

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020823\
 Data File : BG056590.D
 Acq On : 8 Feb 2023 20:41
 Operator : CG/JU
 Sample : 01465-01DL 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-1DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/09/2023
 Supervised By : Jagrut Upadhyay 02/09/2023

Quant Time: Feb 09 02:09:06 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 08 03:02:11 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.270	152	45285	20.000	ng	0.00
21) Naphthalene-d8	11.102	136	166043	20.000	ng	0.00
39) Acenaphthene-d10	14.892	164	114532	20.000	ng	0.00
64) Phenanthrene-d10	17.630	188	254371	20.000	ng	0.00
76) Chrysene-d12	21.925	240	244446	20.000	ng	# 0.00
86) Perylene-d12	25.350	264	269555	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.797	112	145494	59.103	ng	0.00
7) Phenol-d6	7.418	99	192726	52.839	ng	0.00
23) Nitrobenzene-d5	9.445	82	105608	36.117	ng	0.00
42) 2,4,6-Tribromophenol	16.372	330	68269	44.836	ng	0.00
45) 2-Fluorobiphenyl	13.511	172	314451	38.065	ng	0.00
79) Terphenyl-d14	20.203	244	514874	36.994	ng	0.00
Target Compounds						Qvalue
15) Benzyl Alcohol	8.505	79	37789	15.100	ng	100
71) Phenanthrene	17.671	178	306930	23.054	ng	98
72) Anthracene	17.765	178	100166	7.329	ng	99
75) Fluoranthene	19.674	202	807527	48.059	ng	100
78) Pyrene	20.033	202	678959	39.053	ng	98
81) Benzo(a)anthracene	21.901	228	371419	21.734	ng	100
83) Chrysene	21.972	228	317813m	19.795	ng	
84) Bis(2-ethylhexyl)phtha...	21.754	149	304645	40.019	ng	100
85) Di-n-octyl phthalate	23.023	149	197663m	15.592	ng	
87) Indeno(1,2,3-cd)pyrene	29.293	276	91207	4.622	ng	# 96
88) Benzo(b)fluoranthene	24.257	252	318628	19.044	ng	100
89) Benzo(k)fluoranthene	24.322	252	109428m	6.478	ng	
90) Benzo(a)pyrene	25.186	252	213451	12.951	ng	100
92) Benzo(g,h,i)perylene	30.538	276	76865	4.810	ng	# 93

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

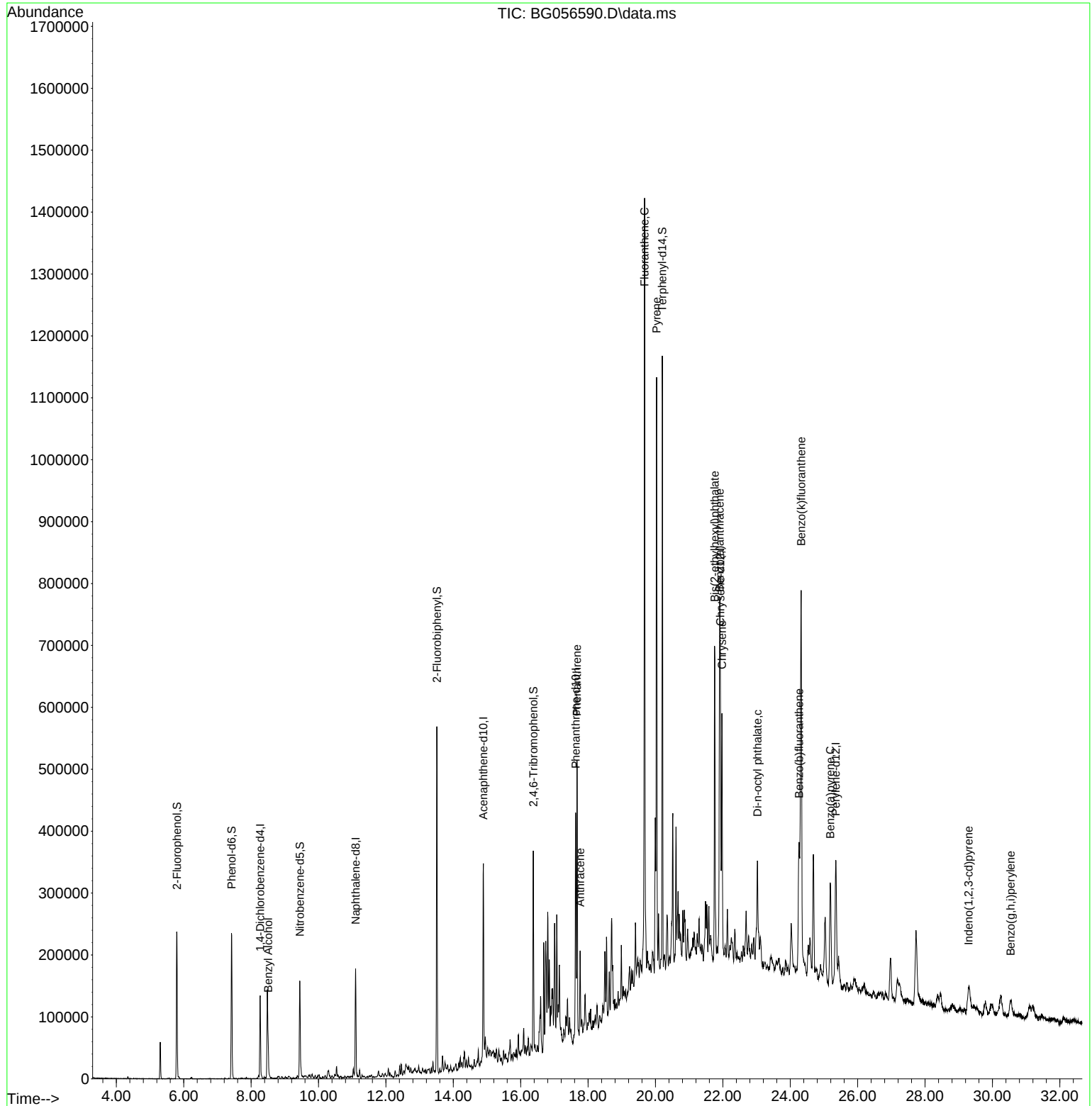
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020823\
Data File : BG056590.D
Acq On : 8 Feb 2023 20:41
Operator : CG/JU
Sample : 01465-01DL 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

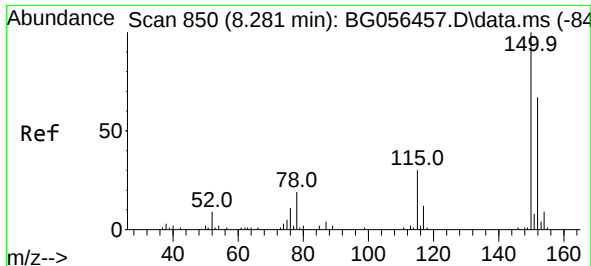
Instrument :
BNA_G
ClientSampleId :
COMP-1DL

Quant Time: Feb 09 02:09:06 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 08 03:02:11 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

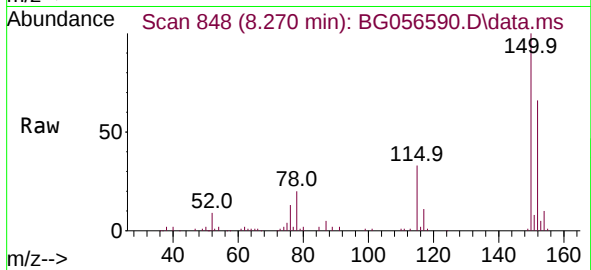
Reviewed By :Christian Giraldo 02/09/2023
Supervised By :Jagrut Upadhyay 02/09/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.270 min Scan# 84
Delta R.T. 0.001 min
Lab File: BG056590.D
Acq: 8 Feb 2023 20:41

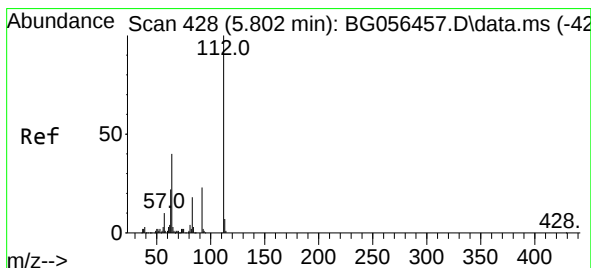
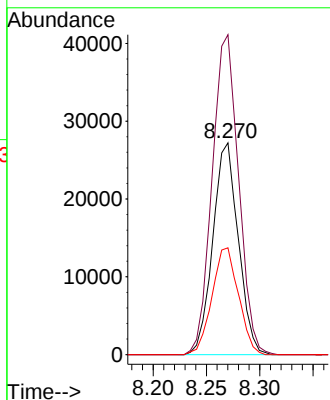
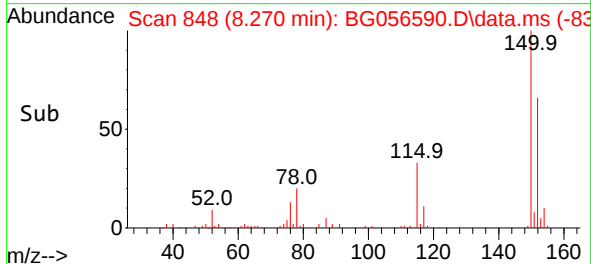
Instrument :
BNA_G
ClientSampleId :
COMP-1DL



Tgt Ion:152 Resp: 45285
Ion Ratio Lower Upper
152 100
150 151.1 120.2 180.4
115 50.4 36.3 54.5

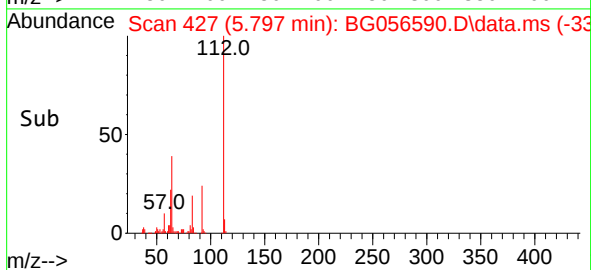
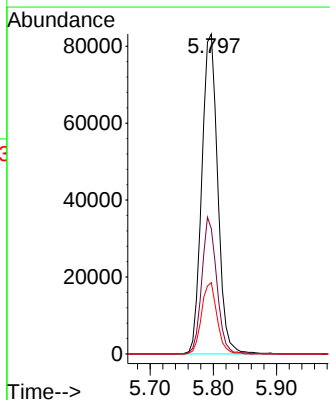
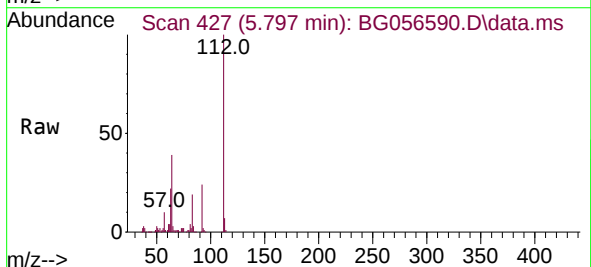
Manual Integrations
APPROVED

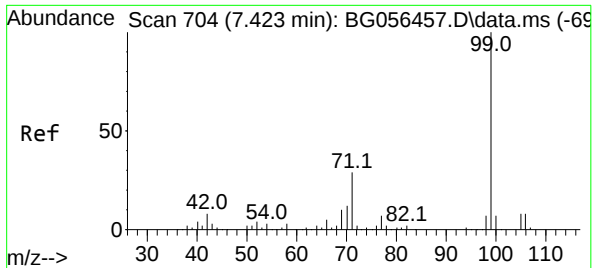
Reviewed By :Christian Giraldo 02/09/2023
Supervised By :Jagrut Upadhyay 02/09/2023



#5
2-Fluorophenol
Concen: 59.103 ng
RT: 5.797 min Scan# 427
Delta R.T. 0.007 min
Lab File: BG056590.D
Acq: 8 Feb 2023 20:41

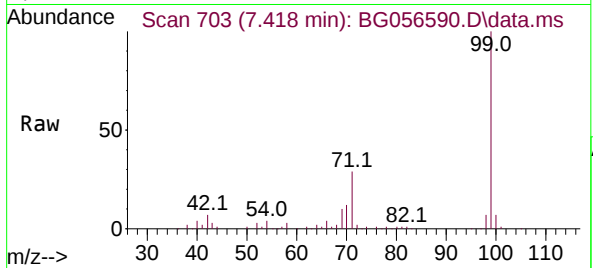
Tgt Ion:112 Resp: 145494
Ion Ratio Lower Upper
112 100
64 39.1 31.9 47.9
63 22.3 17.4 26.0





#7
Phenol-d6
Concen: 52.839 ng
RT: 7.418 min Scan# 704
Delta R.T. 0.001 min
Lab File: BG056590.D
Acq: 8 Feb 2023 20:41

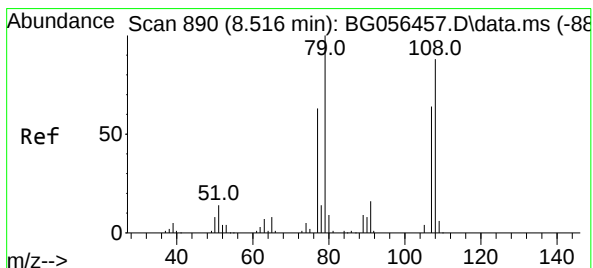
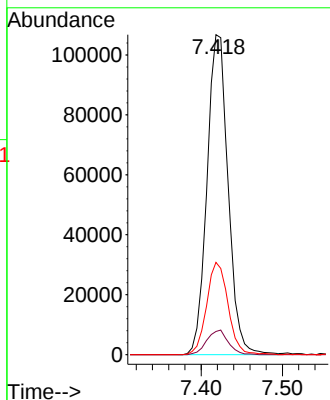
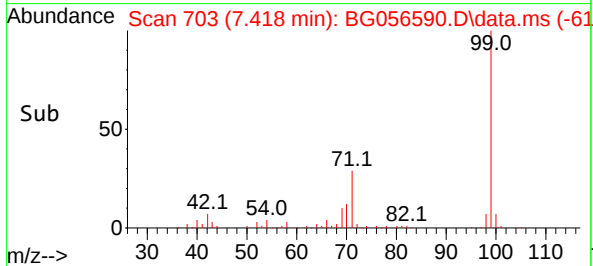
Instrument :
BNA_G
ClientSampleId :
COMP-1DL



Tgt Ion: 99 Resp: 192726
Ion Ratio Lower Upper
99 100
42 7.2 6.6 10.0
71 28.8 23.4 35.0

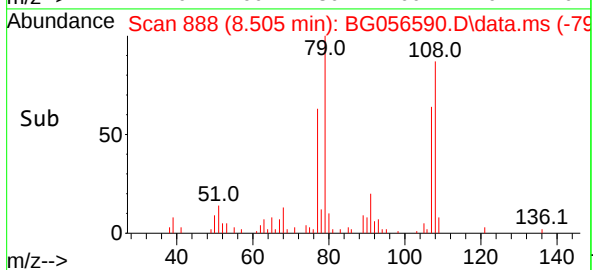
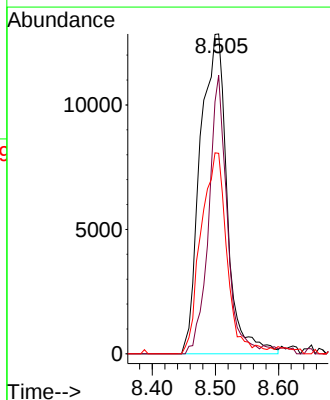
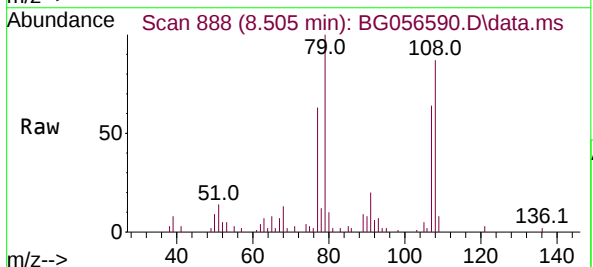
Manual Integrations
APPROVED

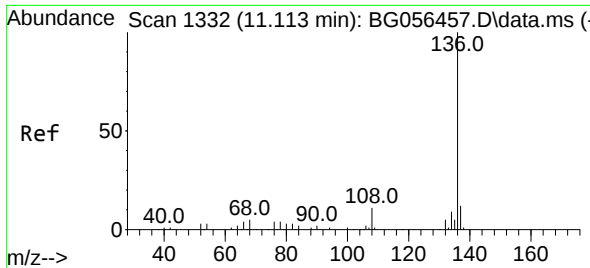
Reviewed By :Christian Giraldo 02/09/2023
Supervised By :Jagrut Upadhyay 02/09/2023



#15
Benzyl Alcohol
Concen: 15.100 ng
RT: 8.505 min Scan# 888
Delta R.T. 0.001 min
Lab File: BG056590.D
Acq: 8 Feb 2023 20:41

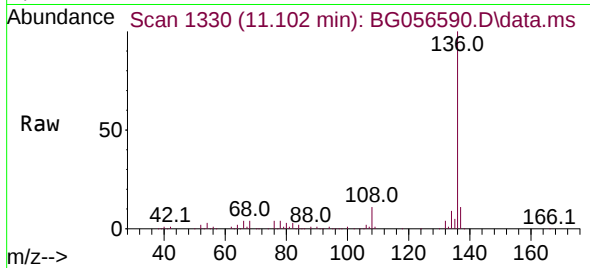
Tgt Ion: 79 Resp: 37789
Ion Ratio Lower Upper
79 100
108 87.1 70.1 105.1
77 62.7 50.3 75.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.102 min Scan# 1330
Delta R.T. 0.001 min
Lab File: BG056590.D
Acq: 8 Feb 2023 20:41

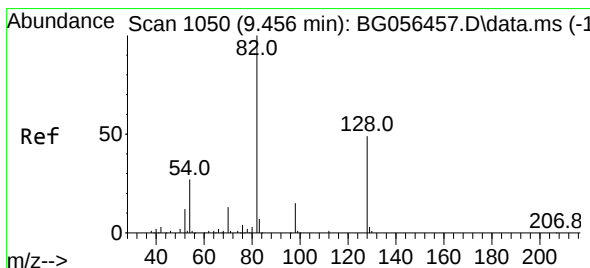
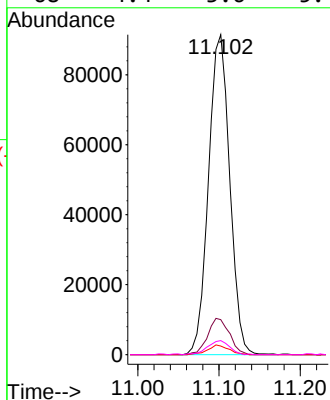
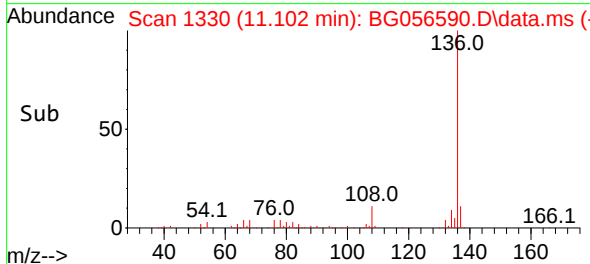
Instrument :
BNA_G
ClientSampleId :
COMP-1DL



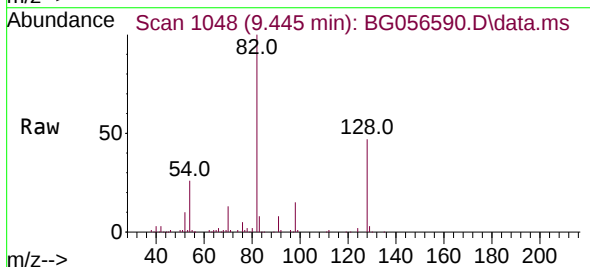
Tgt Ion:	136	Resp:	166043
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.4	14.0
54	2.7	2.2	3.4
68	4.4	3.6	5.4

Manual Integrations
APPROVED

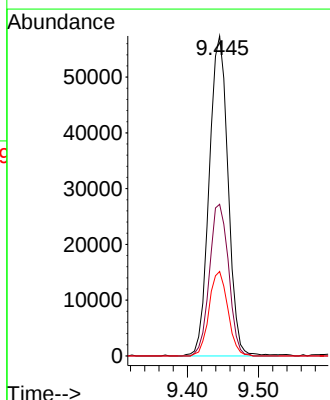
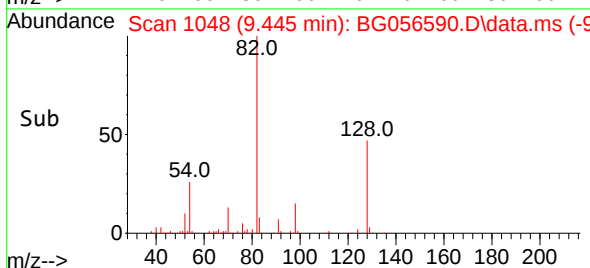
Reviewed By :Christian Giraldo 02/09/2023
Supervised By :Jagrut Upadhyay 02/09/2023

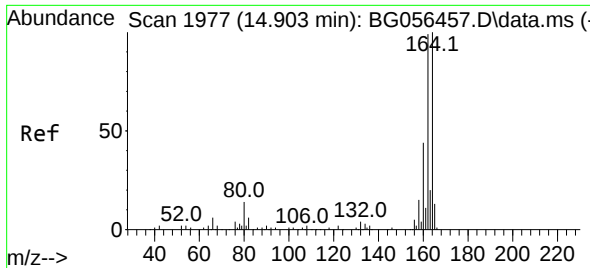


#23
Nitrobenzene-d5
Concen: 36.117 ng
RT: 9.445 min Scan# 1048
Delta R.T. 0.001 min
Lab File: BG056590.D
Acq: 8 Feb 2023 20:41



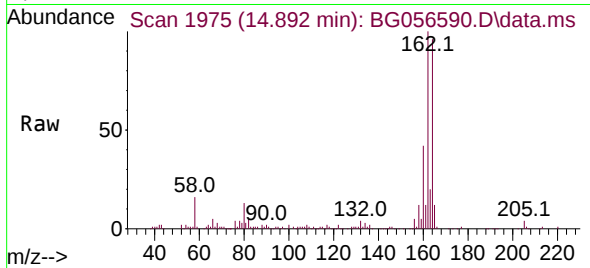
Tgt Ion:	82	Resp:	105608
Ion Ratio	Lower	Upper	
82	100		
128	47.4	39.4	59.2
54	26.4	21.4	32.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.892 min Scan# 1977
Delta R.T. 0.001 min
Lab File: BG056590.D
Acq: 8 Feb 2023 20:41

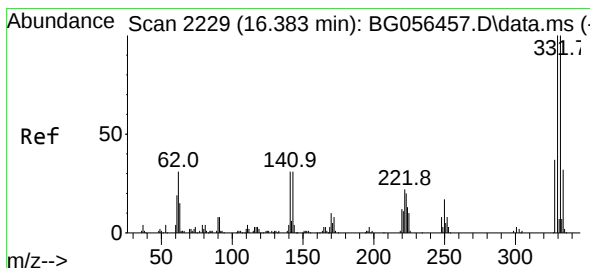
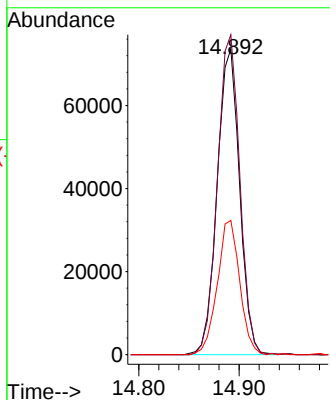
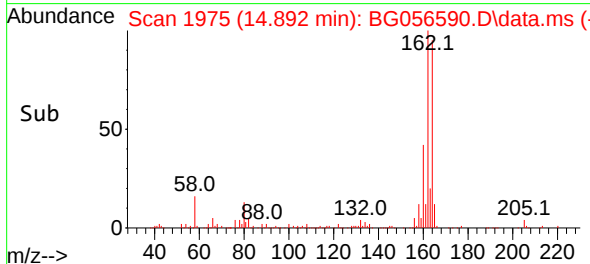
Instrument :
BNA_G
ClientSampleId :
COMP-1DL



Tgt Ion:164 Resp: 114532
Ion Ratio Lower Upper
164 100
162 104.7 79.6 119.4
160 43.9 34.9 52.3

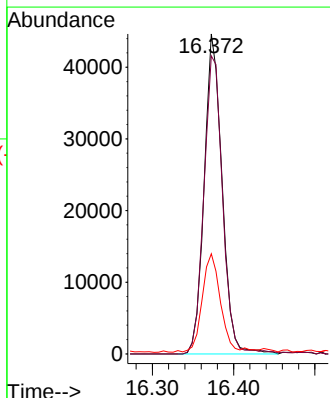
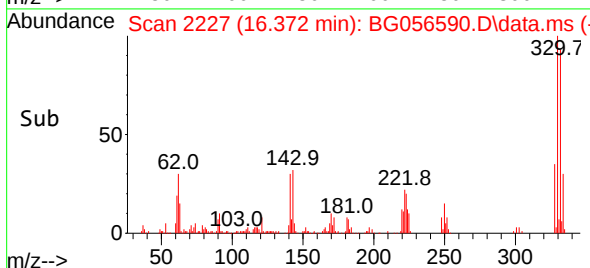
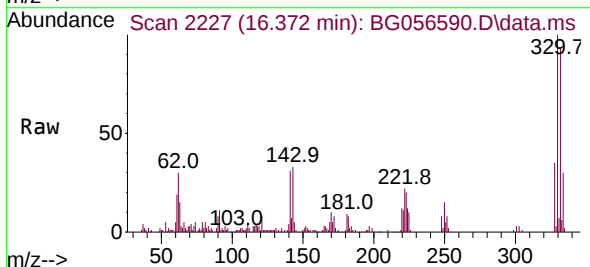
Manual Integrations
APPROVED

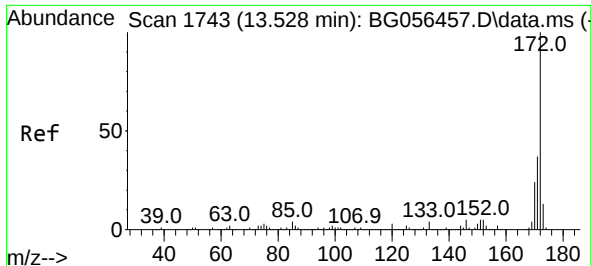
Reviewed By :Christian Giraldo 02/09/2023
Supervised By :Jagrut Upadhyay 02/09/2023



#42
2,4,6-Tribromophenol
Concen: 44.836 ng
RT: 16.372 min Scan# 2227
Delta R.T. -0.005 min
Lab File: BG056590.D
Acq: 8 Feb 2023 20:41

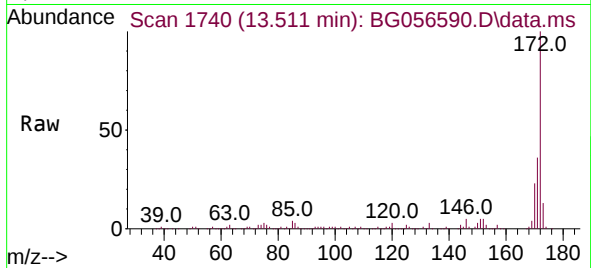
Tgt Ion:330 Resp: 68269
Ion Ratio Lower Upper
330 100
332 98.0 79.0 118.6
141 31.0 24.2 36.4





#45
2-Fluorobiphenyl
Concen: 38.065 ng
RT: 13.511 min Scan# 1740
Delta R.T. -0.005 min
Lab File: BG056590.D
Acq: 8 Feb 2023 20:41

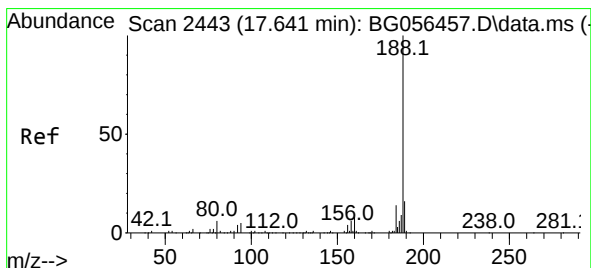
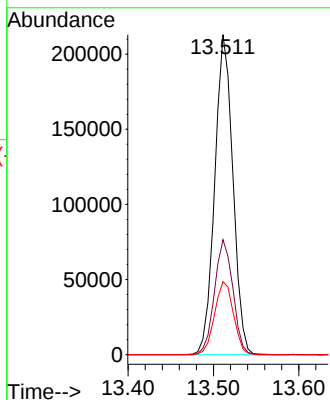
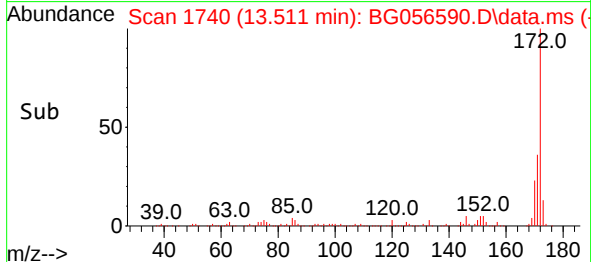
Instrument :
BNA_G
ClientSampleId :
COMP-1DL



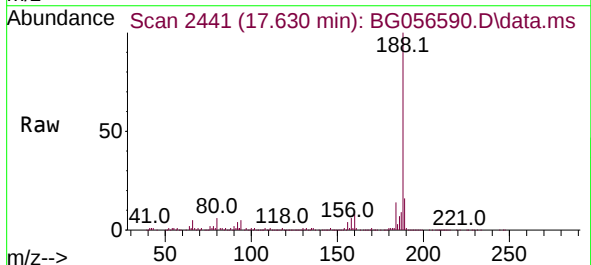
Tgt Ion:172 Resp: 314451
Ion Ratio Lower Upper
172 100
171 35.9 29.5 44.3
170 22.8 19.2 28.8

Manual Integrations
APPROVED

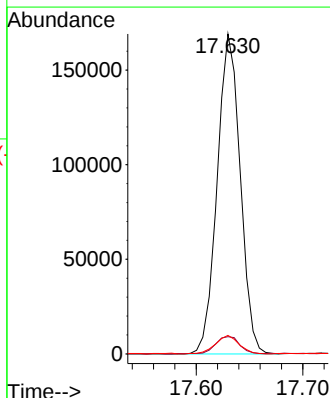
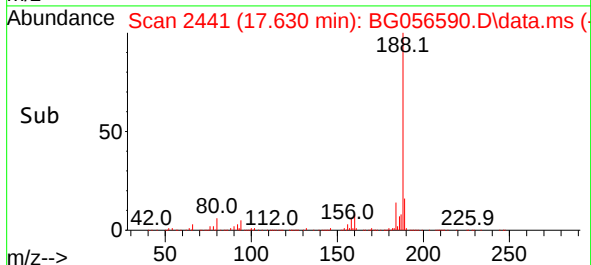
Reviewed By :Christian Giraldo 02/09/2023
Supervised By :Jagrut Upadhyay 02/09/2023

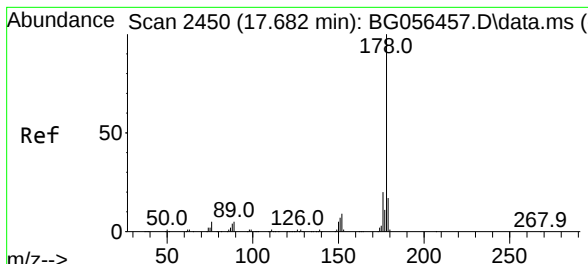


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.630 min Scan# 2441
Delta R.T. 0.001 min
Lab File: BG056590.D
Acq: 8 Feb 2023 20:41



Tgt Ion:188 Resp: 254371
Ion Ratio Lower Upper
188 100
94 5.4 4.1 6.1
80 5.8 5.0 7.4





#71
 Phenanthrene
 Concen: 23.054 ng
 RT: 17.671 min Scan# 2448
 Delta R.T. 0.001 min
 Lab File: BG056590.D
 Acq: 8 Feb 2023 20:41

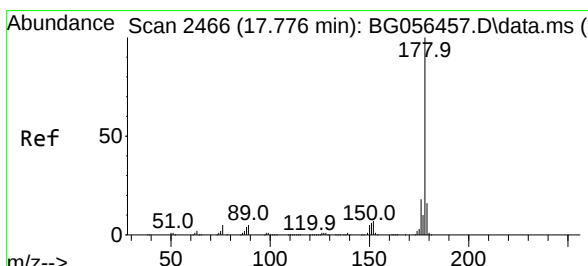
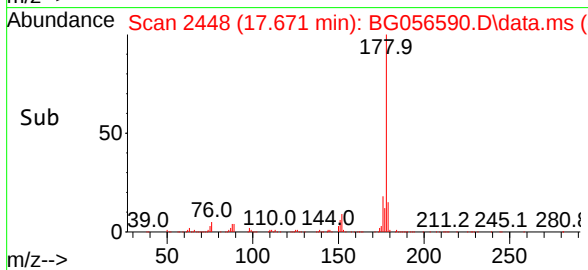
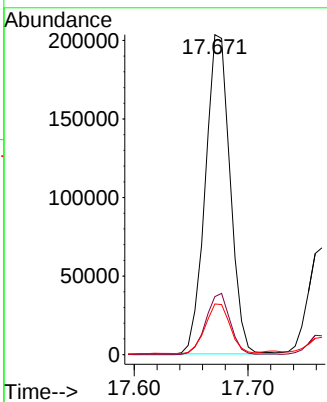
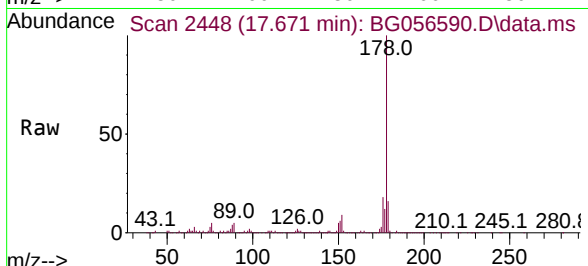
Instrument :
 BNA_G
 ClientSampleId :
 COMP-1DL

Tgt Ion:178 Resp: 306930

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.6	23.4
179	15.9	13.3	19.9

Manual Integrations
 APPROVED

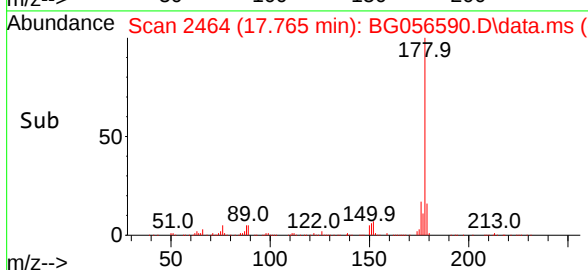
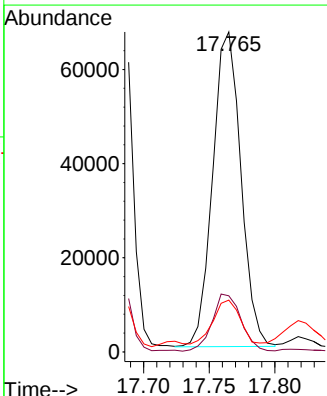
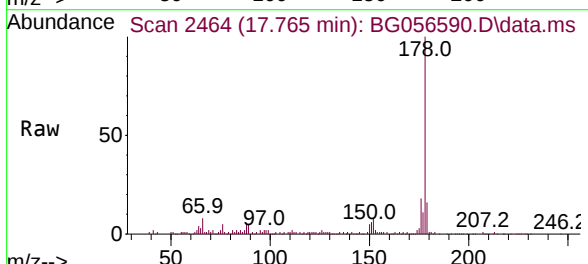
Reviewed By :Christian Giraldo 02/09/2023
 Supervised By :Jagrut Upadhyay 02/09/2023

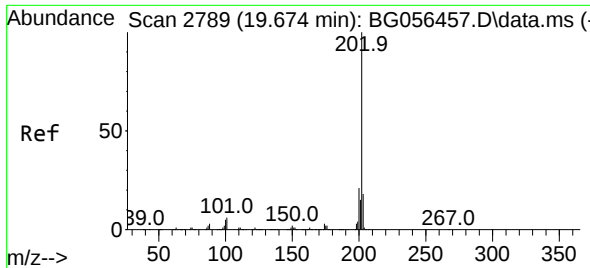


#72
 Anthracene
 Concen: 7.329 ng
 RT: 17.765 min Scan# 2464
 Delta R.T. 0.001 min
 Lab File: BG056590.D
 Acq: 8 Feb 2023 20:41

Tgt Ion:178 Resp: 100166

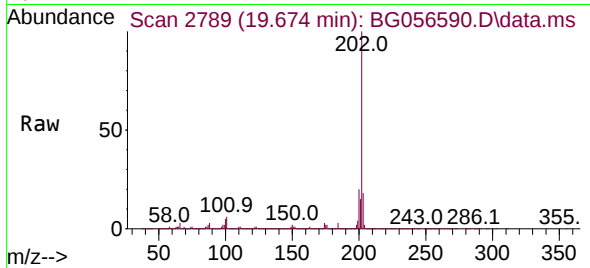
Ion	Ratio	Lower	Upper
178	100		
176	17.5	14.5	21.7
179	16.2	12.5	18.7





#75
Fluoranthene
Concen: 48.059 ng
RT: 19.674 min Scan# 21
Delta R.T. 0.007 min
Lab File: BG056590.D
Acq: 8 Feb 2023 20:41

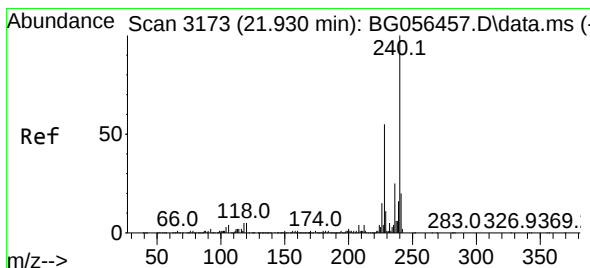
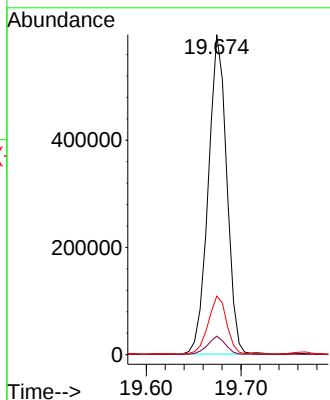
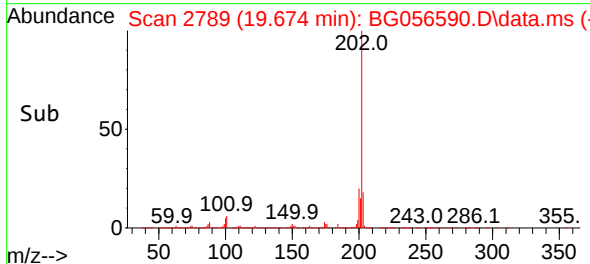
Instrument :
BNA_G
ClientSampleId :
COMP-1DL



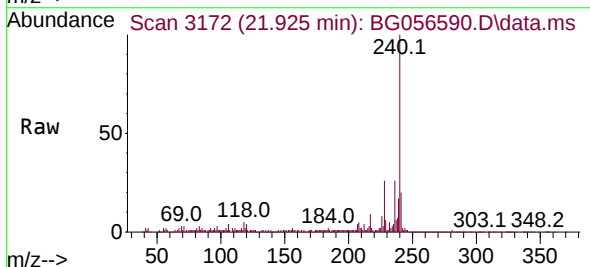
Tgt Ion:202 Resp: 80752
Ion Ratio Lower Upper
202 100
101 5.8 0.0 25.6
203 18.3 0.0 38.1

Manual Integrations
APPROVED

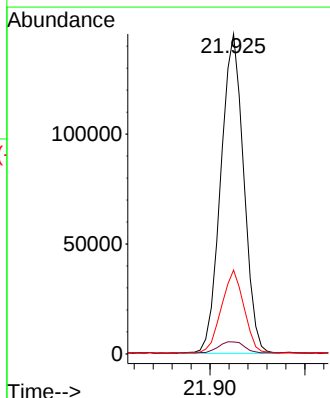
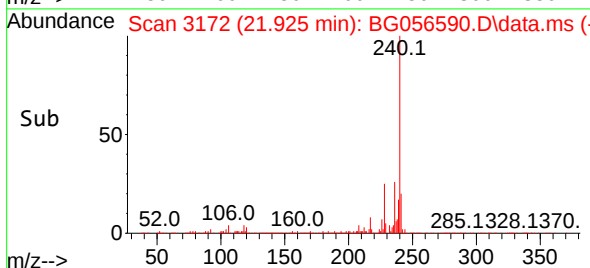
Reviewed By :Christian Giraldo 02/09/2023
Supervised By :Jagrut Upadhyay 02/09/2023

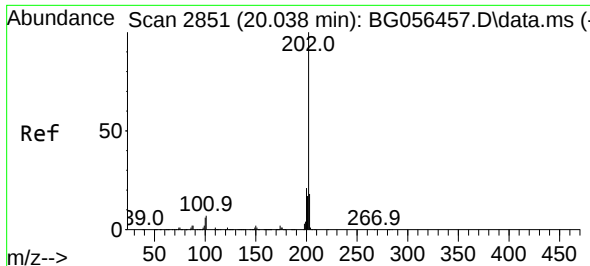


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.925 min Scan# 3172
Delta R.T. 0.001 min
Lab File: BG056590.D
Acq: 8 Feb 2023 20:41



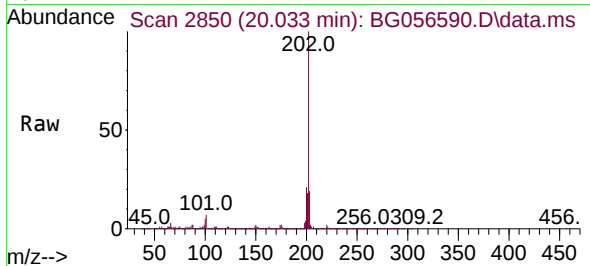
Tgt Ion:240 Resp: 244446
Ion Ratio Lower Upper
240 100
120 3.8 3.8 5.8#
236 26.2 20.2 30.2





#78
Pyrene
Concen: 39.053 ng
RT: 20.033 min Scan# 2851
Delta R.T. 0.007 min
Lab File: BG056590.D
Acq: 8 Feb 2023 20:41

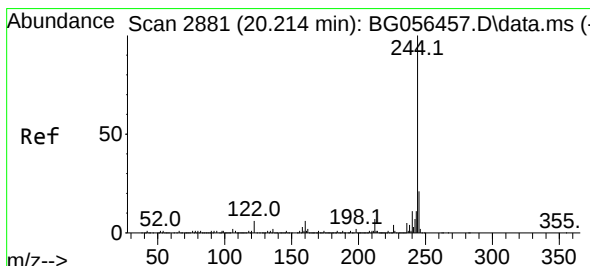
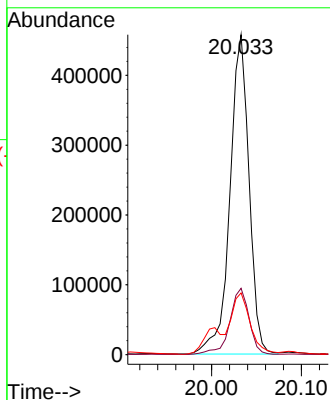
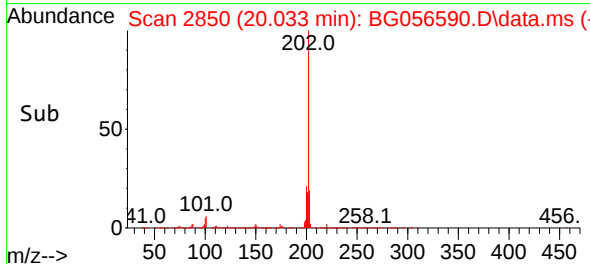
Instrument :
BNA_G
ClientSampleId :
COMP-1DL



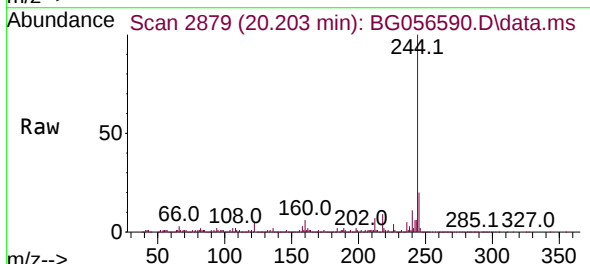
Tgt Ion:202 Resp: 678959
Ion Ratio Lower Upper
202 100
200 20.7 16.7 25.1
203 19.3 14.4 21.6

Manual Integrations
APPROVED

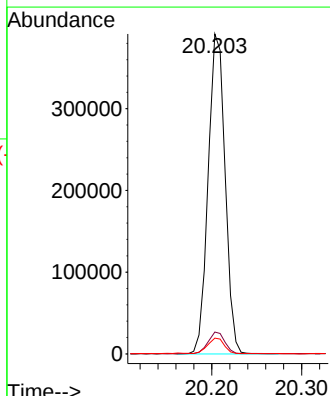
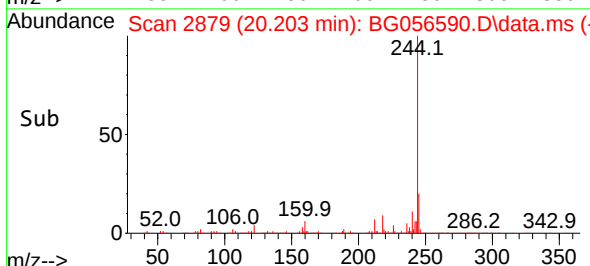
Reviewed By :Christian Giraldo 02/09/2023
Supervised By :Jagrut Upadhyay 02/09/2023

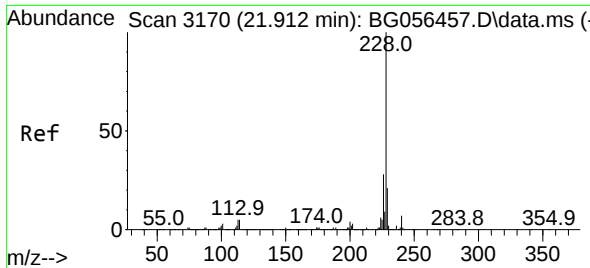


#79
Terphenyl-d14
Concen: 36.994 ng
RT: 20.203 min Scan# 2879
Delta R.T. -0.005 min
Lab File: BG056590.D
Acq: 8 Feb 2023 20:41



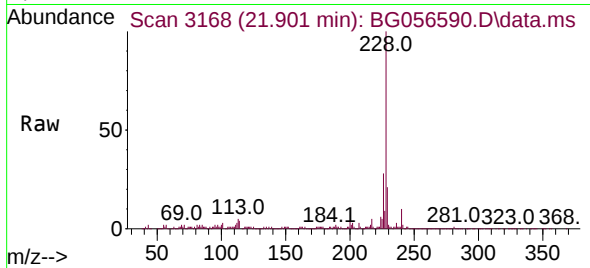
Tgt Ion:244 Resp: 514874
Ion Ratio Lower Upper
244 100
212 6.8 5.5 8.3
122 4.9 4.4 6.6





#81
Benzo(a)anthracene
Concen: 21.734 ng
RT: 21.901 min Scan# 3170
Delta R.T. 0.001 min
Lab File: BG056590.D
Acq: 8 Feb 2023 20:41

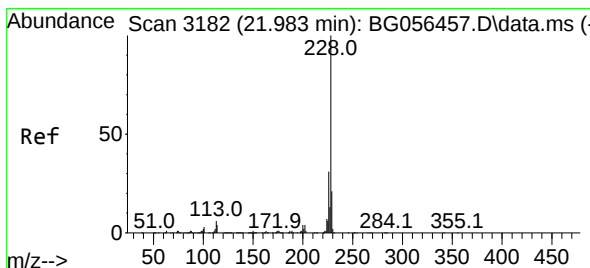
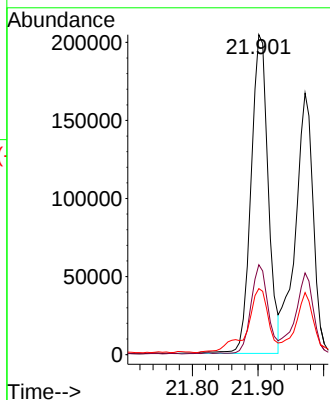
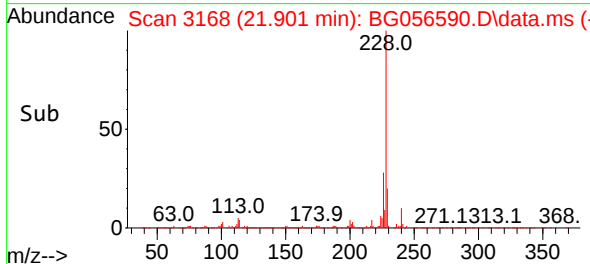
Instrument :
BNA_G
ClientSampleId :
COMP-1DL



Tgt Ion:228 Resp: 371419
Ion Ratio Lower Upper
228 100
226 28.1 22.4 33.6
229 20.6 16.5 24.7

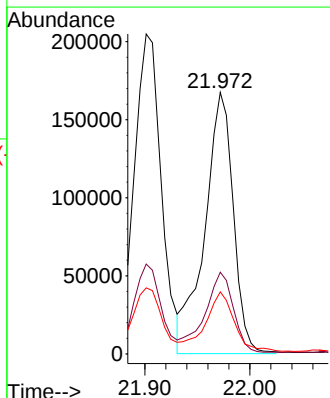
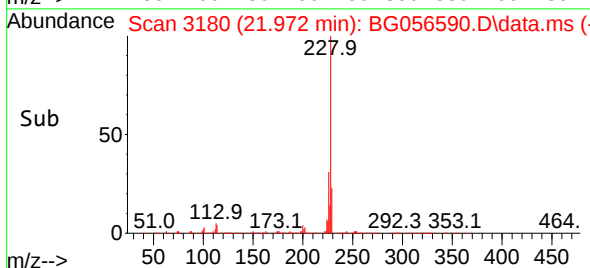
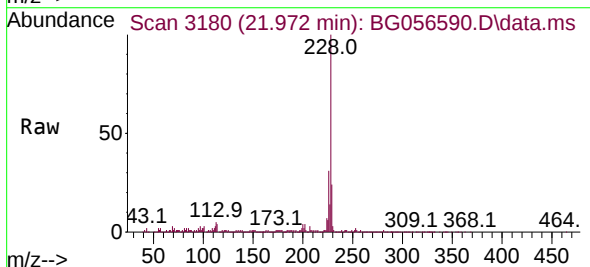
Manual Integrations
APPROVED

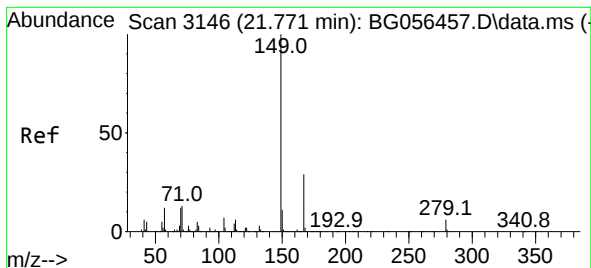
Reviewed By :Christian Giraldo 02/09/2023
Supervised By :Jagrut Upadhyay 02/09/2023



#83
Chrysene
Concen: 19.795 ng m
RT: 21.972 min Scan# 3180
Delta R.T. 0.001 min
Lab File: BG056590.D
Acq: 8 Feb 2023 20:41

Tgt Ion:228 Resp: 317813
Ion Ratio Lower Upper
228 100
226 31.3 25.0 37.4
229 23.7 16.4 24.6





#84

Bis(2-ethylhexyl)phthalate

Concen: 40.019 ng

RT: 21.754 min Scan# 3143

Delta R.T. 0.001 min

Lab File: BG056590.D

Acq: 8 Feb 2023 20:41

Instrument :

BNA_G

ClientSampleId :

COMP-1DL

Tgt Ion:149 Resp: 304645

Ion Ratio Lower Upper

149 100

167 29.2 23.4 35.2

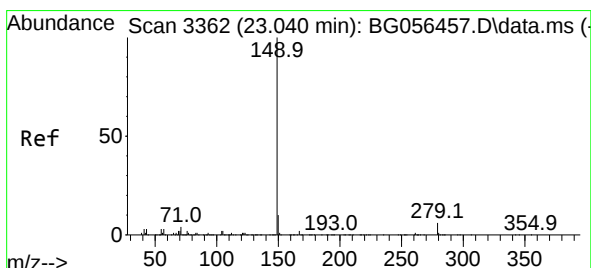
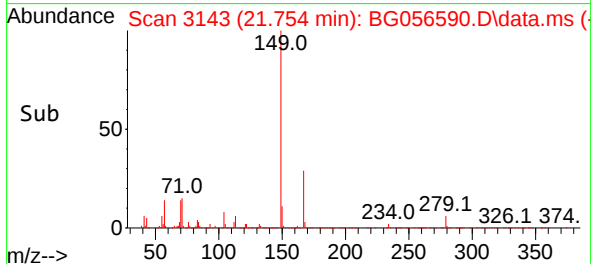
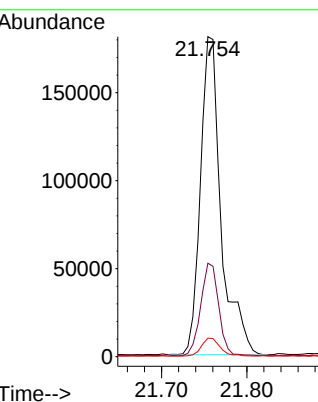
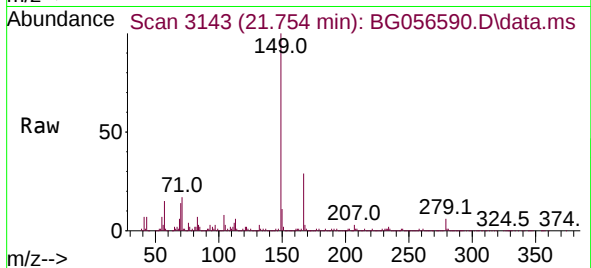
279 5.8 4.4 6.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/09/2023

Supervised By :Jagrut Upadhyay 02/09/2023



#85

Di-n-octyl phthalate

Concen: 15.592 ng m

RT: 23.023 min Scan# 3359

Delta R.T. 0.001 min

Lab File: BG056590.D

Acq: 8 Feb 2023 20:41

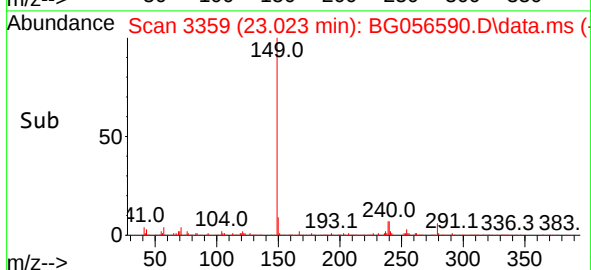
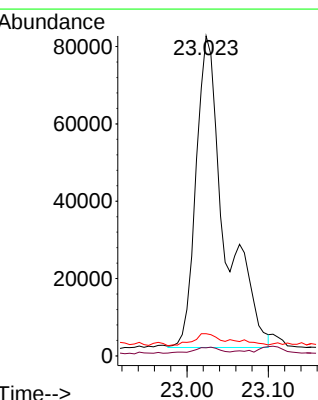
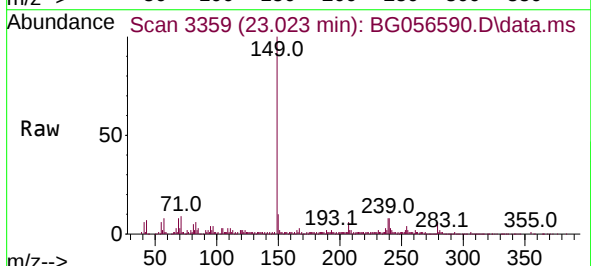
Tgt Ion:149 Resp: 197663

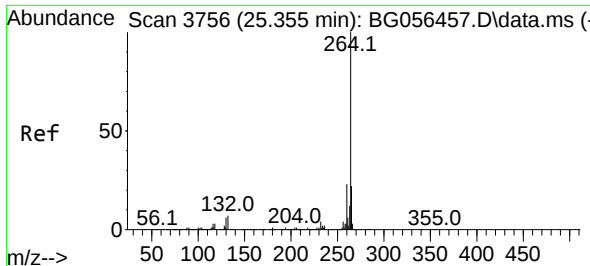
Ion Ratio Lower Upper

149 100

167 1.8 1.4 2.0

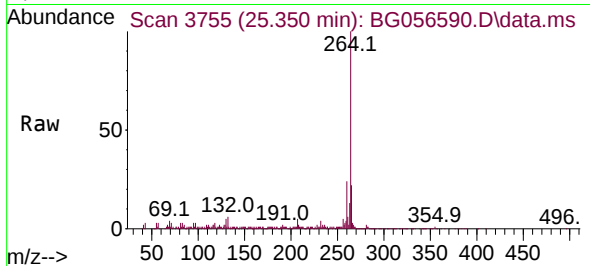
43 3.3 2.7 4.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.350 min Scan# 31
Delta R.T. 0.012 min
Lab File: BG056590.D
Acq: 8 Feb 2023 20:41

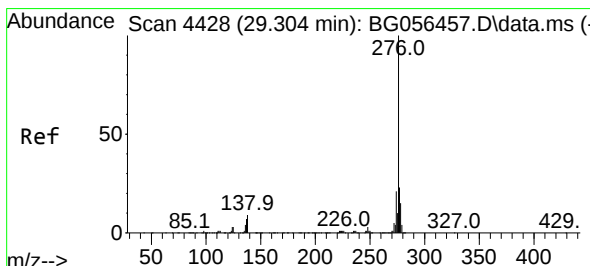
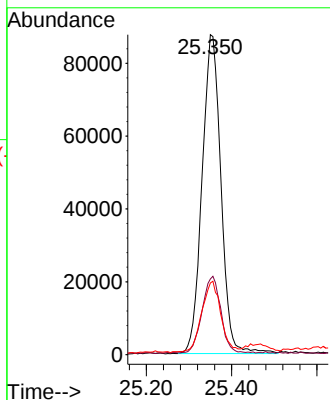
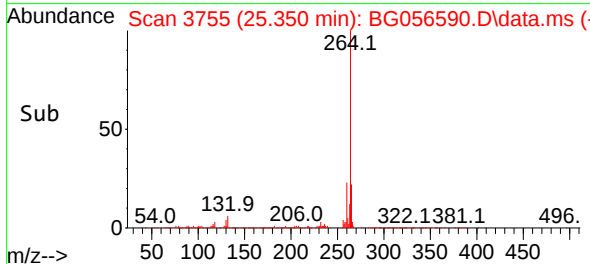
Instrument :
BNA_G
ClientSampleId :
COMP-1DL



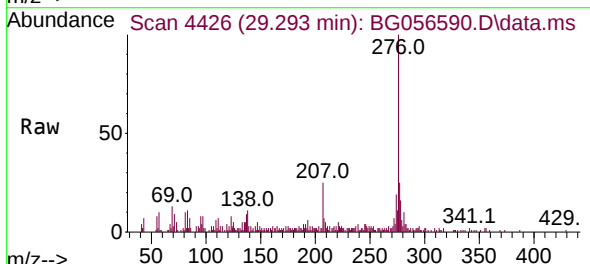
Tgt Ion:264 Resp: 26955
Ion Ratio Lower Upper
264 100
260 23.6 18.2 27.4
265 22.4 18.1 27.1

Manual Integrations
APPROVED

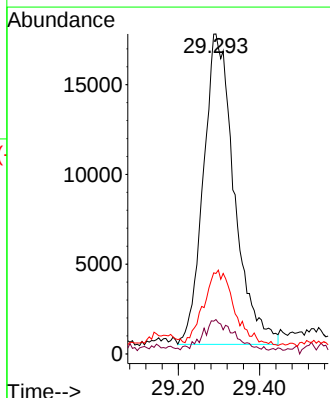
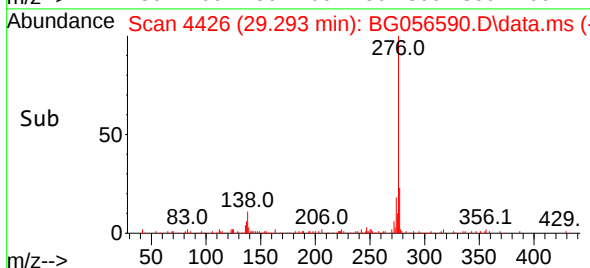
Reviewed By :Christian Giraldo 02/09/2023
Supervised By :Jagrut Upadhyay 02/09/2023

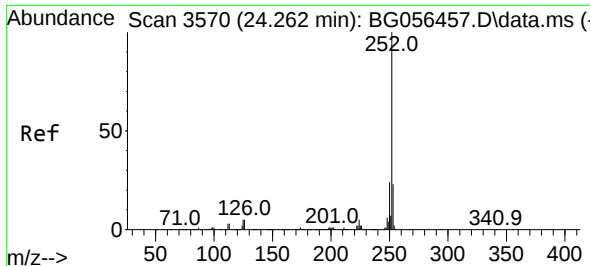


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.622 ng
RT: 29.293 min Scan# 4426
Delta R.T. 0.007 min
Lab File: BG056590.D
Acq: 8 Feb 2023 20:41



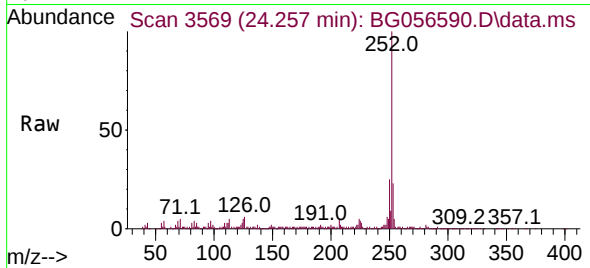
Tgt Ion:276 Resp: 91207
Ion Ratio Lower Upper
276 100
138 8.9 9.4 14.2#
277 24.3 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 19.044 ng
RT: 24.257 min Scan# 3569
Delta R.T. 0.007 min
Lab File: BG056590.D
Acq: 8 Feb 2023 20:41

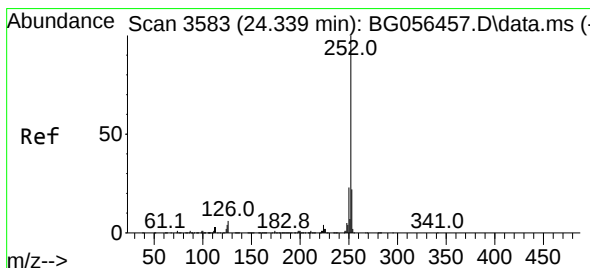
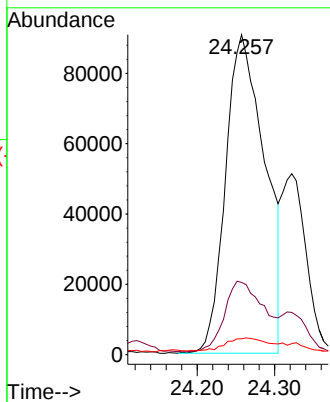
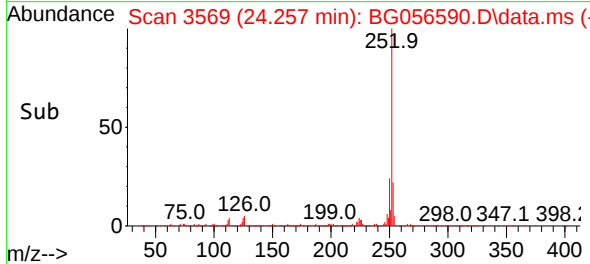
Instrument :
BNA_G
ClientSampleId :
COMP-1DL



Tgt Ion:252 Resp: 318628
Ion Ratio Lower Upper
252 100
253 22.6 18.1 27.1
125 4.9 3.9 5.9

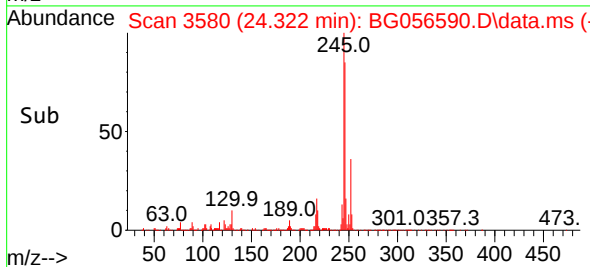
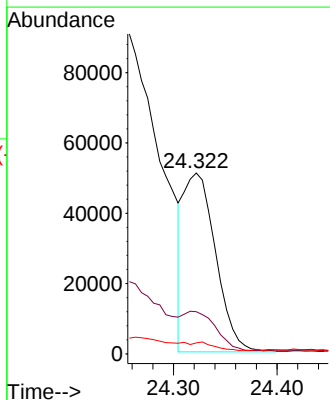
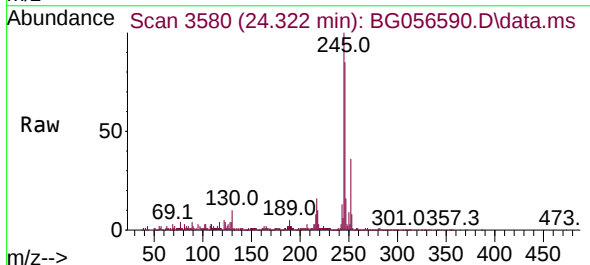
Manual Integrations
APPROVED

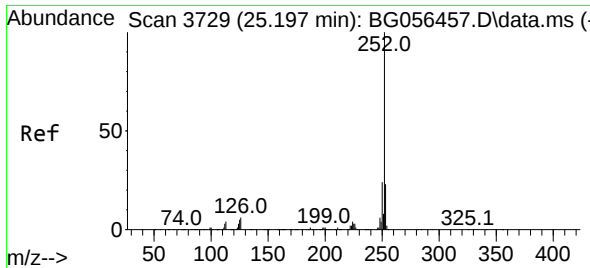
Reviewed By :Christian Giraldo 02/09/2023
Supervised By :Jagrut Upadhyay 02/09/2023



#89
Benzo(k)fluoranthene
Concen: 6.478 ng m
RT: 24.322 min Scan# 3580
Delta R.T. 0.001 min
Lab File: BG056590.D
Acq: 8 Feb 2023 20:41

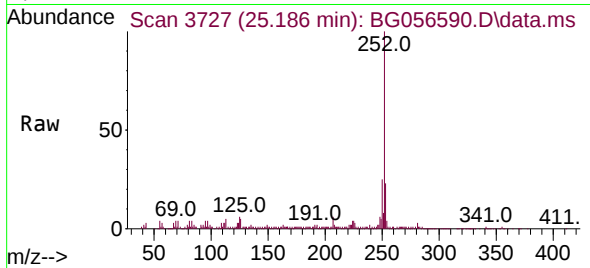
Tgt Ion:252 Resp: 109428
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 6.1 3.4 5.0#





#90
Benzo(a)pyrene
Concen: 12.951 ng
RT: 25.186 min Scan# 31
Delta R.T. 0.007 min
Lab File: BG056590.D
Acq: 8 Feb 2023 20:41

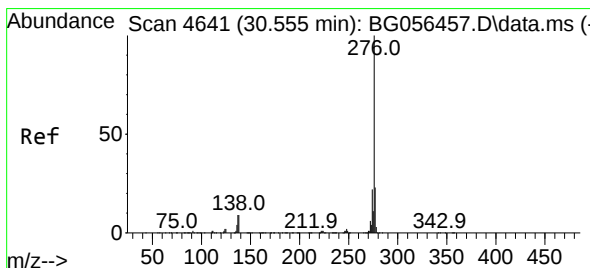
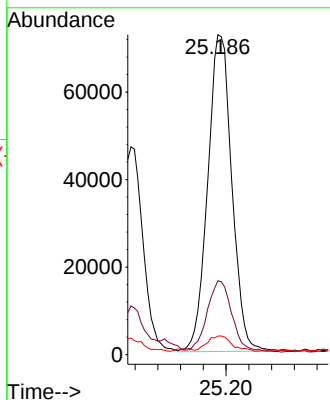
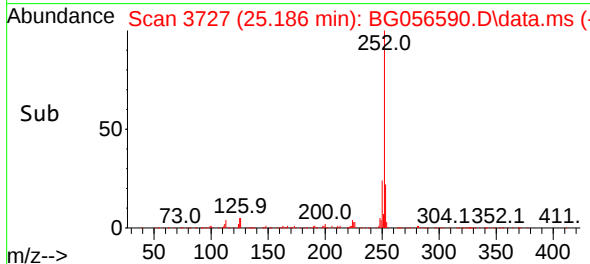
Instrument :
BNA_G
ClientSampleId :
COMP-1DL



Tgt Ion:252 Resp: 21345
Ion Ratio Lower Upper
252 100
253 23.1 18.4 27.6
125 5.8 4.1 6.1

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/09/2023
Supervised By :Jagrut Upadhyay 02/09/2023



#92
Benzo(g,h,i)perylene
Concen: 4.810 ng
RT: 30.538 min Scan# 4638
Delta R.T. 0.012 min
Lab File: BG056590.D
Acq: 8 Feb 2023 20:41

Tgt Ion:276 Resp: 76865
Ion Ratio Lower Upper
276 100
277 26.1 18.5 27.7
138 12.6 7.4 11.0#

