

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012323\
 Data File : BG056395.D
 Acq On : 23 Jan 2023 22:33
 Operator : CG/JU
 Sample : 01256-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-012023

Quant Time: Jan 24 04:30:39 2023
 Quant Title :
 QLast Update : Thu Jan 19 00:31:30 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 01/24/2023
 Supervised By : Jagrut Upadhyay 01/24/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.300	152	54206	20.000	ng	0.00
21) Naphthalene-d8	11.132	136	195325	20.000	ng	# 0.00
39) Acenaphthene-d10	14.916	164	137717	20.000	ng	0.00
64) Phenanthrene-d10	17.654	188	303420	20.000	ng	0.00
76) Chrysene-d12	21.954	240	296461	20.000	ng	# 0.00
86) Perylene-d12	25.409	264	296454	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.820	112	168476	55.494	ng	0.00
7) Phenol-d6	7.442	99	236278	50.679	ng	0.00
23) Nitrobenzene-d5	9.475	82	127371	33.356	ng	-0.01
42) 2,4,6-Tribromophenol	16.396	330	85008	48.739	ng	0.00
45) 2-Fluorobiphenyl	13.541	172	351975	35.293	ng	0.00
79) Terphenyl-d14	20.227	244	550126	33.236	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	11.185	128	377483	36.721	ng	99
37) 2-Methylnaphthalene	12.765	142	183784	21.174	ng	99
38) 1-Methylnaphthalene	12.983	142	125200m	15.533	ng	
46) 1,1'-Biphenyl	13.752	154	58849	5.967	ng	93
49) Acenaphthylene	14.645	152	42716	3.372	ng	# 85
52) Acenaphthene	14.980	154	130082	15.788	ng	97
55) Dibenzofuran	15.309	168	326469	23.944	ng	96
58) Fluorene	15.956	166	434867	39.653	ng	99
71) Phenanthrene	17.706	178	2888460	183.695	ng	96
72) Anthracene	17.789	178	758466	46.760	ng	99
73) Carbazole	18.047	167	199325	14.619	ng	96
75) Fluoranthene	19.698	202	3652732	178.088	ng	92
78) Pyrene	20.057	202	3105895	148.637	ng	# 92
81) Benzo(a)anthracene	21.931	228	1767094	84.864	ng	97
83) Chrysene	22.007	228	1488628m	76.322	ng	
87) Indeno(1,2,3-cd)pyrene	29.375	276	591833	27.450	ng	# 93
88) Benzo(b)fluoranthene	24.311	252	1733534	92.035	ng	# 96
89) Benzo(k)fluoranthene	24.363	252	823603m	43.910	ng	
90) Benzo(a)pyrene	25.245	252	1435081	78.115	ng	97
91) Dibenzo(a,h)anthracene	29.405	278	154441	8.544	ng	# 84
92) Benzo(g,h,i)perylene	30.621	276	453761	25.886	ng	98

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

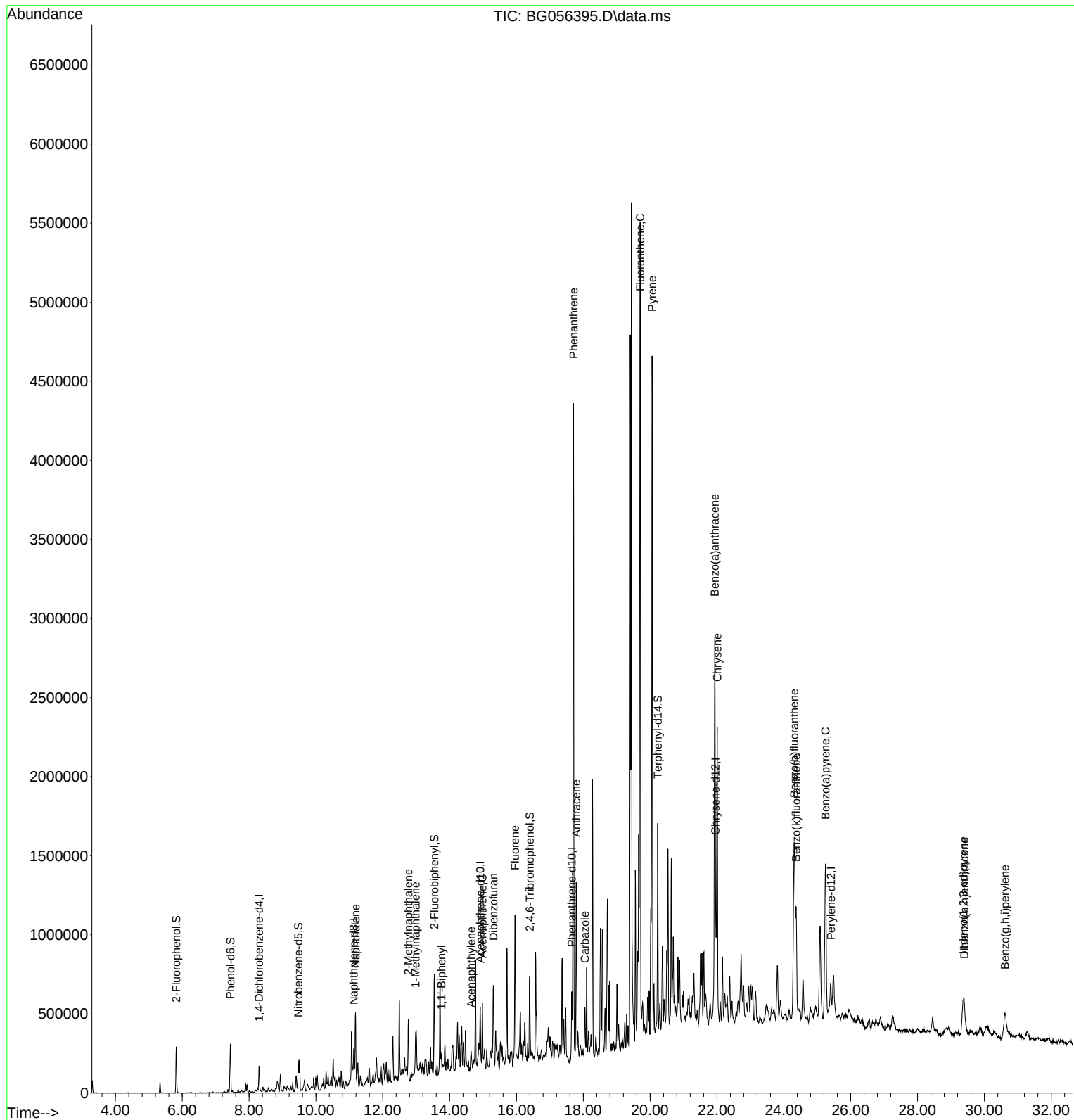
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012323\
Data File : BG056395.D
Acq On : 23 Jan 2023 22:33
Operator : CG/JU
Sample : 01256-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-02-012023

Quant Time: Jan 24 04:30:39 2023
Quant Title :
QLast Update : Thu Jan 19 00:31:30 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

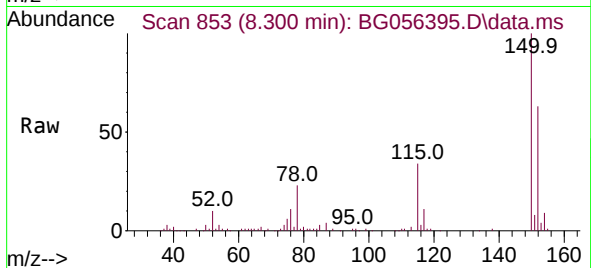
Reviewed By : Christian Giraldo 01/24/2023
Supervised By : Jagrut Upadhyay 01/24/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.300 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG056395.D
Acq: 23 Jan 2023 22:33

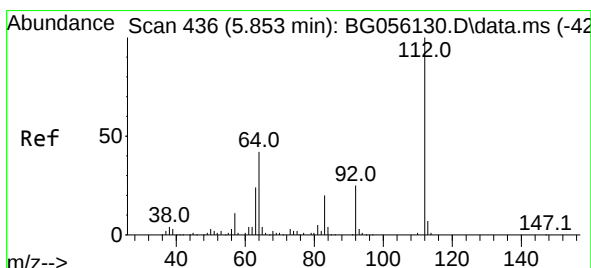
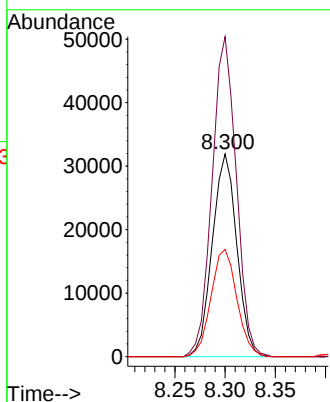
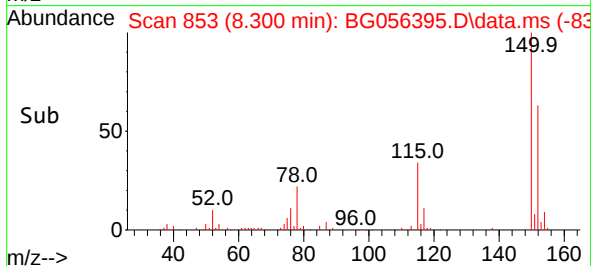
Instrument :
BNA_G
ClientSampleId :
OR-02-012023



Tgt Ion:152 Resp: 54206
Ion Ratio Lower Upper
152 100
150 158.0 127.9 191.9
115 53.0 44.2 66.2

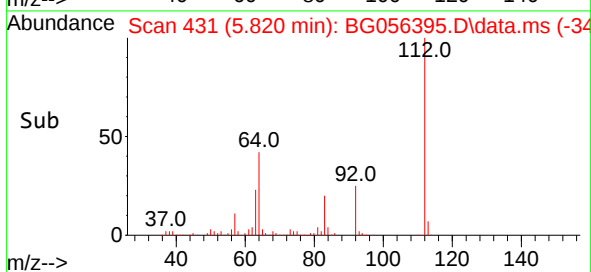
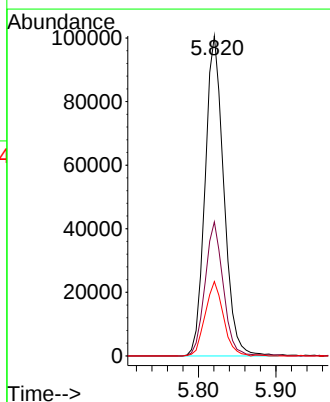
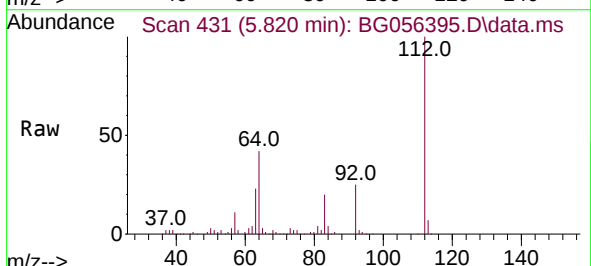
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023



#5
2-Fluorophenol
Concen: 55.494 ng
RT: 5.820 min Scan# 431
Delta R.T. -0.006 min
Lab File: BG056395.D
Acq: 23 Jan 2023 22:33

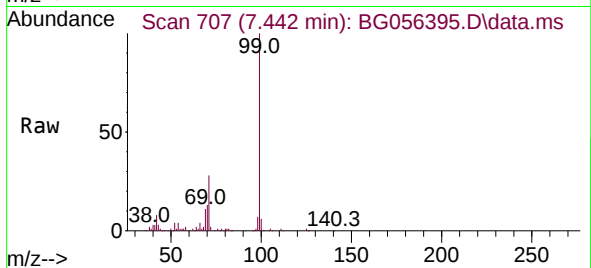
Tgt Ion:112 Resp: 168476
Ion Ratio Lower Upper
112 100
64 41.9 33.3 49.9
63 23.2 19.0 28.4





#7
Phenol-d6
Concen: 50.679 ng
RT: 7.442 min Scan# 70
Delta R.T. -0.006 min
Lab File: BG056395.D
Acq: 23 Jan 2023 22:33

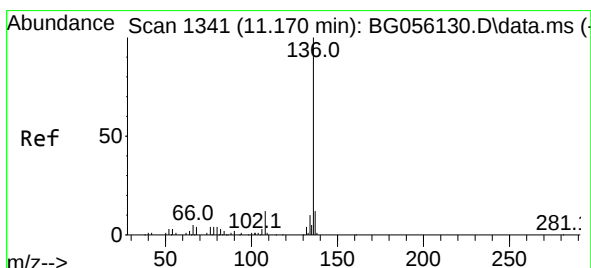
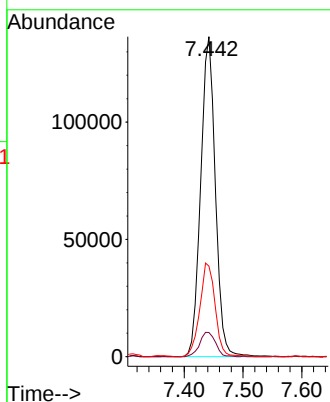
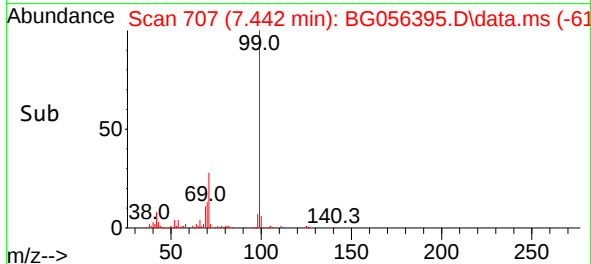
Instrument :
BNA_G
ClientSampleId :
OR-02-012023



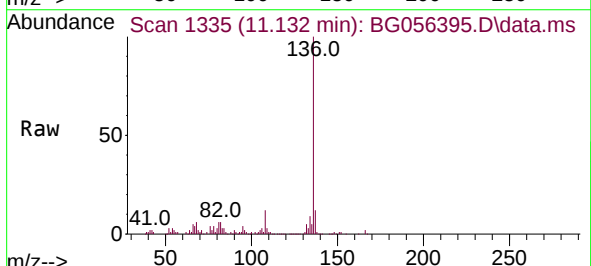
Tgt Ion: 99 Resp: 236278
Ion Ratio Lower Upper
99 100
42 7.5 5.9 8.9
71 28.3 25.4 38.2

Manual Integrations
APPROVED

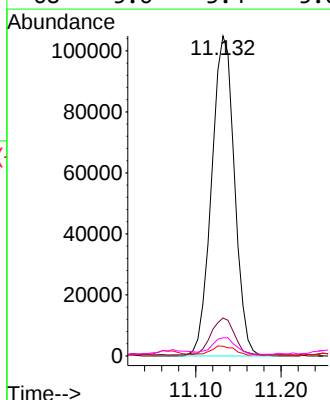
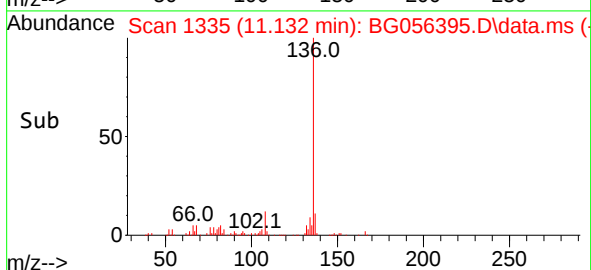
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.132 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BG056395.D
Acq: 23 Jan 2023 22:33



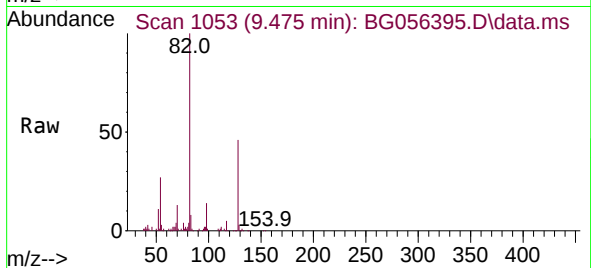
Tgt Ion:136 Resp: 195325
Ion Ratio Lower Upper
136 100
137 11.8 9.4 14.0
54 3.0 2.2 3.2
68 5.6 3.4 5.0#





#23
Nitrobenzene-d5
Concen: 33.356 ng
RT: 9.475 min Scan# 1053
Delta R.T. -0.012 min
Lab File: BG056395.D
Acq: 23 Jan 2023 22:33

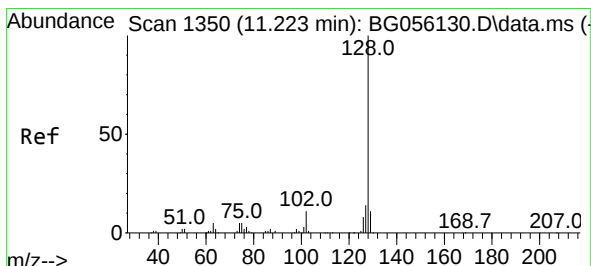
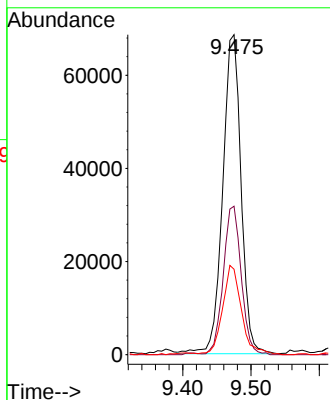
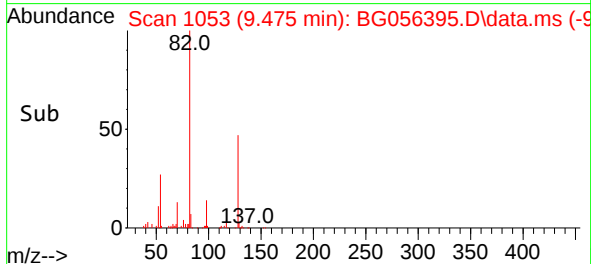
Instrument :
BNA_G
ClientSampleId :
OR-02-012023



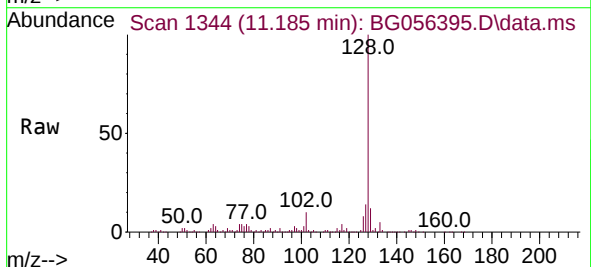
Tgt Ion: 82 Resp: 12737
Ion Ratio Lower Upper
82 100
128 46.4 33.4 50.2
54 26.7 20.3 30.5

Manual Integrations
APPROVED

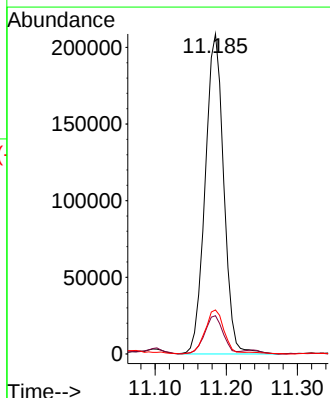
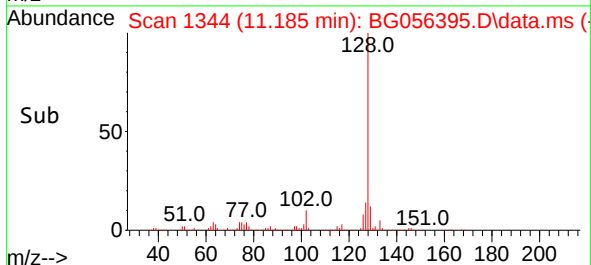
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

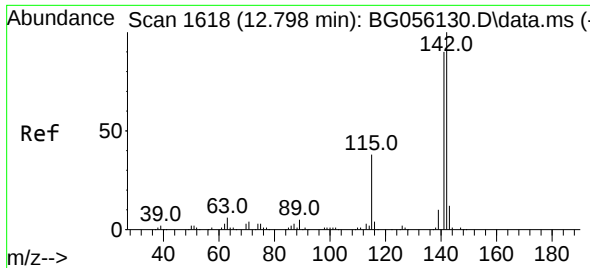


#31
Naphthalene
Concen: 36.721 ng
RT: 11.185 min Scan# 1344
Delta R.T. -0.012 min
Lab File: BG056395.D
Acq: 23 Jan 2023 22:33



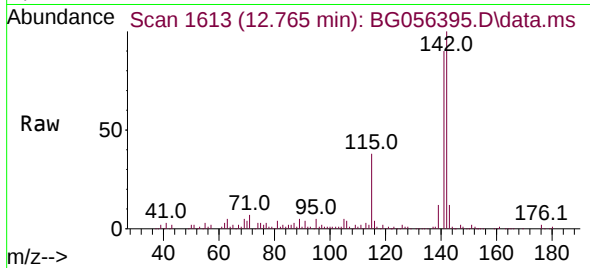
Tgt Ion:128 Resp: 377483
Ion Ratio Lower Upper
128 100
129 11.9 8.9 13.3
127 13.7 11.2 16.8





#37
2-Methylnaphthalene
Concen: 21.174 ng
RT: 12.765 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BG056395.D
Acq: 23 Jan 2023 22:33

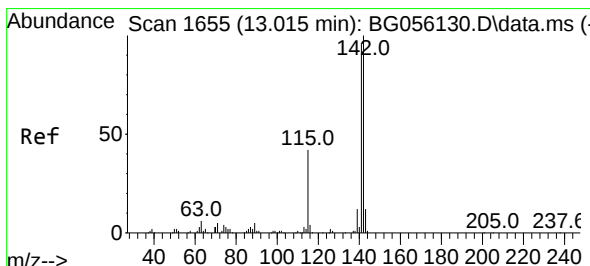
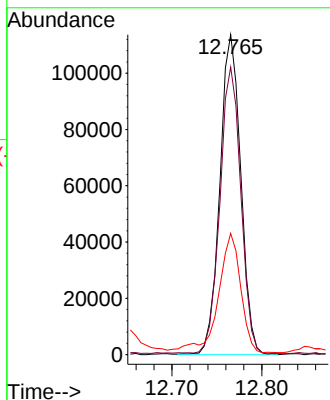
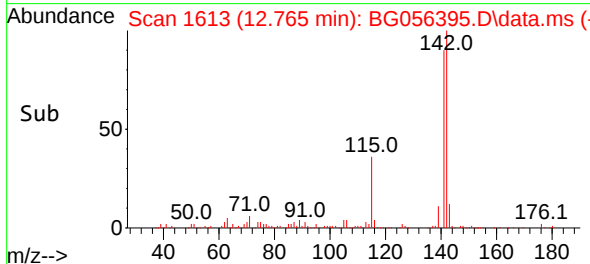
Instrument :
BNA_G
ClientSampleId :
OR-02-012023



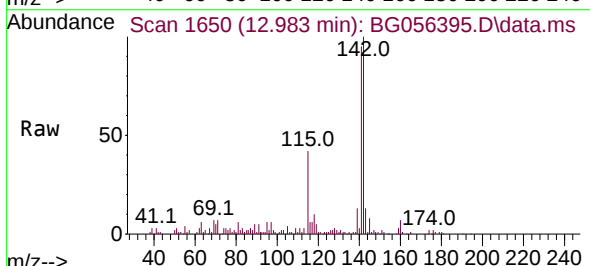
Tgt Ion:142 Resp: 183784
Ion Ratio Lower Upper
142 100
141 89.9 72.2 108.4
115 37.9 30.7 46.1

Manual Integrations
APPROVED

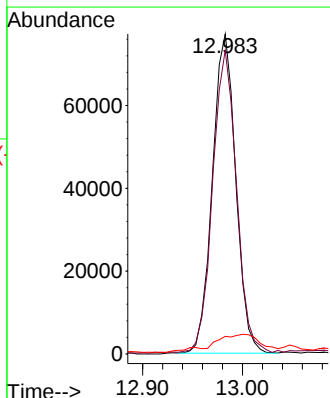
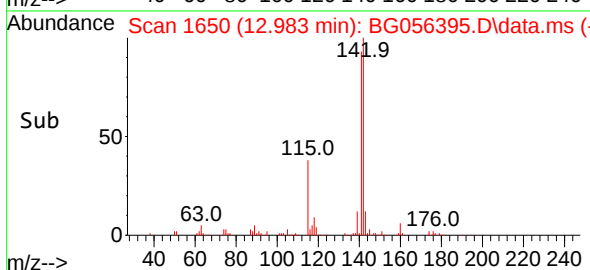
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

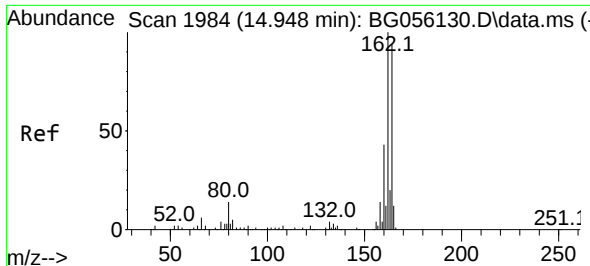


#38
1-Methylnaphthalene
Concen: 15.533 ng m
RT: 12.983 min Scan# 1650
Delta R.T. -0.006 min
Lab File: BG056395.D
Acq: 23 Jan 2023 22:33



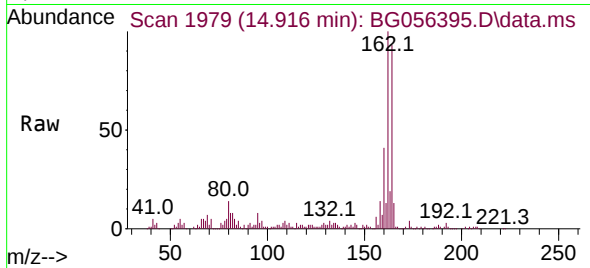
Tgt Ion:142 Resp: 125200
Ion Ratio Lower Upper
142 100
141 94.9 77.0 115.6
116 5.5 3.6 5.4#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.916 min Scan# 1984
Delta R.T. -0.006 min
Lab File: BG056395.D
Acq: 23 Jan 2023 22:33

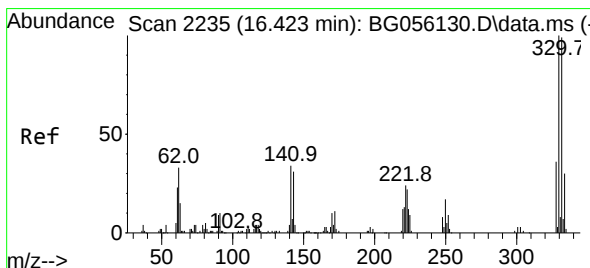
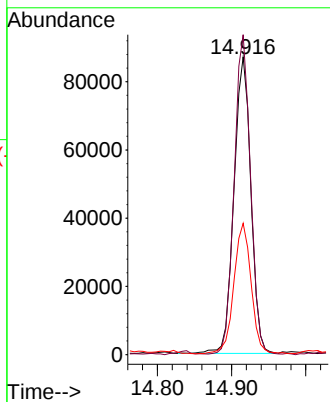
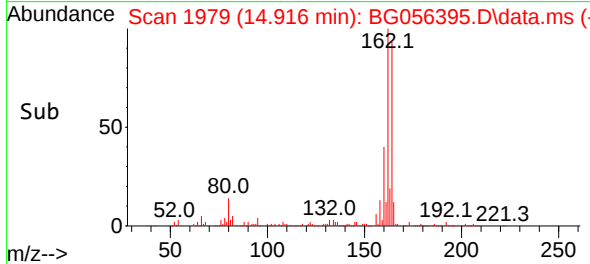
Instrument :
BNA_G
ClientSampleId :
OR-02-012023



Tgt Ion:164 Resp: 137717
Ion Ratio Lower Upper
164 100
162 107.5 84.7 127.1
160 44.1 36.3 54.5

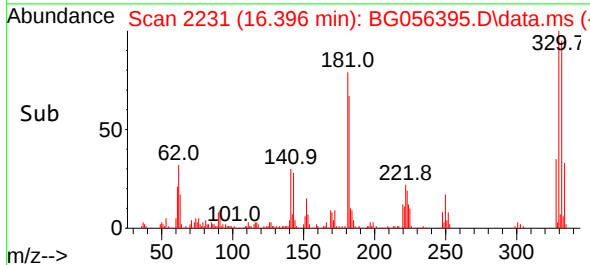
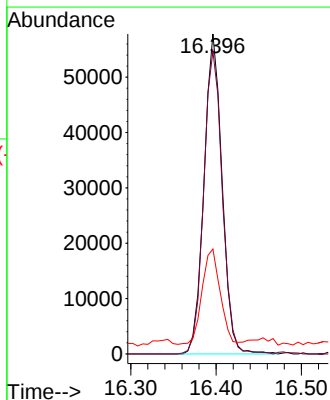
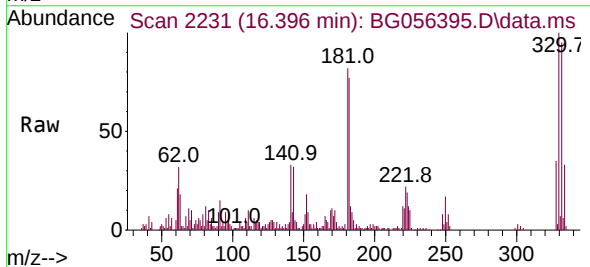
Manual Integrations
APPROVED

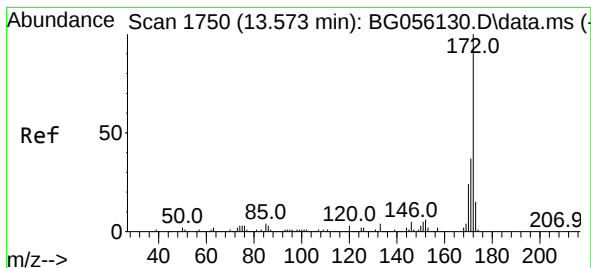
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023



#42
2,4,6-Tribromophenol
Concen: 48.739 ng
RT: 16.396 min Scan# 2231
Delta R.T. -0.006 min
Lab File: BG056395.D
Acq: 23 Jan 2023 22:33

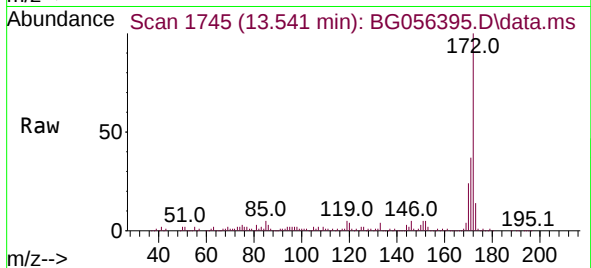
Tgt Ion:330 Resp: 85008
Ion Ratio Lower Upper
330 100
332 97.4 77.3 115.9
141 30.0 27.9 41.9





#45
2-Fluorobiphenyl
Concen: 35.293 ng
RT: 13.541 min Scan# 1745
Delta R.T. -0.006 min
Lab File: BG056395.D
Acq: 23 Jan 2023 22:33

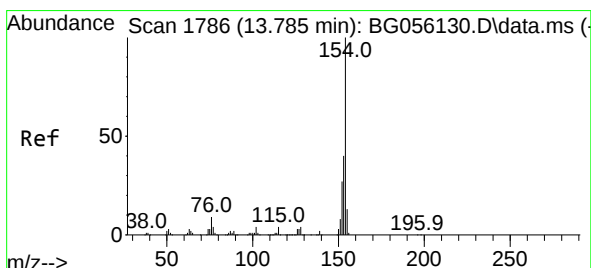
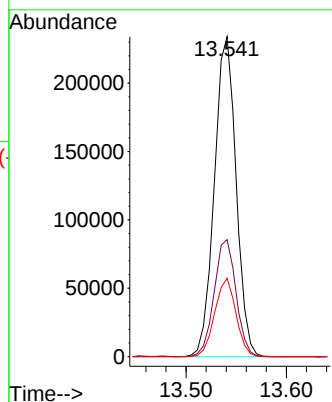
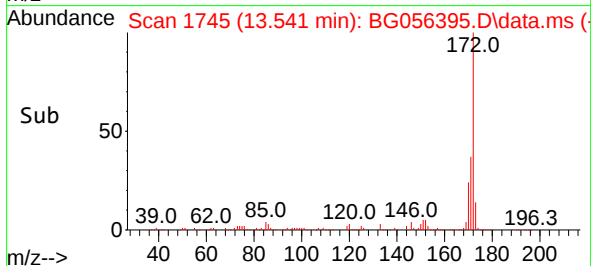
Instrument :
BNA_G
ClientSampleId :
OR-02-012023



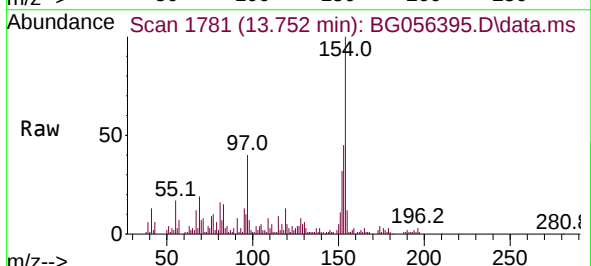
Tgt Ion:172 Resp: 351975
Ion Ratio Lower Upper
172 100
171 36.6 29.6 44.4
170 24.5 19.4 29.2

Manual Integrations
APPROVED

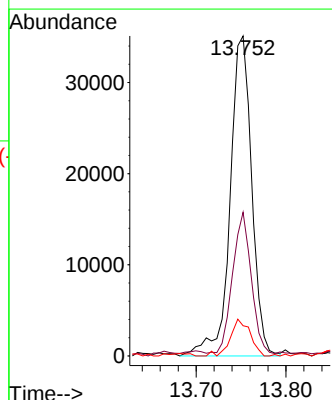
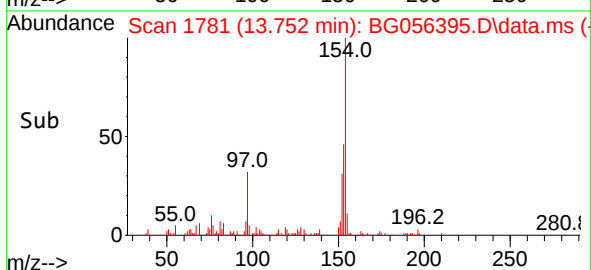
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

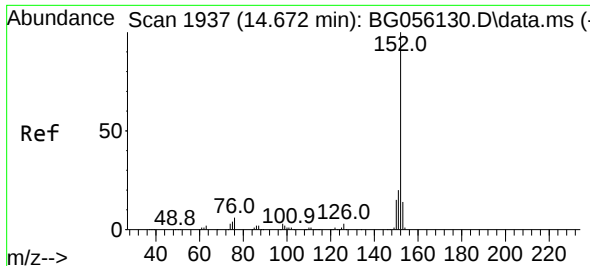


#46
1,1'-Biphenyl
Concen: 5.967 ng
RT: 13.752 min Scan# 1781
Delta R.T. -0.006 min
Lab File: BG056395.D
Acq: 23 Jan 2023 22:33



Tgt Ion:154 Resp: 58849
Ion Ratio Lower Upper
154 100
153 44.9 20.0 60.0
76 9.4 0.0 29.3





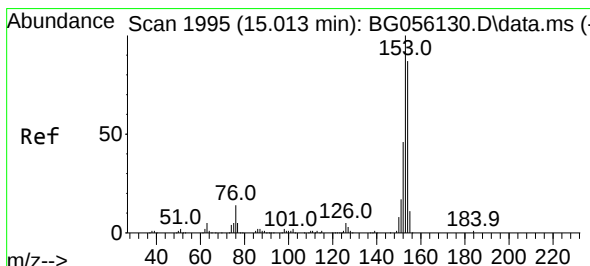
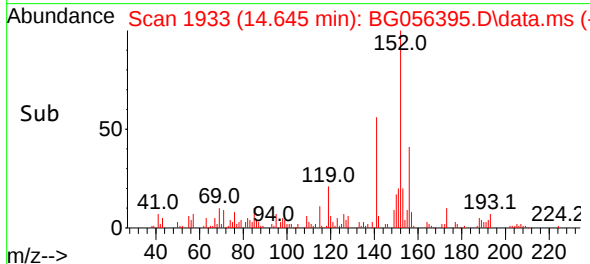
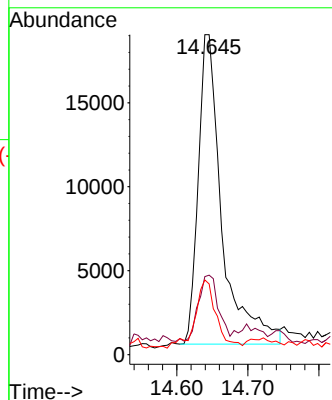
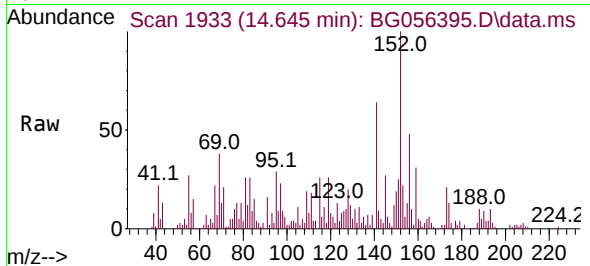
#49
Acenaphthylene
Concen: 3.372 ng
RT: 14.645 min Scan# 1933
Delta R.T. -0.006 min
Lab File: BG056395.D
Acq: 23 Jan 2023 22:33

Instrument :
BNA_G
ClientSampleId :
OR-02-012023

Tgt Ion:152 Resp: 42716
Ion Ratio Lower Upper
152 100
151 24.8 16.0 24.0
153 22.1 11.0 16.6

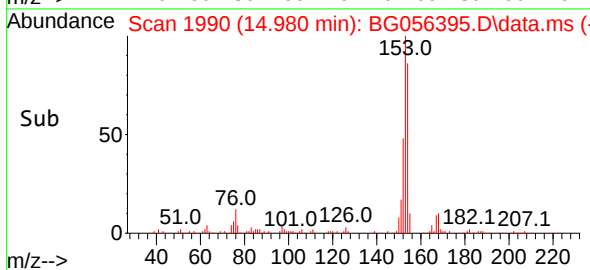
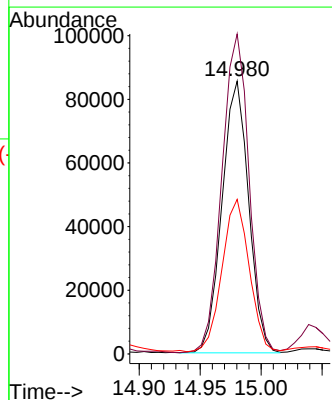
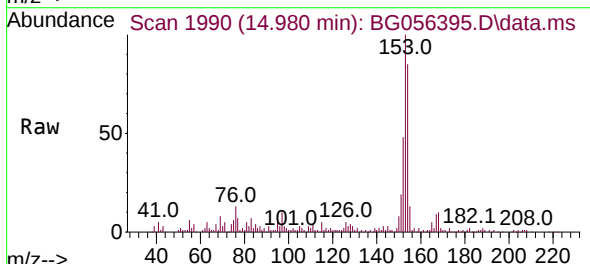
Manual Integrations
APPROVED

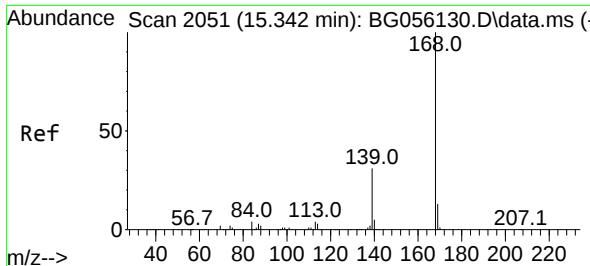
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023



#52
Acenaphthene
Concen: 15.788 ng
RT: 14.980 min Scan# 1990
Delta R.T. -0.006 min
Lab File: BG056395.D
Acq: 23 Jan 2023 22:33

Tgt Ion:154 Resp: 130082
Ion Ratio Lower Upper
154 100
153 117.3 92.0 138.0
152 56.6 42.5 63.7





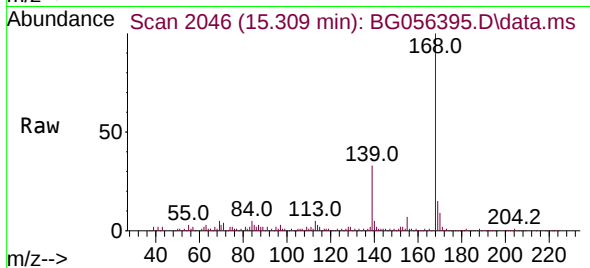
#55
Dibenzofuran
Concen: 23.944 ng
RT: 15.309 min Scan# 2046
Delta R.T. -0.006 min
Lab File: BG056395.D
Acq: 23 Jan 2023 22:33

Instrument :

BNA_G

ClientSampleId :

OR-02-012023

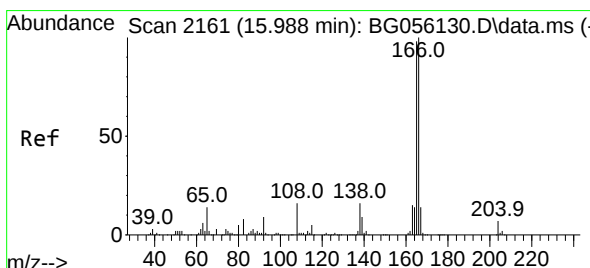
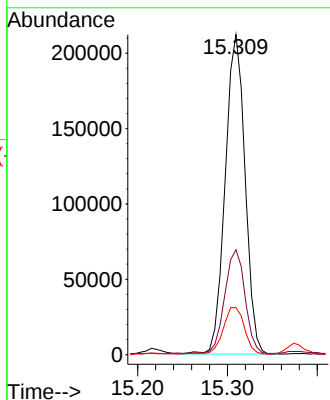
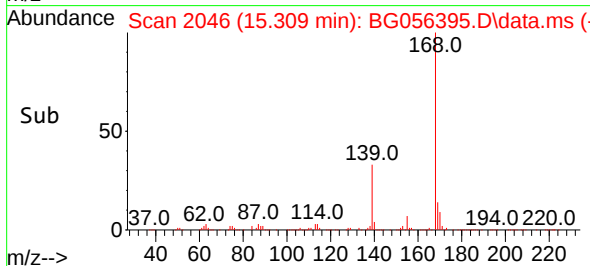


Tgt Ion:168 Resp: 326469
Ion Ratio Lower Upper
168 100
139 32.8 24.7 37.1
169 14.7 10.3 15.5

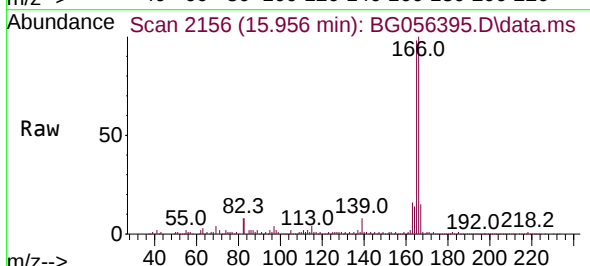
Manual Integrations

APPROVED

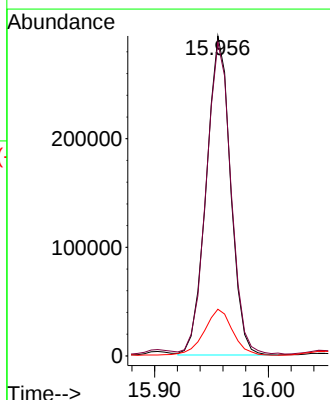
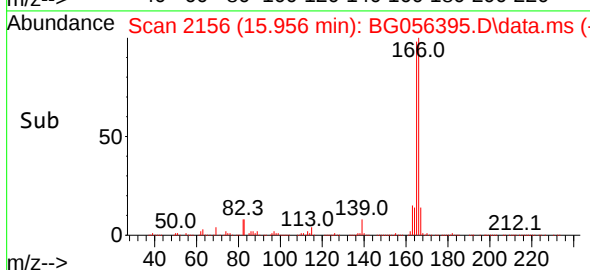
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

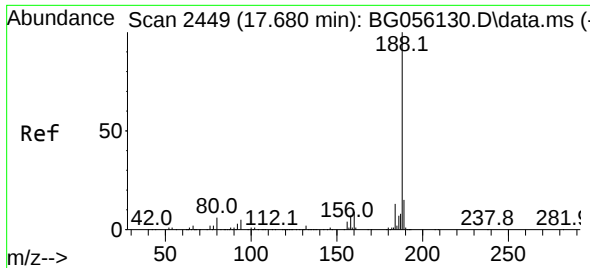


#58
Fluorene
Concen: 39.653 ng
RT: 15.956 min Scan# 2156
Delta R.T. -0.006 min
Lab File: BG056395.D
Acq: 23 Jan 2023 22:33



Tgt Ion:166 Resp: 434867
Ion Ratio Lower Upper
166 100
165 97.9 78.6 118.0
167 14.6 11.1 16.7





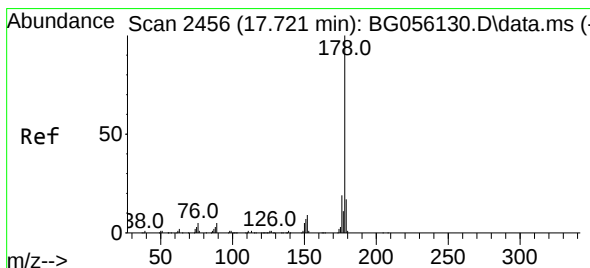
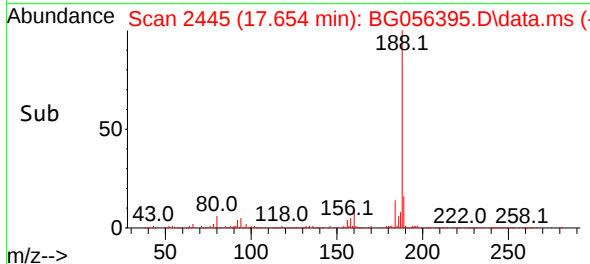
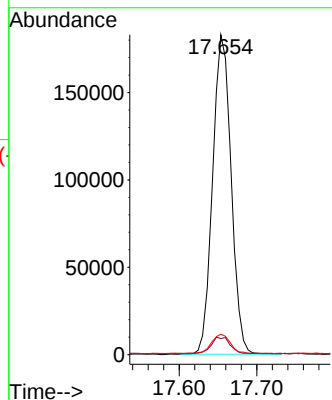
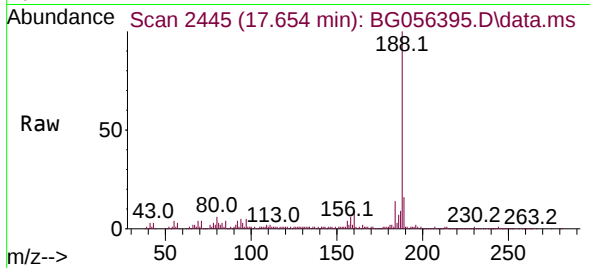
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.654 min Scan# 2445
Delta R.T. -0.006 min
Lab File: BG056395.D
Acq: 23 Jan 2023 22:33

Instrument :
BNA_G
ClientSampleId :
OR-02-012023

Tgt Ion:188 Resp: 303420
Ion Ratio Lower Upper
188 100
94 5.0 4.2 6.2
80 6.4 5.0 7.4

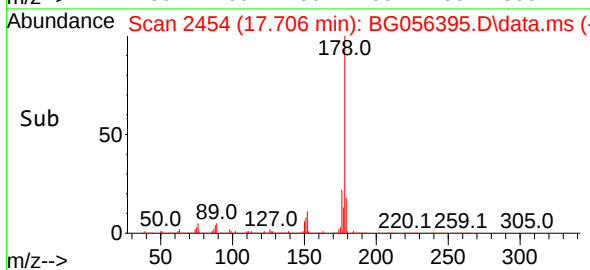
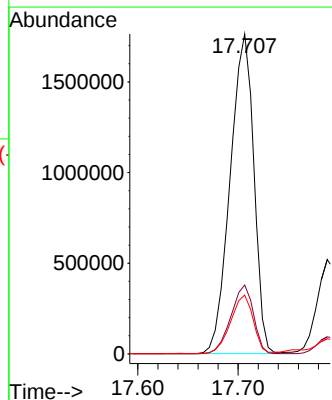
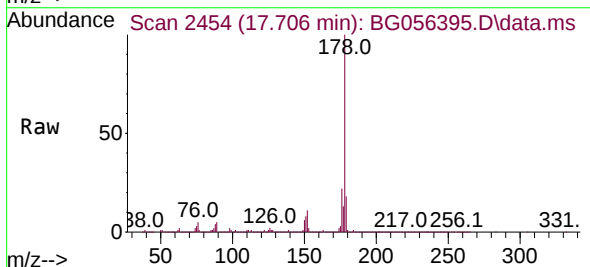
Manual Integrations
APPROVED

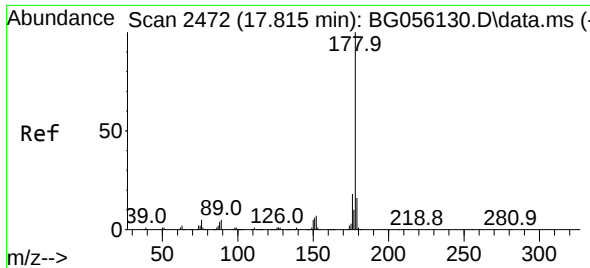
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023



#71
Phenanthrene
Concen: 183.695 ng
RT: 17.706 min Scan# 2454
Delta R.T. 0.006 min
Lab File: BG056395.D
Acq: 23 Jan 2023 22:33

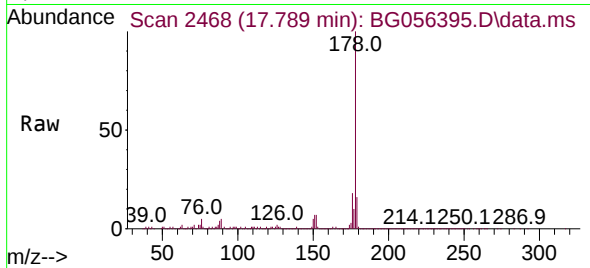
Tgt Ion:178 Resp: 2888460
Ion Ratio Lower Upper
178 100
176 21.5 15.4 23.0
179 18.4 13.6 20.4





#72
 Anthracene
 Concen: 46.760 ng
 RT: 17.789 min Scan# 2472
 Delta R.T. -0.006 min
 Lab File: BG056395.D
 Acq: 23 Jan 2023 22:33

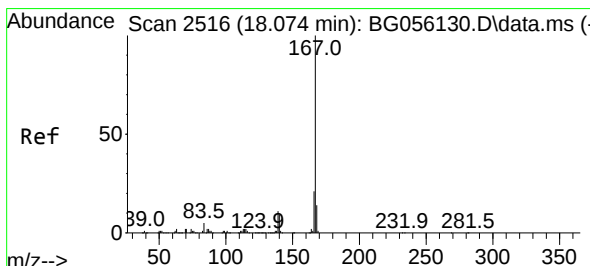
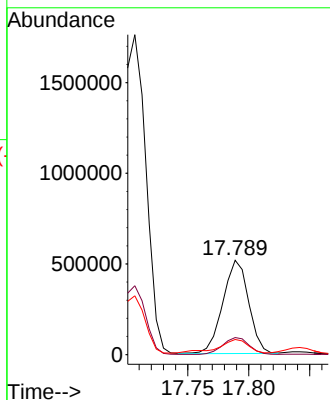
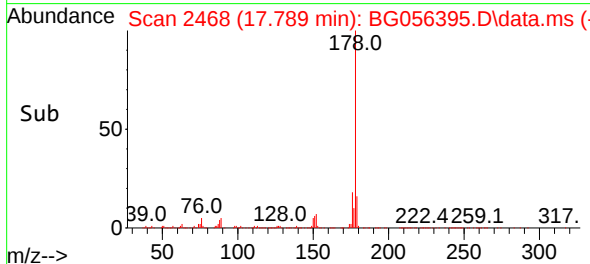
Instrument :
 BNA_G
 ClientSampleId :
 OR-02-012023



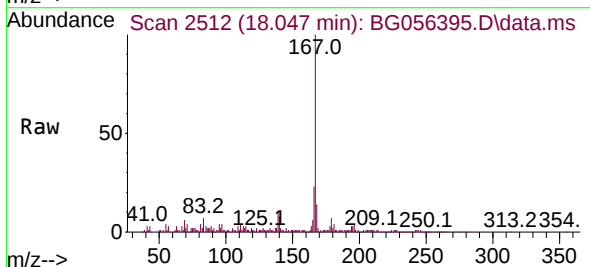
Tgt Ion:178 Resp: 758466
 Ion Ratio Lower Upper
 178 100
 176 18.0 14.6 22.0
 179 16.1 12.7 19.1

Manual Integrations
 APPROVED

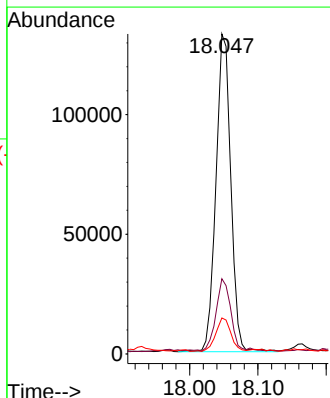
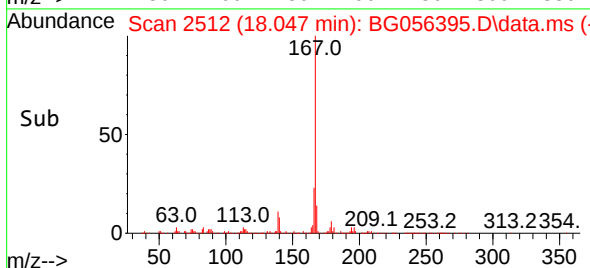
Reviewed By :Christian Giraldo 01/24/2023
 Supervised By :Jagrut Upadhyay 01/24/2023

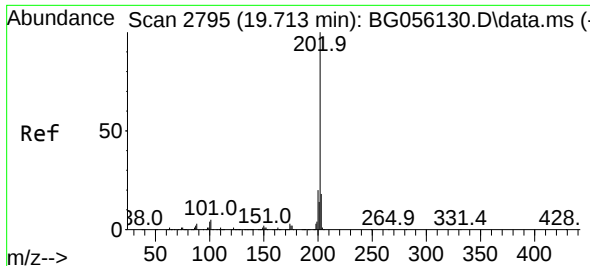


#73
 Carbazole
 Concen: 14.619 ng
 RT: 18.047 min Scan# 2512
 Delta R.T. -0.006 min
 Lab File: BG056395.D
 Acq: 23 Jan 2023 22:33



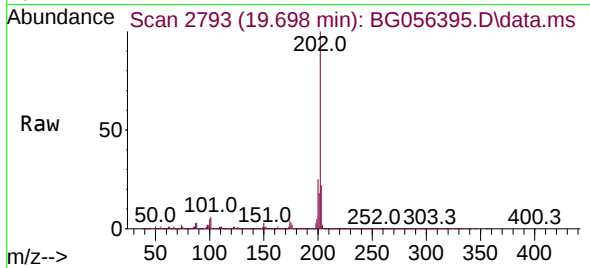
Tgt Ion:167 Resp: 199325
 Ion Ratio Lower Upper
 167 100
 166 23.5 16.8 25.2
 139 11.2 8.9 13.3





#75
Fluoranthene
Concen: 178.088 ng
RT: 19.698 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG056395.D
Acq: 23 Jan 2023 22:33

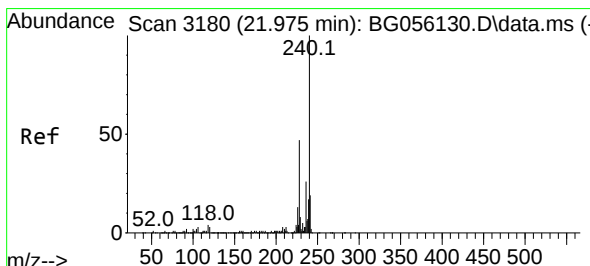
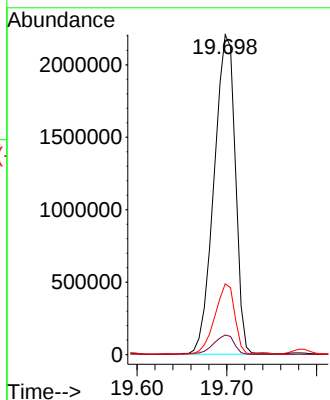
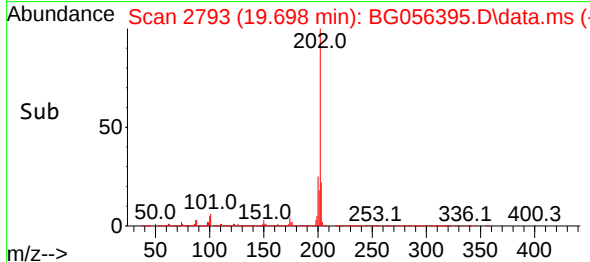
Instrument :
BNA_G
ClientSampleId :
OR-02-012023



Tgt Ion:202 Resp: 3652732
Ion Ratio Lower Upper
202 100
101 6.1 0.0 25.0
203 22.1 0.0 38.0

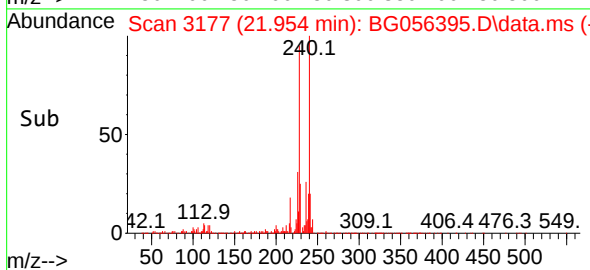
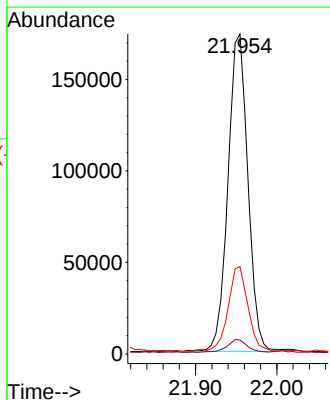
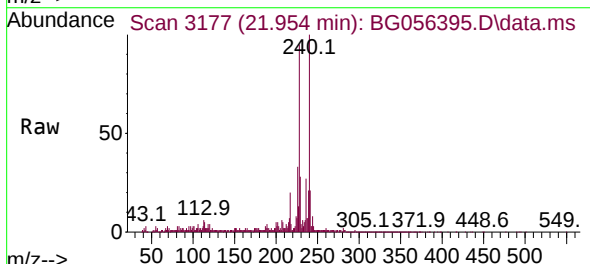
Manual Integrations
APPROVED

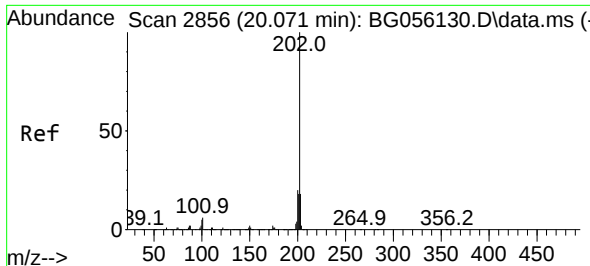
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.954 min Scan# 3177
Delta R.T. -0.000 min
Lab File: BG056395.D
Acq: 23 Jan 2023 22:33

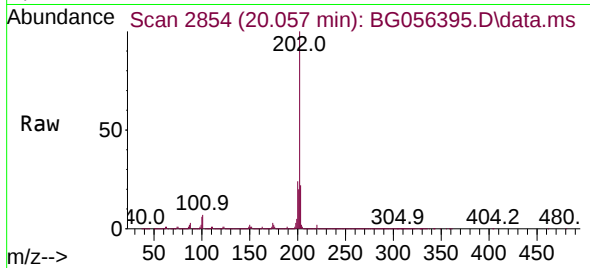
Tgt Ion:240 Resp: 296461
Ion Ratio Lower Upper
240 100
120 4.3 2.6 4.0#
236 27.3 20.8 31.2





#78
Pyrene
Concen: 148.637 ng
RT: 20.057 min Scan# 2854
Delta R.T. 0.006 min
Lab File: BG056395.D
Acq: 23 Jan 2023 22:33

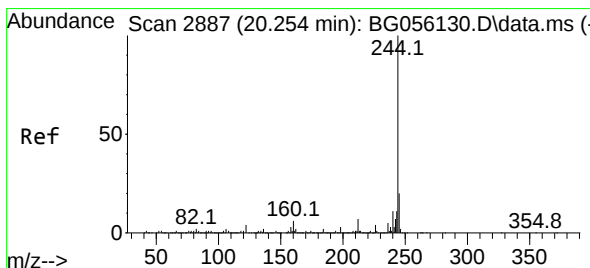
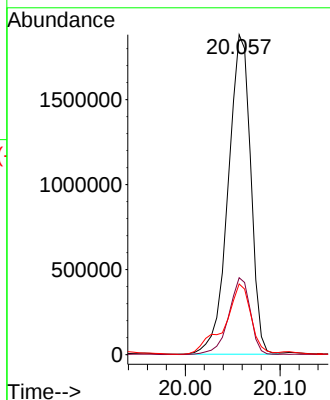
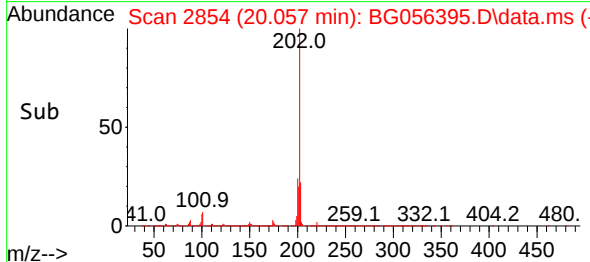
Instrument :
BNA_G
ClientSampleId :
OR-02-012023



Tgt Ion:202 Resp: 3105895
Ion Ratio Lower Upper
202 100
200 24.1 16.4 24.6
203 22.1 14.3 21.5

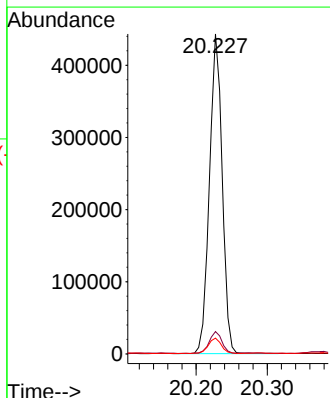
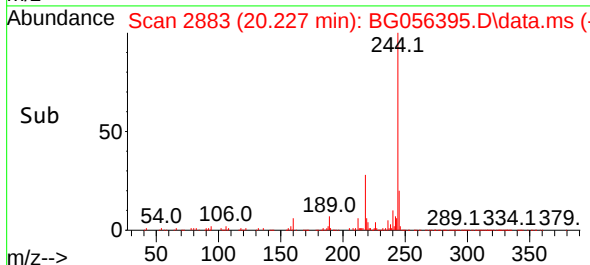
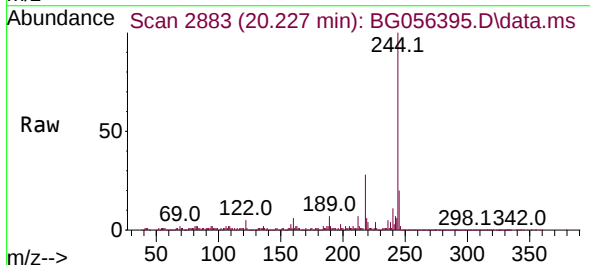
Manual Integrations
APPROVED

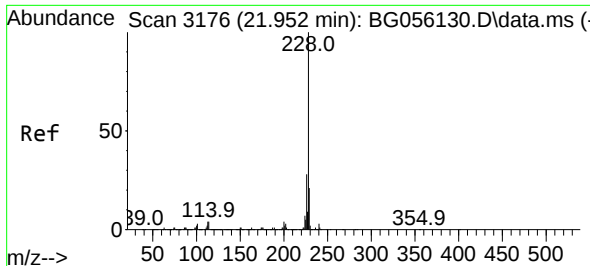
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023



#79
Terphenyl-d14
Concen: 33.236 ng
RT: 20.227 min Scan# 2883
Delta R.T. -0.006 min
Lab File: BG056395.D
Acq: 23 Jan 2023 22:33

Tgt Ion:244 Resp: 550126
Ion Ratio Lower Upper
244 100
212 7.0 5.7 8.5
122 4.9 3.5 5.3





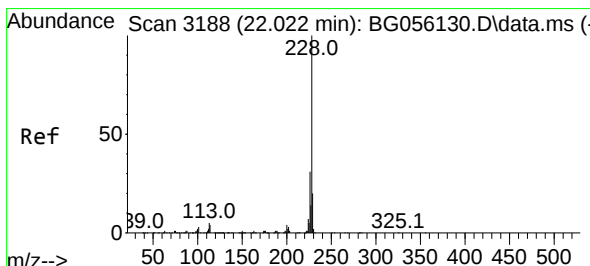
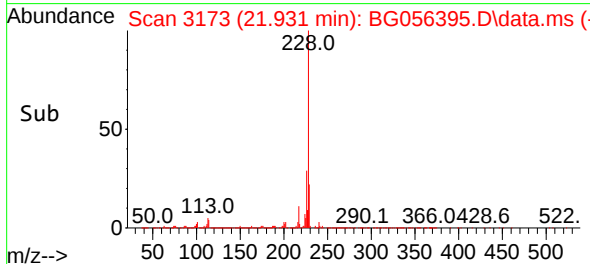
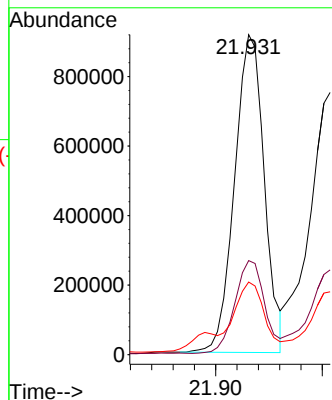
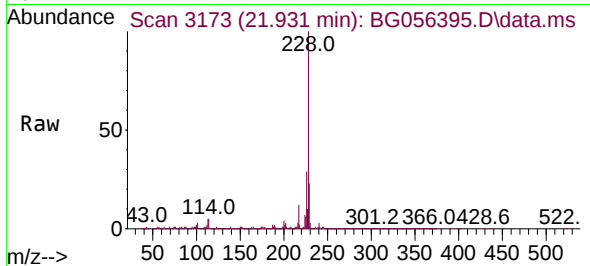
#81
Benzo(a)anthracene
Concen: 84.864 ng
RT: 21.931 min Scan# 3173
Delta R.T. -0.000 min
Lab File: BG056395.D
Acq: 23 Jan 2023 22:33

Instrument :
BNA_G
ClientSampleId :
OR-02-012023

Tgt Ion:228 Resp: 1767094
Ion Ratio Lower Upper
228 100
226 29.4 22.6 34.0
229 22.7 16.9 25.3

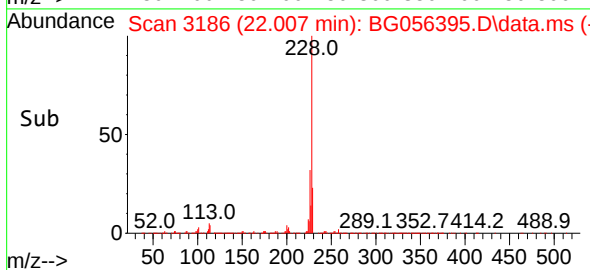
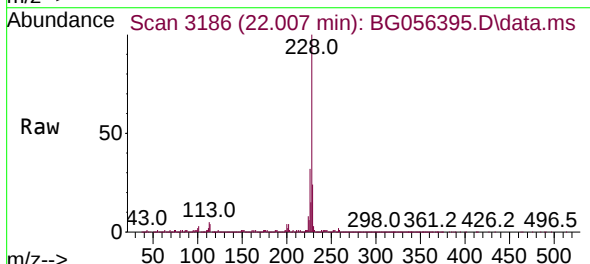
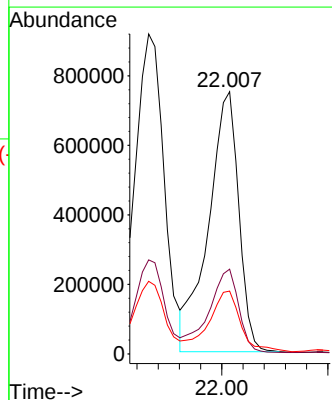
Manual Integrations
APPROVED

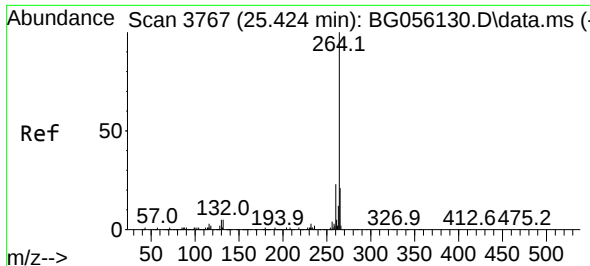
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023



#83
Chrysene
Concen: 76.322 ng m
RT: 22.007 min Scan# 3186
Delta R.T. 0.006 min
Lab File: BG056395.D
Acq: 23 Jan 2023 22:33

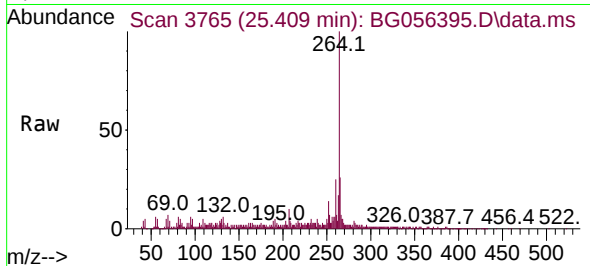
Tgt Ion:228 Resp: 1488628
Ion Ratio Lower Upper
228 100
226 32.3 24.6 36.8
229 24.0 15.8 23.6#





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.409 min Scan# 31
Delta R.T. 0.017 min
Lab File: BG056395.D
Acq: 23 Jan 2023 22:33

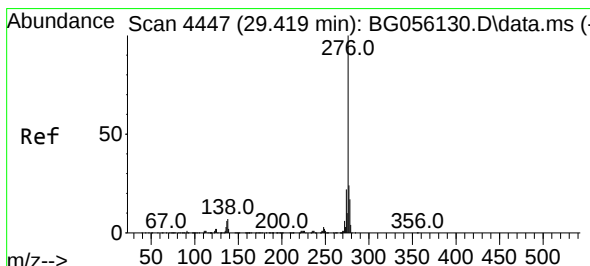
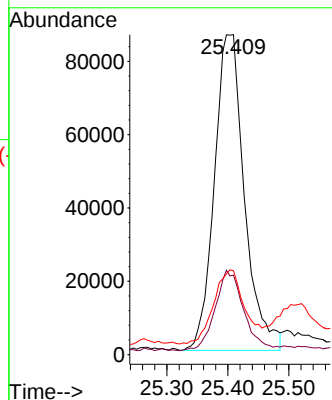
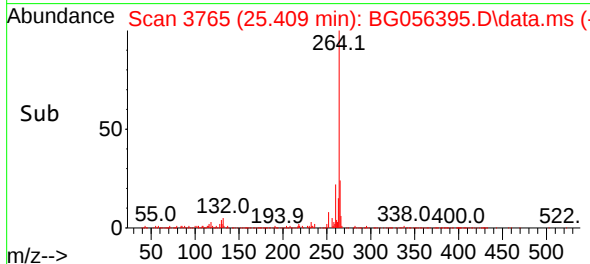
Instrument :
BNA_G
ClientSampleId :
OR-02-012023



Tgt Ion:264 Resp: 296454
Ion Ratio Lower Upper
264 100
260 24.8 18.6 28.0
265 26.2 16.7 25.1

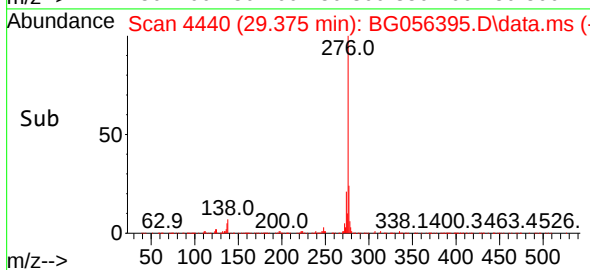
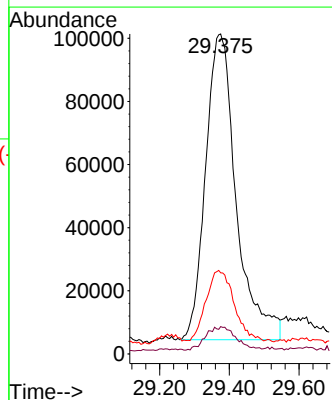
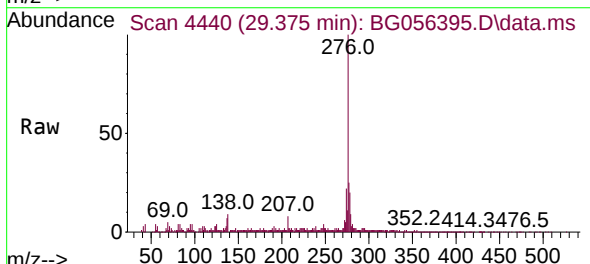
Manual Integrations
APPROVED

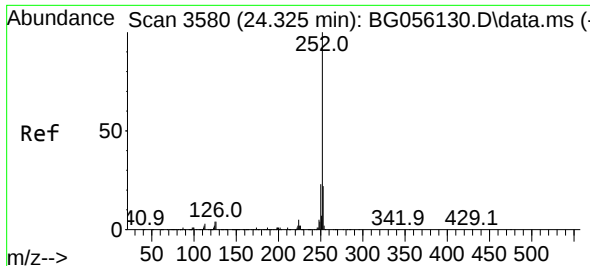
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 27.450 ng
RT: 29.375 min Scan# 4440
Delta R.T. 0.017 min
Lab File: BG056395.D
Acq: 23 Jan 2023 22:33

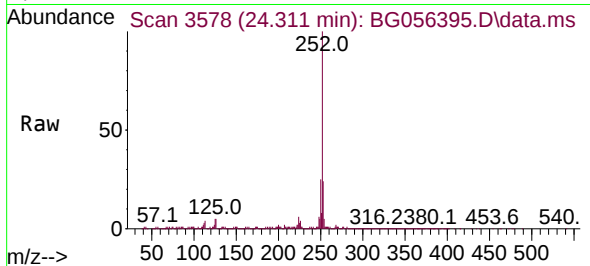
Tgt Ion:276 Resp: 591833
Ion Ratio Lower Upper
276 100
138 7.5 5.0 7.4#
277 21.6 20.5 30.7





#88
Benzo(b)fluoranthene
Concen: 92.035 ng
RT: 24.311 min Scan# 3578
Delta R.T. 0.017 min
Lab File: BG056395.D
Acq: 23 Jan 2023 22:33

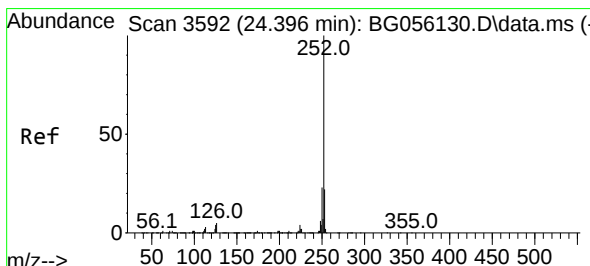
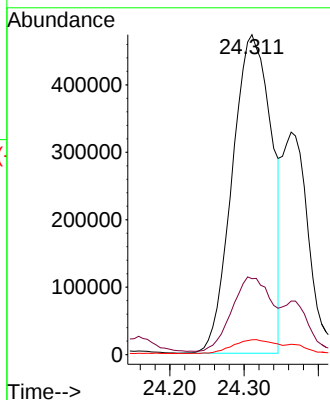
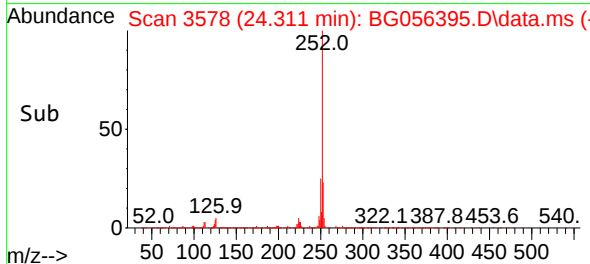
Instrument :
BNA_G
ClientSampleId :
OR-02-012023



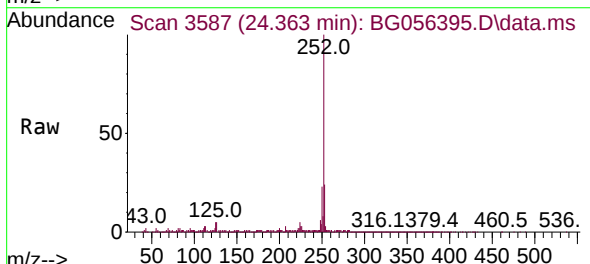
Tgt Ion:252 Resp: 1733534
Ion Ratio Lower Upper
252 100
253 23.7 17.4 26.2
125 4.6 3.0 4.4

Manual Integrations
APPROVED

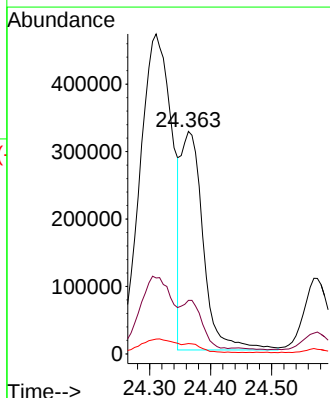
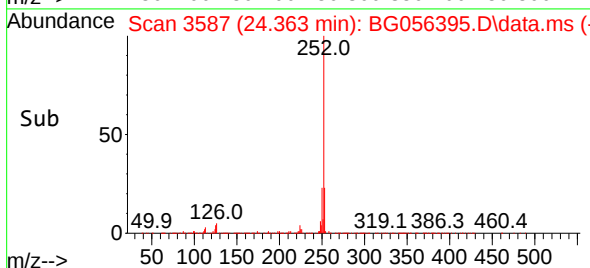
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

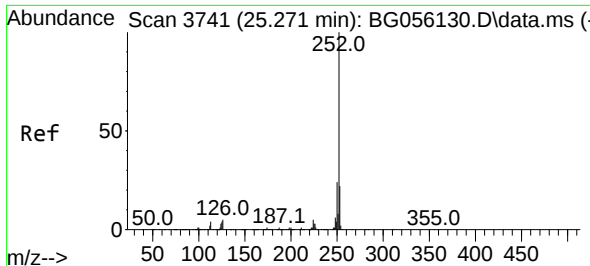


#89
Benzo(k)fluoranthene
Concen: 43.910 ng m
RT: 24.363 min Scan# 3587
Delta R.T. -0.006 min
Lab File: BG056395.D
Acq: 23 Jan 2023 22:33



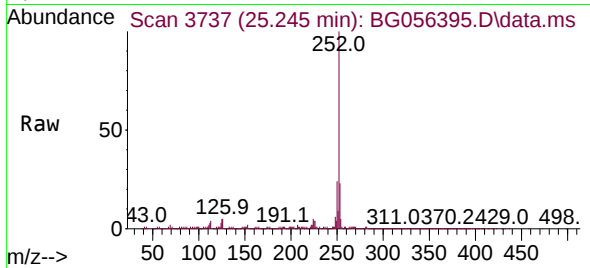
Tgt Ion:252 Resp: 823603
Ion Ratio Lower Upper
252 100
253 24.1 17.5 26.3
125 4.6 3.4 5.0





#90
Benzo(a)pyrene
Concen: 78.115 ng
RT: 25.245 min Scan# 31
Delta R.T. 0.017 min
Lab File: BG056395.D
Acq: 23 Jan 2023 22:33

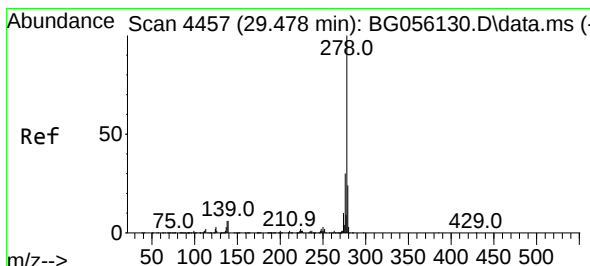
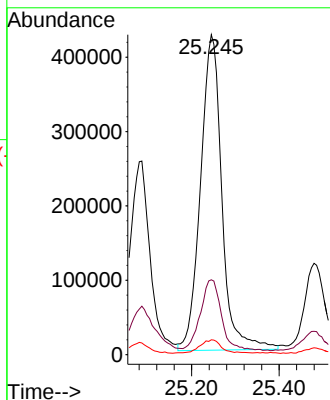
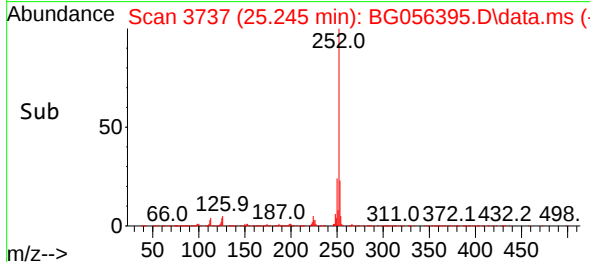
Instrument :
BNA_G
ClientSampleId :
OR-02-012023



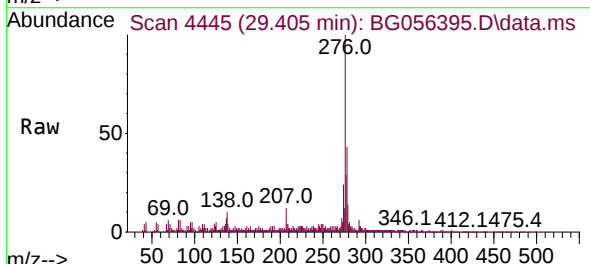
Tgt Ion:252 Resp: 143508
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.2
125 4.6 3.2 4.8

Manual Integrations
APPROVED

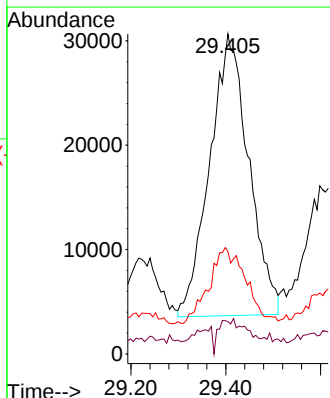
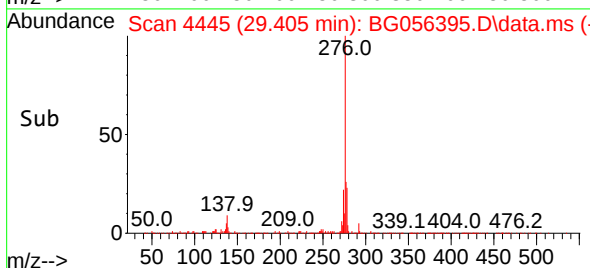
Reviewed By :Christian Giraldo 01/24/2023
Supervised By :Jagrut Upadhyay 01/24/2023

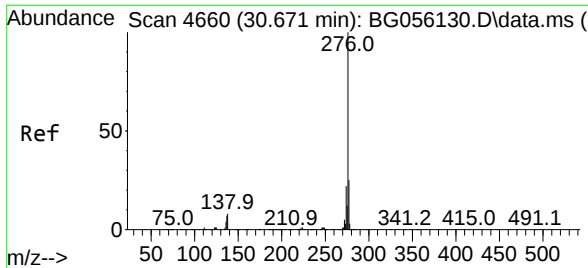


#91
Dibenzo(a,h)anthracene
Concen: 8.544 ng
RT: 29.405 min Scan# 4445
Delta R.T. -0.006 min
Lab File: BG056395.D
Acq: 23 Jan 2023 22:33



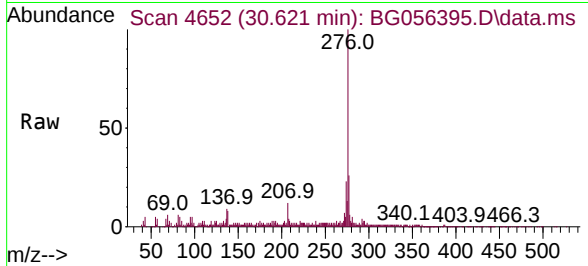
Tgt Ion:278 Resp: 154441
Ion Ratio Lower Upper
278 100
139 10.1 4.8 7.2#
279 32.0 19.0 28.4#





#92
 Benzo(g,h,i)perylene
 Concen: 25.886 ng
 RT: 30.621 min Scan# 4652
 Delta R.T. 0.023 min
 Lab File: BG056395.D
 Acq: 23 Jan 2023 22:33

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-012023



Tgt Ion:276 Resp: 453763
 Ion Ratio Lower Upper
 276 100
 277 25.8 19.7 29.5
 138 8.1 6.7 10.1

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 01/24/2023
 Supervised By :Jagrut Upadhyay 01/24/2023

