

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052822\
 Data File : BG053758.D
 Acq On : 28 May 2022 19:51
 Operator : CG/JU
 Sample : N3057-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-1193

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/29/2022
 Supervised By : Jagrut Upadhyay 05/31/2022

Quant Time: May 29 02:20:22 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun May 29 02:17:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.949	152	52621	20.000	ng	0.00
21) Naphthalene-d8	10.757	136	206292	20.000	ng	0.00
39) Acenaphthene-d10	14.593	164	121887	20.000	ng	0.00
64) Phenanthrene-d10	17.348	188	228453	20.000	ng	# 0.00
76) Chrysene-d12	21.607	240	231080	20.000	ng	# 0.00
86) Perylene-d12	24.785	264	250109	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.529	112	348878	112.520	ng	0.00
7) Phenol-d6	7.150	99	504187	107.146	ng	0.00
23) Nitrobenzene-d5	9.118	82	348135	71.838	ng	0.00
42) 2,4,6-Tribromophenol	16.097	330	168515	93.740	ng	0.00
45) 2-Fluorobiphenyl	13.212	172	656327	78.686	ng	0.00
79) Terphenyl-d14	19.956	244	842226	67.882	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.395	178	167915	14.455	ng	# 88
72) Anthracene	17.483	178	26287	2.302	ng	# 52
75) Fluoranthene	19.410	202	296207	19.693	ng	94
78) Pyrene	19.768	202	265155	17.726	ng	97
81) Benzo(a)anthracene	21.589	228	141856	9.625	ng	97
83) Chrysene	21.654	228	157886m	11.470	ng	
84) Bis(2-ethylhexyl)phtha...	21.484	149	701482	92.653	ng	96
87) Indeno(1,2,3-cd)pyrene	28.421	276	121118	6.953	ng	# 59
88) Benzo(b)fluoranthene	23.780	252	196535	13.275	ng	# 95
89) Benzo(k)fluoranthene	23.833	252	72231m	4.965	ng	
90) Benzo(a)pyrene	24.638	252	143989	11.427	ng	# 96
91) Dibenzo(a,h)anthracene	28.462	278	47398	3.302	ng	# 85
92) Benzo(g,h,i)perylene	29.567	276	114075	8.018	ng	97

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

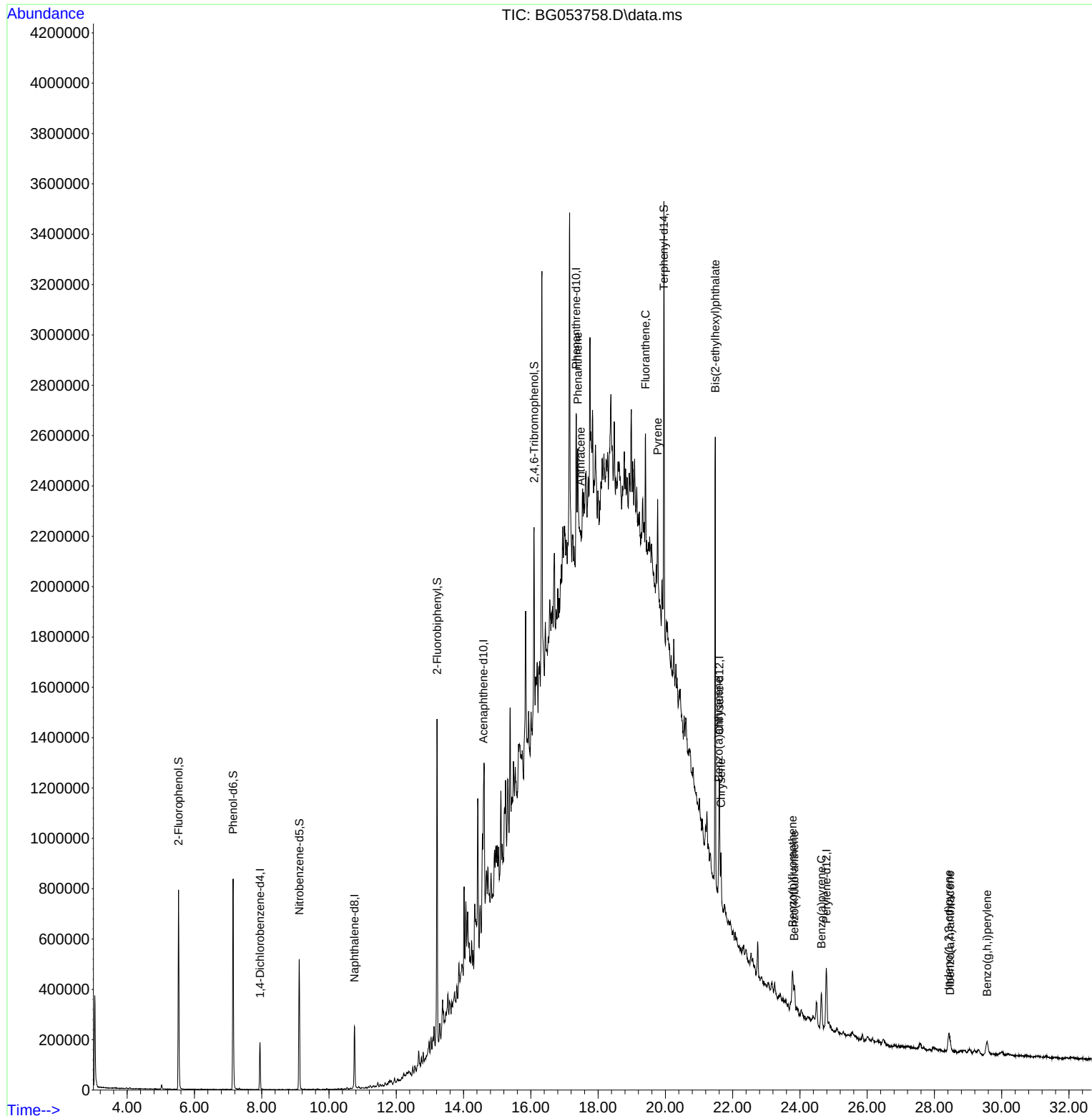
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052822\
Data File : BG053758.D
Acq On : 28 May 2022 19:51
Operator : CG/JU
Sample : N3057-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

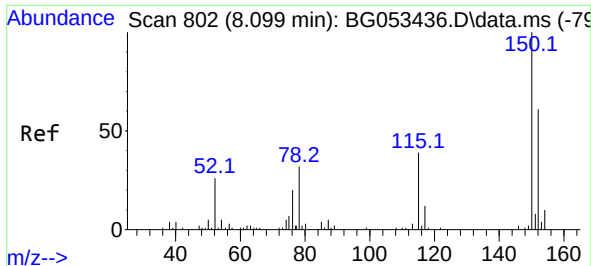
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72-1193

Quant Time: May 29 02:20:22 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
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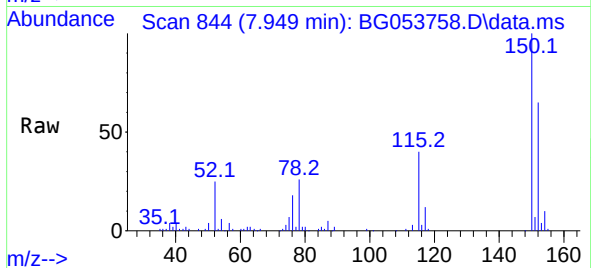
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.949 min Scan# 84
Delta R.T. -0.002 min
Lab File: BG053758.D
Acq: 28 May 2022 19:51

Instrument :

BNA_G

ClientSampleId :

72-1193

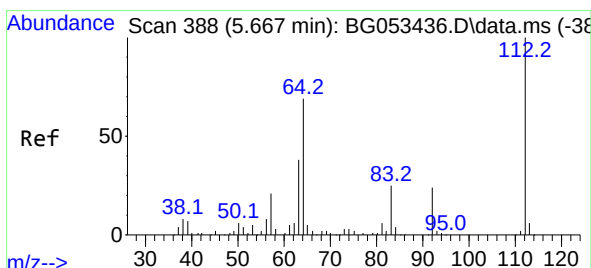
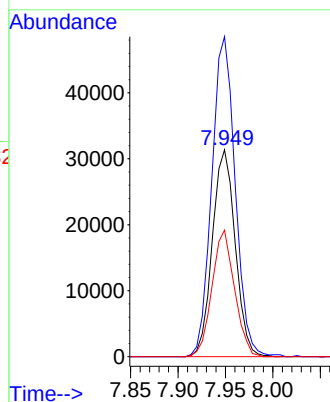
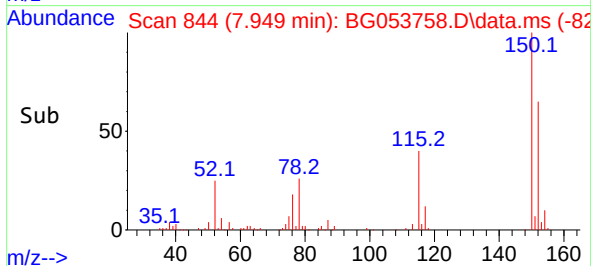


Tgt Ion:152 Resp: 5262
Ion Ratio Lower Upper
152 100
150 154.7 131.6 197.4
115 61.1 50.9 76.3

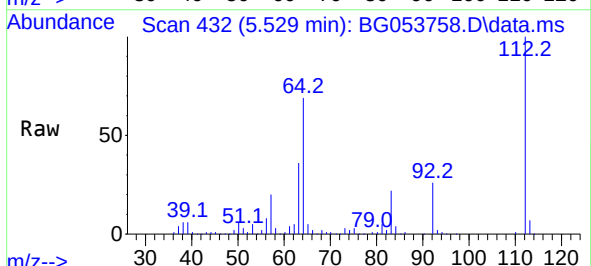
Manual Integrations

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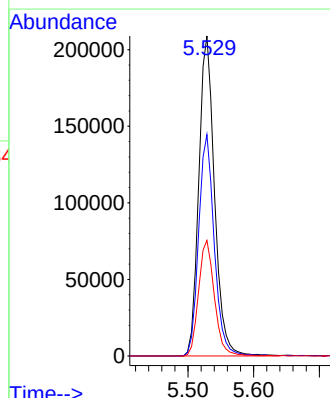
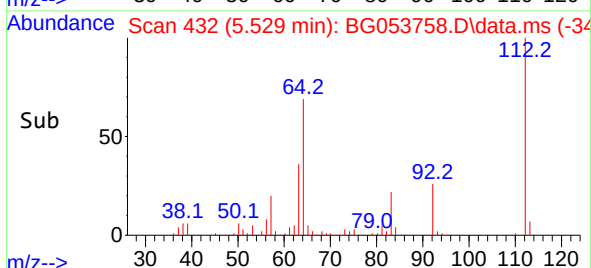
Reviewed By :Christian Giraldo 05/29/2022
Supervised By :Jagrut Upadhyay 05/31/2022

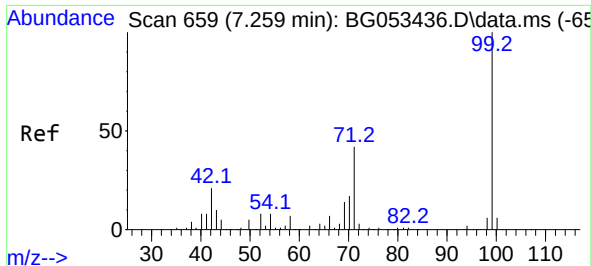


#5
2-Fluorophenol
Concen: 112.520 ng
RT: 5.529 min Scan# 432
Delta R.T. 0.003 min
Lab File: BG053758.D
Acq: 28 May 2022 19:51



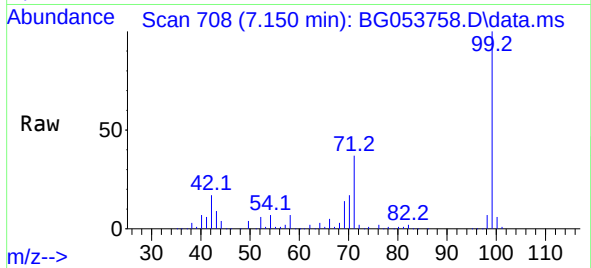
Tgt Ion:112 Resp: 348878
Ion Ratio Lower Upper
112 100
64 69.2 55.1 82.7
63 36.1 30.4 45.6





#7
Phenol-d6
Concen: 107.146 ng
RT: 7.150 min Scan# 708
Delta R.T. -0.002 min
Lab File: BG053758.D
Acq: 28 May 2022 19:51

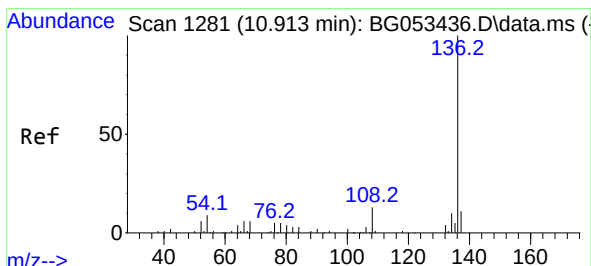
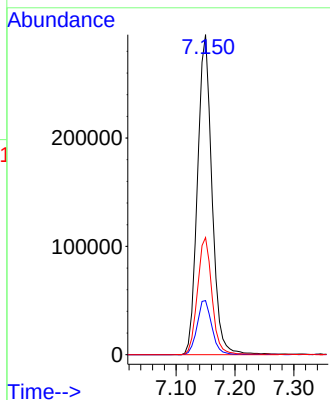
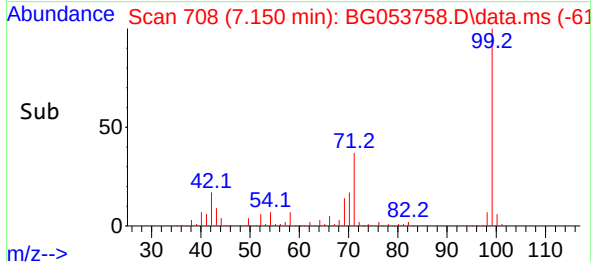
Instrument :
BNA_G
ClientSampleId :
72-1193



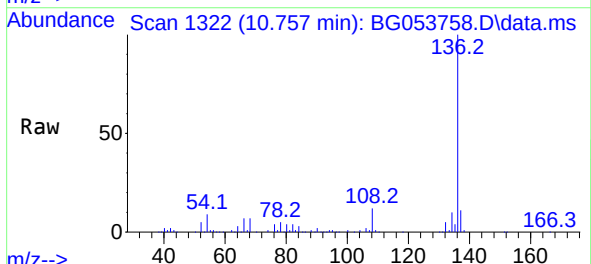
Tgt Ion: 99 Resp: 50418
Ion Ratio Lower Upper
99 100
42 16.9 17.0 25.6
71 36.6 33.8 50.8

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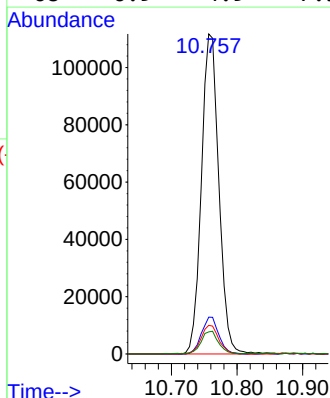
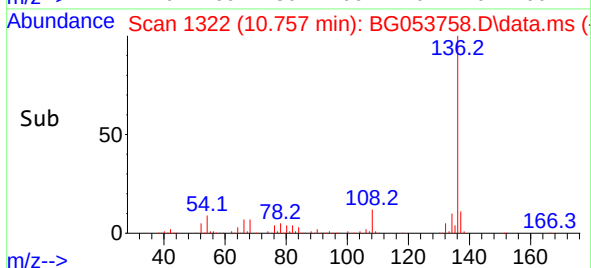
Reviewed By :Christian Giraldo 05/29/2022
Supervised By :Jagrut Upadhyay 05/31/2022

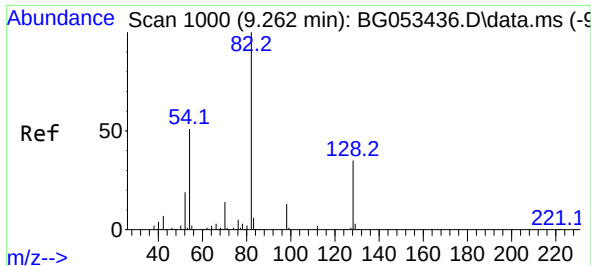


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.757 min Scan# 1322
Delta R.T. -0.002 min
Lab File: BG053758.D
Acq: 28 May 2022 19:51



Tgt Ion:136 Resp: 206292
Ion Ratio Lower Upper
136 100
137 11.5 8.5 12.7
54 9.0 7.4 11.2
68 6.9 4.9 7.3





#23

Nitrobenzene-d5

Concen: 71.838 ng

RT: 9.118 min Scan# 10

Delta R.T. -0.002 min

Lab File: BG053758.D

Acq: 28 May 2022 19:51

Instrument :

BNA_G

ClientSampleId :

72-1193

Tgt Ion: 82 Resp: 34813

Ion Ratio Lower Upper

82 100

128 37.5 27.9 41.9

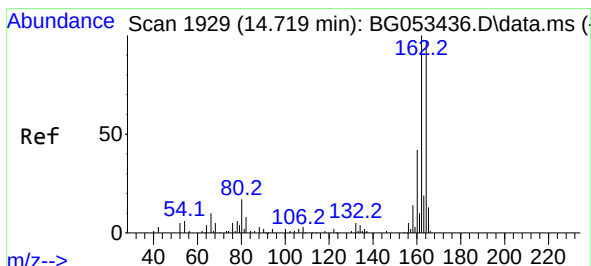
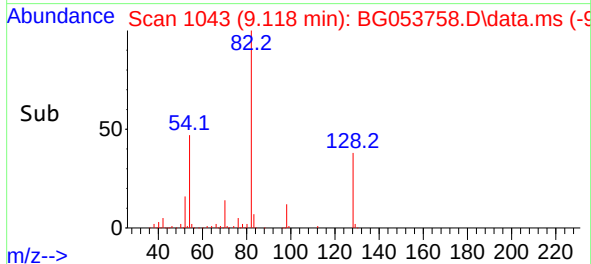
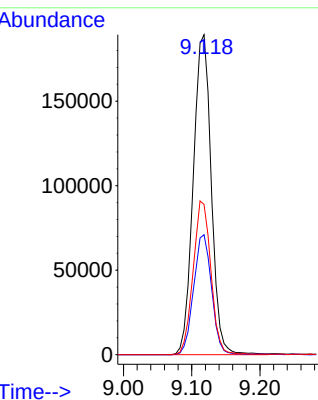
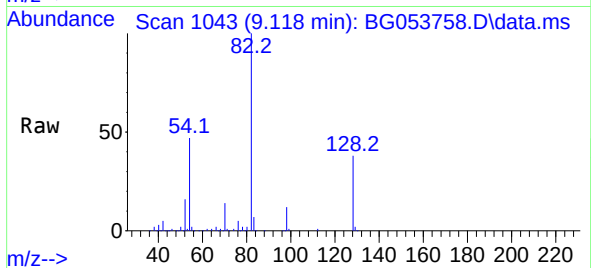
54 46.9 41.2 61.8

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.593 min Scan# 1975

Delta R.T. -0.002 min

Lab File: BG053758.D

Acq: 28 May 2022 19:51

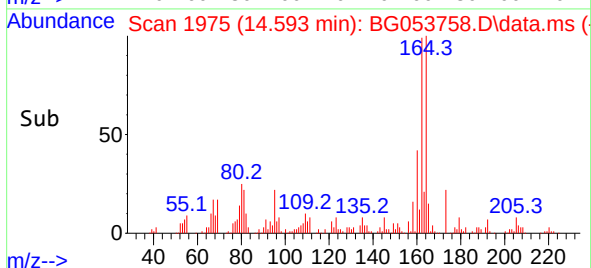
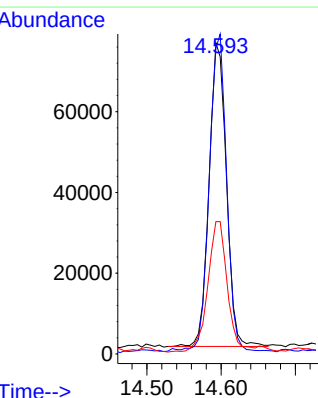
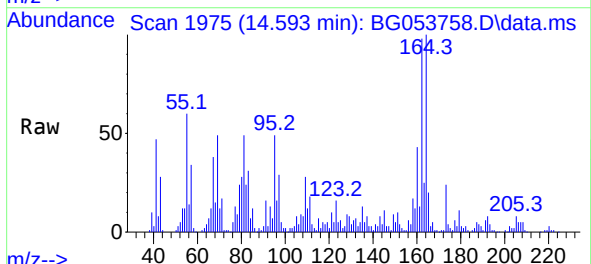
Tgt Ion:164 Resp: 121887

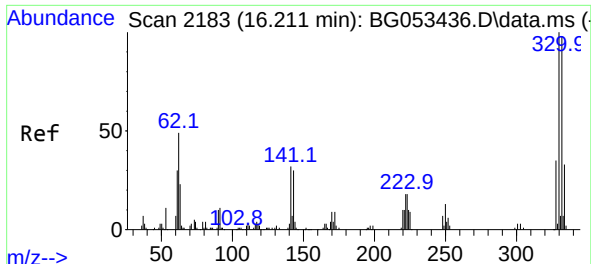
Ion Ratio Lower Upper

164 100

162 98.1 82.3 123.5

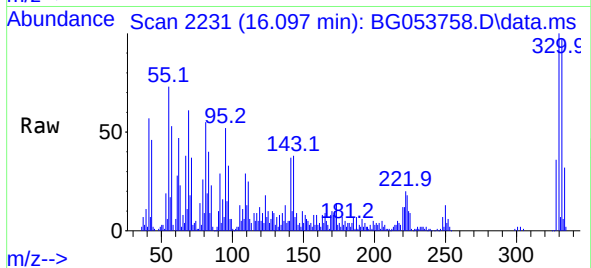
160 42.5 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 93.740 ng
RT: 16.097 min Scan# 2183
Delta R.T. 0.003 min
Lab File: BG053758.D
Acq: 28 May 2022 19:51

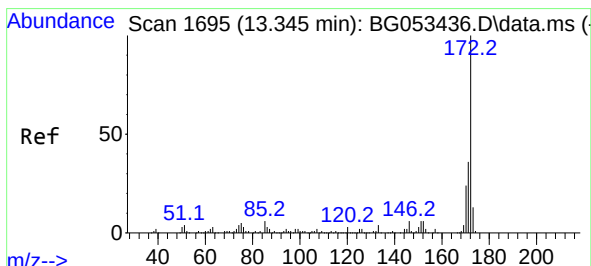
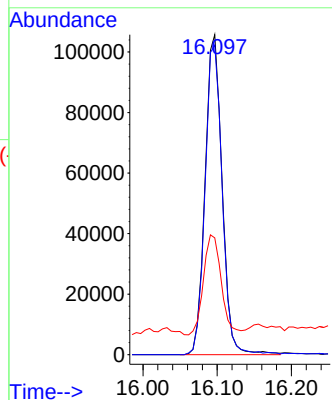
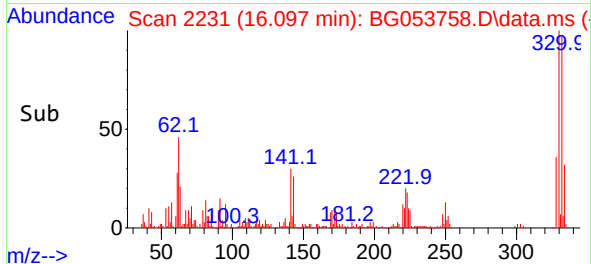
Instrument :
BNA_G
ClientSampleId :
72-1193



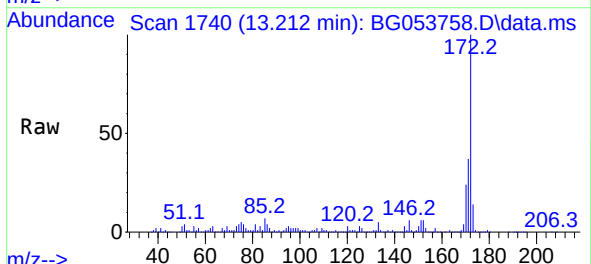
Tgt Ion:330 Resp: 16851
Ion Ratio Lower Upper
330 100
332 97.6 76.0 114.0
141 32.6 27.1 40.7

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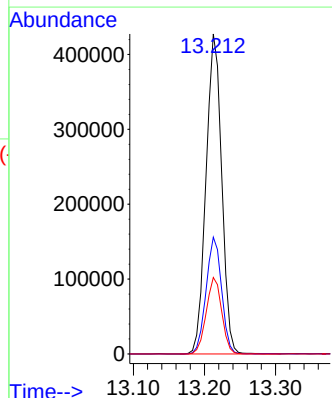
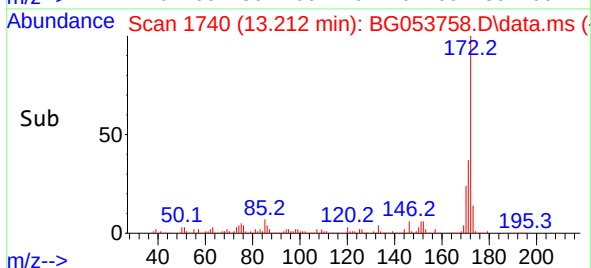
Reviewed By :Christian Giraldo 05/29/2022
Supervised By :Jagrut Upadhyay 05/31/2022

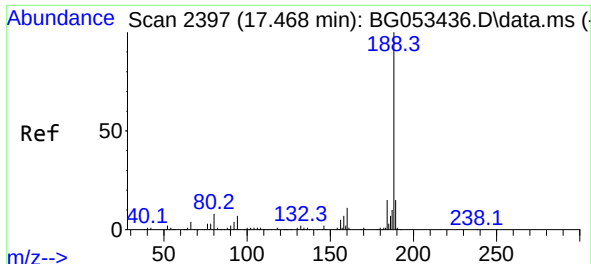


#45
2-Fluorobiphenyl
Concen: 78.686 ng
RT: 13.212 min Scan# 1740
Delta R.T. -0.002 min
Lab File: BG053758.D
Acq: 28 May 2022 19:51



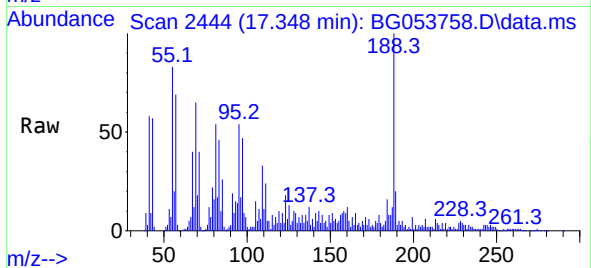
Tgt Ion:172 Resp: 656327
Ion Ratio Lower Upper
172 100
171 36.5 28.5 42.7
170 23.9 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.348 min Scan# 2444
Delta R.T. 0.003 min
Lab File: BG053758.D
Acq: 28 May 2022 19:51

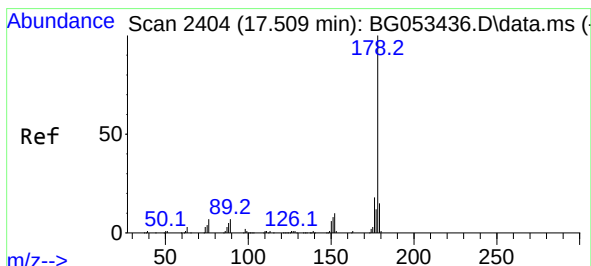
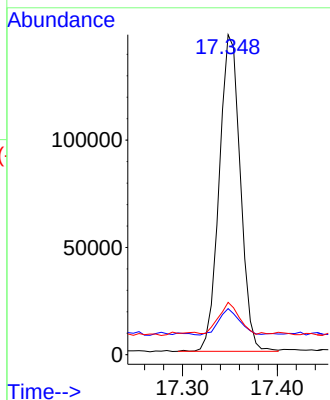
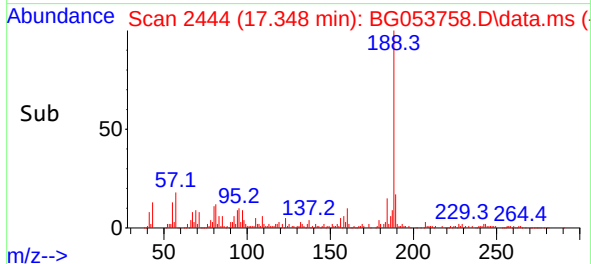
Instrument :
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ClientSampleId :
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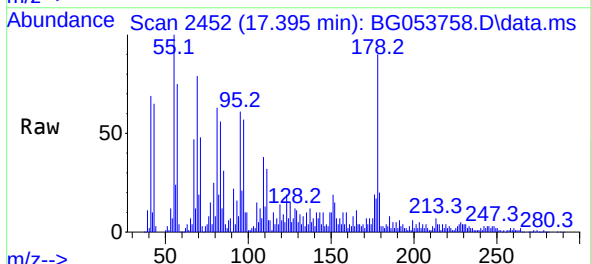
Tgt Ion:188 Resp: 22845
Ion Ratio Lower Upper
188 100
94 14.4 5.4 8.0
80 16.4 6.8 10.2

Manual Integrations
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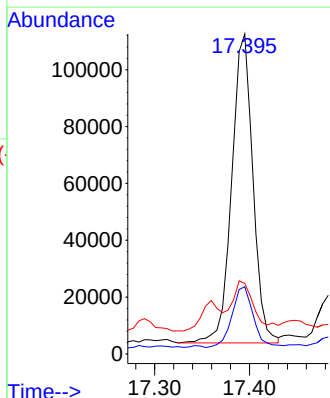
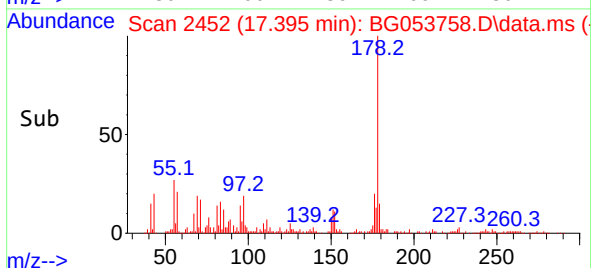
Reviewed By :Christian Giraldo 05/29/2022
Supervised By :Jagrut Upadhyay 05/31/2022

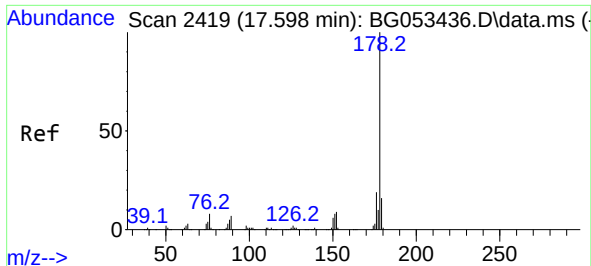


#71
Phenanthrene
Concen: 14.455 ng
RT: 17.395 min Scan# 2452
Delta R.T. 0.009 min
Lab File: BG053758.D
Acq: 28 May 2022 19:51



Tgt Ion:178 Resp: 167915
Ion Ratio Lower Upper
178 100
176 21.0 14.1 21.1
179 22.1 12.1 18.1





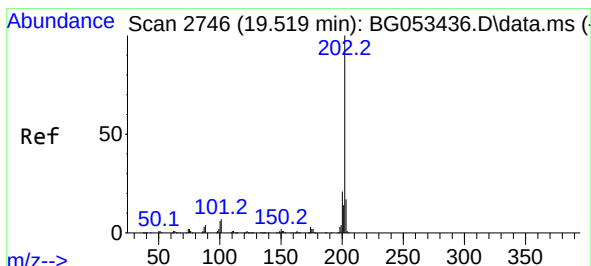
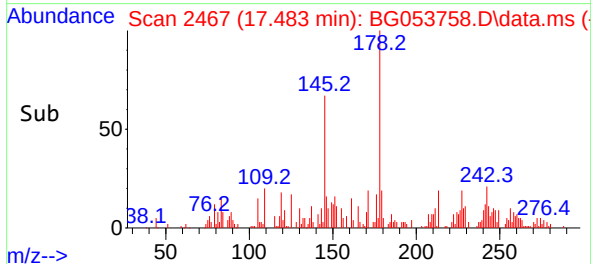
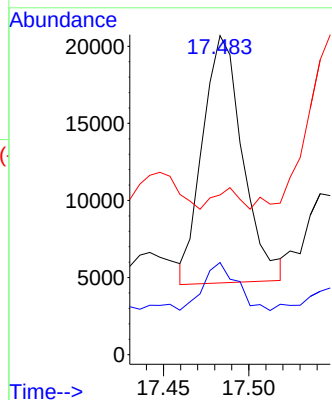
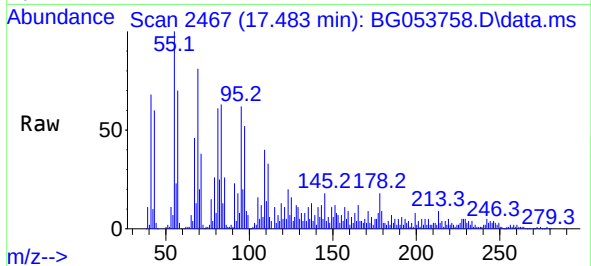
#72
 Anthracene
 Concen: 2.302 ng
 RT: 17.483 min Scan# 2419
 Delta R.T. 0.009 min
 Lab File: BG053758.D
 Acq: 28 May 2022 19:51

Instrument :
 BNA_G
 ClientSampleId :
 72-1193

Tgt Ion:178 Resp: 2628
 Ion Ratio Lower Upper
 178 100
 176 28.9 15.2 22.8
 179 50.0 13.0 19.4

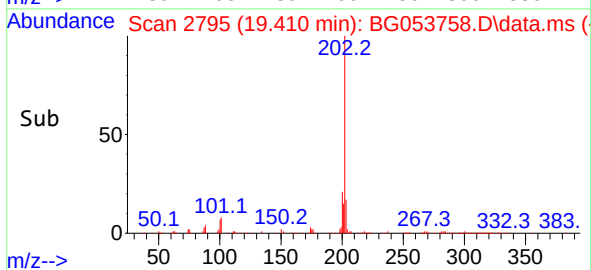
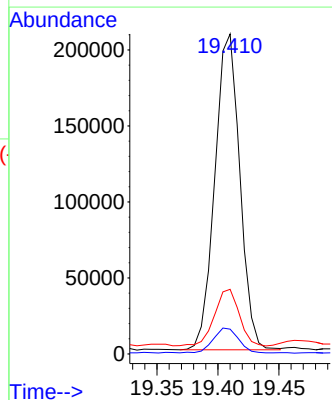
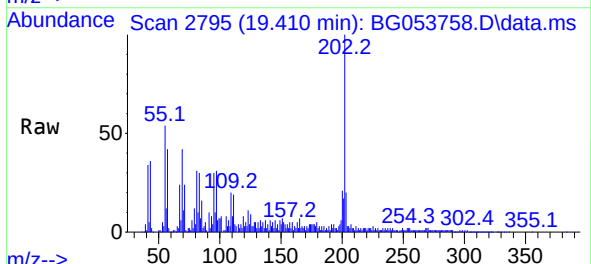
Manual Integrations
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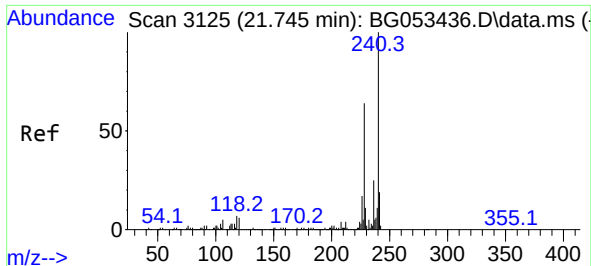
Reviewed By :Christian Giraldo 05/29/2022
 Supervised By :Jagrut Upadhyay 05/31/2022



#75
 Fluoranthene
 Concen: 19.693 ng
 RT: 19.410 min Scan# 2795
 Delta R.T. 0.015 min
 Lab File: BG053758.D
 Acq: 28 May 2022 19:51

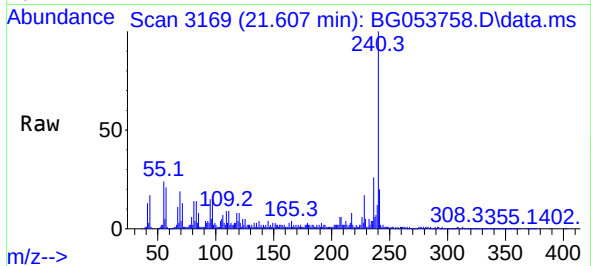
Tgt Ion:202 Resp: 296207
 Ion Ratio Lower Upper
 202 100
 101 7.8 0.0 26.9
 203 20.2 0.0 37.2





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.607 min Scan# 3125
Delta R.T. -0.002 min
Lab File: BG053758.D
Acq: 28 May 2022 19:51

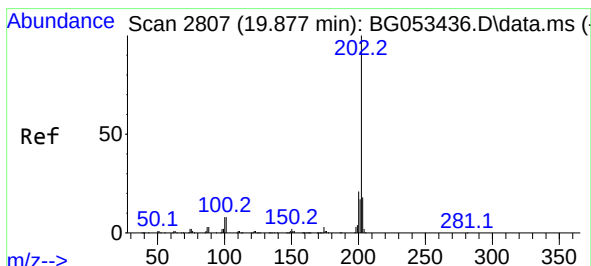
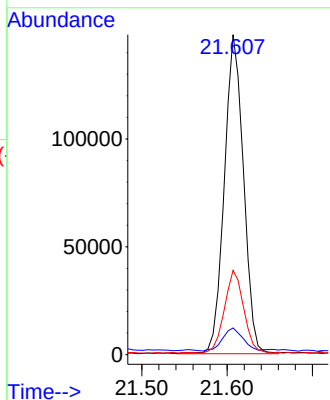
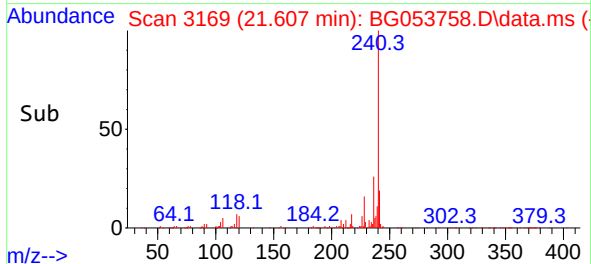
Instrument :
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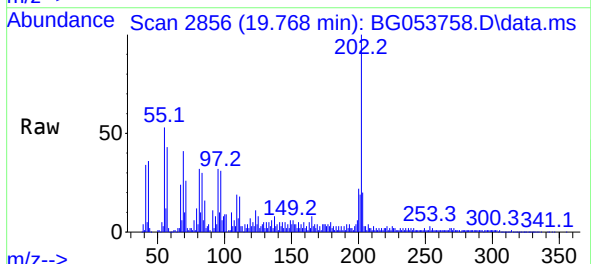
Tgt Ion:240 Resp: 231080
Ion Ratio Lower Upper
240 100
120 8.4 4.6 7.0
236 26.4 20.2 30.4

Manual Integrations
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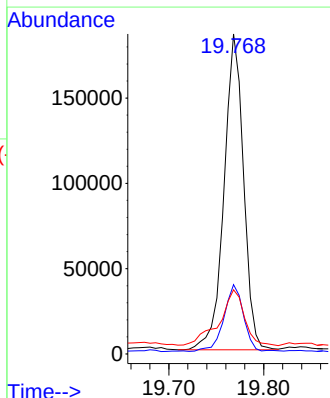
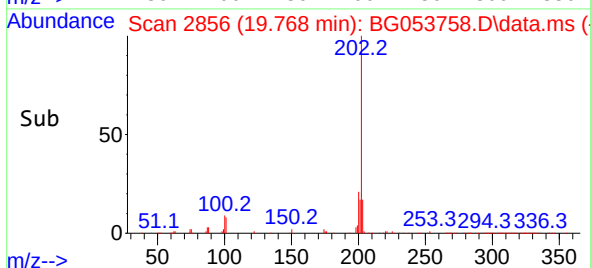
Reviewed By :Christian Giraldo 05/29/2022
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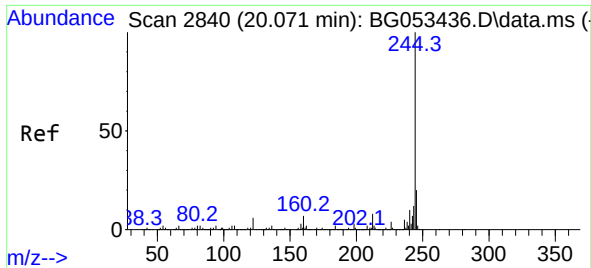


#78
Pyrene
Concen: 17.726 ng
RT: 19.768 min Scan# 2856
Delta R.T. 0.009 min
Lab File: BG053758.D
Acq: 28 May 2022 19:51



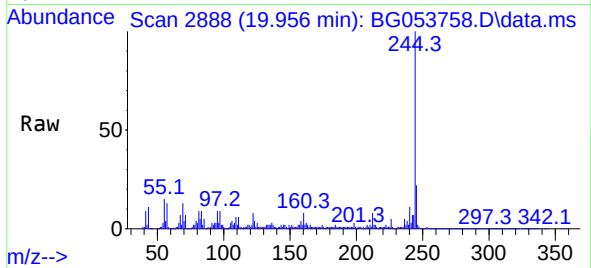
Tgt Ion:202 Resp: 265155
Ion Ratio Lower Upper
202 100
200 21.6 16.6 24.8
203 20.0 14.6 21.8





#79
 Terphenyl-d14
 Concen: 67.882 ng
 RT: 19.956 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: BG053758.D
 Acq: 28 May 2022 19:51

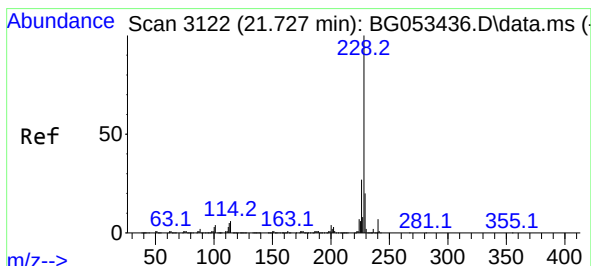
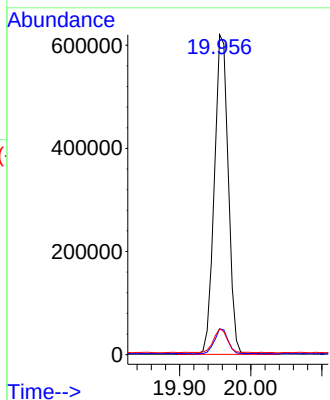
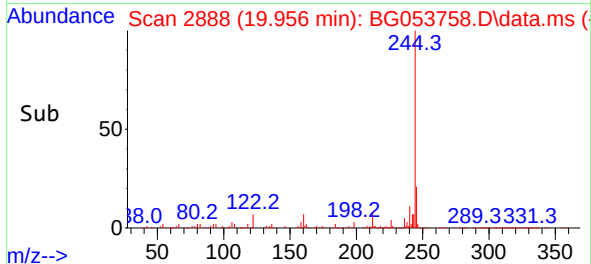
Instrument :
 BNA_G
 ClientSampleId :
 72-1193



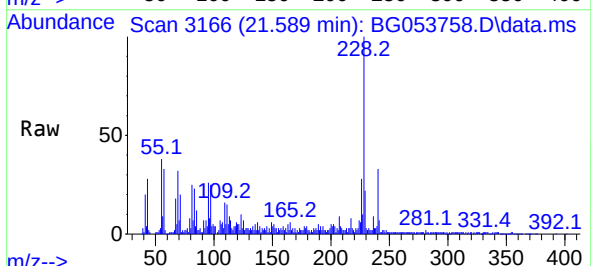
Tgt Ion:244 Resp: 842220
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.5 9.7
 122 8.1 5.0 7.4

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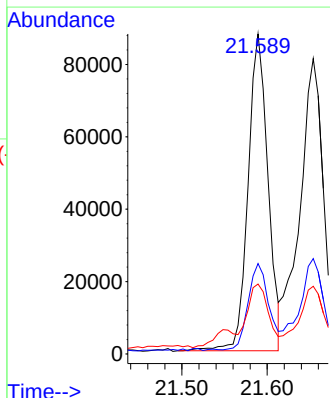
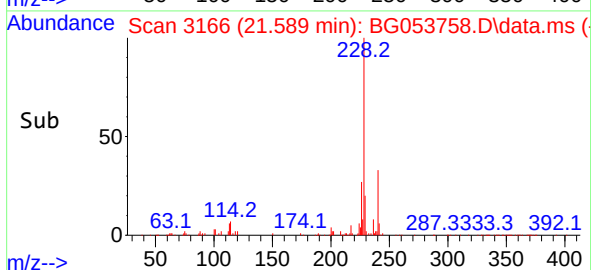
Reviewed By :Christian Giraldo 05/29/2022
 Supervised By :Jagrut Upadhyay 05/31/2022

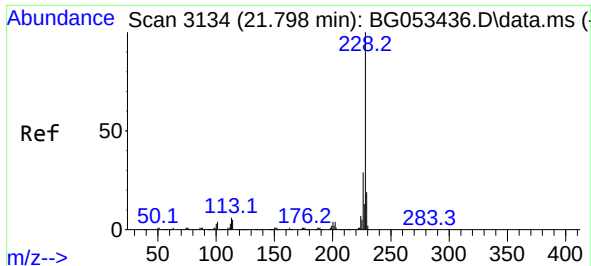


#81
 Benzo(a)anthracene
 Concen: 9.625 ng
 RT: 21.589 min Scan# 3166
 Delta R.T. 0.003 min
 Lab File: BG053758.D
 Acq: 28 May 2022 19:51



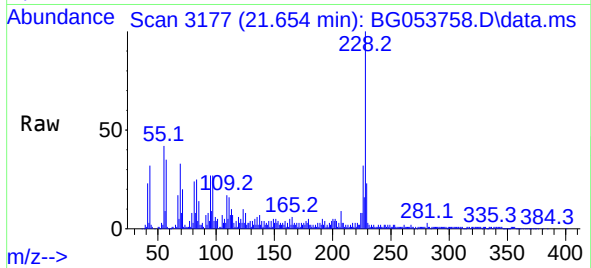
Tgt Ion:228 Resp: 141856
 Ion Ratio Lower Upper
 228 100
 226 28.3 21.6 32.4
 229 21.9 16.2 24.2





#83
Chrysene
Concen: 11.470 ng m
RT: 21.654 min Scan# 31
Delta R.T. 0.003 min
Lab File: BG053758.D
Acq: 28 May 2022 19:51

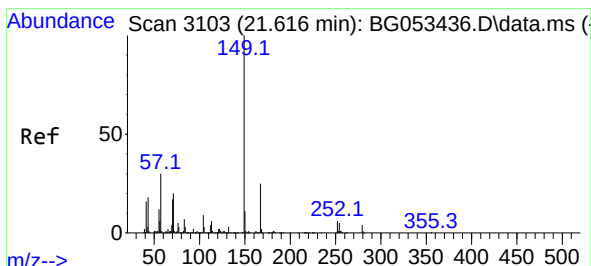
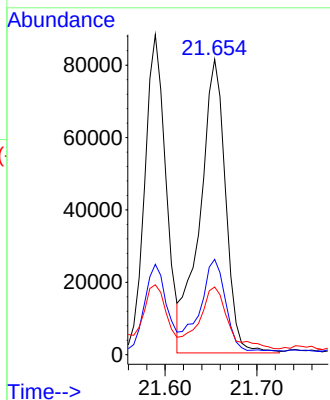
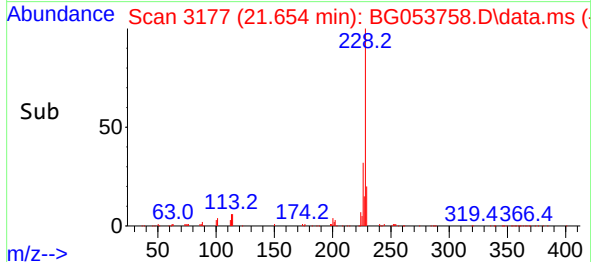
Instrument :
BNA_G
ClientSampleId :
72-1193



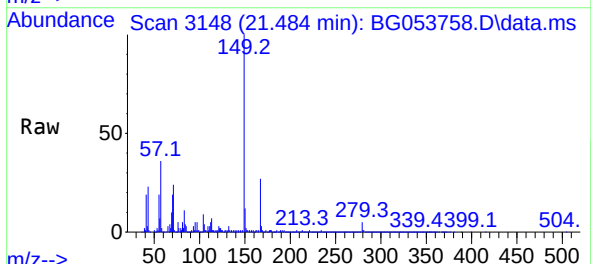
Tgt Ion:228 Resp: 157880
Ion Ratio Lower Upper
228 100
226 32.3 23.4 35.2
229 22.9 15.5 23.3

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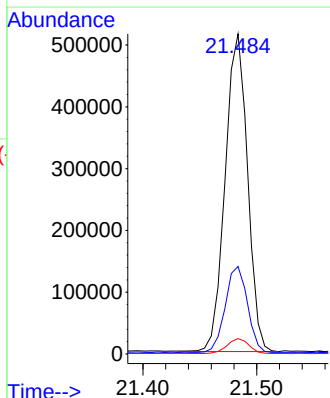
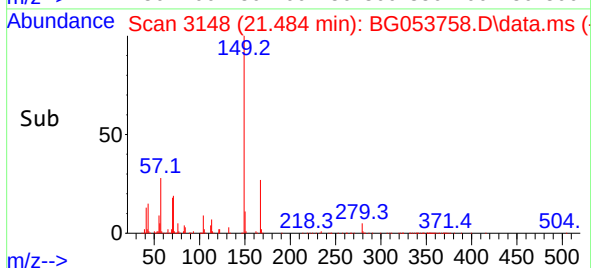
Reviewed By :Christian Giraldo 05/29/2022
Supervised By :Jagrut Upadhyay 05/31/2022

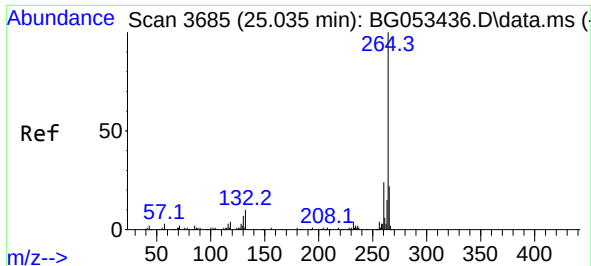


#84
Bis(2-ethylhexyl)phthalate
Concen: 92.653 ng
RT: 21.484 min Scan# 3148
Delta R.T. 0.004 min
Lab File: BG053758.D
Acq: 28 May 2022 19:51



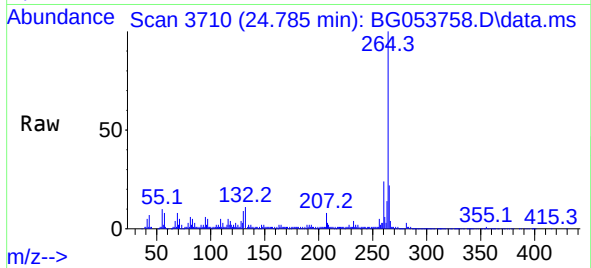
Tgt Ion:149 Resp: 701482
Ion Ratio Lower Upper
149 100
167 27.4 20.2 30.4
279 4.8 3.6 5.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.785 min Scan# 31
Delta R.T. -0.002 min
Lab File: BG053758.D
Acq: 28 May 2022 19:51

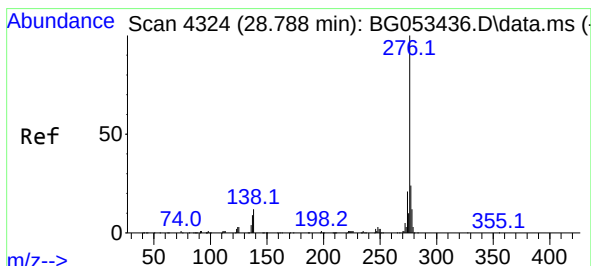
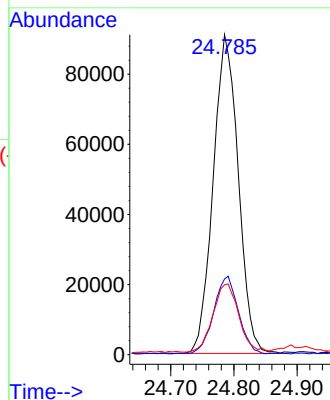
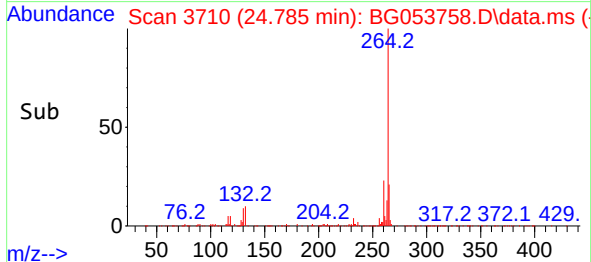
Instrument :
BNA_G
ClientSampleId :
72-1193



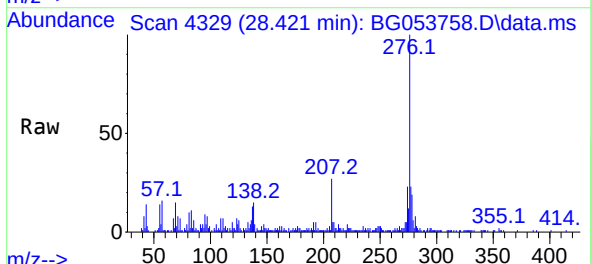
Tgt Ion:264 Resp: 250109
Ion Ratio Lower Upper
264 100
260 23.7 19.0 28.6
265 21.8 17.4 26.2

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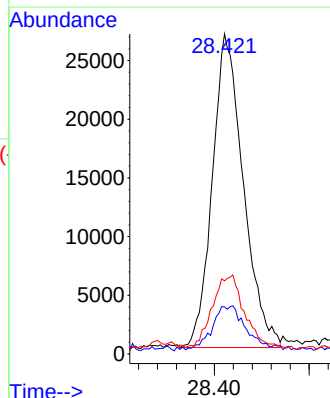
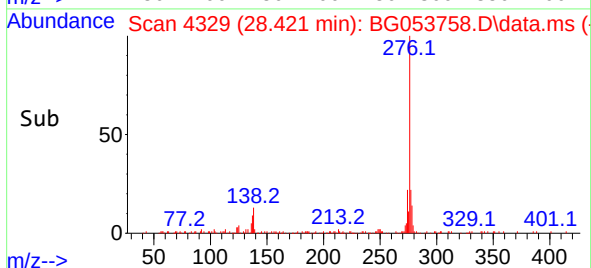
Reviewed By :Christian Giraldo 05/29/2022
Supervised By :Jagrut Upadhyay 05/31/2022

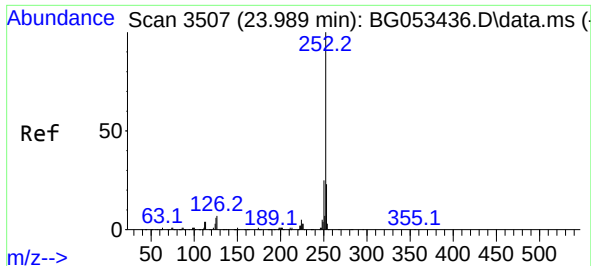


#87
Indeno(1,2,3-cd)pyrene
Concen: 6.953 ng
RT: 28.421 min Scan# 4329
Delta R.T. -0.014 min
Lab File: BG053758.D
Acq: 28 May 2022 19:51



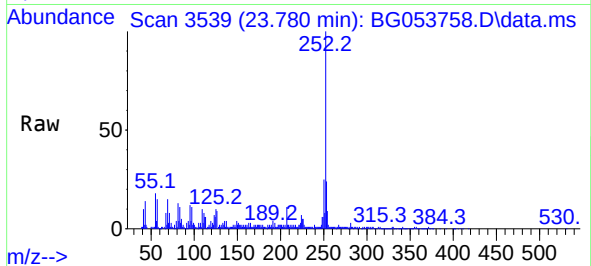
Tgt Ion:276 Resp: 121118
Ion Ratio Lower Upper
276 100
138 7.2 5.0 7.4
277 0.0 20.3 30.5#





#88
Benzo(b)fluoranthene
Concen: 13.275 ng
RT: 23.780 min Scan# 31
Delta R.T. 0.003 min
Lab File: BG053758.D
Acq: 28 May 2022 19:51

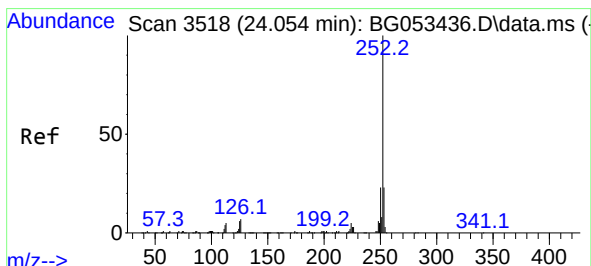
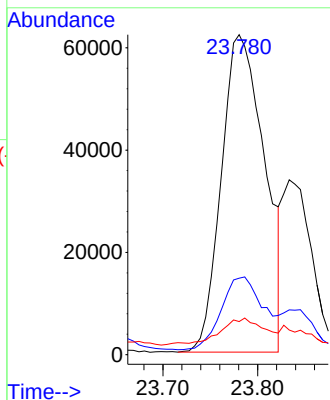
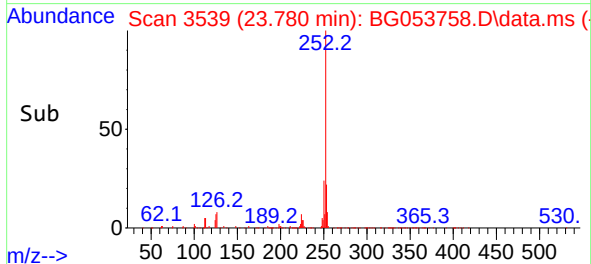
Instrument :
BNA_G
ClientSampleId :
72-1193



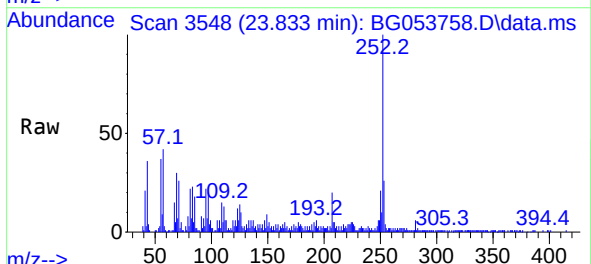
Tgt Ion:252 Resp: 19653
Ion Ratio Lower Upper
252 100
253 23.9 18.0 27.0
125 10.3 4.6 6.8

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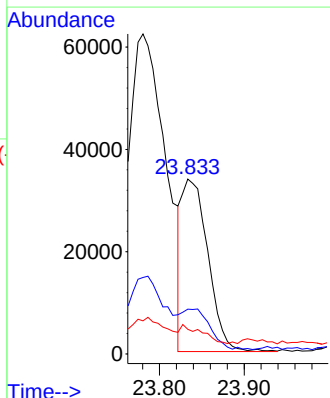
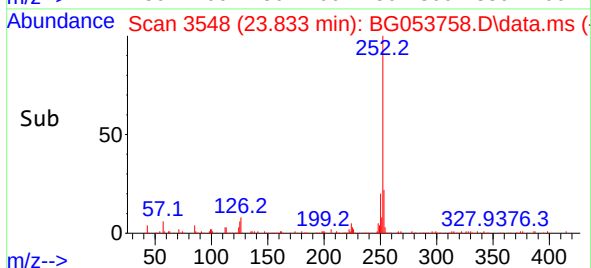
Reviewed By :Christian Giraldo 05/29/2022
Supervised By :Jagrut Upadhyay 05/31/2022

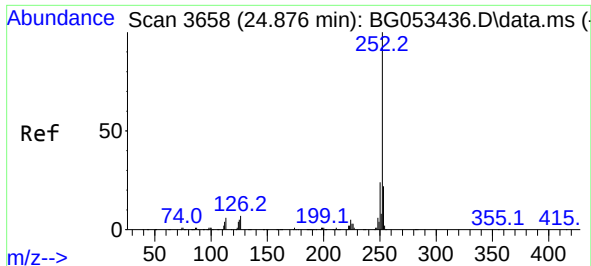


#89
Benzo(k)fluoranthene
Concen: 4.965 ng m
RT: 23.833 min Scan# 3548
Delta R.T. -0.008 min
Lab File: BG053758.D
Acq: 28 May 2022 19:51



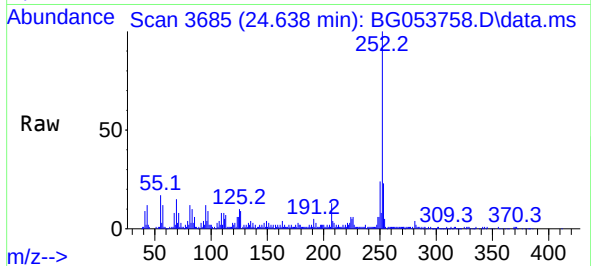
Tgt Ion:252 Resp: 72231
Ion Ratio Lower Upper
252 100
253 25.6 18.4 27.6
125 14.1 4.8 7.2





#90
Benzo(a)pyrene
Concen: 11.427 ng
RT: 24.638 min Scan# 3685
Delta R.T. -0.002 min
Lab File: BG053758.D
Acq: 28 May 2022 19:51

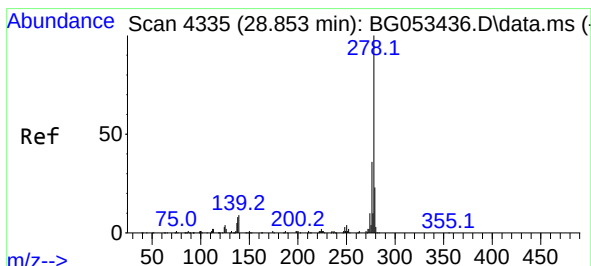
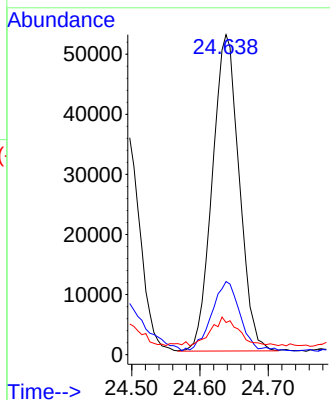
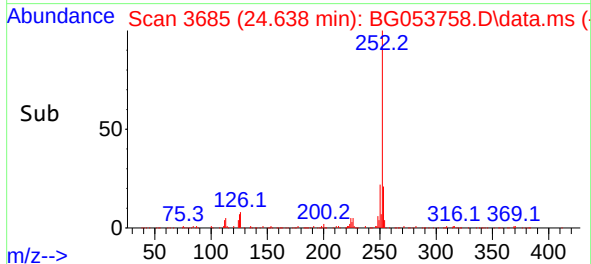
Instrument :
BNA_G
ClientSampleId :
72-1193



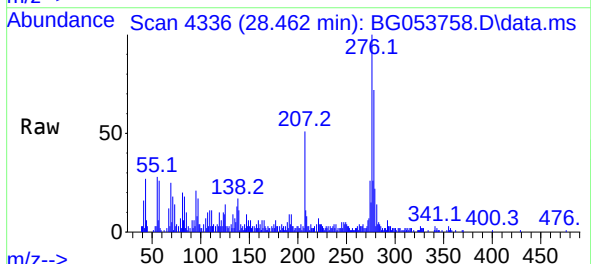
Tgt Ion:252 Resp: 143989
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 10.0 4.3 6.5

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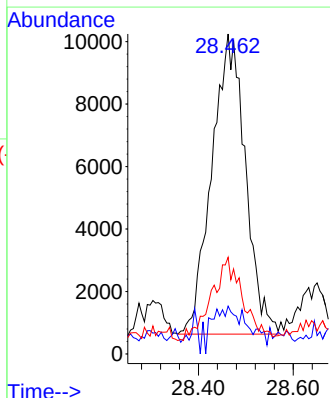
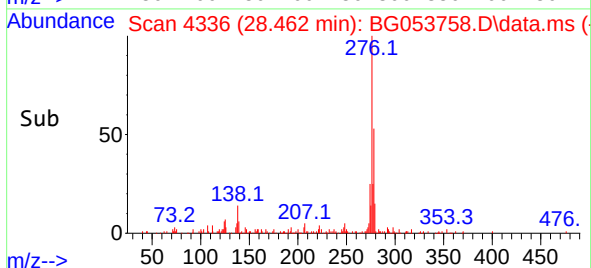
Reviewed By :Christian Giraldo 05/29/2022
Supervised By :Jagrut Upadhyay 05/31/2022

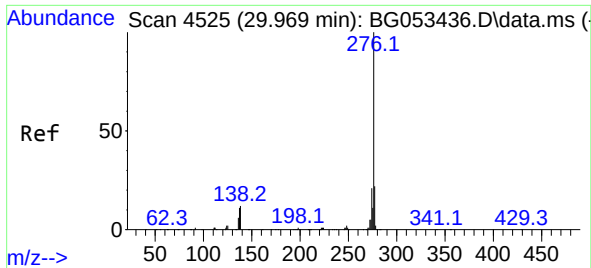


#91
Dibenzo(a,h)anthracene
Concen: 3.302 ng
RT: 28.462 min Scan# 4336
Delta R.T. -0.020 min
Lab File: BG053758.D
Acq: 28 May 2022 19:51



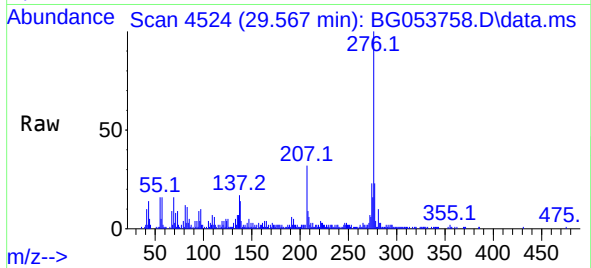
Tgt Ion:278 Resp: 47398
Ion Ratio Lower Upper
278 100
139 15.0 7.2 10.8#
279 30.2 18.6 27.8#





#92
 Benzo(g,h,i)perylene
 Concen: 8.018 ng
 RT: 29.567 min Scan# 41
 Delta R.T. -0.002 min
 Lab File: BG053758.D
 Acq: 28 May 2022 19:51

Instrument :
 BNA_G
 ClientSampleId :
 72-1193



Tgt Ion:276 Resp: 114075
 Ion Ratio Lower Upper
 276 100
 277 22.6 17.3 25.9
 138 13.8 9.6 14.4

Manual Integrations
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Reviewed By :Christian Giraldo 05/29/2022
 Supervised By :Jagrut Upadhyay 05/31/2022

