

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040623\
 Data File : BG057019.D
 Acq On : 6 Apr 2023 19:44
 Operator : CG/JU
 Sample : 02126-04 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RS-D

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/07/2023
 Supervised By : Jagrut Upadhyay 04/07/2023

Quant Time: Apr 07 01:39:44 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 07 01:33:41 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.411	152	19462	20.000	ng	0.00
21) Naphthalene-d8	11.248	136	76519	20.000	ng	0.00
39) Acenaphthene-d10	15.020	164	53553	20.000	ng	0.00
64) Phenanthrene-d10	17.763	188	119391	20.000	ng	0.00
76) Chrysene-d12	22.087	240	102851	20.000	ng	0.00
86) Perylene-d12	25.629	264	115410	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.920	112	50300	41.364	ng	0.00
7) Phenol-d6	7.542	99	72128	39.658	ng	0.00
23) Nitrobenzene-d5	9.586	82	47758	25.538	ng	0.00
42) 2,4,6-Tribromophenol	16.500	330	34369	40.173	ng	0.00
45) 2-Fluorobiphenyl	13.645	172	101343	25.661	ng	0.00
79) Terphenyl-d14	20.324	244	149154	24.540	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.755	152	18351	3.852	ng	94
71) Phenanthrene	17.804	178	111121	18.255	ng	99
72) Anthracene	17.892	178	25430	4.075	ng	98
75) Fluoranthene	19.796	202	509250	65.996	ng	99
78) Pyrene	20.154	202	498609	70.091	ng	99
81) Benzo(a)anthracene	22.063	228	323131	45.401	ng	99
83) Chrysene	22.134	228	297066	44.578	ng	98
87) Indeno(1,2,3-cd)pyrene	29.729	276	204201	23.941	ng	97
88) Benzo(b)fluoranthene	24.501	252	413716m	57.326	ng	
89) Benzo(k)fluoranthene	24.566	252	171979m	23.870	ng	
90) Benzo(a)pyrene	25.470	252	336361m	47.430	ng	
91) Dibenzo(a,h)anthracene	29.770	278	55022	7.848	ng	94
92) Benzo(g,h,i)perylene	31.022	276	193740	28.221	ng	# 97

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

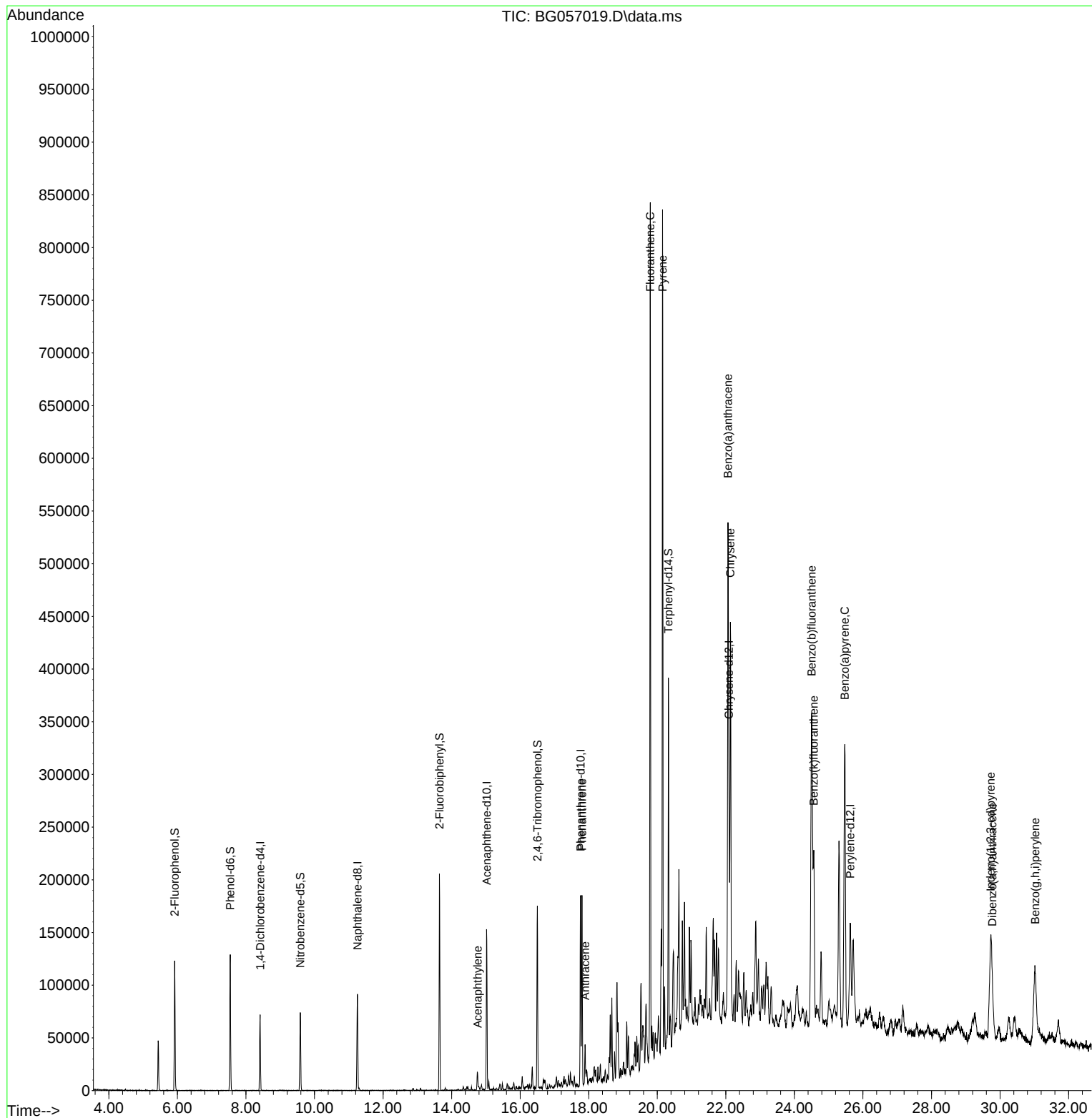
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040623\
Data File : BG057019.D
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Sample : 02126-04 2X
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ALS Vial : 13 Sample Multiplier: 1

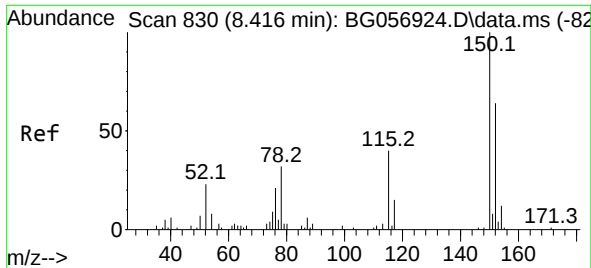
Instrument :
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Quant Time: Apr 07 01:39:44 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
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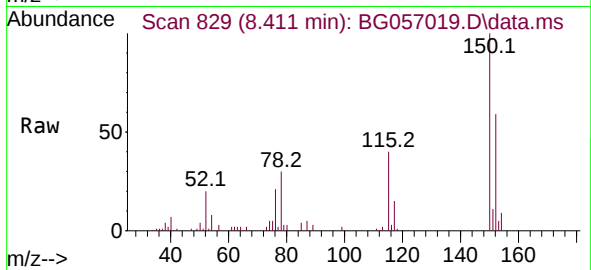
Reviewed By :Christian Giraldo 04/07/2023
Supervised By :Jagrut Upadhyay 04/07/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.411 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG057019.D
Acq: 6 Apr 2023 19:44

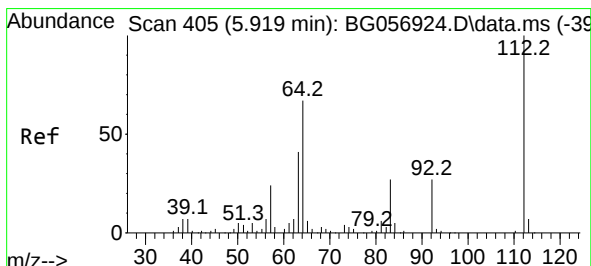
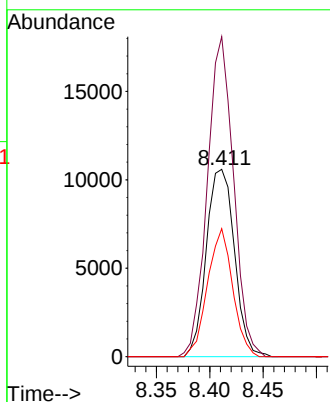
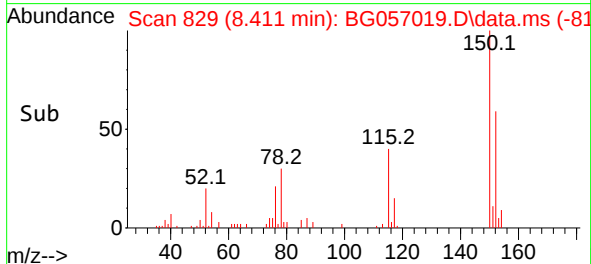
Instrument :
BNA_G
ClientSampleId :
RS-D



Tgt Ion:152 Resp: 19462
Ion Ratio Lower Upper
152 100
150 170.9 124.1 186.1
115 68.3 49.1 73.7

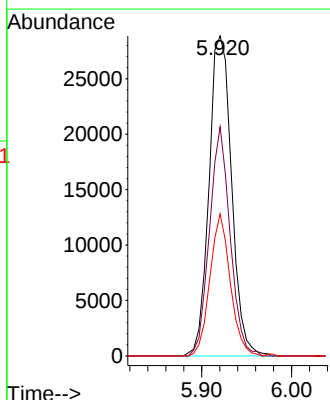
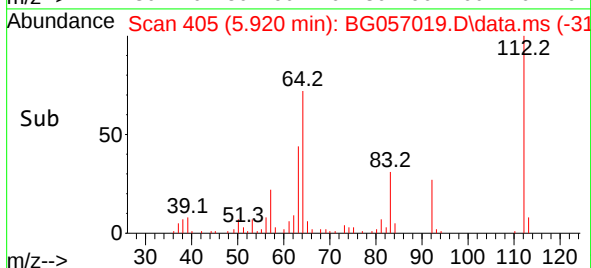
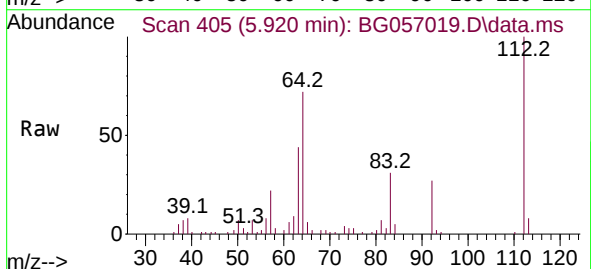
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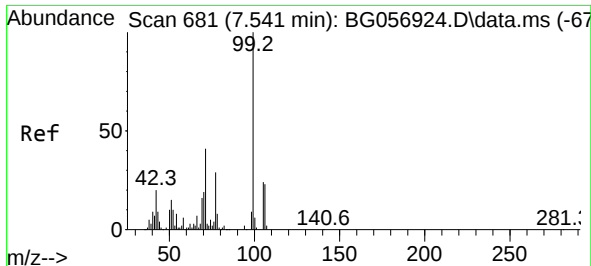
Reviewed By :Christian Giraldo 04/07/2023
Supervised By :Jagrut Upadhyay 04/07/2023



#5
2-Fluorophenol
Concen: 41.364 ng
RT: 5.920 min Scan# 405
Delta R.T. 0.004 min
Lab File: BG057019.D
Acq: 6 Apr 2023 19:44

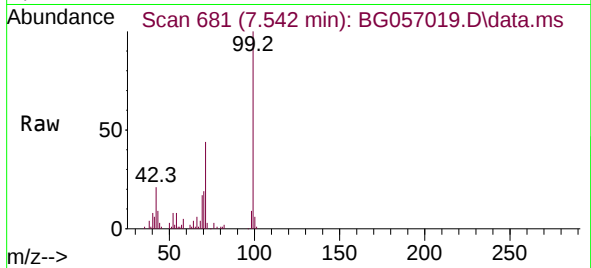
Tgt Ion:112 Resp: 50300
Ion Ratio Lower Upper
112 100
64 71.6 53.2 79.8
63 44.4 32.6 48.8





#7
Phenol-d6
Concen: 39.658 ng
RT: 7.542 min Scan# 681
Delta R.T. -0.002 min
Lab File: BG057019.D
Acq: 6 Apr 2023 19:44

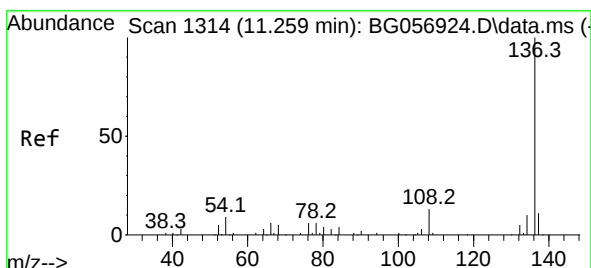
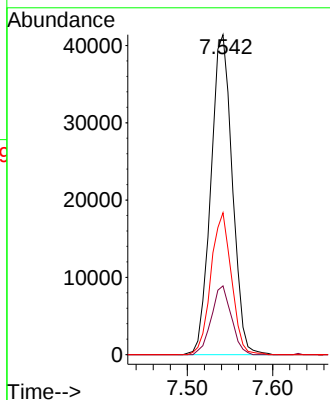
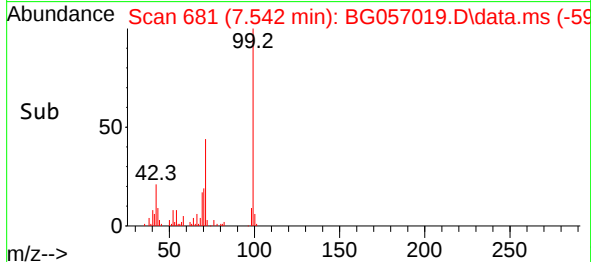
Instrument :
BNA_G
ClientSampleId :
RS-D



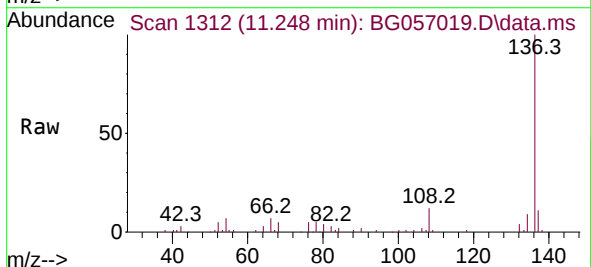
Tgt Ion: 99 Resp: 72128
Ion Ratio Lower Upper
99 100
42 21.5 15.7 23.5
71 44.3 32.5 48.7

Manual Integrations
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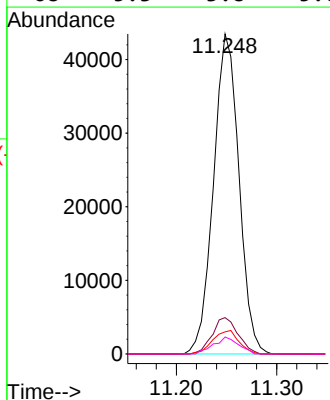
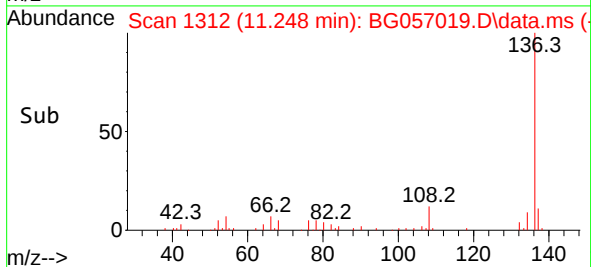
Reviewed By :Christian Giraldo 04/07/2023
Supervised By :Jagrut Upadhyay 04/07/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.248 min Scan# 1312
Delta R.T. -0.002 min
Lab File: BG057019.D
Acq: 6 Apr 2023 19:44



Tgt Ion:136 Resp: 76519
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 6.9 6.9 10.3
68 5.3 3.8 5.6





#23

Nitrobenzene-d5

Concen: 25.538 ng

RT: 9.586 min Scan# 1029

Delta R.T. -0.008 min

Lab File: BG057019.D

Acq: 6 Apr 2023 19:44

Instrument :

BNA_G

ClientSampleId :

RS-D

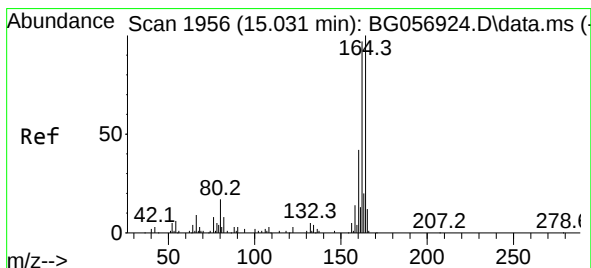
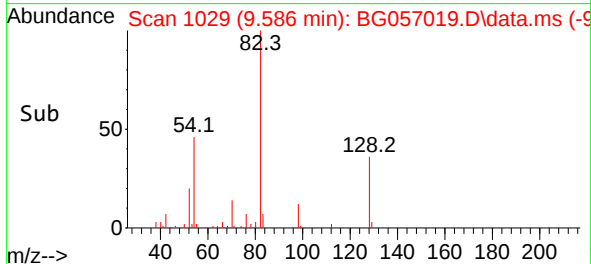
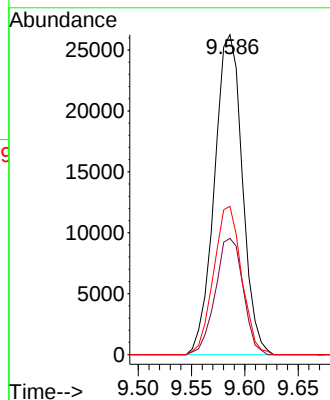
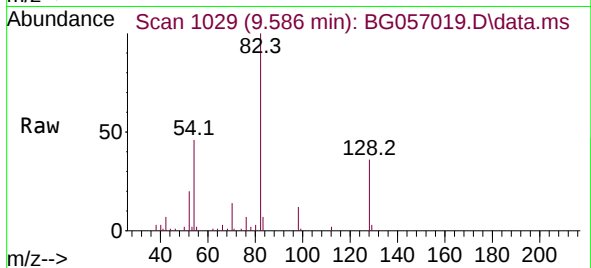
Tgt Ion:	82	Resp:	47758
Ion Ratio	Lower	Upper	
82	100		
128	36.3	27.9	41.9
54	46.3	39.4	59.2

Manual Integrations

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Supervised By :Jagrut Upadhyay 04/07/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

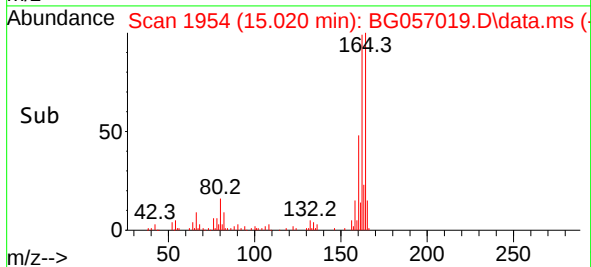
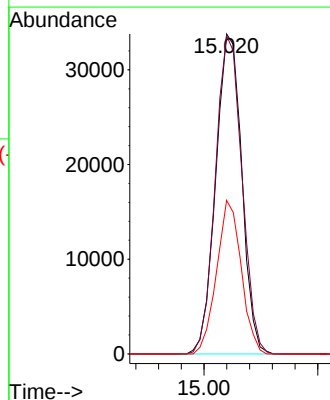
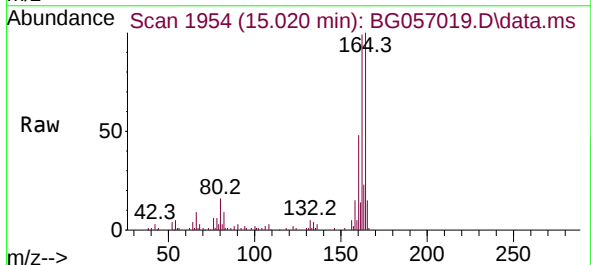
RT: 15.020 min Scan# 1954

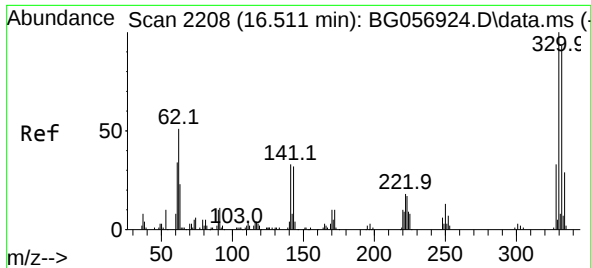
Delta R.T. -0.008 min

Lab File: BG057019.D

Acq: 6 Apr 2023 19:44

Tgt Ion:	164	Resp:	53553
Ion Ratio	Lower	Upper	
164	100		
162	99.5	77.8	116.8
160	48.0	33.5	50.3





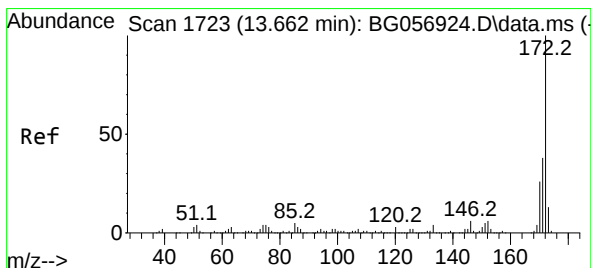
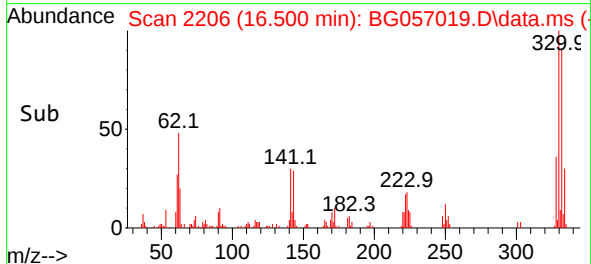
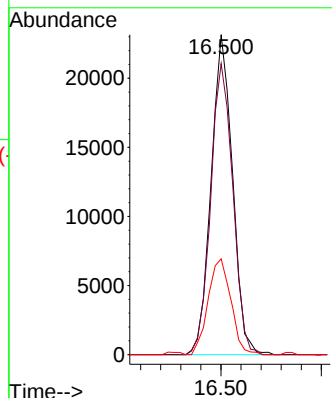
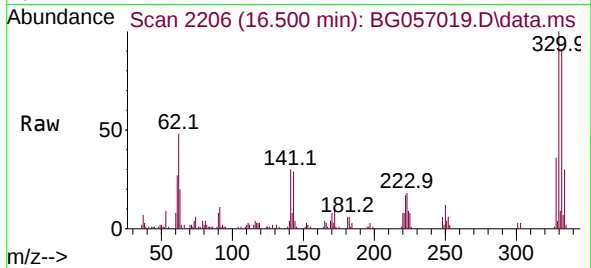
#42
2,4,6-Tribromophenol
Concen: 40.173 ng
RT: 16.500 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG057019.D
Acq: 6 Apr 2023 19:44

Instrument :
BNA_G
ClientSampleId :
RS-D

Tgt Ion:330 Resp: 34369
Ion Ratio Lower Upper
330 100
332 93.6 76.1 114.1
141 31.8 25.8 38.6

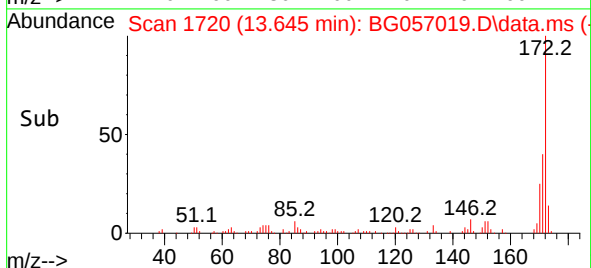
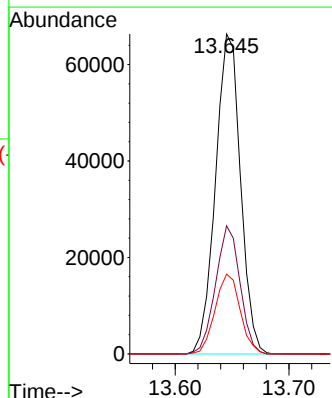
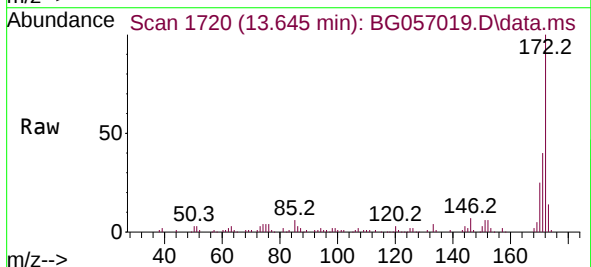
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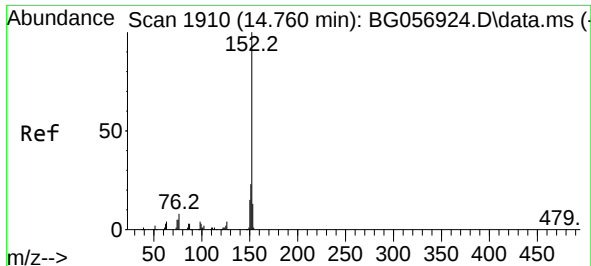
Reviewed By :Christian Giraldo 04/07/2023
Supervised By :Jagrut Upadhyay 04/07/2023



#45
2-Fluorobiphenyl
Concen: 25.661 ng
RT: 13.645 min Scan# 1720
Delta R.T. -0.008 min
Lab File: BG057019.D
Acq: 6 Apr 2023 19:44

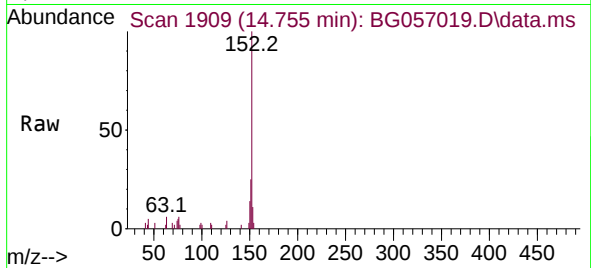
Tgt Ion:172 Resp: 101343
Ion Ratio Lower Upper
172 100
171 40.0 30.6 46.0
170 25.0 20.6 30.8





#49
Acenaphthylene
Concen: 3.852 ng
RT: 14.755 min Scan# 1910
Delta R.T. 0.004 min
Lab File: BG057019.D
Acq: 6 Apr 2023 19:44

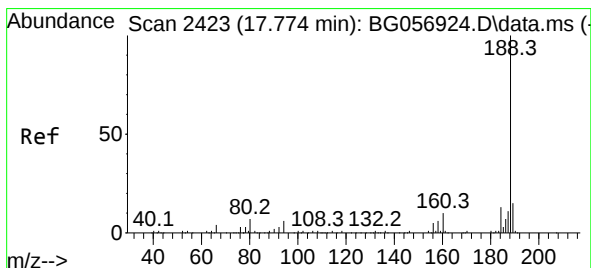
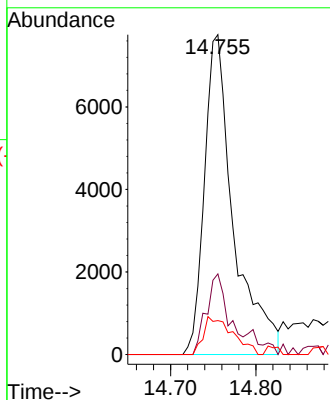
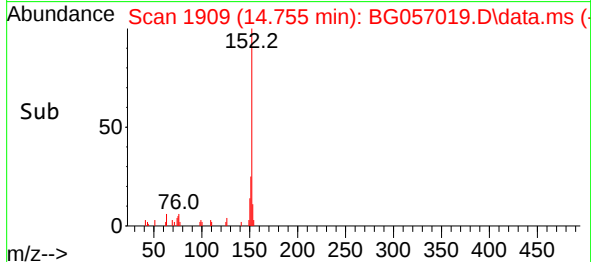
Instrument :
BNA_G
ClientSampleId :
RS-D



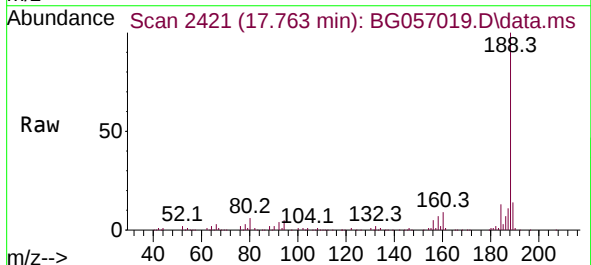
Tgt Ion:152 Resp: 1835
Ion Ratio Lower Upper
152 100
151 25.2 18.2 27.2
153 10.6 10.5 15.7

Manual Integrations
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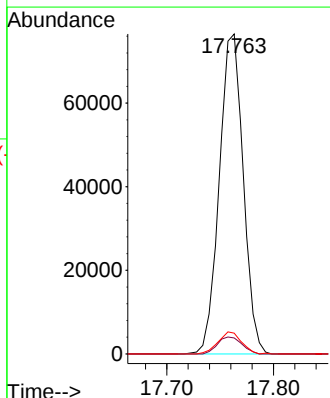
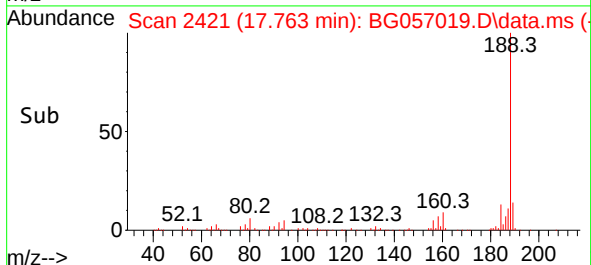
Reviewed By :Christian Giraldo 04/07/2023
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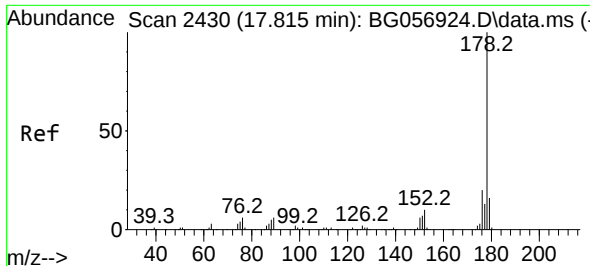


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.763 min Scan# 2421
Delta R.T. -0.002 min
Lab File: BG057019.D
Acq: 6 Apr 2023 19:44



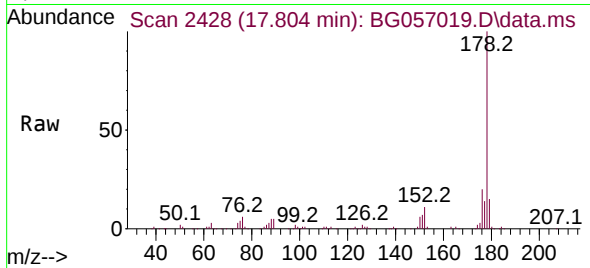
Tgt Ion:188 Resp: 119391
Ion Ratio Lower Upper
188 100
94 5.0 4.6 6.8
80 6.5 5.5 8.3





#71
Phenanthrene
Concen: 18.255 ng
RT: 17.804 min Scan# 2430
Delta R.T. -0.002 min
Lab File: BG057019.D
Acq: 6 Apr 2023 19:44

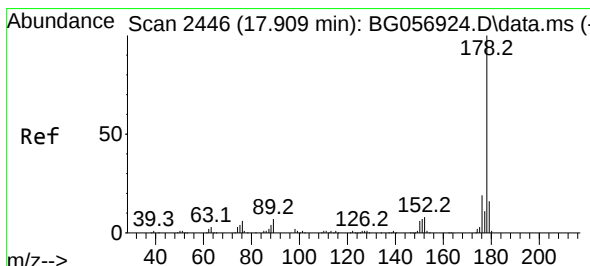
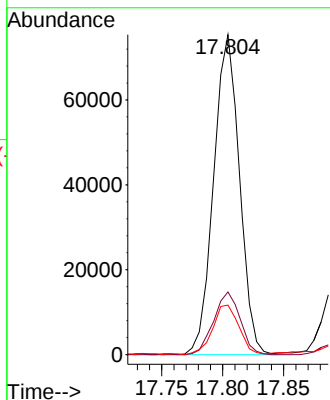
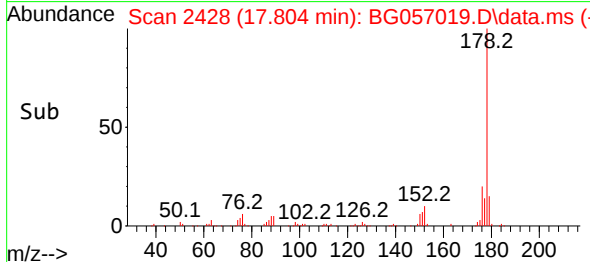
Instrument :
BNA_G
ClientSampleId :
RS-D



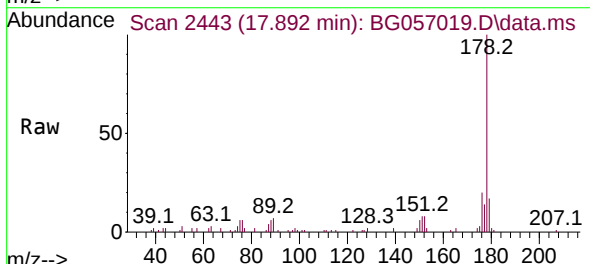
Tgt Ion:178 Resp: 11112
Ion Ratio Lower Upper
178 100
176 19.6 16.2 24.2
179 15.5 12.5 18.7

Manual Integrations
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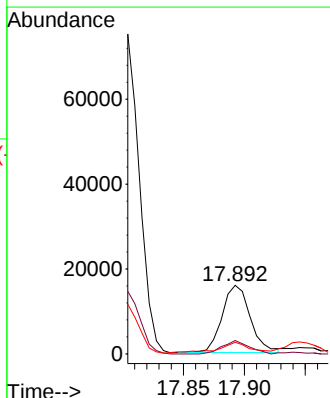
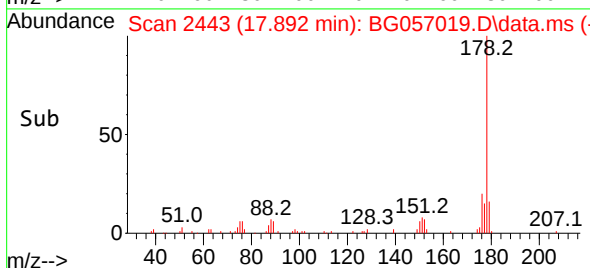
Reviewed By :Christian Giraldo 04/07/2023
Supervised By :Jagrut Upadhyay 04/07/2023

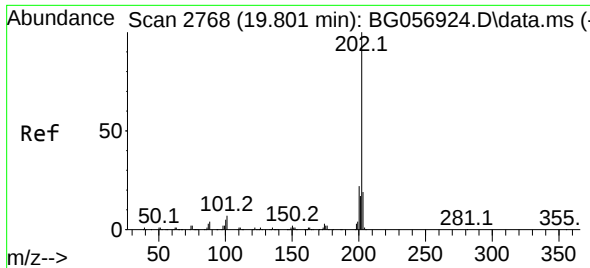


#72
Anthracene
Concen: 4.075 ng
RT: 17.892 min Scan# 2443
Delta R.T. -0.008 min
Lab File: BG057019.D
Acq: 6 Apr 2023 19:44



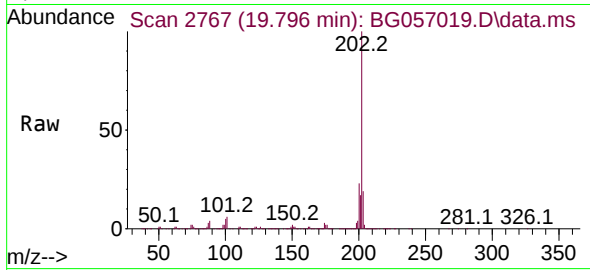
Tgt Ion:178 Resp: 25430
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.2
179 17.0 12.4 18.6





#75
Fluoranthene
Concen: 65.996 ng
RT: 19.796 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG057019.D
Acq: 6 Apr 2023 19:44

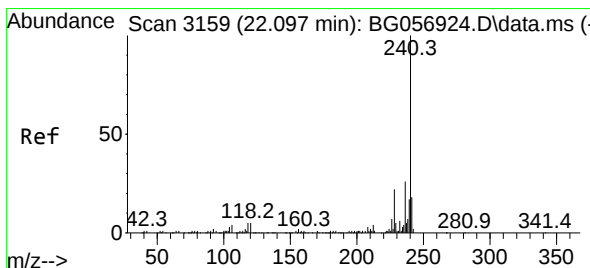
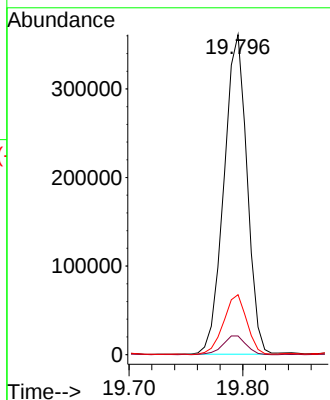
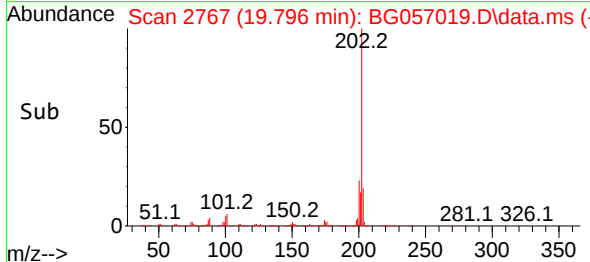
Instrument :
BNA_G
ClientSampleId :
RS-D



Tgt Ion:202 Resp: 509250
Ion Ratio Lower Upper
202 100
101 5.8 0.0 26.7
203 18.7 0.0 39.0

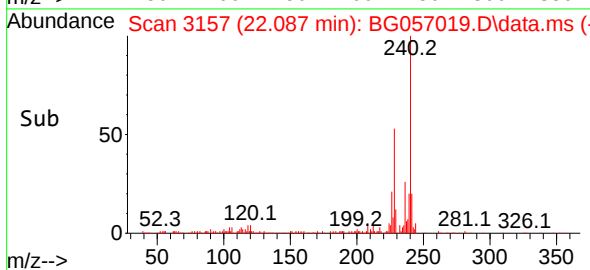
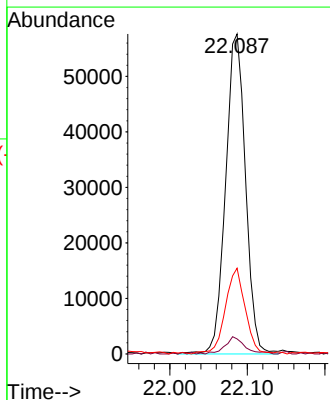
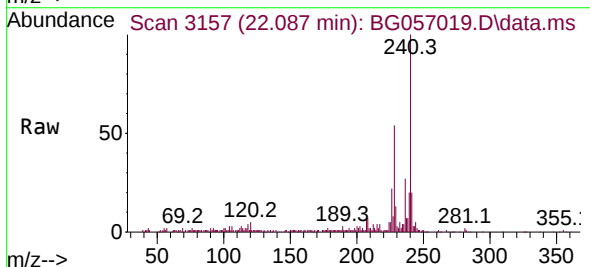
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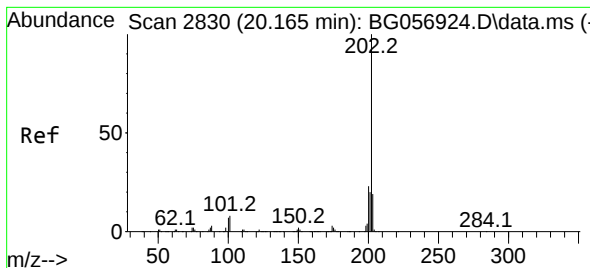
Reviewed By :Christian Giraldo 04/07/2023
Supervised By :Jagrut Upadhyay 04/07/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.087 min Scan# 3157
Delta R.T. -0.002 min
Lab File: BG057019.D
Acq: 6 Apr 2023 19:44

Tgt Ion:240 Resp: 102851
Ion Ratio Lower Upper
240 100
120 4.7 3.8 5.6
236 26.8 21.0 31.6





#78

Pyrene

Concen: 70.091 ng

RT: 20.154 min Scan# 2828

Delta R.T. 0.004 min

Lab File: BG057019.D

Acq: 6 Apr 2023 19:44

Instrument :

BNA_G

ClientSampleId :

RS-D

Tgt Ion:202 Resp: 498609

Ion Ratio Lower Upper

202 100

200 22.3 18.7 28.1

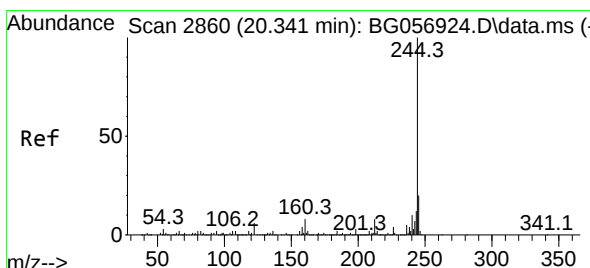
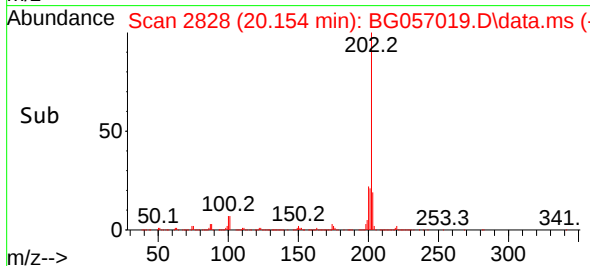
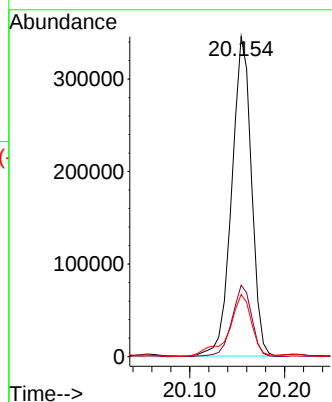
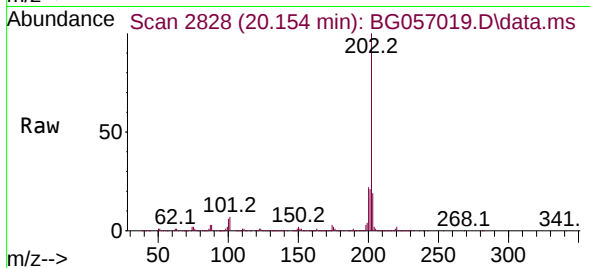
203 19.4 15.4 23.2

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Reviewed By :Christian Giraldo 04/07/2023

Supervised By :Jagrut Upadhyay 04/07/2023



#79

Terphenyl-d14

Concen: 24.540 ng

RT: 20.324 min Scan# 2857

Delta R.T. -0.008 min

Lab File: BG057019.D

Acq: 6 Apr 2023 19:44

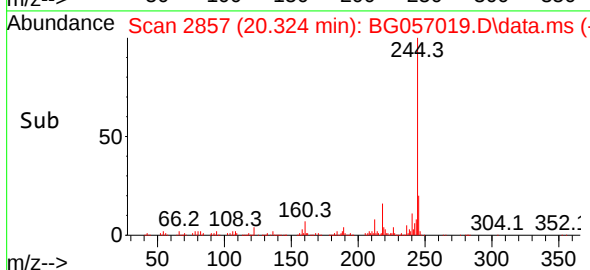
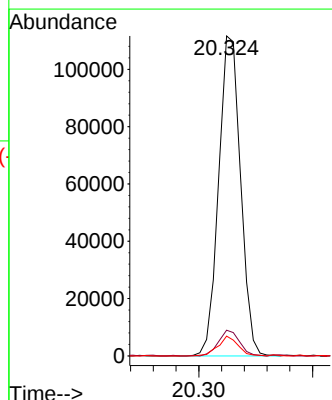
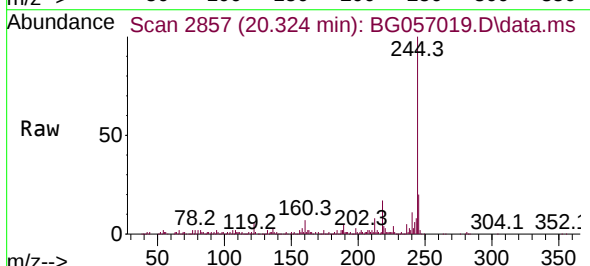
Tgt Ion:244 Resp: 149154

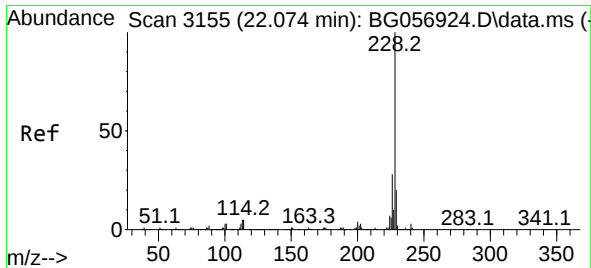
Ion Ratio Lower Upper

244 100

212 8.0 6.1 9.1

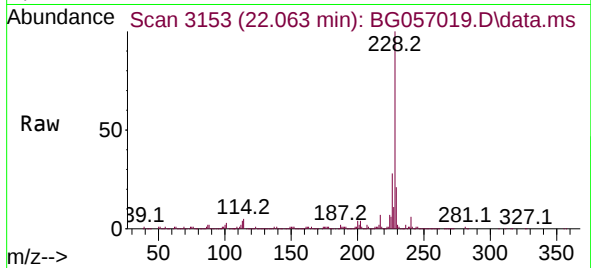
122 6.2 5.0 7.4





#81
Benzo(a)anthracene
Concen: 45.401 ng
RT: 22.063 min Scan# 3155
Delta R.T. -0.002 min
Lab File: BG057019.D
Acq: 6 Apr 2023 19:44

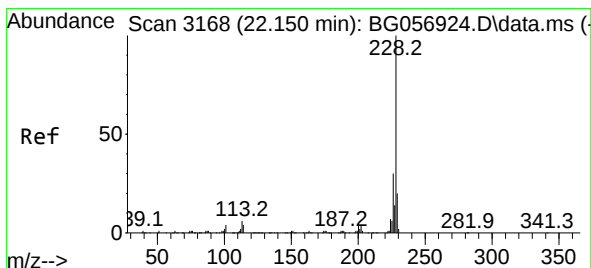
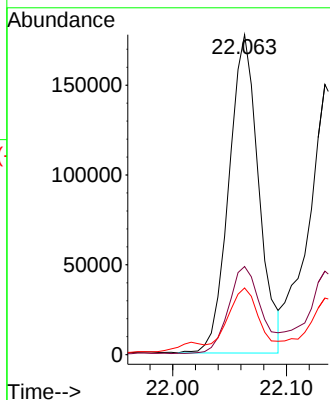
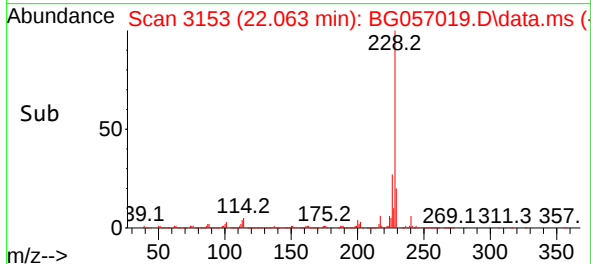
Instrument :
BNA_G
ClientSampleId :
RS-D



Tgt Ion:228 Resp: 323131
Ion Ratio Lower Upper
228 100
226 27.5 22.1 33.1
229 20.8 16.1 24.1

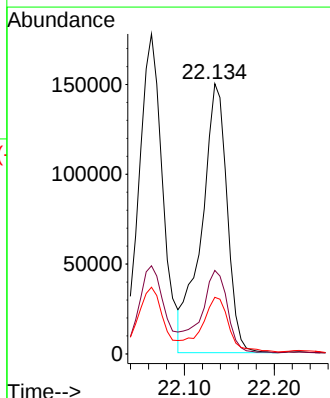
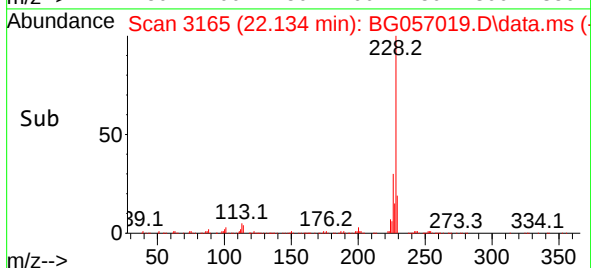
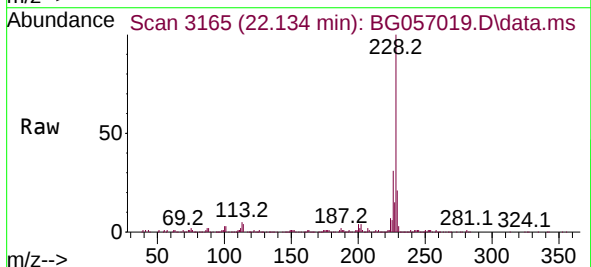
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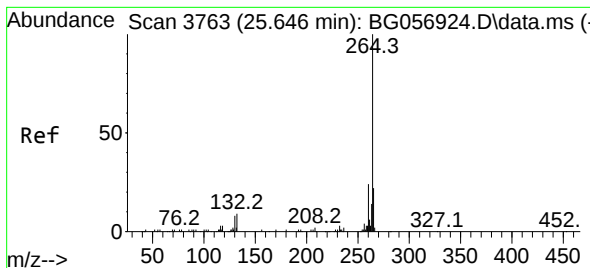
Reviewed By :Christian Giraldo 04/07/2023
Supervised By :Jagrut Upadhyay 04/07/2023



#83
Chrysene
Concen: 44.578 ng
RT: 22.134 min Scan# 3165
Delta R.T. -0.002 min
Lab File: BG057019.D
Acq: 6 Apr 2023 19:44

Tgt Ion:228 Resp: 297066
Ion Ratio Lower Upper
228 100
226 30.9 24.1 36.1
229 20.9 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.629 min Scan# 31

Delta R.T. 0.004 min

Lab File: BG057019.D

Acq: 6 Apr 2023 19:44

Instrument :

BNA_G

ClientSampleId :

RS-D

Tgt Ion:264 Resp: 115410

Ion Ratio Lower Upper

264 100

260 24.7 19.0 28.4

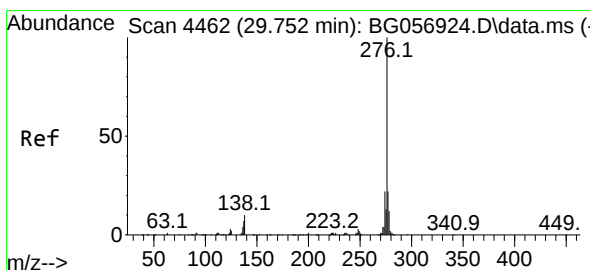
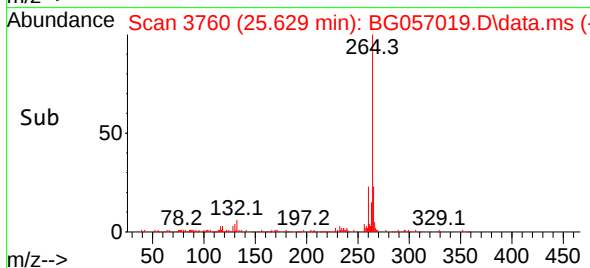
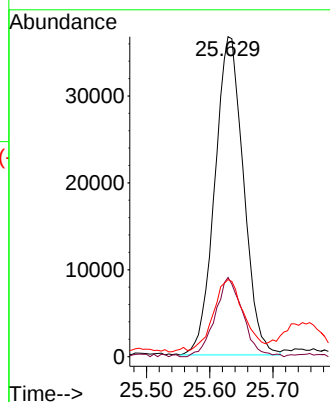
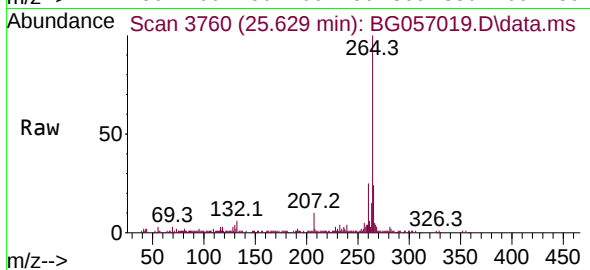
265 24.1 17.8 26.6

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Reviewed By :Christian Giraldo 04/07/2023

Supervised By :Jagrut Upadhyay 04/07/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 23.941 ng

RT: 29.729 min Scan# 4458

Delta R.T. 0.004 min

Lab File: BG057019.D

Acq: 6 Apr 2023 19:44

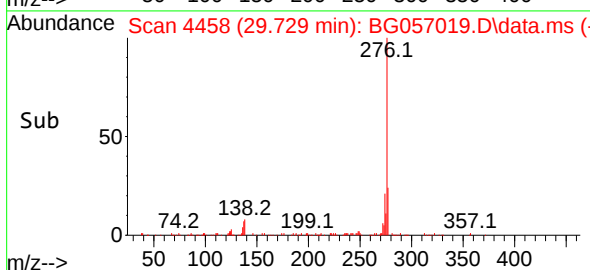
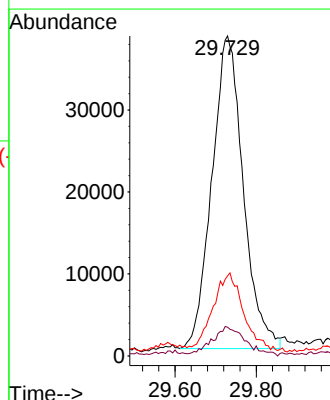
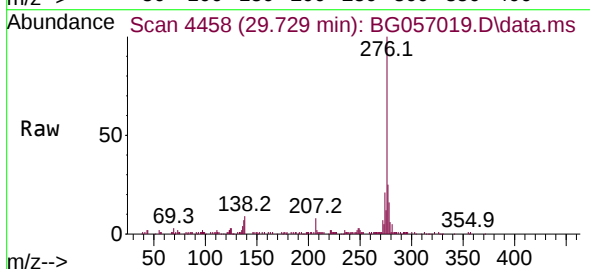
Tgt Ion:276 Resp: 204201

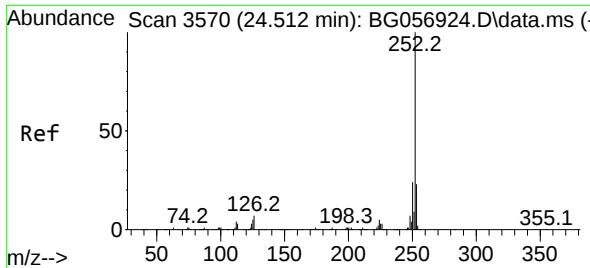
Ion Ratio Lower Upper

276 100

138 10.1 7.7 11.5

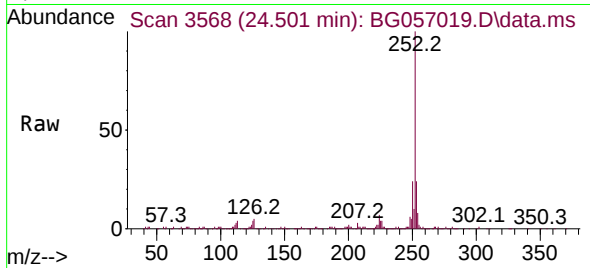
277 24.3 21.0 31.4





#88
Benzo(b)fluoranthene
Concen: 57.326 ng m
RT: 24.501 min Scan# 3568
Delta R.T. 0.010 min
Lab File: BG057019.D
Acq: 6 Apr 2023 19:44

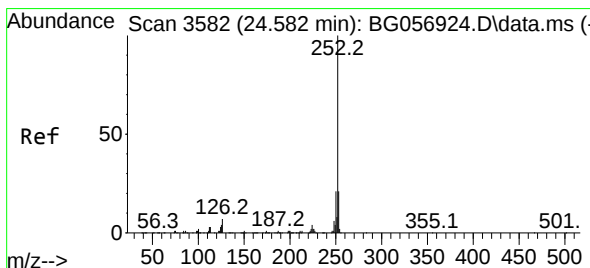
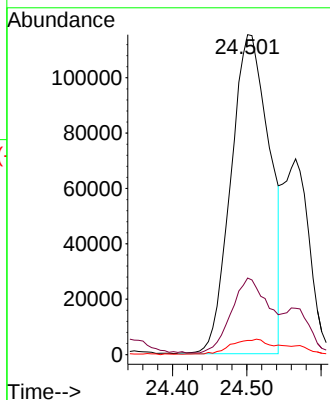
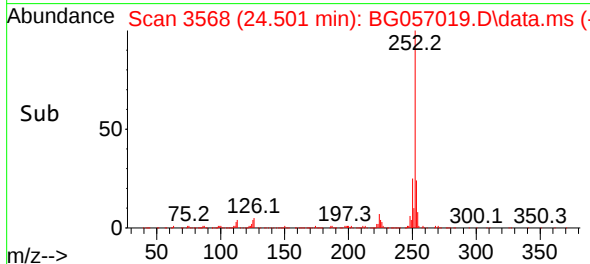
Instrument :
BNA_G
ClientSampleId :
RS-D



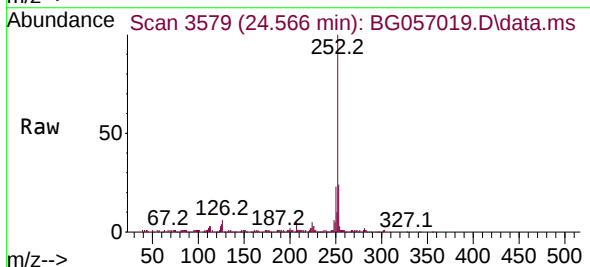
Tgt Ion:252 Resp: 413716
Ion Ratio Lower Upper
252 100
253 23.9 18.1 27.1
125 4.4 4.2 6.4

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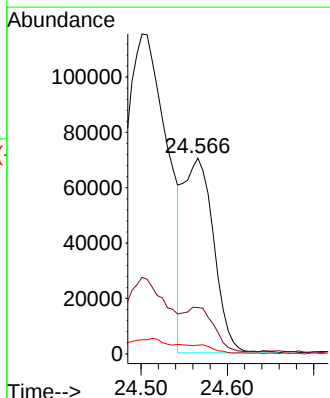
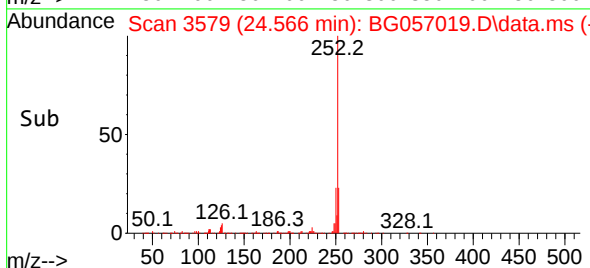
Reviewed By :Christian Giraldo 04/07/2023
Supervised By :Jagrut Upadhyay 04/07/2023

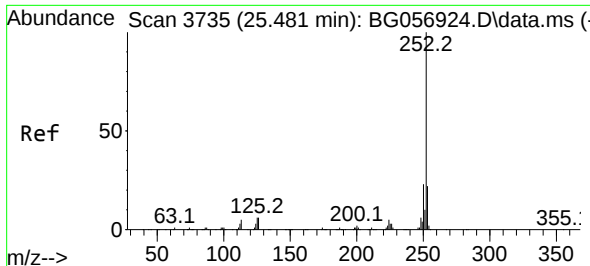


#89
Benzo(k)fluoranthene
Concen: 23.870 ng m
RT: 24.566 min Scan# 3579
Delta R.T. -0.002 min
Lab File: BG057019.D
Acq: 6 Apr 2023 19:44



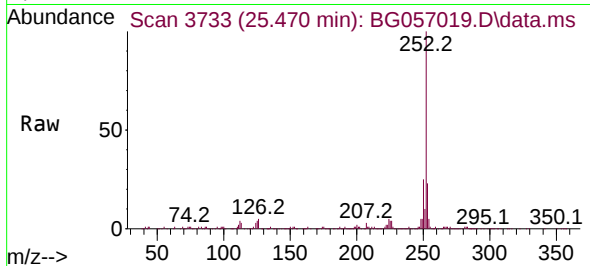
Tgt Ion:252 Resp: 171979
Ion Ratio Lower Upper
252 100
253 23.6 17.1 25.7
125 4.5 3.8 5.6





#90
Benzo(a)pyrene
Concen: 47.430 ng m
RT: 25.470 min Scan# 31
Delta R.T. 0.010 min
Lab File: BG057019.D
Acq: 6 Apr 2023 19:44

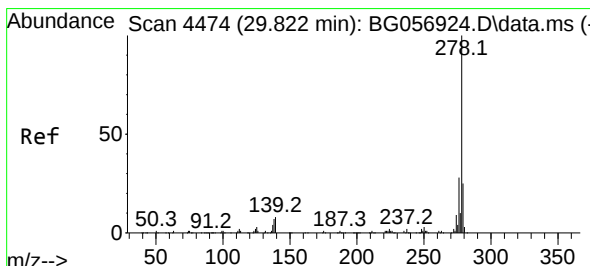
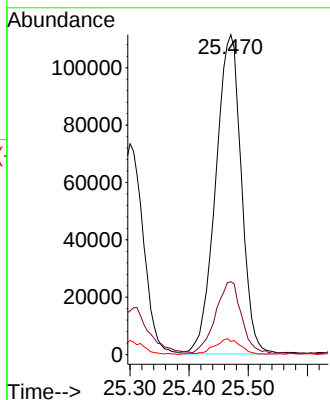
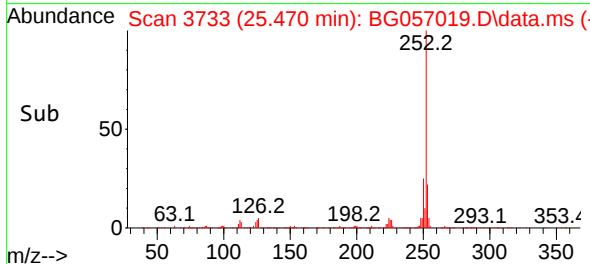
Instrument :
BNA_G
ClientSampleId :
RS-D



Tgt Ion:252 Resp: 33636
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 4.1 4.5 6.7

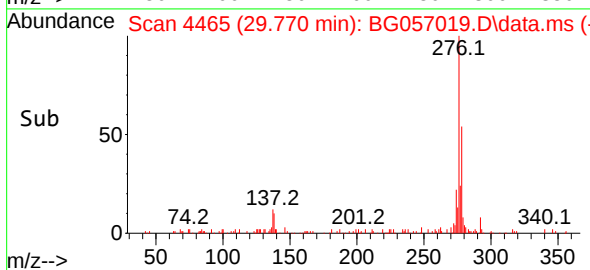
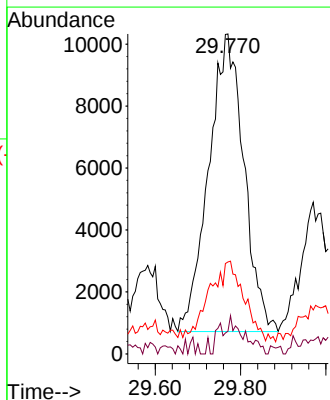
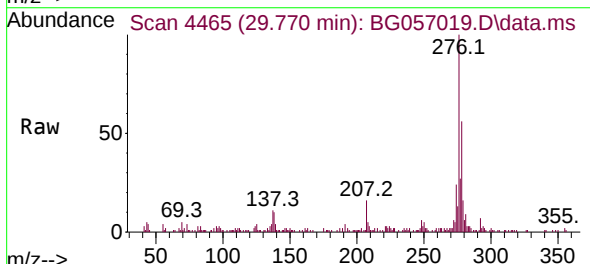
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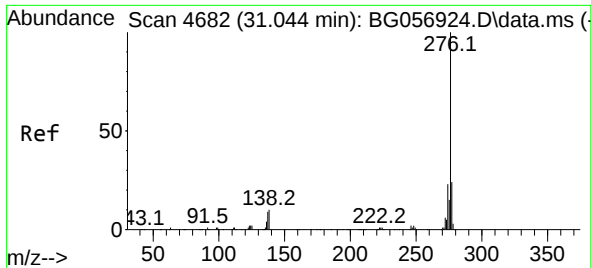
Reviewed By :Christian Giraldo 04/07/2023
Supervised By :Jagrut Upadhyay 04/07/2023



#91
Dibenzo(a,h)anthracene
Concen: 7.848 ng
RT: 29.770 min Scan# 4465
Delta R.T. -0.020 min
Lab File: BG057019.D
Acq: 6 Apr 2023 19:44

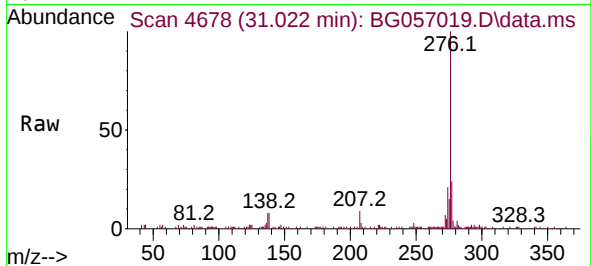
Tgt Ion:278 Resp: 55022
Ion Ratio Lower Upper
278 100
139 7.1 6.4 9.6
279 28.7 20.2 30.2





#92
 Benzo(g,h,i)perylene
 Concen: 28.221 ng
 RT: 31.022 min Scan# 4678
 Delta R.T. 0.010 min
 Lab File: BG057019.D
 Acq: 6 Apr 2023 19:44

Instrument :
 BNA_G
 ClientSampleId :
 RS-D



Tgt Ion:276 Resp: 193740
 Ion Ratio Lower Upper
 276 100
 277 24.5 19.1 28.7
 138 7.8 8.2 12.2

Manual Integrations
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Reviewed By :Christian Giraldo 04/07/2023
 Supervised By :Jagrut Upadhyay 04/07/2023

