

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101122\
 Data File : BG055130.D
 Acq On : 11 Oct 2022 17:16
 Operator : CG/JU
 Sample : N5067-16
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: Oct 12 06:20:39 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	36528	20.000	ng	0.00
21) Naphthalene-d8	11.164	136	158173	20.000	ng	0.00
39) Acenaphthene-d10	14.936	164	116621	20.000	ng	0.00
64) Phenanthrene-d10	17.668	188	249492	20.000	ng	0.00
76) Chrysene-d12	21.963	240	233153	20.000	ng	0.00
86) Perylene-d12	25.418	264	250545	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.847	112	213973	130.109	ng	0.00
7) Phenol-d6	7.457	99	293538	119.127	ng	0.00
23) Nitrobenzene-d5	9.501	82	186104	70.306	ng	0.00
42) 2,4,6-Tribromophenol	16.411	330	158933	131.089	ng	0.00
45) 2-Fluorobiphenyl	13.567	172	442518	59.237	ng	0.00
79) Terphenyl-d14	20.248	244	678270	58.799	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.217	128	1256279	150.488	ng	98
37) 2-Methylnaphthalene	12.792	142	132218	21.492	ng	99
38) 1-Methylnaphthalene	13.009	142	122782m	20.518	ng	
52) Acenaphthene	15.001	154	55006	8.303	ng	97
55) Dibenzofuran	15.330	168	59196	5.601	ng	# 96
58) Fluorene	15.976	166	103678	12.258	ng	97
71) Phenanthrene	17.715	178	918911	70.116	ng	99
72) Anthracene	17.803	178	156664	12.291	ng	99
73) Carbazole	18.062	167	49186	4.396	ng	97
75) Fluoranthene	19.707	202	1032597	63.158	ng	98
78) Pyrene	20.065	202	957402	61.755	ng	96
81) Benzo(a)anthracene	21.946	228	399252	26.956	ng	99
83) Chrysene	22.016	228	375146	26.280	ng	97
87) Indeno(1,2,3-cd)pyrene	29.384	276	231198	12.787	ng	99
88) Benzo(b)fluoranthene	24.319	252	438982	29.737	ng	98
89) Benzo(k)fluoranthene	24.378	252	160283m	10.777	ng	
90) Benzo(a)pyrene	25.253	252	351505	27.782	ng	97
91) Dibenzo(a,h)anthracene	29.443	278	62743	4.272	ng	# 92
92) Benzo(g,h,i)perylene	30.635	276	222755	15.108	ng	98

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

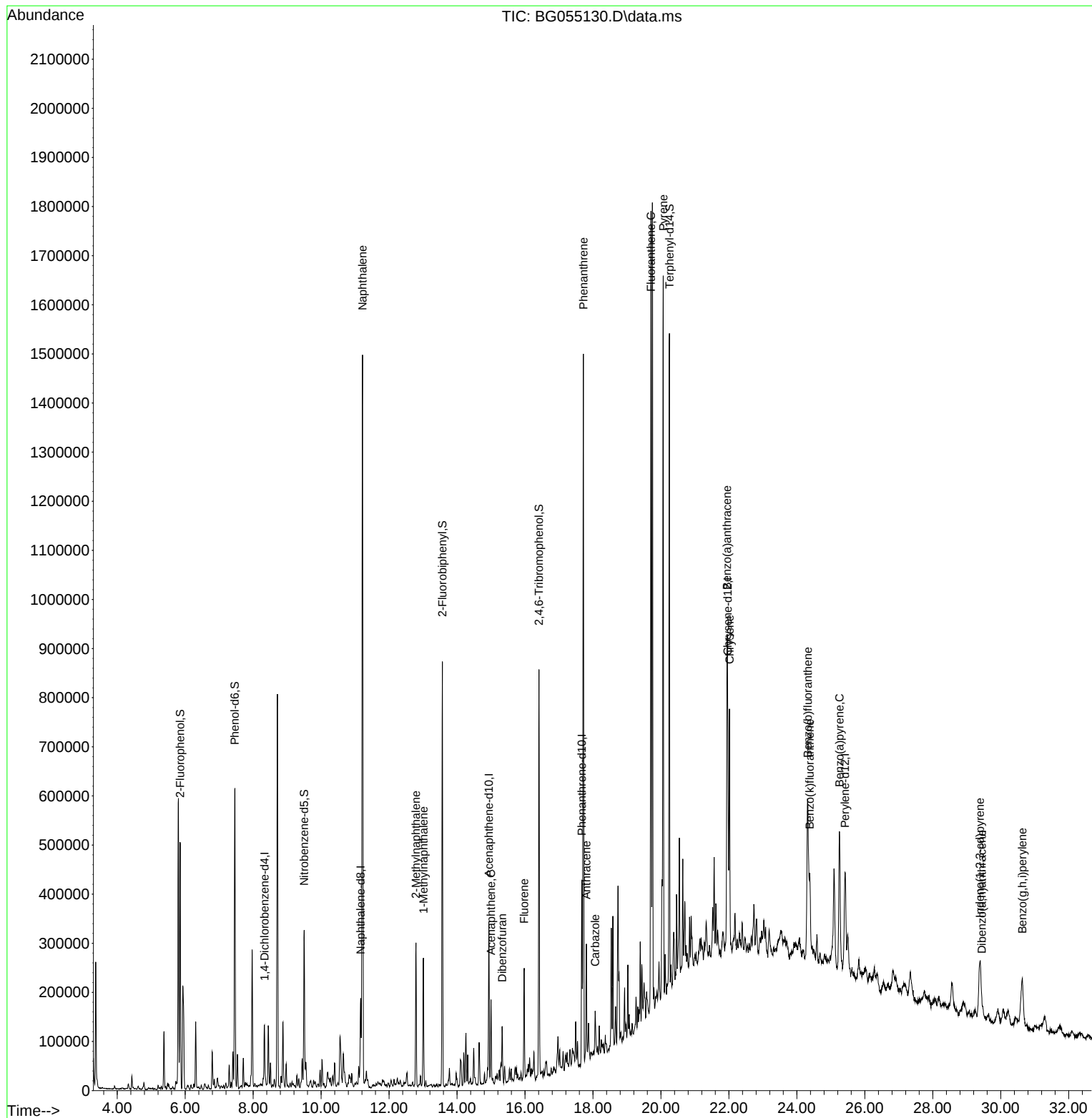
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101122\
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ALS Vial : 11 Sample Multiplier: 1

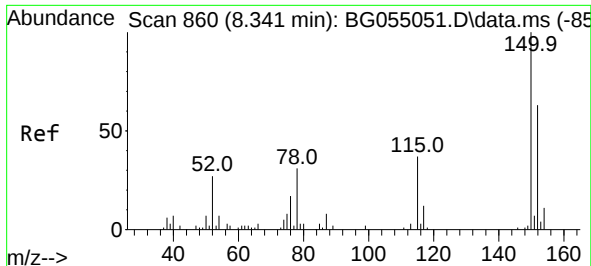
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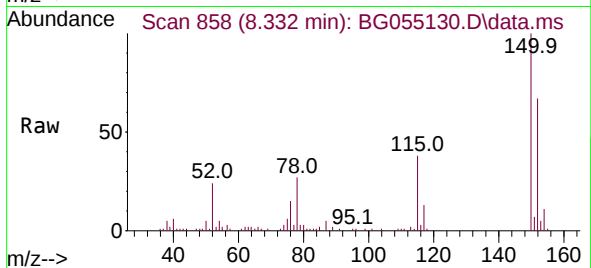
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.332 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG055130.D
Acq: 11 Oct 2022 17:16

Instrument :

BNA_G

ClientSampleId :

COMP-B-3-VERT

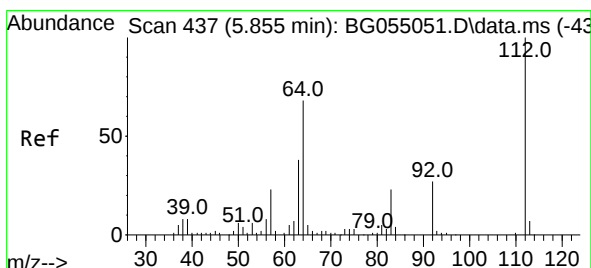
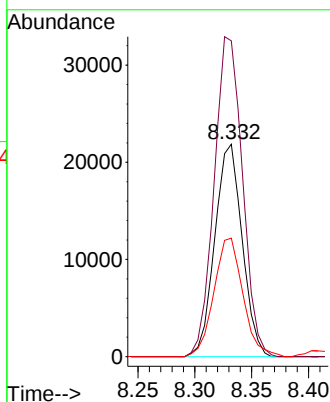
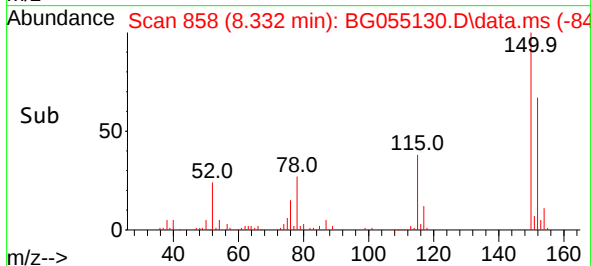


Tgt Ion:152 Resp: 36528
Ion Ratio Lower Upper
152 100
150 148.7 128.0 192.0
115 55.8 47.7 71.5

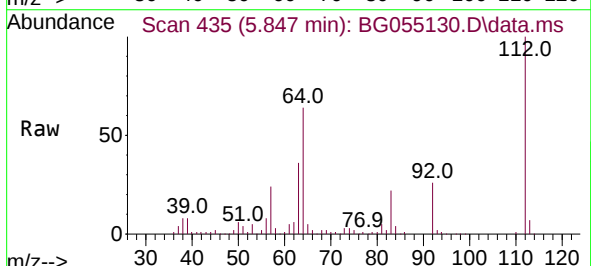
Manual Integrations

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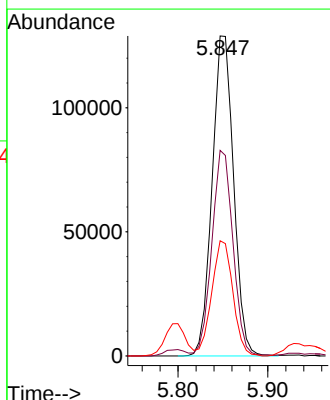
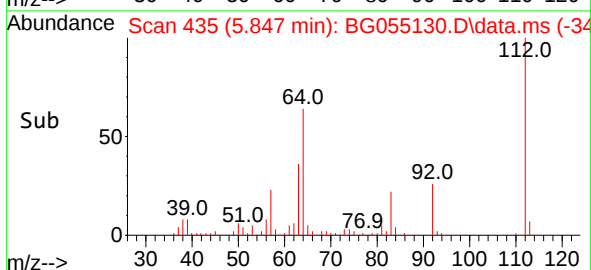
Reviewed By :Christian Giraldo 10/12/2022
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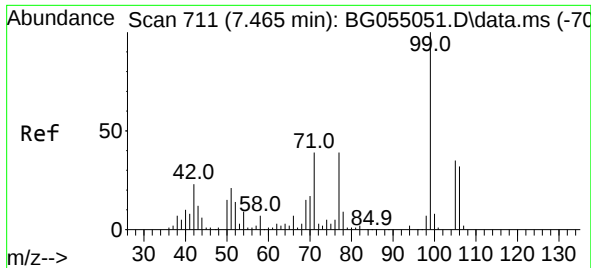


#5
2-Fluorophenol
Concen: 130.109 ng
RT: 5.847 min Scan# 435
Delta R.T. -0.006 min
Lab File: BG055130.D
Acq: 11 Oct 2022 17:16



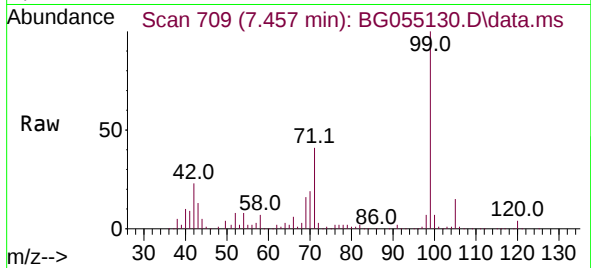
Tgt Ion:112 Resp: 213973
Ion Ratio Lower Upper
112 100
64 64.2 54.5 81.7
63 36.0 30.5 45.7





#7
Phenol-d6
Concen: 119.127 ng
RT: 7.457 min Scan# 70
Delta R.T. -0.006 min
Lab File: BG055130.D
Acq: 11 Oct 2022 17:16

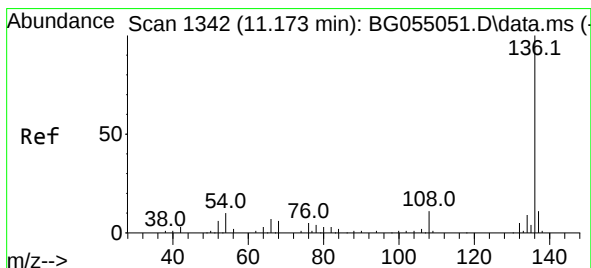
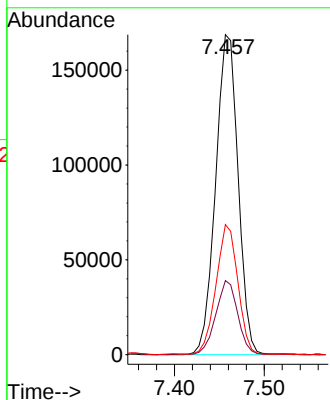
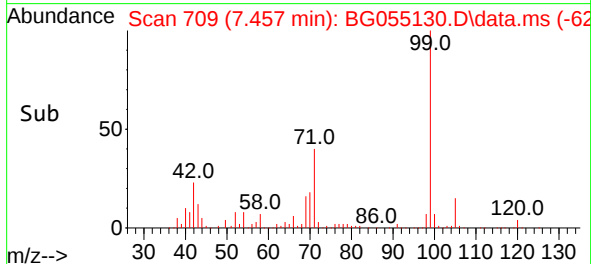
Instrument :
BNA_G
ClientSampleId :
COMP-B-3-VERT



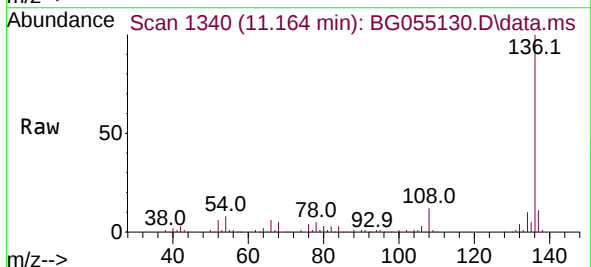
Tgt Ion: 99 Resp: 293538
Ion Ratio Lower Upper
99 100
42 23.1 18.6 28.0
71 40.6 31.2 46.8

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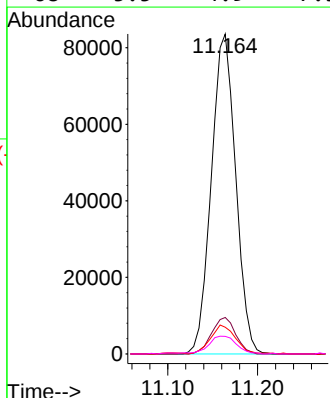
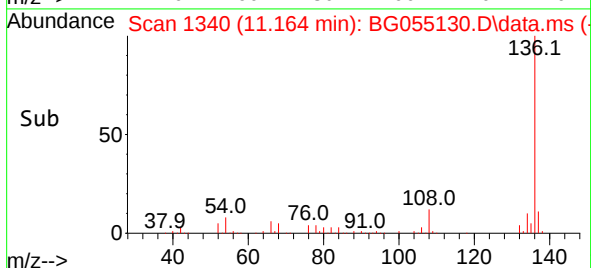
Reviewed By :Christian Giraldo 10/12/2022
Supervised By :Jagrut Upadhyay 10/12/2022

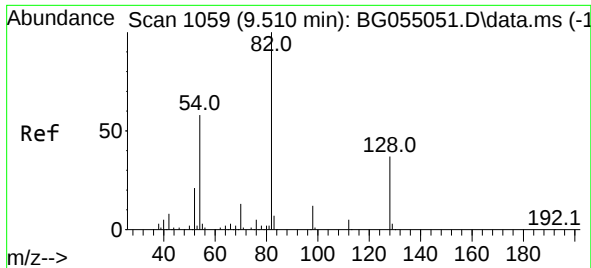


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.164 min Scan# 1340
Delta R.T. -0.006 min
Lab File: BG055130.D
Acq: 11 Oct 2022 17:16



Tgt Ion:136 Resp: 158173
Ion Ratio Lower Upper
136 100
137 11.4 8.7 13.1
54 8.3 8.2 12.4
68 5.5 4.9 7.3





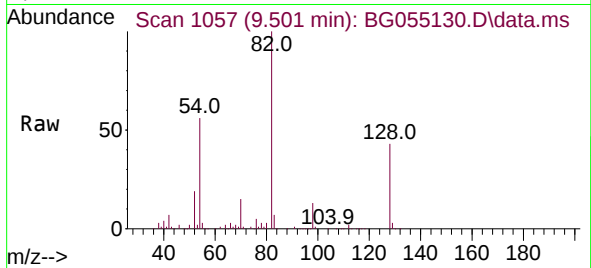
#23
Nitrobenzene-d5
Concen: 70.306 ng
RT: 9.501 min Scan# 1057
Delta R.T. -0.006 min
Lab File: BG055130.D
Acq: 11 Oct 2022 17:16

Instrument :

BNA_G

ClientSampleId :

COMP-B-3-VERT

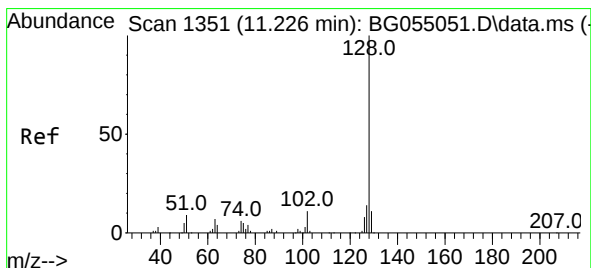
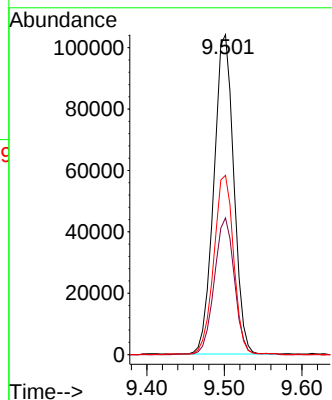
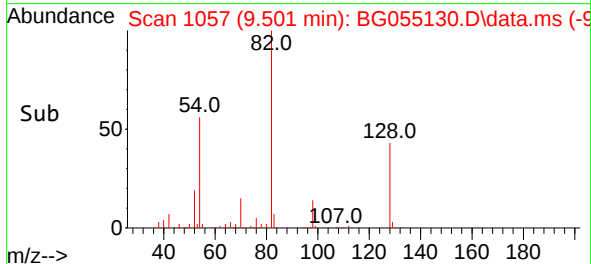


Tgt Ion: 82 Resp: 186104
Ion Ratio Lower Upper
82 100
128 42.7 29.5 44.3
54 56.0 46.7 70.1

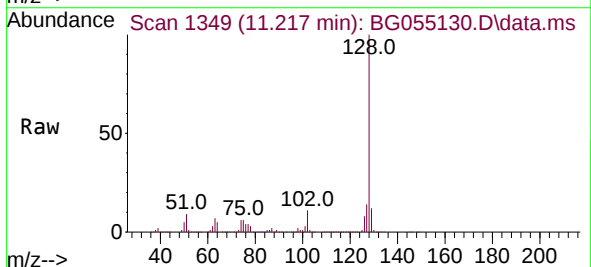
Manual Integrations

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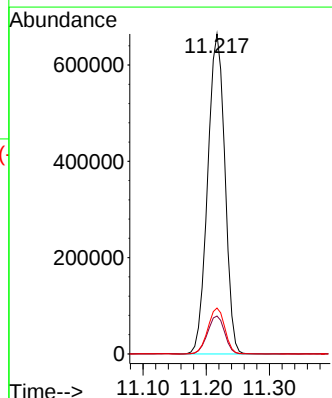
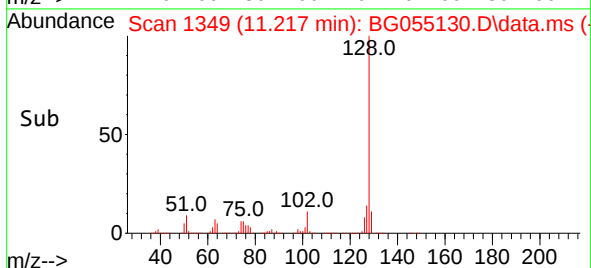
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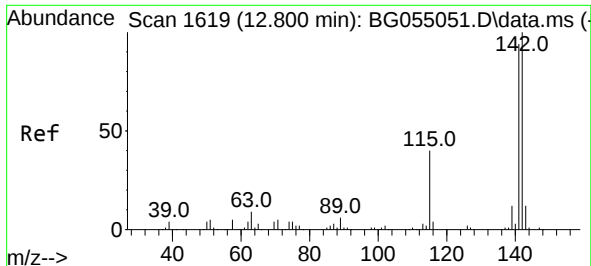


#31
Naphthalene
Concen: 150.488 ng
RT: 11.217 min Scan# 1349
Delta R.T. 0.000 min
Lab File: BG055130.D
Acq: 11 Oct 2022 17:16



Tgt Ion:128 Resp: 1256279
Ion Ratio Lower Upper
128 100
129 11.9 8.7 13.1
127 14.3 10.9 16.3





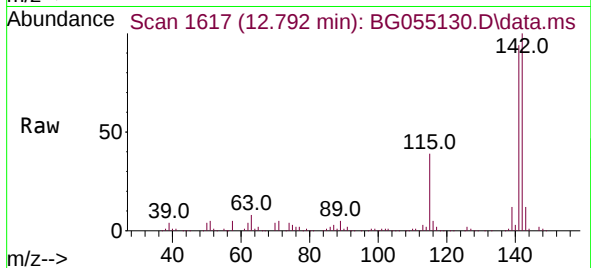
#37
2-Methylnaphthalene
Concen: 21.492 ng
RT: 12.792 min Scan# 1617
Delta R.T. -0.006 min
Lab File: BG055130.D
Acq: 11 Oct 2022 17:16

Instrument :

BNA_G

ClientSampleId :

COMP-B-3-VERT

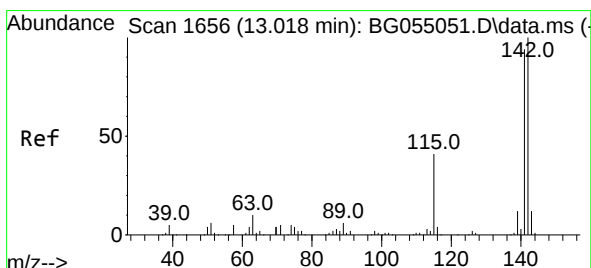
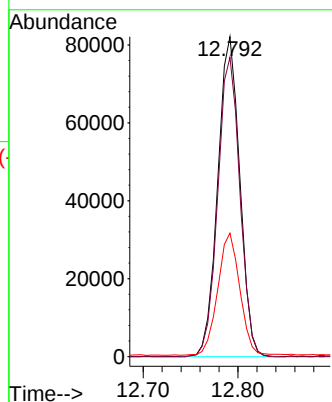
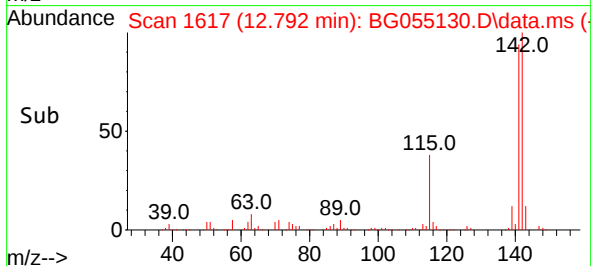


Tgt Ion:142 Resp: 132218
Ion Ratio Lower Upper
142 100
141 93.5 75.0 112.4
115 38.6 31.7 47.5

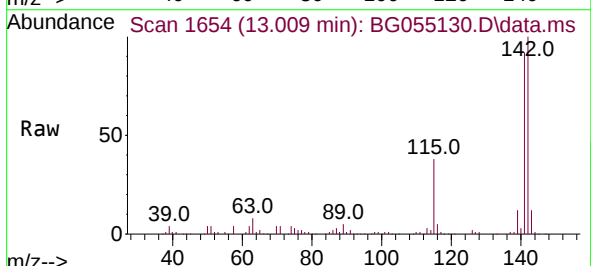
Manual Integrations

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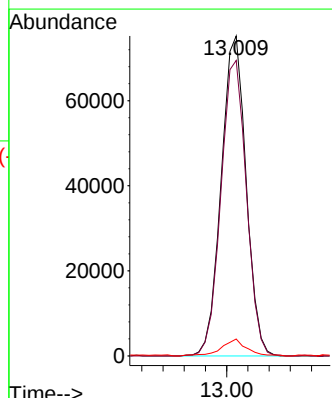
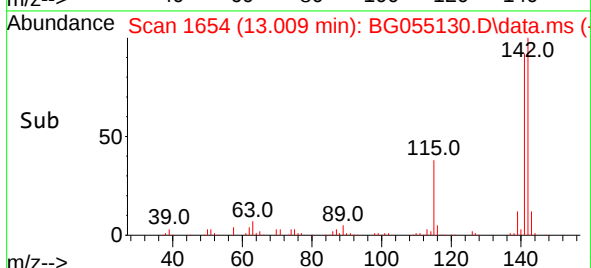
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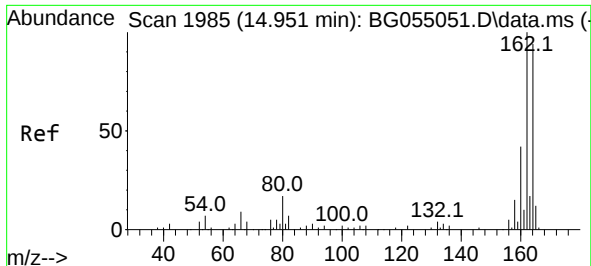


#38
1-Methylnaphthalene
Concen: 20.518 ng m
RT: 13.009 min Scan# 1654
Delta R.T. -0.006 min
Lab File: BG055130.D
Acq: 11 Oct 2022 17:16



Tgt Ion:142 Resp: 122782
Ion Ratio Lower Upper
142 100
141 92.3 75.5 113.3
116 5.3 3.4 5.2#





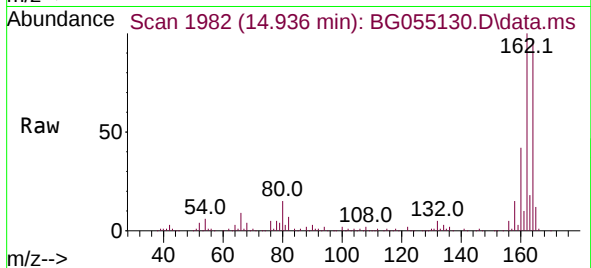
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.936 min Scan# 1982
Delta R.T. -0.006 min
Lab File: BG055130.D
Acq: 11 Oct 2022 17:16

Instrument :

BNA_G

ClientSampleId :

COMP-B-3-VERT

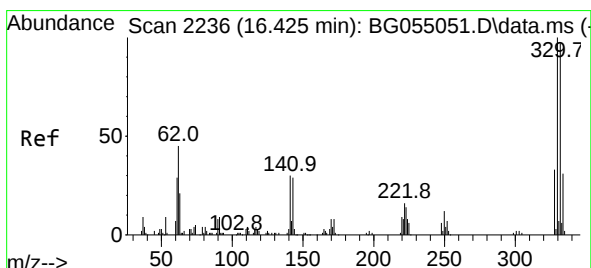
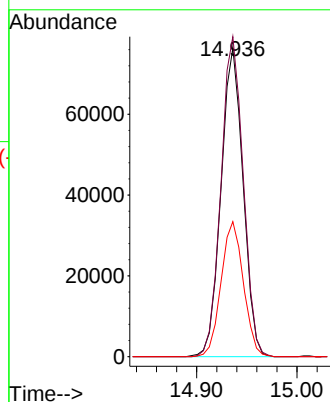
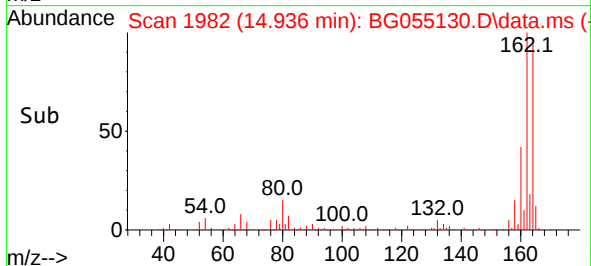


Tgt Ion:164 Resp: 116621
Ion Ratio Lower Upper
164 100
162 103.6 85.5 128.3
160 43.7 35.5 53.3

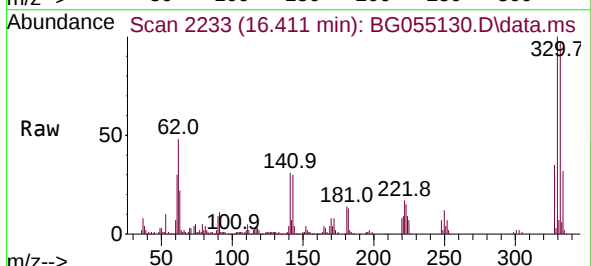
Manual Integrations

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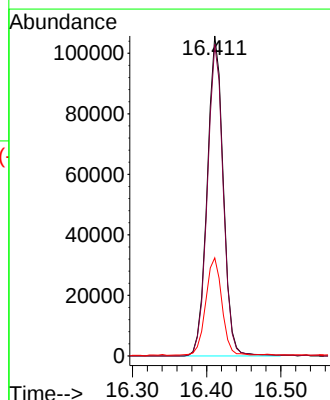
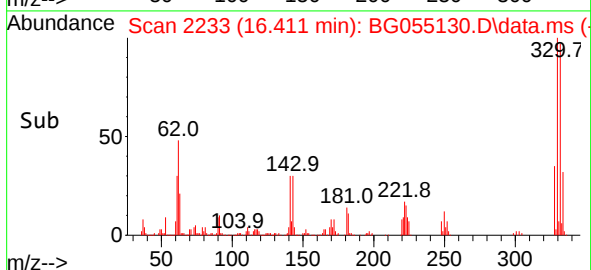
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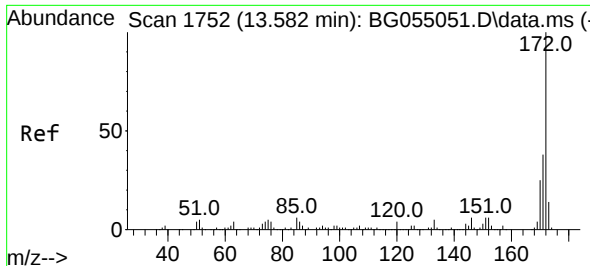


#42
2,4,6-Tribromophenol
Concen: 131.089 ng
RT: 16.411 min Scan# 2233
Delta R.T. -0.006 min
Lab File: BG055130.D
Acq: 11 Oct 2022 17:16



Tgt Ion:330 Resp: 158933
Ion Ratio Lower Upper
330 100
332 96.6 77.4 116.0
141 30.6 25.0 37.4





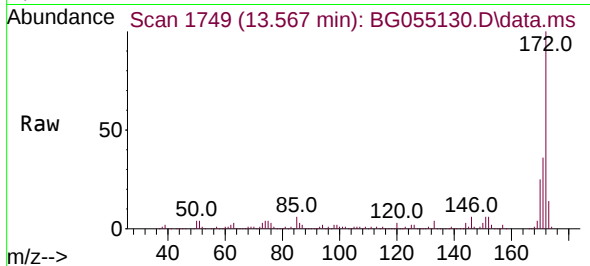
#45
2-Fluorobiphenyl
Concen: 59.237 ng
RT: 13.567 min Scan# 1752
Delta R.T. -0.006 min
Lab File: BG055130.D
Acq: 11 Oct 2022 17:16

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COMP-B-3-VERT

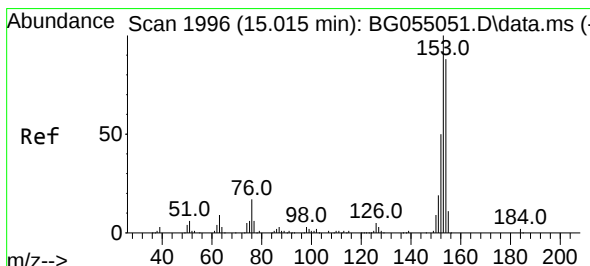
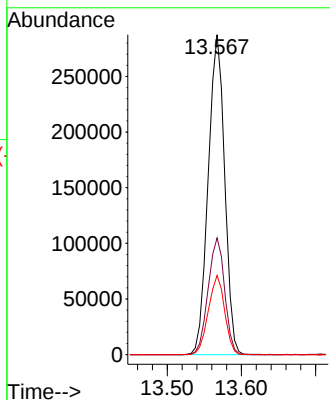
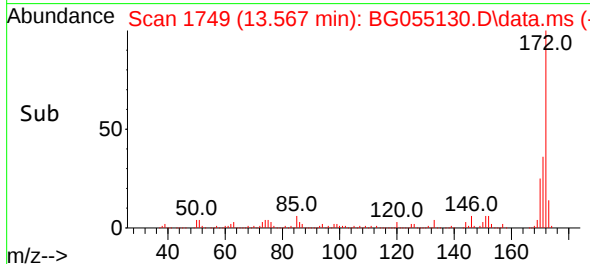


Tgt Ion:172 Resp: 442518
Ion Ratio Lower Upper
172 100
171 36.5 30.1 45.1
170 24.7 20.0 30.0

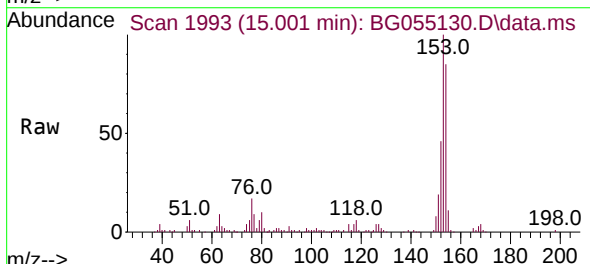
Manual Integrations

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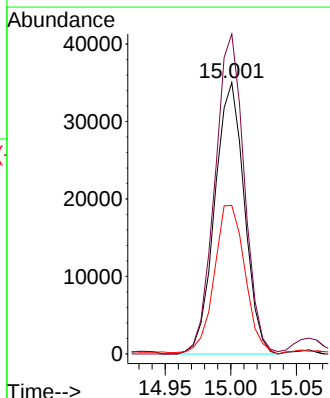
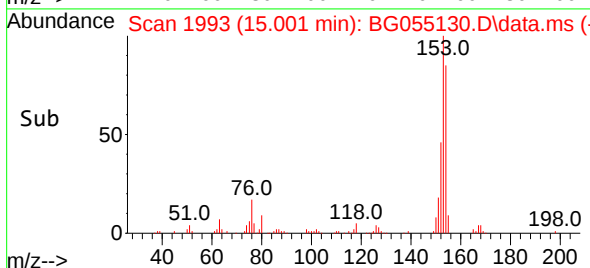
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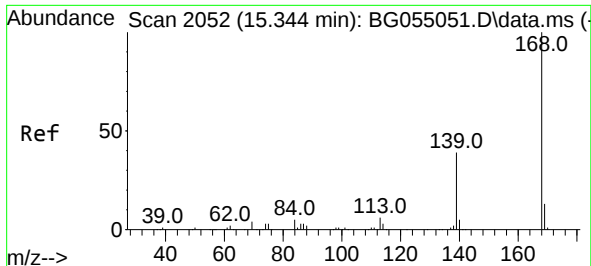


#52
Acenaphthene
Concen: 8.303 ng
RT: 15.001 min Scan# 1993
Delta R.T. -0.006 min
Lab File: BG055130.D
Acq: 11 Oct 2022 17:16



Tgt Ion:154 Resp: 55006
Ion Ratio Lower Upper
154 100
153 118.0 91.4 137.0
152 54.7 45.3 67.9





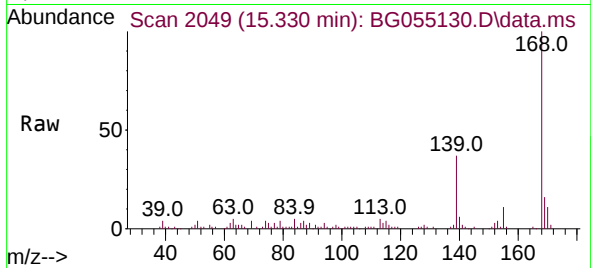
#55
Dibenzenofuran
Concen: 5.601 ng
RT: 15.330 min Scan# 2049
Delta R.T. -0.006 min
Lab File: BG055130.D
Acq: 11 Oct 2022 17:16

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COMP-B-3-VERT

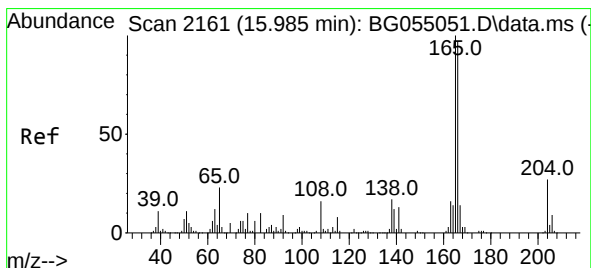
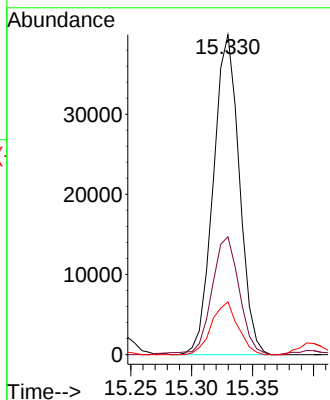
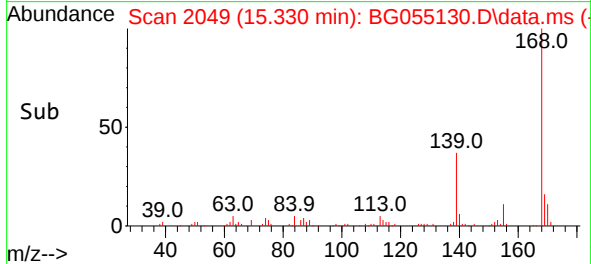


Tgt Ion:168 Resp: 59196
Ion Ratio Lower Upper
168 100
139 36.8 31.0 46.4
169 16.5 10.6 16.0

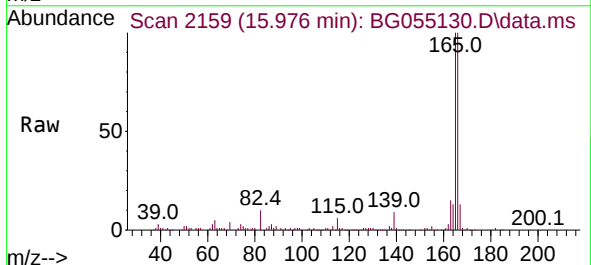
Manual Integrations

APPROVED

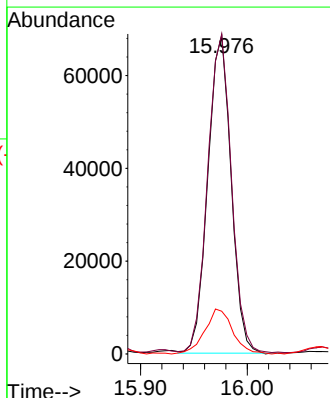
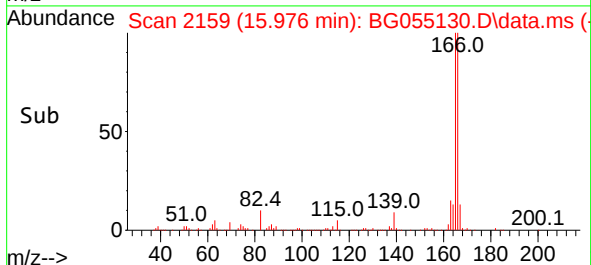
Reviewed By :Christian Giraldo 10/12/2022
Supervised By :Jagrut Upadhyay 10/12/2022

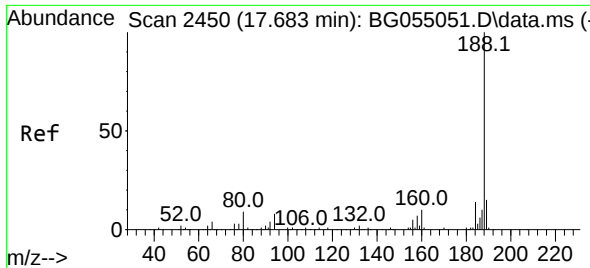


#58
Fluorene
Concen: 12.258 ng
RT: 15.976 min Scan# 2159
Delta R.T. -0.006 min
Lab File: BG055130.D
Acq: 11 Oct 2022 17:16



Tgt Ion:166 Resp: 103678
Ion Ratio Lower Upper
166 100
165 100.4 82.6 123.8
167 13.4 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: BG055130.D
Acq: 11 Oct 2022 17:16

Instrument :

BNA_G

ClientSampleId :

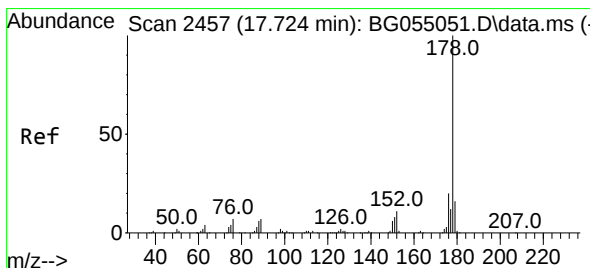
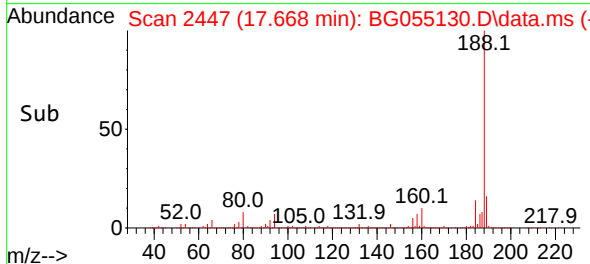
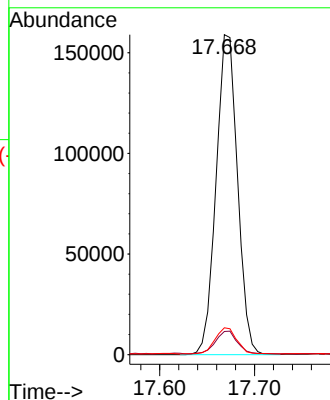
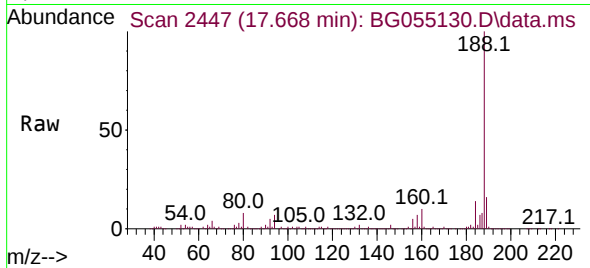
COMP-B-3-VERT

Tgt Ion:188 Resp: 249492
Ion Ratio Lower Upper
188 100
94 7.2 6.2 9.2
80 8.4 7.2 10.8

Manual Integrations

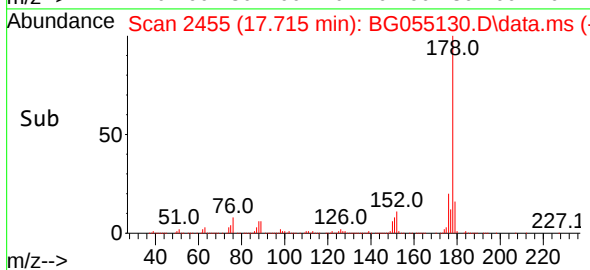
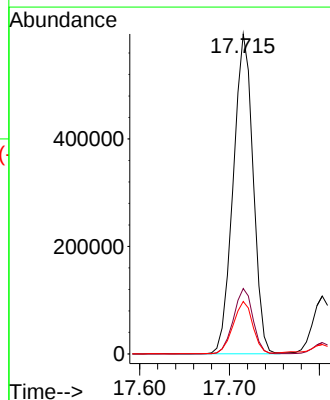
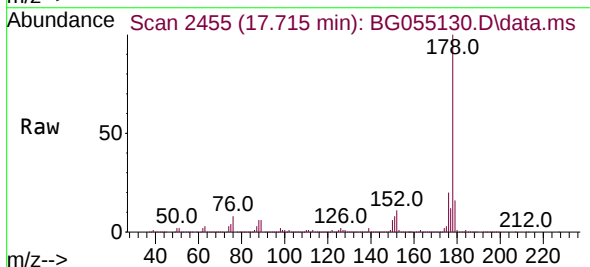
APPROVED

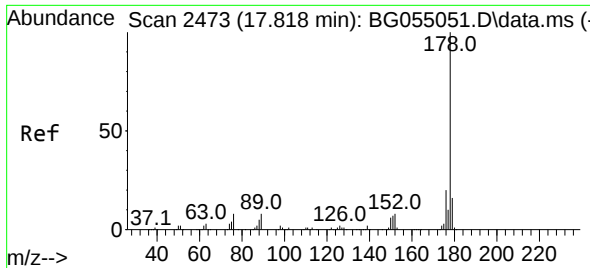
Reviewed By :Christian Giraldo 10/12/2022
Supervised By :Jagrut Upadhyay 10/12/2022



#71
Phenanthrene
Concen: 70.116 ng
RT: 17.715 min Scan# 2455
Delta R.T. -0.006 min
Lab File: BG055130.D
Acq: 11 Oct 2022 17:16

Tgt Ion:178 Resp: 918911
Ion Ratio Lower Upper
178 100
176 20.4 15.8 23.6
179 16.4 13.2 19.8





#72
 Anthracene
 Concen: 12.291 ng
 RT: 17.803 min Scan# 2473
 Delta R.T. -0.006 min
 Lab File: BG055130.D
 Acq: 11 Oct 2022 17:16

Instrument :

BNA_G

ClientSampleId :

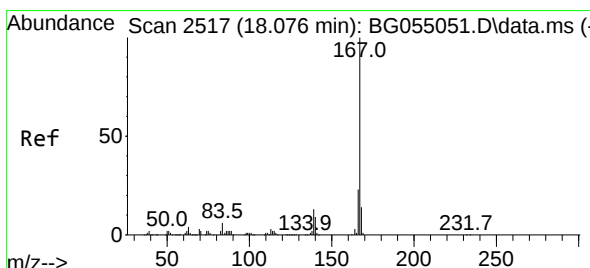
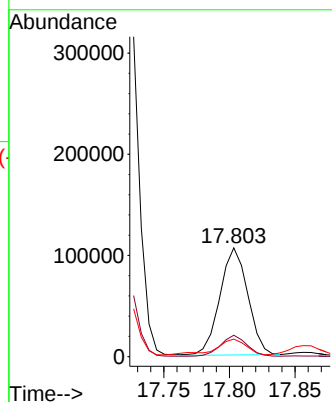
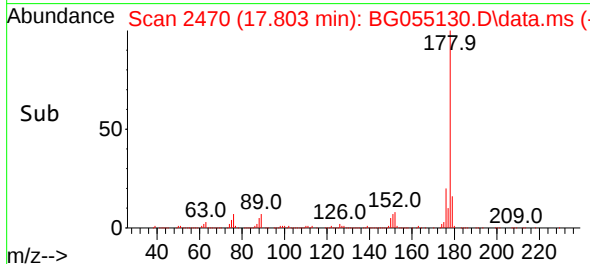
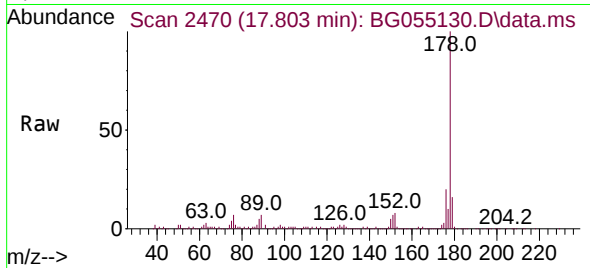
COMP-B-3-VERT

Tgt Ion:178 Resp: 156664
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.7 23.5
 179 16.1 12.5 18.7

Manual Integrations

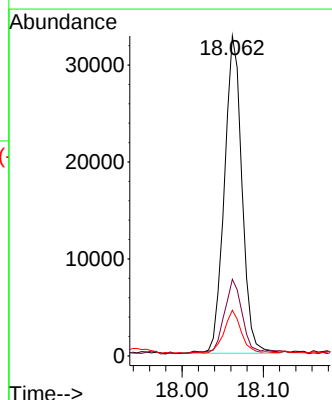
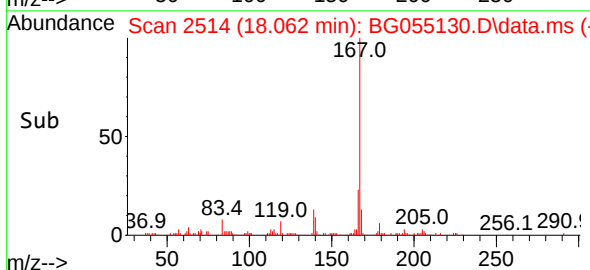
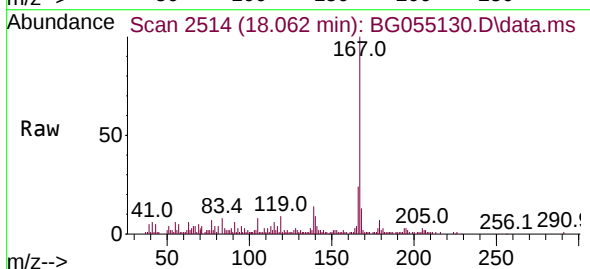
APPROVED

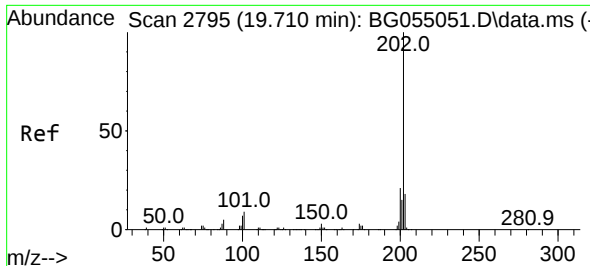
Reviewed By :Christian Giraldo 10/12/2022
 Supervised By :Jagrut Upadhyay 10/12/2022



#73
 Carbazole
 Concen: 4.396 ng
 RT: 18.062 min Scan# 2514
 Delta R.T. -0.006 min
 Lab File: BG055130.D
 Acq: 11 Oct 2022 17:16

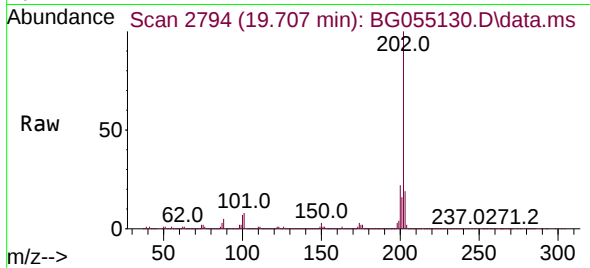
Tgt Ion:167 Resp: 49186
 Ion Ratio Lower Upper
 167 100
 166 23.9 18.2 27.2
 139 14.3 10.2 15.4





#75
Fluoranthene
Concen: 63.158 ng
RT: 19.707 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG055130.D
Acq: 11 Oct 2022 17:16

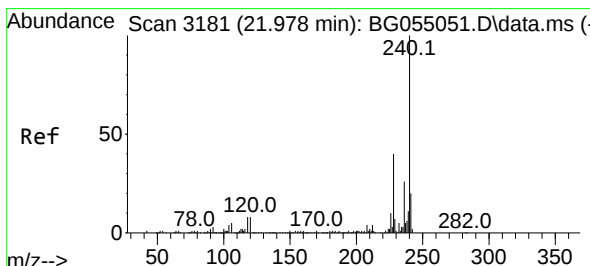
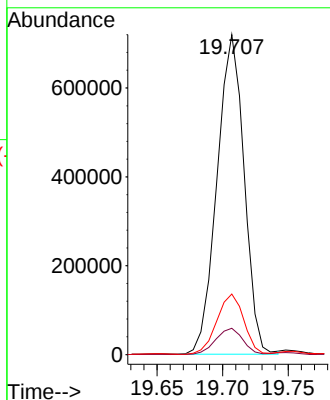
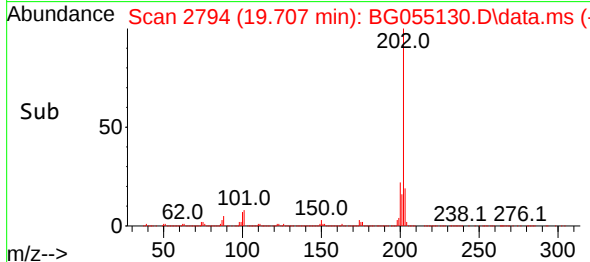
Instrument :
BNA_G
ClientSampleId :
COMP-B-3-VERT



Tgt Ion:202 Resp: 103259
Ion Ratio Lower Upper
202 100
101 8.2 0.0 28.9
203 18.9 0.0 37.7

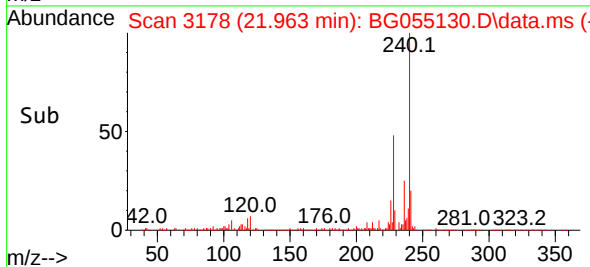
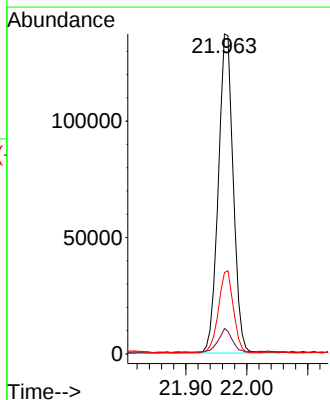
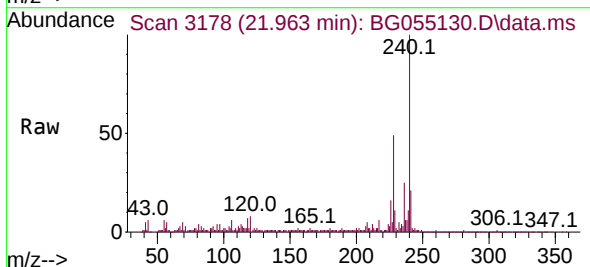
Manual Integrations
APPROVED

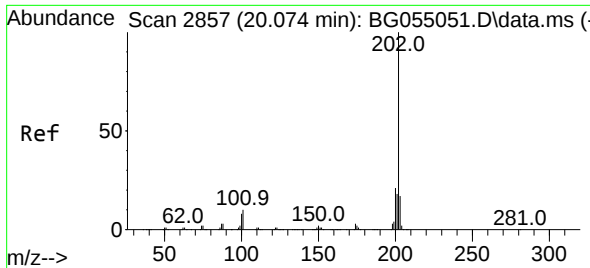
Reviewed By :Christian Giraldo 10/12/2022
Supervised By :Jagrut Upadhyay 10/12/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.963 min Scan# 3178
Delta R.T. -0.006 min
Lab File: BG055130.D
Acq: 11 Oct 2022 17:16

Tgt Ion:240 Resp: 233153
Ion Ratio Lower Upper
240 100
120 7.9 6.2 9.4
236 25.4 20.6 30.8





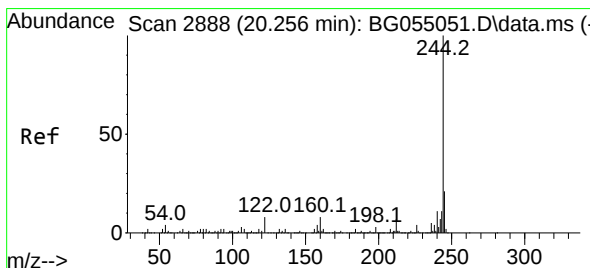
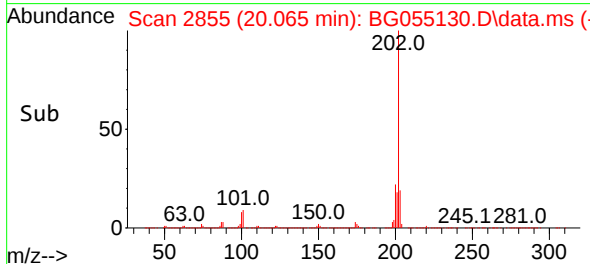
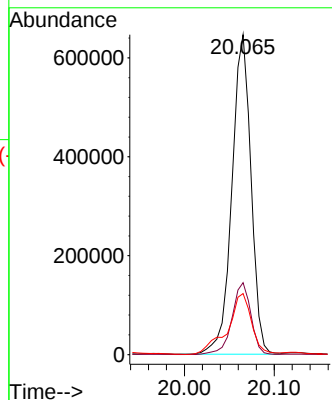
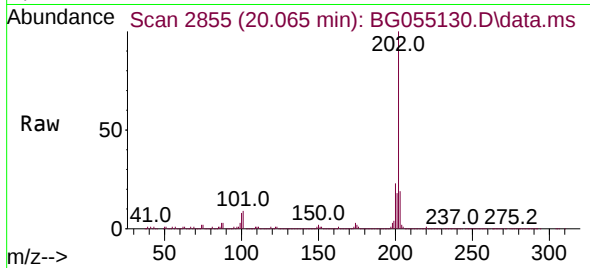
#78
 Pyrene
 Concen: 61.755 ng
 RT: 20.065 min Scan# 2855
 Delta R.T. 0.000 min
 Lab File: BG055130.D
 Acq: 11 Oct 2022 17:16

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

Tgt Ion:202 Resp: 957402
 Ion Ratio Lower Upper
 202 100
 200 22.5 16.6 25.0
 203 19.1 14.0 21.0

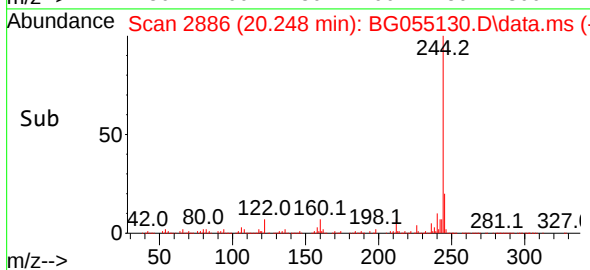
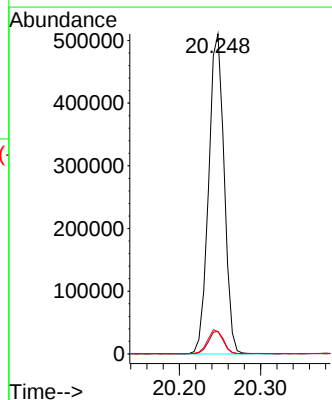
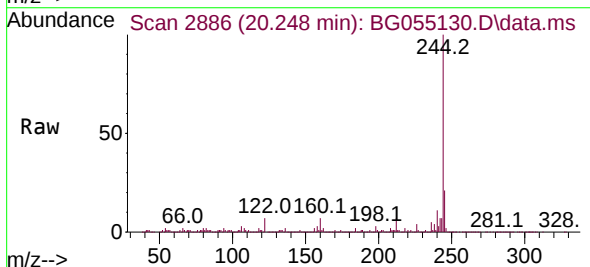
Manual Integrations
 APPROVED

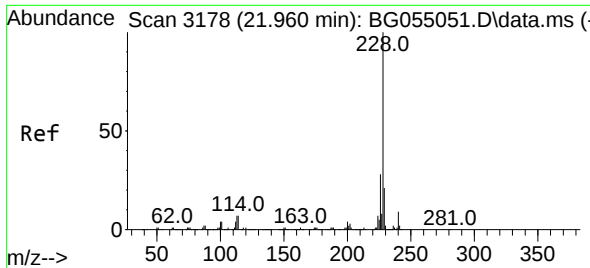
Reviewed By :Christian Giraldo 10/12/2022
 Supervised By :Jagrut Upadhyay 10/12/2022



#79
 Terphenyl-d14
 Concen: 58.799 ng
 RT: 20.248 min Scan# 2886
 Delta R.T. -0.006 min
 Lab File: BG055130.D
 Acq: 11 Oct 2022 17:16

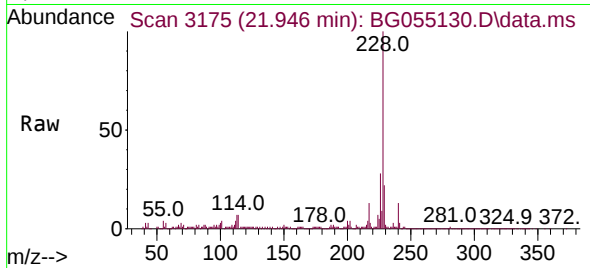
Tgt Ion:244 Resp: 678270
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 7.0 6.6 10.0





#81
Benzo(a)anthracene
Concen: 26.956 ng
RT: 21.946 min Scan# 3175
Delta R.T. -0.006 min
Lab File: BG055130.D
Acq: 11 Oct 2022 17:16

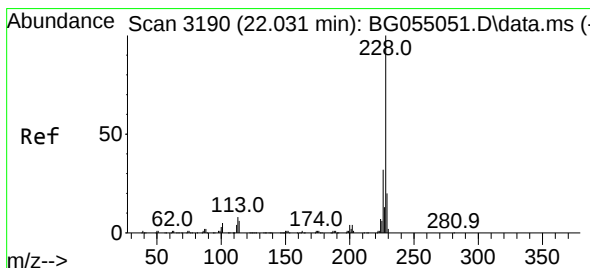
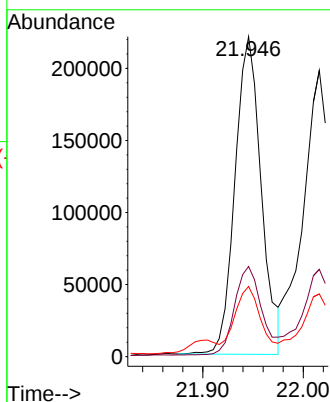
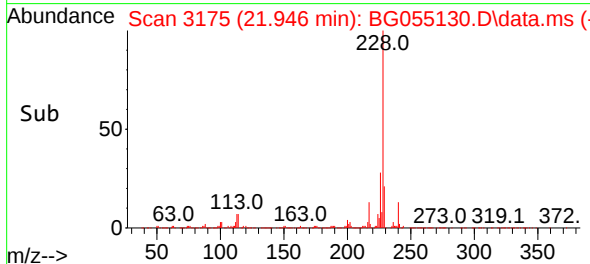
Instrument :
BNA_G
ClientSampleId :
COMP-B-3-VERT



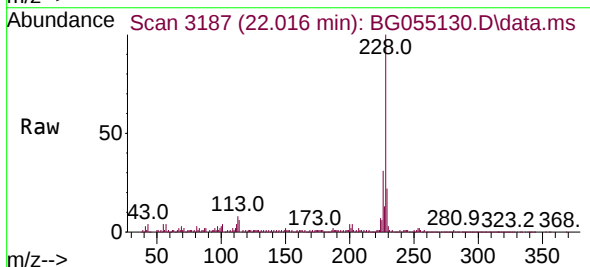
Tgt Ion:228 Resp: 399252
Ion Ratio Lower Upper
228 100
226 28.2 22.4 33.6
229 21.9 16.7 25.1

Manual Integrations
APPROVED

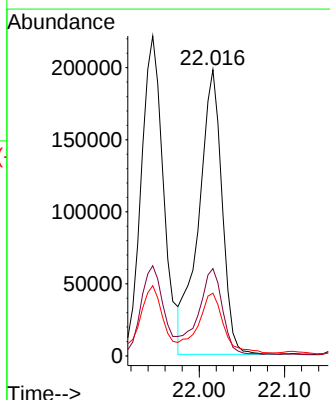
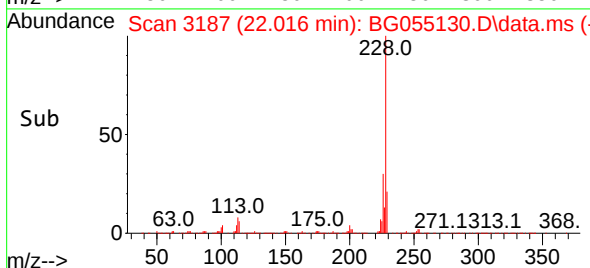
Reviewed By :Christian Giraldo 10/12/2022
Supervised By :Jagrut Upadhyay 10/12/2022

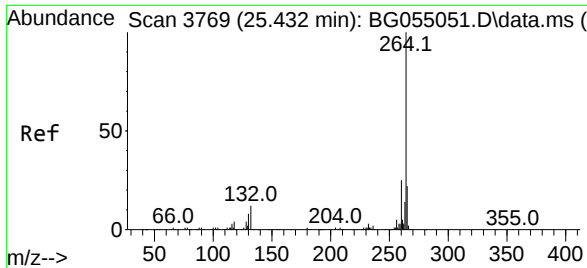


#83
Chrysene
Concen: 26.280 ng
RT: 22.016 min Scan# 3187
Delta R.T. -0.006 min
Lab File: BG055130.D
Acq: 11 Oct 2022 17:16



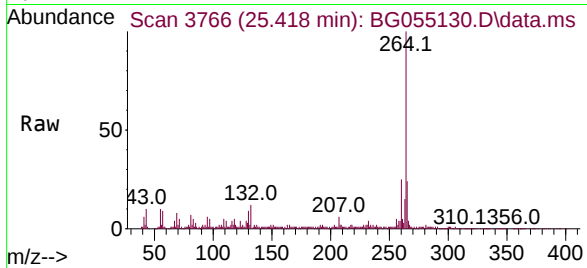
Tgt Ion:228 Resp: 375146
Ion Ratio Lower Upper
228 100
226 30.5 25.3 37.9
229 21.9 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.418 min Scan# 3766
Delta R.T. 0.000 min
Lab File: BG055130.D
Acq: 11 Oct 2022 17:16

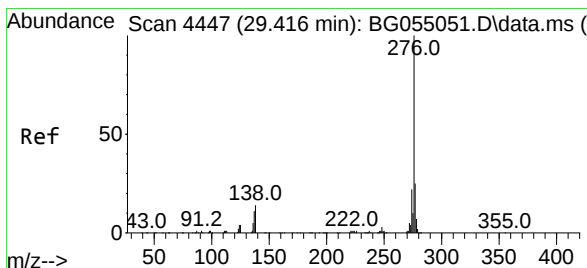
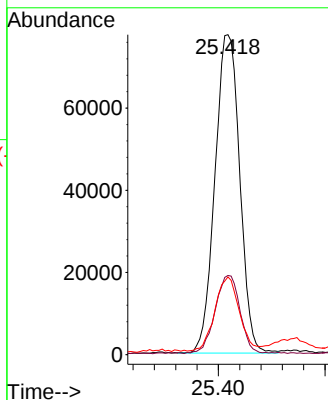
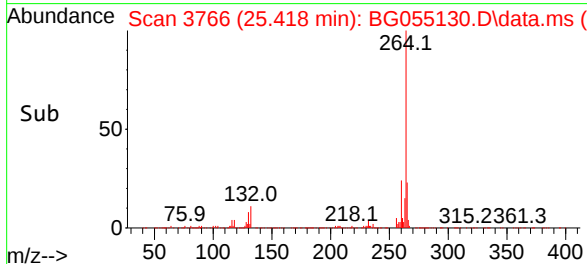
Instrument :
BNA_G
ClientSampleId :
COMP-B-3-VERT



Tgt Ion:264 Resp: 250545
Ion Ratio Lower Upper
264 100
260 24.7 19.7 29.5
265 24.3 17.8 26.6

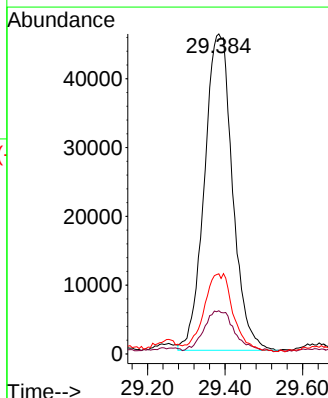
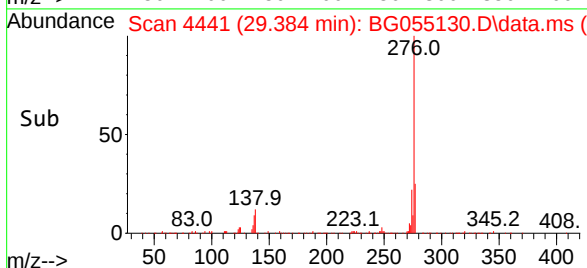
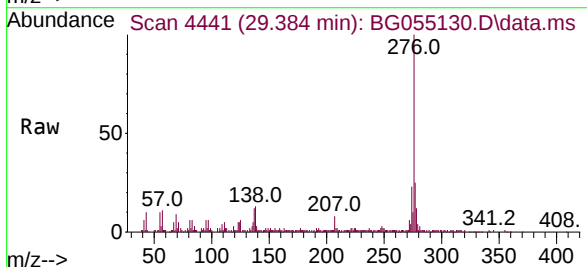
Manual Integrations
APPROVED

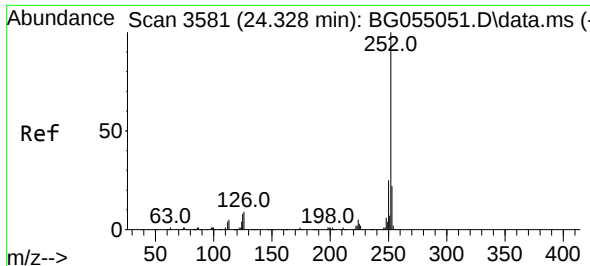
Reviewed By :Christian Giraldo 10/12/2022
Supervised By :Jagrut Upadhyay 10/12/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 12.787 ng
RT: 29.384 min Scan# 4441
Delta R.T. -0.006 min
Lab File: BG055130.D
Acq: 11 Oct 2022 17:16

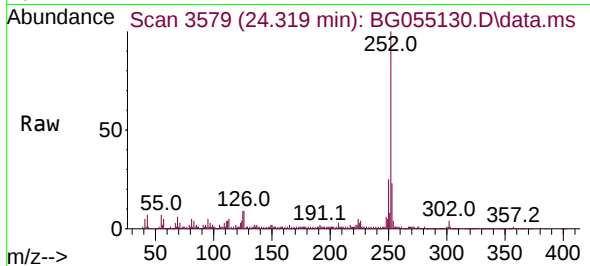
Tgt Ion:276 Resp: 231198
Ion Ratio Lower Upper
276 100
138 13.3 10.0 15.0
277 24.4 20.0 30.0





#88
Benzo(b)fluoranthene
Concen: 29.737 ng
RT: 24.319 min Scan# 3581
Delta R.T. 0.000 min
Lab File: BG055130.D
Acq: 11 Oct 2022 17:16

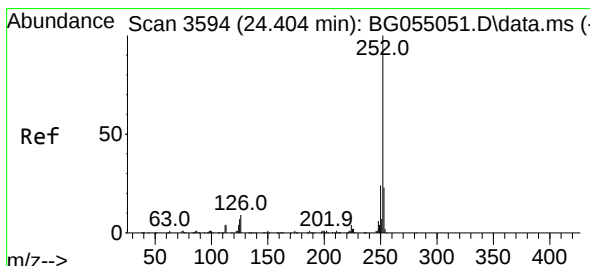
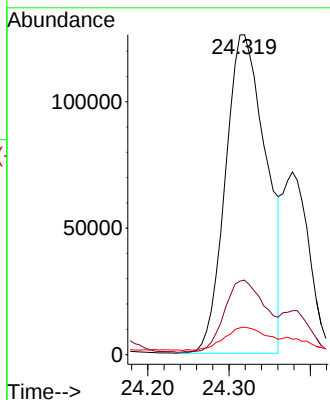
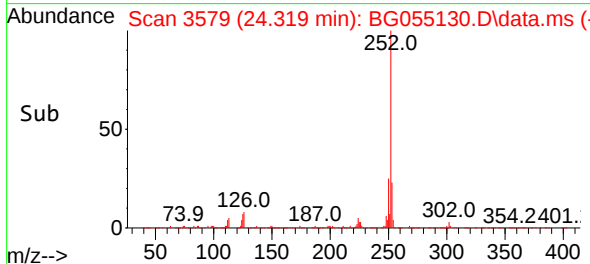
Instrument :
BNA_G
ClientSampleId :
COMP-B-3-VERT



Tgt Ion:252 Resp: 438982
Ion Ratio Lower Upper
252 100
253 23.3 17.9 26.9
125 8.6 6.1 9.1

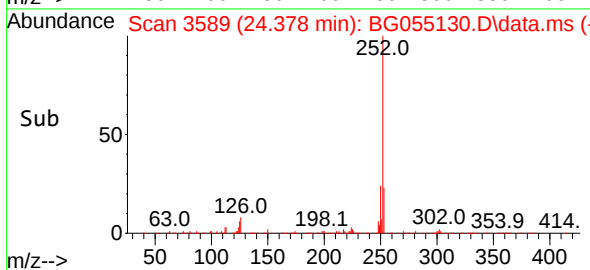
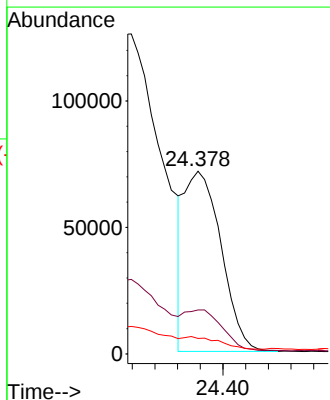
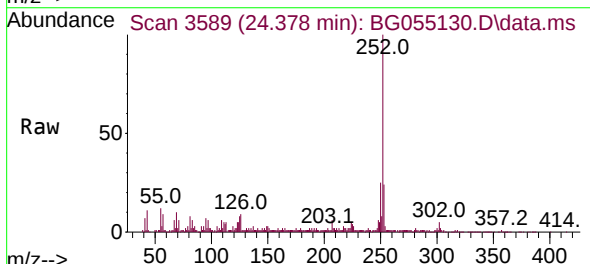
Manual Integrations
APPROVED

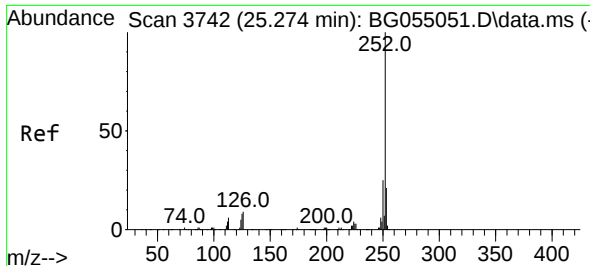
Reviewed By :Christian Giraldo 10/12/2022
Supervised By :Jagrut Upadhyay 10/12/2022



#89
Benzo(k)fluoranthene
Concen: 10.777 ng m
RT: 24.378 min Scan# 3589
Delta R.T. -0.012 min
Lab File: BG055130.D
Acq: 11 Oct 2022 17:16

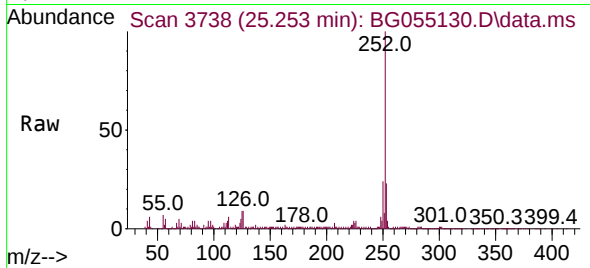
Tgt Ion:252 Resp: 160283
Ion Ratio Lower Upper
252 100
253 24.0 17.9 26.9
125 8.4 5.8 8.6





#90
Benzo(a)pyrene
Concen: 27.782 ng
RT: 25.253 min Scan# 31
Delta R.T. 0.000 min
Lab File: BG055130.D
Acq: 11 Oct 2022 17:16

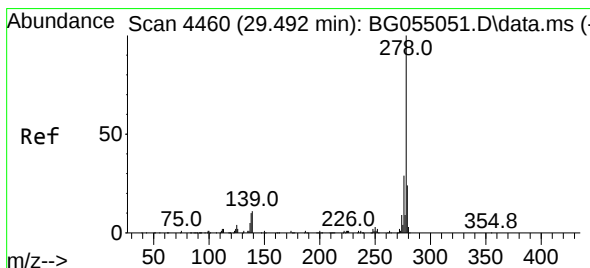
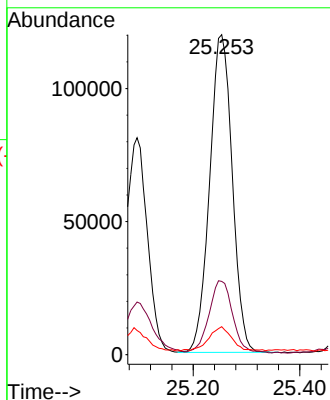
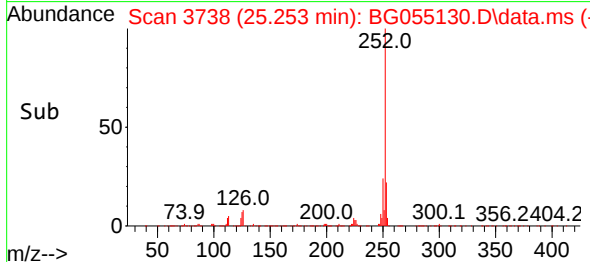
Instrument :
BNA_G
ClientSampleId :
COMP-B-3-VERT



Tgt Ion:252 Resp: 351505
Ion Ratio Lower Upper
252 100
253 22.9 16.9 25.3
125 8.7 6.6 9.8

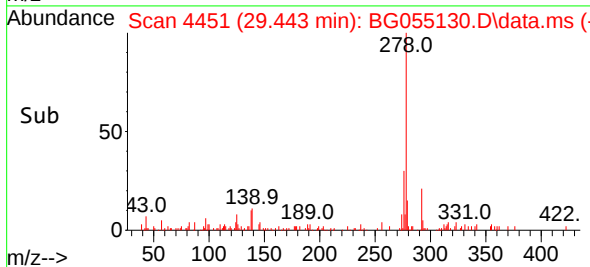
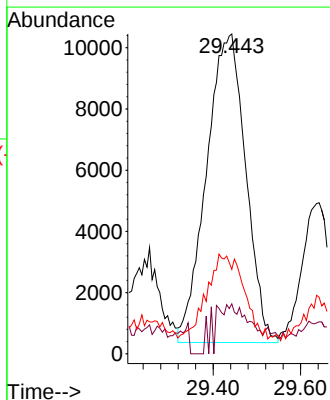
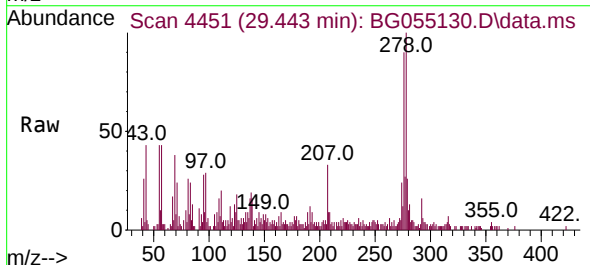
Manual Integrations
APPROVED

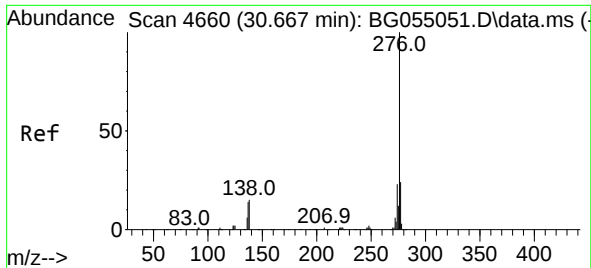
Reviewed By :Christian Giraldo 10/12/2022
Supervised By :Jagrut Upadhyay 10/12/2022



#91
Dibenzo(a,h)anthracene
Concen: 4.272 ng
RT: 29.443 min Scan# 4451
Delta R.T. -0.023 min
Lab File: BG055130.D
Acq: 11 Oct 2022 17:16

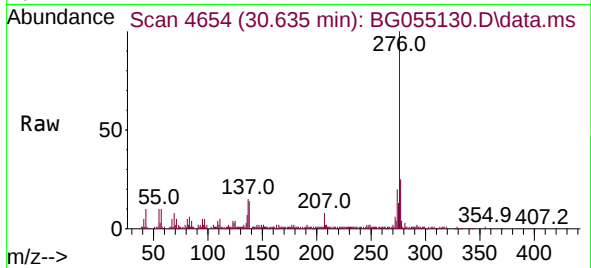
Tgt Ion:278 Resp: 62743
Ion Ratio Lower Upper
278 100
139 15.6 8.5 12.7#
279 26.4 19.0 28.6





#92
 Benzo(g,h,i)perylene
 Concen: 15.108 ng
 RT: 30.635 min Scan# 4654
 Delta R.T. 0.006 min
 Lab File: BG055130.D
 Acq: 11 Oct 2022 17:16

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



Tgt Ion: 276 Resp: 222755

Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.8	28.2
138	14.2	11.8	17.6

Manual Integrations
 APPROVED

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

