

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
 Data File : BG056046.D
 Acq On : 21 Dec 2022 13:17
 Operator : CG/JU
 Sample : N6038-26
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RB-42-(0-2)

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/22/2022
 Supervised By : mohammad ahmed 12/22/2022

Quant Time: Dec 22 01:23:19 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 01:11:10 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.356	152	8681	20.000	ng	0.00
21) Naphthalene-d8	11.194	136	33334	20.000	ng	# 0.00
39) Acenaphthene-d10	14.966	164	31078	20.000	ng	0.00
64) Phenanthrene-d10	17.704	188	84272	20.000	ng	# 0.00
76) Chrysene-d12	22.010	240	85334	20.000	ng	0.00
86) Perylene-d12	25.494	264	103596	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.876	112	43086	116.397	ng	0.00
7) Phenol-d6	7.486	99	54348	114.157	ng	0.00
23) Nitrobenzene-d5	9.531	82	36019	75.511	ng	0.00
42) 2,4,6-Tribromophenol	16.446	330	79881	106.596	ng	0.00
45) 2-Fluorobiphenyl	13.597	172	128839	58.142	ng	0.00
79) Terphenyl-d14	20.277	244	265122	54.911	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.745	178	118764	26.892	ng	99
72) Anthracene	17.833	178	15296	3.501	ng	98
73) Carbazole	18.097	167	10779	2.991	ng	96
75) Fluoranthene	19.737	202	201624	32.603	ng	100
78) Pyrene	20.095	202	173324	33.566	ng	98
81) Benzo(a)anthracene	21.987	228	106848	17.794	ng	98
83) Chrysene	22.057	228	103461	18.384	ng	96
87) Indeno(1,2,3-cd)pyrene	29.507	276	79896	9.591	ng	# 92
88) Benzo(b)fluoranthene	24.384	252	151501	22.597	ng	99
89) Benzo(k)fluoranthene	24.449	252	47470m	7.096	ng	
90) Benzo(a)pyrene	25.330	252	107814	19.024	ng	98
91) Dibenzo(a,h)anthracene	29.566	278	22940	3.290	ng	# 95
92) Benzo(g,h,i)perylene	30.753	276	72831	10.803	ng	96

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

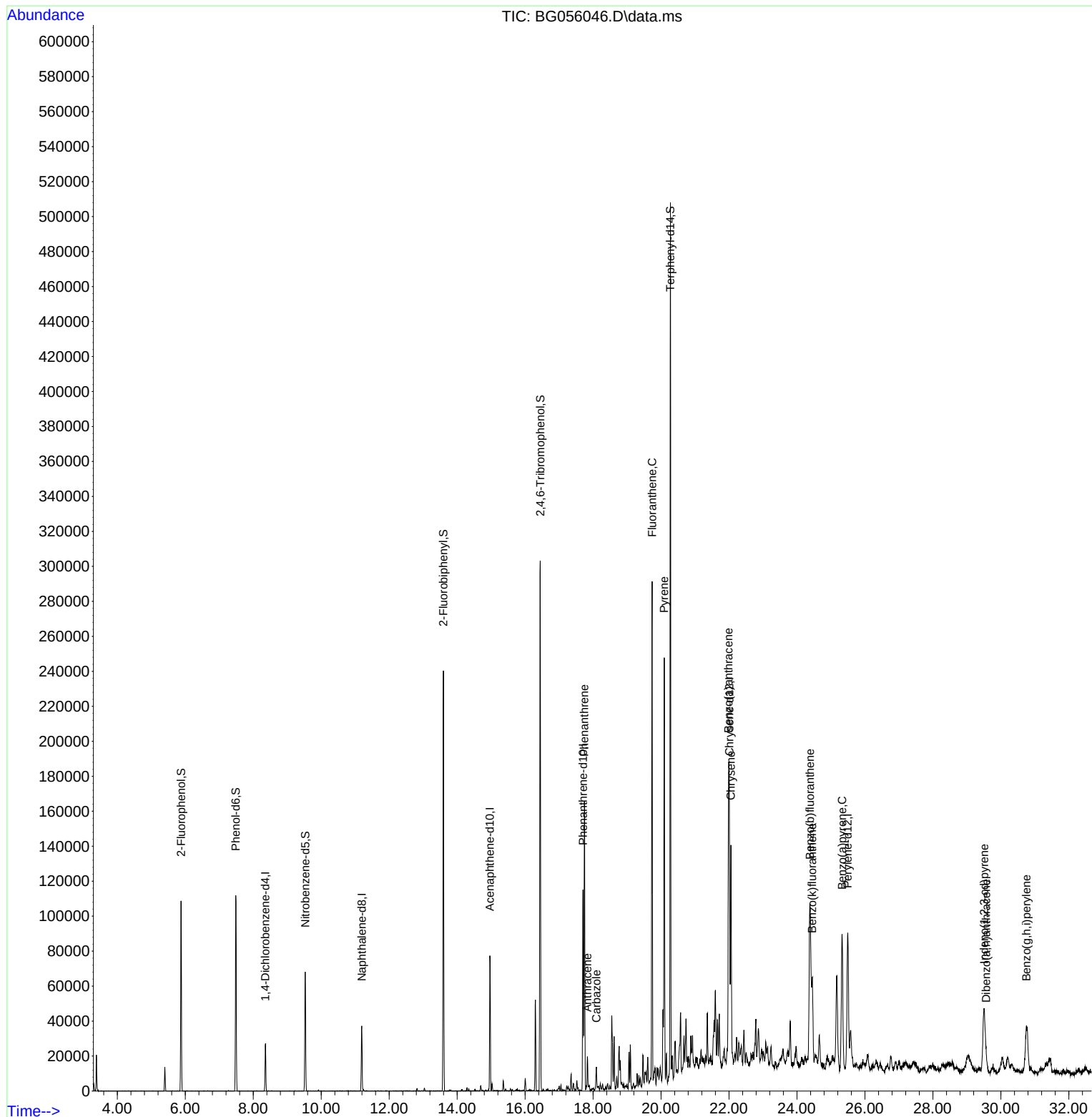
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056046.D
Acq On : 21 Dec 2022 13:17
Operator : CG/JU
Sample : N6038-26
Misc :
ALS Vial : 6 Sample Multiplier: 1

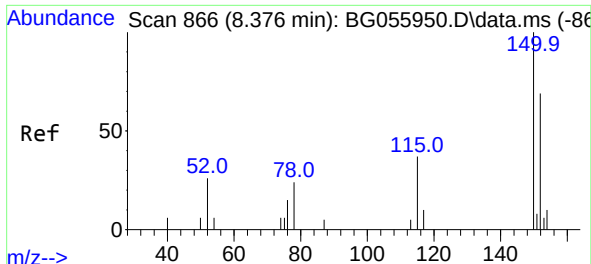
Instrument :
BNA_G
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RB-42-(0-2)

Quant Time: Dec 22 01:23:19 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
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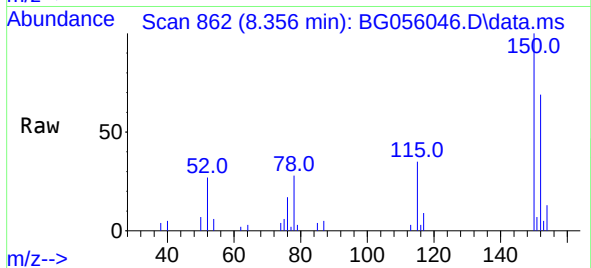
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.356 min Scan# 866
Delta R.T. -0.009 min
Lab File: BG056046.D
Acq: 21 Dec 2022 13:17

Instrument :

BNA_G

ClientSampleId :

RB-42-(0-2)

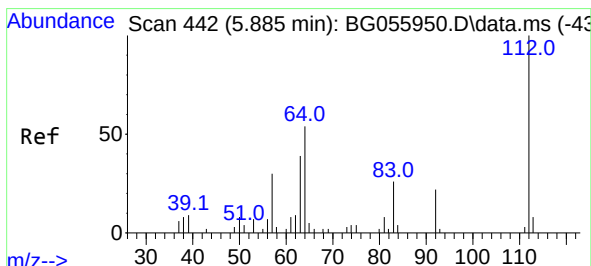
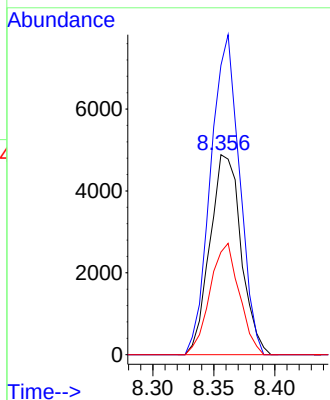
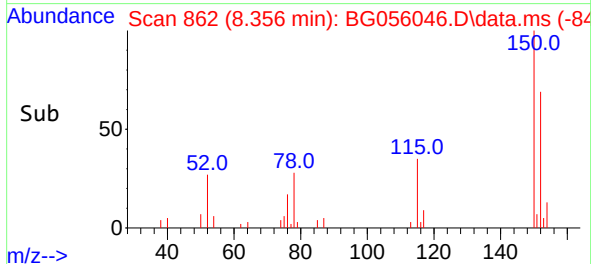


Tgt Ion:152 Resp: 868
Ion Ratio Lower Upper
152 100
150 144.6 115.7 173.5
115 51.3 43.0 64.4

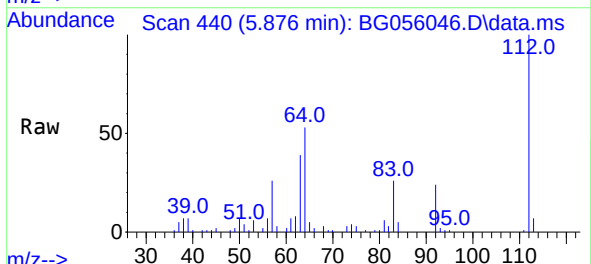
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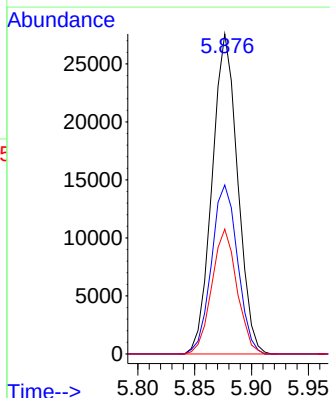
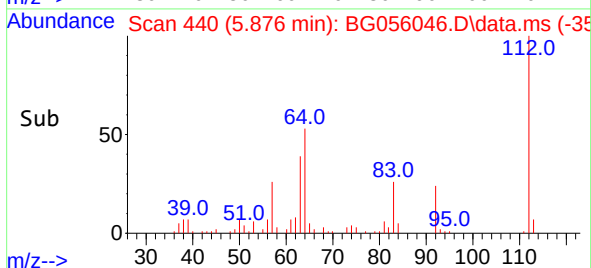
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022

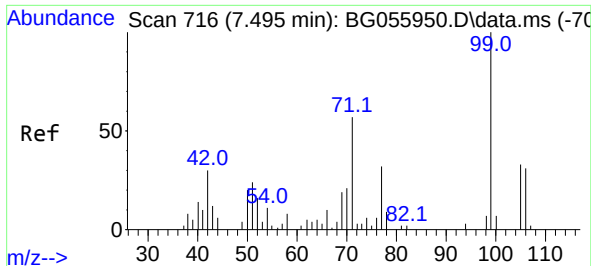


#5
2-Fluorophenol
Concen: 116.397 ng
RT: 5.876 min Scan# 440
Delta R.T. -0.003 min
Lab File: BG056046.D
Acq: 21 Dec 2022 13:17



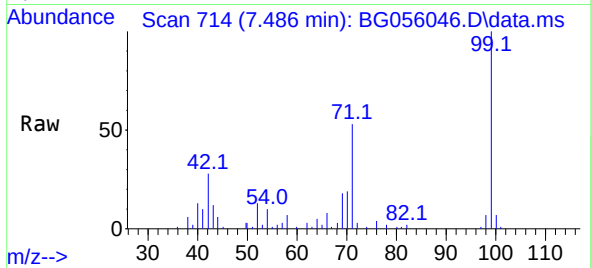
Tgt Ion:112 Resp: 43086
Ion Ratio Lower Upper
112 100
64 52.8 43.0 64.4
63 39.0 31.4 47.2





#7
Phenol-d6
Concen: 114.157 ng
RT: 7.486 min Scan# 716
Delta R.T. -0.009 min
Lab File: BG056046.D
Acq: 21 Dec 2022 13:17

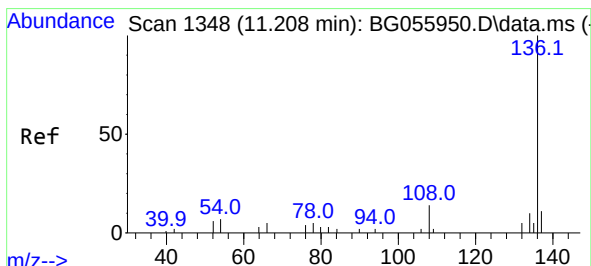
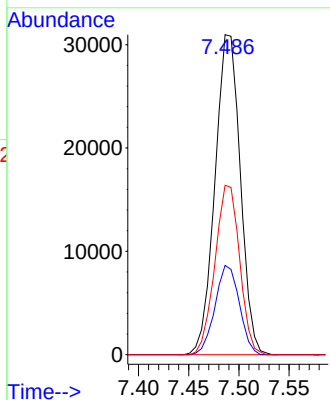
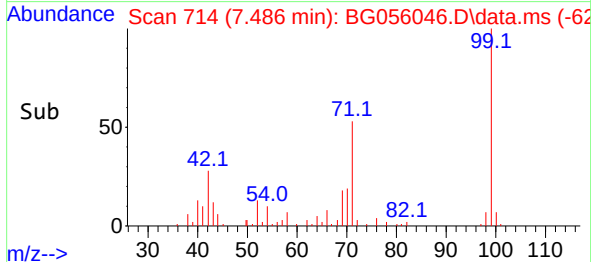
Instrument :
BNA_G
ClientSampleId :
RB-42-(0-2)



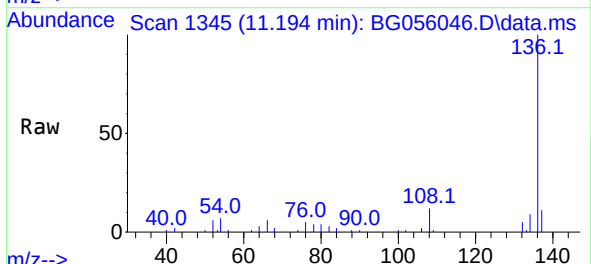
Tgt Ion: 99 Resp: 5434
Ion Ratio Lower Upper
99 100
42 27.9 24.3 36.5
71 52.9 45.6 68.4

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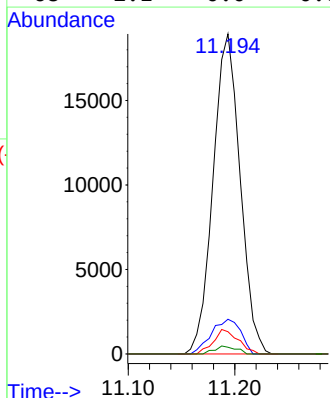
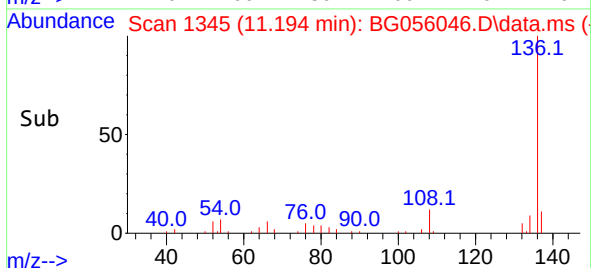
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022

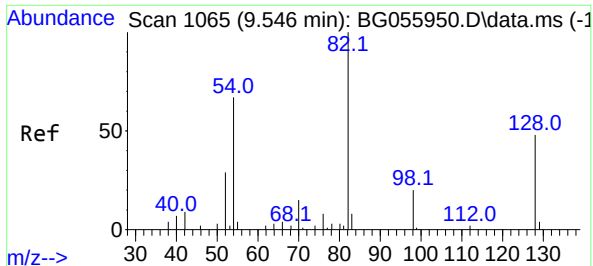


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.194 min Scan# 1345
Delta R.T. -0.003 min
Lab File: BG056046.D
Acq: 21 Dec 2022 13:17



Tgt Ion:136 Resp: 33334
Ion Ratio Lower Upper
136 100
137 10.8 9.2 13.8
54 7.0 5.6 8.4
68 2.1 0.0 0.0#





#23

Nitrobenzene-d5

Concen: 75.511 ng

RT: 9.531 min Scan# 1062

Delta R.T. -0.009 min

Lab File: BG056046.D

Acq: 21 Dec 2022 13:17

Instrument :

BNA_G

ClientSampleId :

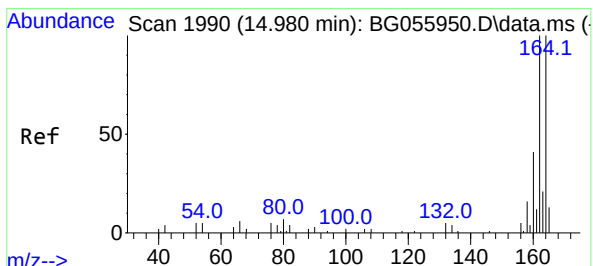
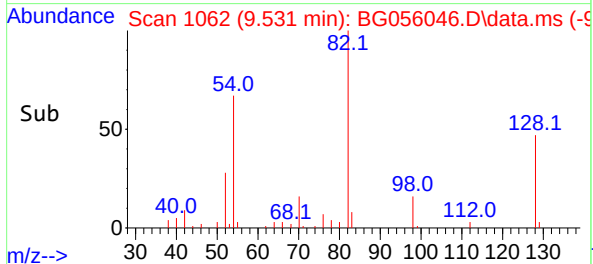
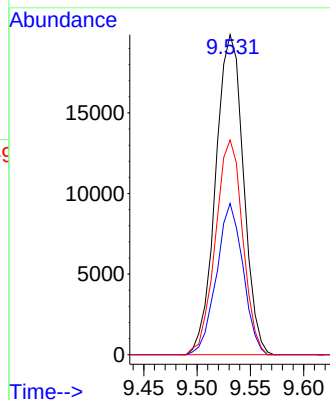
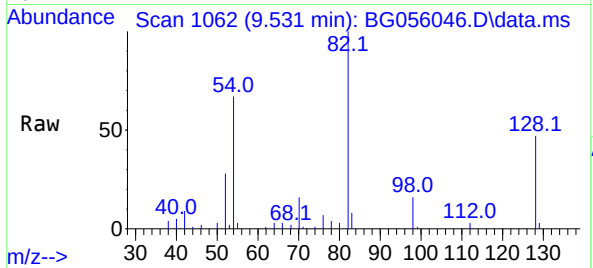
RB-42-(0-2)

Tgt Ion:	82	Resp:	36019
Ion Ratio	Lower	Upper	
82	100		
128	47.2	38.4	57.6
54	67.1	53.3	79.9

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

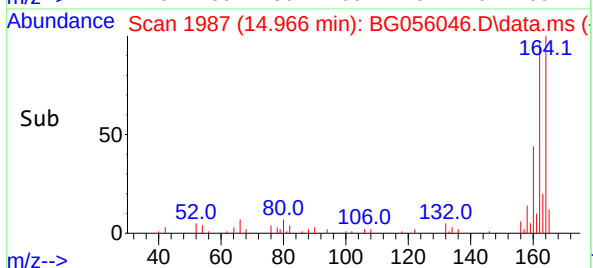
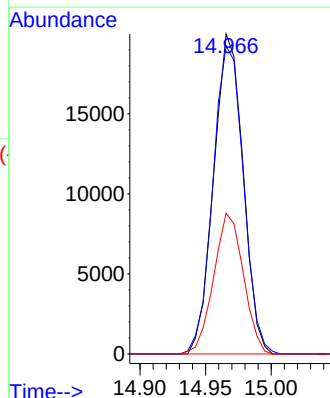
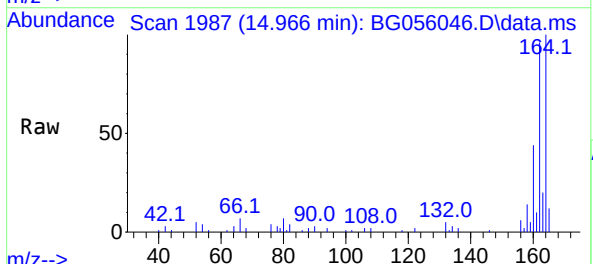
RT: 14.966 min Scan# 1987

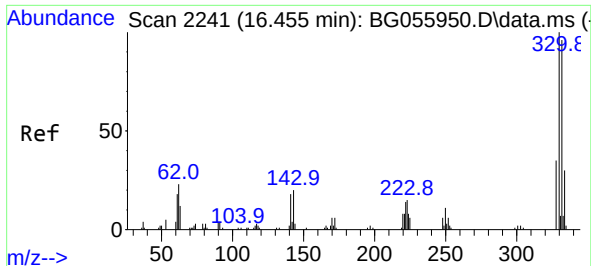
Delta R.T. -0.009 min

Lab File: BG056046.D

Acq: 21 Dec 2022 13:17

Tgt Ion:	164	Resp:	31078
Ion Ratio	Lower	Upper	
164	100		
162	96.2	79.8	119.8
160	44.0	33.0	49.4





#42
2,4,6-Tribromophenol
Concen: 106.596 ng
RT: 16.446 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG056046.D
Acq: 21 Dec 2022 13:17

Instrument :

BNA_G

ClientSampleId :

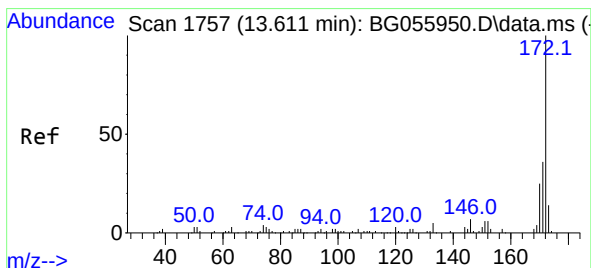
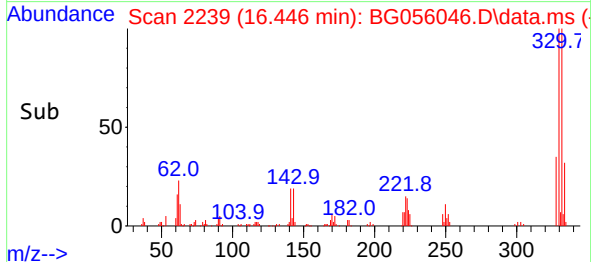
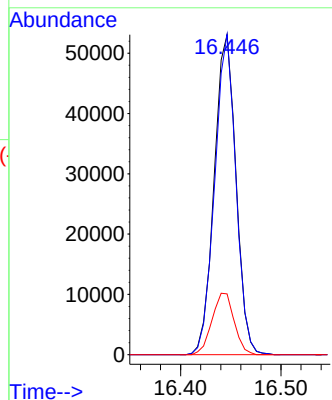
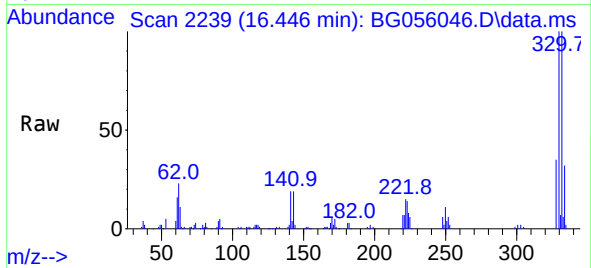
RB-42-(0-2)

Tgt Ion:330 Resp: 7988
Ion Ratio Lower Upper
330 100
332 97.2 76.6 114.8
141 19.6 15.0 22.4

Manual Integrations

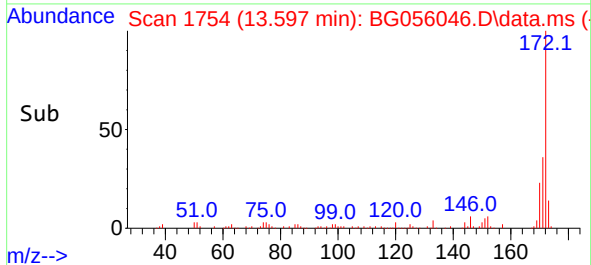
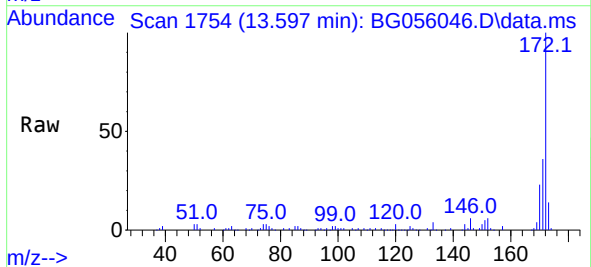
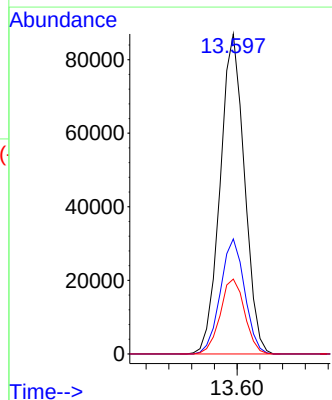
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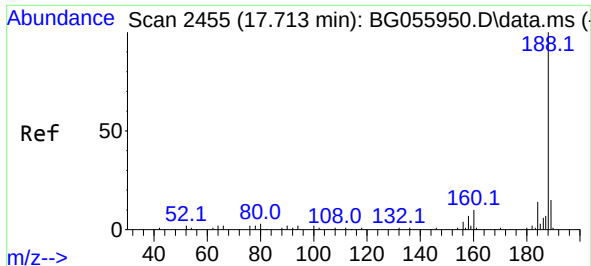
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022



#45
2-Fluorobiphenyl
Concen: 58.142 ng
RT: 13.597 min Scan# 1754
Delta R.T. -0.003 min
Lab File: BG056046.D
Acq: 21 Dec 2022 13:17

Tgt Ion:172 Resp: 128839
Ion Ratio Lower Upper
172 100
171 36.0 28.6 42.8
170 23.4 19.9 29.9





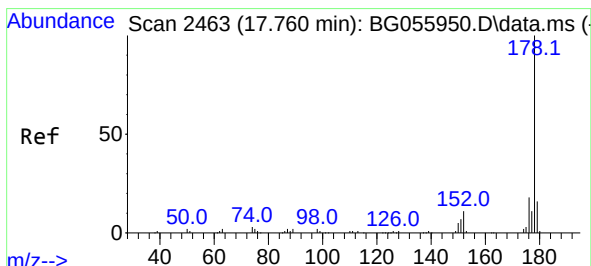
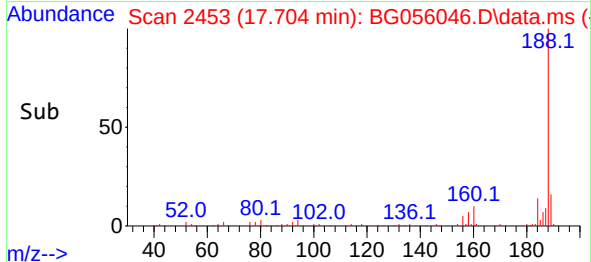
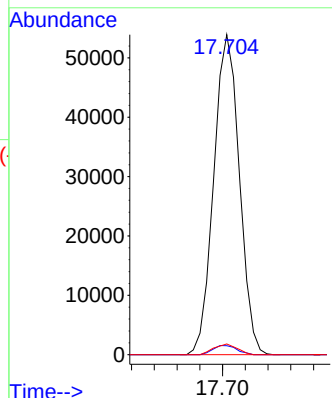
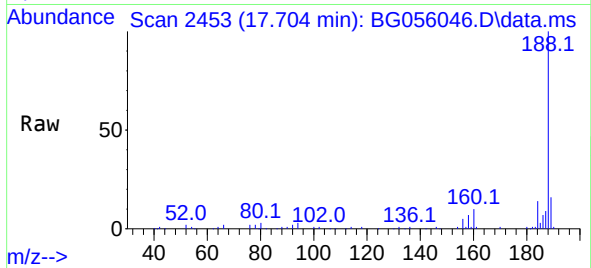
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.704 min Scan# 2453
Delta R.T. -0.003 min
Lab File: BG056046.D
Acq: 21 Dec 2022 13:17

Instrument :
BNA_G
ClientSampleId :
RB-42-(0-2)

Tgt Ion:188 Resp: 84272
Ion Ratio Lower Upper
188 100
94 2.8 1.8 2.8
80 3.4 2.4 3.6

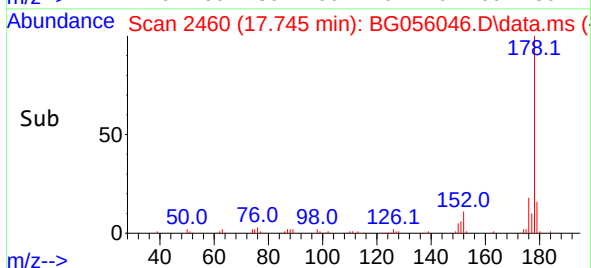
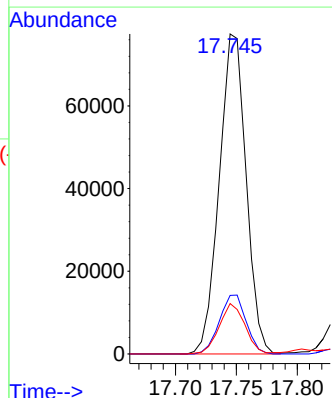
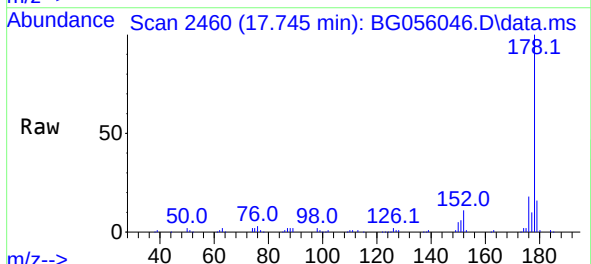
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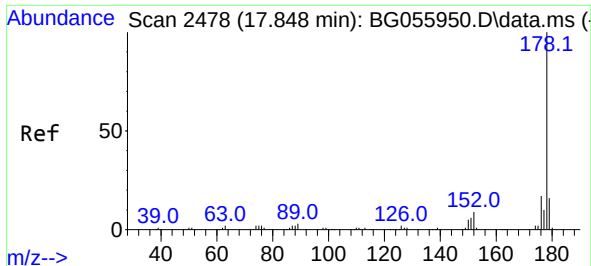
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022



#71
Phenanthrene
Concen: 26.892 ng
RT: 17.745 min Scan# 2460
Delta R.T. -0.009 min
Lab File: BG056046.D
Acq: 21 Dec 2022 13:17

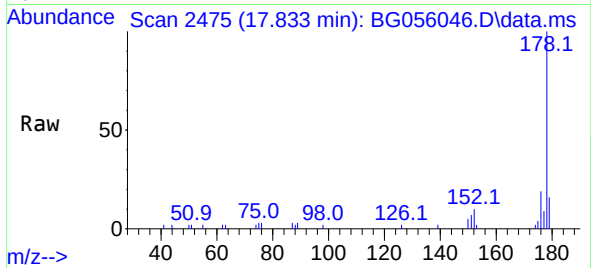
Tgt Ion:178 Resp: 118764
Ion Ratio Lower Upper
178 100
176 18.3 14.4 21.6
179 15.7 12.7 19.1





#72
 Anthracene
 Concen: 3.501 ng
 RT: 17.833 min Scan# 2478
 Delta R.T. -0.009 min
 Lab File: BG056046.D
 Acq: 21 Dec 2022 13:17

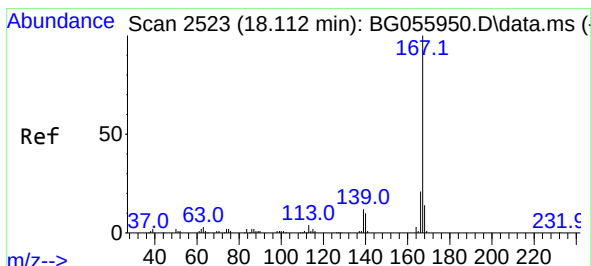
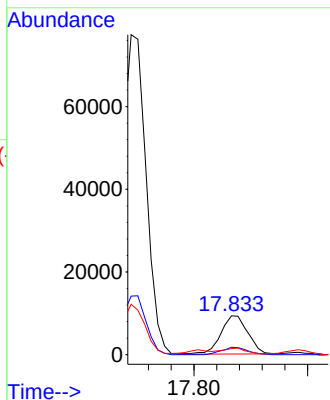
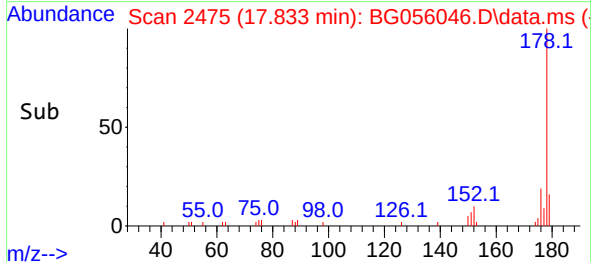
Instrument :
 BNA_G
 ClientSampleId :
 RB-42-(0-2)



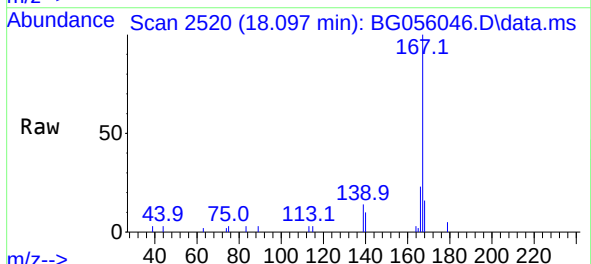
Tgt Ion:178 Resp: 15290
 Ion Ratio Lower Upper
 178 100
 176 18.8 13.9 20.9
 179 15.6 12.7 19.1

Manual Integrations
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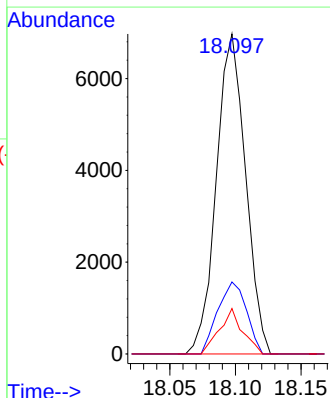
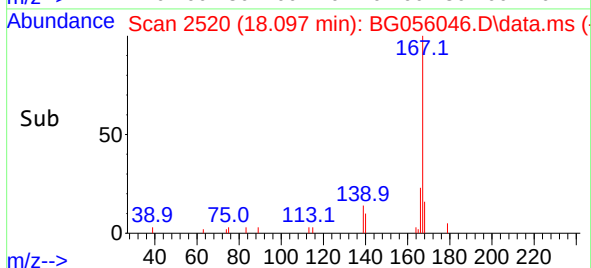
Reviewed By :Christian Giraldo 12/22/2022
 Supervised By :mohammad ahmed 12/22/2022

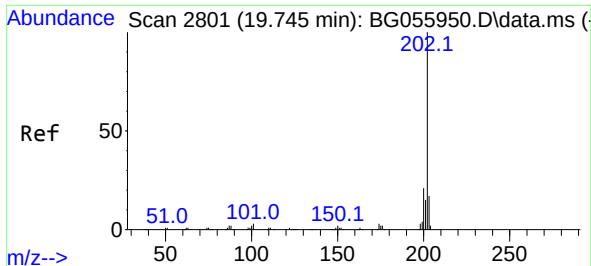


#73
 Carbazole
 Concen: 2.991 ng
 RT: 18.097 min Scan# 2520
 Delta R.T. -0.003 min
 Lab File: BG056046.D
 Acq: 21 Dec 2022 13:17



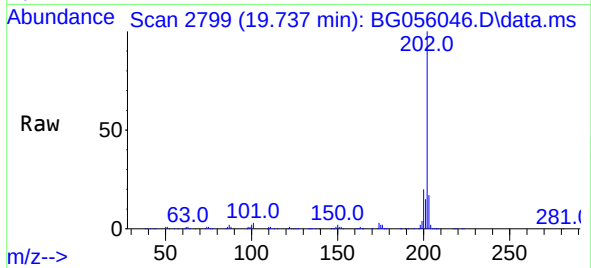
Tgt Ion:167 Resp: 10779
 Ion Ratio Lower Upper
 167 100
 166 22.5 16.6 25.0
 139 14.2 9.7 14.5





#75
Fluoranthene
Concen: 32.603 ng
RT: 19.737 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG056046.D
Acq: 21 Dec 2022 13:17

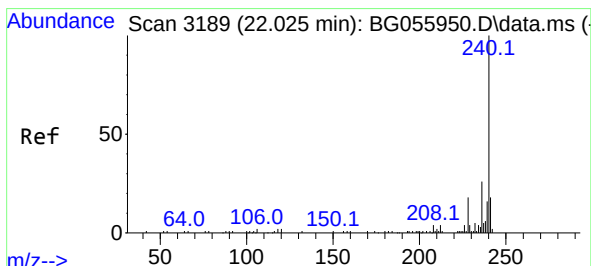
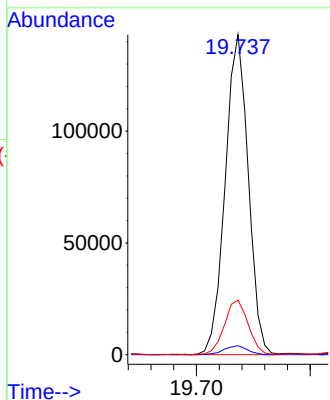
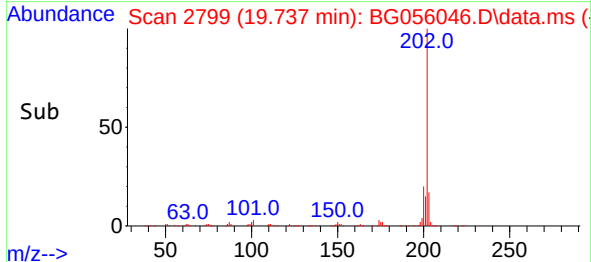
Instrument :
BNA_G
ClientSampleId :
RB-42-(0-2)



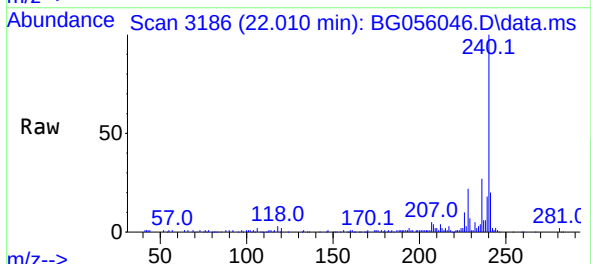
Tgt Ion:202 Resp: 201624
Ion Ratio Lower Upper
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101 2.8 0.0 22.6
203 17.1 0.0 37.1

Manual Integrations
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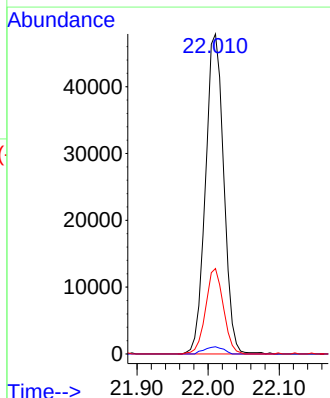
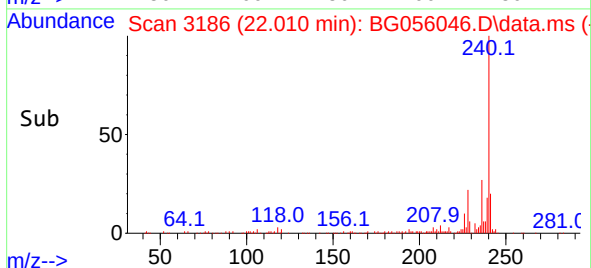
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022

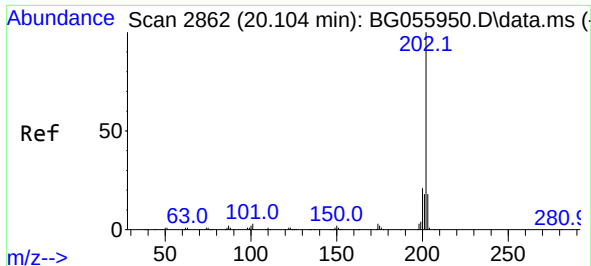


#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.010 min Scan# 3186
Delta R.T. -0.003 min
Lab File: BG056046.D
Acq: 21 Dec 2022 13:17



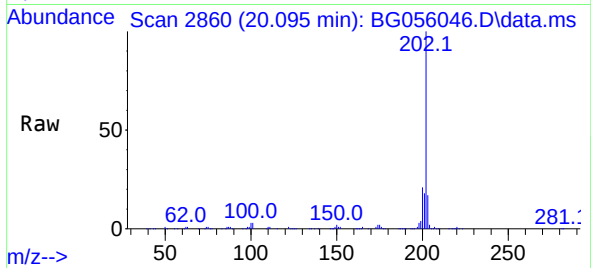
Tgt Ion:240 Resp: 85334
Ion Ratio Lower Upper
240 100
120 2.3 1.7 2.5
236 26.7 21.1 31.7





#78
Pyrene
Concen: 33.566 ng
RT: 20.095 min Scan# 2860
Delta R.T. -0.003 min
Lab File: BG056046.D
Acq: 21 Dec 2022 13:17

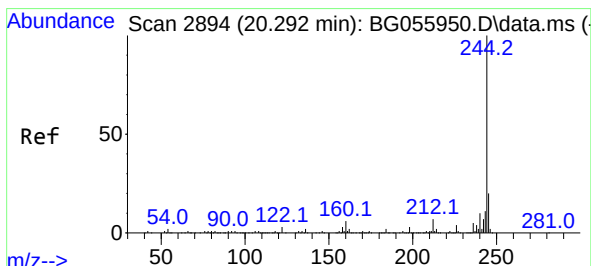
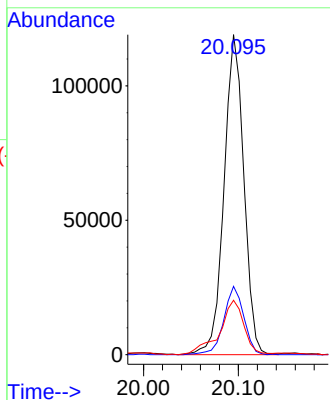
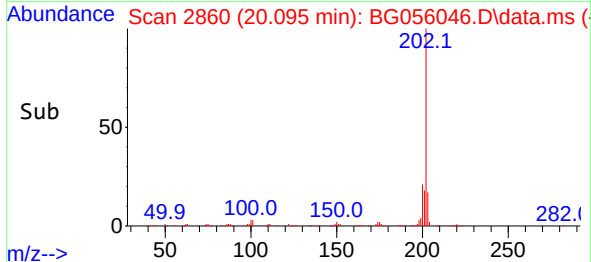
Instrument :
BNA_G
ClientSampleId :
RB-42-(0-2)



Tgt Ion:202 Resp: 173324
Ion Ratio Lower Upper
202 100
200 21.3 16.7 25.1
203 17.0 14.6 21.8

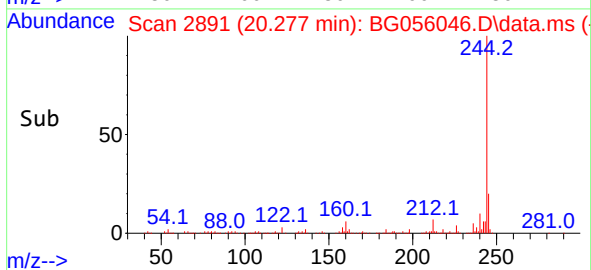
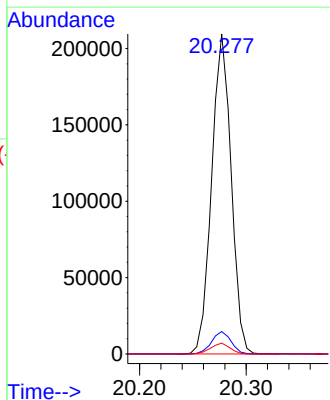
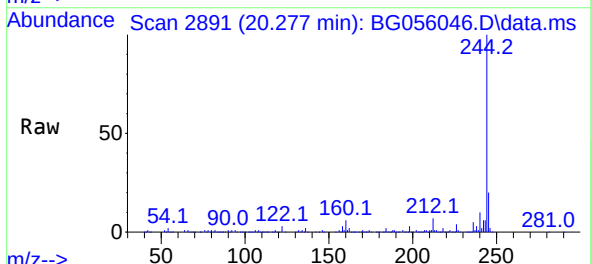
Manual Integrations
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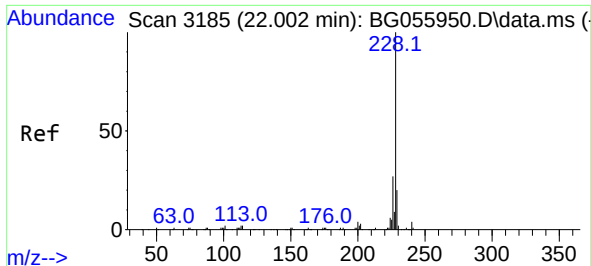
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022



#79
Terphenyl-d14
Concen: 54.911 ng
RT: 20.277 min Scan# 2891
Delta R.T. -0.003 min
Lab File: BG056046.D
Acq: 21 Dec 2022 13:17

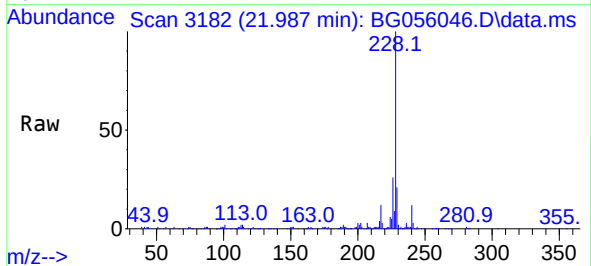
Tgt Ion:244 Resp: 265122
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.6
122 3.4 2.5 3.7





#81
Benzo(a)anthracene
Concen: 17.794 ng
RT: 21.987 min Scan# 3182
Delta R.T. -0.009 min
Lab File: BG056046.D
Acq: 21 Dec 2022 13:17

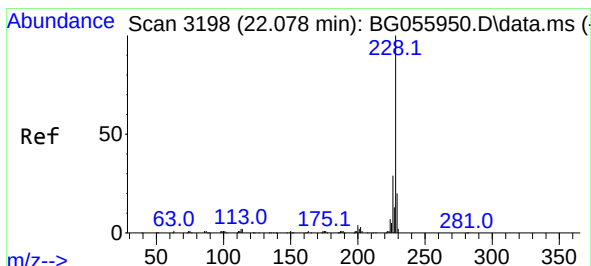
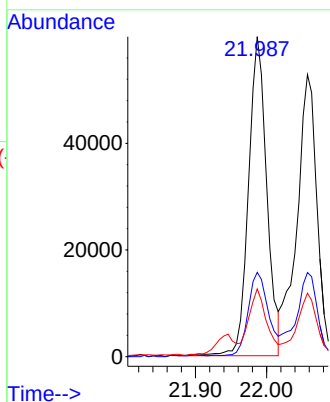
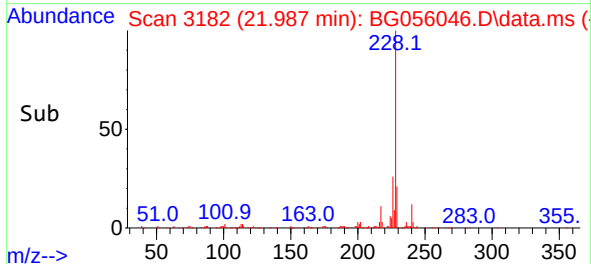
Instrument :
BNA_G
ClientSampleId :
RB-42-(0-2)



Tgt Ion:228 Resp: 106848
Ion Ratio Lower Upper
228 100
226 26.4 21.8 32.6
229 21.2 15.9 23.9

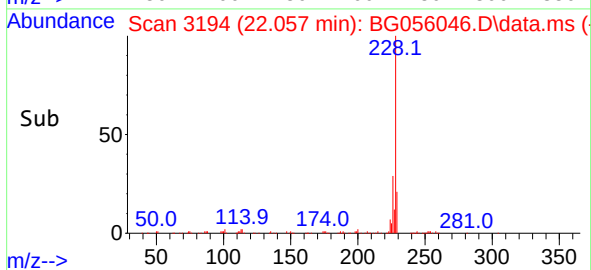
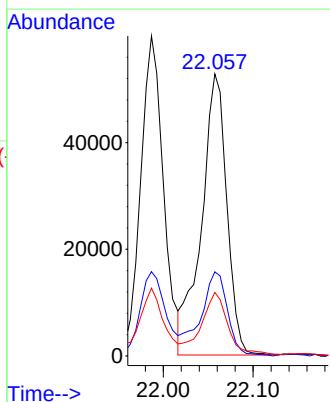
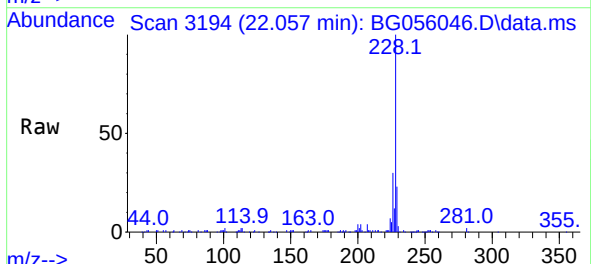
Manual Integrations
APPROVED

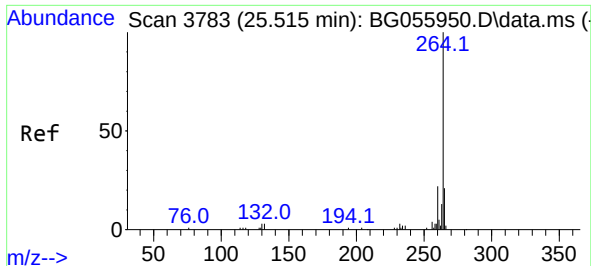
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022



#83
Chrysene
Concen: 18.384 ng
RT: 22.057 min Scan# 3194
Delta R.T. -0.009 min
Lab File: BG056046.D
Acq: 21 Dec 2022 13:17

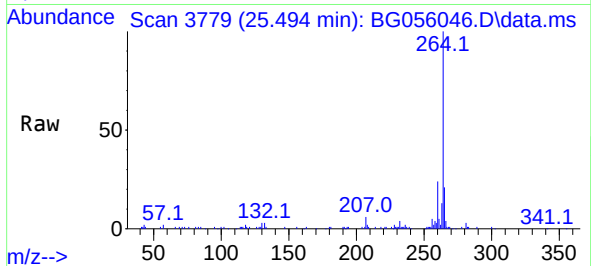
Tgt Ion:228 Resp: 103461
Ion Ratio Lower Upper
228 100
226 29.8 23.1 34.7
229 22.5 15.7 23.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.494 min Scan# 31
Delta R.T. -0.003 min
Lab File: BG056046.D
Acq: 21 Dec 2022 13:17

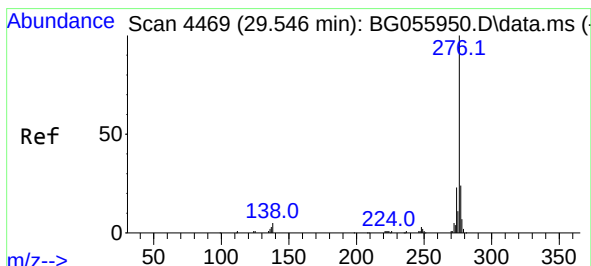
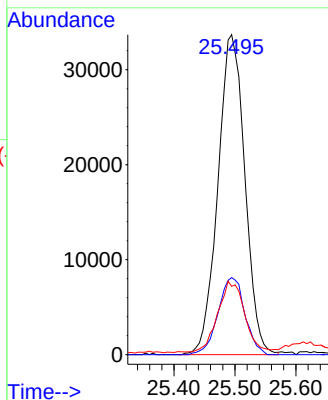
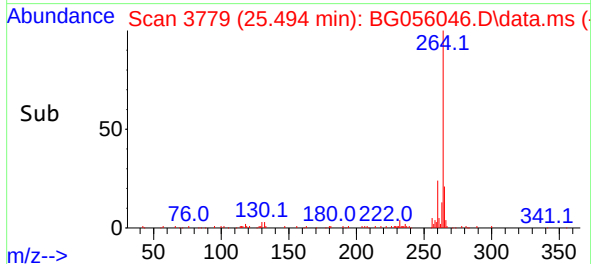
Instrument :
BNA_G
ClientSampleId :
RB-42-(0-2)



Tgt Ion:264 Resp: 103590
Ion Ratio Lower Upper
264 100
260 24.1 17.8 26.8
265 21.4 16.6 25.0

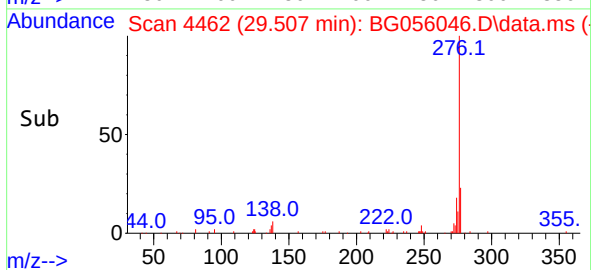
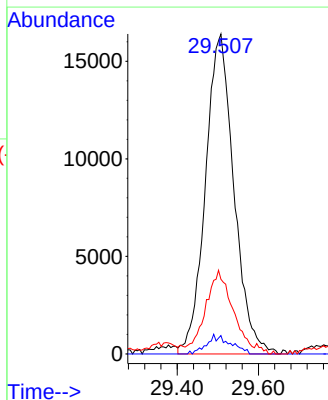
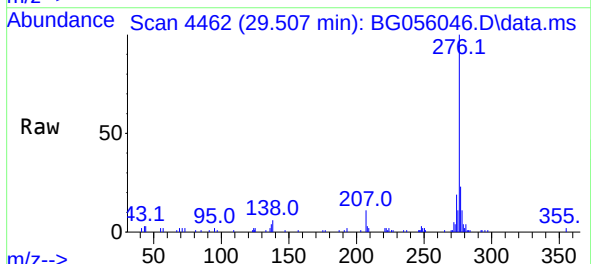
Manual Integrations
APPROVED

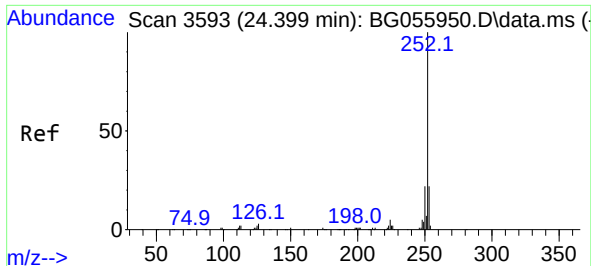
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 9.591 ng
RT: 29.507 min Scan# 4462
Delta R.T. -0.015 min
Lab File: BG056046.D
Acq: 21 Dec 2022 13:17

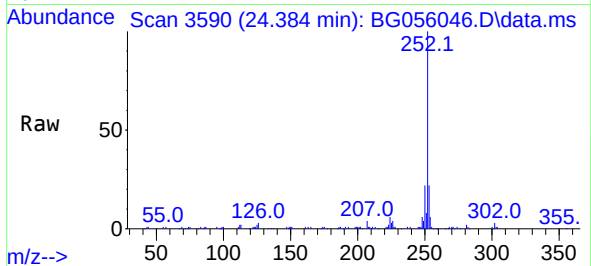
Tgt Ion:276 Resp: 79896
Ion Ratio Lower Upper
276 100
138 5.0 3.0 4.4#
277 21.1 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 22.597 ng
RT: 24.384 min Scan# 3590
Delta R.T. -0.003 min
Lab File: BG056046.D
Acq: 21 Dec 2022 13:17

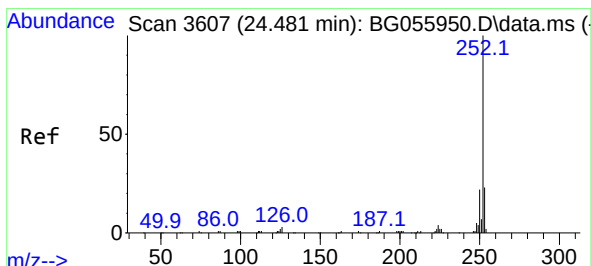
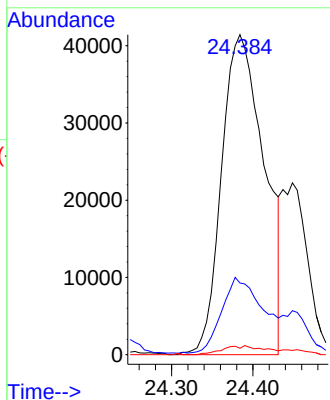
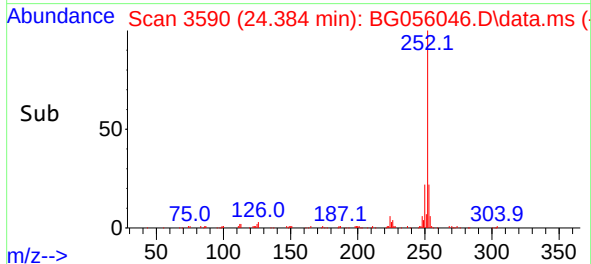
Instrument :
BNA_G
ClientSampleId :
RB-42-(0-2)



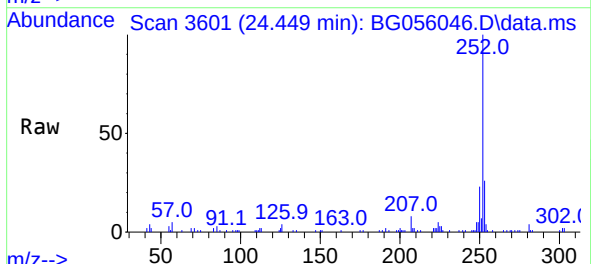
Tgt Ion:252 Resp: 15150
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.0
125 2.0 1.8 2.8

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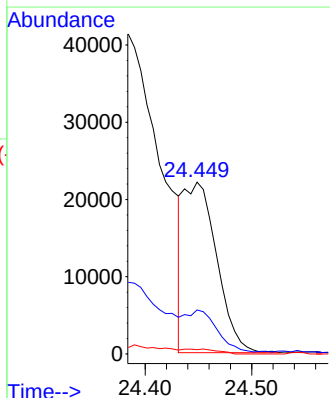
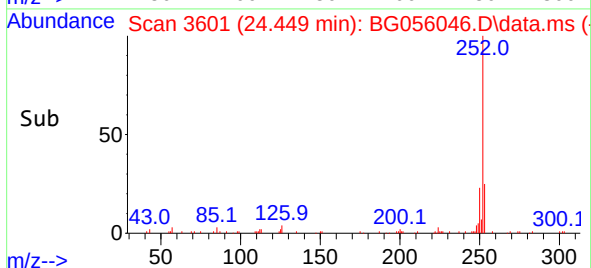
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022

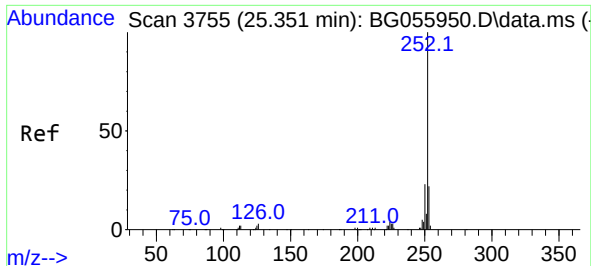


#89
Benzo(k)fluoranthene
Concen: 7.096 ng m
RT: 24.449 min Scan# 3601
Delta R.T. -0.015 min
Lab File: BG056046.D
Acq: 21 Dec 2022 13:17



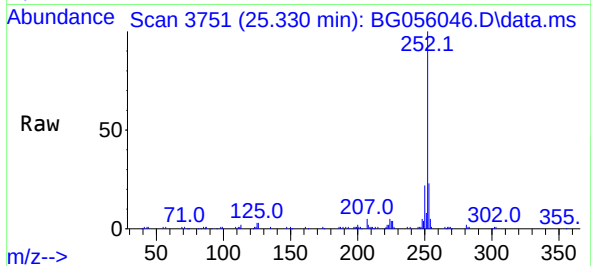
Tgt Ion:252 Resp: 47470
Ion Ratio Lower Upper
252 100
253 25.6 18.2 27.2
125 2.5 2.0 3.0





#90
Benzo(a)pyrene
Concen: 19.024 ng
RT: 25.330 min Scan# 31
Delta R.T. -0.003 min
Lab File: BG056046.D
Acq: 21 Dec 2022 13:17

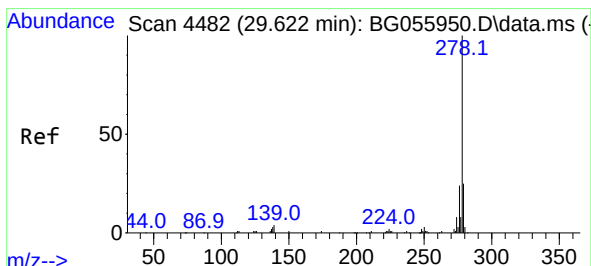
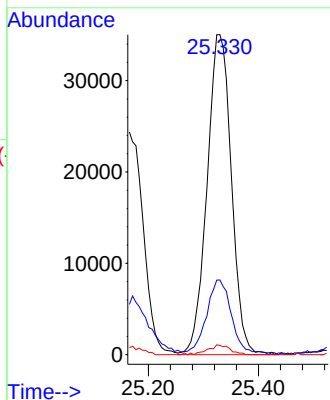
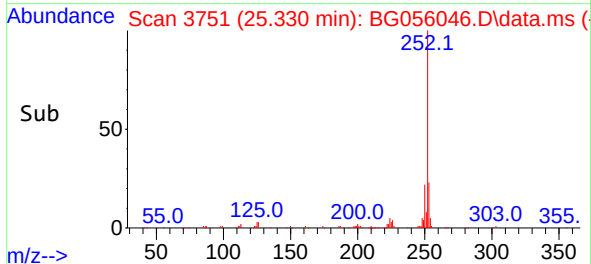
Instrument :
BNA_G
ClientSampleId :
RB-42-(0-2)



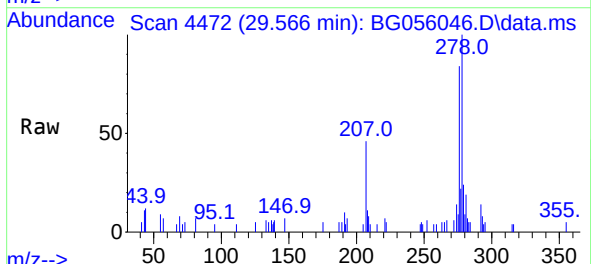
Tgt Ion:252 Resp: 107814
Ion Ratio Lower Upper
252 100
253 23.4 17.7 26.5
125 2.9 1.9 2.9

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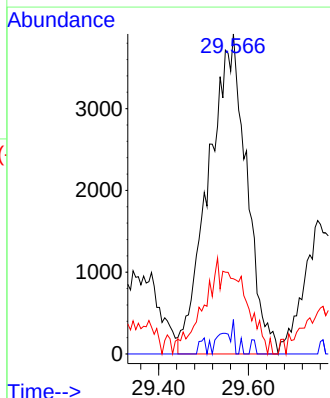
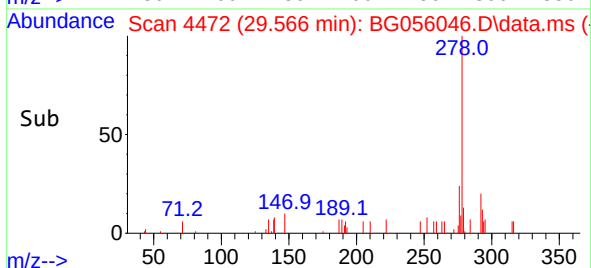
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022

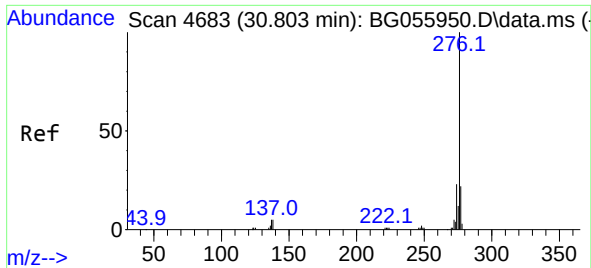


#91
Dibenzo(a,h)anthracene
Concen: 3.290 ng
RT: 29.566 min Scan# 4472
Delta R.T. -0.027 min
Lab File: BG056046.D
Acq: 21 Dec 2022 13:17



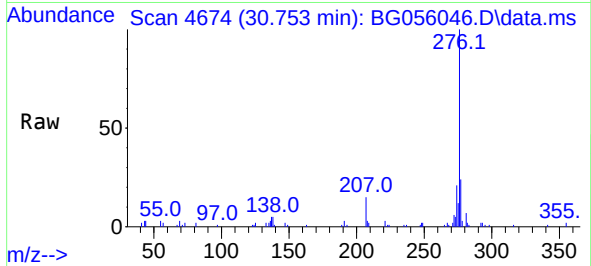
Tgt Ion:278 Resp: 22940
Ion Ratio Lower Upper
278 100
139 10.8 2.9 4.3#
279 23.5 20.0 30.0





#92
Benzo(g,h,i)perylene
Concen: 10.803 ng
RT: 30.753 min Scan# 4674
Delta R.T. -0.038 min
Lab File: BG056046.D
Acq: 21 Dec 2022 13:17

Instrument :
BNA_G
ClientSampleId :
RB-42-(0-2)



Tgt Ion:276 Resp: 7283
Ion Ratio Lower Upper
276 100
277 24.4 17.8 26.6
138 4.8 3.8 5.6

Manual Integrations
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Reviewed By :Christian Giraldo 12/22/2022
Supervised By :mohammad ahmed 12/22/2022

