

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042623\
 Data File : BG057193.D
 Acq On : 26 Apr 2023 15:24
 Operator : CG/JU
 Sample : 02270-10DL 100X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-27-0-2-20230411DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/27/2023
 Supervised By : Jagrut Upadhyay 04/27/2023

Quant Time: Apr 27 03:06:20 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 27 03:02:41 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.383	152	15916	20.000	ng	0.00
21) Naphthalene-d8	11.221	136	64823	20.000	ng	0.00
39) Acenaphthene-d10	14.992	164	48615	20.000	ng	0.00
64) Phenanthrene-d10	17.729	188	125308	20.000	ng	0.00
76) Chrysene-d12	22.047	240	119307	20.000	ng	# 0.00
86) Perylene-d12	25.560	264	125544	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.893	112	572	0.651	ng	0.00
7) Phenol-d6	7.526	99	973	0.766	ng	0.00
23) Nitrobenzene-d5	9.564	82	510	0.389	ng	0.00
42) 2,4,6-Tribromophenol	16.472	330	369	0.575	ng	0.00
45) 2-Fluorobiphenyl	13.617	172	1804	0.499	ng	0.00
79) Terphenyl-d14	20.297	244	3767	0.552	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	15.057	154	7758	2.735	ng	90
58) Fluorene	16.032	166	8118	2.194	ng	# 94
71) Phenanthrene	17.776	178	111359	17.408	ng	99
72) Anthracene	17.865	178	33361	5.158	ng	99
75) Fluoranthene	19.762	202	278954	35.099	ng	99
78) Pyrene	20.126	202	235893	29.122	ng	99
81) Benzo(a)anthracene	22.024	228	168800	20.578	ng	98
83) Chrysene	22.094	228	151711	19.178	ng	96
87) Indeno(1,2,3-cd)pyrene	29.608	276	72346	8.045	ng	# 95
88) Benzo(b)fluoranthene	24.432	252	198459	25.218	ng	97
89) Benzo(k)fluoranthene	24.503	252	76133m	9.353	ng	
90) Benzo(a)pyrene	25.390	252	134083	17.298	ng	98
91) Dibenzo(a,h)anthracene	29.660	278	23683m	3.172	ng	
92) Benzo(g,h,i)perylene	30.876	276	66086	8.945	ng	# 95

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

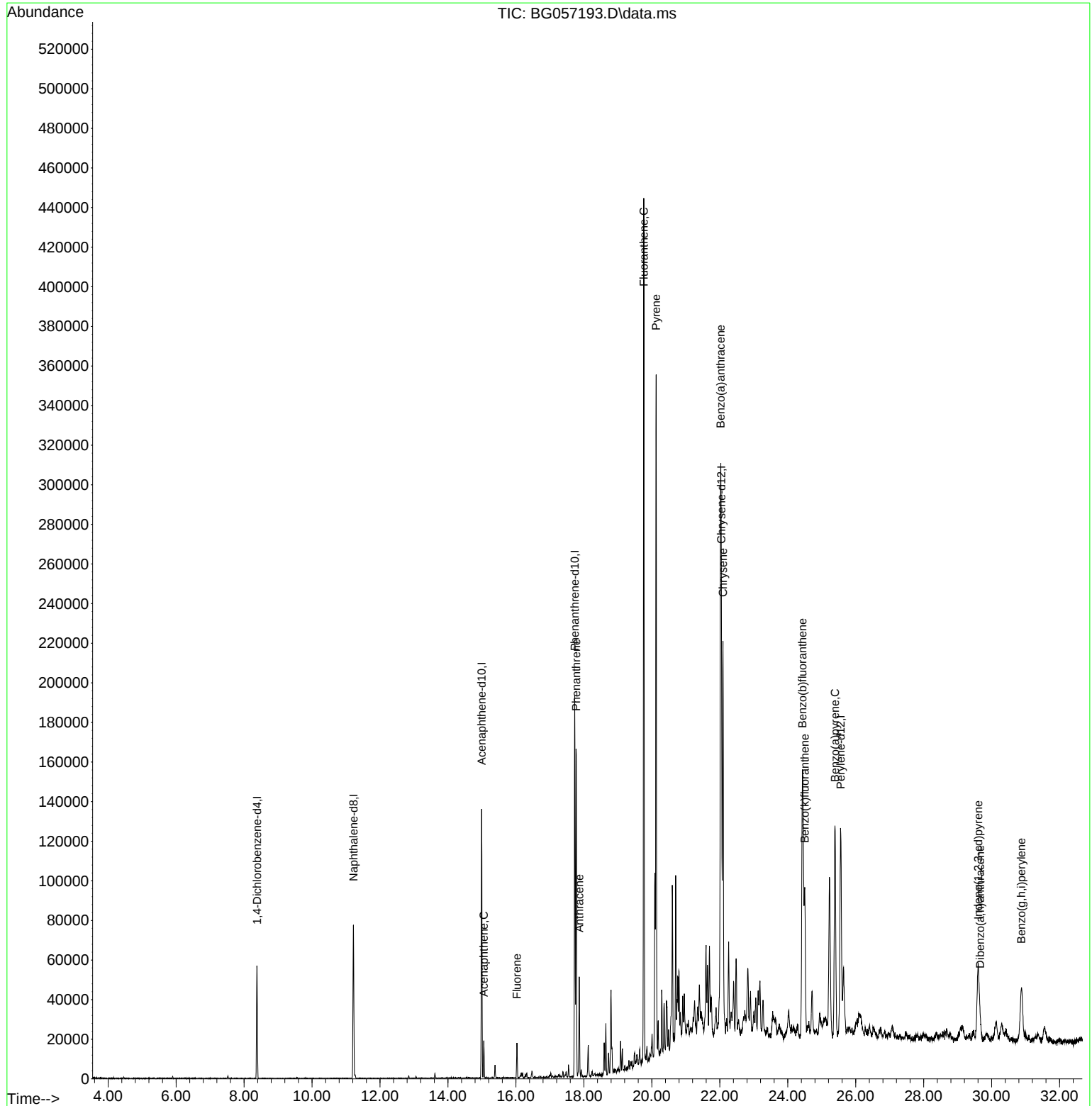
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042623\
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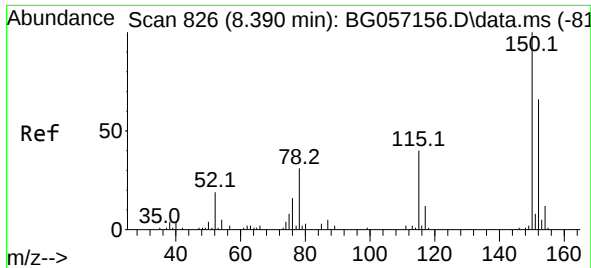
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042423.M
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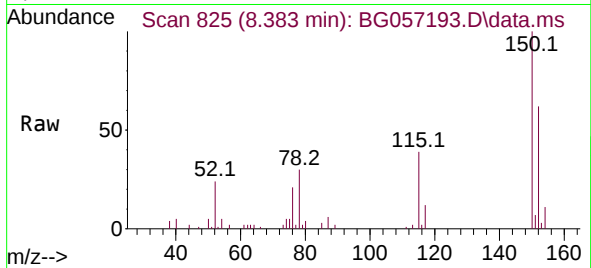
Reviewed By : Christian Giraldo 04/27/2023
Supervised By : Jagrut Upadhyay 04/27/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.383 min Scan# 81
Delta R.T. 0.000 min
Lab File: BG057193.D
Acq: 26 Apr 2023 15:24

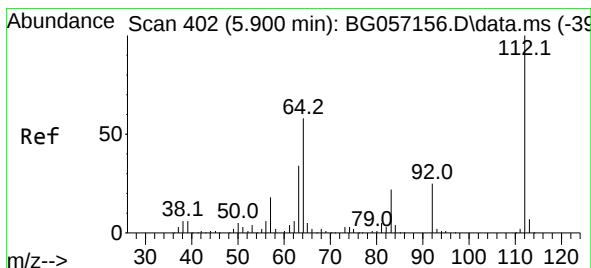
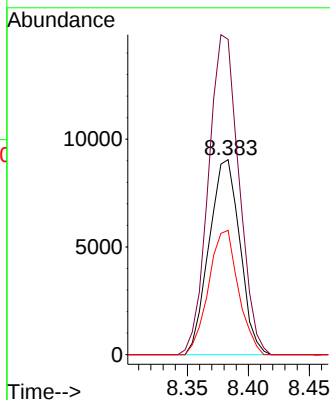
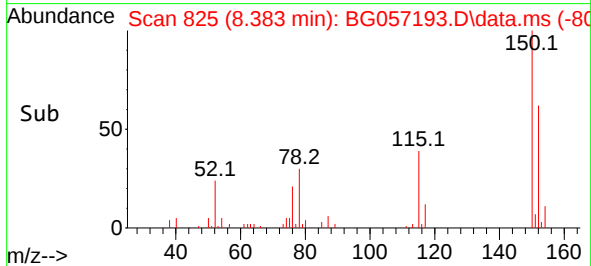
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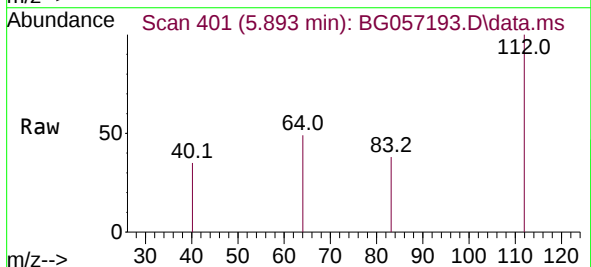
Tgt Ion:152 Resp: 15910
Ion Ratio Lower Upper
152 100
150 161.7 121.4 182.2
115 63.7 48.1 72.1

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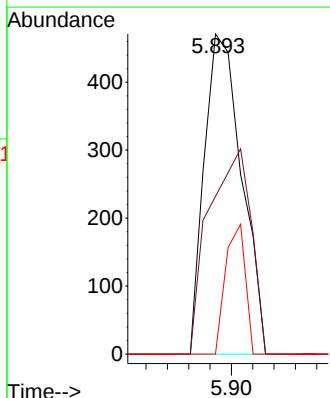
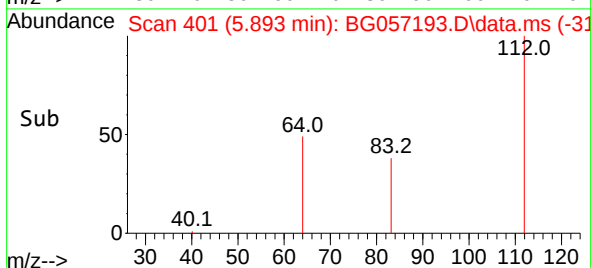
Reviewed By :Christian Giraldo 04/27/2023
Supervised By :Jagrut Upadhyay 04/27/2023

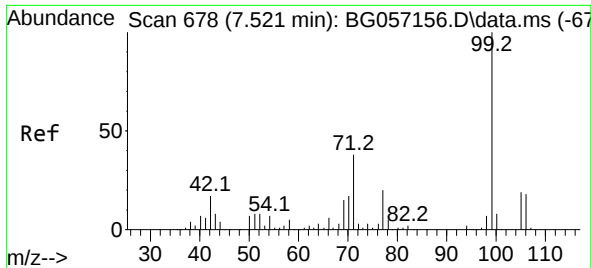


#5
2-Fluorophenol
Concen: 0.651 ng
RT: 5.893 min Scan# 401
Delta R.T. 0.000 min
Lab File: BG057193.D
Acq: 26 Apr 2023 15:24



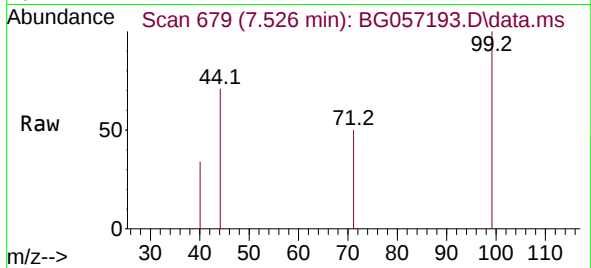
Tgt Ion:112 Resp: 572
Ion Ratio Lower Upper
112 100
64 49.3 46.7 70.1
63 0.0 26.9 40.3#





#7
Phenol-d6
Concen: 0.766 ng
RT: 7.526 min Scan# 61
Delta R.T. 0.006 min
Lab File: BG057193.D
Acq: 26 Apr 2023 15:24

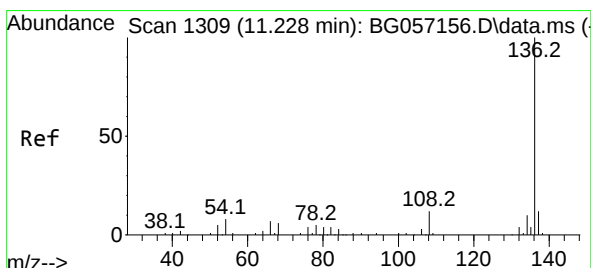
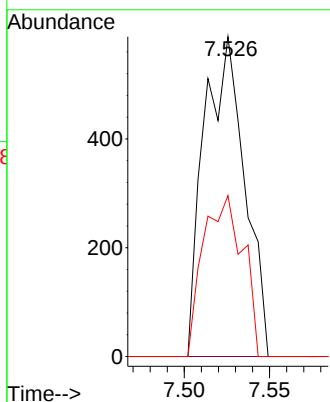
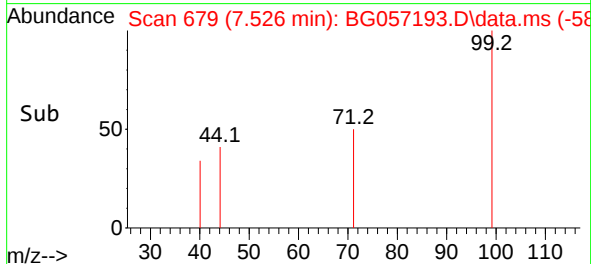
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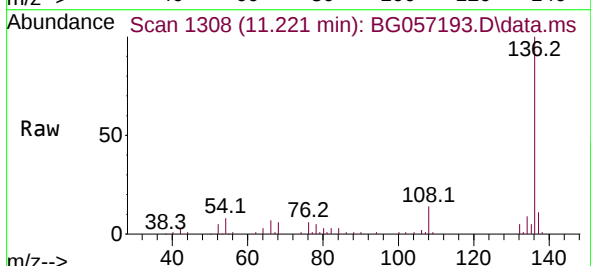
Tgt Ion: 99 Resp: 97
Ion Ratio Lower Upper
99 100
42 0.0 13.4 20.0
71 50.3 30.2 45.2

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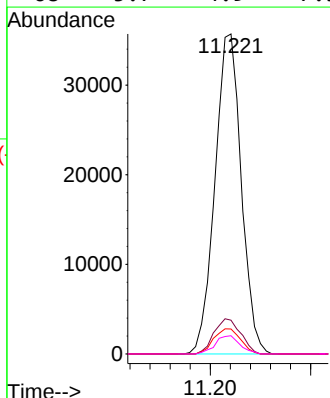
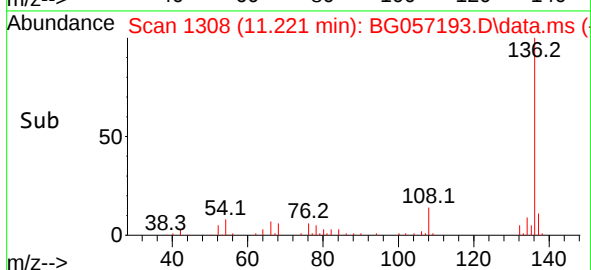
Reviewed By :Christian Giraldo 04/27/2023
Supervised By :Jagrut Upadhyay 04/27/2023

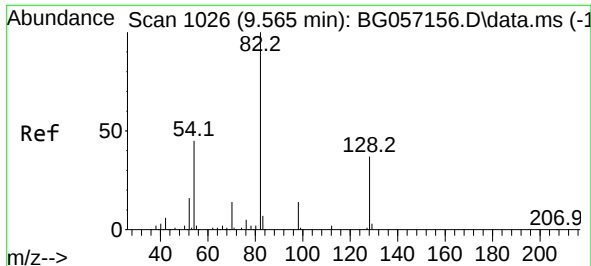


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.221 min Scan# 1308
Delta R.T. 0.000 min
Lab File: BG057193.D
Acq: 26 Apr 2023 15:24



Tgt Ion:136 Resp: 64823
Ion Ratio Lower Upper
136 100
137 10.6 9.5 14.3
54 7.8 6.4 9.6
68 5.7 4.9 7.3





#23

Nitrobenzene-d5

Concen: 0.389 ng

RT: 9.564 min Scan# 1026

Delta R.T. 0.006 min

Lab File: BG057193.D

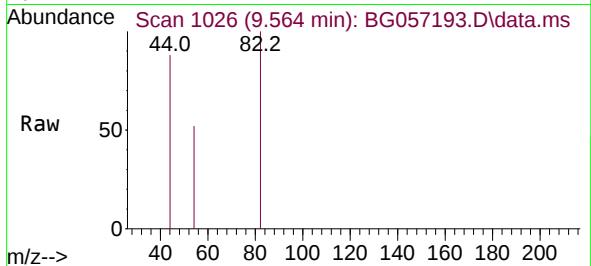
Acq: 26 Apr 2023 15:24

Instrument :

BNA_G

ClientSampleId :

SB-27-0-2-20230411DL

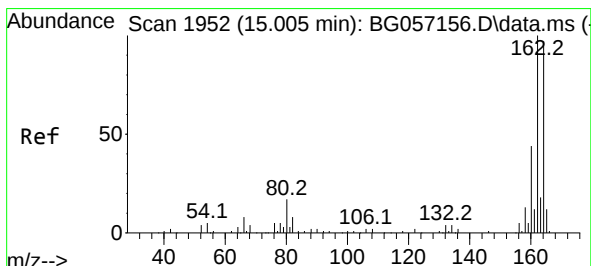
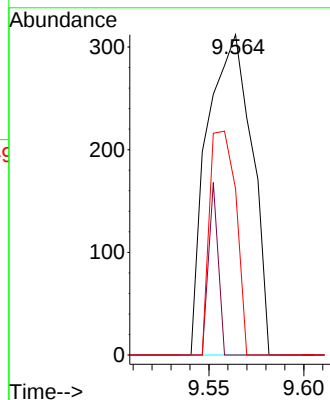
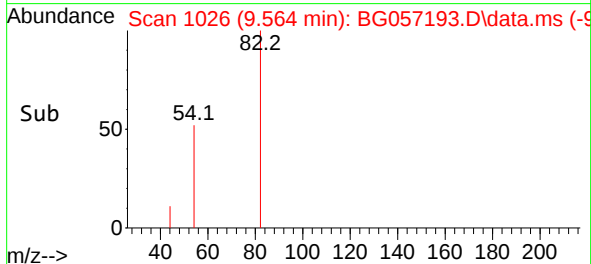


Tgt Ion: 82	Resp: 510
Ion Ratio	Lower Upper
82	100
128	0.0 29.4 44.2
54	51.9 36.2 54.2

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#39

Acenaphthene-d10

Concen: 20.000 ng

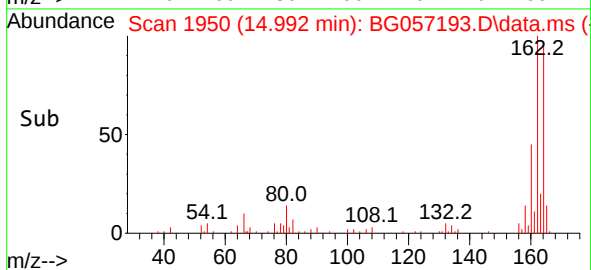
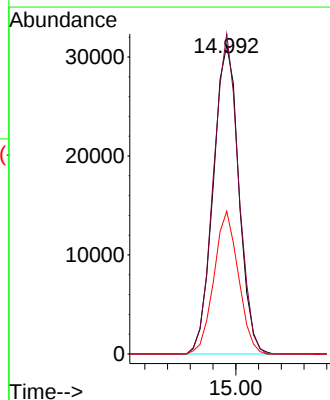
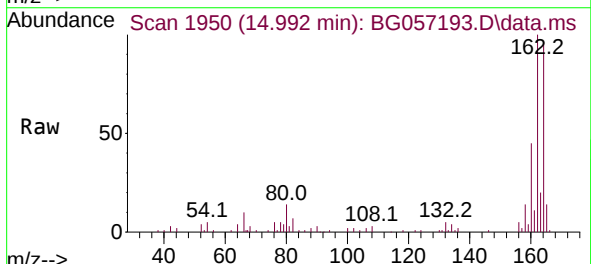
RT: 14.992 min Scan# 1950

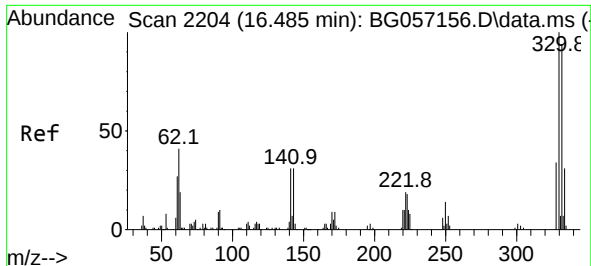
Delta R.T. 0.000 min

Lab File: BG057193.D

Acq: 26 Apr 2023 15:24

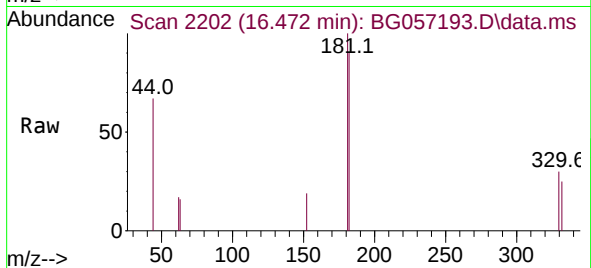
Tgt Ion:164	Resp: 48615
Ion Ratio	Lower Upper
164	100
162	103.6 82.4 123.6
160	46.2 36.2 54.2





#42
2,4,6-Tribromophenol
Concen: 0.575 ng
RT: 16.472 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG057193.D
Acq: 26 Apr 2023 15:24

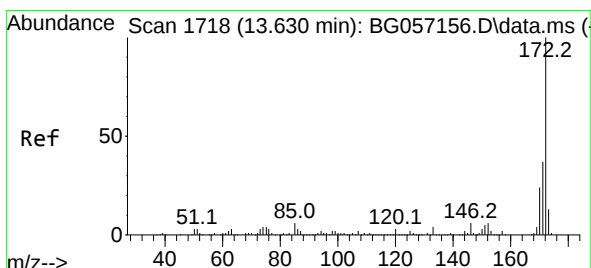
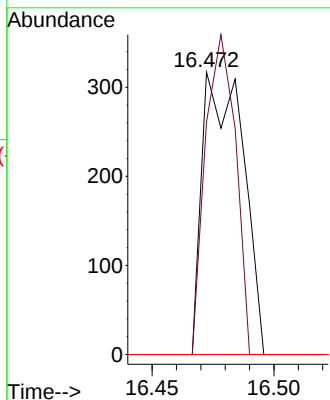
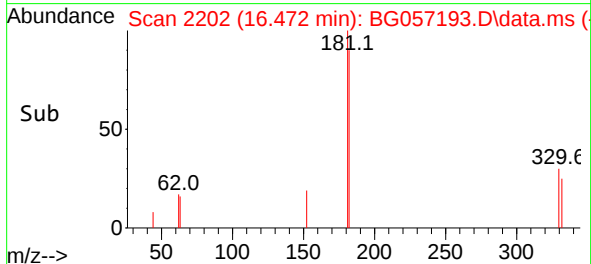
Instrument :
BNA_G
ClientSampleId :
SB-27-0-2-20230411DL



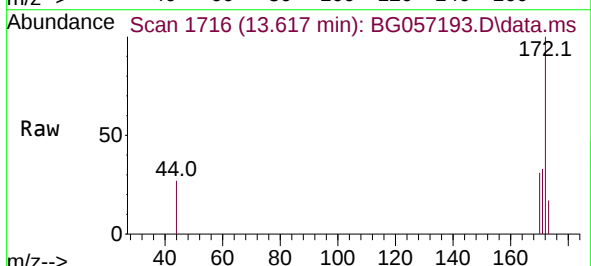
Tgt Ion: 330 Resp: 369
Ion Ratio Lower Upper
330 100
332 83.5 77.6 116.4
141 0.0 26.0 39.0

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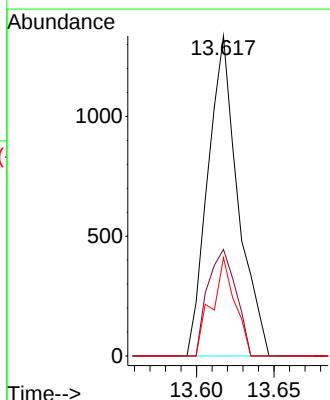
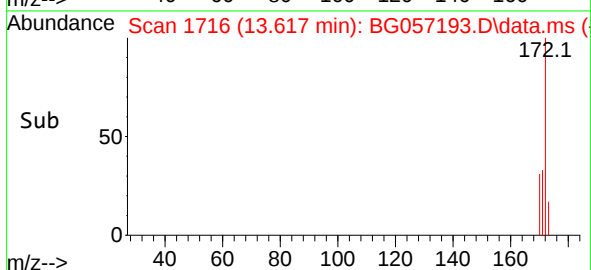
Reviewed By : Christian Giraldo 04/27/2023
Supervised By : Jagrut Upadhyay 04/27/2023

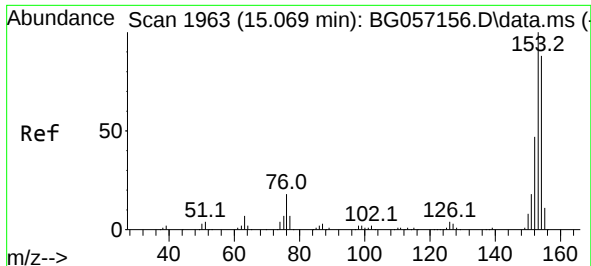


#45
2-Fluorobiphenyl
Concen: 0.499 ng
RT: 13.617 min Scan# 1716
Delta R.T. 0.000 min
Lab File: BG057193.D
Acq: 26 Apr 2023 15:24



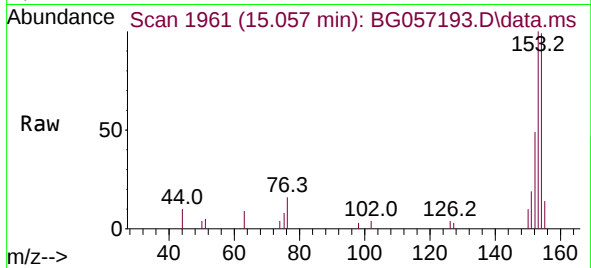
Tgt Ion: 172 Resp: 1804
Ion Ratio Lower Upper
172 100
171 33.3 29.2 43.8
170 30.7 19.4 29.2





#52
Acenaphthene
Concen: 2.735 ng
RT: 15.057 min Scan# 1961
Delta R.T. 0.000 min
Lab File: BG057193.D
Acq: 26 Apr 2023 15:24

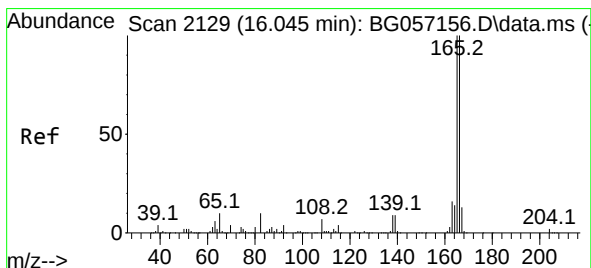
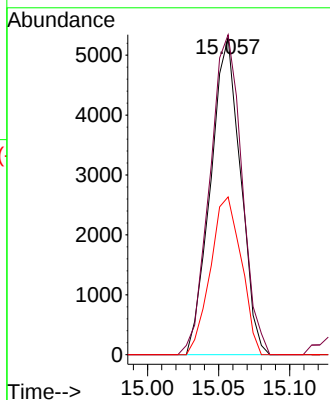
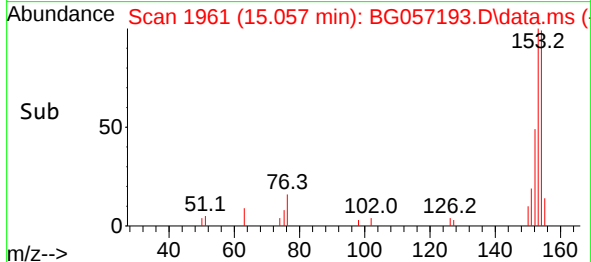
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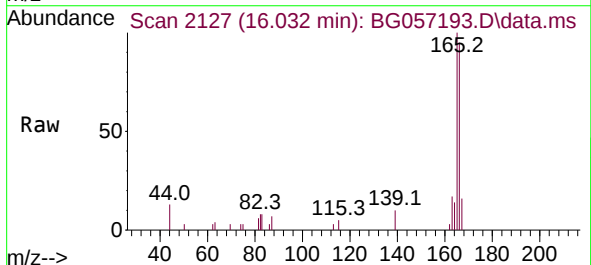
Tgt Ion:154 Resp: 7758
Ion Ratio Lower Upper
154 100
153 100.9 91.0 136.4
152 49.7 43.0 64.6

Manual Integrations
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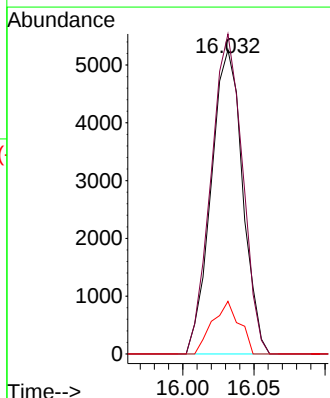
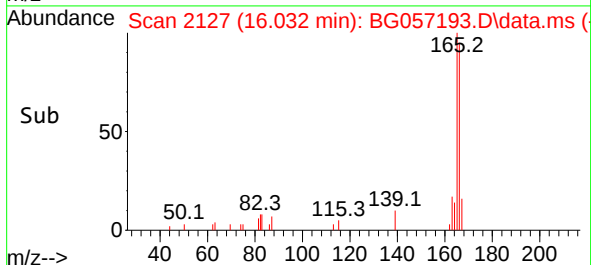
Reviewed By :Christian Giraldo 04/27/2023
Supervised By :Jagrut Upadhyay 04/27/2023

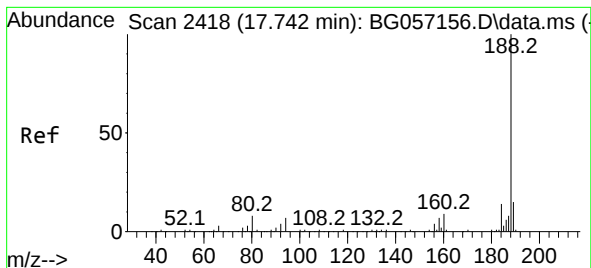


#58
Fluorene
Concen: 2.194 ng
RT: 16.032 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BG057193.D
Acq: 26 Apr 2023 15:24



Tgt Ion:166 Resp: 8118
Ion Ratio Lower Upper
166 100
165 105.3 79.8 119.6
167 17.3 10.7 16.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.729 min Scan# 2416

Delta R.T. -0.006 min

Lab File: BG057193.D

Acq: 26 Apr 2023 15:24

Instrument :

BNA_G

ClientSampleId :

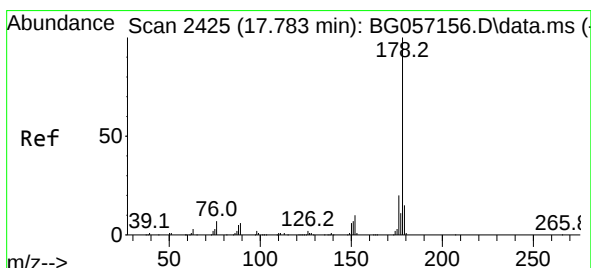
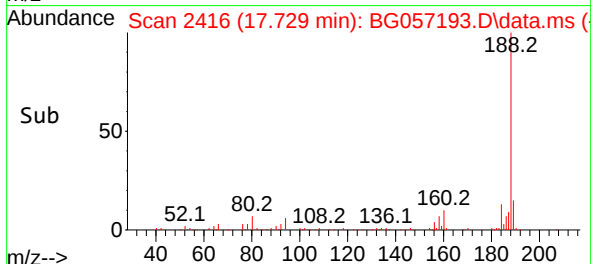
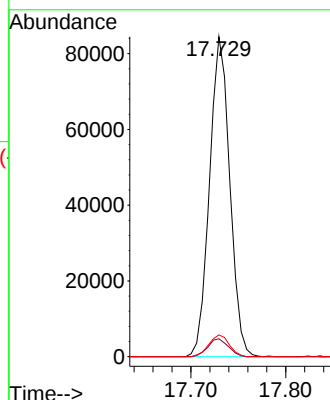
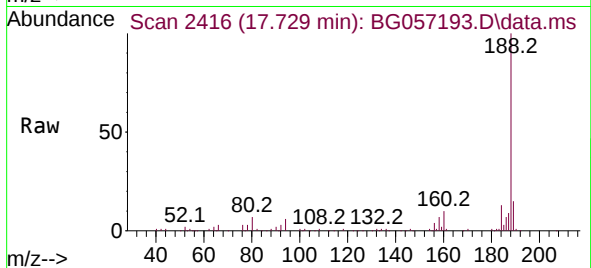
SB-27-0-2-20230411DL

Tgt Ion:188 Resp: 125308
 Ion Ratio Lower Upper
 188 100
 94 5.6 5.4 8.0
 80 6.8 6.2 9.2

Manual Integrations

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 Supervised By :Jagrut Upadhyay 04/27/2023



#71

Phenanthrene

Concen: 17.408 ng

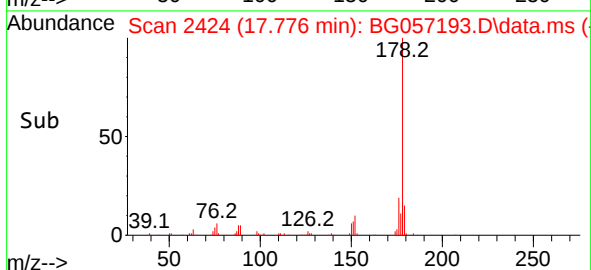
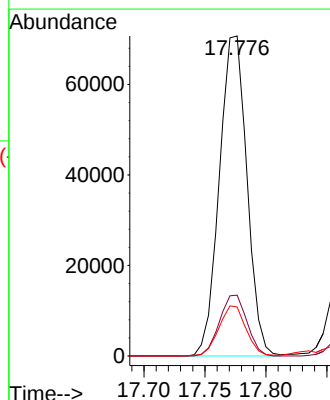
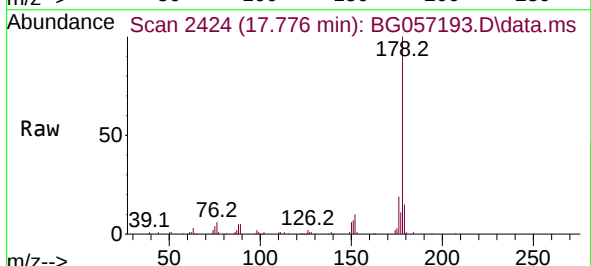
RT: 17.776 min Scan# 2424

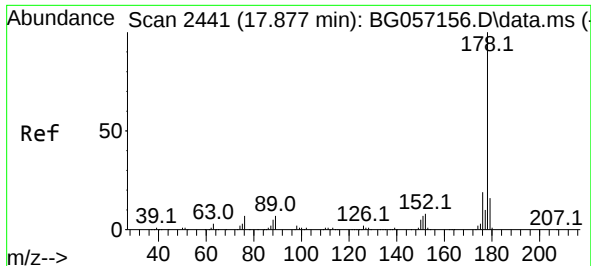
Delta R.T. 0.000 min

Lab File: BG057193.D

Acq: 26 Apr 2023 15:24

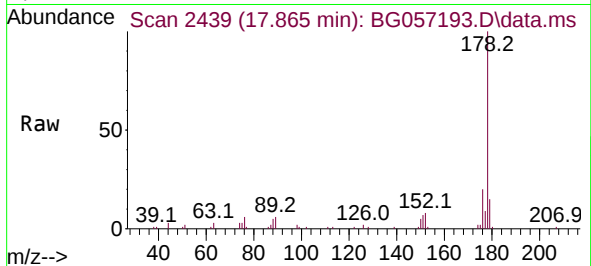
Tgt Ion:178 Resp: 111359
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.6 23.4
 179 15.3 12.4 18.6





#72
 Anthracene
 Concen: 5.158 ng
 RT: 17.865 min Scan# 2441
 Delta R.T. 0.000 min
 Lab File: BG057193.D
 Acq: 26 Apr 2023 15:24

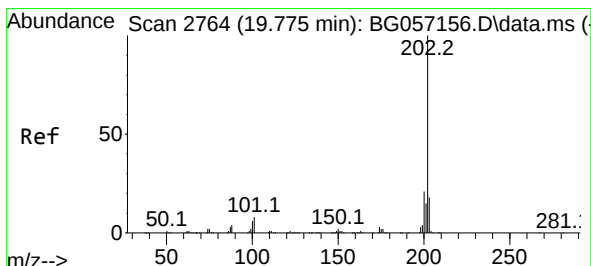
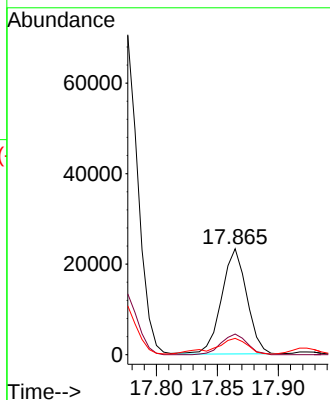
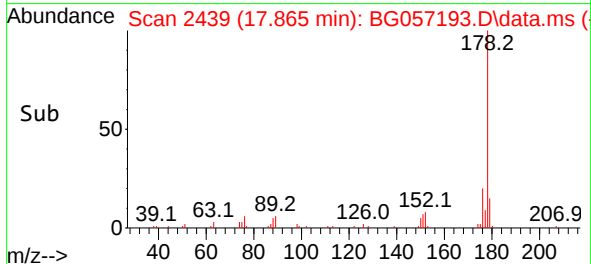
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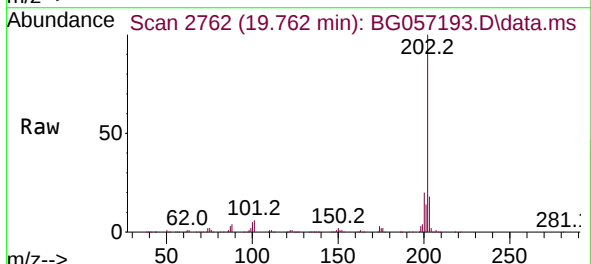
Tgt Ion:178 Resp: 3336
 Ion Ratio Lower Upper
 178 100
 176 19.5 14.9 22.3
 179 15.4 12.5 18.7

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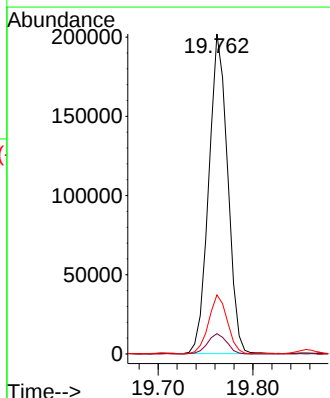
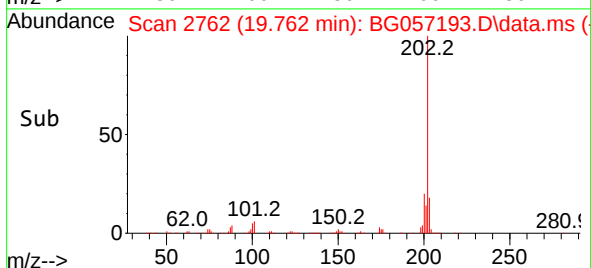
Reviewed By :Christian Giraldo 04/27/2023
 Supervised By :Jagrut Upadhyay 04/27/2023

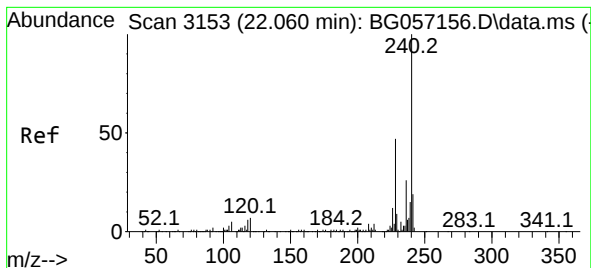


#75
 Fluoranthene
 Concen: 35.099 ng
 RT: 19.762 min Scan# 2762
 Delta R.T. -0.006 min
 Lab File: BG057193.D
 Acq: 26 Apr 2023 15:24



Tgt Ion:202 Resp: 278954
 Ion Ratio Lower Upper
 202 100
 101 6.3 0.0 27.6
 203 18.5 0.0 38.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.047 min Scan# 3151

Delta R.T. 0.000 min

Lab File: BG057193.D

Acq: 26 Apr 2023 15:24

Instrument :

BNA_G

ClientSampleId :

SB-27-0-2-20230411DL

Tgt Ion:240 Resp: 11930

Ion Ratio Lower Upper

240 100

120 5.1 5.5 8.3

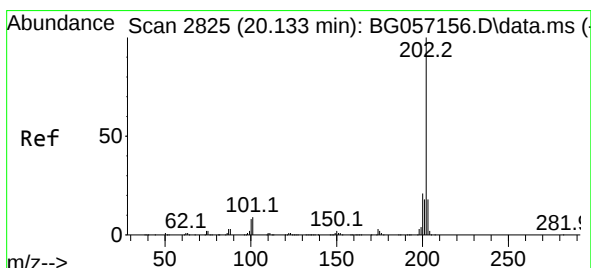
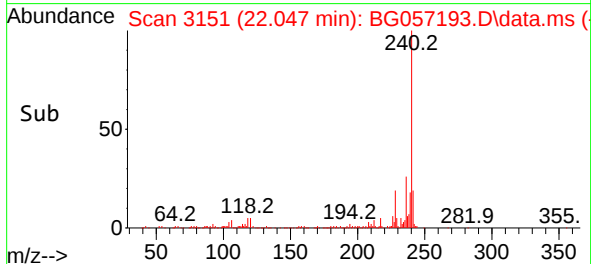
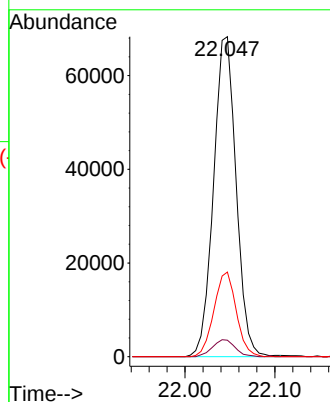
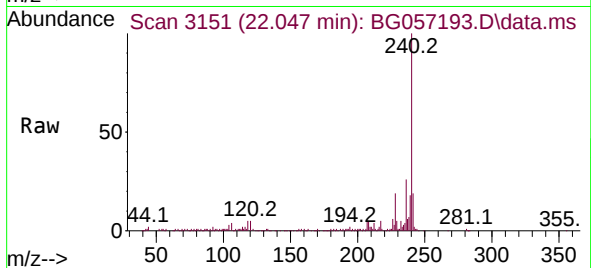
236 26.4 20.8 31.2

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Reviewed By :Christian Giraldo 04/27/2023

Supervised By :Jagrut Upadhyay 04/27/2023



#78

Pyrene

Concen: 29.122 ng

RT: 20.126 min Scan# 2824

Delta R.T. 0.000 min

Lab File: BG057193.D

Acq: 26 Apr 2023 15:24

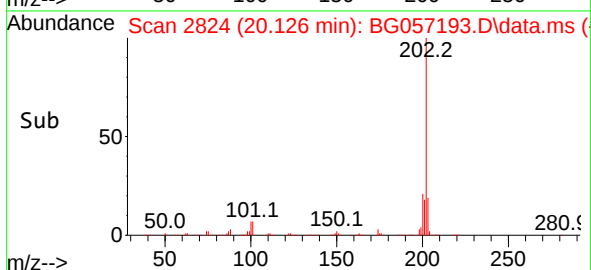
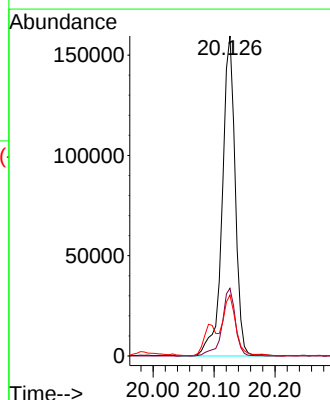
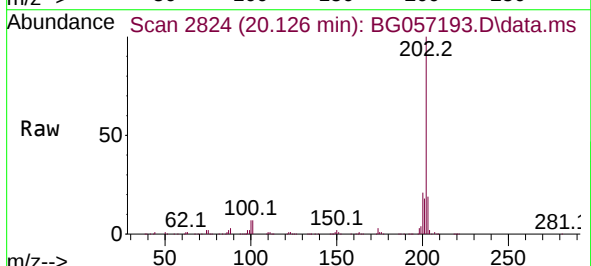
Tgt Ion:202 Resp: 235893

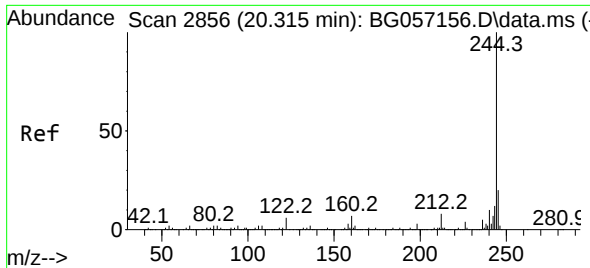
Ion Ratio Lower Upper

202 100

200 21.1 17.0 25.4

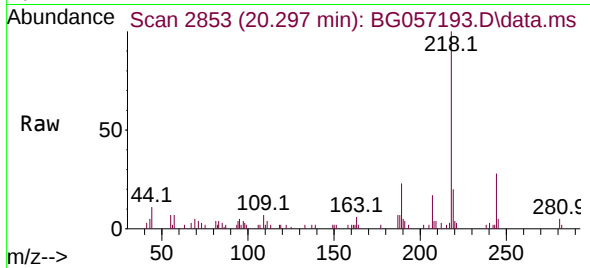
203 19.1 14.7 22.1





#79
 Terphenyl-d14
 Concen: 0.552 ng
 RT: 20.297 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG057193.D
 Acq: 26 Apr 2023 15:24

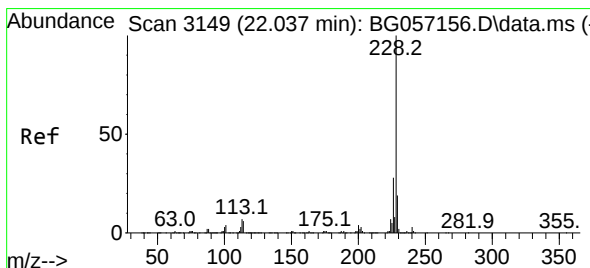
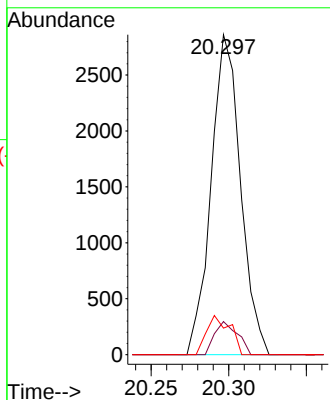
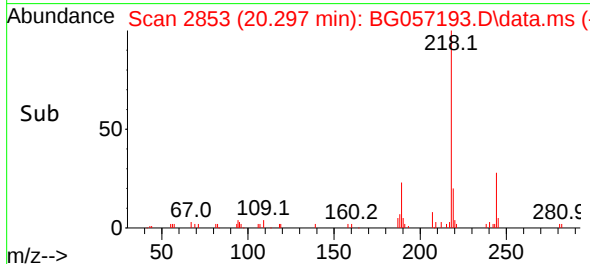
Instrument :
 BNA_G
 ClientSampleId :
 SB-27-0-2-20230411DL



Tgt Ion:244 Resp: 376
 Ion Ratio Lower Upper
 244 100
 212 10.3 6.0 9.0
 122 8.3 5.0 7.4

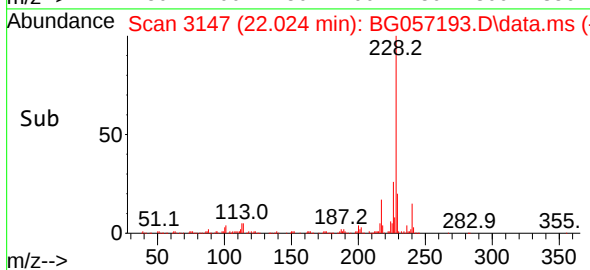
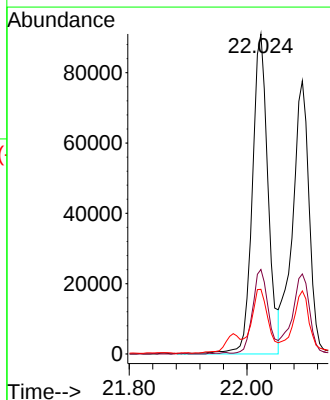
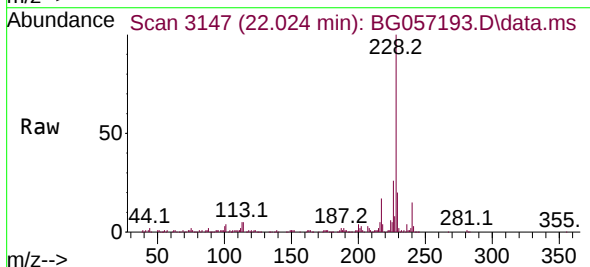
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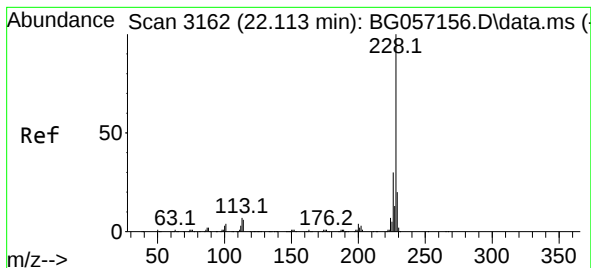
Reviewed By :Christian Giraldo 04/27/2023
 Supervised By :Jagrut Upadhyay 04/27/2023



#81
 Benzo(a)anthracene
 Concen: 20.578 ng
 RT: 22.024 min Scan# 3147
 Delta R.T. 0.000 min
 Lab File: BG057193.D
 Acq: 26 Apr 2023 15:24

Tgt Ion:228 Resp: 168800
 Ion Ratio Lower Upper
 228 100
 226 26.4 22.2 33.4
 229 20.2 15.6 23.4





#83

Chrysene

Concen: 19.178 ng

RT: 22.094 min Scan# 3162

Delta R.T. -0.006 min

Lab File: BG057193.D

Acq: 26 Apr 2023 15:24

Instrument :

BNA_G

ClientSampleId :

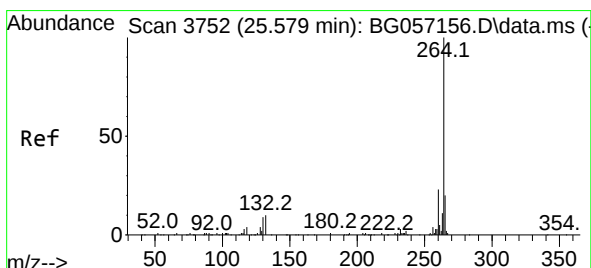
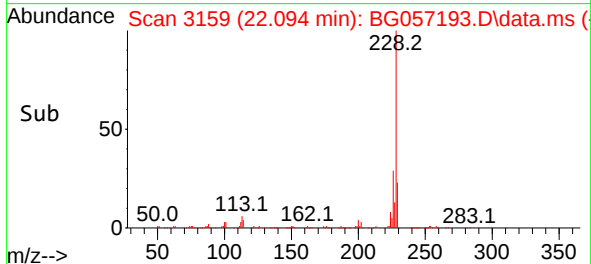
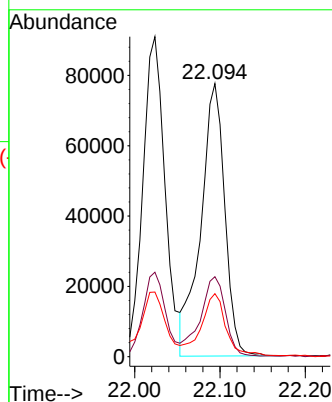
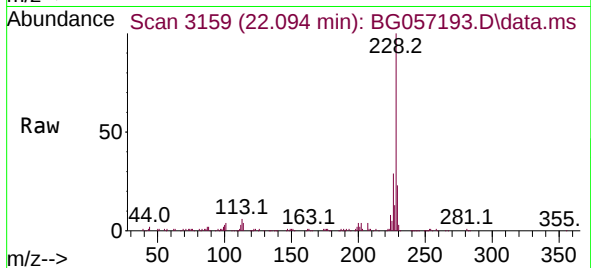
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Tgt Ion:228 Resp: 15171
 Ion Ratio Lower Upper
 228 100
 226 29.3 24.0 36.0
 229 23.1 15.8 23.6

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Reviewed By :Christian Giraldo 04/27/2023
 Supervised By :Jagrut Upadhyay 04/27/2023



#86

Perylene-d12

Concen: 20.000 ng

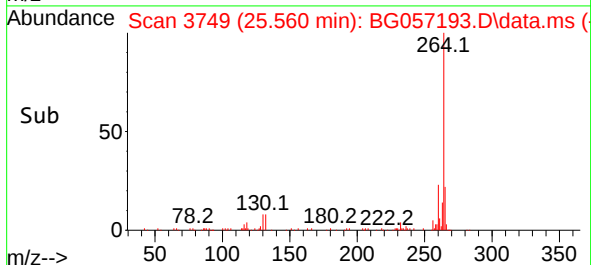
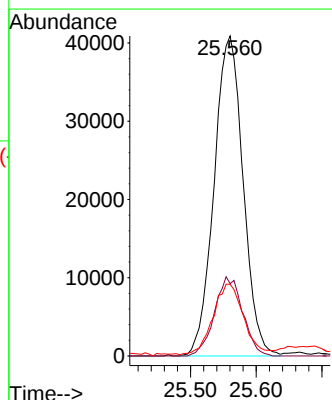
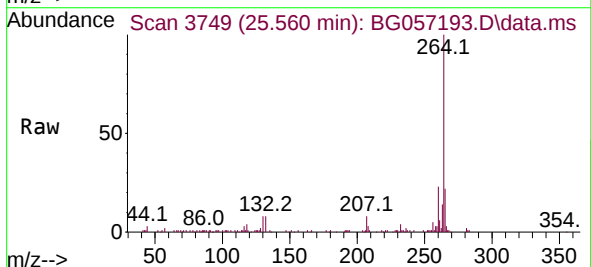
RT: 25.560 min Scan# 3749

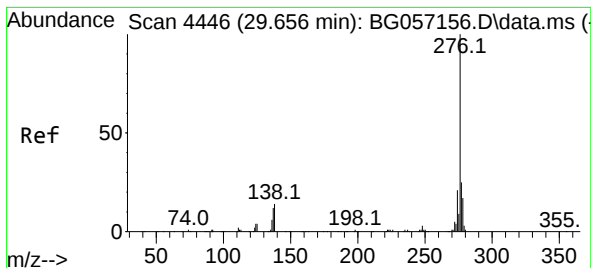
Delta R.T. 0.000 min

Lab File: BG057193.D

Acq: 26 Apr 2023 15:24

Tgt Ion:264 Resp: 125544
 Ion Ratio Lower Upper
 264 100
 260 22.6 18.8 28.2
 265 22.4 16.4 24.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.045 ng

RT: 29.608 min Scan# 4438

Delta R.T. -0.018 min

Lab File: BG057193.D

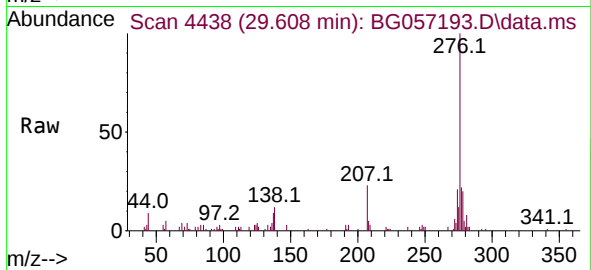
Acq: 26 Apr 2023 15:24

Instrument :

BNA_G

ClientSampleId :

SB-27-0-2-20230411DL



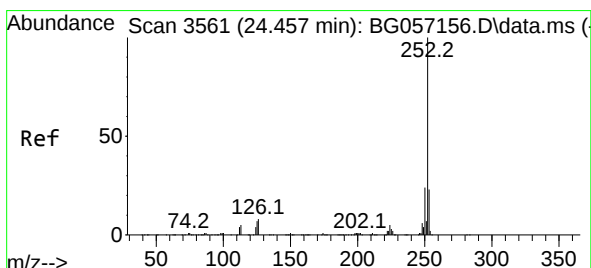
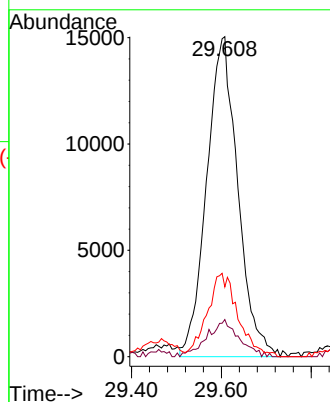
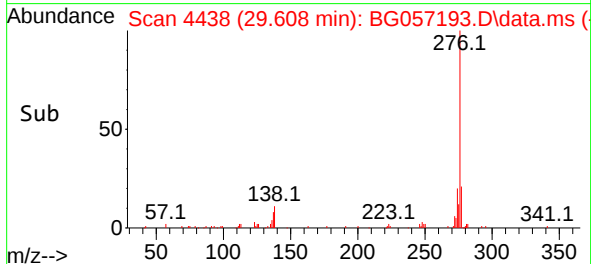
Tgt Ion:	276	Resp:	72340
Ion Ratio	Lower	Upper	
276	100		
138	11.8	13.8	20.6
277	25.8	20.4	30.6

Manual Integrations

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Reviewed By :Christian Giraldo 04/27/2023

Supervised By :Jagrut Upadhyay 04/27/2023



#88

Benzo(b)fluoranthene

Concen: 25.218 ng

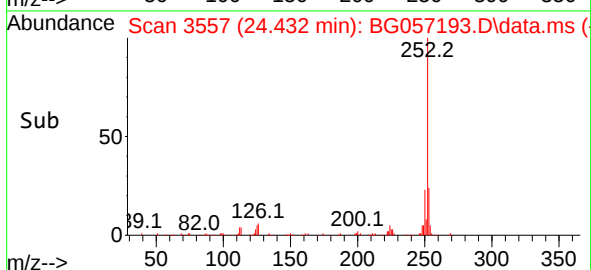
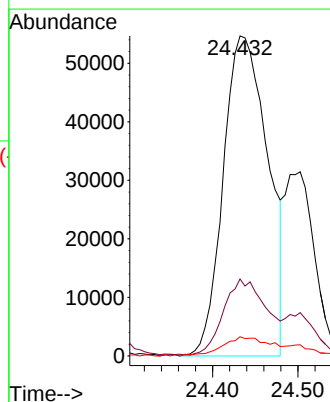
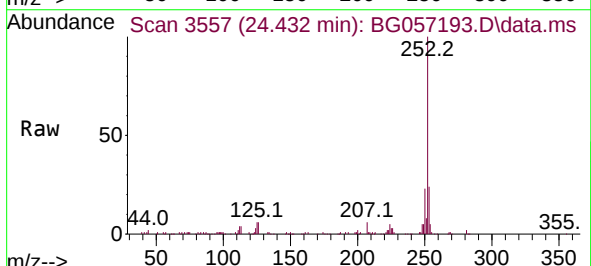
RT: 24.432 min Scan# 3557

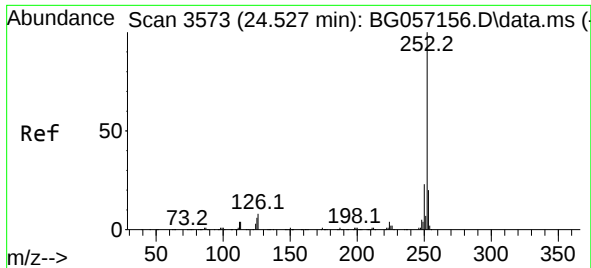
Delta R.T. -0.006 min

Lab File: BG057193.D

Acq: 26 Apr 2023 15:24

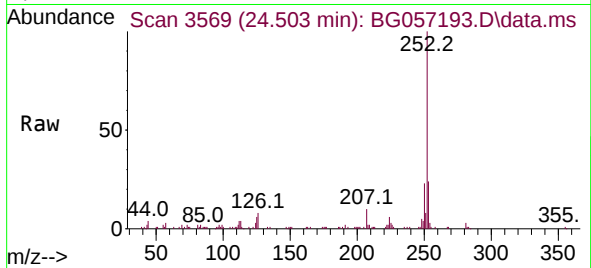
Tgt Ion:	252	Resp:	198459
Ion Ratio	Lower	Upper	
252	100		
253	24.1	18.2	27.2
125	6.0	5.3	7.9





#89
Benzo(k)fluoranthene
Concen: 9.353 ng m
RT: 24.503 min Scan# 3569
Delta R.T. -0.006 min
Lab File: BG057193.D
Acq: 26 Apr 2023 15:24

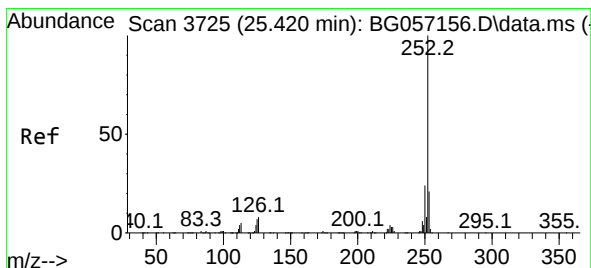
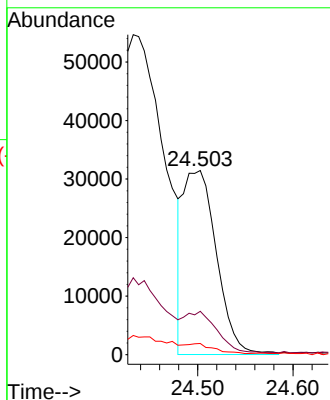
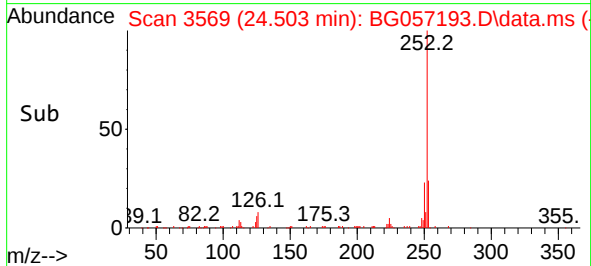
Instrument :
BNA_G
ClientSampleId :
SB-27-0-2-20230411DL



Tgt Ion:252 Resp: 7613
Ion Ratio Lower Upper
252 100
253 23.5 16.7 25.1
125 6.1 5.0 7.6

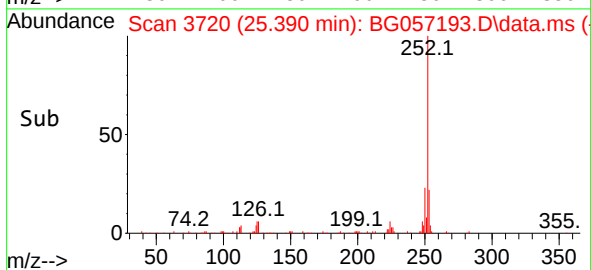
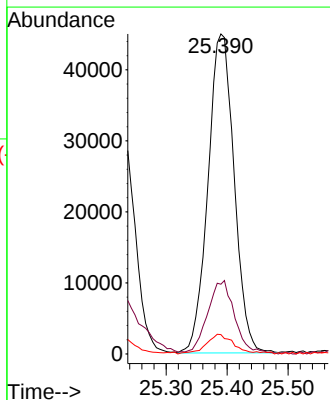
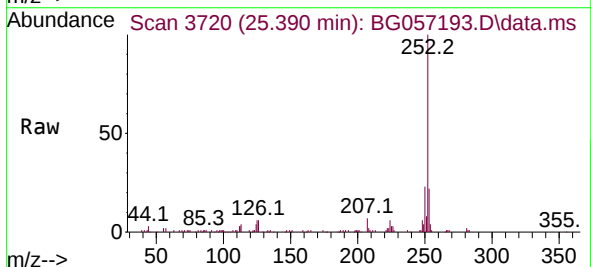
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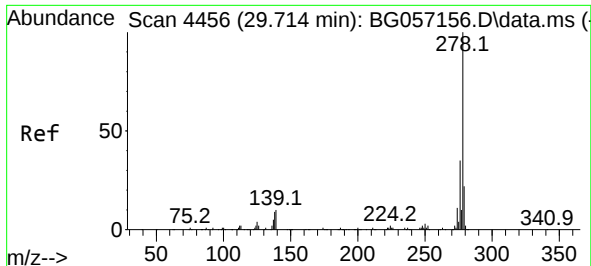
Reviewed By :Christian Giraldo 04/27/2023
Supervised By :Jagrut Upadhyay 04/27/2023



#90
Benzo(a)pyrene
Concen: 17.298 ng
RT: 25.390 min Scan# 3720
Delta R.T. -0.006 min
Lab File: BG057193.D
Acq: 26 Apr 2023 15:24

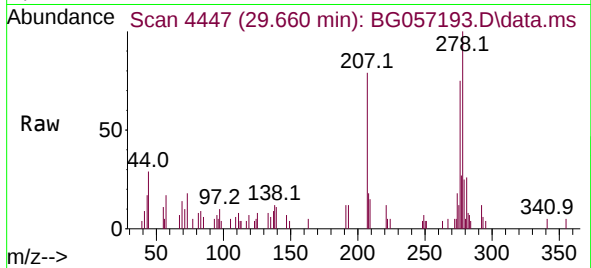
Tgt Ion:252 Resp: 134083
Ion Ratio Lower Upper
252 100
253 21.8 17.0 25.6
125 6.1 5.8 8.8





#91
Dibenzo(a,h)anthracene
Concen: 3.172 ng m
RT: 29.660 min Scan# 4456
Delta R.T. -0.029 min
Lab File: BG057193.D
Acq: 26 Apr 2023 15:24

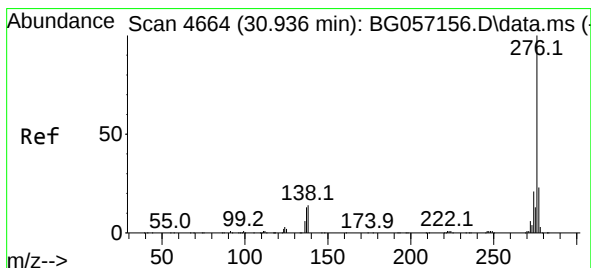
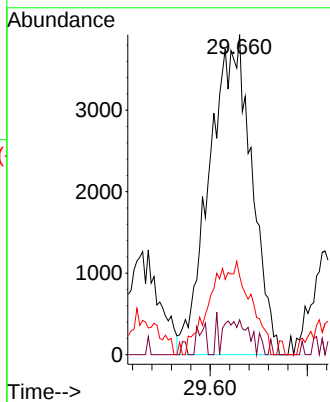
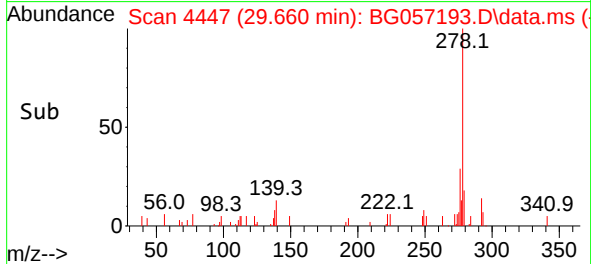
Instrument :
BNA_G
ClientSampleId :
SB-27-0-2-20230411DL



Tgt Ion:278 Resp: 2368
Ion Ratio Lower Upper
278 100
139 10.9 7.9 11.9
279 24.5 17.7 26.5

Manual Integrations
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Supervised By :Jagrut Upadhyay 04/27/2023



#92
Benzo(g,h,i)perylene
Concen: 8.945 ng
RT: 30.876 min Scan# 4654
Delta R.T. -0.023 min
Lab File: BG057193.D
Acq: 26 Apr 2023 15:24

Tgt Ion:276 Resp: 66086
Ion Ratio Lower Upper
276 100
277 21.6 18.5 27.7
138 10.8 11.5 17.3#

