

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020723\
 Data File : BG056573.D
 Acq On : 7 Feb 2023 18:43
 Operator : CG/JU
 Sample : 01465-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-1

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/08/2023
 Supervised By : Jagrut Upadhyay 02/08/2023

Quant Time: Feb 08 03:07:01 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	8.264	152	40012	20.000	ng	0.00
21) Naphthalene-d8	11.102	136	148929	20.000	ng	0.00
39) Acenaphthene-d10	14.891	164	105404	20.000	ng	0.00
64) Phenanthrene-d10	17.629	188	238777	20.000	ng	0.00
76) Chrysene-d12	21.924	240	229857	20.000	ng	0.00
86) Perylene-d12	25.355	264	252491	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.796	112	285363	131.198	ng	0.00
7) Phenol-d6	7.418	99	384902	119.434	ng	0.00
23) Nitrobenzene-d5	9.445	82	203940	77.760	ng	0.00
42) 2,4,6-Tribromophenol	16.378	330	144817	103.346	ng	0.00
45) 2-Fluorobiphenyl	13.516	172	616885	81.142	ng	0.00
79) Terphenyl-d14	20.209	244	1011249	77.271	ng	0.00
Target Compounds						Qvalue
15) Benzyl Alcohol	8.505	79	84437	38.187	ng	99
52) Acenaphthene	14.950	154	16961	2.942	ng	94
58) Fluorene	15.931	166	34370	4.177	ng	# 93
71) Phenanthrene	17.676	178	613648	49.103	ng	100
72) Anthracene	17.764	178	200796	15.652	ng	99
73) Carbazole	18.035	167	22510	2.060	ng	# 91
75) Fluoranthene	19.680	202	1566822	99.336	ng	97
78) Pyrene	20.038	202	1326880	81.165	ng	97
80) Butylbenzylphthalate	20.878	149	25502	5.108	ng	99
81) Benzo(a)anthracene	21.907	228	729352	45.387	ng	99
83) Chrysene	21.977	228	622985	41.265	ng	98
84) Bis(2-ethylhexyl)phtha...	21.760	149	608684	85.034	ng	100
85) Di-n-octyl phthalate	23.029	149	411821m	34.546	ng	
87) Indeno(1,2,3-cd)pyrene	29.292	276	212879	11.518	ng	# 96
88) Benzo(b)fluoranthene	24.263	252	653357	41.690	ng	98
89) Benzo(k)fluoranthene	24.327	252	205793m	13.006	ng	
90) Benzo(a)pyrene	25.197	252	437021	28.309	ng	99
91) Dibenzo(a,h)anthracene	29.339	278	62982	4.060	ng	# 91
92) Benzo(g,h,i)perylene	30.543	276	189931	12.688	ng	95

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

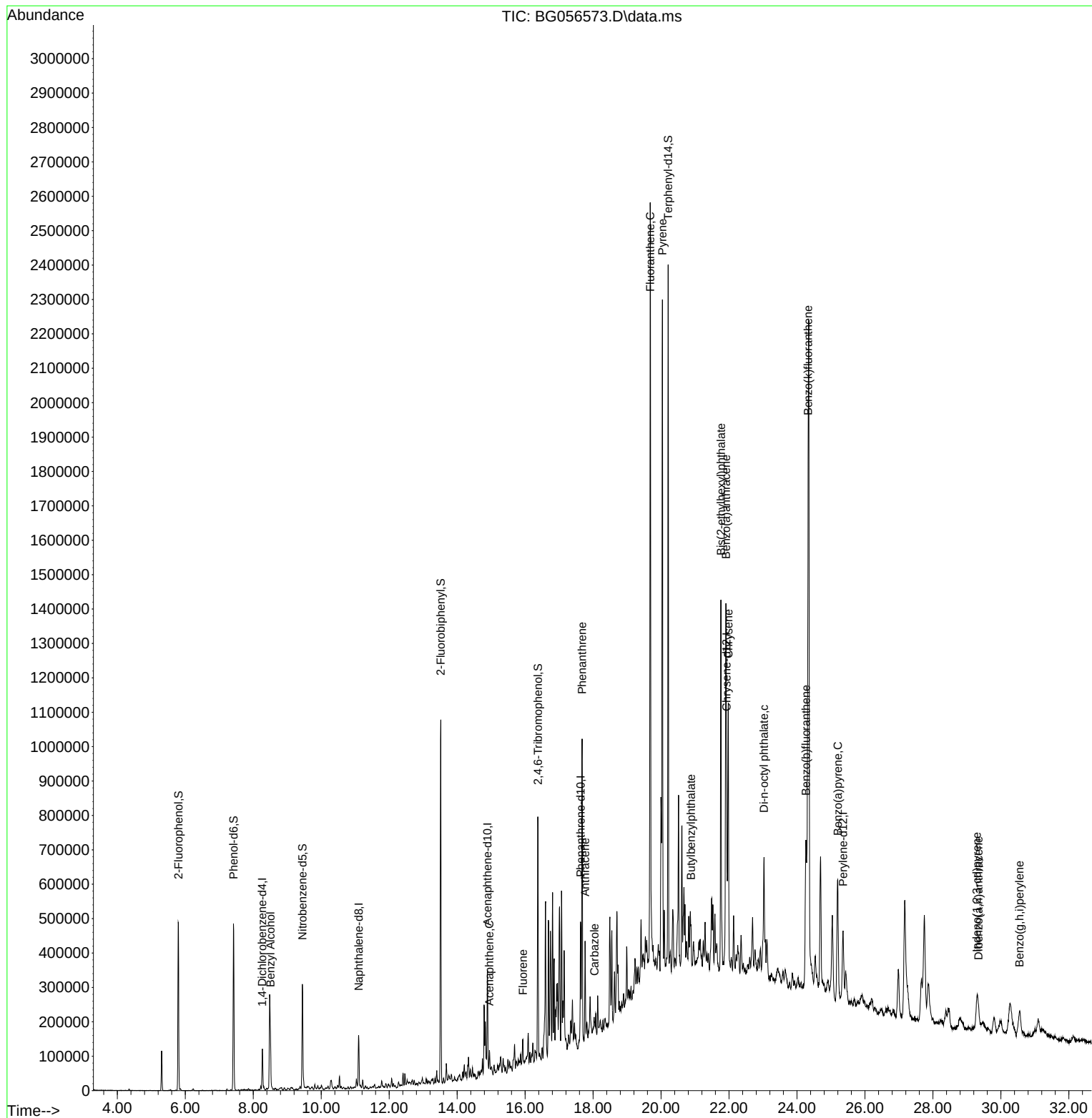
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020723\
Data File : BG056573.D
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ALS Vial : 11 Sample Multiplier: 1

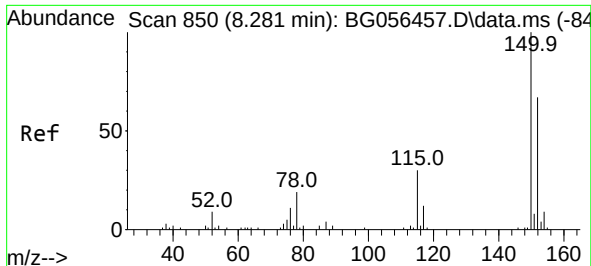
Instrument :
BNA_G
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COMP-1

Quant Time: Feb 08 03:07:01 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
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Manual Integrations
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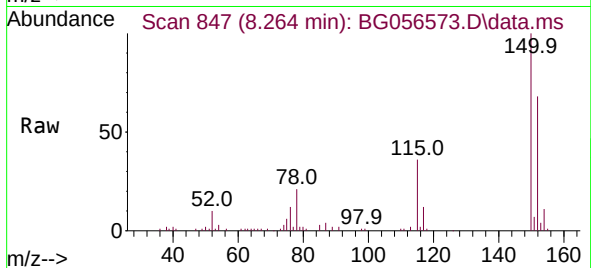
Reviewed By :Christian Giraldo 02/08/2023
Supervised By :Jagrut Upadhyay 02/08/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.264 min Scan# 847
Delta R.T. -0.005 min
Lab File: BG056573.D
Acq: 7 Feb 2023 18:43

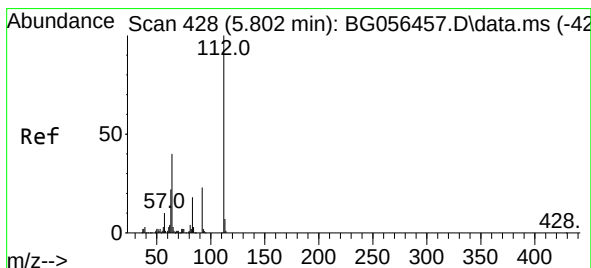
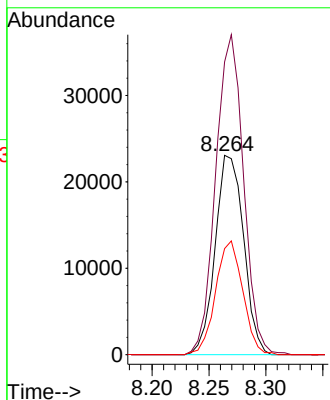
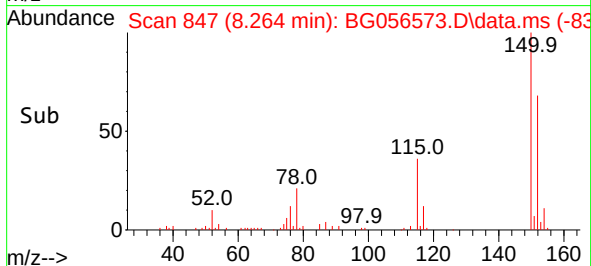
Instrument :
BNA_G
ClientSampleId :
COMP-1



Tgt Ion:152 Resp: 40012
Ion Ratio Lower Upper
152 100
150 146.9 120.2 180.4
115 53.2 36.3 54.5

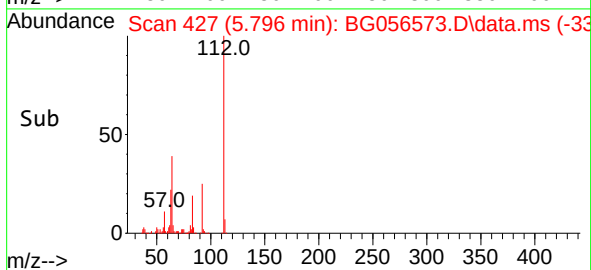
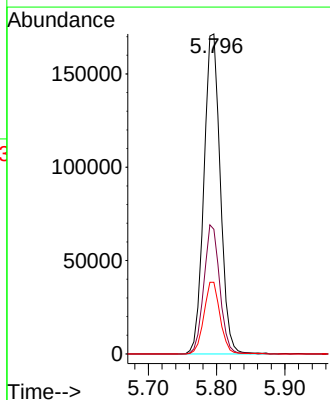
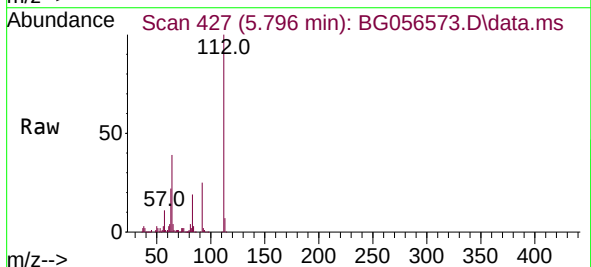
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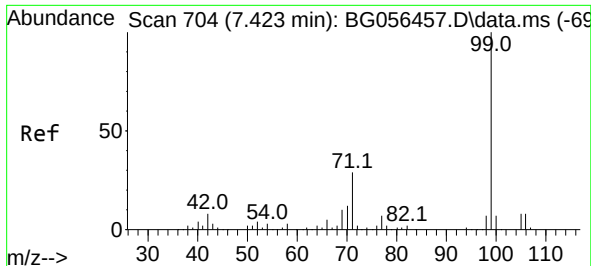
Reviewed By :Christian Giraldo 02/08/2023
Supervised By :Jagrut Upadhyay 02/08/2023



#5
2-Fluorophenol
Concen: 131.198 ng
RT: 5.796 min Scan# 427
Delta R.T. 0.006 min
Lab File: BG056573.D
Acq: 7 Feb 2023 18:43

Tgt Ion:112 Resp: 285363
Ion Ratio Lower Upper
112 100
64 38.9 31.9 47.9
63 22.4 17.4 26.0





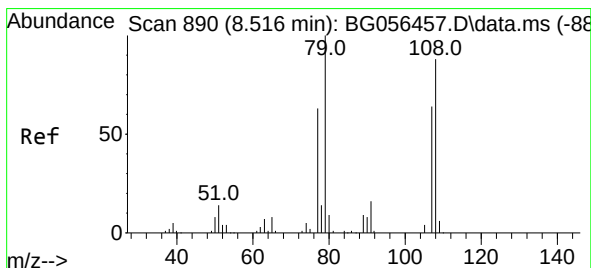
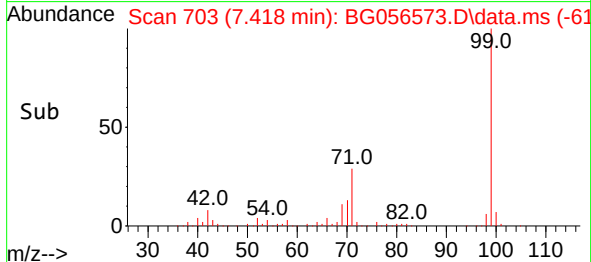
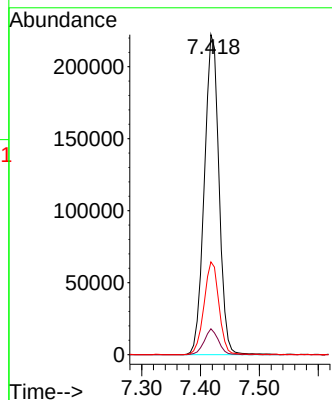
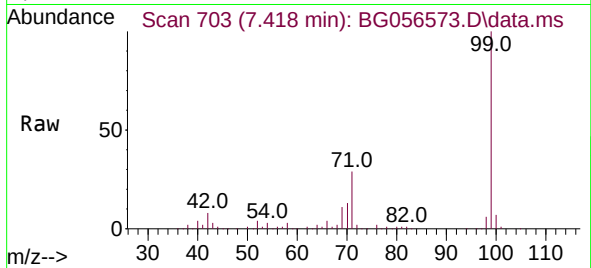
#7
Phenol-d6
Concen: 119.434 ng
RT: 7.418 min Scan# 704
Delta R.T. 0.000 min
Lab File: BG056573.D
Acq: 7 Feb 2023 18:43

Instrument :
BNA_G
ClientSampleId :
COMP-1

Tgt Ion: 99 Resp: 384902
Ion Ratio Lower Upper
99 100
42 8.1 6.6 10.0
71 29.0 23.4 35.0

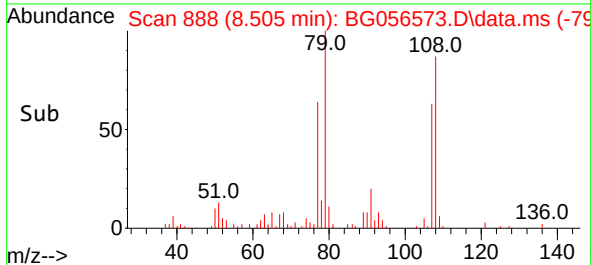
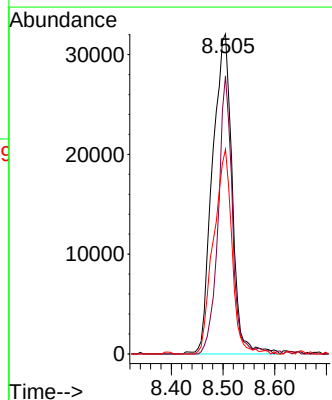
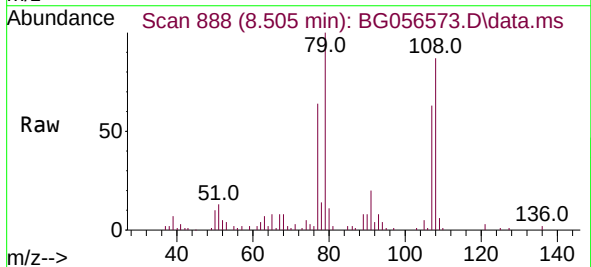
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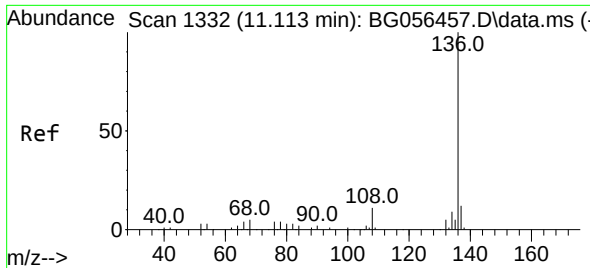
Reviewed By :Christian Giraldo 02/08/2023
Supervised By :Jagrut Upadhyay 02/08/2023



#15
Benzyl Alcohol
Concen: 38.187 ng
RT: 8.505 min Scan# 888
Delta R.T. 0.000 min
Lab File: BG056573.D
Acq: 7 Feb 2023 18:43

Tgt Ion: 79 Resp: 84437
Ion Ratio Lower Upper
79 100
108 86.9 70.1 105.1
77 63.9 50.3 75.5





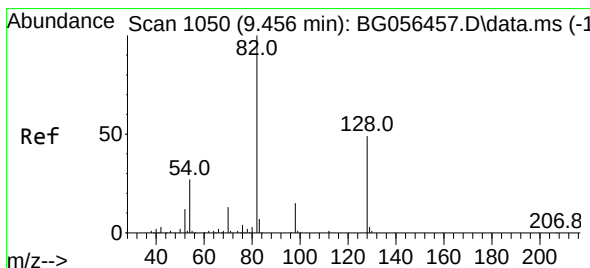
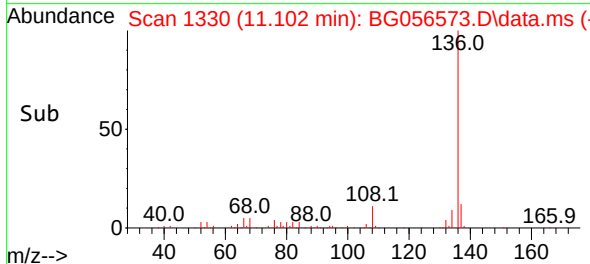
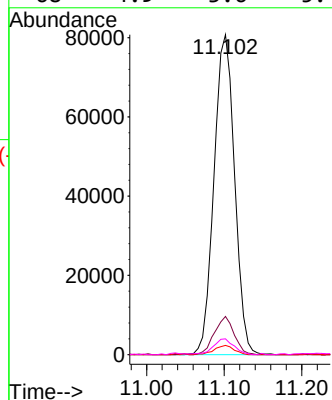
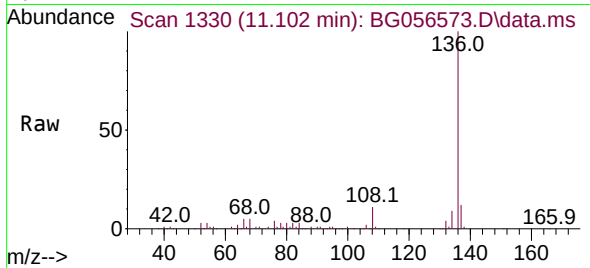
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.102 min Scan# 1332
Delta R.T. 0.000 min
Lab File: BG056573.D
Acq: 7 Feb 2023 18:43

Instrument :
BNA_G
ClientSampleId :
COMP-1

Tgt Ion:	136	Resp:	148929
Ion Ratio	Lower	Upper	
136	100		
137	12.0	9.4	14.0
54	2.9	2.2	3.4
68	4.9	3.6	5.4

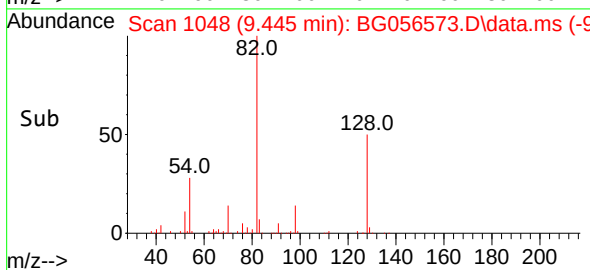
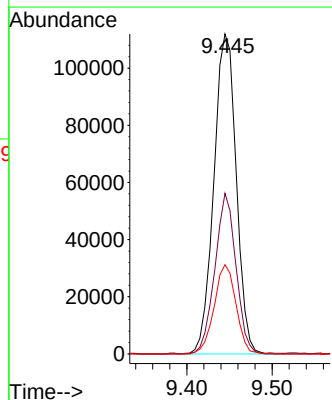
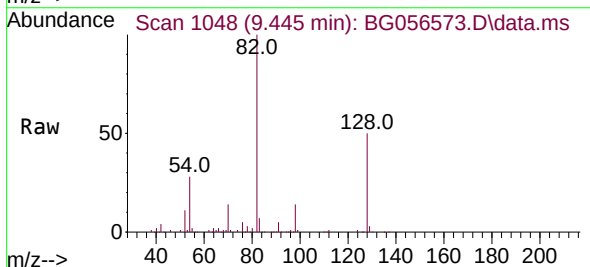
Manual Integrations
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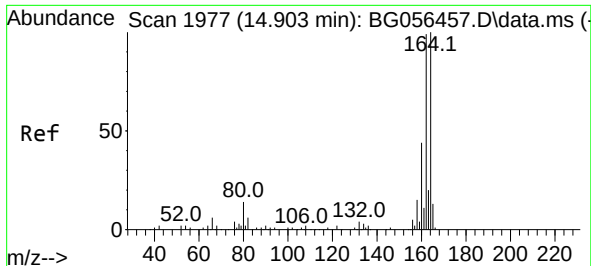
Reviewed By :Christian Giraldo 02/08/2023
Supervised By :Jagrut Upadhyay 02/08/2023



#23
Nitrobenzene-d5
Concen: 77.760 ng
RT: 9.445 min Scan# 1048
Delta R.T. 0.000 min
Lab File: BG056573.D
Acq: 7 Feb 2023 18:43

Tgt Ion:	82	Resp:	203940
Ion Ratio	Lower	Upper	
82	100		
128	50.2	39.4	59.2
54	27.9	21.4	32.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.891 min Scan# 1975

Delta R.T. 0.000 min

Lab File: BG056573.D

Acq: 7 Feb 2023 18:43

Instrument :

BNA_G

ClientSampleId :

COMP-1

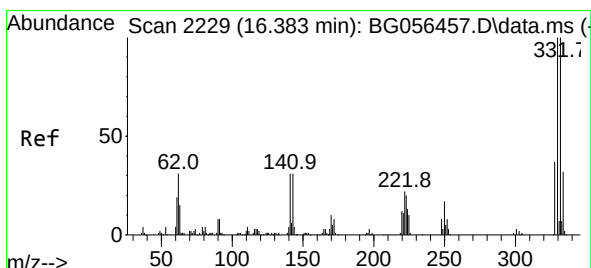
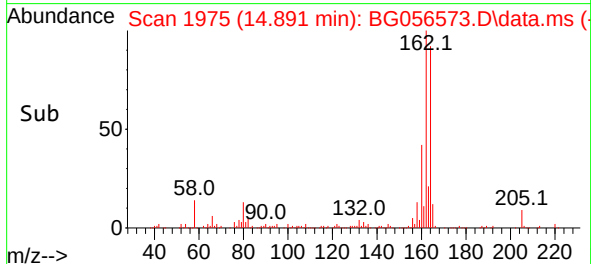
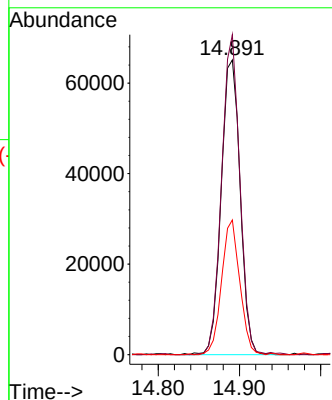
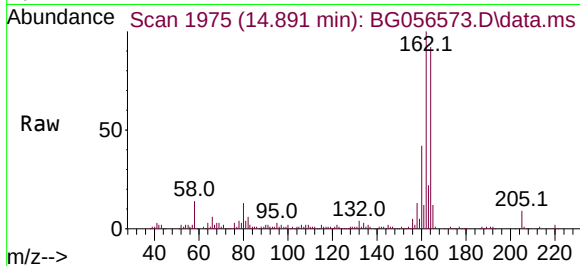
Tgt Ion:164 Resp: 105404

Ion	Ratio	Lower	Upper
164	100		
162	108.6	79.6	119.4
160	45.7	34.9	52.3

Manual Integrations

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Supervised By :Jagrut Upadhyay 02/08/2023



#42

2,4,6-Tribromophenol

Concen: 103.346 ng

RT: 16.378 min Scan# 2228

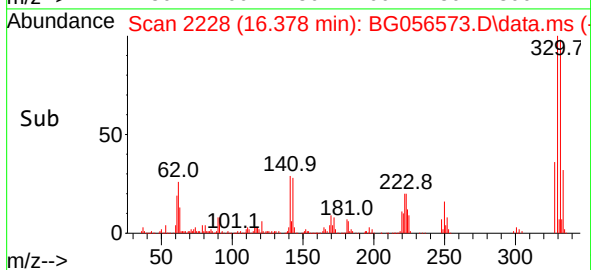
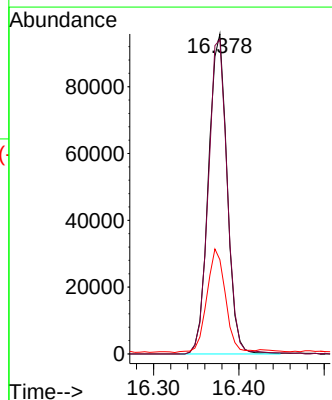
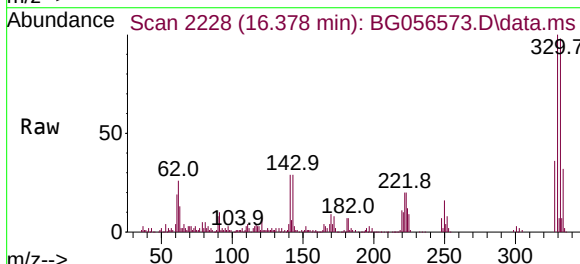
Delta R.T. 0.000 min

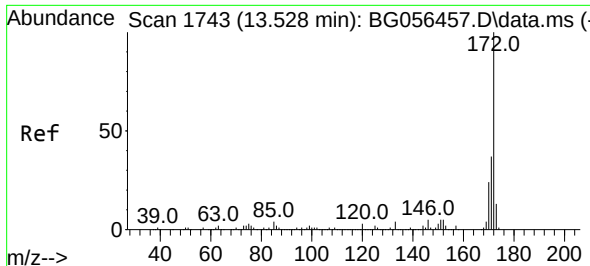
Lab File: BG056573.D

Acq: 7 Feb 2023 18:43

Tgt Ion:330 Resp: 144817

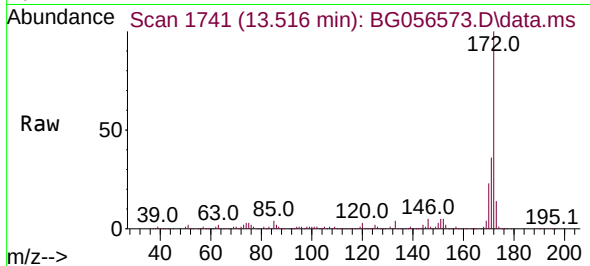
Ion	Ratio	Lower	Upper
330	100		
332	99.9	79.0	118.6
141	32.4	24.2	36.4





#45
2-Fluorobiphenyl
Concen: 81.142 ng
RT: 13.516 min Scan# 1741
Delta R.T. 0.000 min
Lab File: BG056573.D
Acq: 7 Feb 2023 18:43

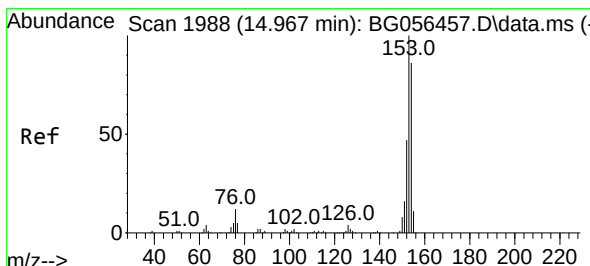
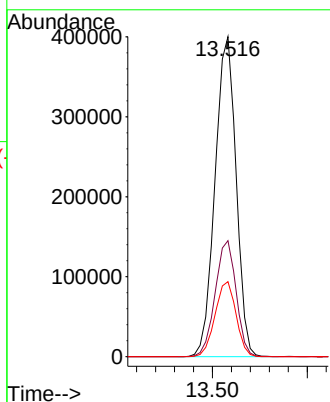
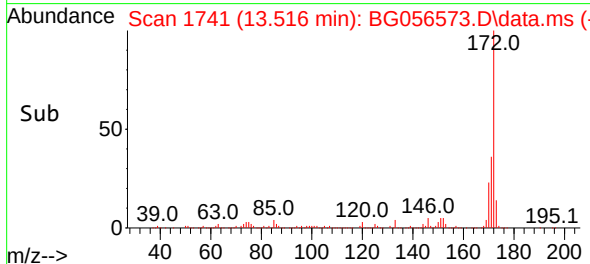
Instrument :
BNA_G
ClientSampleId :
COMP-1



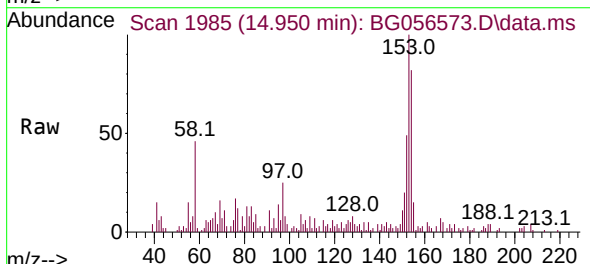
Tgt Ion:172 Resp: 616885
Ion Ratio Lower Upper
172 100
171 36.2 29.5 44.3
170 23.4 19.2 28.8

Manual Integrations
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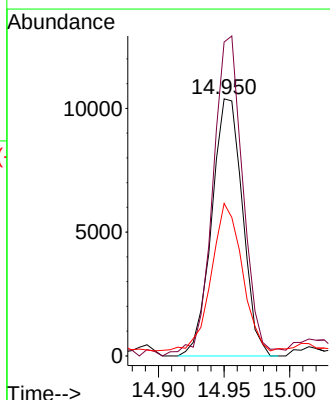
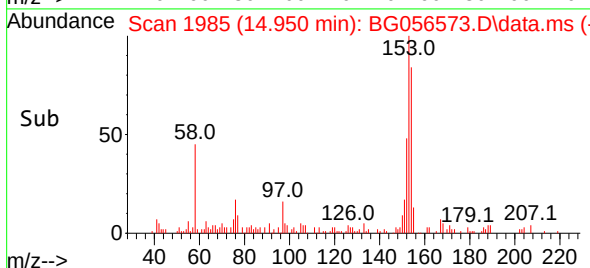
Reviewed By :Christian Giraldo 02/08/2023
Supervised By :Jagrut Upadhyay 02/08/2023

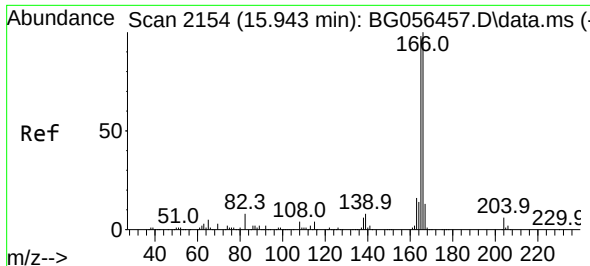


#52
Acenaphthene
Concen: 2.942 ng
RT: 14.950 min Scan# 1985
Delta R.T. -0.006 min
Lab File: BG056573.D
Acq: 7 Feb 2023 18:43



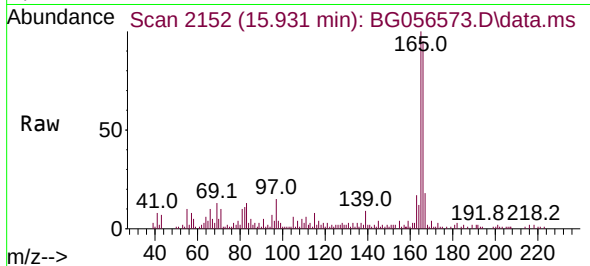
Tgt Ion:154 Resp: 16961
Ion Ratio Lower Upper
154 100
153 122.1 93.4 140.0
152 59.3 43.4 65.2





#58
Fluorene
Concen: 4.177 ng
RT: 15.931 min Scan# 2154
Delta R.T. 0.000 min
Lab File: BG056573.D
Acq: 7 Feb 2023 18:43

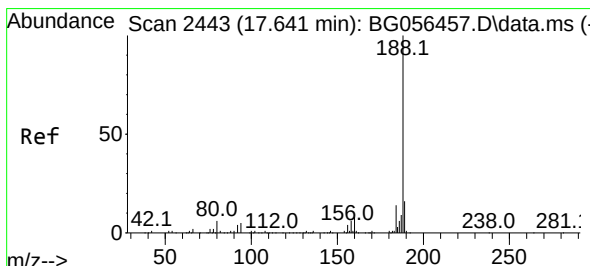
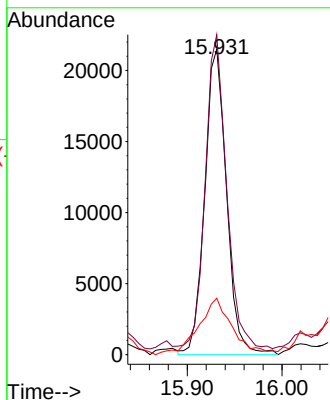
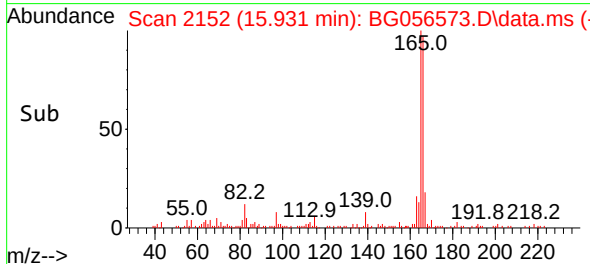
Instrument :
BNA_G
ClientSampleId :
COMP-1



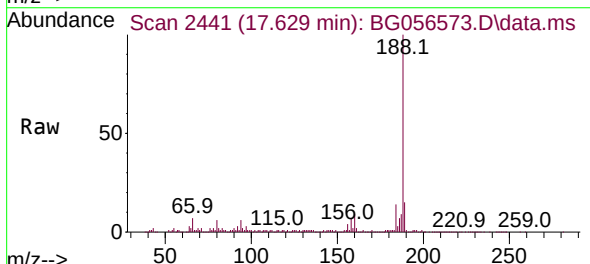
Tgt Ion:166 Resp: 34376
Ion Ratio Lower Upper
166 100
165 104.7 78.8 118.2
167 18.5 10.6 15.8

Manual Integrations
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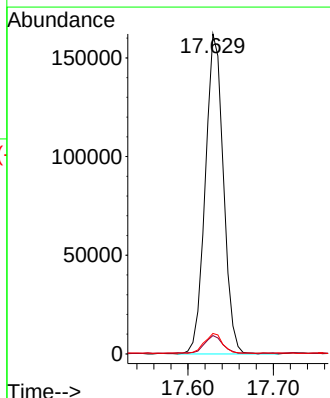
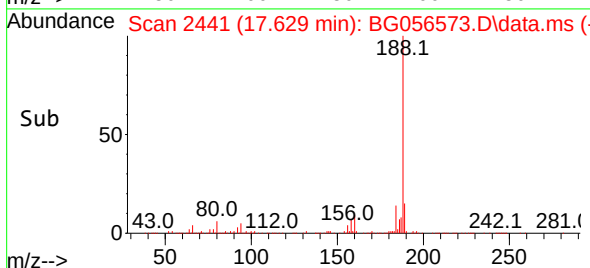
Reviewed By :Christian Giraldo 02/08/2023
Supervised By :Jagrut Upadhyay 02/08/2023

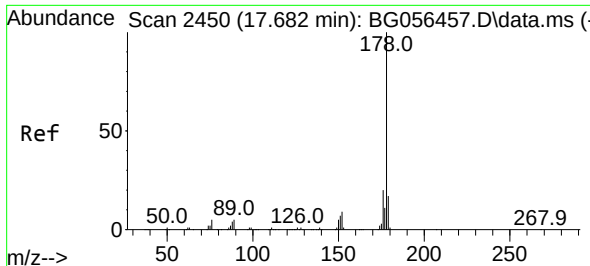


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.629 min Scan# 2441
Delta R.T. 0.000 min
Lab File: BG056573.D
Acq: 7 Feb 2023 18:43



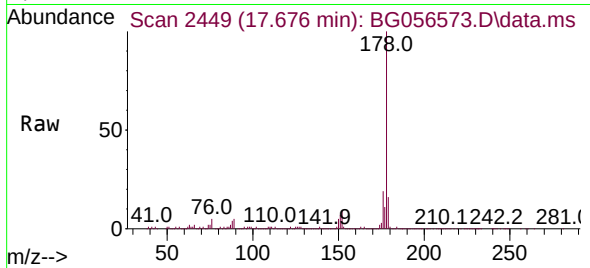
Tgt Ion:188 Resp: 238777
Ion Ratio Lower Upper
188 100
94 5.7 4.1 6.1
80 6.4 5.0 7.4





#71
Phenanthrene
Concen: 49.103 ng
RT: 17.676 min Scan# 2449
Delta R.T. 0.006 min
Lab File: BG056573.D
Acq: 7 Feb 2023 18:43

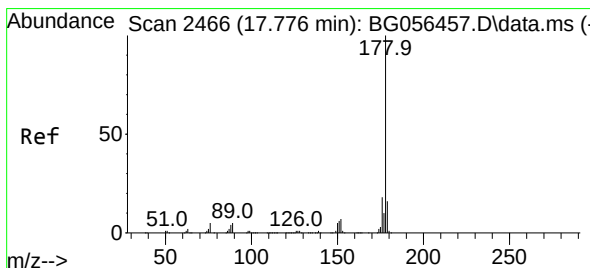
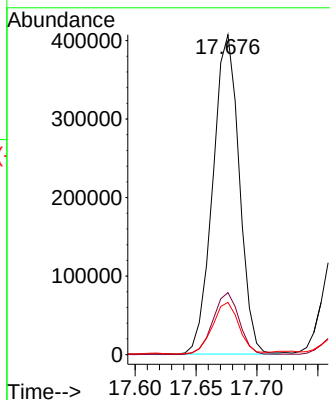
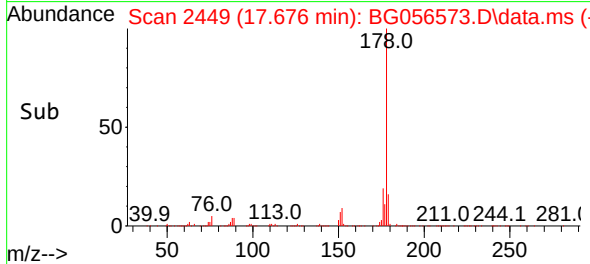
Instrument :
BNA_G
ClientSampleId :
COMP-1



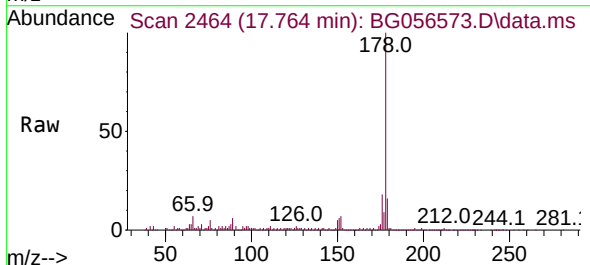
Tgt Ion:178 Resp: 613648
Ion Ratio Lower Upper
178 100
176 19.4 15.6 23.4
179 16.3 13.3 19.9

Manual Integrations
APPROVED

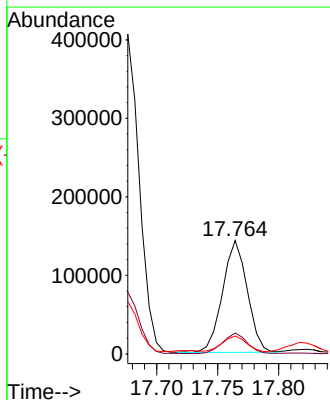
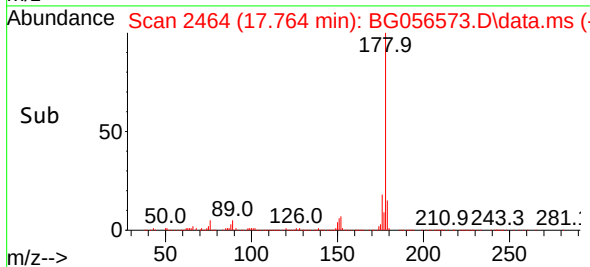
Reviewed By :Christian Giraldo 02/08/2023
Supervised By :Jagrut Upadhyay 02/08/2023

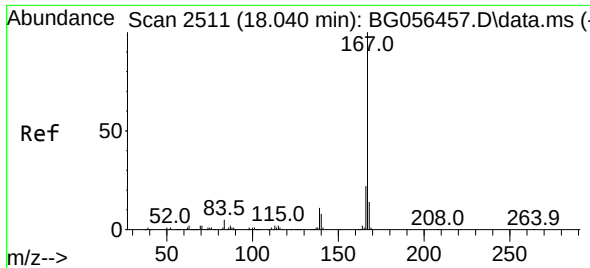


#72
Anthracene
Concen: 15.652 ng
RT: 17.764 min Scan# 2464
Delta R.T. 0.000 min
Lab File: BG056573.D
Acq: 7 Feb 2023 18:43



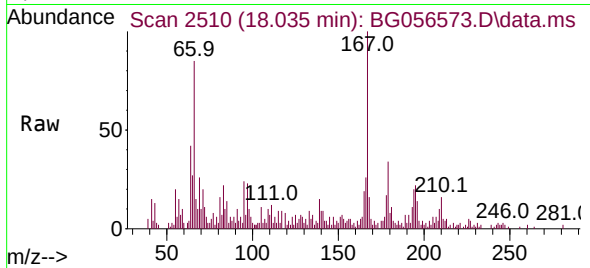
Tgt Ion:178 Resp: 200796
Ion Ratio Lower Upper
178 100
176 18.4 14.5 21.7
179 15.7 12.5 18.7





#73
 Carbazole
 Concen: 2.060 ng
 RT: 18.035 min Scan# 2510
 Delta R.T. 0.006 min
 Lab File: BG056573.D
 Acq: 7 Feb 2023 18:43

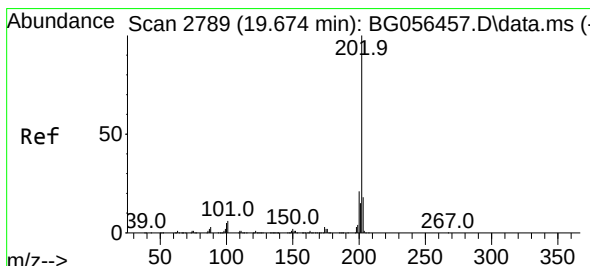
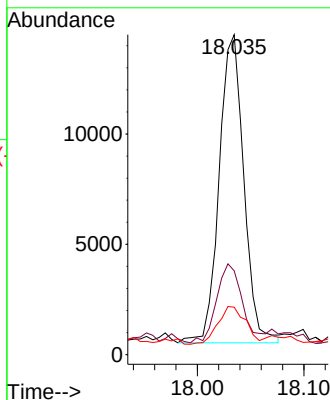
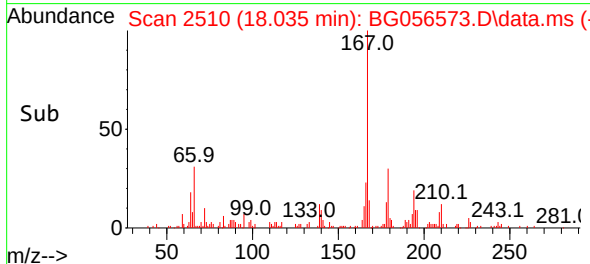
Instrument :
 BNA_G
 ClientSampleId :
 COMP-1



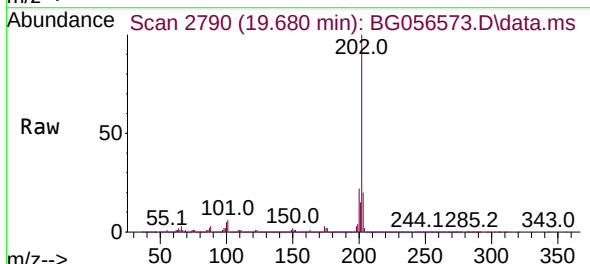
Tgt Ion:167 Resp: 22510
 Ion Ratio Lower Upper
 167 100
 166 26.2 17.8 26.6
 139 14.8 8.9 13.3

Manual Integrations
 APPROVED

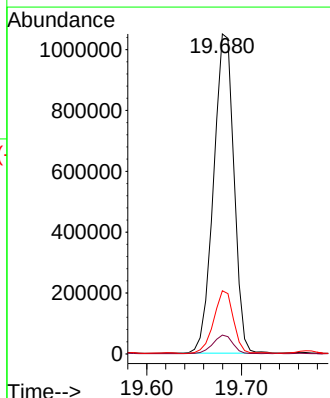
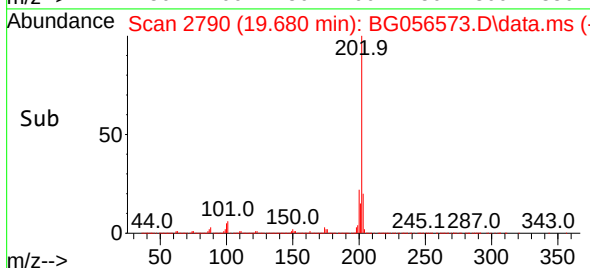
Reviewed By :Christian Giraldo 02/08/2023
 Supervised By :Jagrut Upadhyay 02/08/2023

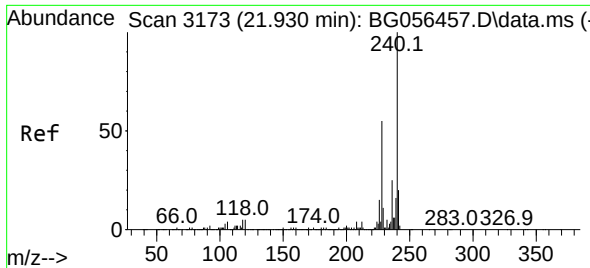


#75
 Fluoranthene
 Concen: 99.336 ng
 RT: 19.680 min Scan# 2790
 Delta R.T. 0.012 min
 Lab File: BG056573.D
 Acq: 7 Feb 2023 18:43



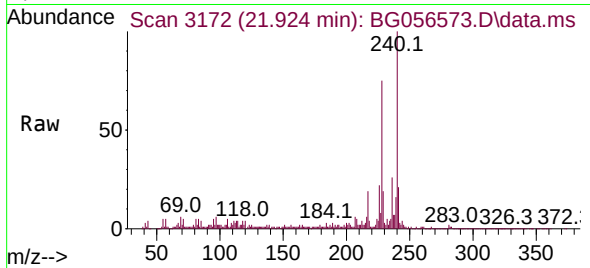
Tgt Ion:202 Resp: 1566822
 Ion Ratio Lower Upper
 202 100
 101 5.9 0.0 25.6
 203 19.7 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.924 min Scan# 3172
Delta R.T. 0.000 min
Lab File: BG056573.D
Acq: 7 Feb 2023 18:43

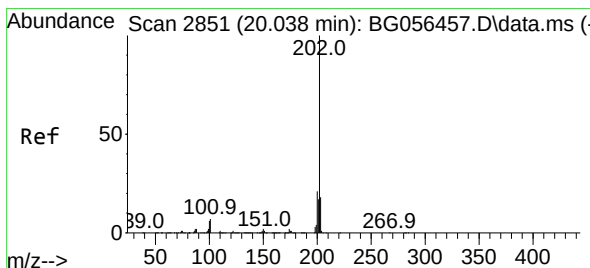
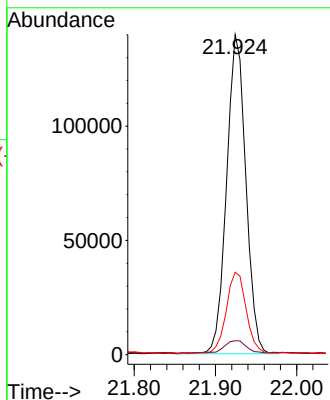
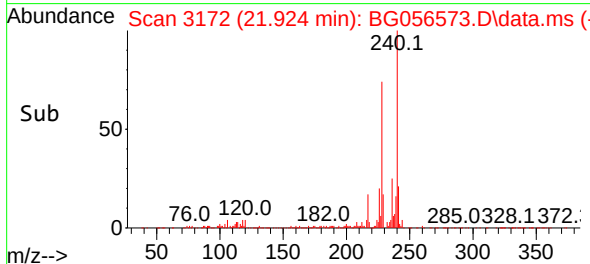
Instrument :
BNA_G
ClientSampleId :
COMP-1



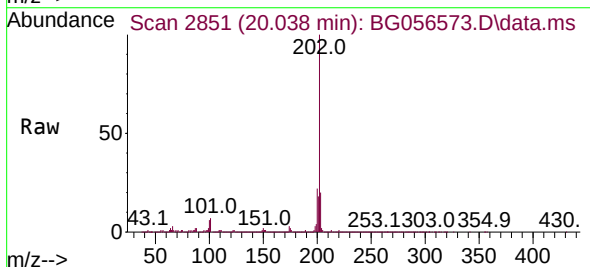
Tgt Ion:240 Resp: 229852
Ion Ratio Lower Upper
240 100
120 4.3 3.8 5.8
236 25.7 20.2 30.2

Manual Integrations
APPROVED

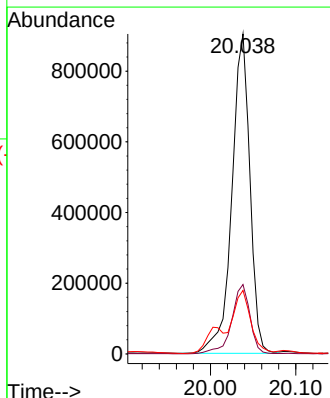
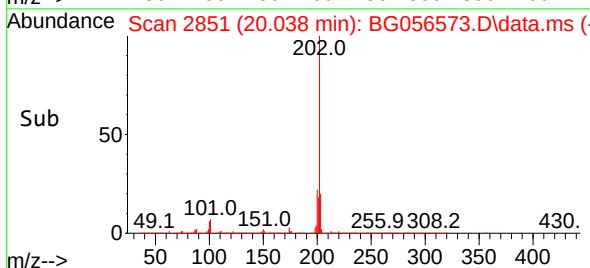
Reviewed By :Christian Giraldo 02/08/2023
Supervised By :Jagrut Upadhyay 02/08/2023

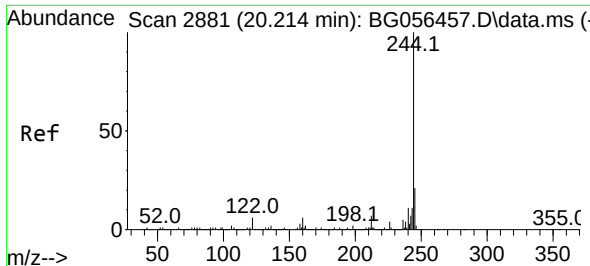


#78
Pyrene
Concen: 81.165 ng
RT: 20.038 min Scan# 2851
Delta R.T. 0.012 min
Lab File: BG056573.D
Acq: 7 Feb 2023 18:43



Tgt Ion:202 Resp: 1326880
Ion Ratio Lower Upper
202 100
200 21.7 16.7 25.1
203 19.8 14.4 21.6





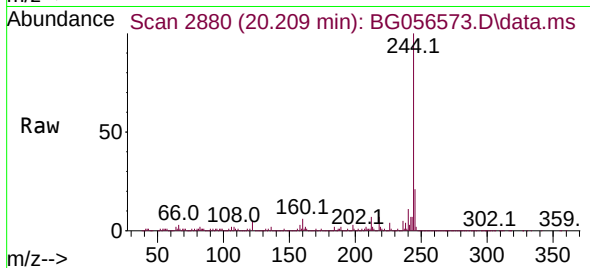
#79
 Terphenyl-d14
 Concen: 77.271 ng
 RT: 20.209 min Scan# 2881
 Delta R.T. 0.000 min
 Lab File: BG056573.D
 Acq: 7 Feb 2023 18:43

Instrument :

BNA_G

ClientSampleId :

COMP-1

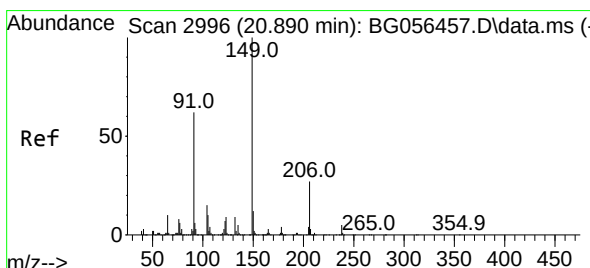
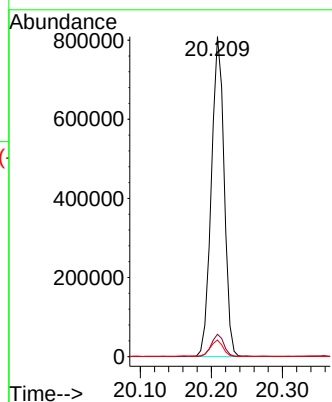
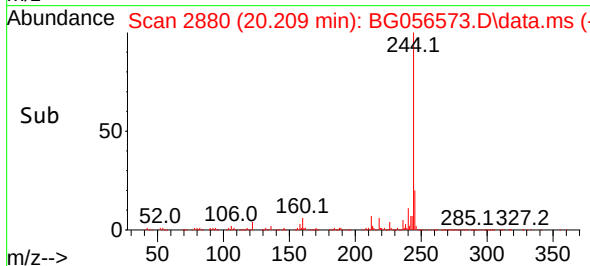


Tgt Ion:244 Resp: 1011249
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.5 8.3
 122 5.2 4.4 6.6

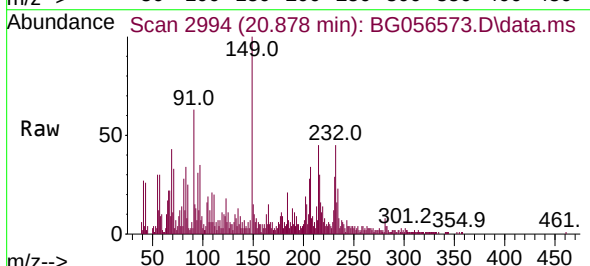
Manual Integrations

APPROVED

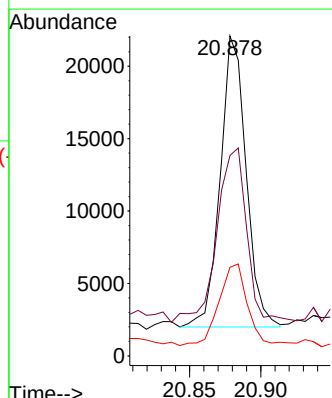
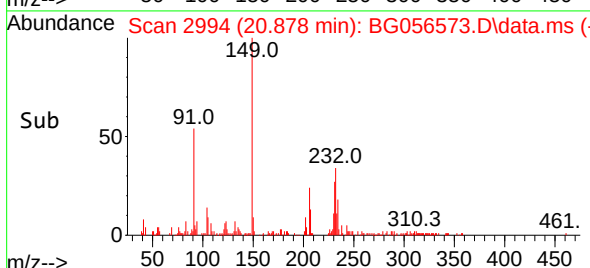
Reviewed By :Christian Giraldo 02/08/2023
 Supervised By :Jagrut Upadhyay 02/08/2023

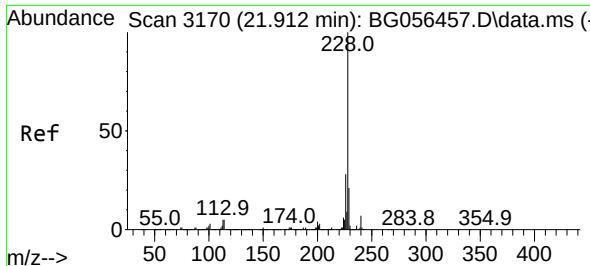


#80
 Butylbenzylphthalate
 Concen: 5.108 ng
 RT: 20.878 min Scan# 2994
 Delta R.T. 0.000 min
 Lab File: BG056573.D
 Acq: 7 Feb 2023 18:43



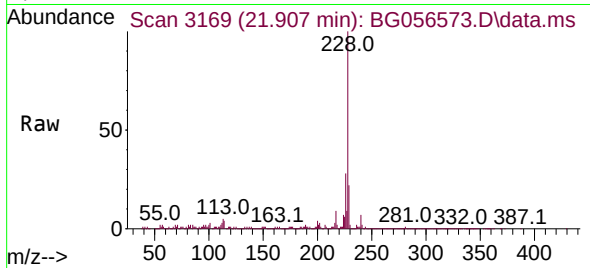
Tgt Ion:149 Resp: 25502
 Ion Ratio Lower Upper
 149 100
 91 62.6 49.4 74.0
 206 27.7 22.0 33.0





#81
Benzo(a)anthracene
Concen: 45.387 ng
RT: 21.907 min Scan# 3170
Delta R.T. 0.006 min
Lab File: BG056573.D
Acq: 7 Feb 2023 18:43

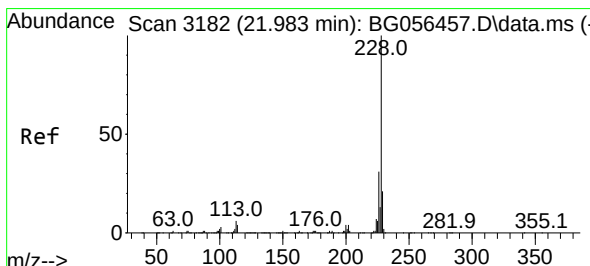
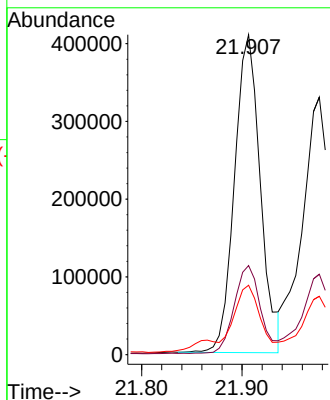
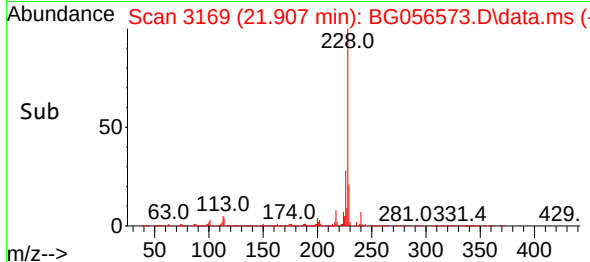
Instrument :
BNA_G
ClientSampleId :
COMP-1



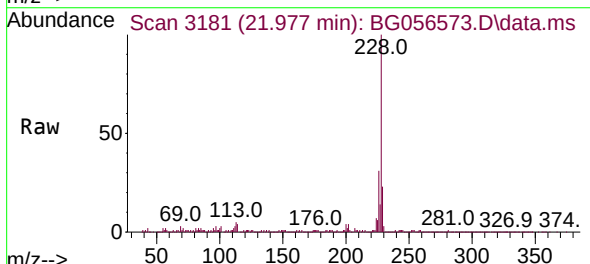
Tgt Ion:228 Resp: 729352
Ion Ratio Lower Upper
228 100
226 27.8 22.4 33.6
229 21.7 16.5 24.7

Manual Integrations
APPROVED

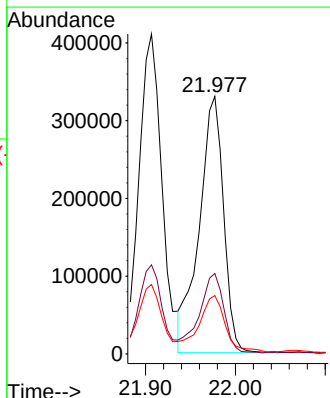
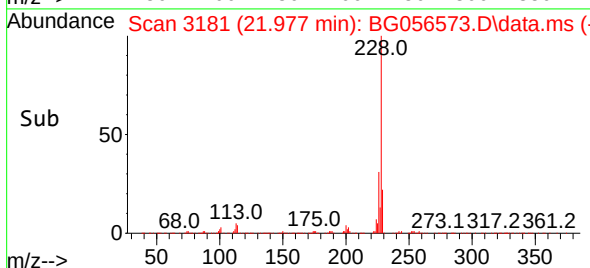
Reviewed By :Christian Giraldo 02/08/2023
Supervised By :Jagrut Upadhyay 02/08/2023

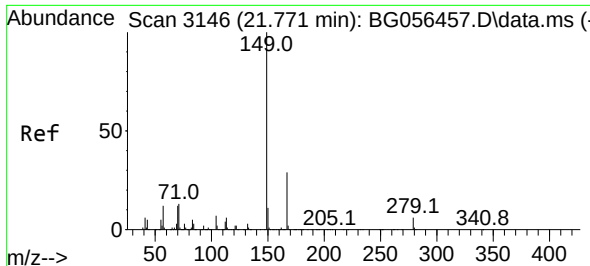


#83
Chrysene
Concen: 41.265 ng
RT: 21.977 min Scan# 3181
Delta R.T. 0.006 min
Lab File: BG056573.D
Acq: 7 Feb 2023 18:43



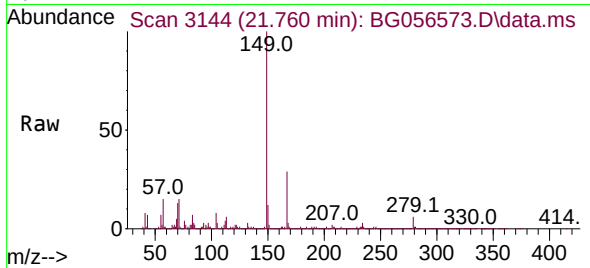
Tgt Ion:228 Resp: 622985
Ion Ratio Lower Upper
228 100
226 31.3 25.0 37.4
229 22.6 16.4 24.6





#84
Bis(2-ethylhexyl)phthalate
Concen: 85.034 ng
RT: 21.760 min Scan# 3144
Delta R.T. 0.006 min
Lab File: BG056573.D
Acq: 7 Feb 2023 18:43

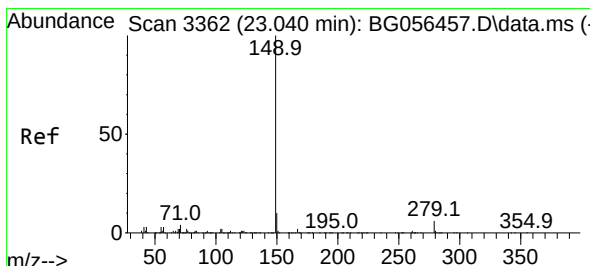
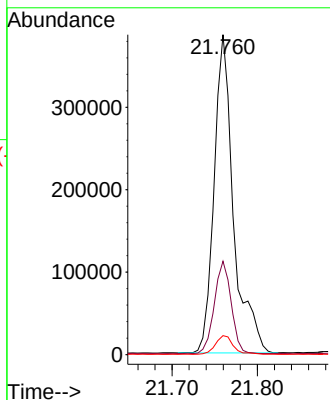
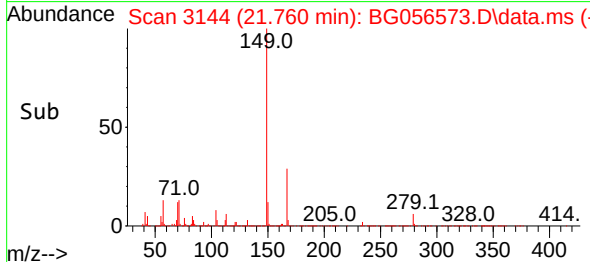
Instrument :
BNA_G
ClientSampleId :
COMP-1



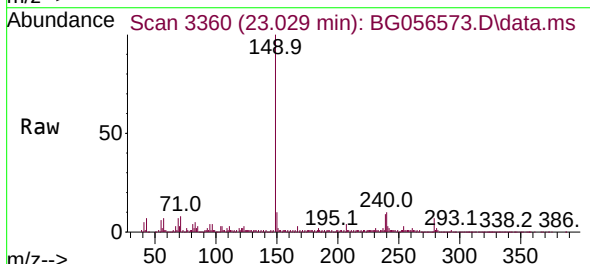
Tgt Ion:149 Resp: 608684
Ion Ratio Lower Upper
149 100
167 29.2 23.4 35.2
279 6.0 4.4 6.6

Manual Integrations
APPROVED

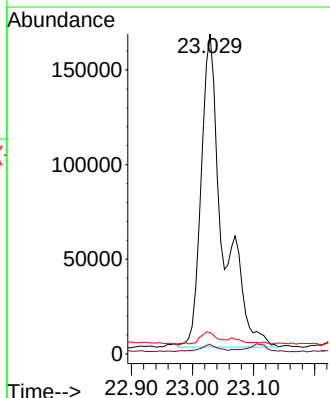
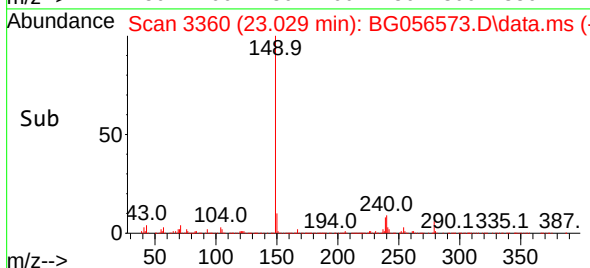
Reviewed By :Christian Giraldo 02/08/2023
Supervised By :Jagrut Upadhyay 02/08/2023

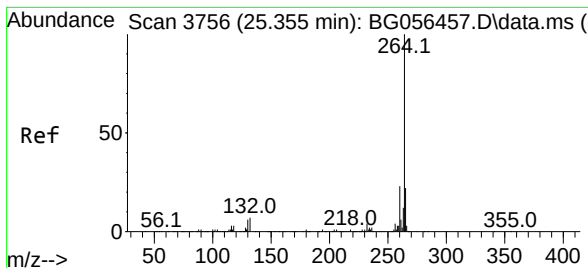


#85
Di-n-octyl phthalate
Concen: 34.546 ng m
RT: 23.029 min Scan# 3360
Delta R.T. 0.006 min
Lab File: BG056573.D
Acq: 7 Feb 2023 18:43



Tgt Ion:149 Resp: 411821
Ion Ratio Lower Upper
149 100
167 2.0 1.4 2.0
43 3.0 2.7 4.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.355 min Scan# 31

Delta R.T. 0.018 min

Lab File: BG056573.D

Acq: 7 Feb 2023 18:43

Instrument :

BNA_G

ClientSampleId :

COMP-1

Tgt Ion:264 Resp: 252491

Ion Ratio Lower Upper

264 100

260 24.5 18.2 27.4

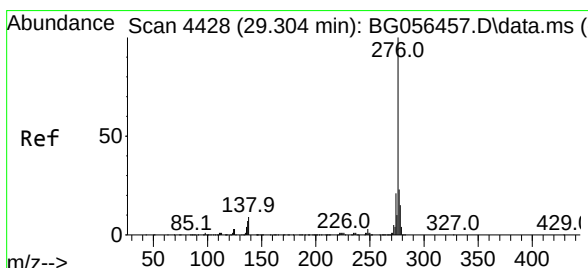
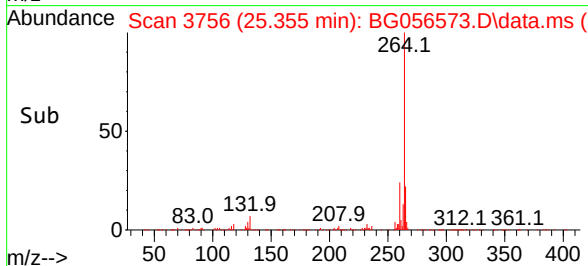
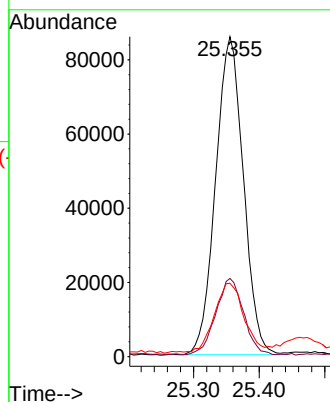
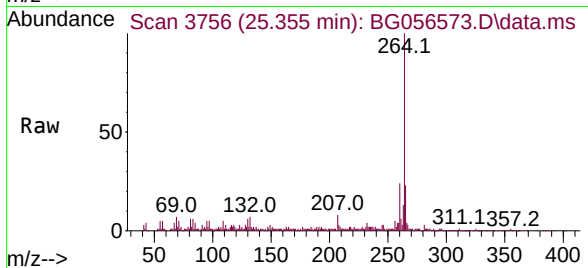
265 22.9 18.1 27.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/08/2023

Supervised By :Jagrut Upadhyay 02/08/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 11.518 ng

RT: 29.292 min Scan# 4426

Delta R.T. 0.006 min

Lab File: BG056573.D

Acq: 7 Feb 2023 18:43

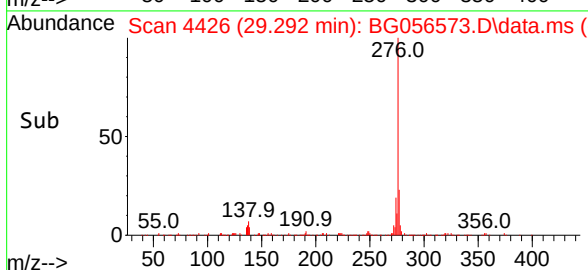
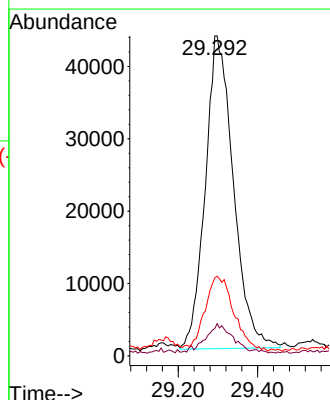
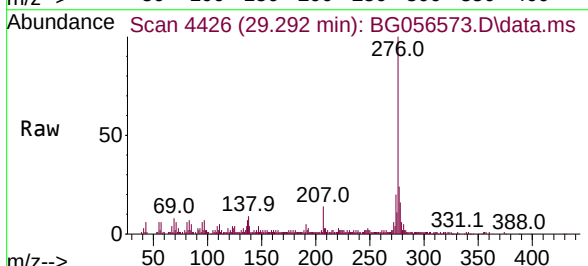
Tgt Ion:276 Resp: 212879

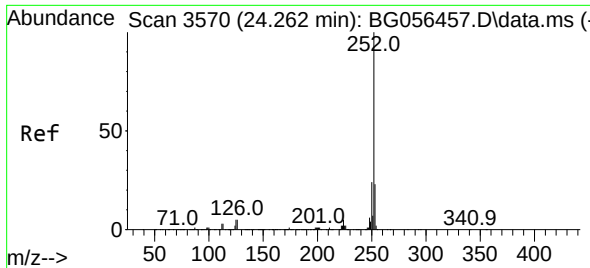
Ion Ratio Lower Upper

276 100

138 7.5 9.4 14.2#

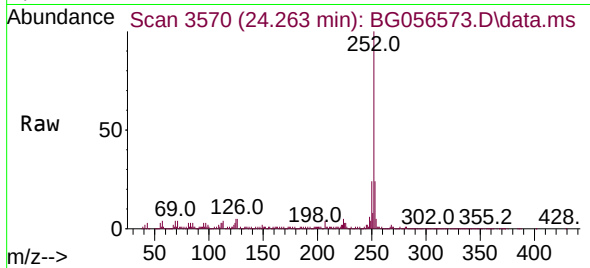
277 24.8 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 41.690 ng
RT: 24.263 min Scan# 3570
Delta R.T. 0.012 min
Lab File: BG056573.D
Acq: 7 Feb 2023 18:43

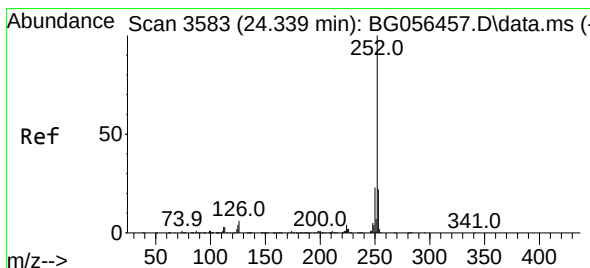
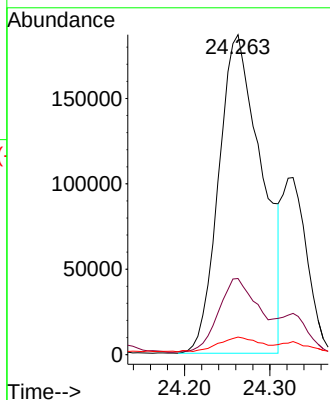
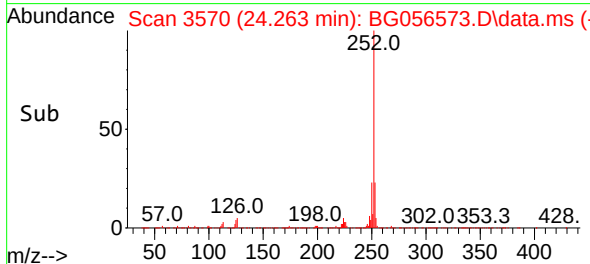
Instrument :
BNA_G
ClientSampleId :
COMP-1



Tgt Ion:252 Resp: 65335
Ion Ratio Lower Upper
252 100
253 23.8 18.1 27.1
125 5.5 3.9 5.9

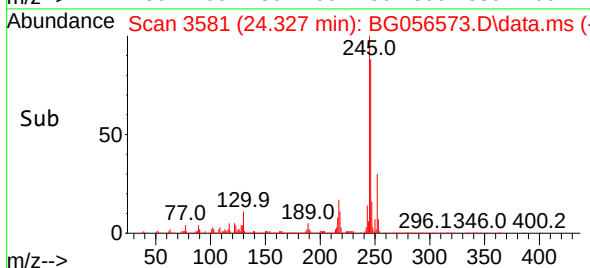
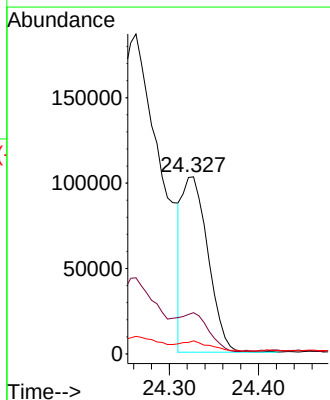
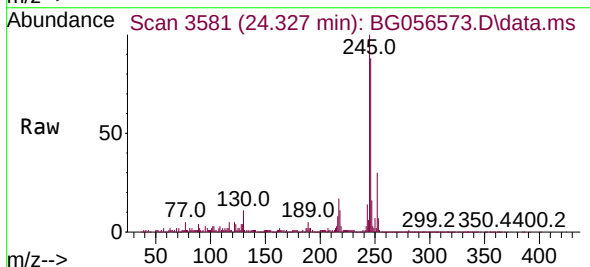
Manual Integrations
APPROVED

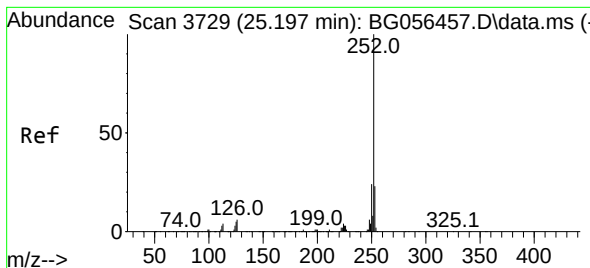
Reviewed By :Christian Giraldo 02/08/2023
Supervised By :Jagrut Upadhyay 02/08/2023



#89
Benzo(k)fluoranthene
Concen: 13.006 ng m
RT: 24.327 min Scan# 3581
Delta R.T. 0.006 min
Lab File: BG056573.D
Acq: 7 Feb 2023 18:43

Tgt Ion:252 Resp: 205793
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 7.4 3.4 5.0#





#90

Benzo(a)pyrene

Concen: 28.309 ng

RT: 25.197 min Scan# 31

Delta R.T. 0.018 min

Lab File: BG056573.D

Acq: 7 Feb 2023 18:43

Instrument :

BNA_G

ClientSampleId :

COMP-1

Tgt Ion:252 Resp: 43702

Ion Ratio Lower Upper

252 100

253 23.2 18.4 27.6

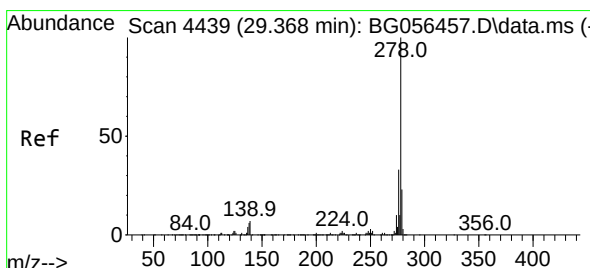
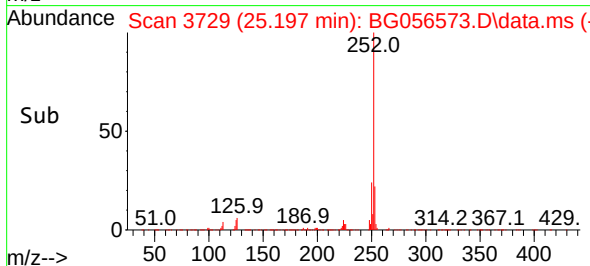
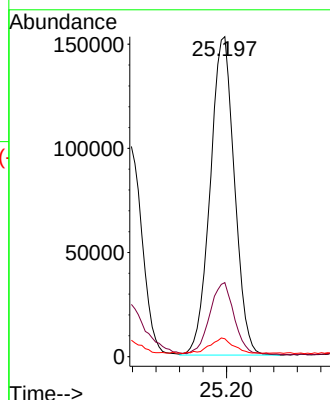
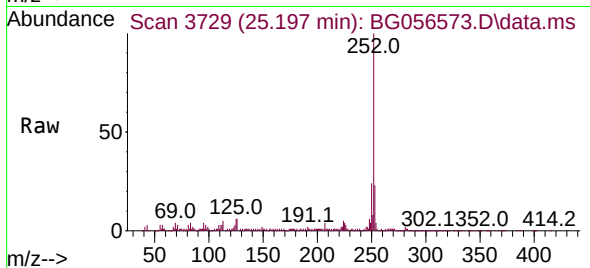
125 5.6 4.1 6.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/08/2023

Supervised By :Jagrut Upadhyay 02/08/2023



#91

Dibenzo(a,h)anthracene

Concen: 4.060 ng

RT: 29.339 min Scan# 4434

Delta R.T. -0.006 min

Lab File: BG056573.D

Acq: 7 Feb 2023 18:43

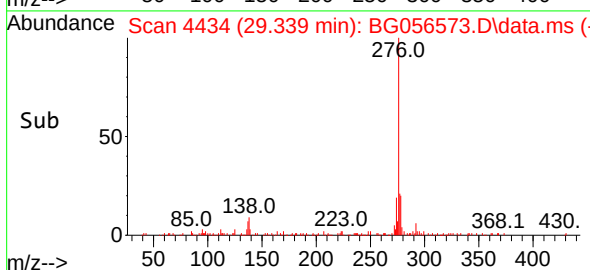
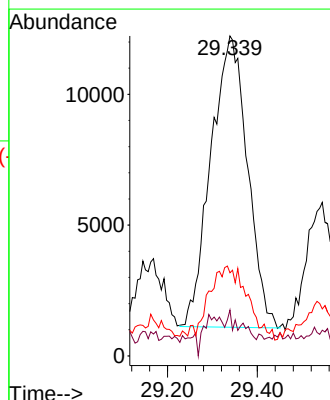
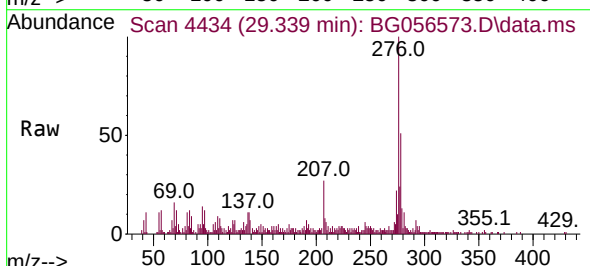
Tgt Ion:278 Resp: 62982

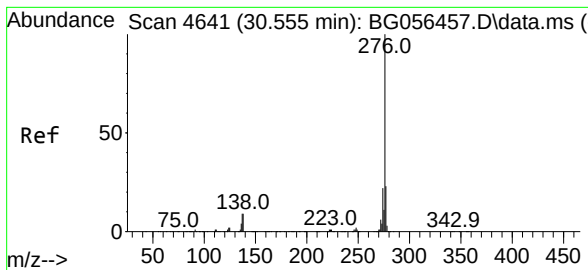
Ion Ratio Lower Upper

278 100

139 14.3 5.5 8.3

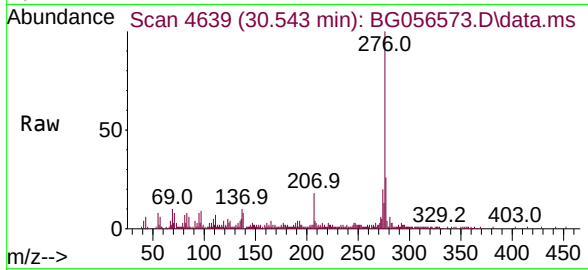
279 26.0 18.8 28.2





#92
 Benzo(g,h,i)perylene
 Concen: 12.688 ng
 RT: 30.543 min Scan# 4639
 Delta R.T. 0.018 min
 Lab File: BG056573.D
 Acq: 7 Feb 2023 18:43

Instrument :
 BNA_G
 ClientSampleId :
 COMP-1



Tgt Ion:276 Resp: 189931
 Ion Ratio Lower Upper
 276 100
 277 26.3 18.5 27.7
 138 8.5 7.4 11.0

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 02/08/2023
 Supervised By :Jagrut Upadhyay 02/08/2023

