

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121922\
 Data File : BG056019.D
 Acq On : 19 Dec 2022 18:49
 Operator : CG/JU
 Sample : N6026-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-29-SB02

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/20/2022
 Supervised By : mohammad ahmed 12/20/2022

Quant Time: Dec 20 01:07:28 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 20 01:01:12 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.365	152	9502	20.000	ng	0.00
21) Naphthalene-d8	11.203	136	35400	20.000	ng	# 0.00
39) Acenaphthene-d10	14.975	164	30224	20.000	ng	0.00
64) Phenanthrene-d10	17.713	188	78867	20.000	ng	0.00
76) Chrysene-d12	22.019	240	82387	20.000	ng	-0.01
86) Perylene-d12	25.521	264	102442	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.885	112	48203	118.969	ng	0.00
7) Phenol-d6	7.495	99	57587	110.509	ng	0.00
23) Nitrobenzene-d5	9.540	82	39409	77.796	ng	0.00
42) 2,4,6-Tribromophenol	16.450	330	82703	113.480	ng	-0.01
45) 2-Fluorobiphenyl	13.606	172	141790	65.795	ng	0.00
79) Terphenyl-d14	20.286	244	294110	63.093	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.256	128	5135	2.749	ng	# 93
49) Acenaphthylene	14.699	152	11610	4.370	ng	95
71) Phenanthrene	17.754	178	26167	6.331	ng	99
75) Fluoranthene	19.752	202	52714	9.108	ng	99
78) Pyrene	20.104	202	57675	11.569	ng	99
81) Benzo(a)anthracene	22.002	228	49305m	8.505	ng	
83) Chrysene	22.066	228	52212	9.609	ng	95
87) Indeno(1,2,3-cd)pyrene	29.534	276	64766	7.862	ng	# 94
88) Benzo(b)fluoranthene	24.399	252	76145	11.485	ng	# 95
89) Benzo(k)fluoranthene	24.464	252	24140m	3.649	ng	
90) Benzo(a)pyrene	25.351	252	60030	10.712	ng	98
91) Dibenzo(a,h)anthracene	29.605	278	24794	3.596	ng	# 95
92) Benzo(g,h,i)perylene	30.803	276	65609	9.842	ng	95

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

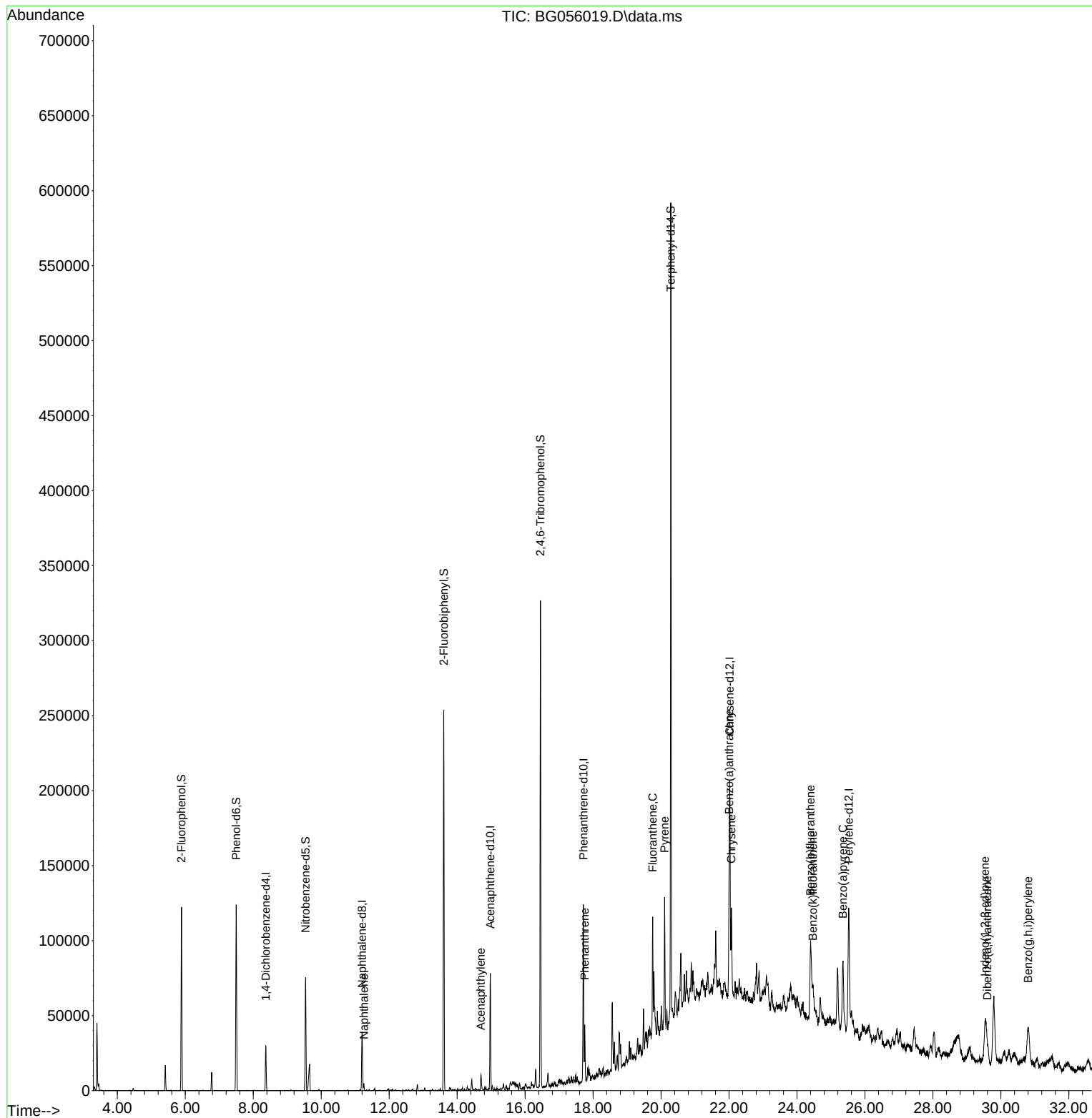
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121922\
Data File : BG056019.D
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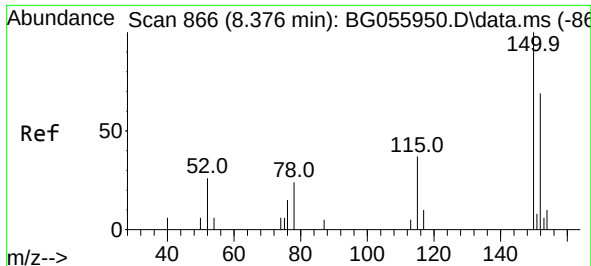
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Quant Time: Dec 20 01:07:28 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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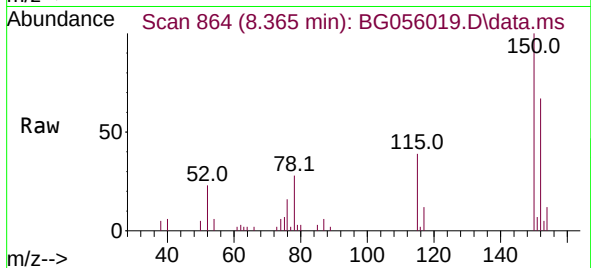
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :mohammad ahmed 12/20/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.365 min Scan# 866
Delta R.T. 0.001 min
Lab File: BG056019.D
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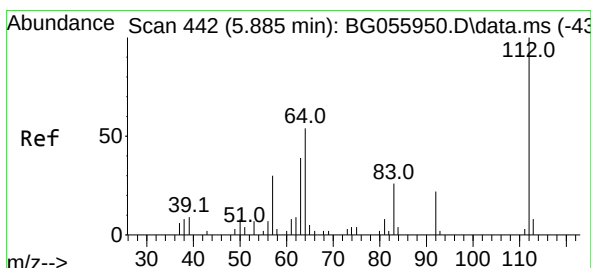
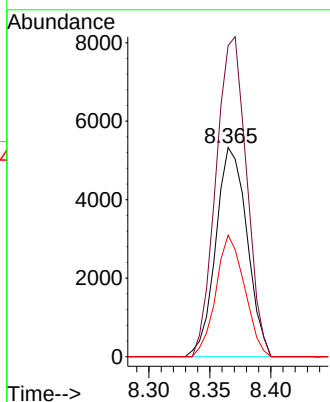
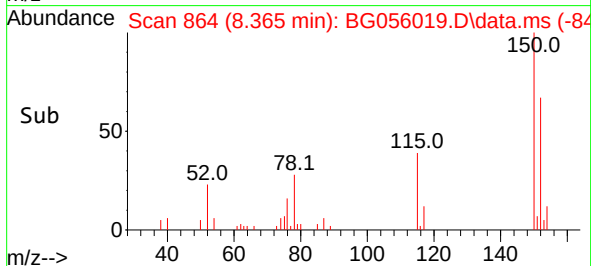
Instrument :
BNA_G
ClientSampleId :
B-29-SB02



Tgt Ion:152 Resp: 950
Ion Ratio Lower Upper
152 100
150 148.7 115.7 173.5
115 58.2 43.0 64.4

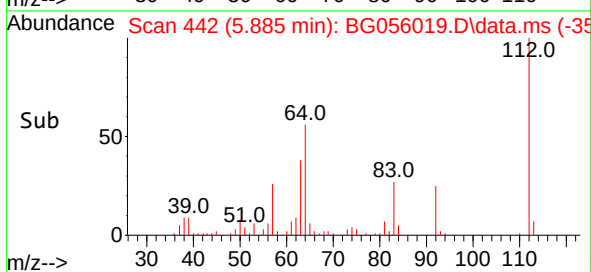
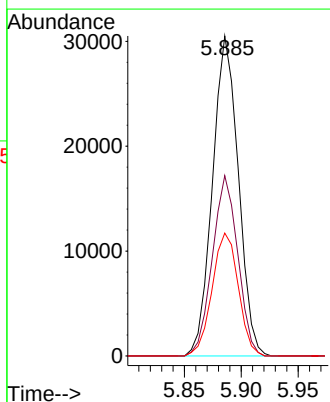
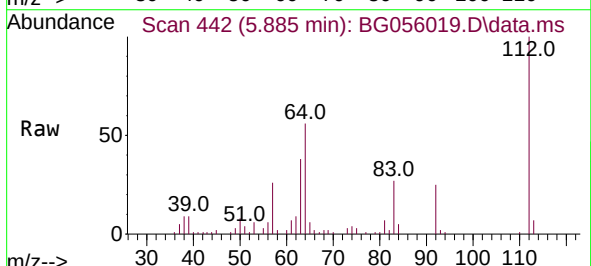
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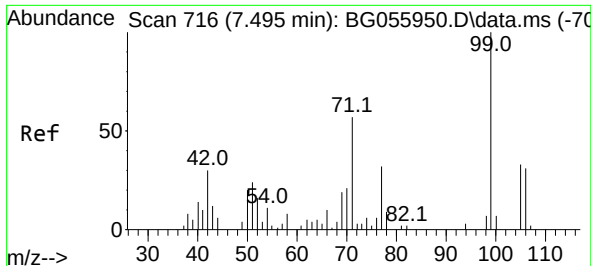
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Supervised By :mohammad ahmed 12/20/2022



#5
2-Fluorophenol
Concen: 118.969 ng
RT: 5.885 min Scan# 442
Delta R.T. 0.001 min
Lab File: BG056019.D
Acq: 19 Dec 2022 18:49

Tgt Ion:112 Resp: 48203
Ion Ratio Lower Upper
112 100
64 56.4 43.0 64.4
63 38.4 31.4 47.2





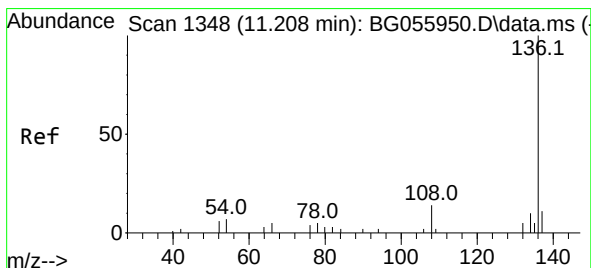
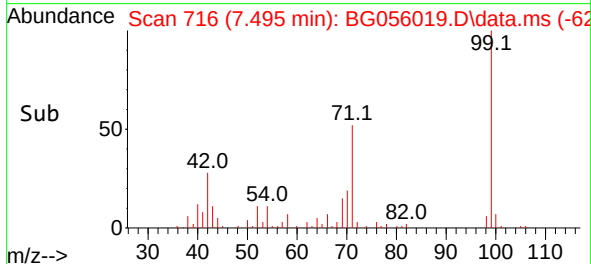
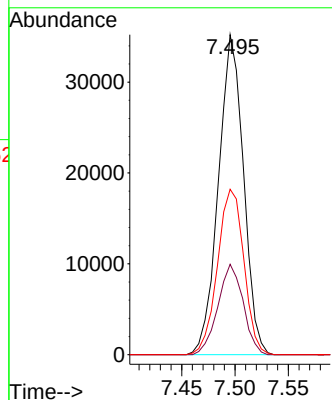
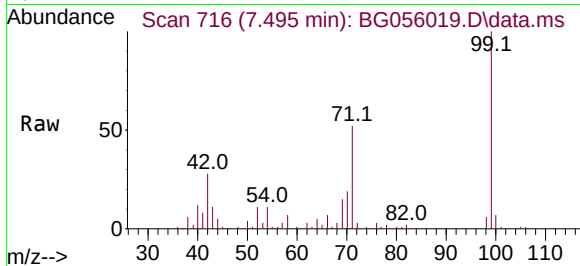
#7
Phenol-d6
Concen: 110.509 ng
RT: 7.495 min Scan# 716
Delta R.T. 0.001 min
Lab File: BG056019.D
Acq: 19 Dec 2022 18:49

Instrument :
BNA_G
ClientSampleId :
B-29-SB02

Tgt Ion: 99 Resp: 5758
Ion Ratio Lower Upper
99 100
42 28.3 24.3 36.5
71 51.7 45.6 68.4

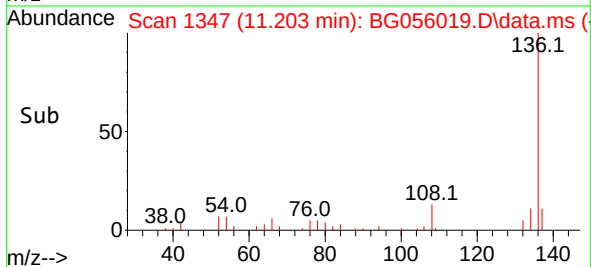
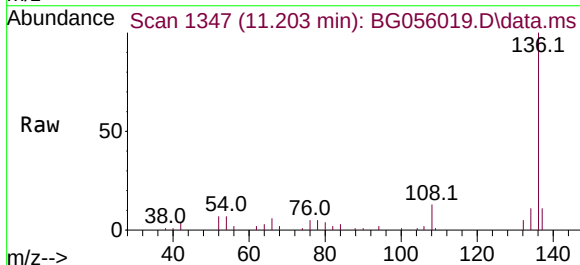
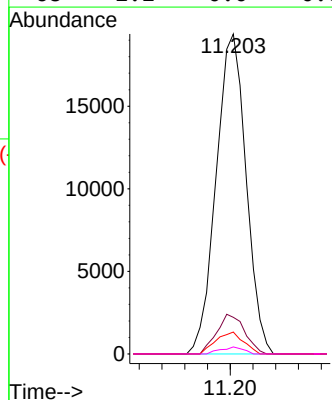
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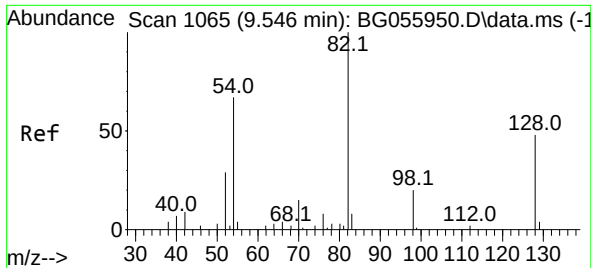
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :mohammad ahmed 12/20/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.203 min Scan# 1347
Delta R.T. -0.005 min
Lab File: BG056019.D
Acq: 19 Dec 2022 18:49

Tgt Ion:136 Resp: 35400
Ion Ratio Lower Upper
136 100
137 11.5 9.2 13.8
54 6.8 5.6 8.4
68 2.2 0.0 0.0#





#23
Nitrobenzene-d5
Concen: 77.796 ng
RT: 9.540 min Scan# 1064
Delta R.T. -0.005 min
Lab File: BG056019.D
Acq: 19 Dec 2022 18:49

Instrument :

BNA_G

ClientSampleId :

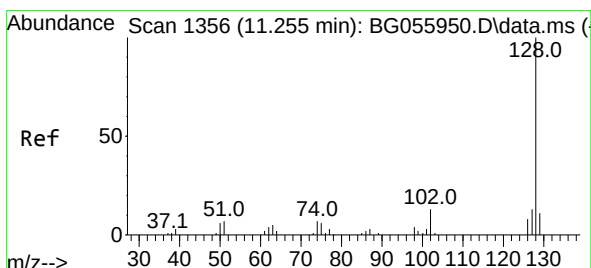
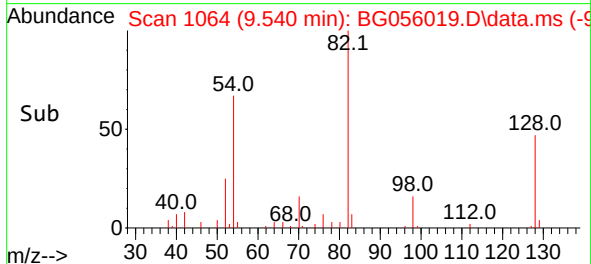
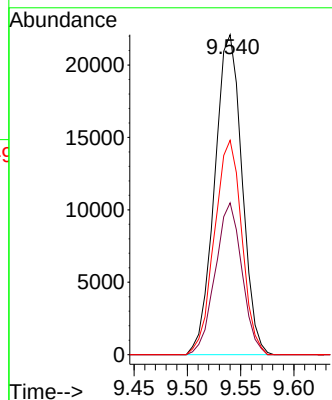
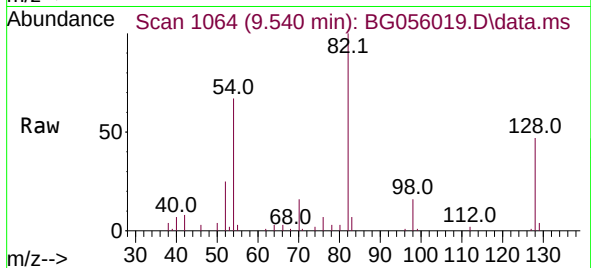
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Tgt Ion: 82 Resp: 39409
Ion Ratio Lower Upper
82 100
128 47.5 38.4 57.6
54 67.0 53.3 79.9

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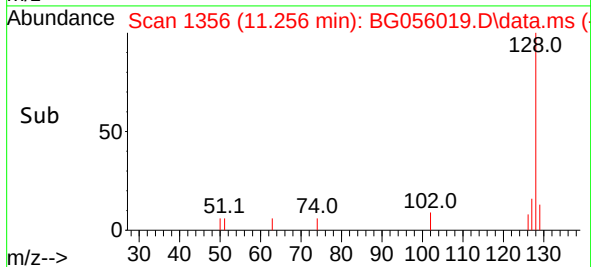
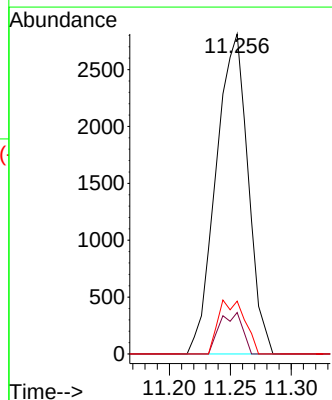
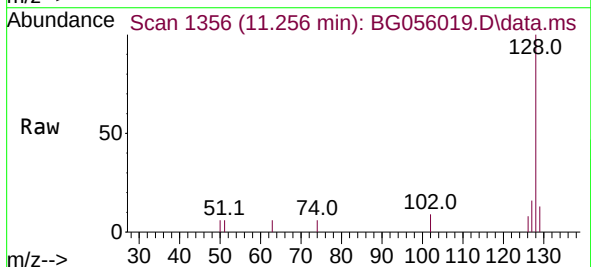
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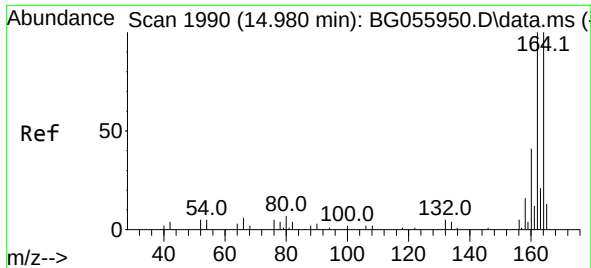
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :mohammad ahmed 12/20/2022



#31
Naphthalene
Concen: 2.749 ng
RT: 11.256 min Scan# 1356
Delta R.T. 0.001 min
Lab File: BG056019.D
Acq: 19 Dec 2022 18:49

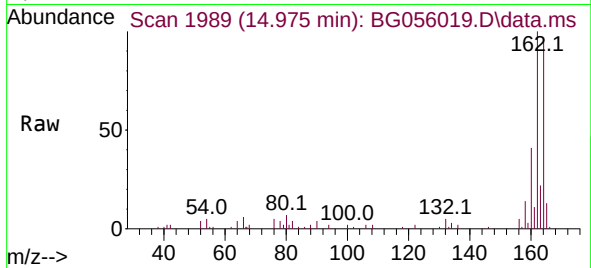
Tgt Ion:128 Resp: 5135
Ion Ratio Lower Upper
128 100
129 13.0 8.7 13.1
127 16.5 10.3 15.5#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.975 min Scan# 1990
Delta R.T. -0.005 min
Lab File: BG056019.D
Acq: 19 Dec 2022 18:49

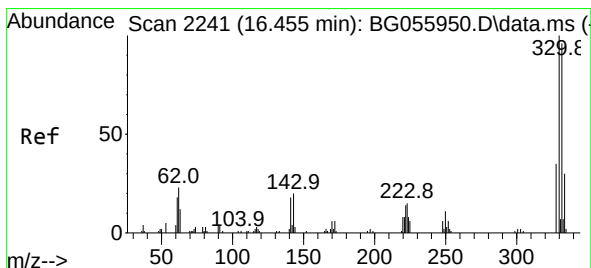
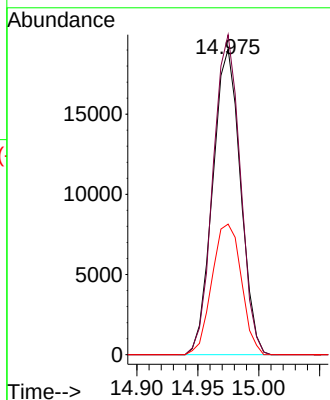
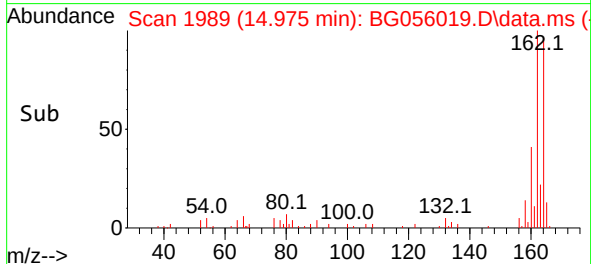
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ClientSampleId :
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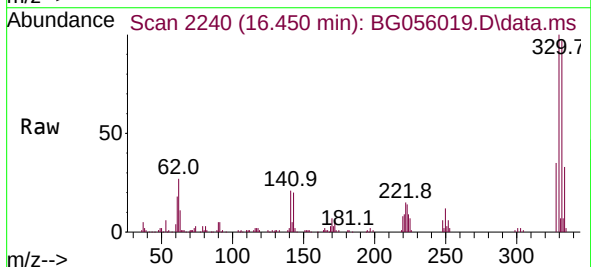
Tgt Ion:164 Resp: 30224
Ion Ratio Lower Upper
164 100
162 104.7 79.8 119.8
160 42.7 33.0 49.4

Manual Integrations
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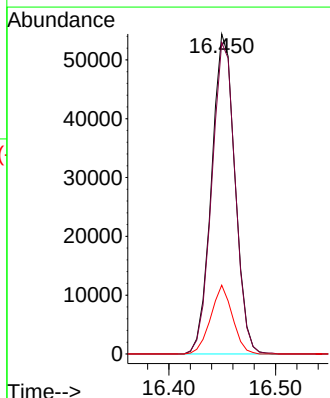
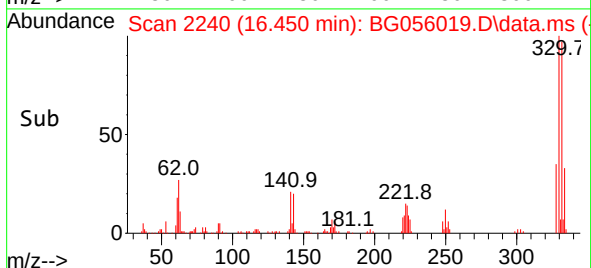
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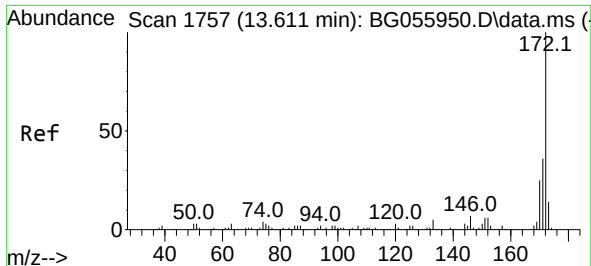


#42
2,4,6-Tribromophenol
Concen: 113.480 ng
RT: 16.450 min Scan# 2240
Delta R.T. -0.011 min
Lab File: BG056019.D
Acq: 19 Dec 2022 18:49



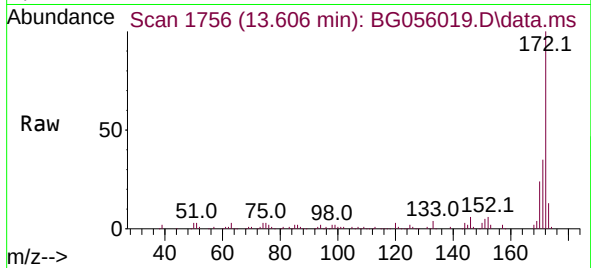
Tgt Ion:330 Resp: 82703
Ion Ratio Lower Upper
330 100
332 97.3 76.6 114.8
141 20.0 15.0 22.4





#45
2-Fluorobiphenyl
Concen: 65.795 ng
RT: 13.606 min Scan# 1756
Delta R.T. -0.005 min
Lab File: BG056019.D
Acq: 19 Dec 2022 18:49

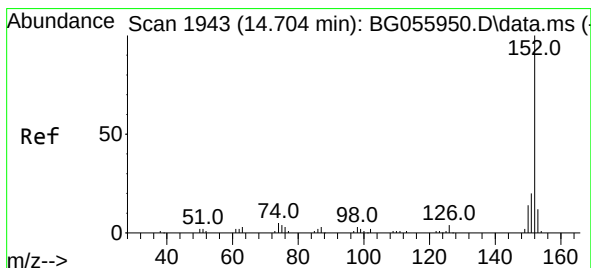
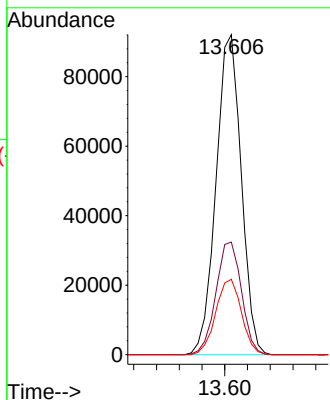
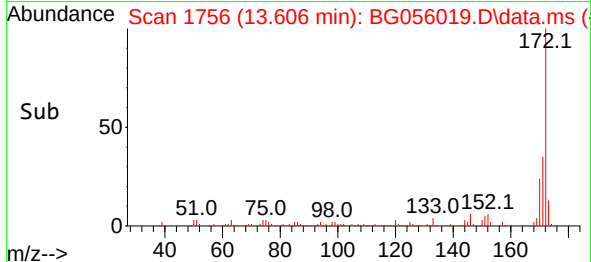
Instrument :
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ClientSampleId :
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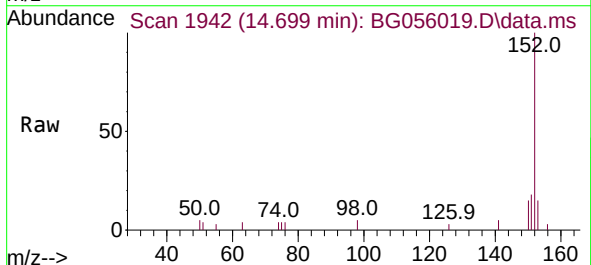
Tgt Ion:172 Resp: 141790
Ion Ratio Lower Upper
172 100
171 35.2 28.6 42.8
170 23.5 19.9 29.9

Manual Integrations
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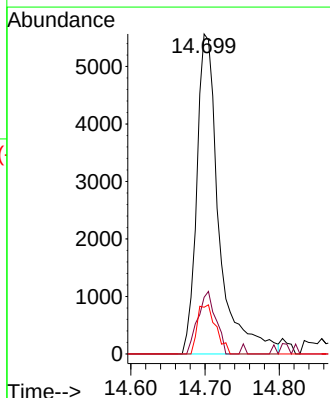
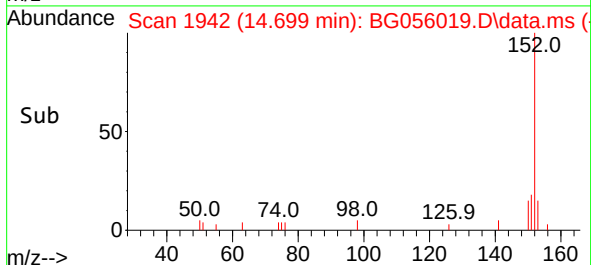
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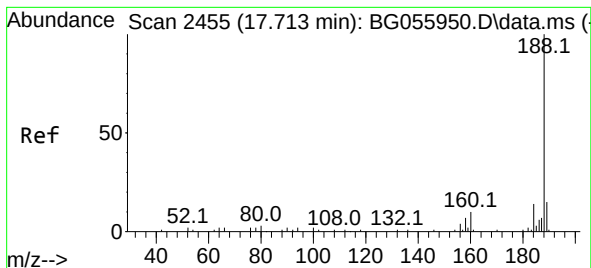


#49
Acenaphthylene
Concen: 4.370 ng
RT: 14.699 min Scan# 1942
Delta R.T. -0.011 min
Lab File: BG056019.D
Acq: 19 Dec 2022 18:49



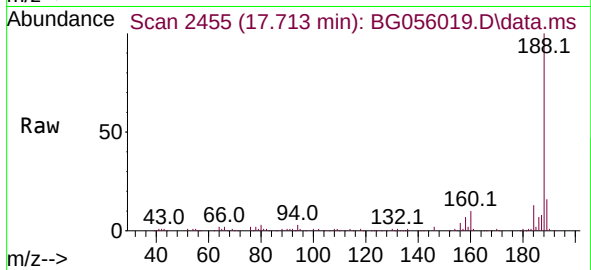
Tgt Ion:152 Resp: 11610
Ion Ratio Lower Upper
152 100
151 17.7 15.8 23.8
153 14.6 10.0 15.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.713 min Scan# 2455
Delta R.T. -0.005 min
Lab File: BG056019.D
Acq: 19 Dec 2022 18:49

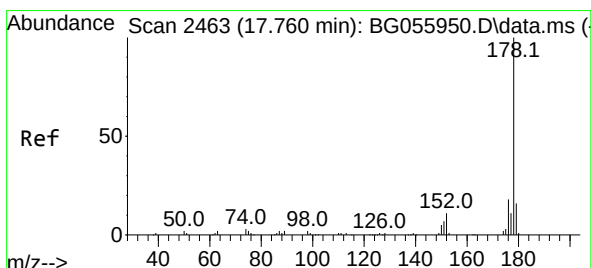
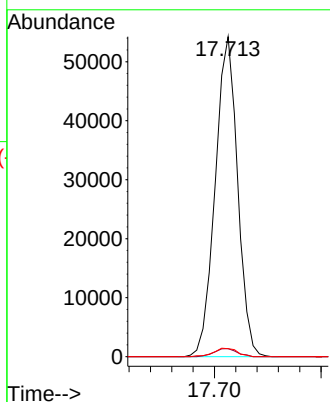
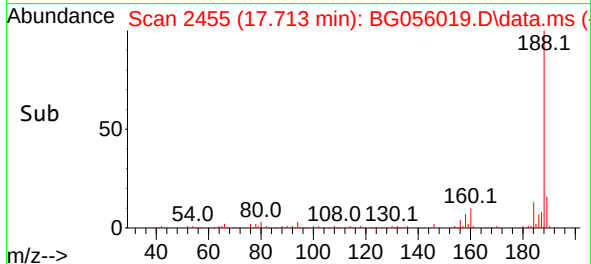
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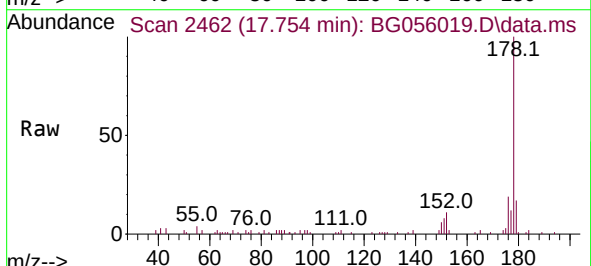
Tgt Ion:188 Resp: 7886
Ion Ratio Lower Upper
188 100
94 2.5 1.8 2.8
80 2.5 2.4 3.6

Manual Integrations
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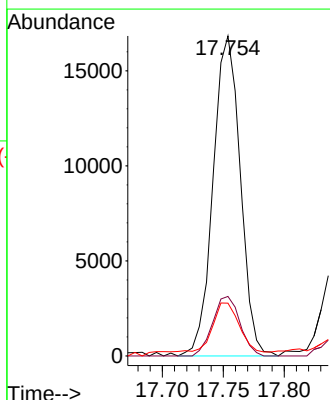
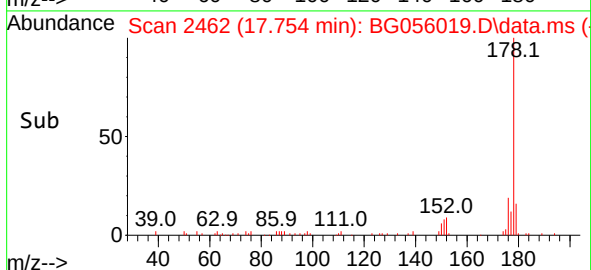
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :mohammad ahmed 12/20/2022

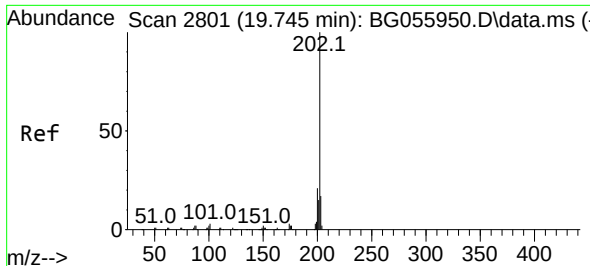


#71
Phenanthrene
Concen: 6.331 ng
RT: 17.754 min Scan# 2462
Delta R.T. -0.005 min
Lab File: BG056019.D
Acq: 19 Dec 2022 18:49



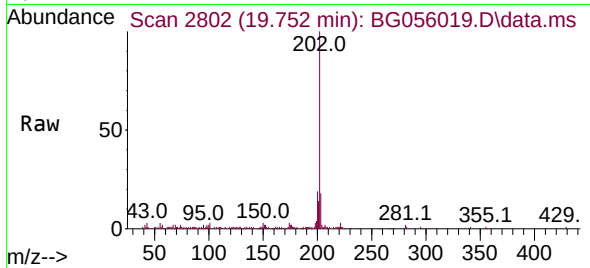
Tgt Ion:178 Resp: 26167
Ion Ratio Lower Upper
178 100
176 18.6 14.4 21.6
179 16.5 12.7 19.1





#75
Fluoranthene
Concen: 9.108 ng
RT: 19.752 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG056019.D
Acq: 19 Dec 2022 18:49

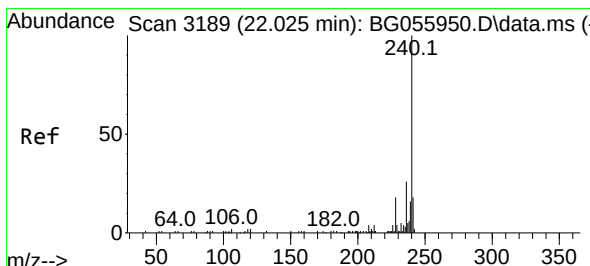
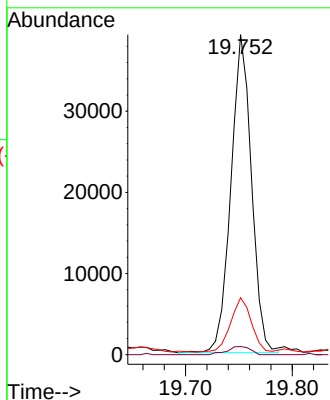
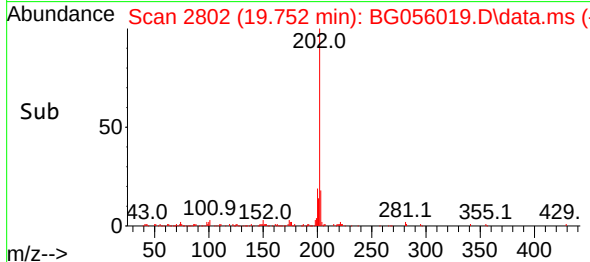
Instrument :
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Tgt Ion:202 Resp: 52714
Ion Ratio Lower Upper
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101 2.5 0.0 22.6
203 17.8 0.0 37.1

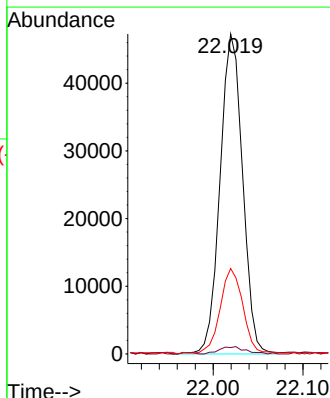
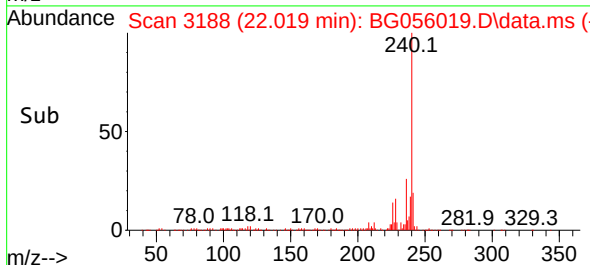
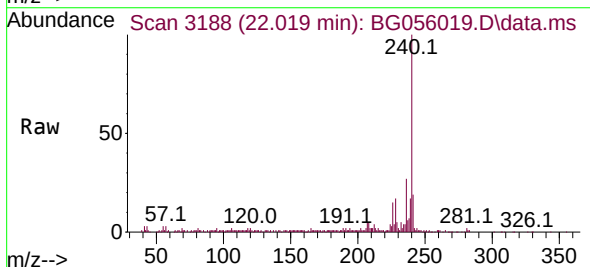
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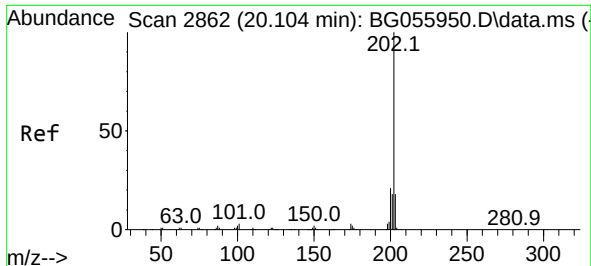
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :mohammad ahmed 12/20/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.019 min Scan# 3188
Delta R.T. -0.011 min
Lab File: BG056019.D
Acq: 19 Dec 2022 18:49

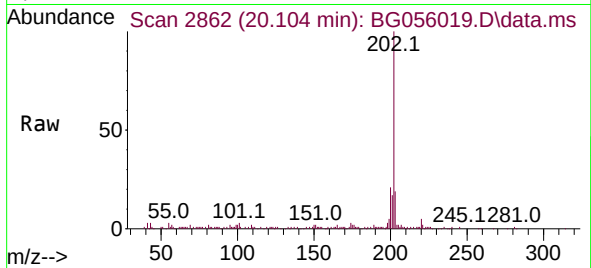
Tgt Ion:240 Resp: 82387
Ion Ratio Lower Upper
240 100
120 2.0 1.7 2.5
236 26.7 21.1 31.7





#78
Pyrene
Concen: 11.569 ng
RT: 20.104 min Scan# 2862
Delta R.T. -0.005 min
Lab File: BG056019.D
Acq: 19 Dec 2022 18:49

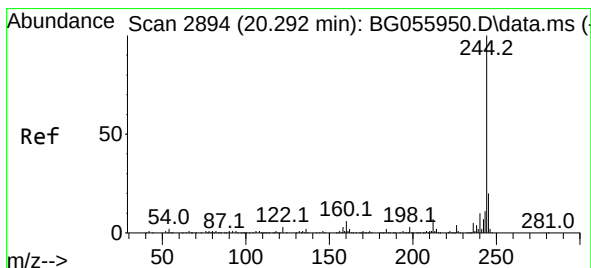
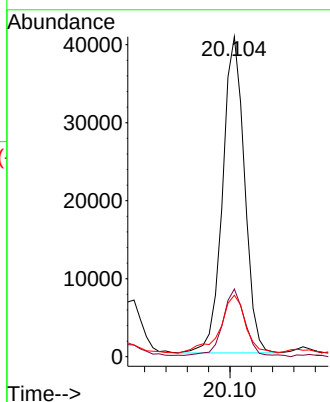
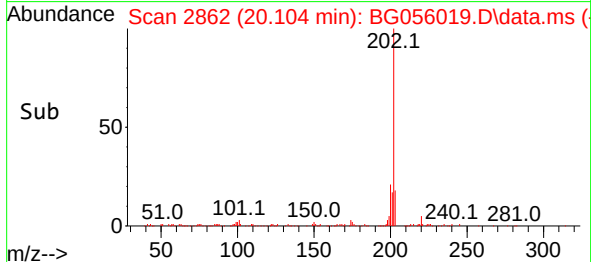
Instrument :
BNA_G
ClientSampleId :
B-29-SB02



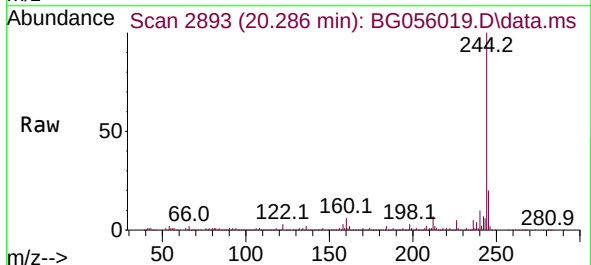
Tgt Ion:202 Resp: 57679
Ion Ratio Lower Upper
202 100
200 21.2 16.7 25.1
203 19.2 14.6 21.8

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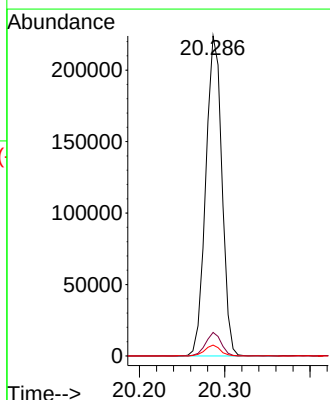
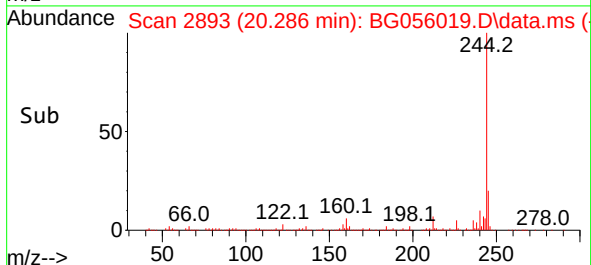
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :mohammad ahmed 12/20/2022

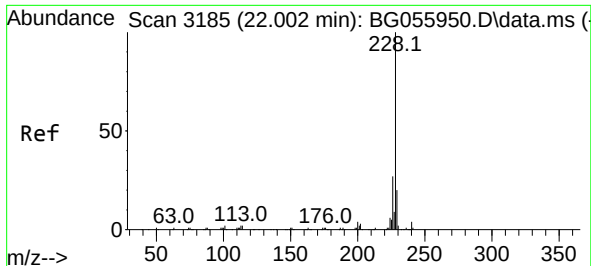


#79
Terphenyl-d14
Concen: 63.093 ng
RT: 20.286 min Scan# 2893
Delta R.T. -0.005 min
Lab File: BG056019.D
Acq: 19 Dec 2022 18:49



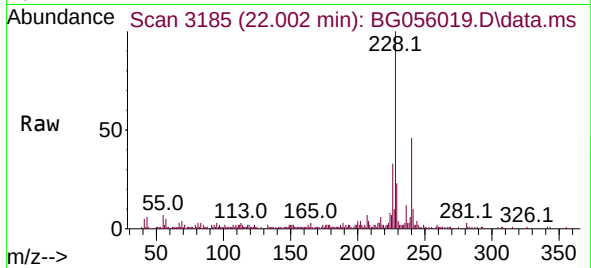
Tgt Ion:244 Resp: 294110
Ion Ratio Lower Upper
244 100
212 7.3 5.8 8.6
122 3.4 2.5 3.7





#81
Benzo(a)anthracene
Concen: 8.505 ng m
RT: 22.002 min Scan# 3185
Delta R.T. -0.005 min
Lab File: BG056019.D
Acq: 19 Dec 2022 18:49

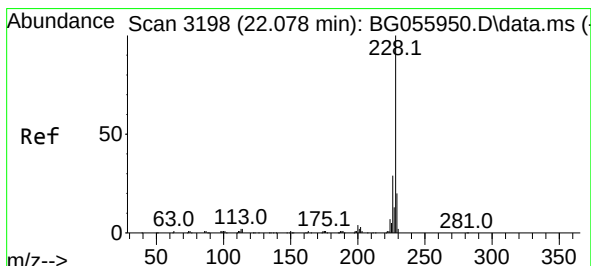
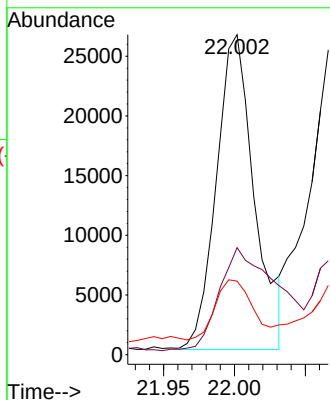
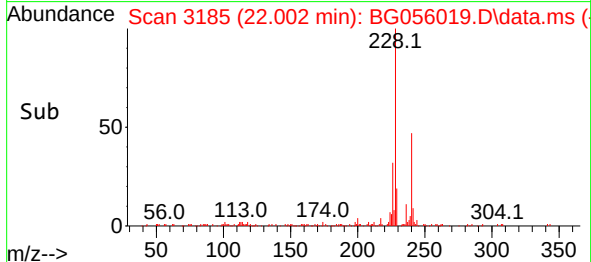
Instrument :
BNA_G
ClientSampleId :
B-29-SB02



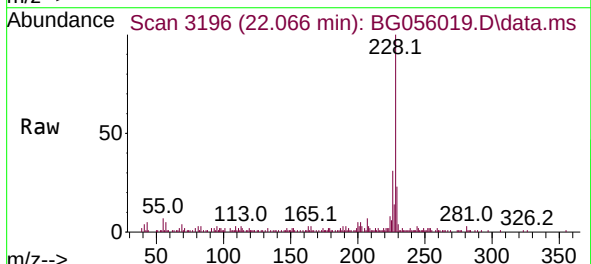
Tgt Ion:228 Resp: 4930
Ion Ratio Lower Upper
228 100
226 33.5 21.8 32.6
229 23.0 15.9 23.9

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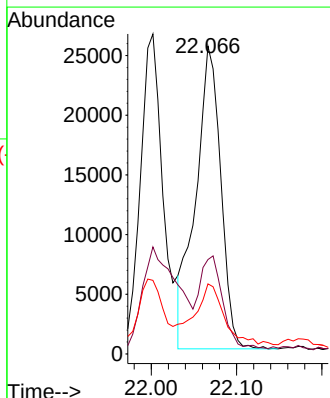
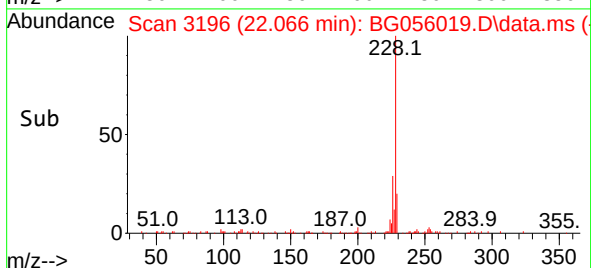
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :mohammad ahmed 12/20/2022

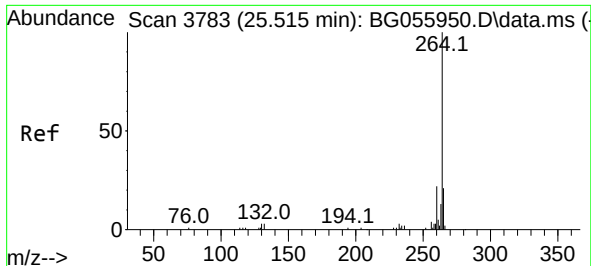


#83
Chrysene
Concen: 9.609 ng
RT: 22.066 min Scan# 3196
Delta R.T. -0.011 min
Lab File: BG056019.D
Acq: 19 Dec 2022 18:49



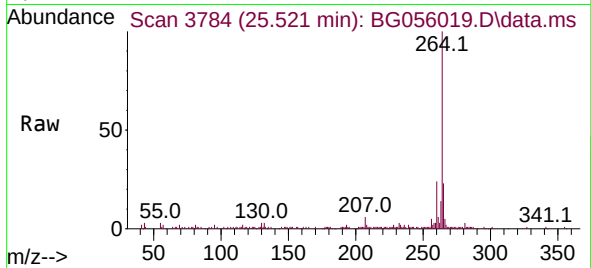
Tgt Ion:228 Resp: 52212
Ion Ratio Lower Upper
228 100
226 30.7 23.1 34.7
229 22.8 15.7 23.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.521 min Scan# 31
Delta R.T. -0.005 min
Lab File: BG056019.D
Acq: 19 Dec 2022 18:49

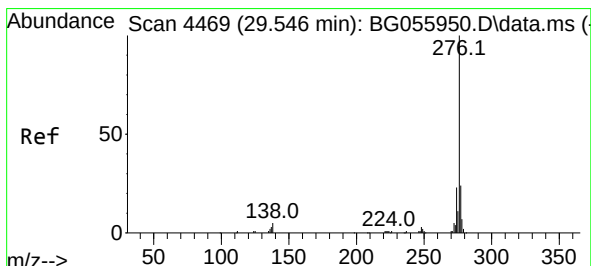
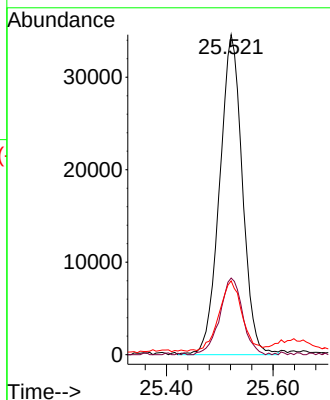
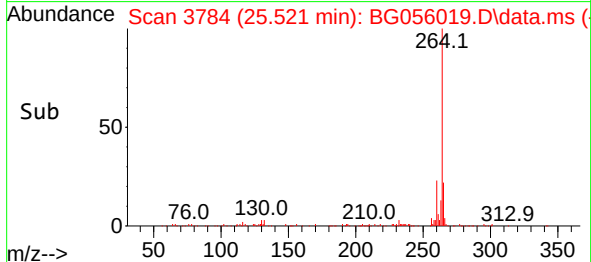
Instrument :
BNA_G
ClientSampleId :
B-29-SB02



Tgt Ion:264 Resp: 10244
Ion Ratio Lower Upper
264 100
260 23.9 17.8 26.8
265 23.1 16.6 25.0

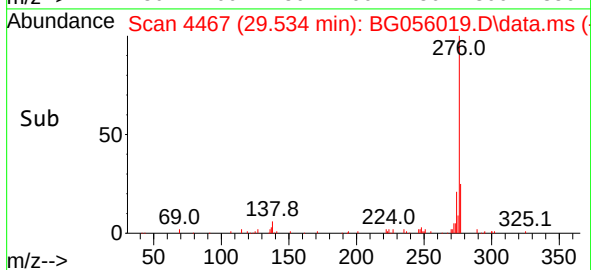
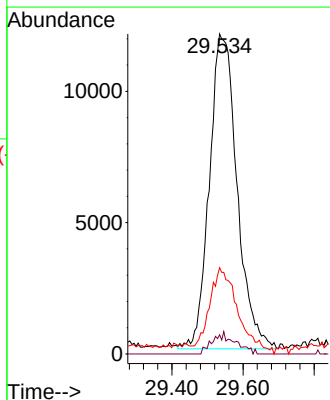
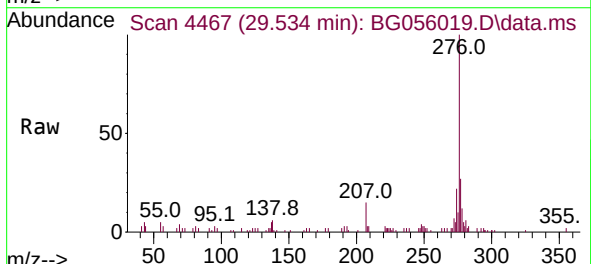
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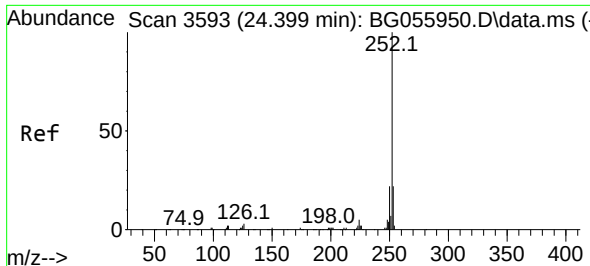
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :mohammad ahmed 12/20/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.862 ng
RT: 29.534 min Scan# 4467
Delta R.T. -0.023 min
Lab File: BG056019.D
Acq: 19 Dec 2022 18:49

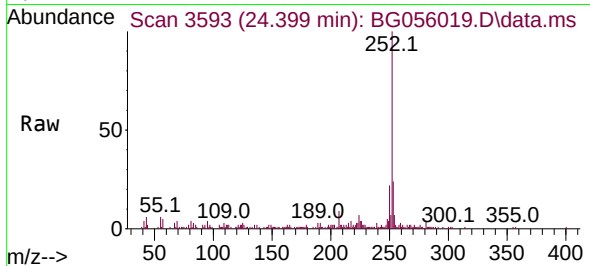
Tgt Ion:276 Resp: 64766
Ion Ratio Lower Upper
276 100
138 2.5 3.0 4.4#
277 28.7 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 11.485 ng
RT: 24.399 min Scan# 3593
Delta R.T. -0.005 min
Lab File: BG056019.D
Acq: 19 Dec 2022 18:49

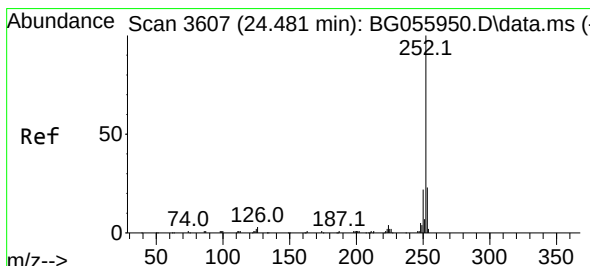
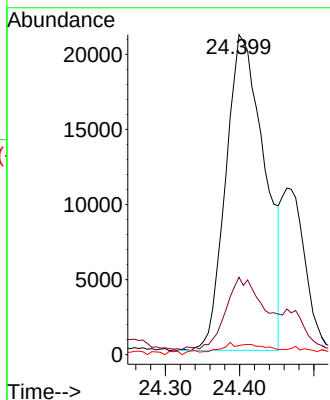
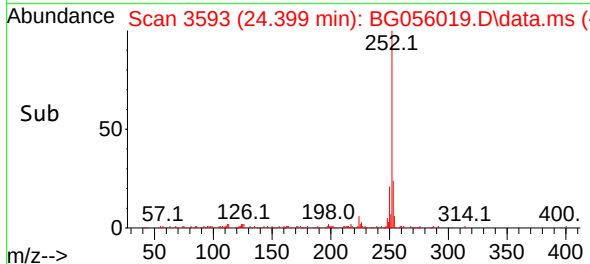
Instrument :
BNA_G
ClientSampleId :
B-29-SB02



Tgt Ion:252 Resp: 7614
Ion Ratio Lower Upper
252 100
253 24.2 17.4 26.0
125 2.9 1.8 2.8

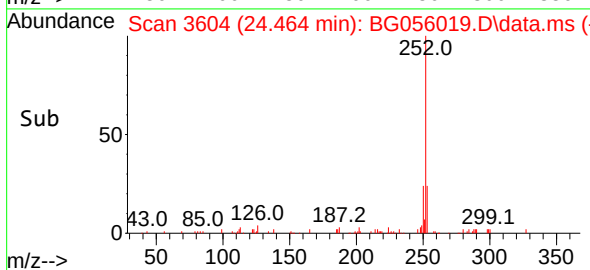
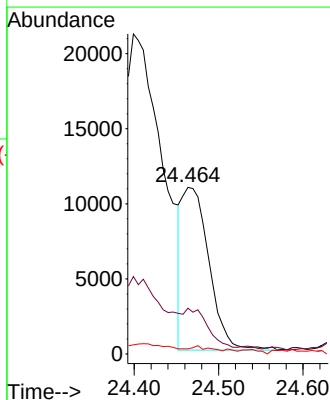
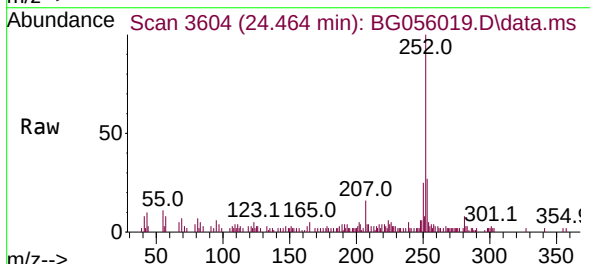
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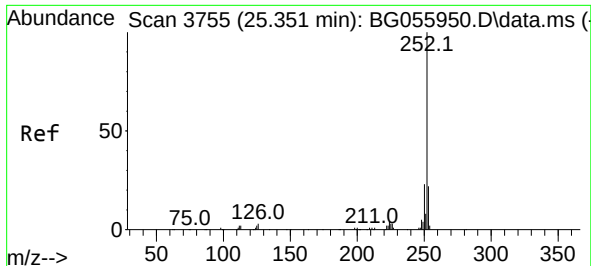
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :mohammad ahmed 12/20/2022



#89
Benzo(k)fluoranthene
Concen: 3.649 ng m
RT: 24.464 min Scan# 3604
Delta R.T. -0.023 min
Lab File: BG056019.D
Acq: 19 Dec 2022 18:49

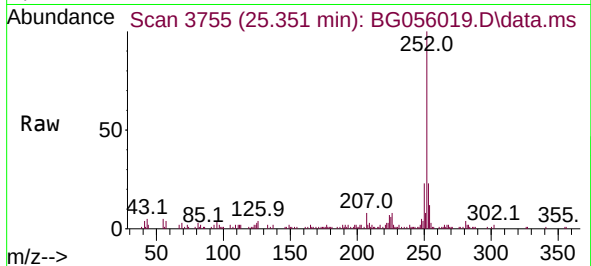
Tgt Ion:252 Resp: 24140
Ion Ratio Lower Upper
252 100
253 27.5 18.2 27.2#
125 3.0 2.0 3.0#





#90
Benzo(a)pyrene
Concen: 10.712 ng
RT: 25.351 min Scan# 31
Delta R.T. -0.011 min
Lab File: BG056019.D
Acq: 19 Dec 2022 18:49

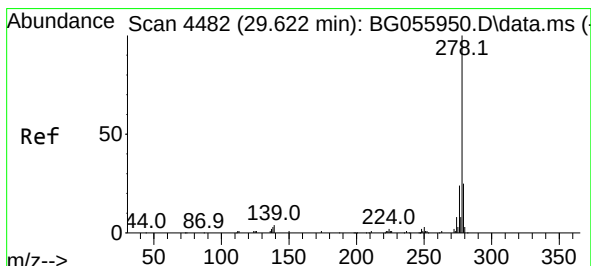
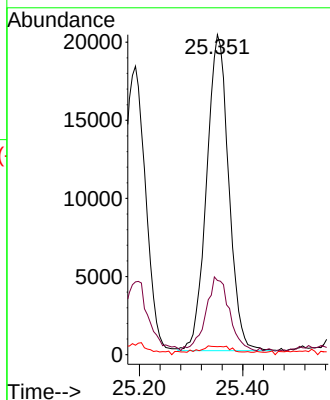
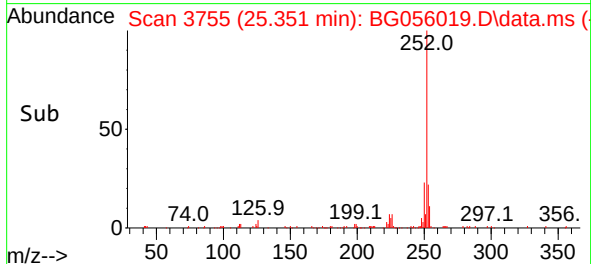
Instrument :
BNA_G
ClientSampleId :
B-29-SB02



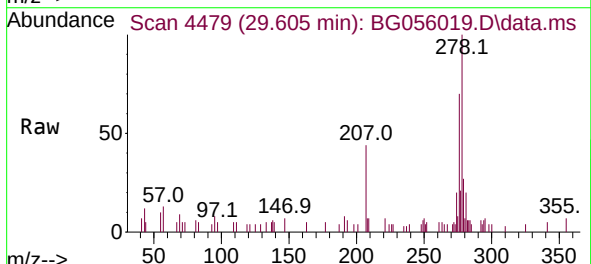
Tgt Ion:252 Resp: 60030
Ion Ratio Lower Upper
252 100
253 23.2 17.7 26.5
125 2.5 1.9 2.9

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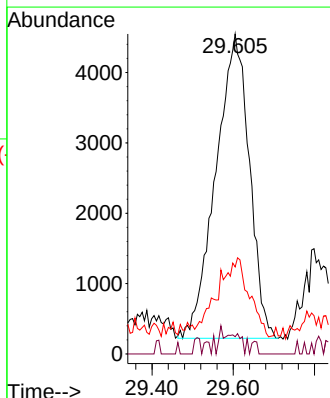
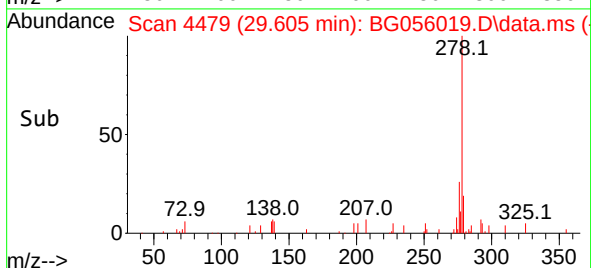
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :mohammad ahmed 12/20/2022

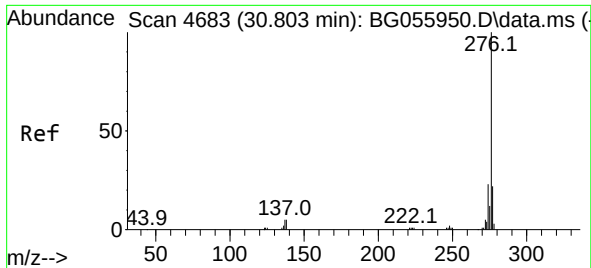


#91
Dibenzo(a,h)anthracene
Concen: 3.596 ng
RT: 29.605 min Scan# 4479
Delta R.T. -0.034 min
Lab File: BG056019.D
Acq: 19 Dec 2022 18:49



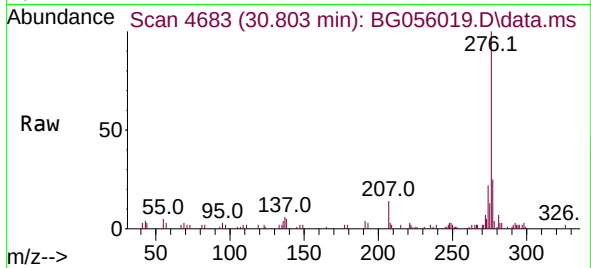
Tgt Ion:278 Resp: 24794
Ion Ratio Lower Upper
278 100
139 5.4 2.9 4.3#
279 27.2 20.0 30.0





#92
Benzo(g,h,i)perylene
Concen: 9.842 ng
RT: 30.803 min Scan# 40
Delta R.T. -0.028 min
Lab File: BG056019.D
Acq: 19 Dec 2022 18:49

Instrument :
BNA_G
ClientSampleId :
B-29-SB02



Tgt Ion:276 Resp: 65609
Ion Ratio Lower Upper
276 100
277 25.3 17.8 26.6
138 4.7 3.8 5.6

Manual Integrations
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Reviewed By :Christian Giraldo 12/20/2022
Supervised By :mohammad ahmed 12/20/2022

