

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101122\
 Data File : BG055129.D
 Acq On : 11 Oct 2022 16:33
 Operator : CG/JU
 Sample : N5066-12
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C11(10-11)

Manual Integrations
 APPROVED

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

Quant Time: Oct 12 06:20:14 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	29183	20.000	ng	0.00
21) Naphthalene-d8	11.161	136	130125	20.000	ng	# 0.00
39) Acenaphthene-d10	14.933	164	97962	20.000	ng	0.00
64) Phenanthrene-d10	17.671	188	235140	20.000	ng	0.00
76) Chrysene-d12	21.966	240	225905	20.000	ng	0.00
86) Perylene-d12	25.409	264	246970	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.849	112	145353	110.629	ng	0.00
7) Phenol-d6	7.453	99	198781	100.976	ng	0.00
23) Nitrobenzene-d5	9.498	82	121841	55.950	ng	0.00
42) 2,4,6-Tribromophenol	16.407	330	119653	118.142	ng	0.00
45) 2-Fluorobiphenyl	13.564	172	284775	45.382	ng	0.00
79) Terphenyl-d14	20.244	244	474871	42.487	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	11.208	128	31784	4.628	ng	98
52) Acenaphthene	14.997	154	31496	5.660	ng	97
55) Dibenzofuran	15.326	168	36417	4.102	ng	98
58) Fluorene	15.973	166	58176	8.188	ng	98
71) Phenanthrene	17.712	178	636531	51.534	ng	99
72) Anthracene	17.800	178	162817	13.553	ng	99
73) Carbazole	18.058	167	64883	6.153	ng	99
75) Fluoranthene	19.704	202	992547	64.413	ng	98
78) Pyrene	20.062	202	845833	56.309	ng	97
81) Benzo(a)anthracene	21.942	228	455723	31.756	ng	100
83) Chrysene	22.013	228	400126	28.929	ng	98
87) Indeno(1,2,3-cd)pyrene	29.375	276	275512	15.458	ng	98
88) Benzo(b)fluoranthene	24.310	252	517761	35.581	ng	100
89) Benzo(k)fluoranthene	24.380	252	194507m	13.268	ng	
90) Benzo(a)pyrene	25.244	252	403610	32.361	ng	96
91) Dibenzo(a,h)anthracene	29.422	278	73351m	5.066	ng	
92) Benzo(g,h,i)perylene	30.614	276	257271	17.702	ng	100

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

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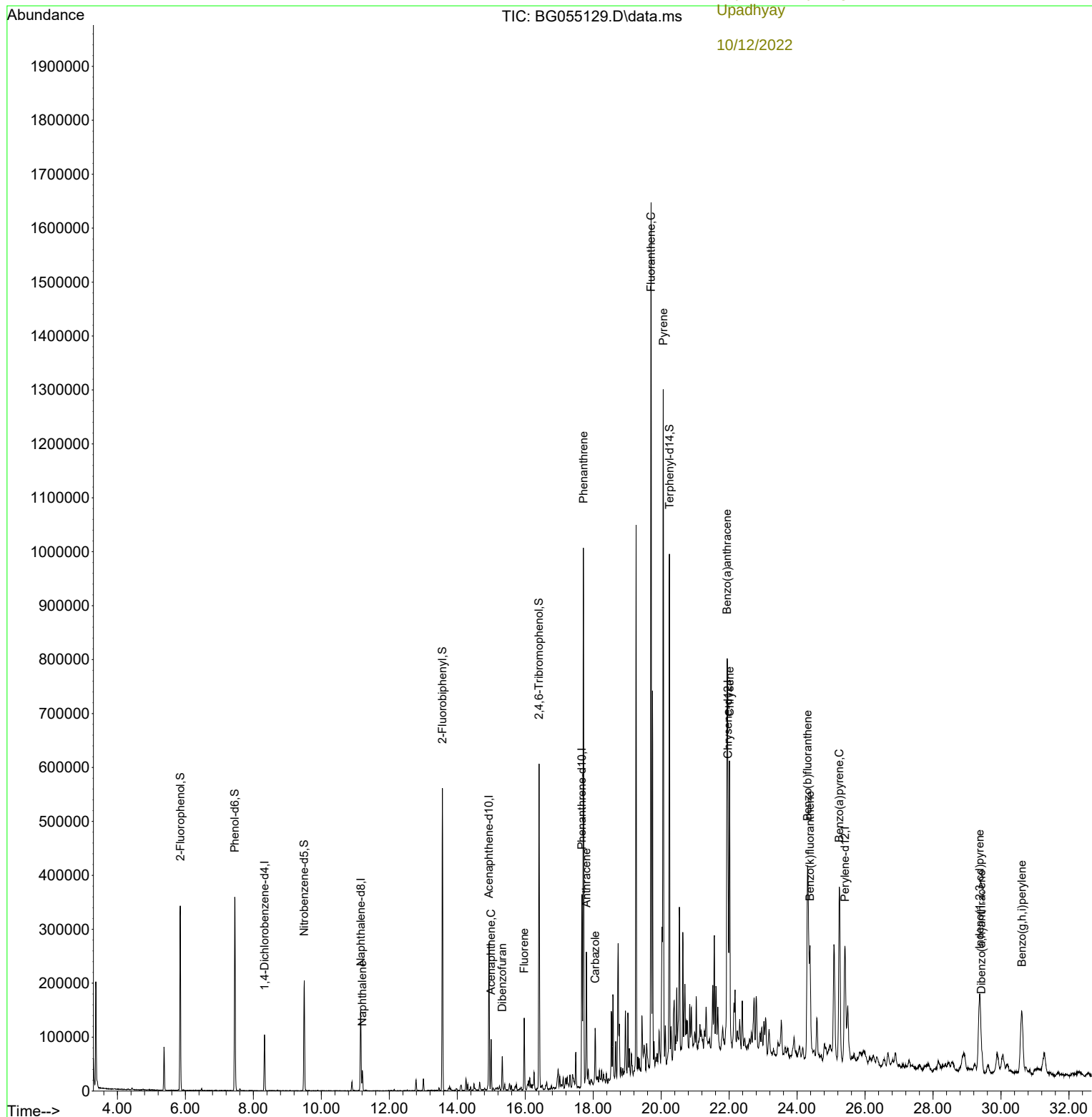
Quant Time: Oct 12 06:20:14 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 08 03:04:59 2022
Response via : Initial Calibration

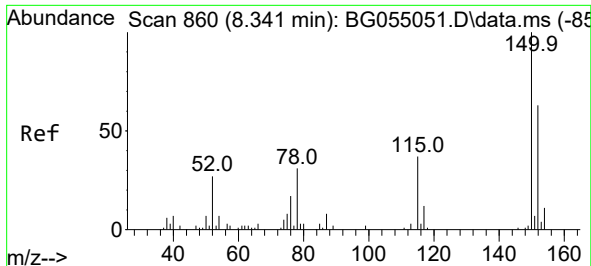
Manual Integrations
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Supervised By :Jagrut
Upadhyay

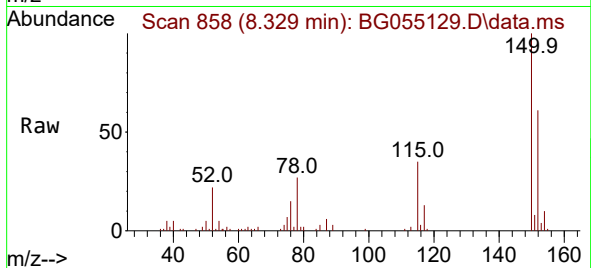
10/12/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.329 min Scan# 80
Delta R.T. -0.009 min
Lab File: BG055129.D
Acq: 11 Oct 2022 16:33

Instrument :
BNA_G
ClientSampleId :
C11(10-11)

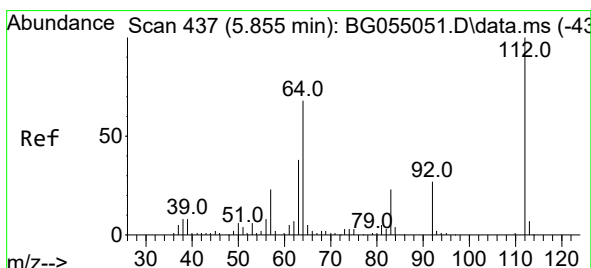
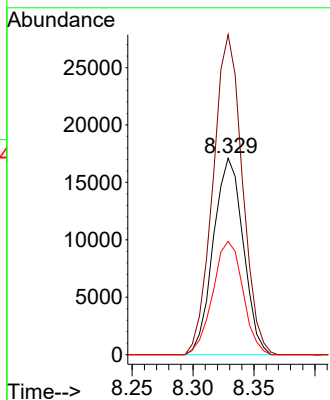
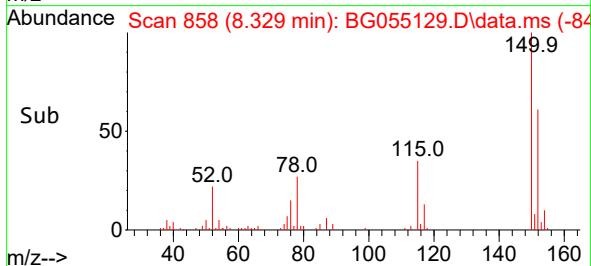


Tgt Ion:152 Resp: 2918
Ion Ratio Lower Upper
152 100
150 162.9 128.0 192.0
115 57.7 47.7 71.5

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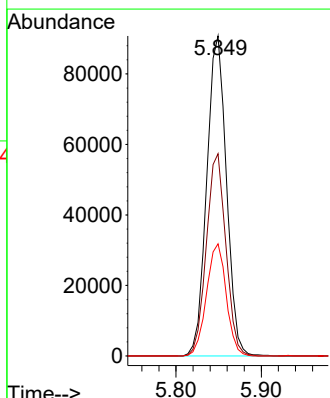
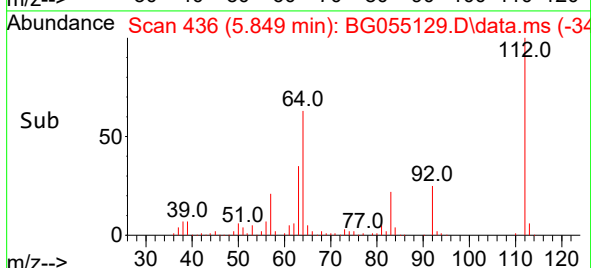
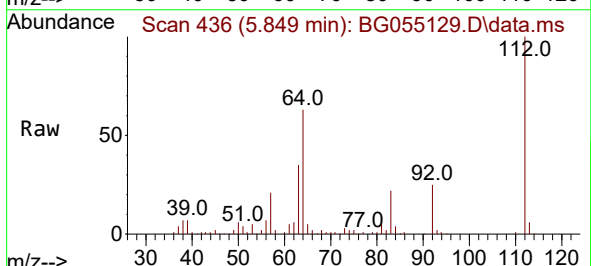
Reviewed By :Christian Giraldo 10/12/2022
Supervised By :Jagrut Upadhyay 10/12/2022

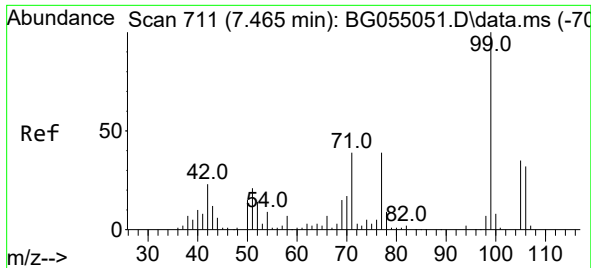
Supervised By :Jagrut
Upadhyay
10/12/2022



#5
2-Fluorophenol
Concen: 110.629 ng
RT: 5.849 min Scan# 436
Delta R.T. -0.003 min
Lab File: BG055129.D
Acq: 11 Oct 2022 16:33

Tgt Ion:112 Resp: 145353
Ion Ratio Lower Upper
112 100
64 63.2 54.5 81.7
63 35.0 30.5 45.7





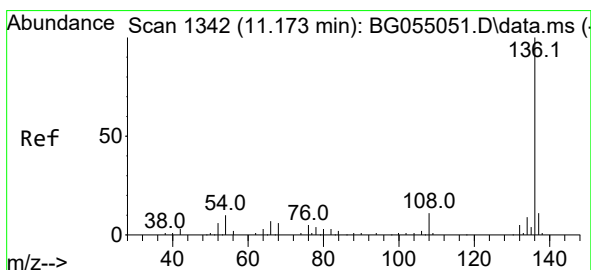
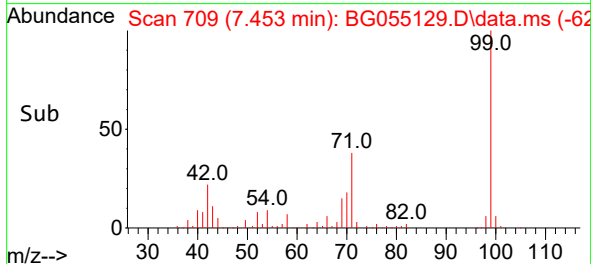
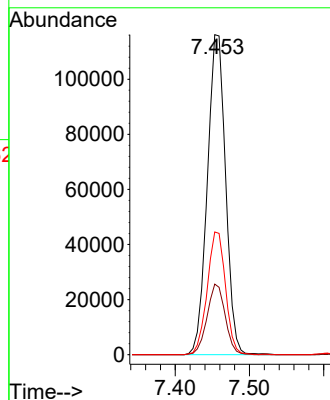
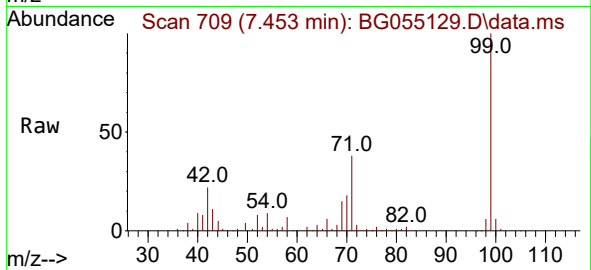
#7
Phenol-d6
Concen: 100.976 ng
RT: 7.453 min Scan# 709
Delta R.T. -0.009 min
Lab File: BG055129.D
Acq: 11 Oct 2022 16:33

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BNA_G
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Tgt Ion: 99 Resp: 19878
Ion Ratio Lower Upper
99 100
42 22.1 18.6 28.0
71 38.4 31.2 46.8

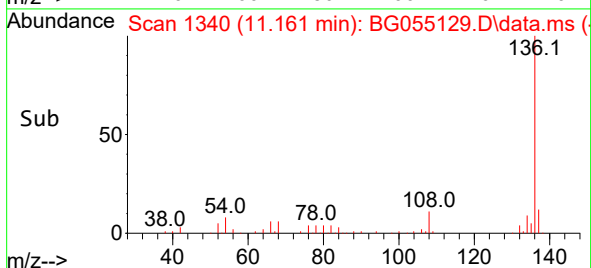
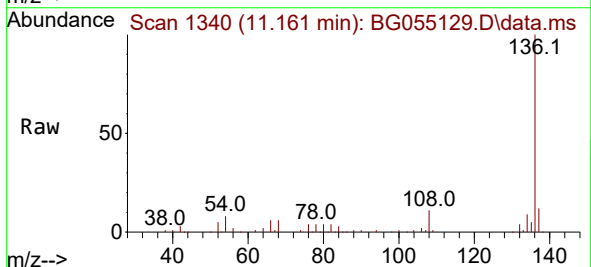
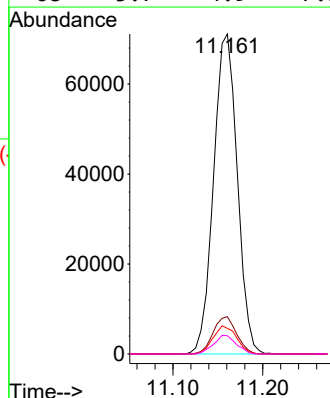
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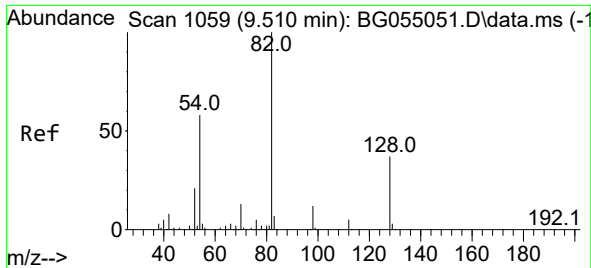
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.161 min Scan# 1340
Delta R.T. -0.009 min
Lab File: BG055129.D
Acq: 11 Oct 2022 16:33

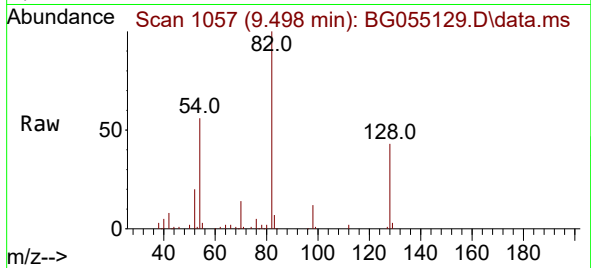
Tgt Ion:136 Resp: 130125
Ion Ratio Lower Upper
136 100
137 11.7 8.7 13.1
54 8.0 8.2 12.4#
68 5.7 4.9 7.3





#23
Nitrobenzene-d5
Concen: 55.950 ng
RT: 9.498 min Scan# 1057
Delta R.T. -0.009 min
Lab File: BG055129.D
Acq: 11 Oct 2022 16:33

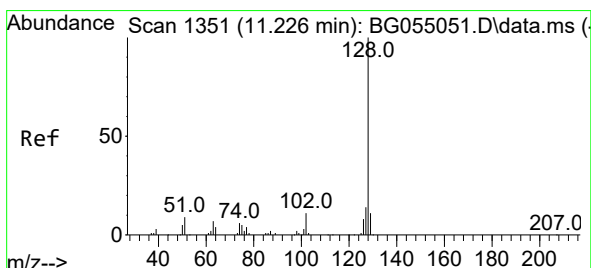
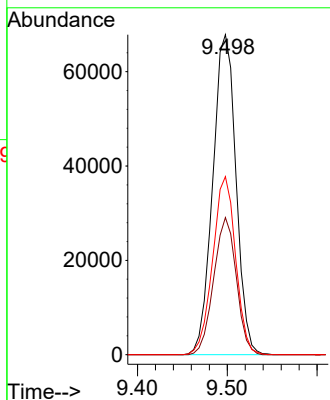
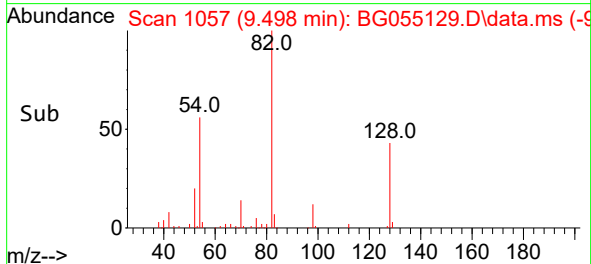
Instrument :
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ClientSampleId :
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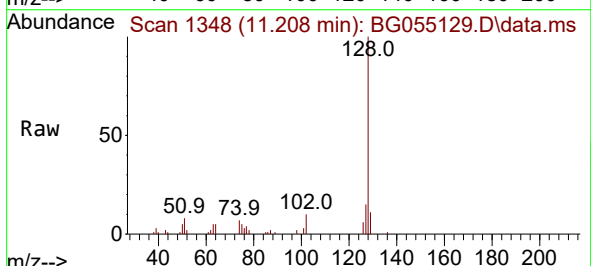
Tgt Ion: 82 Resp: 12184
Ion Ratio Lower Upper
82 100
128 42.8 29.5 44.3
54 55.7 46.7 70.1

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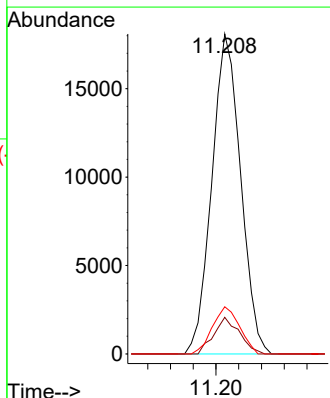
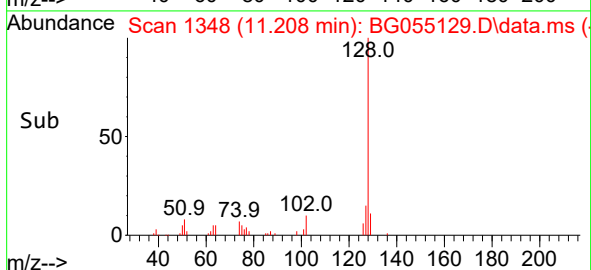
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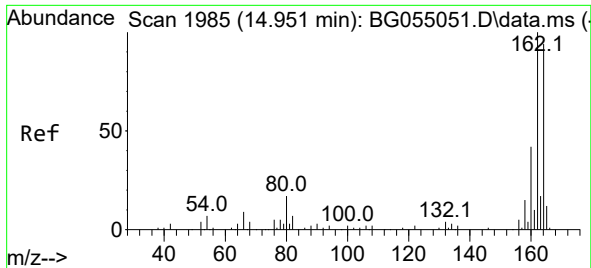


#31
Naphthalene
Concen: 4.628 ng
RT: 11.208 min Scan# 1348
Delta R.T. -0.009 min
Lab File: BG055129.D
Acq: 11 Oct 2022 16:33



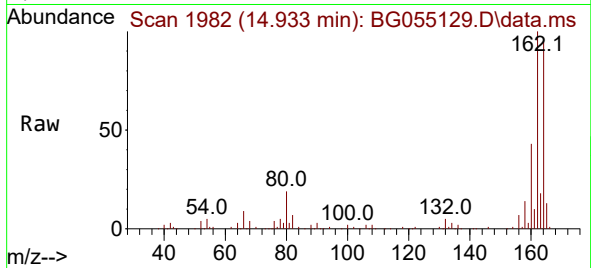
Tgt Ion:128 Resp: 31784
Ion Ratio Lower Upper
128 100
129 11.5 8.7 13.1
127 14.7 10.9 16.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.933 min Scan# 1982
Delta R.T. -0.009 min
Lab File: BG055129.D
Acq: 11 Oct 2022 16:33

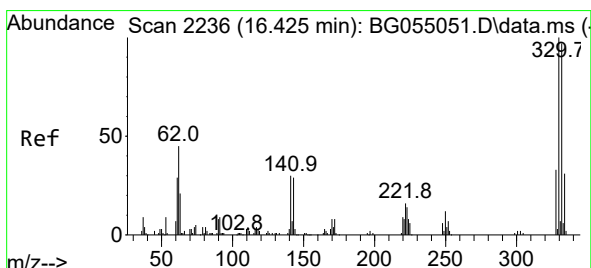
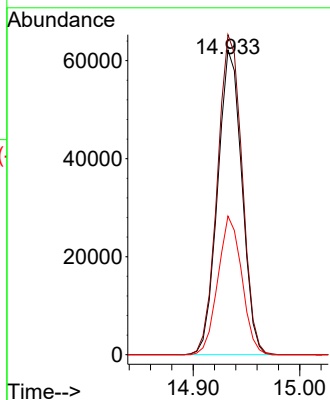
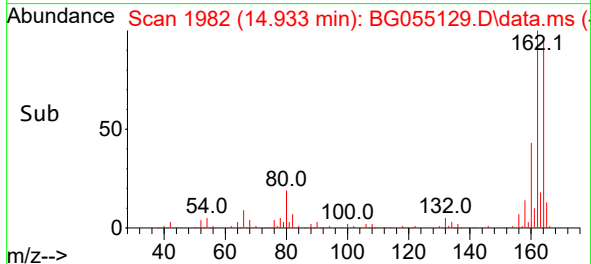
Instrument :
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ClientSampleId :
C11(10-11)



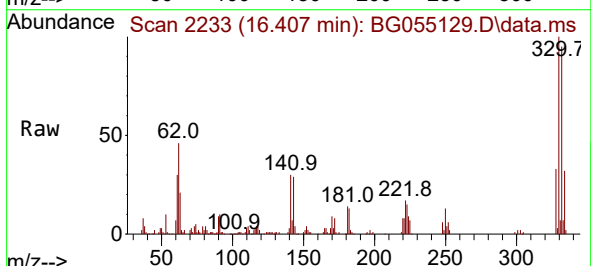
Tgt Ion:164 Resp: 97962
Ion Ratio Lower Upper
164 100
162 105.0 85.5 128.3
160 45.4 35.5 53.3

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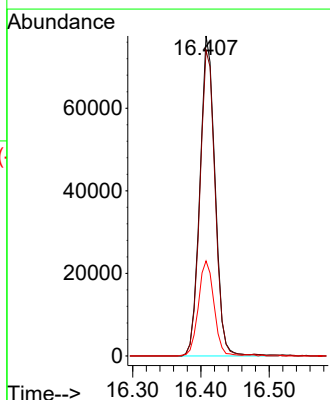
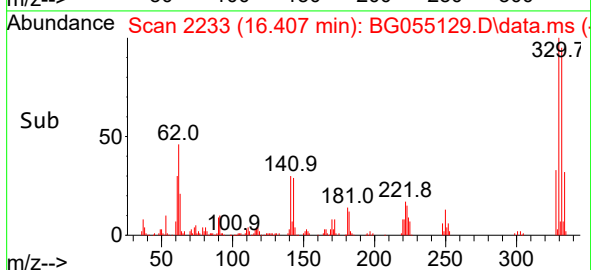
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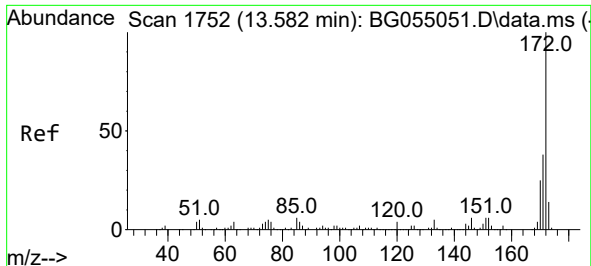


#42
2,4,6-Tribromophenol
Concen: 118.142 ng
RT: 16.407 min Scan# 2233
Delta R.T. -0.009 min
Lab File: BG055129.D
Acq: 11 Oct 2022 16:33



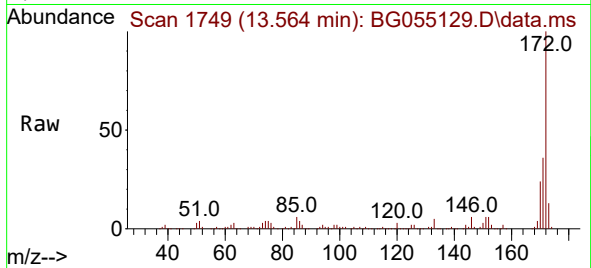
Tgt Ion:330 Resp: 119653
Ion Ratio Lower Upper
330 100
332 95.9 77.4 116.0
141 30.5 25.0 37.4





#45
2-Fluorobiphenyl
Concen: 45.382 ng
RT: 13.564 min Scan# 1752
Delta R.T. -0.009 min
Lab File: BG055129.D
Acq: 11 Oct 2022 16:33

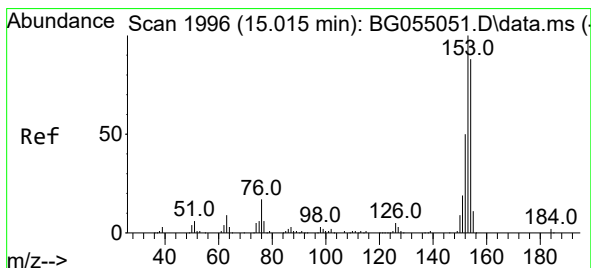
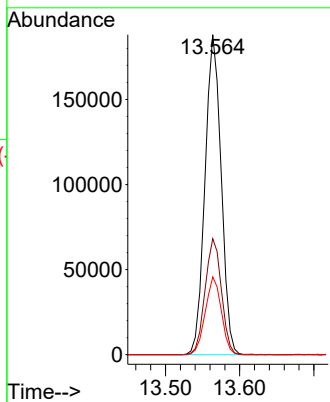
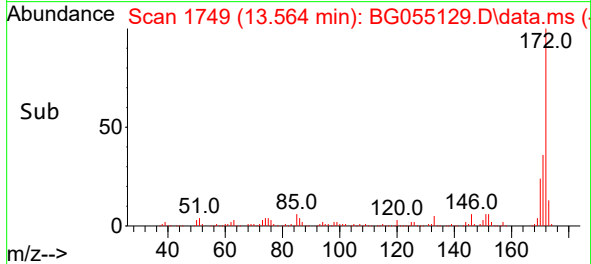
Instrument :
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ClientSampleId :
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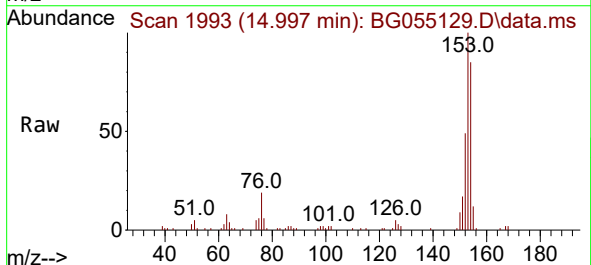
Tgt Ion:172 Resp: 284775
Ion Ratio Lower Upper
172 100
171 36.2 30.1 45.1
170 24.3 20.0 30.0

Manual Integrations
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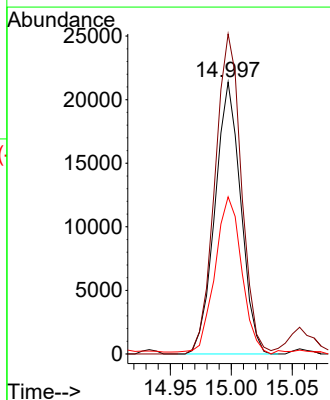
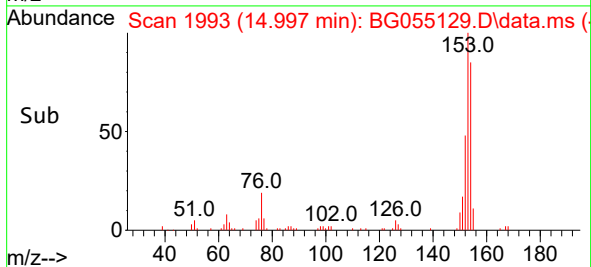
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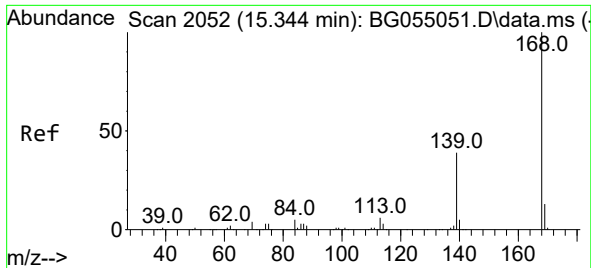


#52
Acenaphthene
Concen: 5.660 ng
RT: 14.997 min Scan# 1993
Delta R.T. -0.009 min
Lab File: BG055129.D
Acq: 11 Oct 2022 16:33



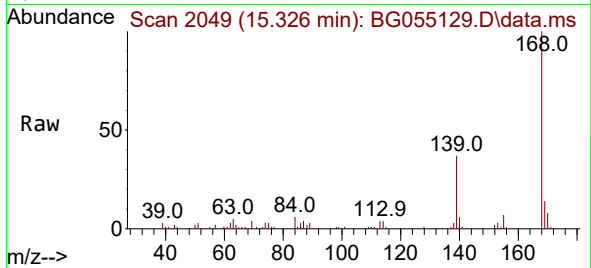
Tgt Ion:154 Resp: 31496
Ion Ratio Lower Upper
154 100
153 117.7 91.4 137.0
152 57.8 45.3 67.9





#55
Dibenzenofuran
Concen: 4.102 ng
RT: 15.326 min Scan# 2049
Delta R.T. -0.009 min
Lab File: BG055129.D
Acq: 11 Oct 2022 16:33

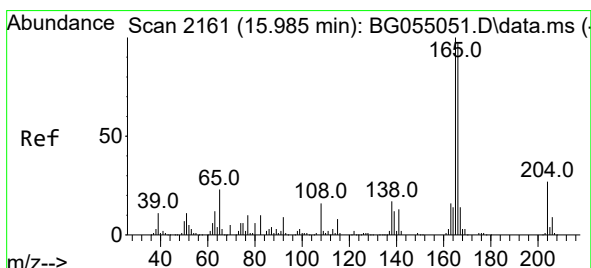
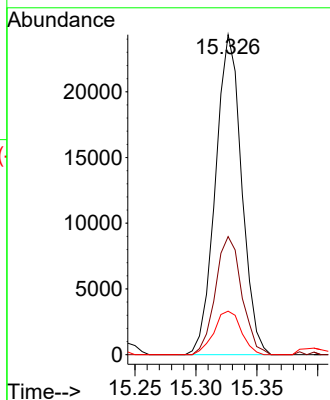
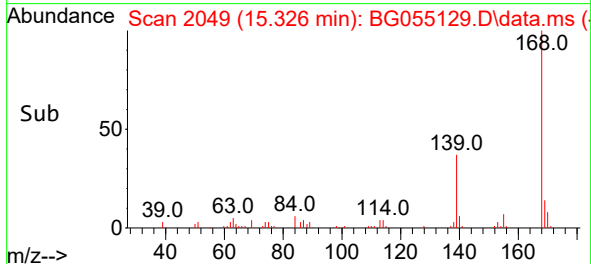
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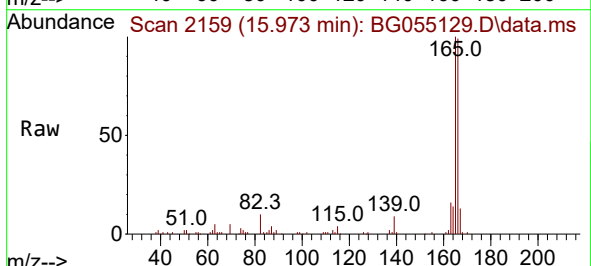
Tgt Ion:168 Resp: 3641
Ion Ratio Lower Upper
168 100
139 36.9 31.0 46.4
169 13.6 10.6 16.0

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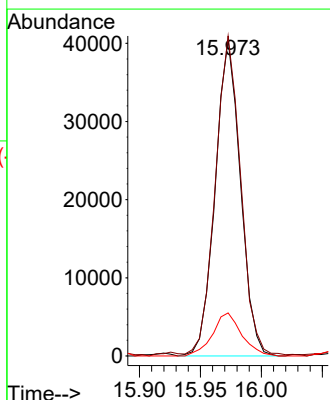
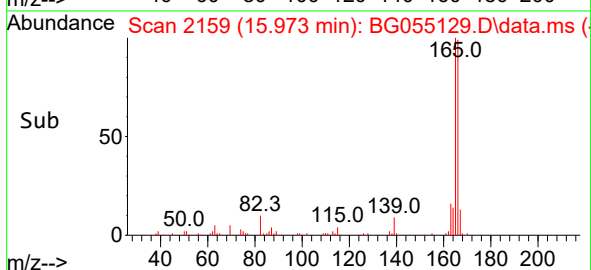
Reviewed By :Christian Giraldo 10/12/2022
Supervised By :Jagrut Upadhyay 10/12/2022

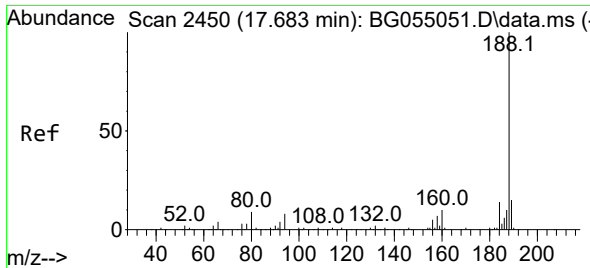


#58
Fluorene
Concen: 8.188 ng
RT: 15.973 min Scan# 2159
Delta R.T. -0.009 min
Lab File: BG055129.D
Acq: 11 Oct 2022 16:33



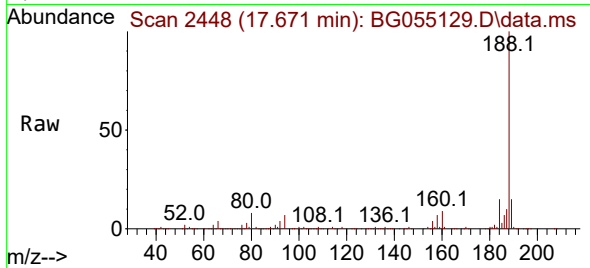
Tgt Ion:166 Resp: 58176
Ion Ratio Lower Upper
166 100
165 101.3 82.6 123.8
167 13.6 11.8 17.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.671 min Scan# 2448
Delta R.T. -0.003 min
Lab File: BG055129.D
Acq: 11 Oct 2022 16:33

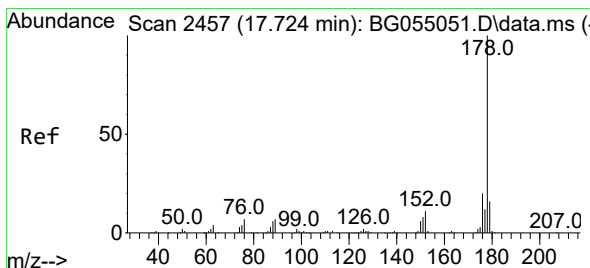
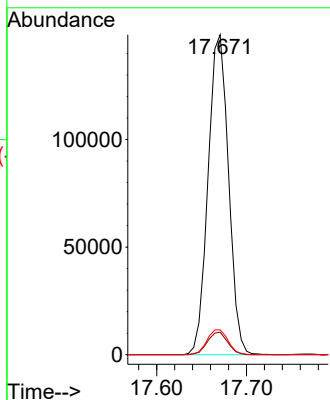
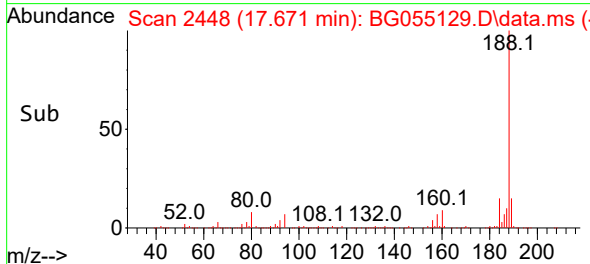
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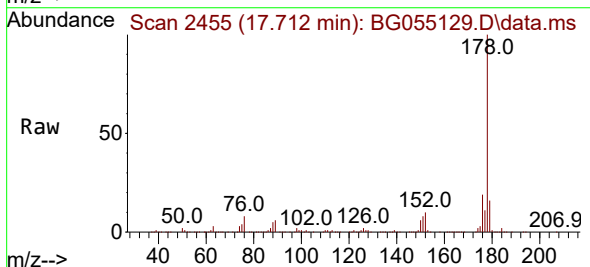
Tgt Ion:188 Resp: 235140
Ion Ratio Lower Upper
188 100
94 7.1 6.2 9.2
80 7.7 7.2 10.8

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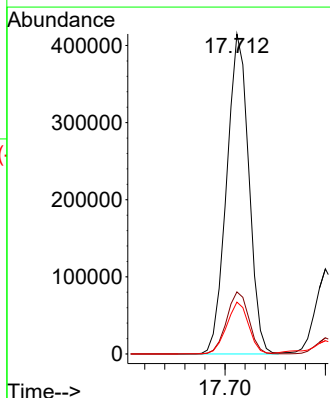
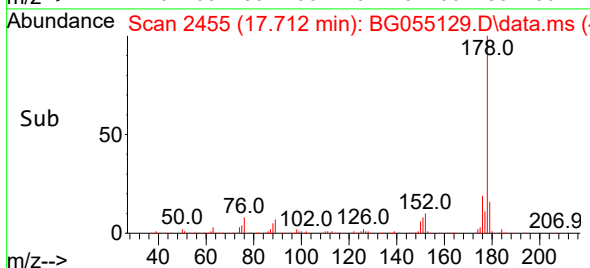
Reviewed By :Christian Giraldo 10/12/2022
Supervised By :Jagrut Upadhyay 10/12/2022

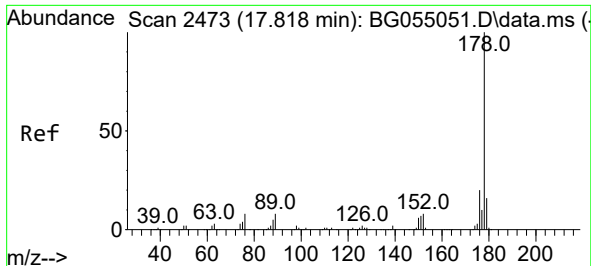


#71
Phenanthrene
Concen: 51.534 ng
RT: 17.712 min Scan# 2455
Delta R.T. -0.009 min
Lab File: BG055129.D
Acq: 11 Oct 2022 16:33



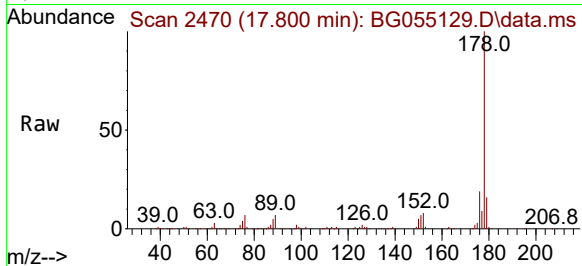
Tgt Ion:178 Resp: 636531
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.6
179 16.2 13.2 19.8





#72
 Anthracene
 Concen: 13.553 ng
 RT: 17.800 min Scan# 2473
 Delta R.T. -0.009 min
 Lab File: BG055129.D
 Acq: 11 Oct 2022 16:33

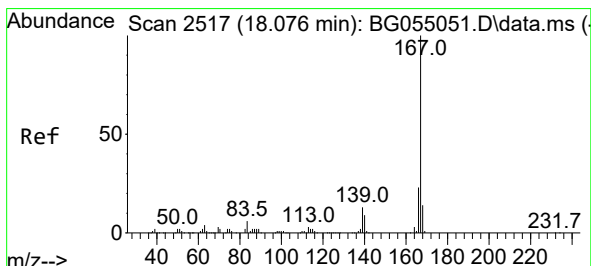
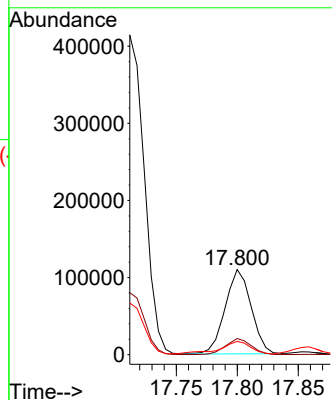
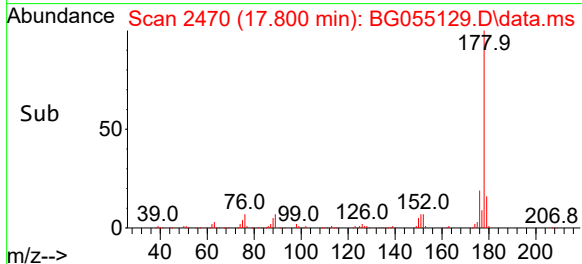
Instrument :
 BNA_G
 ClientSampleId :
 C11(10-11)



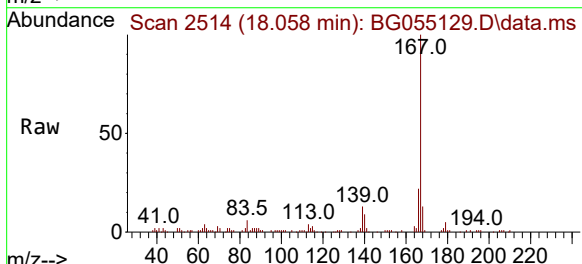
Tgt Ion:178 Resp: 16281
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.7 23.5
 179 15.6 12.5 18.7

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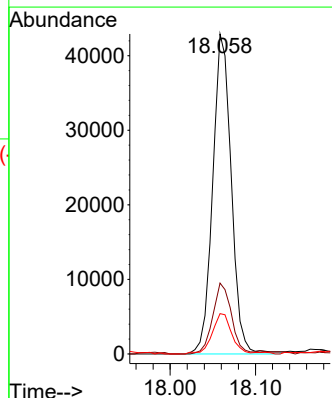
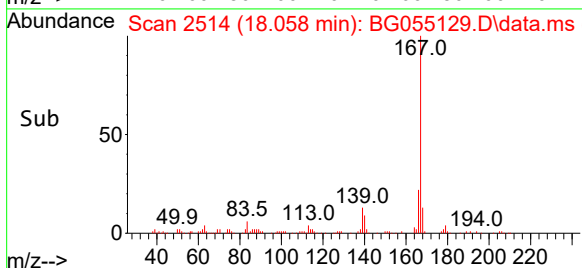
Reviewed By :Christian Giraldo 10/12/2022
 Supervised By :Jagrut Upadhyay 10/12/2022

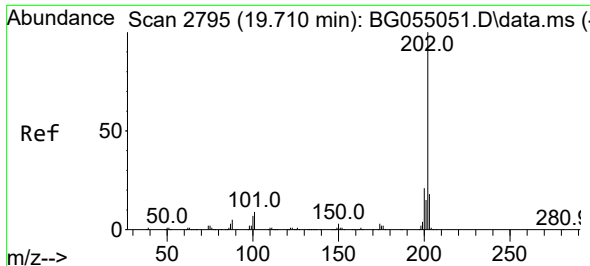


#73
 Carbazole
 Concen: 6.153 ng
 RT: 18.058 min Scan# 2514
 Delta R.T. -0.009 min
 Lab File: BG055129.D
 Acq: 11 Oct 2022 16:33



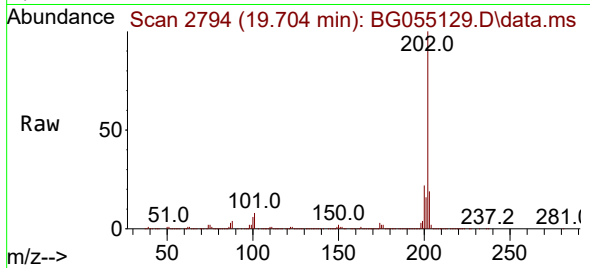
Tgt Ion:167 Resp: 64883
 Ion Ratio Lower Upper
 167 100
 166 22.1 18.2 27.2
 139 12.6 10.2 15.4





#75
Fluoranthene
Concen: 64.413 ng
RT: 19.704 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG055129.D
Acq: 11 Oct 2022 16:33

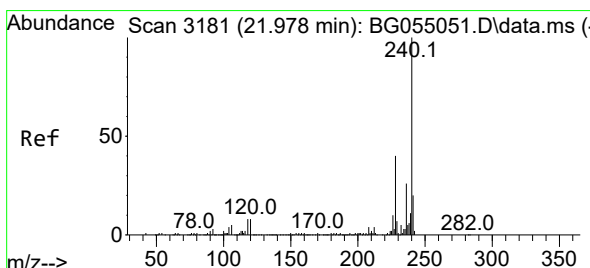
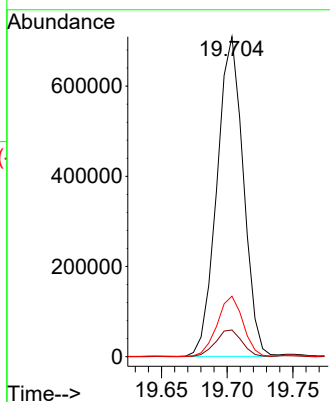
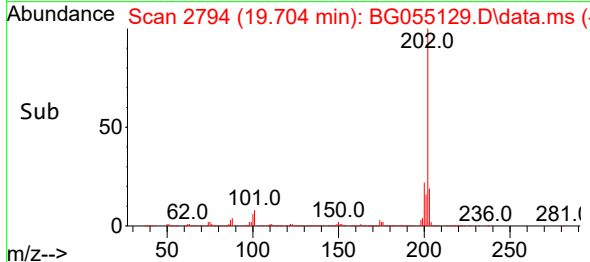
Instrument :
BNA_G
ClientSampleId :
C11(10-11)



Tgt Ion:202 Resp: 99254
Ion Ratio Lower Upper
202 100
101 8.3 0.0 28.9
203 18.9 0.0 37.7

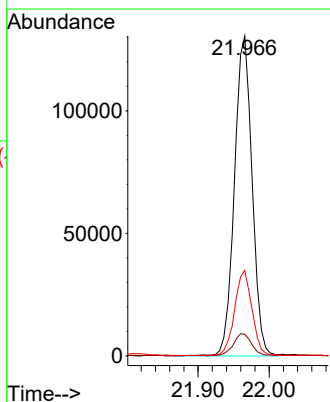
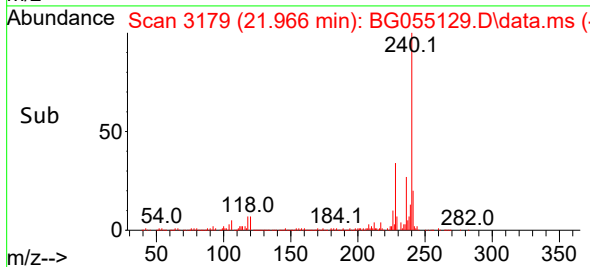
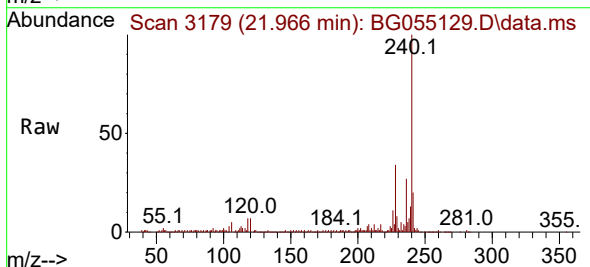
Manual Integrations
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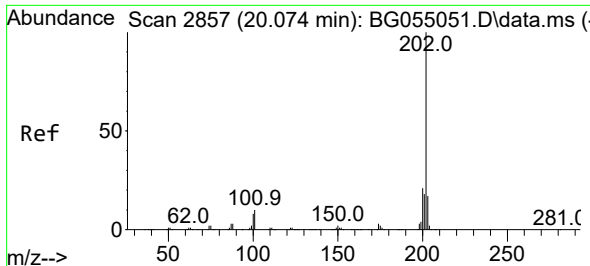
Reviewed By :Christian Giraldo 10/12/2022
Supervised By :Jagrut Upadhyay 10/12/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.966 min Scan# 3179
Delta R.T. -0.003 min
Lab File: BG055129.D
Acq: 11 Oct 2022 16:33

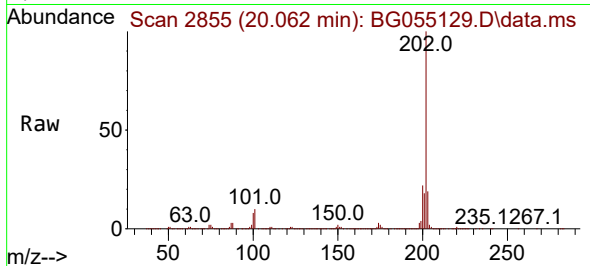
Tgt Ion:240 Resp: 225905
Ion Ratio Lower Upper
240 100
120 6.8 6.2 9.4
236 26.7 20.6 30.8





#78
Pyrene
Concen: 56.309 ng
RT: 20.062 min Scan# 2855
Delta R.T. -0.003 min
Lab File: BG055129.D
Acq: 11 Oct 2022 16:33

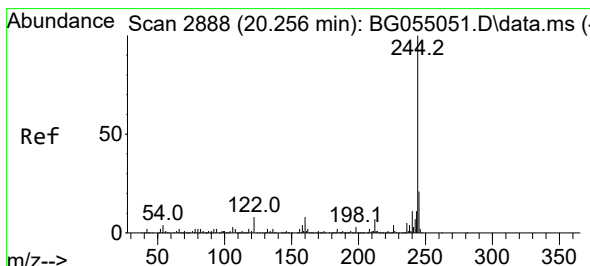
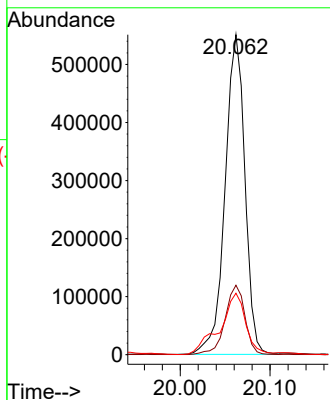
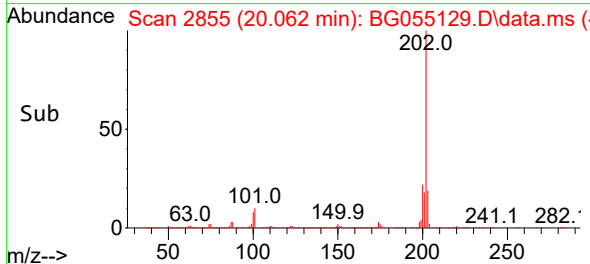
Instrument :
BNA_G
ClientSampleId :
C11(10-11)



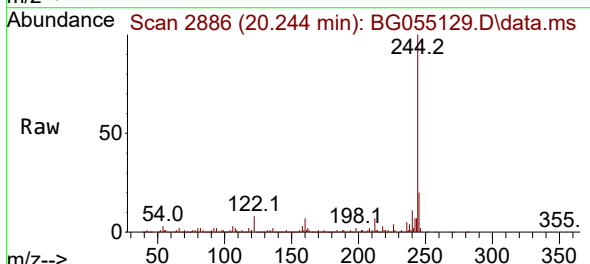
Tgt Ion:202 Resp: 84583
Ion Ratio Lower Upper
202 100
200 21.7 16.6 25.0
203 19.2 14.0 21.0

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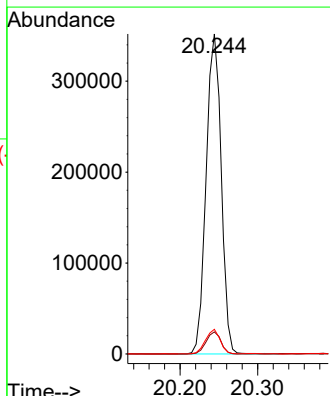
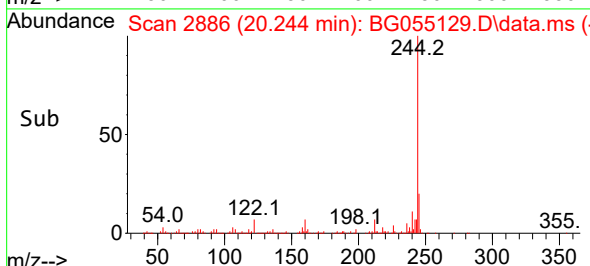
Reviewed By :Christian Giraldo 10/12/2022
Supervised By :Jagrut Upadhyay 10/12/2022

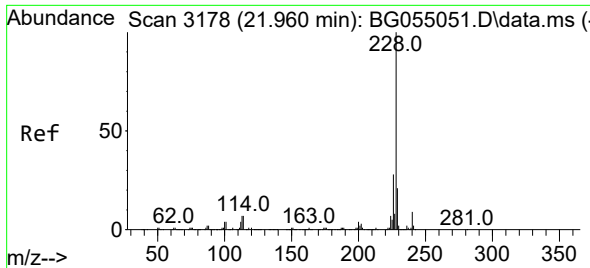


#79
Terphenyl-d14
Concen: 42.487 ng
RT: 20.244 min Scan# 2886
Delta R.T. -0.009 min
Lab File: BG055129.D
Acq: 11 Oct 2022 16:33



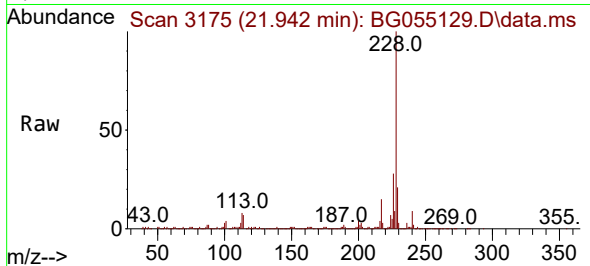
Tgt Ion:244 Resp: 474871
Ion Ratio Lower Upper
244 100
212 6.9 6.0 9.0
122 7.7 6.6 10.0





#81
Benzo(a)anthracene
Concen: 31.756 ng
RT: 21.942 min Scan# 3175
Delta R.T. -0.009 min
Lab File: BG055129.D
Acq: 11 Oct 2022 16:33

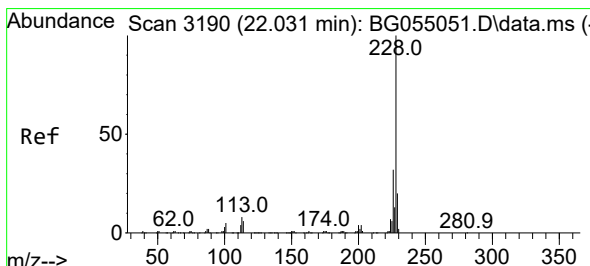
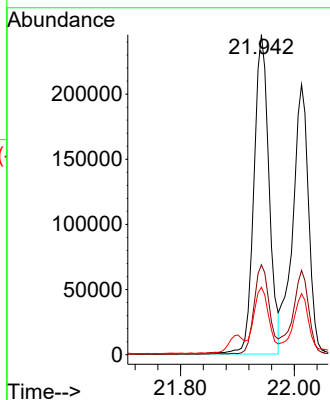
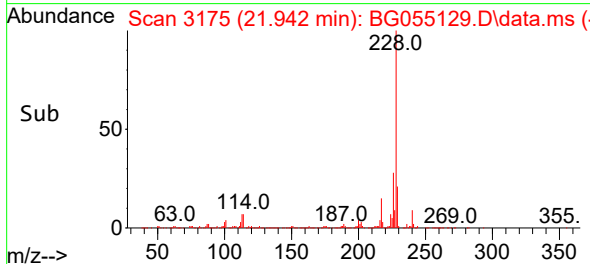
Instrument :
BNA_G
ClientSampleId :
C11(10-11)



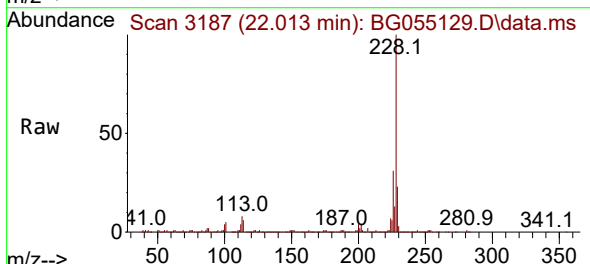
Tgt Ion:228 Resp: 45572
Ion Ratio Lower Upper
228 100
226 28.1 22.4 33.6
229 21.0 16.7 25.1

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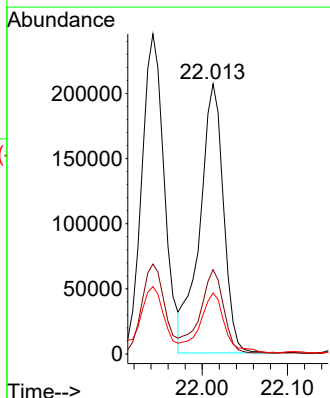
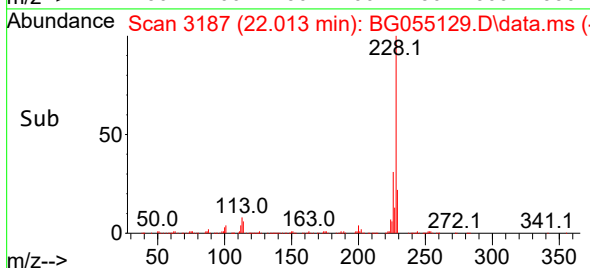
Reviewed By :Christian Giraldo 10/12/2022
Supervised By :Jagrut Upadhyay 10/12/2022

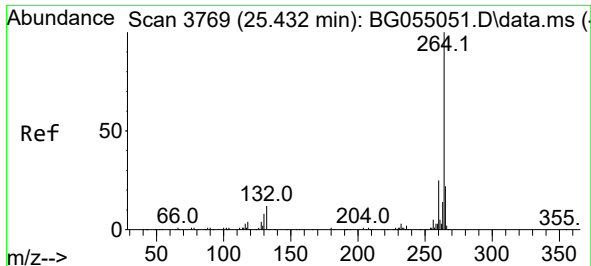


#83
Chrysene
Concen: 28.929 ng
RT: 22.013 min Scan# 3187
Delta R.T. -0.009 min
Lab File: BG055129.D
Acq: 11 Oct 2022 16:33



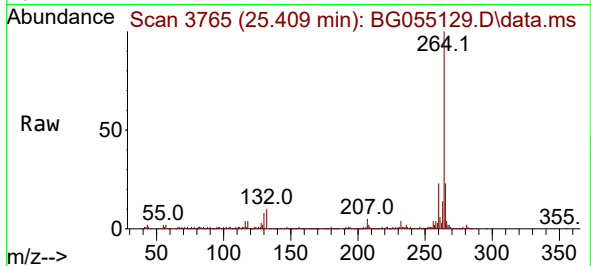
Tgt Ion:228 Resp: 400126
Ion Ratio Lower Upper
228 100
226 31.2 25.3 37.9
229 22.6 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.409 min Scan# 31
Delta R.T. -0.009 min
Lab File: BG055129.D
Acq: 11 Oct 2022 16:33

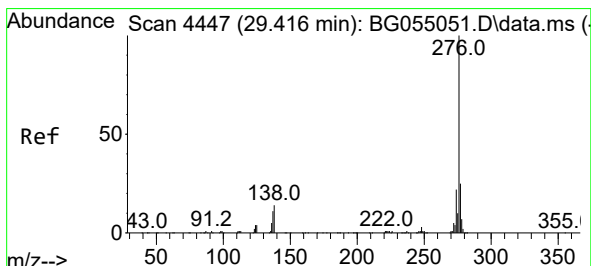
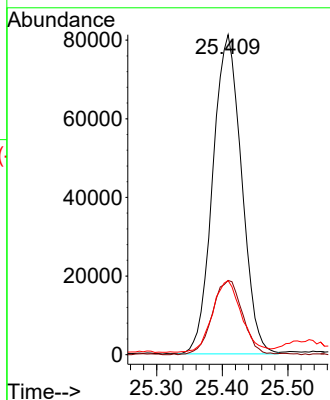
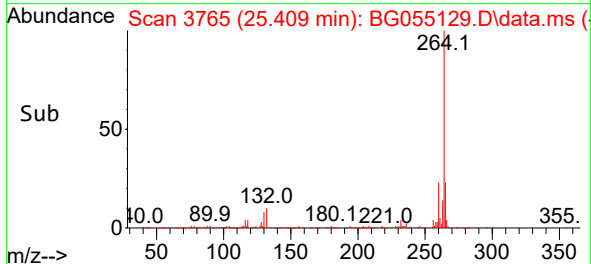
Instrument :
BNA_G
ClientSampleId :
C11(10-11)



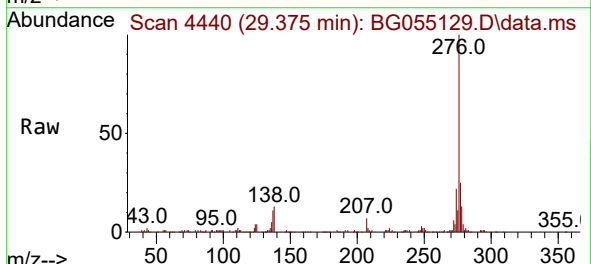
Tgt Ion:264 Resp: 246970
Ion Ratio Lower Upper
264 100
260 23.2 19.7 29.5
265 23.2 17.8 26.6

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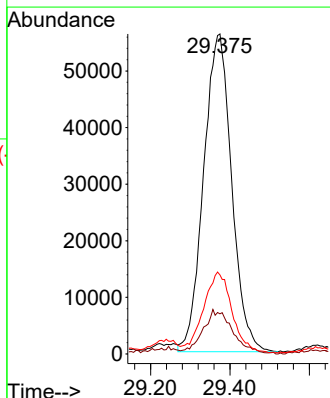
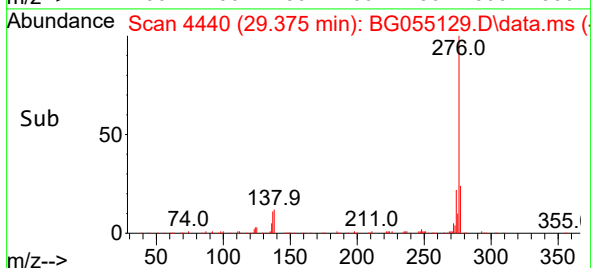
Reviewed By :Christian Giraldo 10/12/2022
Supervised By :Jagrut Upadhyay 10/12/2022

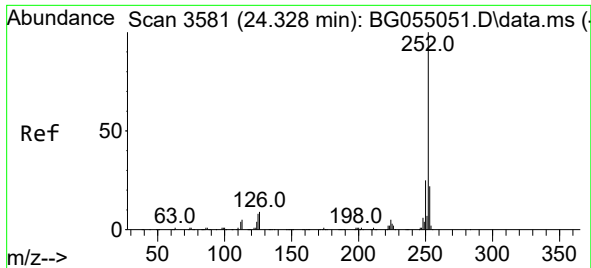


#87
Indeno(1,2,3-cd)pyrene
Concen: 15.458 ng
RT: 29.375 min Scan# 4440
Delta R.T. -0.015 min
Lab File: BG055129.D
Acq: 11 Oct 2022 16:33



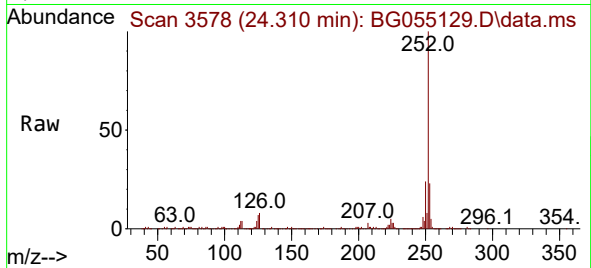
Tgt Ion:276 Resp: 275512
Ion Ratio Lower Upper
276 100
138 13.9 10.0 15.0
277 25.8 20.0 30.0





#88
Benzo(b)fluoranthene
Concen: 35.581 ng
RT: 24.310 min Scan# 3578
Delta R.T. -0.009 min
Lab File: BG055129.D
Acq: 11 Oct 2022 16:33

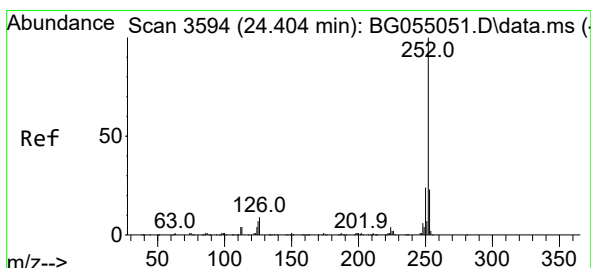
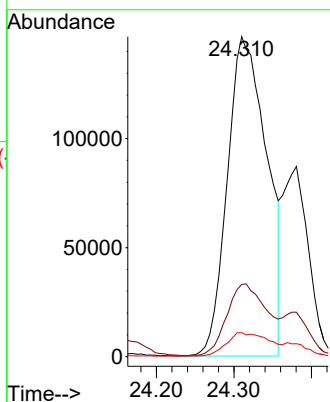
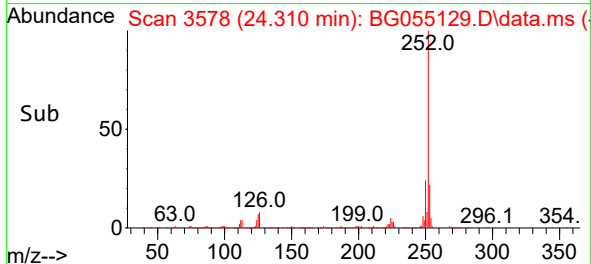
Instrument :
BNA_G
ClientSampleId :
C11(10-11)



Tgt Ion:252 Resp: 51776
Ion Ratio Lower Upper
252 100
253 22.6 17.9 26.9
125 7.5 6.1 9.1

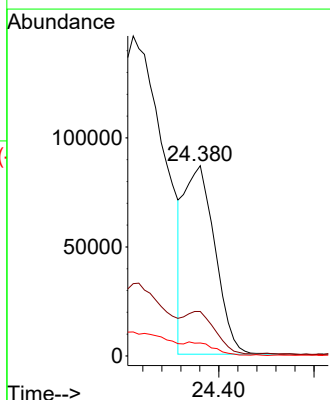
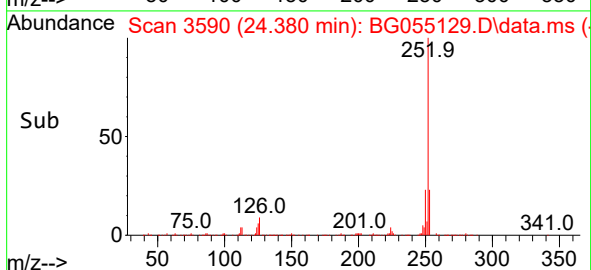
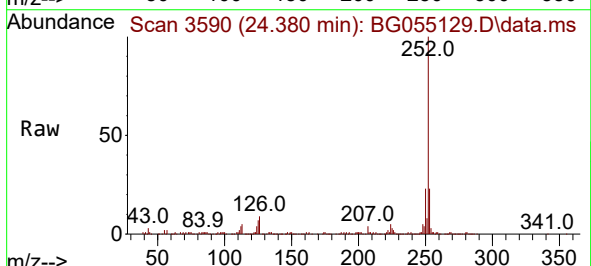
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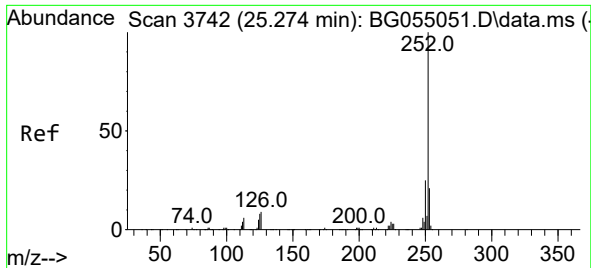
Reviewed By :Christian Giraldo 10/12/2022
Supervised By :Jagrut Upadhyay 10/12/2022



#89
Benzo(k)fluoranthene
Concen: 13.268 ng m
RT: 24.380 min Scan# 3590
Delta R.T. -0.009 min
Lab File: BG055129.D
Acq: 11 Oct 2022 16:33

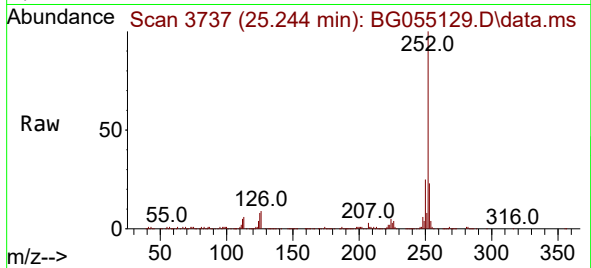
Tgt Ion:252 Resp: 194507
Ion Ratio Lower Upper
252 100
253 23.4 17.9 26.9
125 6.9 5.8 8.6





#90
Benzo(a)pyrene
Concen: 32.361 ng
RT: 25.244 min Scan# 31
Delta R.T. -0.009 min
Lab File: BG055129.D
Acq: 11 Oct 2022 16:33

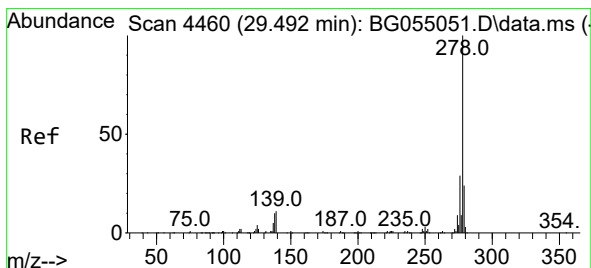
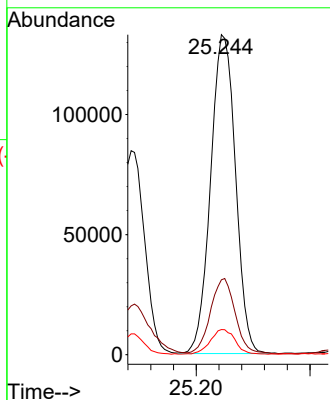
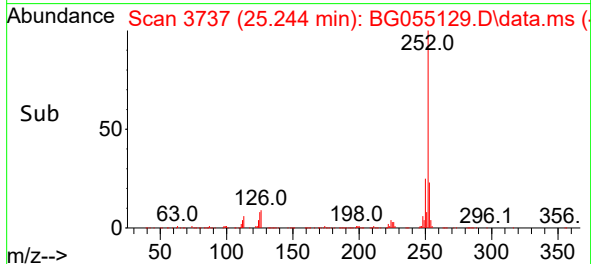
Instrument :
BNA_G
ClientSampleId :
C11(10-11)



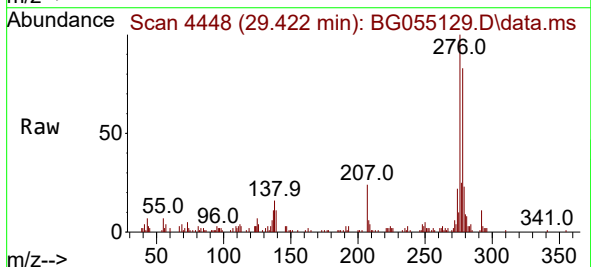
Tgt Ion:252 Resp: 403610
Ion Ratio Lower Upper
252 100
253 23.4 16.9 25.3
125 7.8 6.6 9.8

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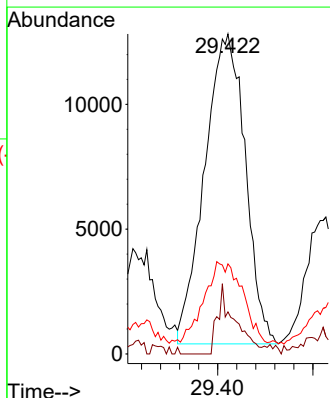
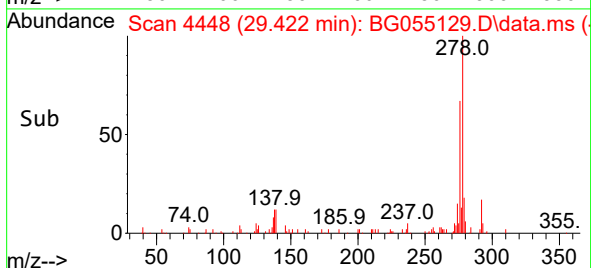
Reviewed By :Christian Giraldo 10/12/2022
Supervised By :Jagrut Upadhyay 10/12/2022

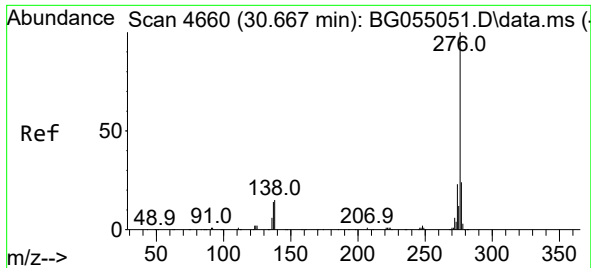


#91
Dibenzo(a,h)anthracene
Concen: 5.066 ng m
RT: 29.422 min Scan# 4448
Delta R.T. -0.044 min
Lab File: BG055129.D
Acq: 11 Oct 2022 16:33



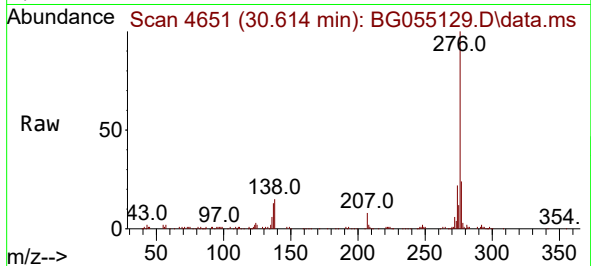
Tgt Ion:278 Resp: 73351
Ion Ratio Lower Upper
278 100
139 13.2 8.5 12.7#
279 28.2 19.0 28.6





#92
Benzo(g,h,i)perylene
Concen: 17.702 ng
RT: 30.614 min Scan# 4651
Delta R.T. -0.015 min
Lab File: BG055129.D
Acq: 11 Oct 2022 16:33

Instrument :
BNA_G
ClientSampleId :
C11(10-11)



Tgt Ion:276 Resp: 25727
Ion Ratio Lower Upper
276 100
277 23.6 18.8 28.2
138 14.6 11.8 17.6

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

