

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101222\
 Data File : BG055139.D
 Acq On : 12 Oct 2022 12:41
 Operator : CG/JU
 Sample : N5067-16DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-B-3-VERTDL

Manual Integrations
 APPROVED

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

Quant Time: Oct 13 04:49:15 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	8.326	152	39160	20.000	ng	-0.01
21) Naphthalene-d8	11.158	136	158106	20.000	ng	-0.01
39) Acenaphthene-d10	14.936	164	108836	20.000	ng	0.00
64) Phenanthrene-d10	17.668	188	237699	20.000	ng	0.00
76) Chrysene-d12	21.957	240	213392	20.000	ng	-0.01
86) Perylene-d12	25.400	264	230215	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.847	112	44952	25.497	ng	0.00
7) Phenol-d6	7.457	99	59024	22.344	ng	0.00
23) Nitrobenzene-d5	9.496	82	37756	14.269	ng	-0.01
42) 2,4,6-Tribromophenol	16.411	330	29774	31.346	ng	0.00
45) 2-Fluorobiphenyl	13.561	172	92161	13.219	ng	-0.01
79) Terphenyl-d14	20.242	244	134543	12.744	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	11.211	128	276742	33.165	ng	99
37) 2-Methylnaphthalene	12.786	142	26958	4.384	ng	99
38) 1-Methylnaphthalene	13.003	142	23500	3.929	ng	100
58) Fluorene	15.970	166	19783	2.506	ng	98
71) Phenanthrene	17.709	178	193020	15.459	ng	98
75) Fluoranthene	19.695	202	218581	14.033	ng	99
78) Pyrene	20.060	202	197470	13.917	ng	99
81) Benzo(a)anthracene	21.934	228	75324	5.557	ng	97
83) Chrysene	22.004	228	69124	5.291	ng	95
87) Indeno(1,2,3-cd)pyrene	29.355	276	49264	2.965	ng	# 95
88) Benzo(b)fluoranthene	24.296	252	86246	6.358	ng	# 97
89) Benzo(k)fluoranthene	24.366	252	30649m	2.243	ng	
90) Benzo(a)pyrene	25.230	252	66786	5.745	ng	98
92) Benzo(g,h,i)perylene	30.588	276	47648	3.517	ng	98

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

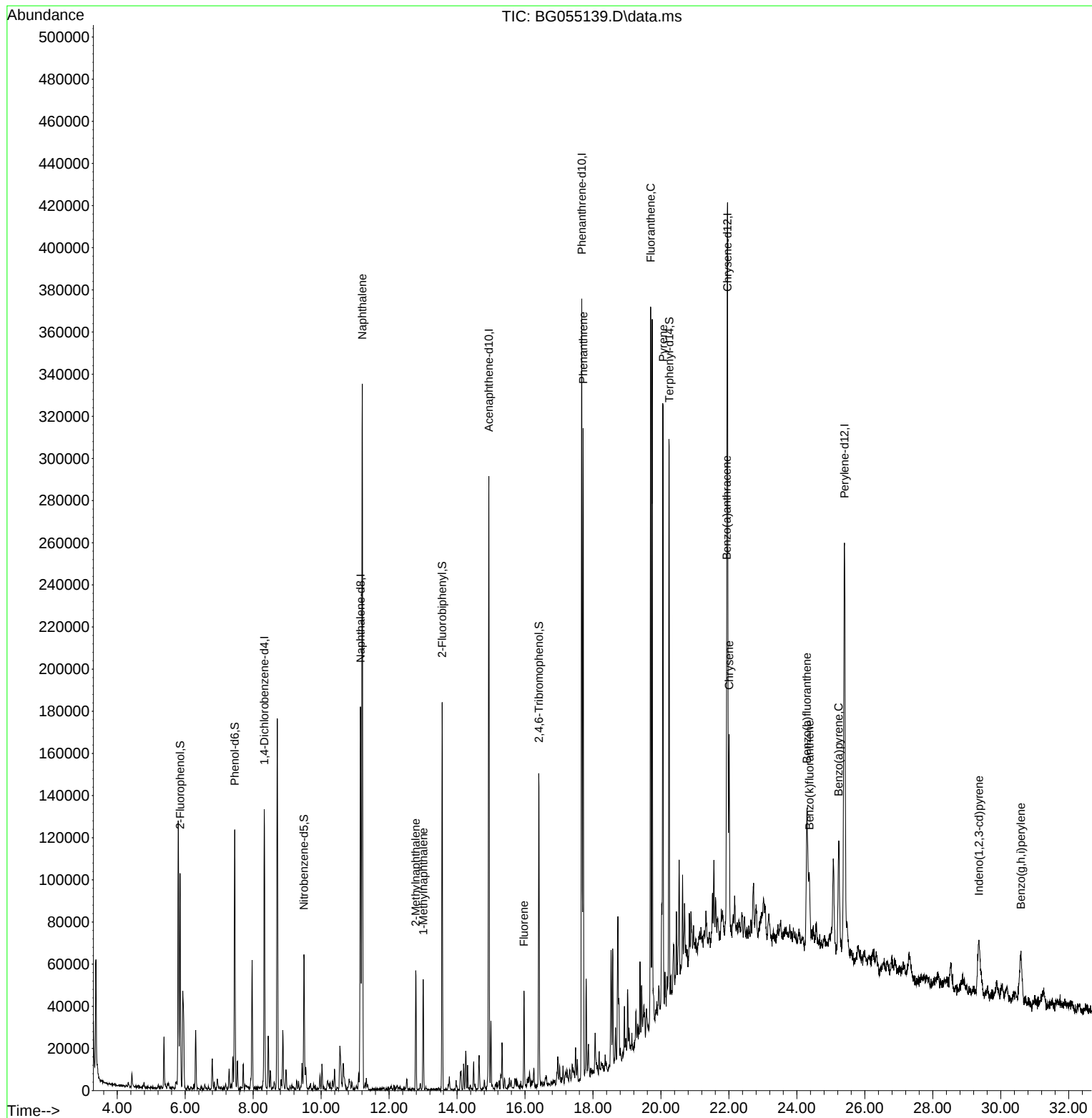
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101222\
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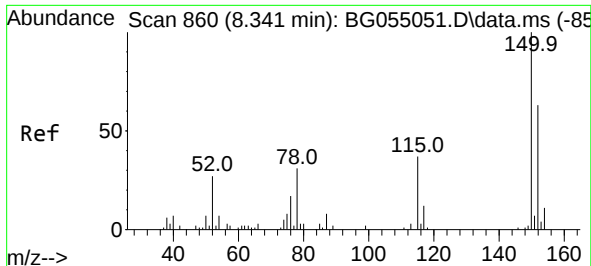
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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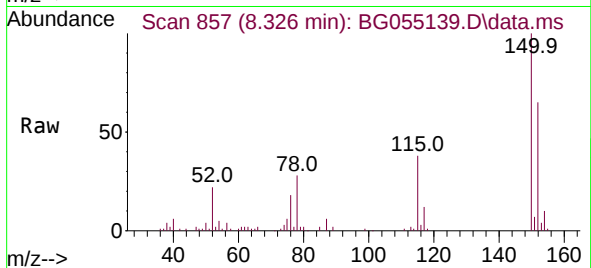
Reviewed By : Christian Giraldo 10/13/2022
Supervised By : Jagrut Upadhyay 10/13/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.326 min Scan# 81
Delta R.T. -0.012 min
Lab File: BG055139.D
Acq: 12 Oct 2022 12:41

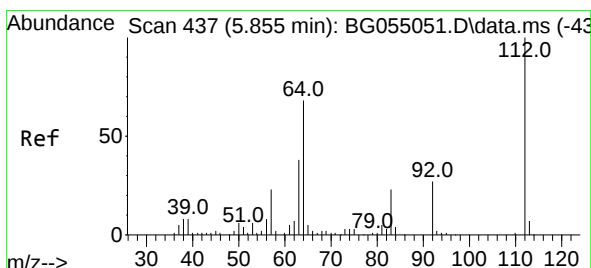
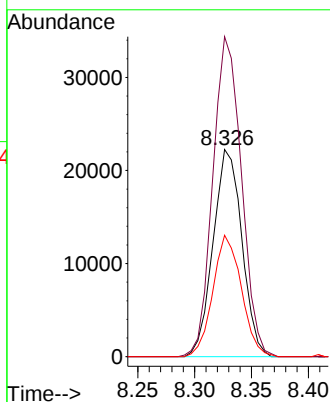
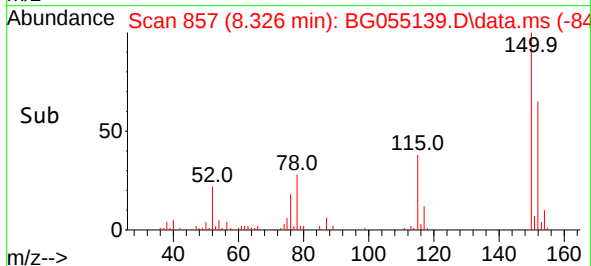
Instrument :
BNA_G
ClientSampleId :
COMP-B-3-VERTDL



Tgt Ion:152 Resp: 39160
Ion Ratio Lower Upper
152 100
150 154.5 128.0 192.0
115 58.6 47.7 71.5

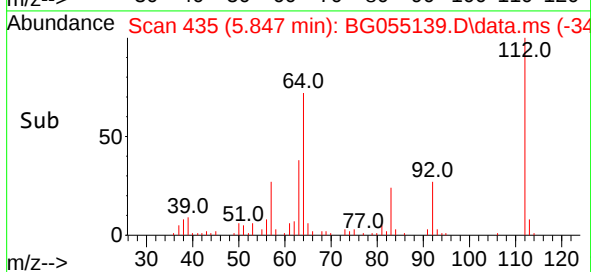
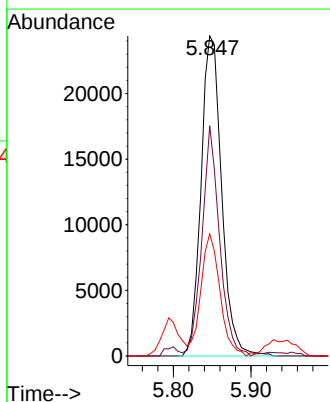
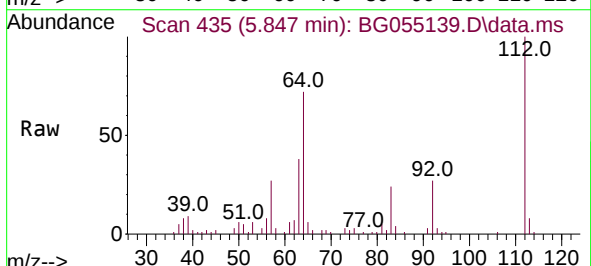
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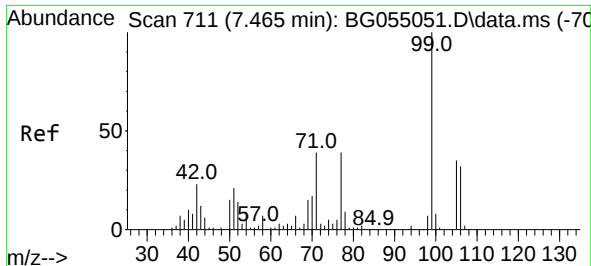
Reviewed By :Christian Giraldo 10/13/2022
Supervised By :Jagrut Upadhyay 10/13/2022



#5
2-Fluorophenol
Concen: 25.497 ng
RT: 5.847 min Scan# 435
Delta R.T. -0.006 min
Lab File: BG055139.D
Acq: 12 Oct 2022 12:41

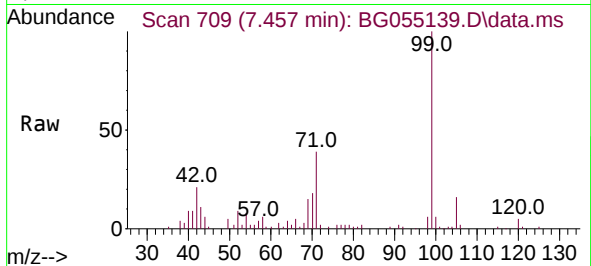
Tgt Ion:112 Resp: 44952
Ion Ratio Lower Upper
112 100
64 71.9 54.5 81.7
63 38.1 30.5 45.7





#7
Phenol-d6
Concen: 22.344 ng
RT: 7.457 min Scan# 70
Delta R.T. -0.006 min
Lab File: BG055139.D
Acq: 12 Oct 2022 12:41

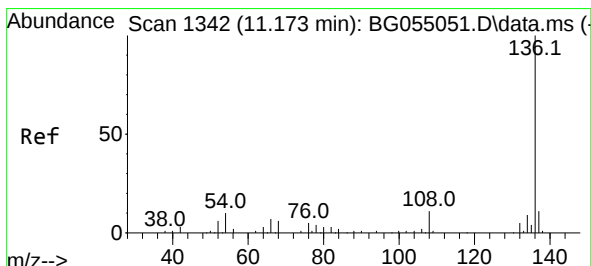
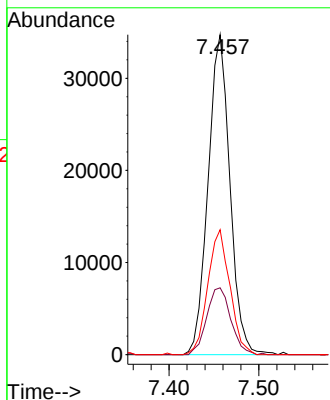
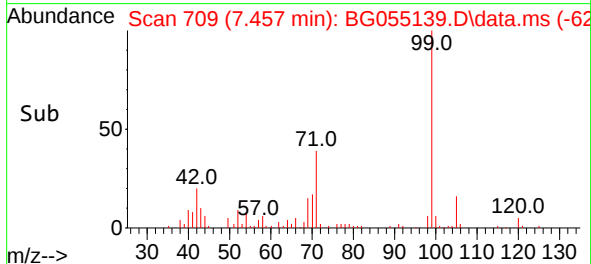
Instrument :
BNA_G
ClientSampleId :
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Tgt Ion: 99 Resp: 59024
Ion Ratio Lower Upper
99 100
42 20.9 18.6 28.0
71 39.0 31.2 46.8

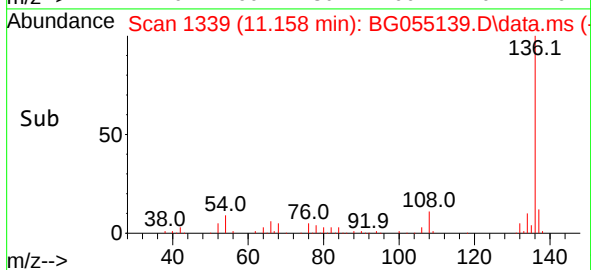
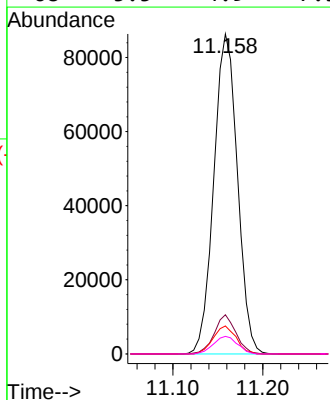
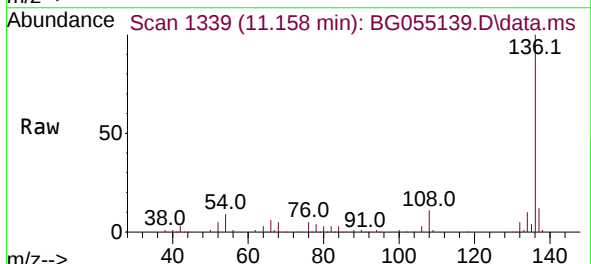
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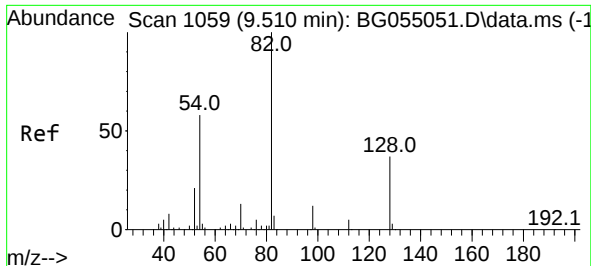
Reviewed By :Christian Giraldo 10/13/2022
Supervised By :Jagrut Upadhyay 10/13/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.158 min Scan# 1339
Delta R.T. -0.011 min
Lab File: BG055139.D
Acq: 12 Oct 2022 12:41

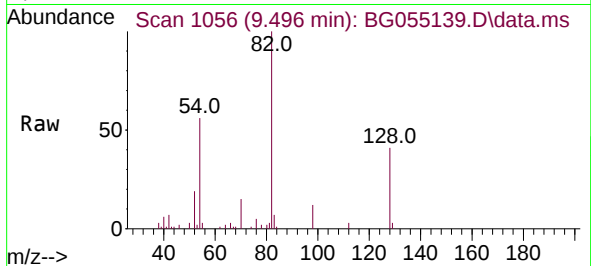
Tgt Ion:136 Resp: 158106
Ion Ratio Lower Upper
136 100
137 12.2 8.7 13.1
54 8.7 8.2 12.4
68 5.5 4.9 7.3





#23
Nitrobenzene-d5
Concen: 14.269 ng
RT: 9.496 min Scan# 1056
Delta R.T. -0.011 min
Lab File: BG055139.D
Acq: 12 Oct 2022 12:41

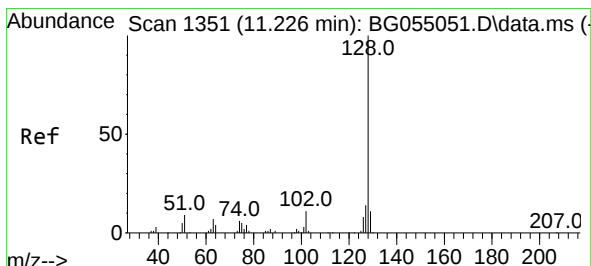
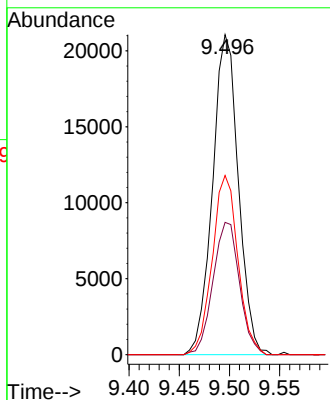
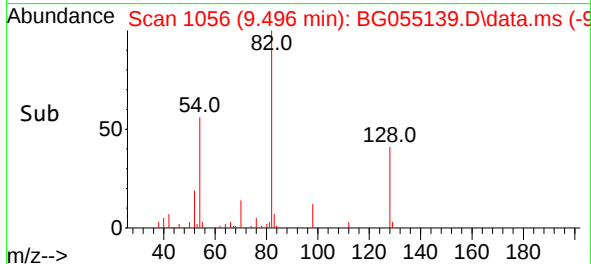
Instrument :
BNA_G
ClientSampleId :
COMP-B-3-VERTDL



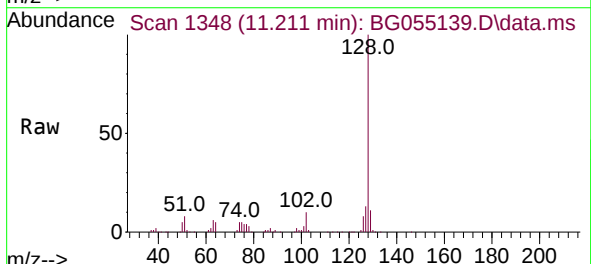
Tgt Ion: 82 Resp: 37756
Ion Ratio Lower Upper
82 100
128 41.3 29.5 44.3
54 56.0 46.7 70.1

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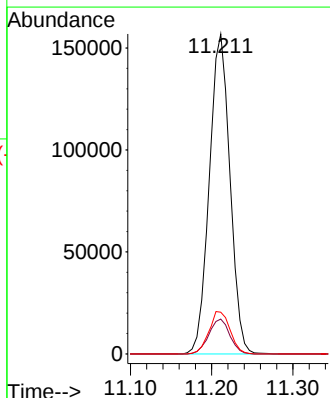
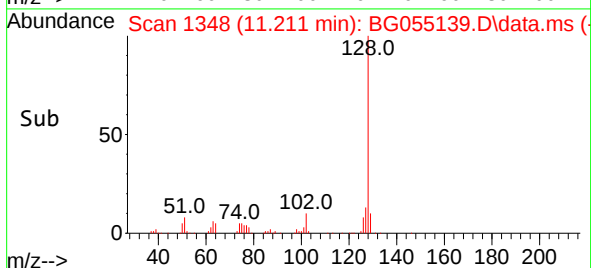
Reviewed By :Christian Giraldo 10/13/2022
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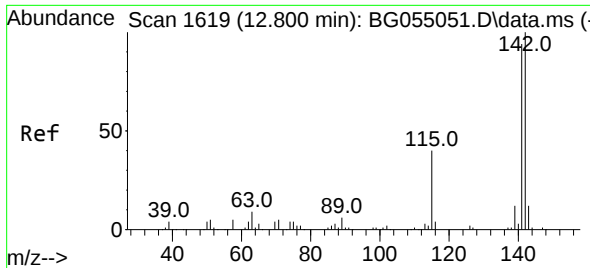


#31
Naphthalene
Concen: 33.165 ng
RT: 11.211 min Scan# 1348
Delta R.T. -0.006 min
Lab File: BG055139.D
Acq: 12 Oct 2022 12:41



Tgt Ion:128 Resp: 276742
Ion Ratio Lower Upper
128 100
129 10.9 8.7 13.1
127 13.0 10.9 16.3





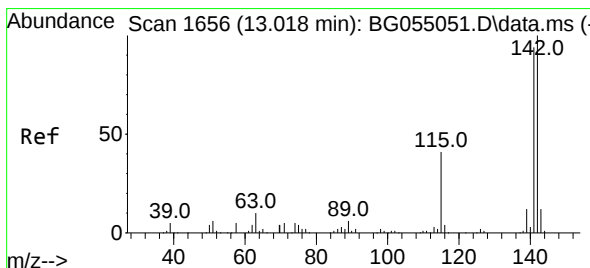
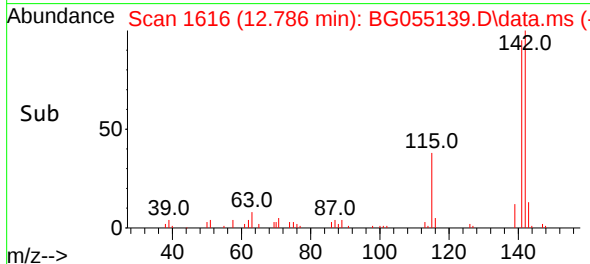
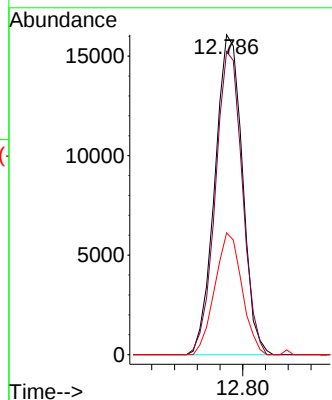
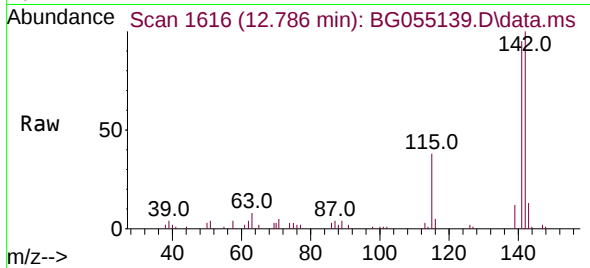
#37
2-Methylnaphthalene
Concen: 4.384 ng
RT: 12.786 min Scan# 1616
Delta R.T. -0.011 min
Lab File: BG055139.D
Acq: 12 Oct 2022 12:41

Instrument :
BNA_G
ClientSampleId :
COMP-B-3-VERTDL

Tgt Ion:142 Resp: 26958
Ion Ratio Lower Upper
142 100
141 94.7 75.0 112.4
115 38.0 31.7 47.5

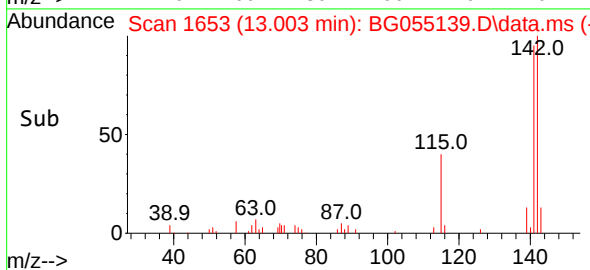
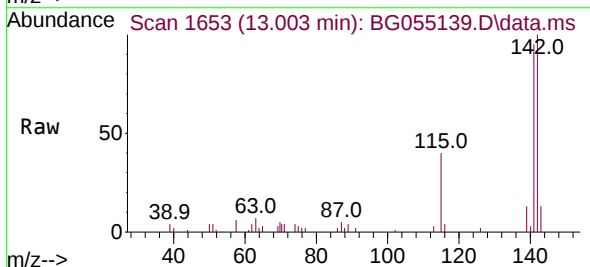
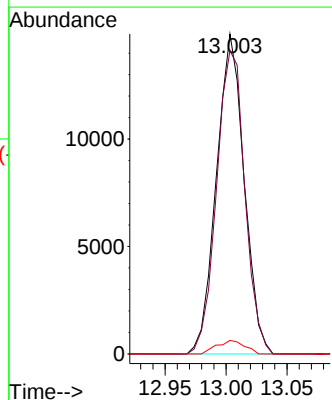
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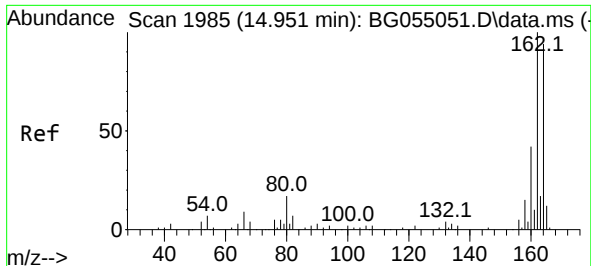
Reviewed By :Christian Giraldo 10/13/2022
Supervised By :Jagrut Upadhyay 10/13/2022



#38
1-Methylnaphthalene
Concen: 3.929 ng
RT: 13.003 min Scan# 1653
Delta R.T. -0.011 min
Lab File: BG055139.D
Acq: 12 Oct 2022 12:41

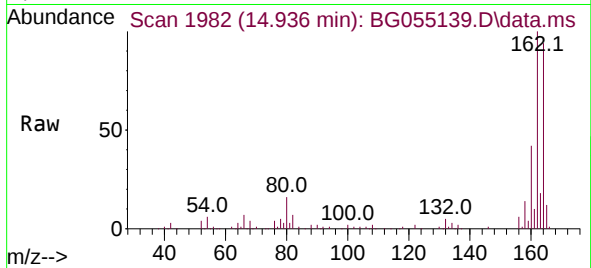
Tgt Ion:142 Resp: 23500
Ion Ratio Lower Upper
142 100
141 94.8 75.5 113.3
116 4.2 3.4 5.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.936 min Scan# 1982
Delta R.T. -0.006 min
Lab File: BG055139.D
Acq: 12 Oct 2022 12:41

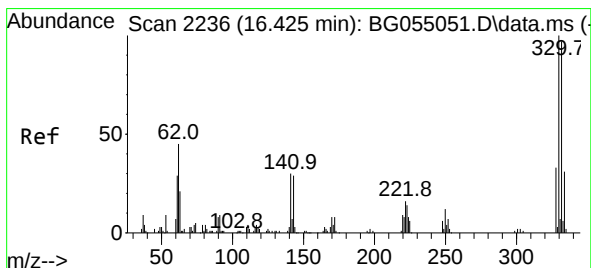
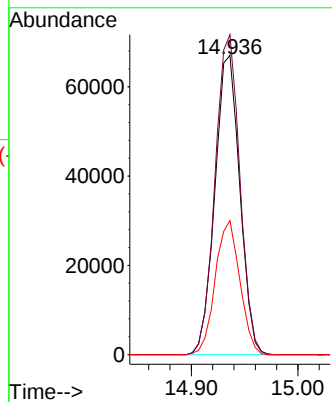
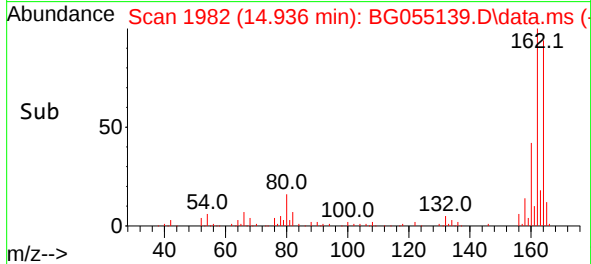
Instrument :
BNA_G
ClientSampleId :
COMP-B-3-VERTDL



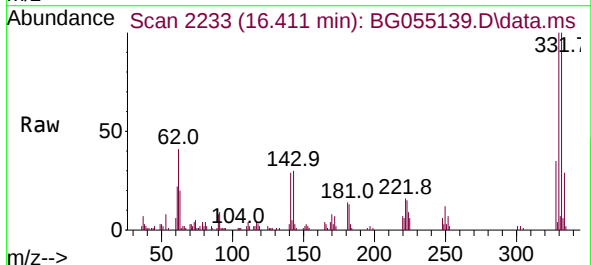
Tgt Ion:164 Resp: 108836
Ion Ratio Lower Upper
164 100
162 106.9 85.5 128.3
160 44.8 35.5 53.3

Manual Integrations
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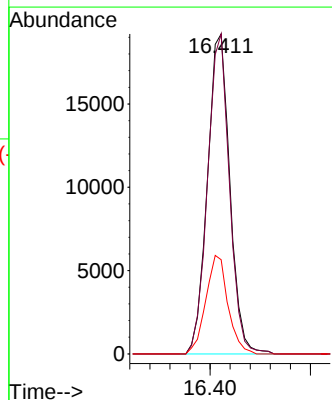
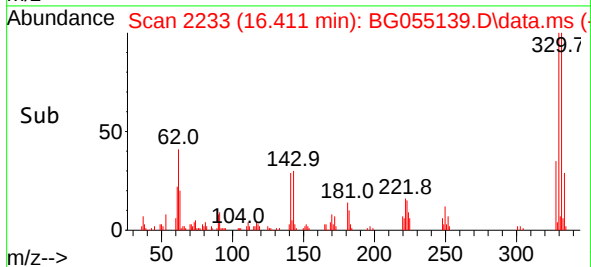
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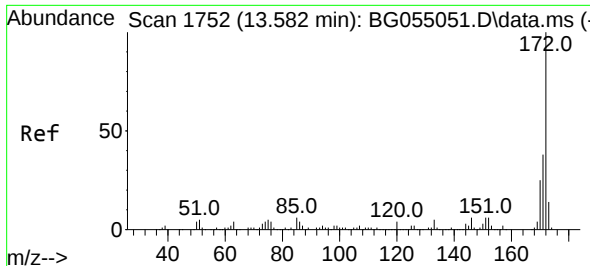


#42
2,4,6-Tribromophenol
Concen: 31.346 ng
RT: 16.411 min Scan# 2233
Delta R.T. -0.006 min
Lab File: BG055139.D
Acq: 12 Oct 2022 12:41



Tgt Ion:330 Resp: 29774
Ion Ratio Lower Upper
330 100
332 97.1 77.4 116.0
141 30.4 25.0 37.4





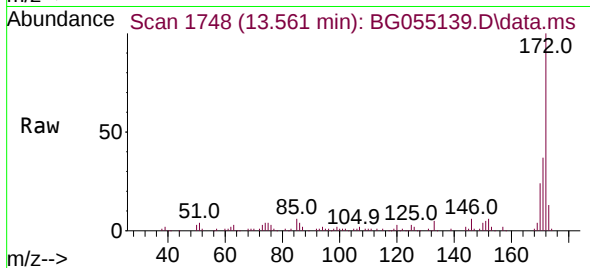
#45
2-Fluorobiphenyl
Concen: 13.219 ng
RT: 13.561 min Scan# 1748
Delta R.T. -0.011 min
Lab File: BG055139.D
Acq: 12 Oct 2022 12:41

Instrument :

BNA_G

ClientSampleId :

COMP-B-3-VERTDL

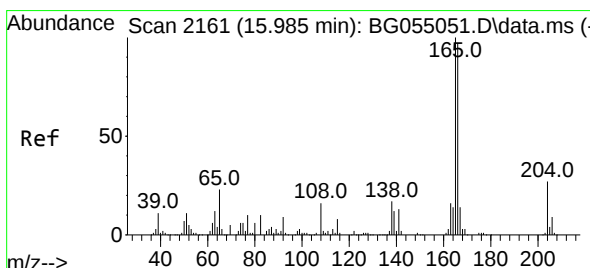
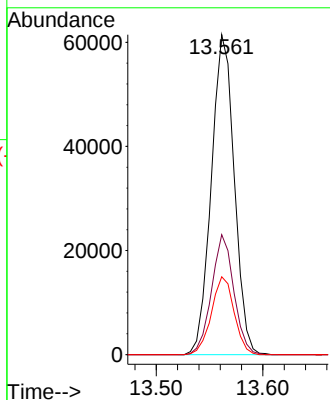
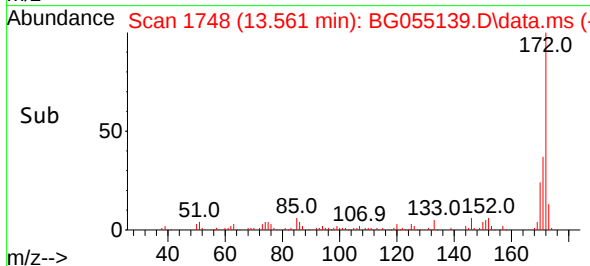


Tgt Ion:172 Resp: 92163
Ion Ratio Lower Upper
172 100
171 37.5 30.1 45.1
170 24.3 20.0 30.0

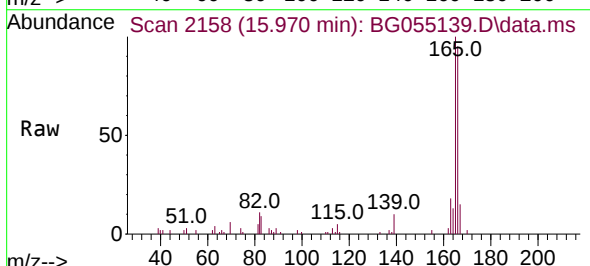
Manual Integrations

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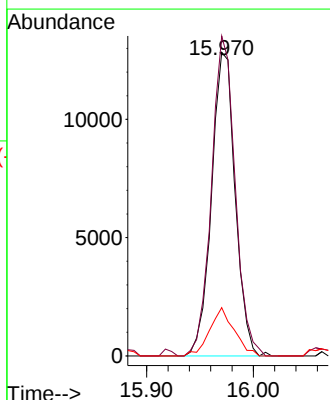
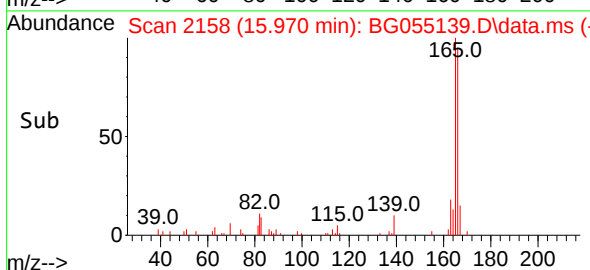
Reviewed By :Christian Giraldo 10/13/2022
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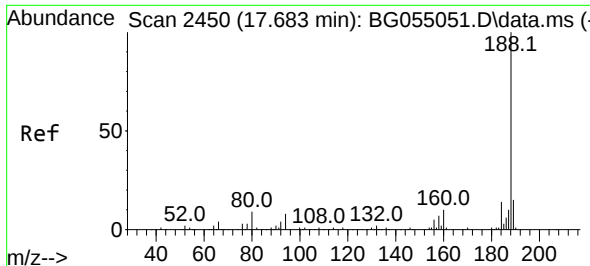


#58
Fluorene
Concen: 2.506 ng
RT: 15.970 min Scan# 2158
Delta R.T. -0.011 min
Lab File: BG055139.D
Acq: 12 Oct 2022 12:41



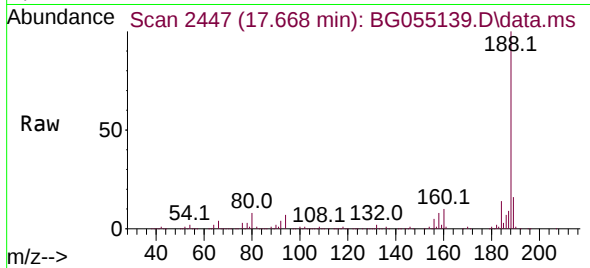
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Ion Ratio Lower Upper
166 100
165 105.4 82.6 123.8
167 15.9 11.8 17.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.668 min Scan# 2447
Delta R.T. -0.006 min
Lab File: BG055139.D
Acq: 12 Oct 2022 12:41

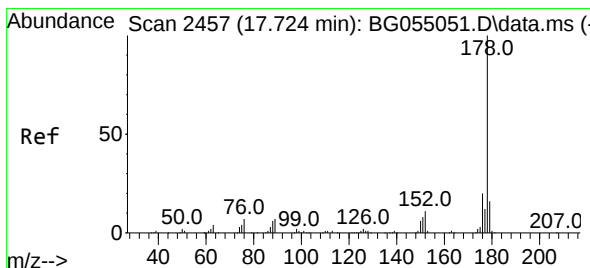
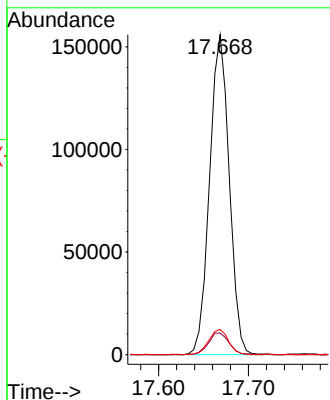
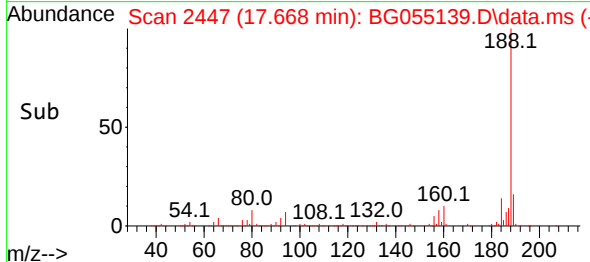
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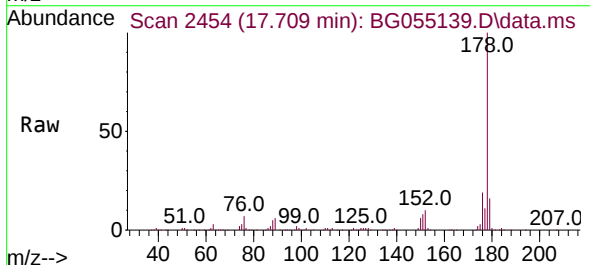
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Ion Ratio Lower Upper
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80 7.9 7.2 10.8

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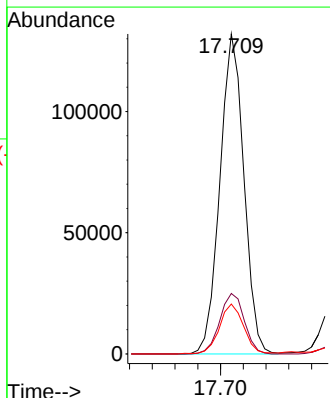
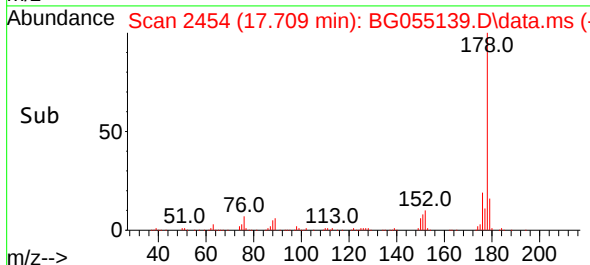
Reviewed By :Christian Giraldo 10/13/2022
Supervised By :Jagrut Upadhyay 10/13/2022

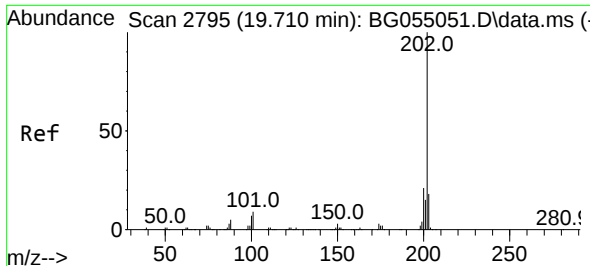


#71
Phenanthrene
Concen: 15.459 ng
RT: 17.709 min Scan# 2454
Delta R.T. -0.011 min
Lab File: BG055139.D
Acq: 12 Oct 2022 12:41



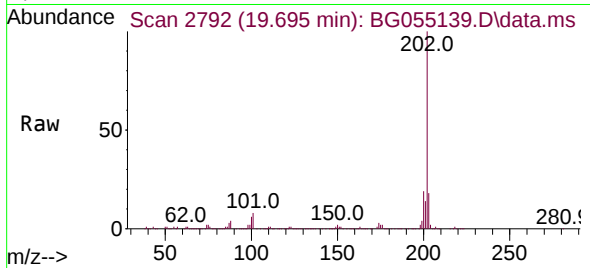
Tgt Ion:178 Resp: 193020
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.6
179 15.6 13.2 19.8





#75
Fluoranthene
Concen: 14.033 ng
RT: 19.695 min Scan# 21858
Delta R.T. -0.011 min
Lab File: BG055139.D
Acq: 12 Oct 2022 12:41

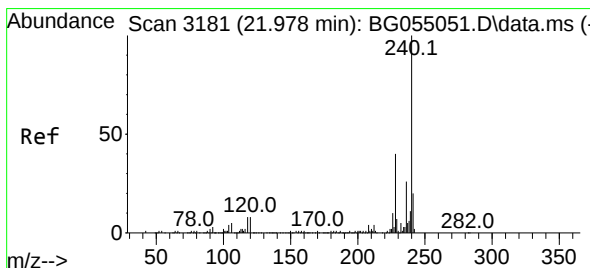
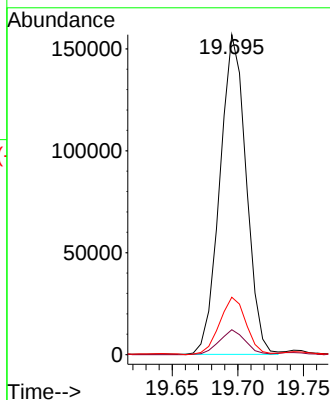
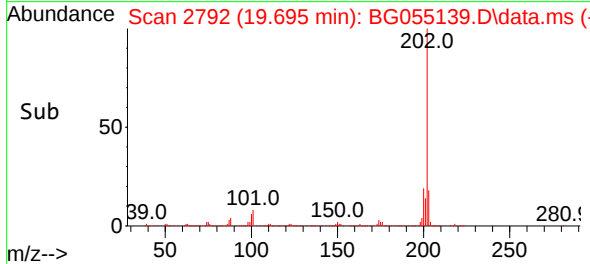
Instrument :
BNA_G
ClientSampleId :
COMP-B-3-VERTDL



Tgt Ion:202 Resp: 21858
Ion Ratio Lower Upper
202 100
101 7.8 0.0 28.9
203 17.9 0.0 37.7

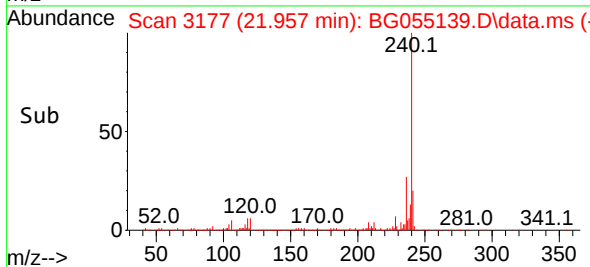
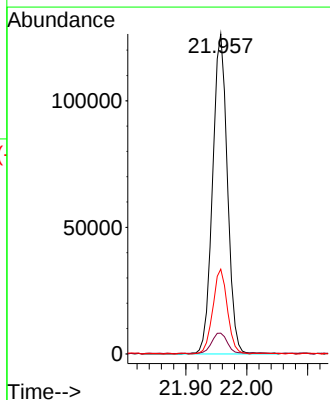
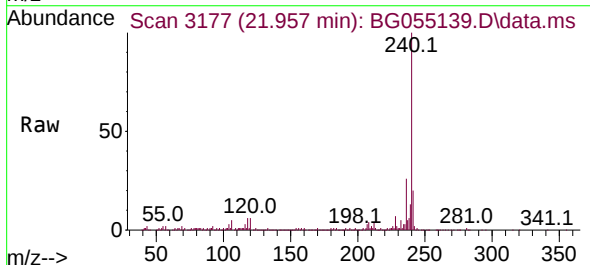
Manual Integrations
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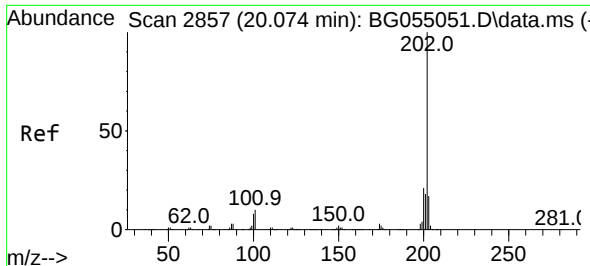
Reviewed By :Christian Giraldo 10/13/2022
Supervised By :Jagrut Upadhyay 10/13/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.957 min Scan# 3177
Delta R.T. -0.011 min
Lab File: BG055139.D
Acq: 12 Oct 2022 12:41

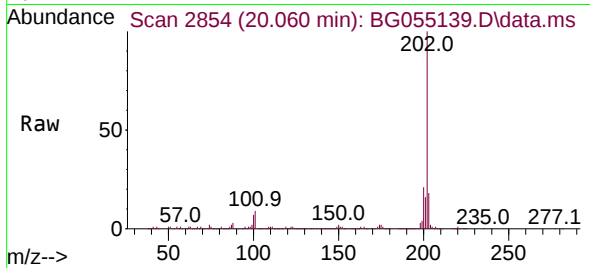
Tgt Ion:240 Resp: 213392
Ion Ratio Lower Upper
240 100
120 6.5 6.2 9.4
236 26.5 20.6 30.8





#78
 Pyrene
 Concen: 13.917 ng
 RT: 20.060 min Scan# 2854
 Delta R.T. -0.006 min
 Lab File: BG055139.D
 Acq: 12 Oct 2022 12:41

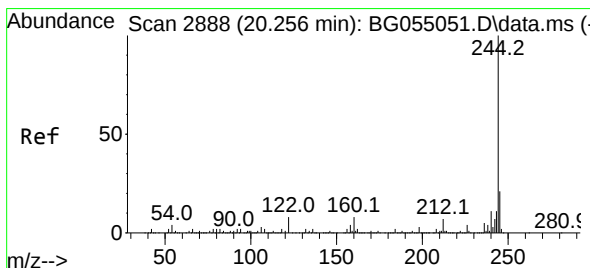
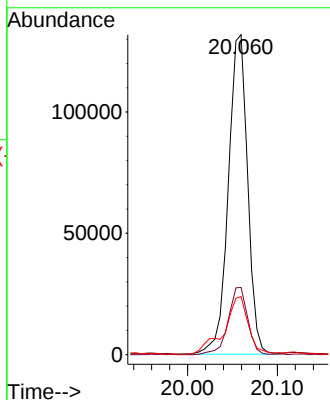
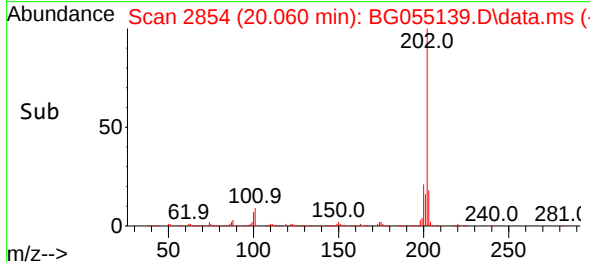
Instrument :
 BNA_G
 ClientSampleId :
 COMP-B-3-VERTDL



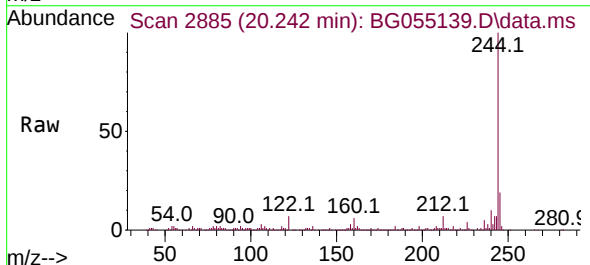
Tgt Ion:202 Resp: 197476
 Ion Ratio Lower Upper
 202 100
 200 21.0 16.6 25.0
 203 18.1 14.0 21.0

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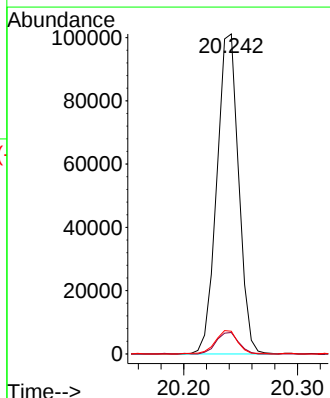
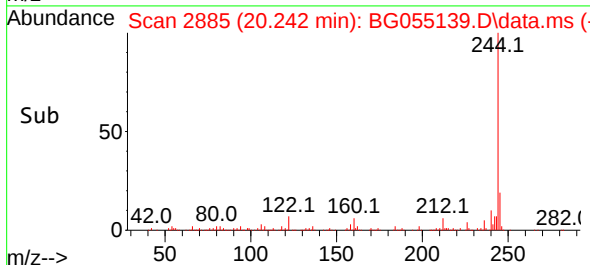
Reviewed By :Christian Giraldo 10/13/2022
 Supervised By :Jagrut Upadhyay 10/13/2022

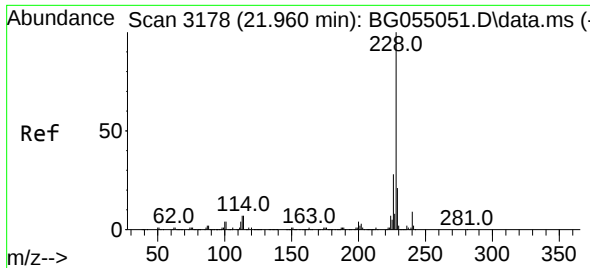


#79
 Terphenyl-d14
 Concen: 12.744 ng
 RT: 20.242 min Scan# 2885
 Delta R.T. -0.011 min
 Lab File: BG055139.D
 Acq: 12 Oct 2022 12:41



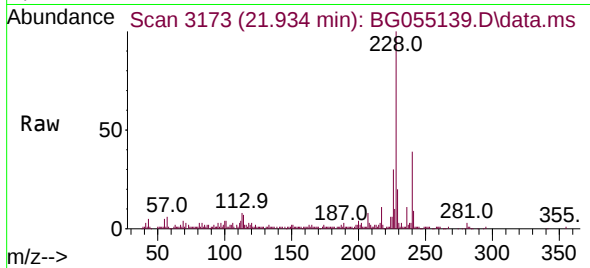
Tgt Ion:244 Resp: 134543
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.0 9.0
 122 7.1 6.6 10.0





#81
Benzo(a)anthracene
Concen: 5.557 ng
RT: 21.934 min Scan# 3173
Delta R.T. -0.017 min
Lab File: BG055139.D
Acq: 12 Oct 2022 12:41

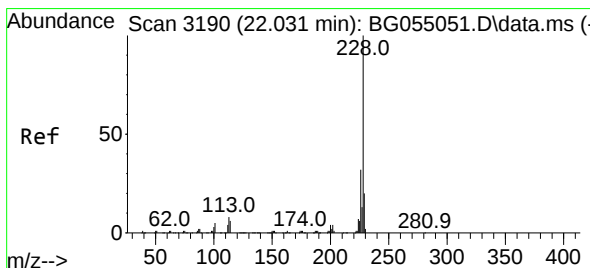
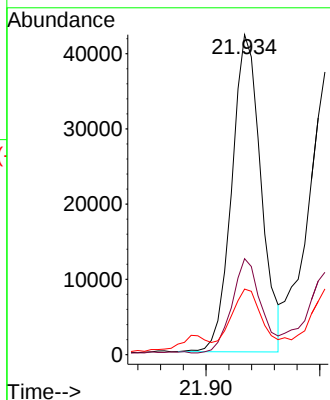
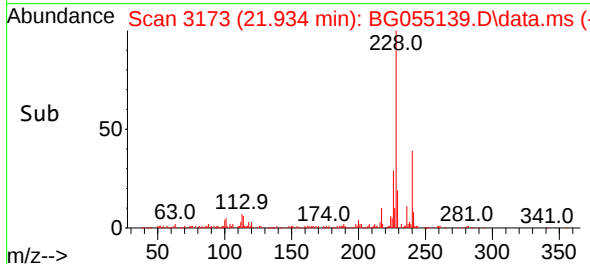
Instrument :
BNA_G
ClientSampleId :
COMP-B-3-VERTDL



Tgt Ion:228 Resp: 75324
Ion Ratio Lower Upper
228 100
226 30.0 22.4 33.6
229 20.5 16.7 25.1

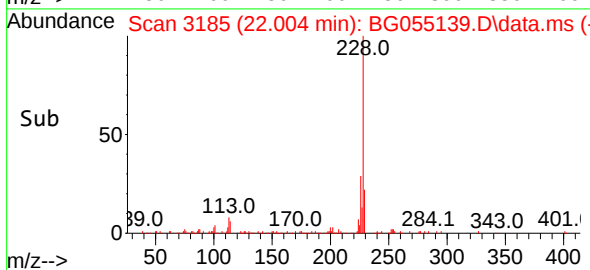
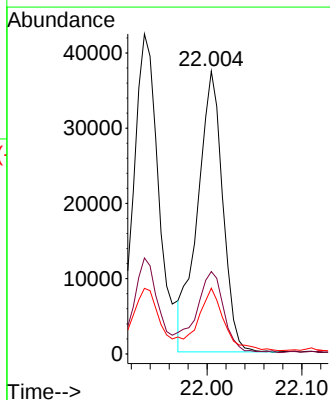
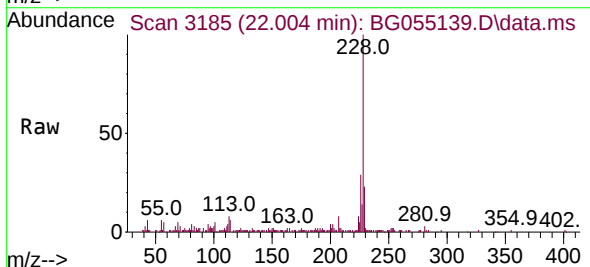
Manual Integrations
APPROVED

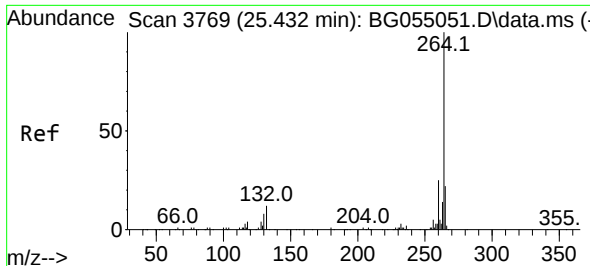
Reviewed By :Christian Giraldo 10/13/2022
Supervised By :Jagrut Upadhyay 10/13/2022



#83
Chrysene
Concen: 5.291 ng
RT: 22.004 min Scan# 3185
Delta R.T. -0.017 min
Lab File: BG055139.D
Acq: 12 Oct 2022 12:41

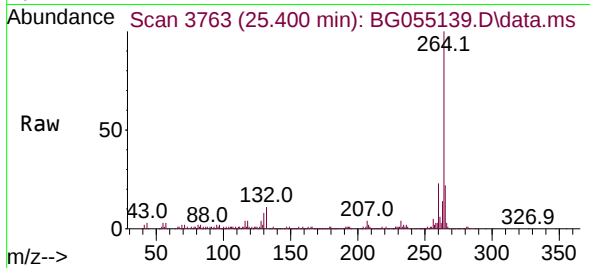
Tgt Ion:228 Resp: 69124
Ion Ratio Lower Upper
228 100
226 29.1 25.3 37.9
229 23.2 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.400 min Scan# 31
Delta R.T. -0.017 min
Lab File: BG055139.D
Acq: 12 Oct 2022 12:41

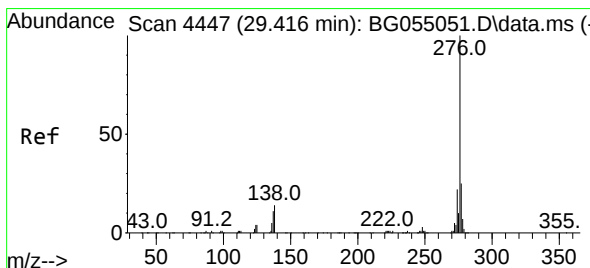
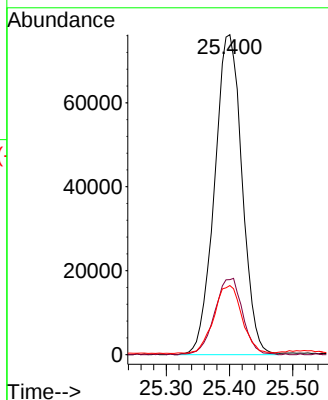
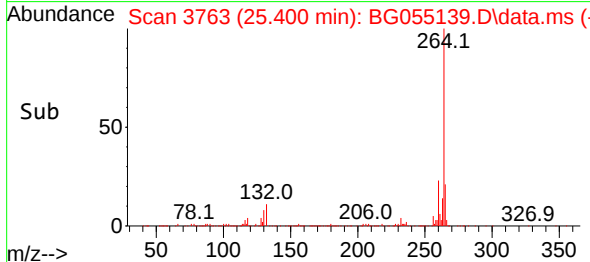
Instrument :
BNA_G
ClientSampleId :
COMP-B-3-VERTDL



Tgt Ion:264 Resp: 230215
Ion Ratio Lower Upper
264 100
260 23.4 19.7 29.5
265 21.6 17.8 26.6

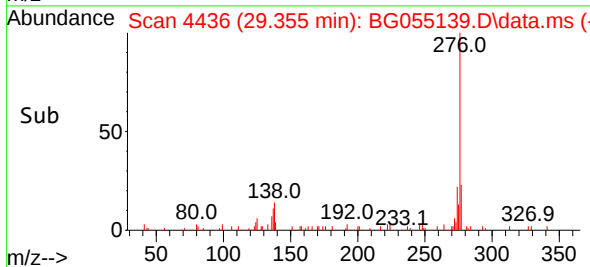
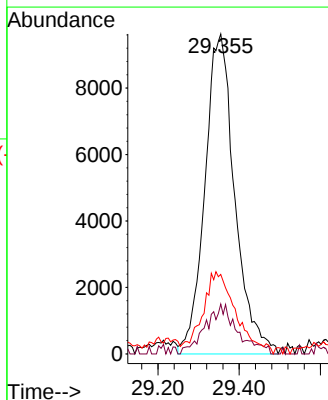
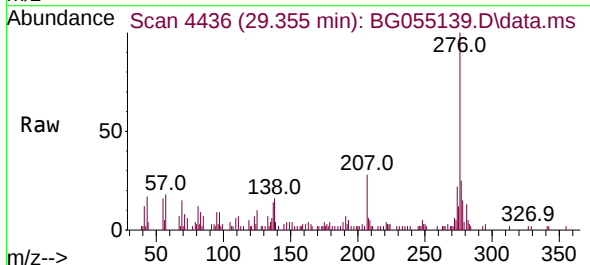
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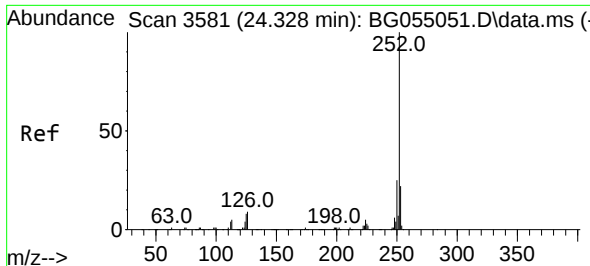
Reviewed By :Christian Giraldo 10/13/2022
Supervised By :Jagrut Upadhyay 10/13/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.965 ng
RT: 29.355 min Scan# 4436
Delta R.T. -0.035 min
Lab File: BG055139.D
Acq: 12 Oct 2022 12:41

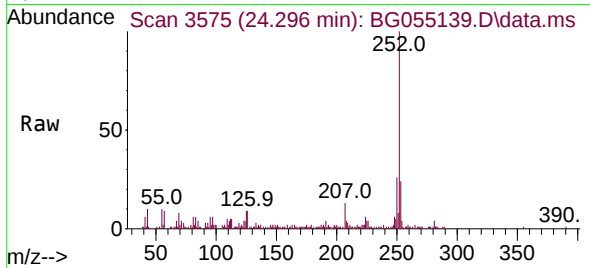
Tgt Ion:276 Resp: 49264
Ion Ratio Lower Upper
276 100
138 6.6 10.0 15.0#
277 24.7 20.0 30.0





#88
Benzo(b)fluoranthene
Concen: 6.358 ng
RT: 24.296 min Scan# 3575
Delta R.T. -0.023 min
Lab File: BG055139.D
Acq: 12 Oct 2022 12:41

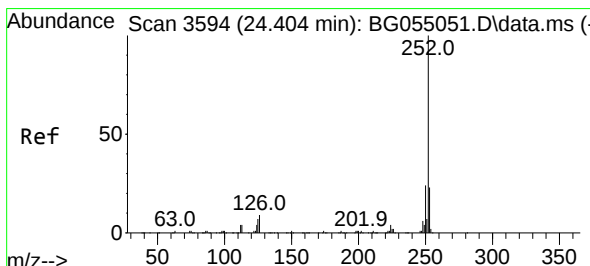
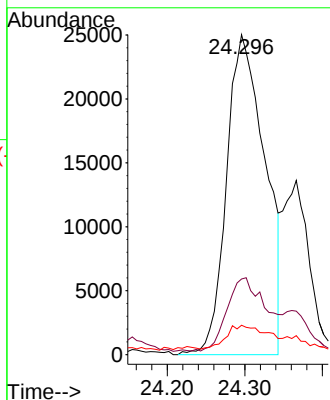
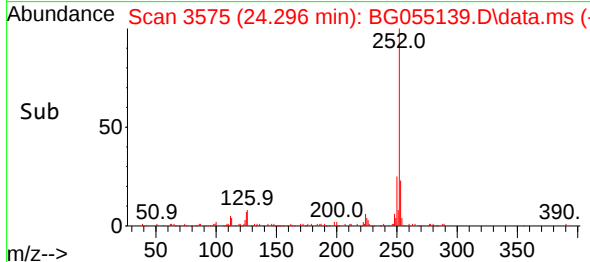
Instrument :
BNA_G
ClientSampleId :
COMP-B-3-VERTDL



Tgt Ion:252 Resp: 86246
Ion Ratio Lower Upper
252 100
253 23.6 17.9 26.9
125 9.2 6.1 9.1

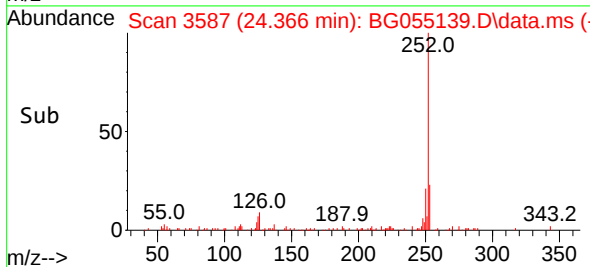
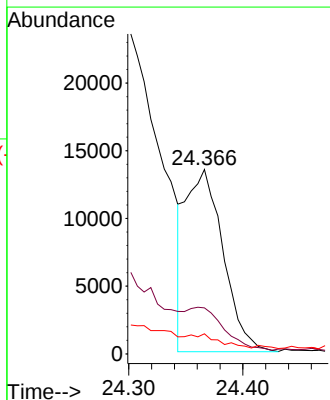
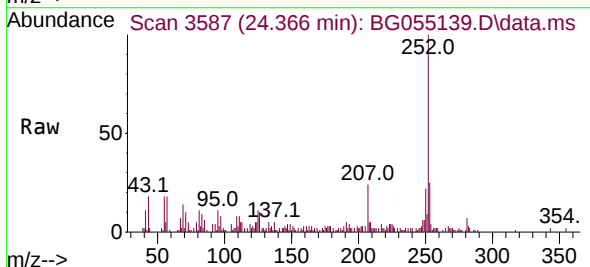
Manual Integrations
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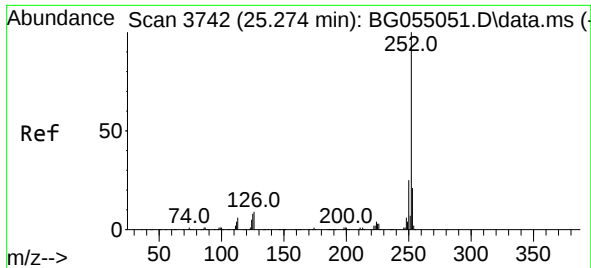
Reviewed By :Christian Giraldo 10/13/2022
Supervised By :Jagrut Upadhyay 10/13/2022



#89
Benzo(k)fluoranthene
Concen: 2.243 ng m
RT: 24.366 min Scan# 3587
Delta R.T. -0.023 min
Lab File: BG055139.D
Acq: 12 Oct 2022 12:41

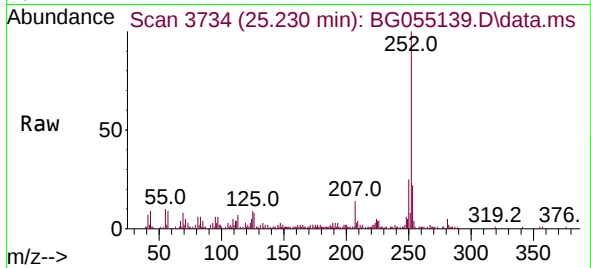
Tgt Ion:252 Resp: 30649
Ion Ratio Lower Upper
252 100
253 24.9 17.9 26.9
125 10.9 5.8 8.6





#90
Benzo(a)pyrene
Concen: 5.745 ng
RT: 25.230 min Scan# 31
Delta R.T. -0.023 min
Lab File: BG055139.D
Acq: 12 Oct 2022 12:41

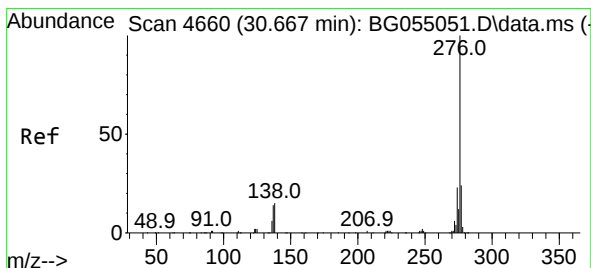
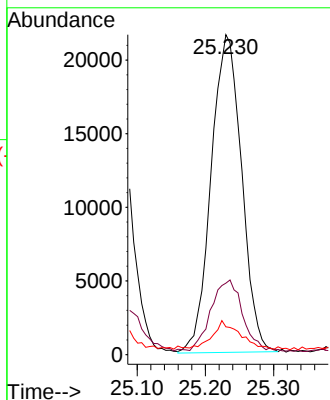
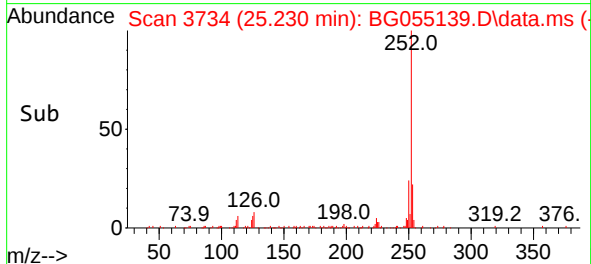
Instrument :
BNA_G
ClientSampleId :
COMP-B-3-VERTDL



Tgt Ion:252 Resp: 66786
Ion Ratio Lower Upper
252 100
253 22.3 16.9 25.3
125 8.7 6.6 9.8

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



#92
Benzo(g,h,i)perylene
Concen: 3.517 ng
RT: 30.588 min Scan# 4646
Delta R.T. -0.041 min
Lab File: BG055139.D
Acq: 12 Oct 2022 12:41

Tgt Ion:276 Resp: 47648
Ion Ratio Lower Upper
276 100
277 22.3 18.8 28.2
138 13.7 11.8 17.6

