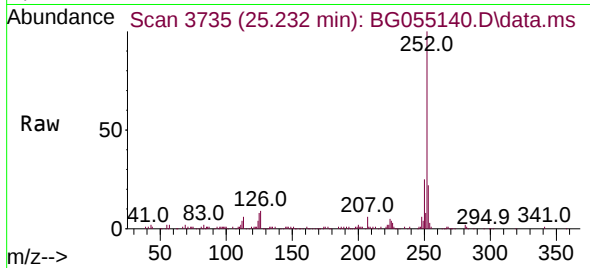
Tgt Ion:252 Resp: 78328
Ion Ratio Lower Upper
252 100
253 23.8 17.9 26.9
125 7.1 5.8 8.6





#90
Benzo(a)pyrene
Concen: 12.865 ng
RT: 25.232 min Scan# 31
Delta R.T. -0.021 min
Lab File: BG055140.D
Acq: 12 Oct 2022 13:21

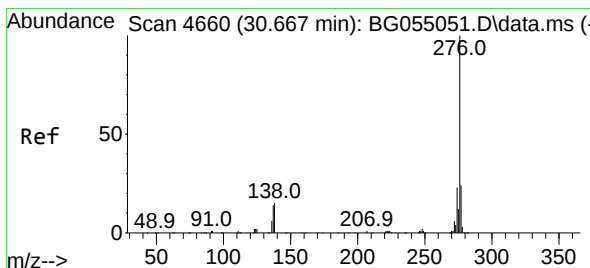
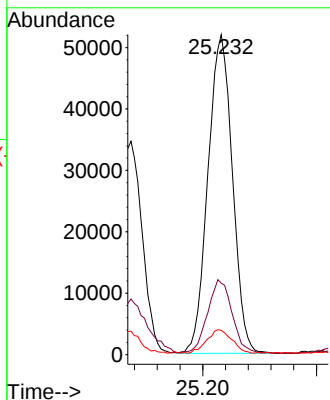
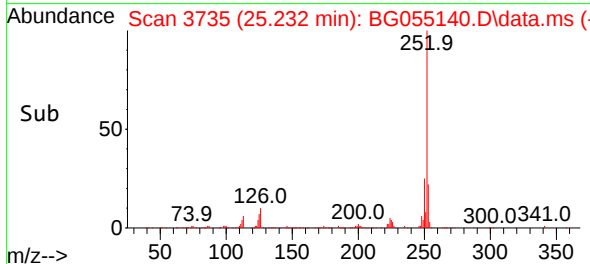
Instrument :
BNA_G
ClientSampleId :
COMP-B-6-VERTDL



Tgt Ion:252 Resp: 155274
Ion Ratio Lower Upper
252 100
253 22.3 16.9 25.3
125 7.6 6.6 9.8

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 10/13/2022
Supervised By :Jagrut Upadhyay 10/13/2022



#92
Benzo(g,h,i)perylene
Concen: 7.211 ng
RT: 30.591 min Scan# 4647
Delta R.T. -0.038 min
Lab File: BG055140.D
Acq: 12 Oct 2022 13:21

Tgt Ion:276 Resp: 101414
Ion Ratio Lower Upper
276 100
277 23.5 18.8 28.2
138 15.6 11.8 17.6

