

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101122\
 Data File : BG055135.D
 Acq On : 11 Oct 2022 20:48
 Operator : CG/JU
 Sample : N5080-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-6-101022

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 10/12/2022
 Supervised By : Jagrut Upadhyay 10/12/2022

Quant Time: Oct 12 06:22:40 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	8.332	152	45249	20.000	ng	0.00
21) Naphthalene-d8	11.164	136	182973	20.000	ng	0.00
39) Acenaphthene-d10	14.936	164	112456	20.000	ng	0.00
64) Phenanthrene-d10	17.668	188	228219	20.000	ng	0.00
76) Chrysene-d12	21.975	240	220379	20.000	ng	0.00
86) Perylene-d12	25.424	264	206955	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.853	112	273808	134.404	ng	0.00
7) Phenol-d6	7.463	99	368675	120.783	ng	0.00
23) Nitrobenzene-d5	9.501	82	239946	78.360	ng	0.00
42) 2,4,6-Tribromophenol	16.417	330	167408	142.612	ng	0.00
45) 2-Fluorobiphenyl	13.567	172	549815	76.326	ng	0.00
79) Terphenyl-d14	20.265	244	771259	70.735	ng	0.01
Target Compounds						Qvalue
71) Phenanthrene	17.715	178	186080	15.522	ng	98
72) Anthracene	17.803	178	25953	2.226	ng	98
75) Fluoranthene	19.713	202	317475	21.228	ng	94
78) Pyrene	20.077	202	403406	27.529	ng	98
81) Benzo(a)anthracene	21.951	228	204250	14.590	ng	95
83) Chrysene	22.022	228	226355	16.776	ng	97
87) Indeno(1,2,3-cd)pyrene	29.396	276	58575	3.922	ng	# 89
88) Benzo(b)fluoranthene	24.325	252	217546m	17.841	ng	
89) Benzo(k)fluoranthene	24.384	252	79159m	6.444	ng	
90) Benzo(a)pyrene	25.265	252	154938	14.825	ng	# 93
92) Benzo(g,h,i)perylene	30.659	276	51336	4.215	ng	# 92

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

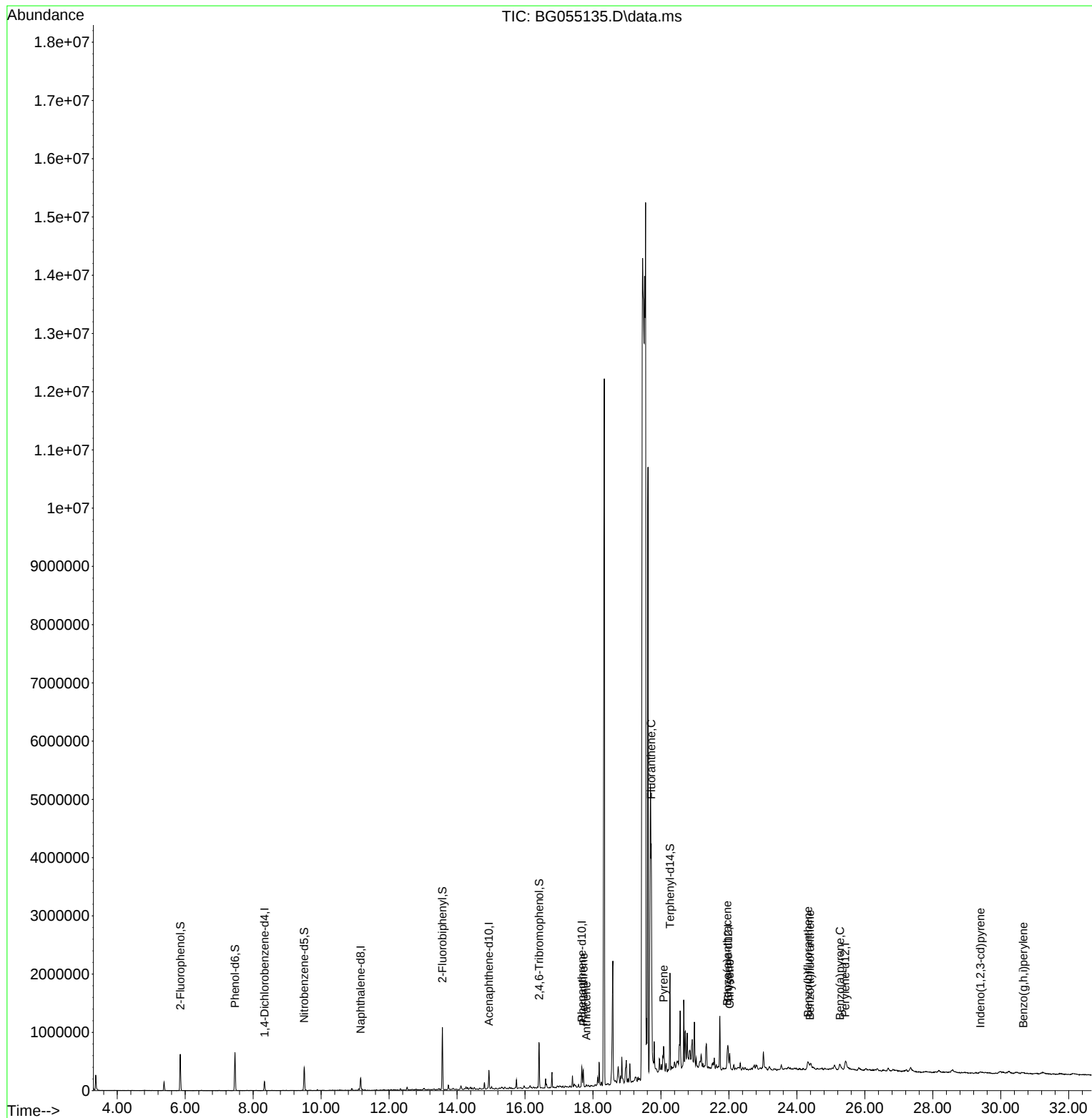
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101122\
Data File : BG055135.D
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Misc :
ALS Vial : 16 Sample Multiplier: 1

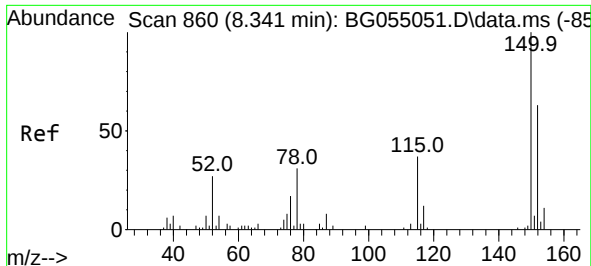
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TR-6-101022

Quant Time: Oct 12 06:22:40 2022
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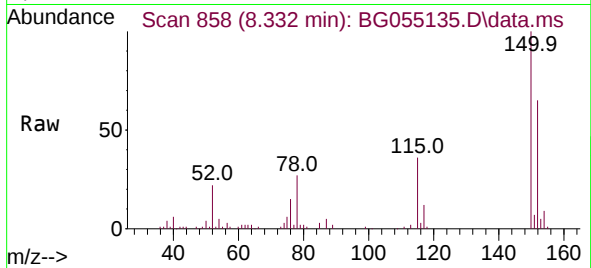
Reviewed By :Christian Giraldo 10/12/2022
Supervised By :Jagrut Upadhyay 10/12/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.332 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG055135.D
Acq: 11 Oct 2022 20:48

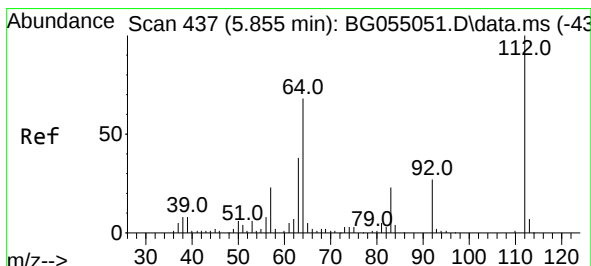
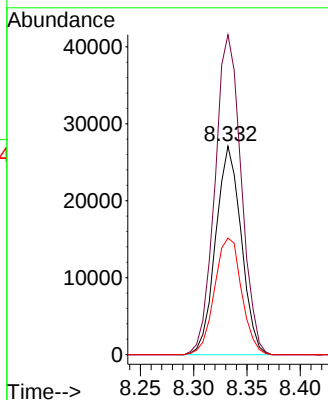
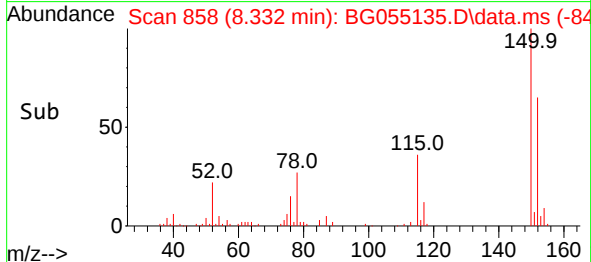
Instrument :
BNA_G
ClientSampleId :
TR-6-101022



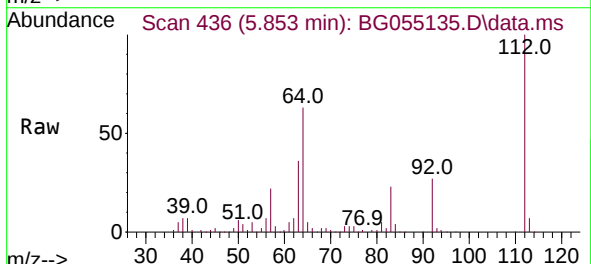
Tgt Ion:152 Resp: 45249
Ion Ratio Lower Upper
152 100
150 153.6 128.0 192.0
115 55.9 47.7 71.5

Manual Integrations
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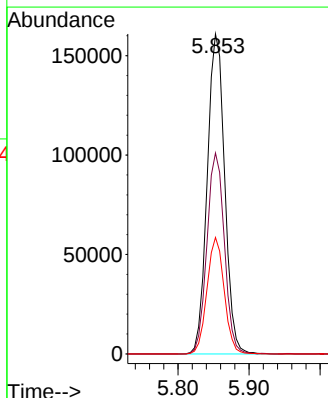
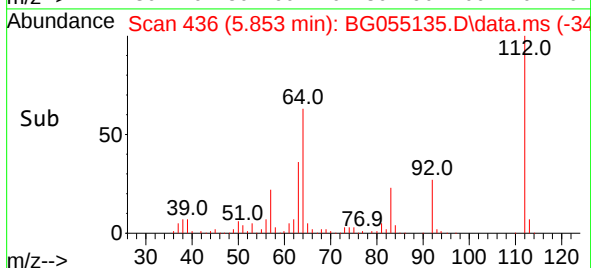
Reviewed By :Christian Giraldo 10/12/2022
Supervised By :Jagrut Upadhyay 10/12/2022

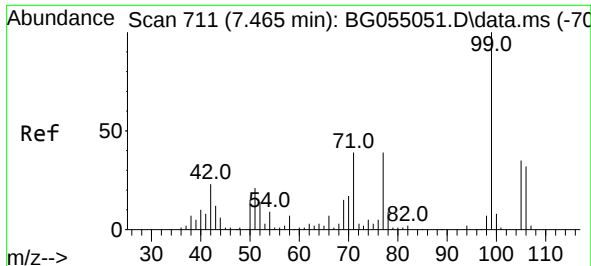


#5
2-Fluorophenol
Concen: 134.404 ng
RT: 5.853 min Scan# 436
Delta R.T. 0.000 min
Lab File: BG055135.D
Acq: 11 Oct 2022 20:48



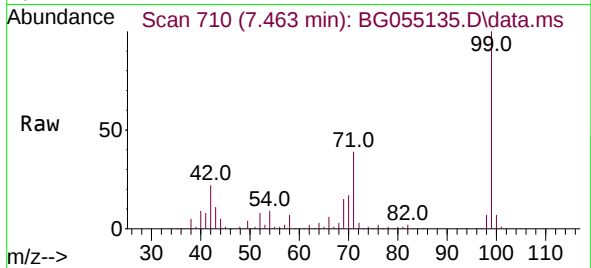
Tgt Ion:112 Resp: 273808
Ion Ratio Lower Upper
112 100
64 62.8 54.5 81.7
63 36.4 30.5 45.7





#7
Phenol-d6
Concen: 120.783 ng
RT: 7.463 min Scan# 711
Delta R.T. 0.000 min
Lab File: BG055135.D
Acq: 11 Oct 2022 20:48

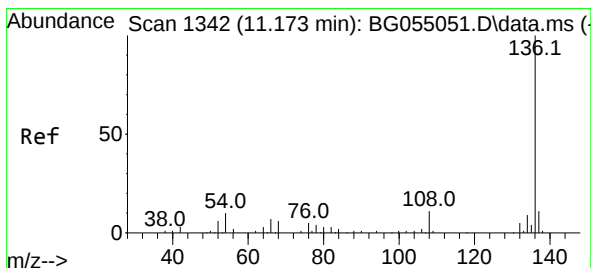
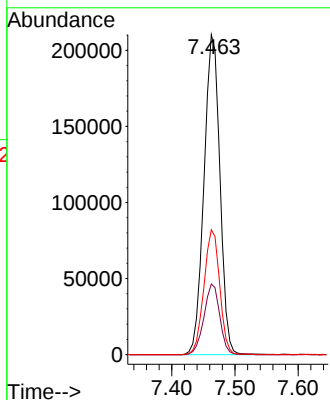
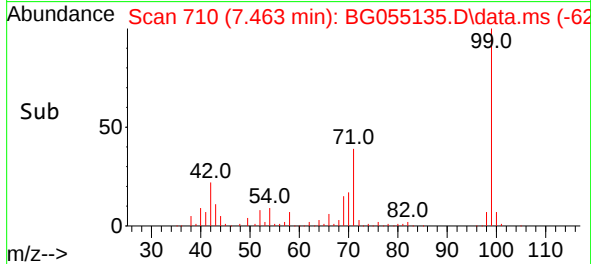
Instrument :
BNA_G
ClientSampleId :
TR-6-101022



Tgt Ion: 99 Resp: 368675
Ion Ratio Lower Upper
99 100
42 22.1 18.6 28.0
71 39.0 31.2 46.8

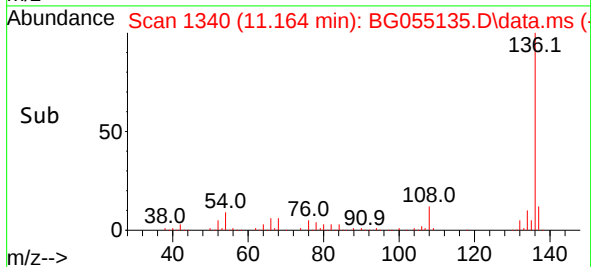
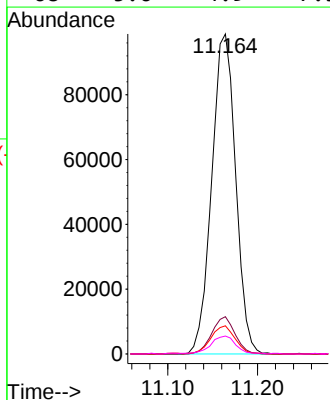
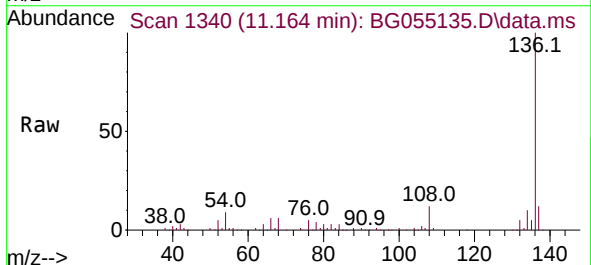
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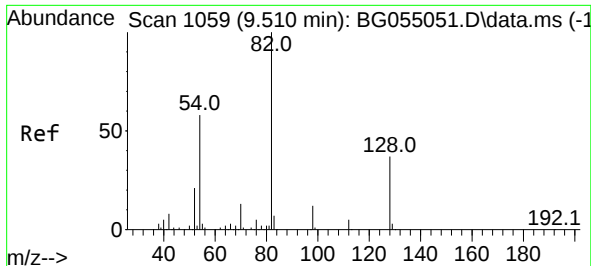
Reviewed By :Christian Giraldo 10/12/2022
Supervised By :Jagrut Upadhyay 10/12/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.164 min Scan# 1340
Delta R.T. -0.006 min
Lab File: BG055135.D
Acq: 11 Oct 2022 20:48

Tgt Ion:136 Resp: 182973
Ion Ratio Lower Upper
136 100
137 11.6 8.7 13.1
54 8.8 8.2 12.4
68 5.6 4.9 7.3





#23

Nitrobenzene-d5

Concen: 78.360 ng

RT: 9.501 min Scan# 1057

Delta R.T. -0.006 min

Lab File: BG055135.D

Acq: 11 Oct 2022 20:48

Instrument :

BNA_G

ClientSampleId :

TR-6-101022

Tgt Ion: 82 Resp: 239946

Ion Ratio Lower Upper

82 100

128 42.4 29.5 44.3

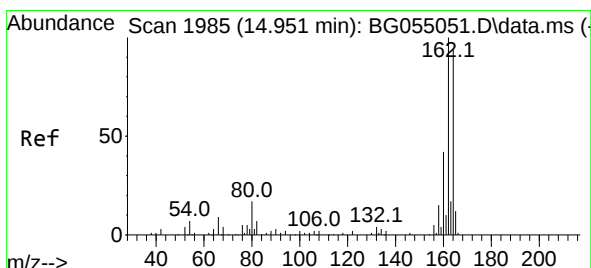
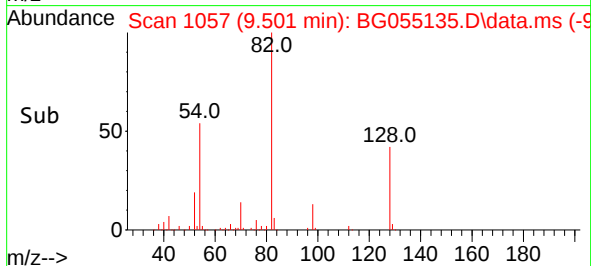
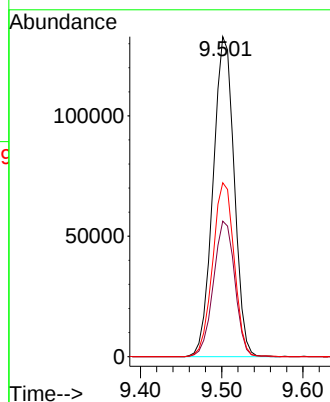
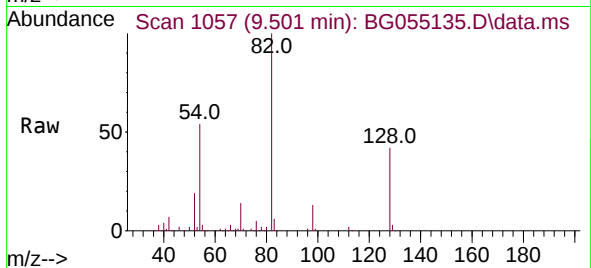
54 54.4 46.7 70.1

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.936 min Scan# 1982

Delta R.T. -0.006 min

Lab File: BG055135.D

Acq: 11 Oct 2022 20:48

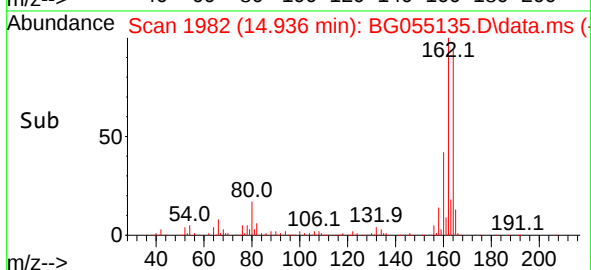
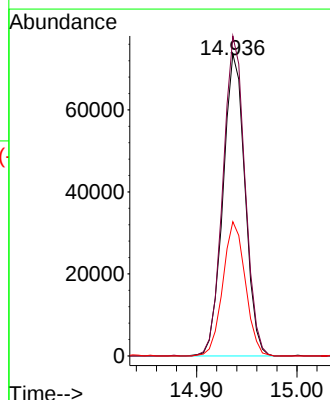
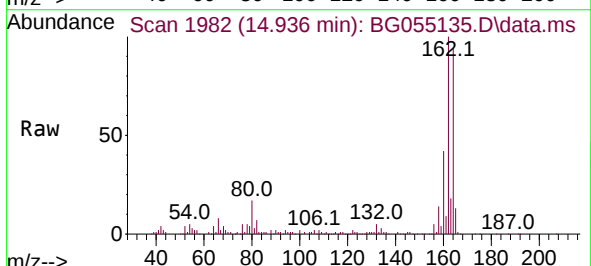
Tgt Ion:164 Resp: 112456

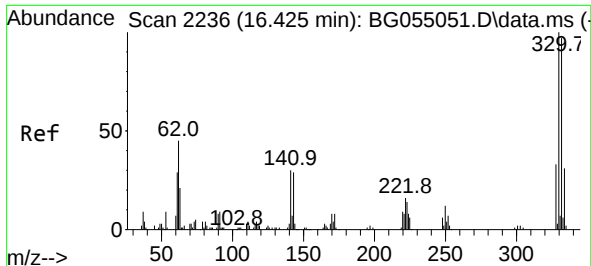
Ion Ratio Lower Upper

164 100

162 106.0 85.5 128.3

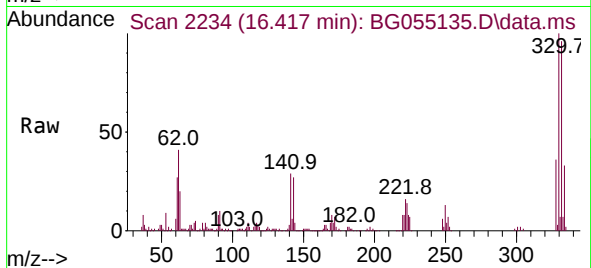
160 44.4 35.5 53.3





#42
2,4,6-Tribromophenol
Concen: 142.612 ng
RT: 16.417 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG055135.D
Acq: 11 Oct 2022 20:48

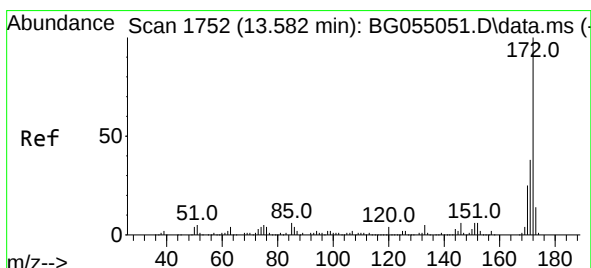
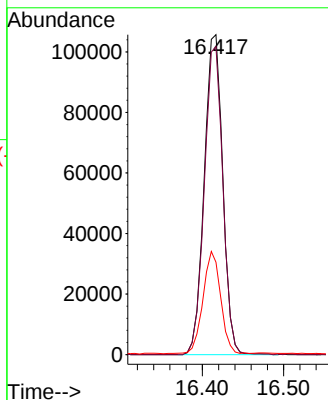
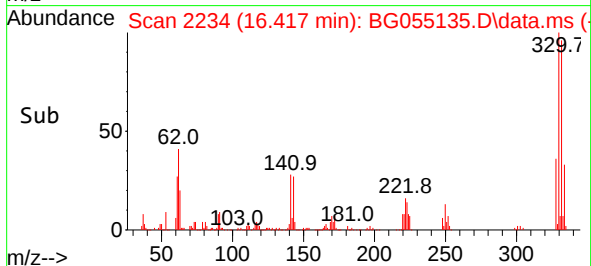
Instrument :
BNA_G
ClientSampleId :
TR-6-101022



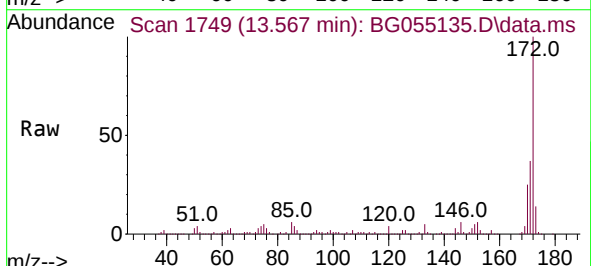
Tgt Ion:330 Resp: 167408
Ion Ratio Lower Upper
330 100
332 96.3 77.4 116.0
141 30.5 25.0 37.4

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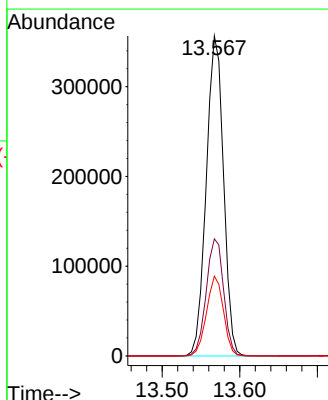
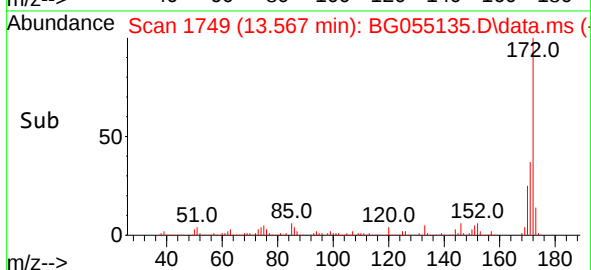
Reviewed By :Christian Giraldo 10/12/2022
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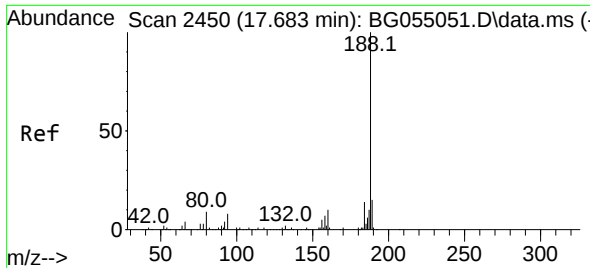


#45
2-Fluorobiphenyl
Concen: 76.326 ng
RT: 13.567 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BG055135.D
Acq: 11 Oct 2022 20:48



Tgt Ion:172 Resp: 549815
Ion Ratio Lower Upper
172 100
171 36.6 30.1 45.1
170 24.9 20.0 30.0





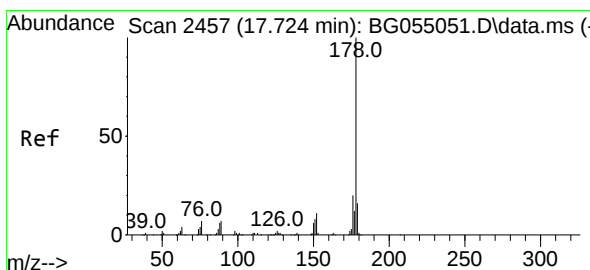
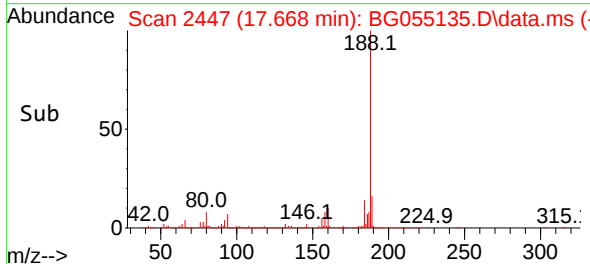
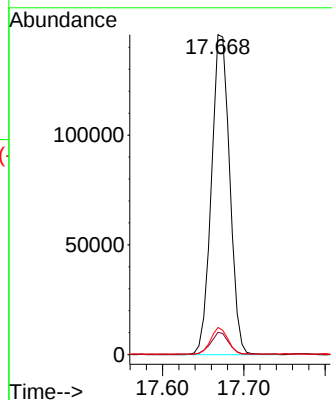
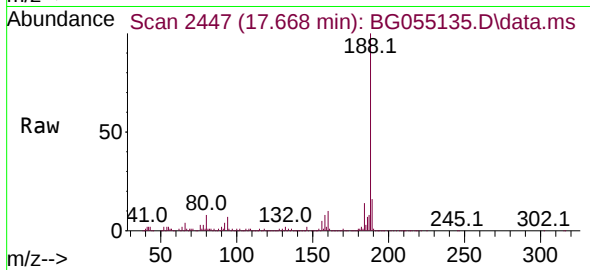
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.668 min Scan# 2447
Delta R.T. -0.006 min
Lab File: BG055135.D
Acq: 11 Oct 2022 20:48

Instrument :
BNA_G
ClientSampleId :
TR-6-101022

Tgt Ion:188 Resp: 228219
Ion Ratio Lower Upper
188 100
94 7.0 6.2 9.2
80 8.5 7.2 10.8

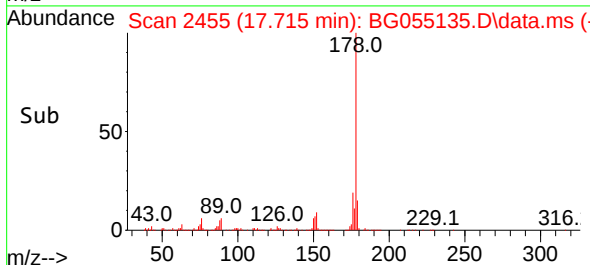
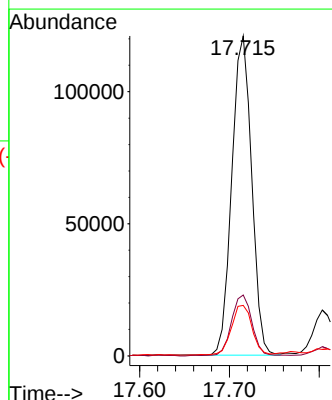
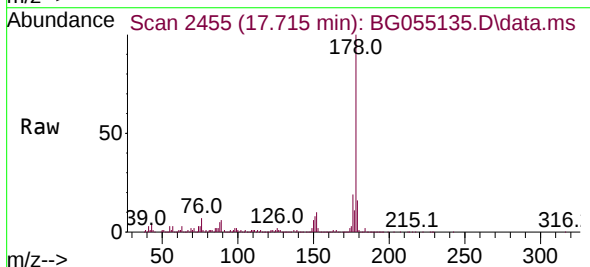
Manual Integrations
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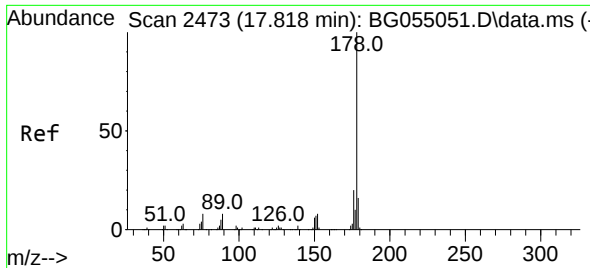
Reviewed By :Christian Giraldo 10/12/2022
Supervised By :Jagrut Upadhyay 10/12/2022



#71
Phenanthrene
Concen: 15.522 ng
RT: 17.715 min Scan# 2455
Delta R.T. -0.006 min
Lab File: BG055135.D
Acq: 11 Oct 2022 20:48

Tgt Ion:178 Resp: 186080
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.6
179 15.8 13.2 19.8





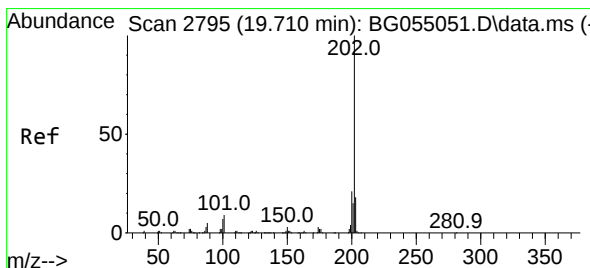
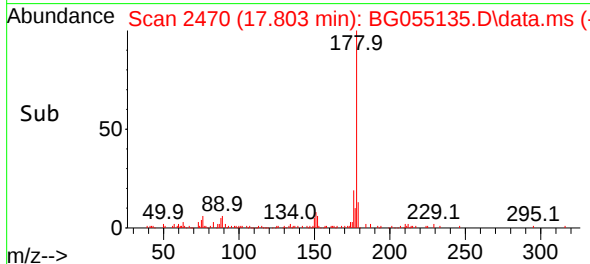
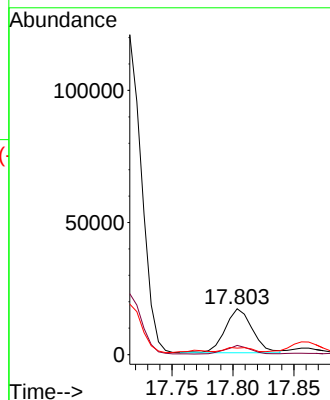
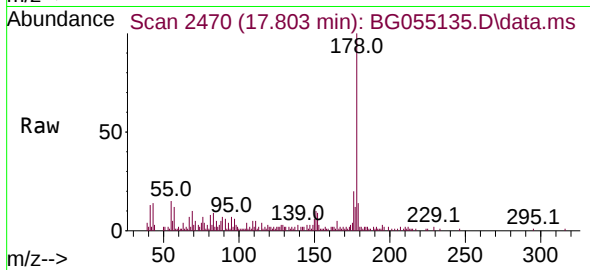
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 Anthracene
 Concen: 2.226 ng
 RT: 17.803 min Scan# 2473
 Delta R.T. -0.006 min
 Lab File: BG055135.D
 Acq: 11 Oct 2022 20:48

Instrument :
 BNA_G
 ClientSampleId :
 TR-6-101022

Tgt Ion:178 Resp: 25953
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.7 23.5
 179 14.2 12.5 18.7

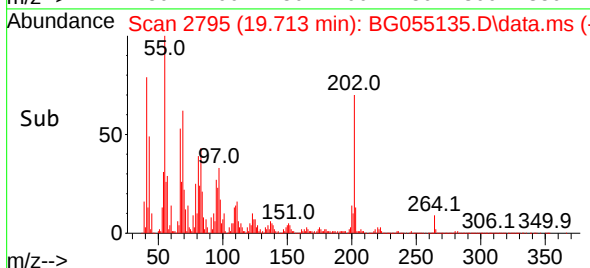
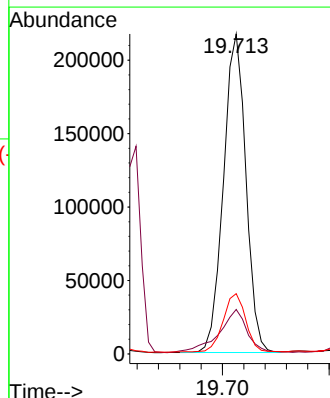
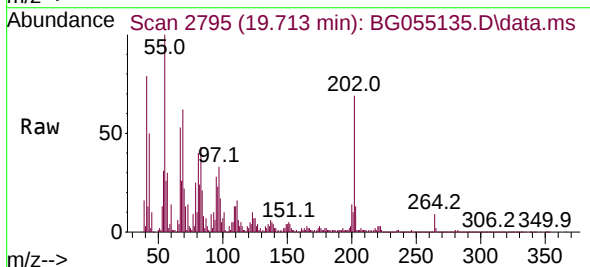
Manual Integrations
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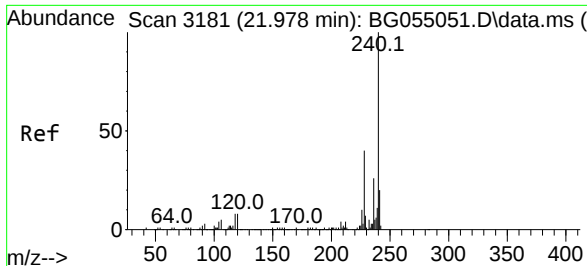
Reviewed By :Christian Giraldo 10/12/2022
 Supervised By :Jagrut Upadhyay 10/12/2022



#75
 Fluoranthene
 Concen: 21.228 ng
 RT: 19.713 min Scan# 2795
 Delta R.T. 0.006 min
 Lab File: BG055135.D
 Acq: 11 Oct 2022 20:48

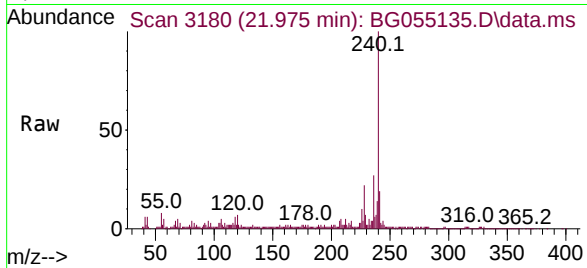
Tgt Ion:202 Resp: 317475
 Ion Ratio Lower Upper
 202 100
 101 13.9 0.0 28.9
 203 18.8 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.975 min Scan# 3181
Delta R.T. 0.006 min
Lab File: BG055135.D
Acq: 11 Oct 2022 20:48

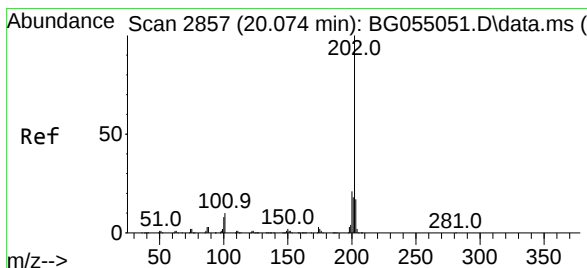
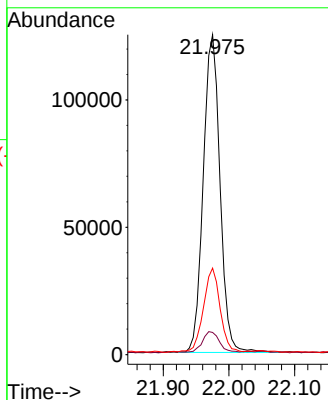
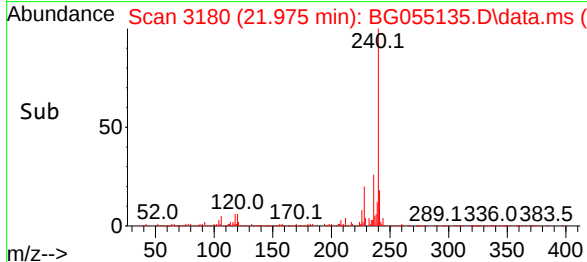
Instrument :
BNA_G
ClientSampleId :
TR-6-101022



Tgt Ion:240 Resp: 220379
Ion Ratio Lower Upper
240 100
120 6.9 6.2 9.4
236 27.0 20.6 30.8

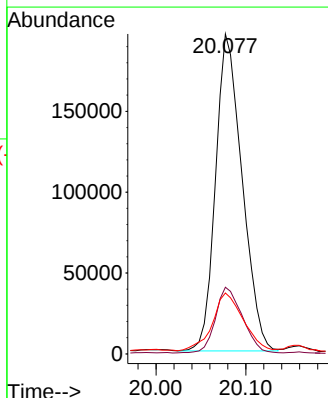
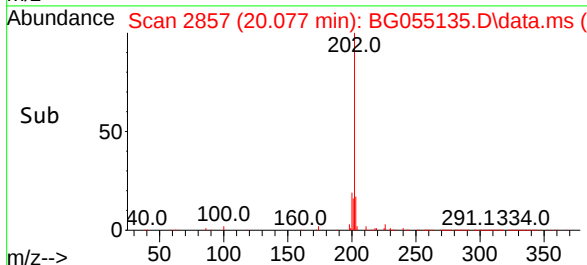
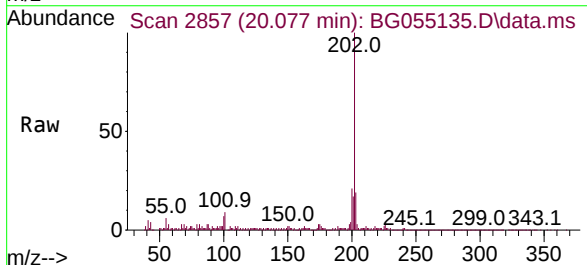
Manual Integrations
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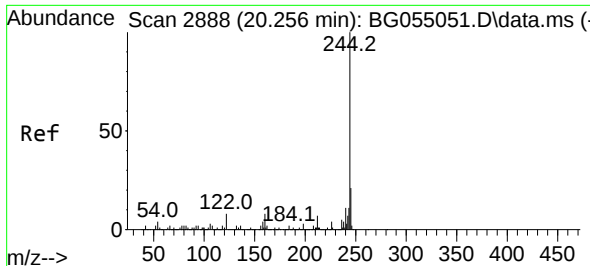
Reviewed By :Christian Giraldo 10/12/2022
Supervised By :Jagrut Upadhyay 10/12/2022



#78
Pyrene
Concen: 27.529 ng
RT: 20.077 min Scan# 2857
Delta R.T. 0.012 min
Lab File: BG055135.D
Acq: 11 Oct 2022 20:48

Tgt Ion:202 Resp: 403406
Ion Ratio Lower Upper
202 100
200 20.8 16.6 25.0
203 19.0 14.0 21.0





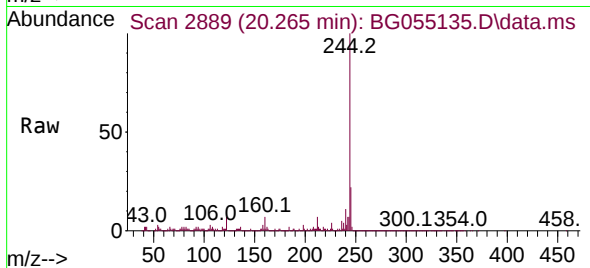
#79
 Terphenyl-d14
 Concen: 70.735 ng
 RT: 20.265 min Scan# 2888
 Delta R.T. 0.012 min
 Lab File: BG055135.D
 Acq: 11 Oct 2022 20:48

Instrument :

BNA_G

ClientSampleId :

TR-6-101022

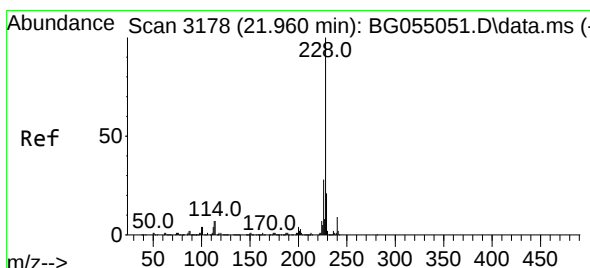
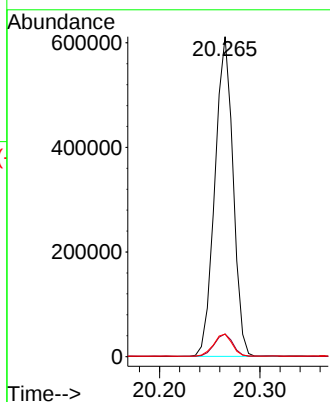
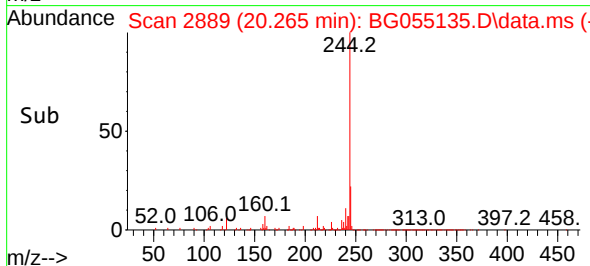


Tgt Ion:244 Resp: 771259
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 7.0 6.6 10.0

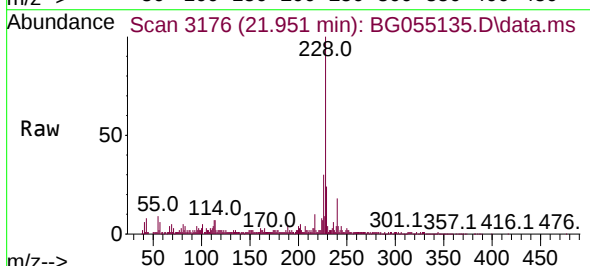
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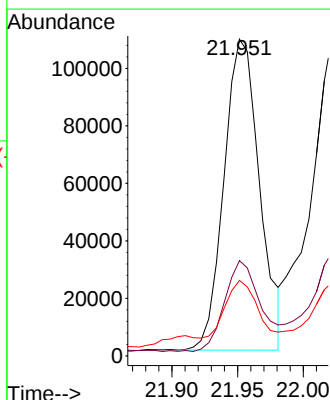
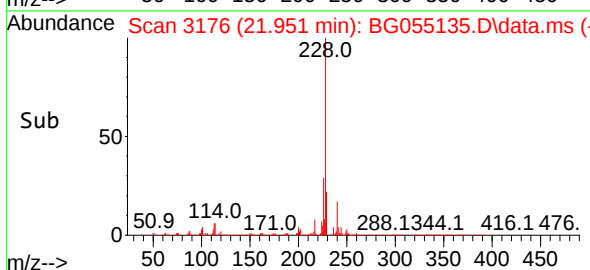
Reviewed By :Christian Giraldo 10/12/2022
 Supervised By :Jagrut Upadhyay 10/12/2022

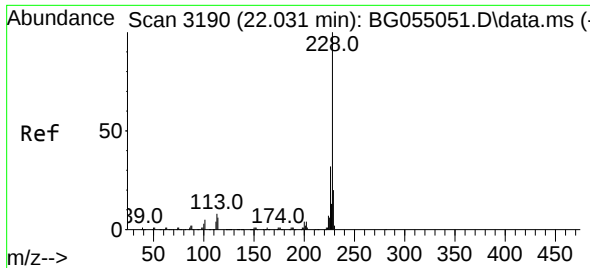


#81
 Benzo(a)anthracene
 Concen: 14.590 ng
 RT: 21.951 min Scan# 3176
 Delta R.T. 0.000 min
 Lab File: BG055135.D
 Acq: 11 Oct 2022 20:48



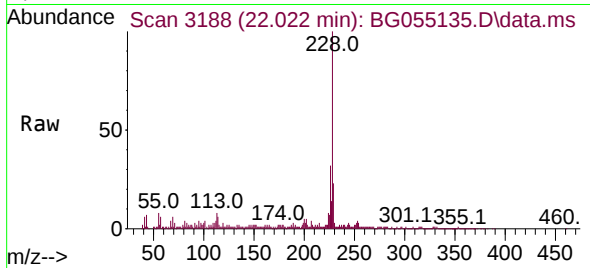
Tgt Ion:228 Resp: 204250
 Ion Ratio Lower Upper
 228 100
 226 30.1 22.4 33.6
 229 23.8 16.7 25.1





#83
Chrysene
Concen: 16.776 ng
RT: 22.022 min Scan# 3190
Delta R.T. 0.000 min
Lab File: BG055135.D
Acq: 11 Oct 2022 20:48

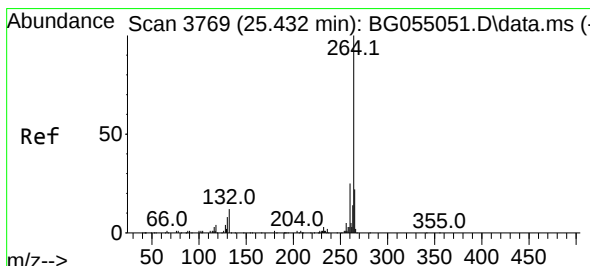
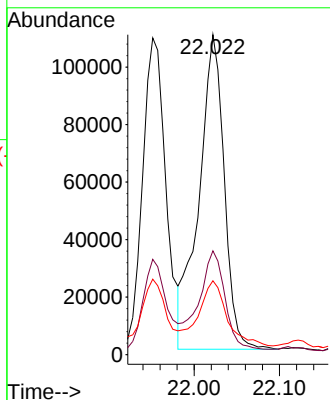
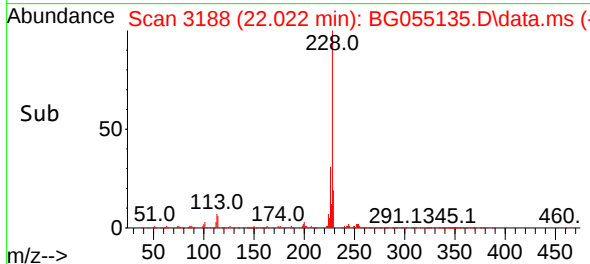
Instrument :
BNA_G
ClientSampleId :
TR-6-101022



Tgt Ion:228 Resp: 226355
Ion Ratio Lower Upper
228 100
226 32.5 25.3 37.9
229 23.1 16.1 24.1

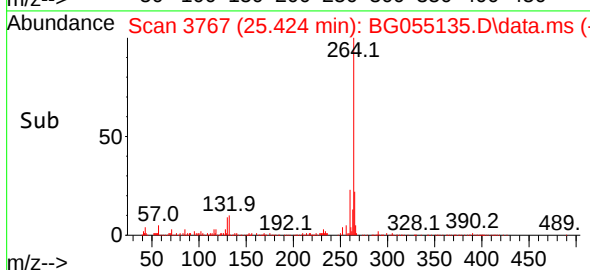
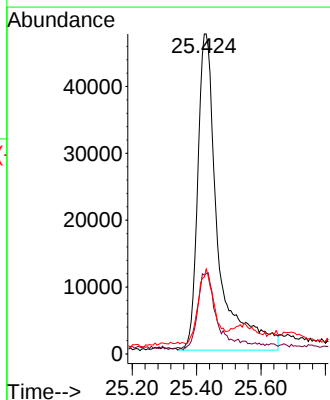
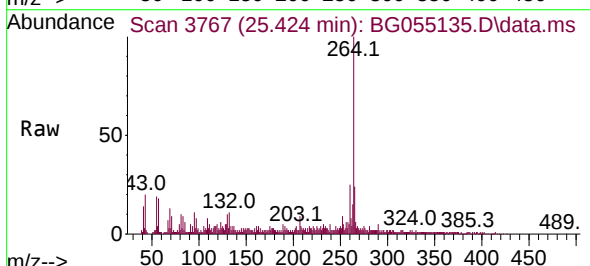
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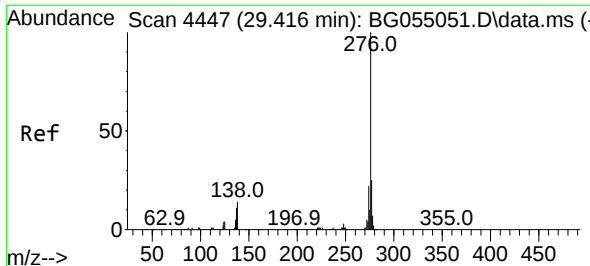
Reviewed By :Christian Giraldo 10/12/2022
Supervised By :Jagrut Upadhyay 10/12/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.424 min Scan# 3767
Delta R.T. 0.006 min
Lab File: BG055135.D
Acq: 11 Oct 2022 20:48

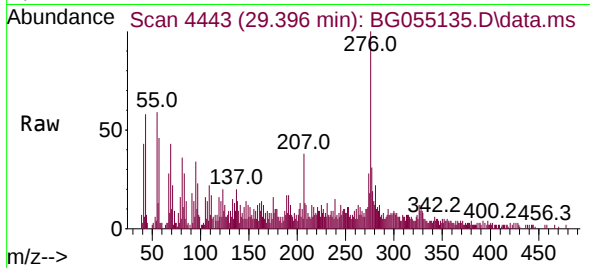
Tgt Ion:264 Resp: 206955
Ion Ratio Lower Upper
264 100
260 24.6 19.7 29.5
265 24.0 17.8 26.6





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.922 ng
RT: 29.396 min Scan# 4447
Delta R.T. 0.006 min
Lab File: BG055135.D
Acq: 11 Oct 2022 20:48

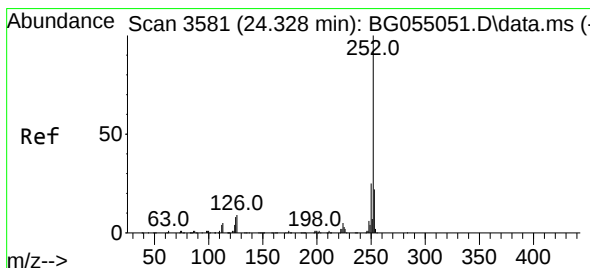
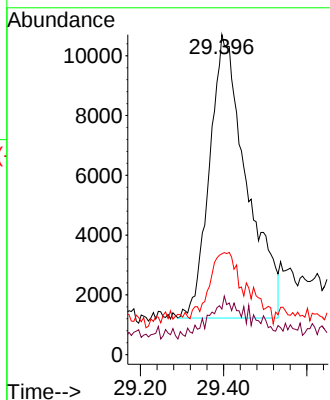
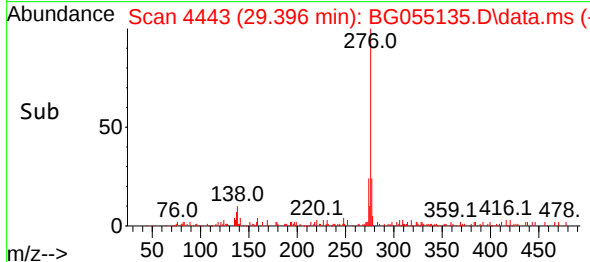
Instrument :
BNA_G
ClientSampleId :
TR-6-101022



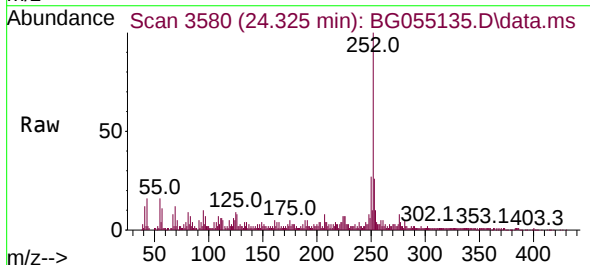
Tgt Ion: 276 Resp: 58575
Ion Ratio Lower Upper
276 100
138 11.2 10.0 15.0
277 17.5 20.0 30.0

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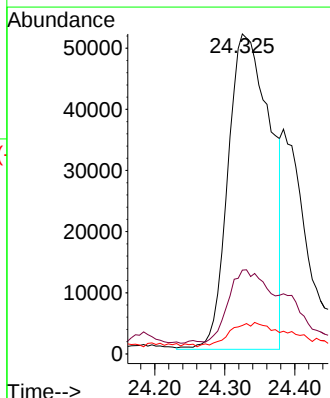
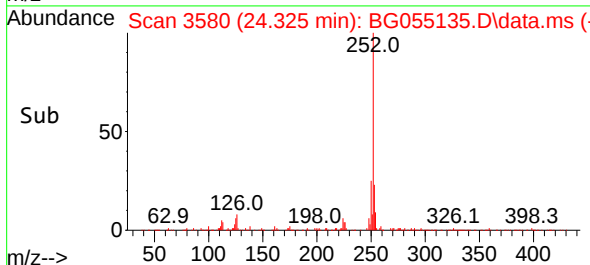
Reviewed By : Christian Giraldo 10/12/2022
Supervised By : Jagrut Upadhyay 10/12/2022

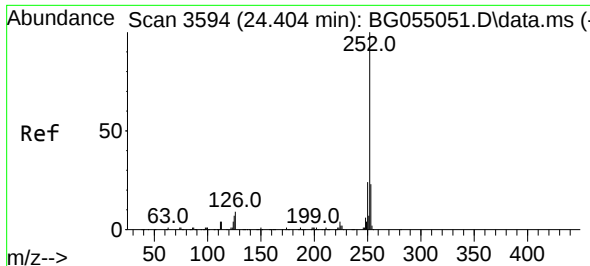


#88
Benzo(b)fluoranthene
Concen: 17.841 ng m
RT: 24.325 min Scan# 3580
Delta R.T. 0.006 min
Lab File: BG055135.D
Acq: 11 Oct 2022 20:48



Tgt Ion: 252 Resp: 217546
Ion Ratio Lower Upper
252 100
253 26.2 17.9 26.9
125 8.9 6.1 9.1





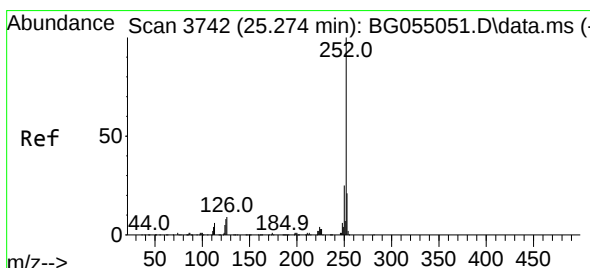
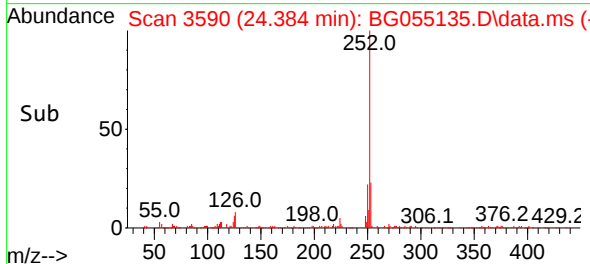
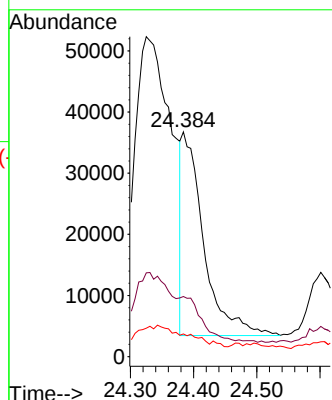
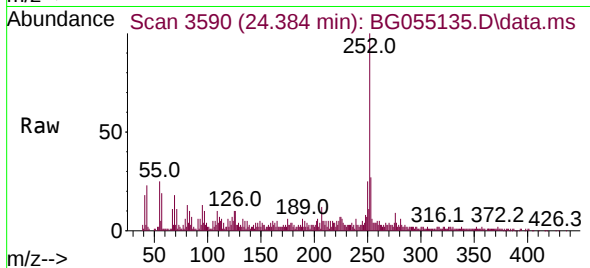
#89
Benzo(k)fluoranthene
Concen: 6.444 ng m
RT: 24.384 min Scan# 3594
Delta R.T. -0.006 min
Lab File: BG055135.D
Acq: 11 Oct 2022 20:48

Instrument :
BNA_G
ClientSampleId :
TR-6-101022

Tgt Ion:252 Resp: 79159
Ion Ratio Lower Upper
252 100
253 26.7 17.9 26.9
125 10.1 5.8 8.6

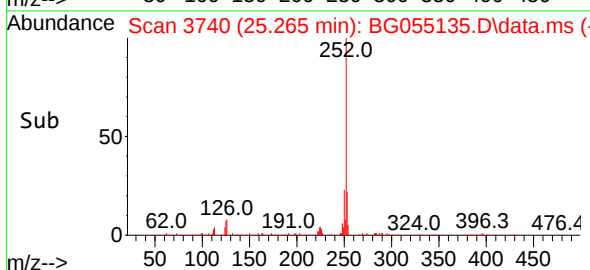
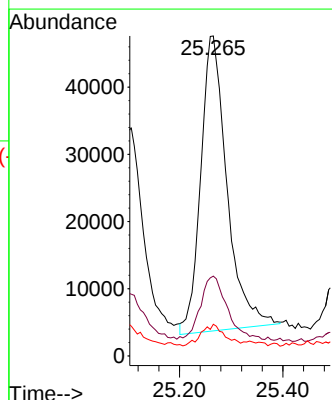
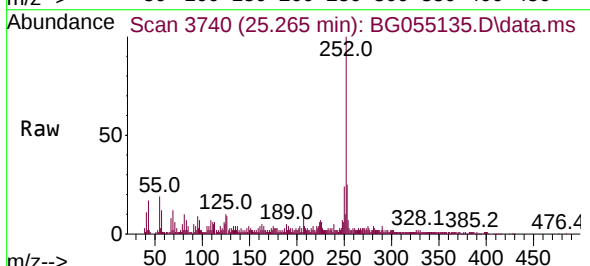
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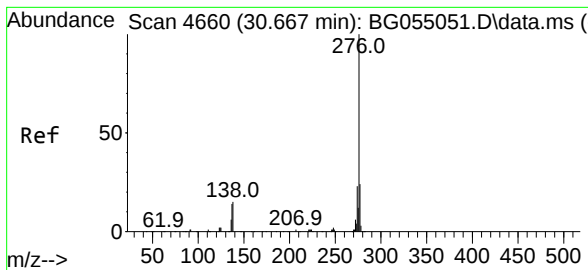
Reviewed By :Christian Giraldo 10/12/2022
Supervised By :Jagrut Upadhyay 10/12/2022



#90
Benzo(a)pyrene
Concen: 14.825 ng
RT: 25.265 min Scan# 3740
Delta R.T. 0.012 min
Lab File: BG055135.D
Acq: 11 Oct 2022 20:48

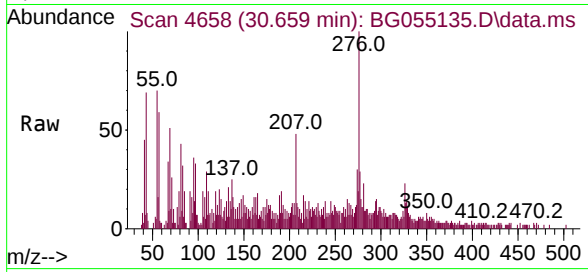
Tgt Ion:252 Resp: 154938
Ion Ratio Lower Upper
252 100
253 24.9 16.9 25.3
125 9.9 6.6 9.8





#92
 Benzo(g,h,i)perylene
 Concen: 4.215 ng
 RT: 30.659 min Scan# 4658
 Delta R.T. 0.030 min
 Lab File: BG055135.D
 Acq: 11 Oct 2022 20:48

Instrument :
 BNA_G
 ClientSampleId :
 TR-6-101022



Tgt Ion: 276 Resp: 51336

Ion	Ratio	Lower	Upper
276	100		
277	29.2	18.8	28.2
138	16.0	11.8	17.6

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Reviewed By : Christian Giraldo 10/12/2022
 Supervised By : Jagrut Upadhyay 10/12/2022

