

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101022\
 Data File : BG055118.D
 Acq On : 10 Oct 2022 18:46
 Operator : CG/JU
 Sample : N5047-01DL 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-3-100622DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 10/11/2022
 Supervised By : mohammad ahmed 10/17/2022

Quant Time: Oct 11 04:05:37 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 08 03:04:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.332	152	45344	20.000	ng	0.00
21) Naphthalene-d8	11.159	136	187348	20.000	ng	-0.01
39) Acenaphthene-d10	14.936	164	125541	20.000	ng	0.00
64) Phenanthrene-d10	17.669	188	282788	20.000	ng	0.00
76) Chrysene-d12	21.963	240	274747	20.000	ng	0.00
86) Perylene-d12	25.418	264	296337	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.847	112	109537	53.656	ng	0.00
7) Phenol-d6	7.457	99	145125	47.445	ng	0.00
23) Nitrobenzene-d5	9.496	82	88493	28.225	ng	-0.01
42) 2,4,6-Tribromophenol	16.411	330	70545	57.752	ng	0.00
45) 2-Fluorobiphenyl	13.562	172	194836	24.228	ng	-0.01
79) Terphenyl-d14	20.242	244	309256	22.751	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	14.995	154	14821	2.078	ng	93
58) Fluorene	15.970	166	25360	2.785	ng	94
71) Phenanthrene	17.710	178	271774	18.296	ng	99
72) Anthracene	17.804	178	77718	5.379	ng	99
75) Fluoranthene	19.701	202	573932	30.971	ng	99
78) Pyrene	20.060	202	546451	29.911	ng	99
81) Benzo(a)anthracene	21.940	228	270500	15.498	ng	99
83) Chrysene	22.010	228	241969m	14.384	ng	
87) Indeno(1,2,3-cd)pyrene	29.372	276	179412	8.389	ng	# 96
88) Benzo(b)fluoranthene	24.314	252	332640	19.051	ng	100
89) Benzo(k)fluoranthene	24.372	252	129314m	7.351	ng	
90) Benzo(a)pyrene	25.248	252	257989	17.240	ng	99
91) Dibenzo(a,h)anthracene	29.443	278	48582	2.797	ng	# 91
92) Benzo(g,h,i)perylene	30.624	276	174009	9.978	ng	98

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

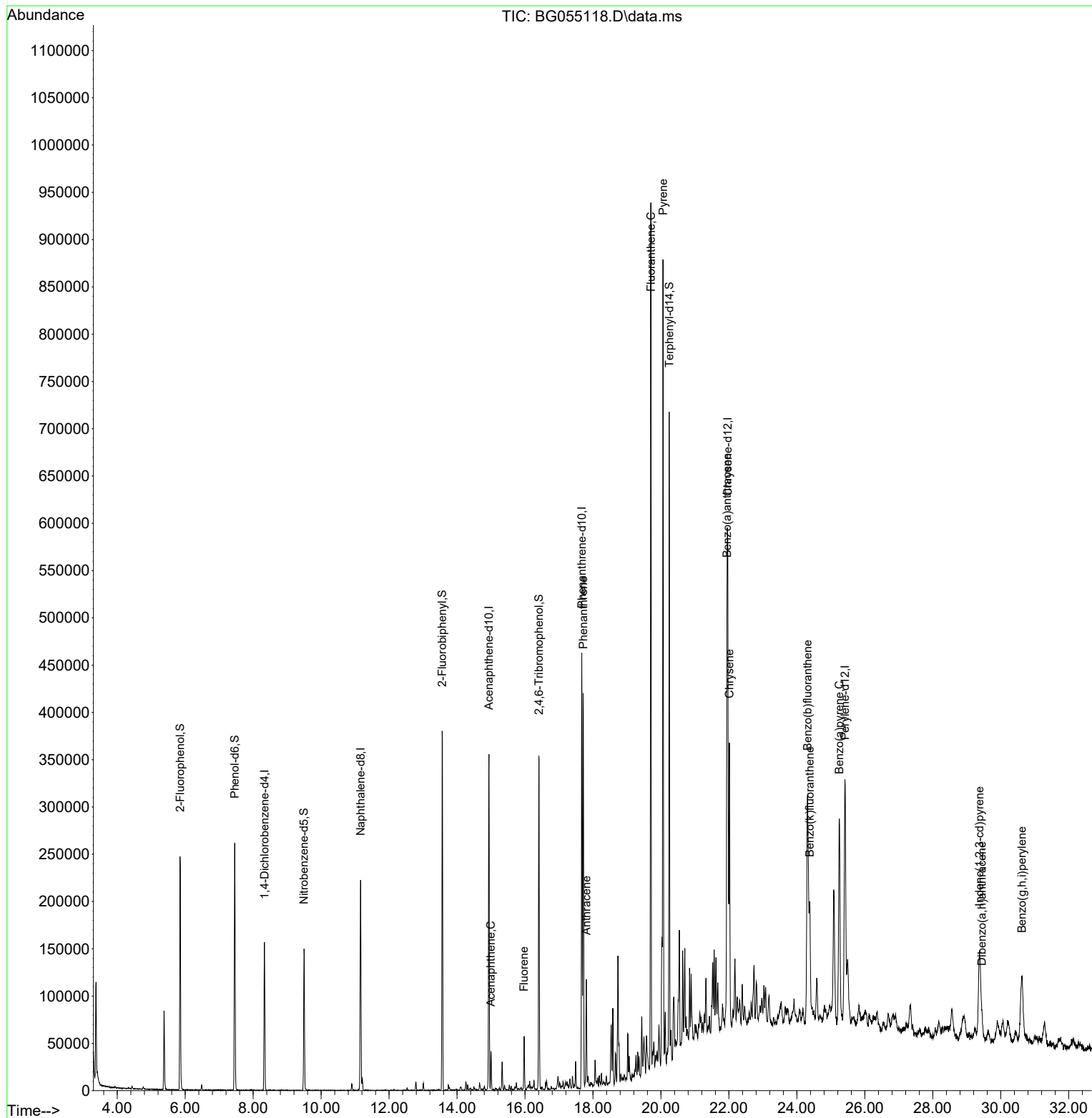
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101022\
Data File : BG055118.D
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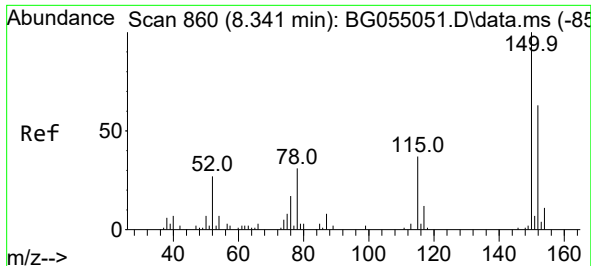
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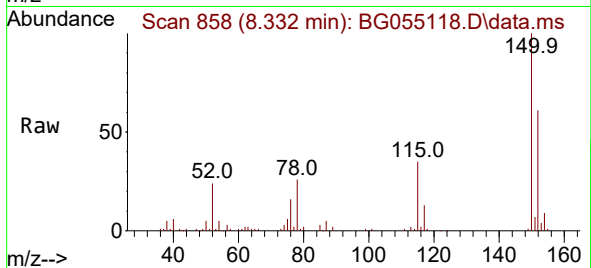
Quant Time: Oct 11 04:05:37 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 08 03:04:59 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.332 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG055118.D
Acq: 10 Oct 2022 18:46

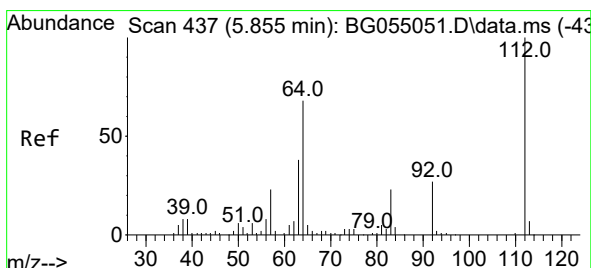
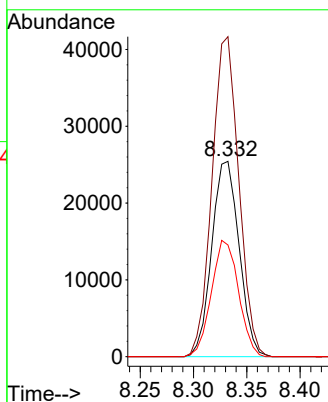
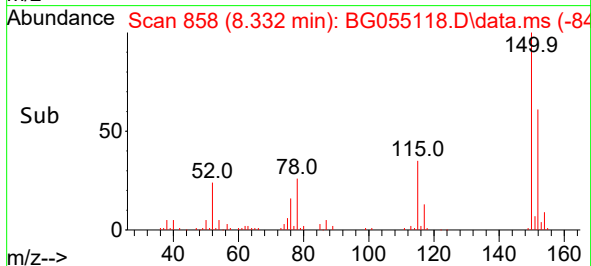
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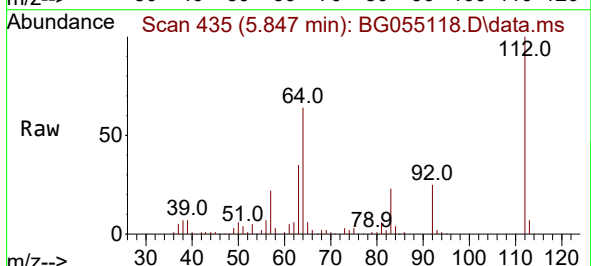
Tgt Ion:152 Resp: 4534
Ion Ratio Lower Upper
152 100
150 163.8 128.0 192.0
115 57.2 47.7 71.5

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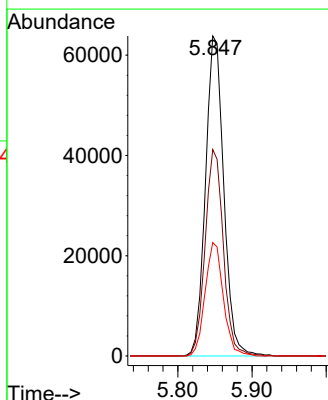
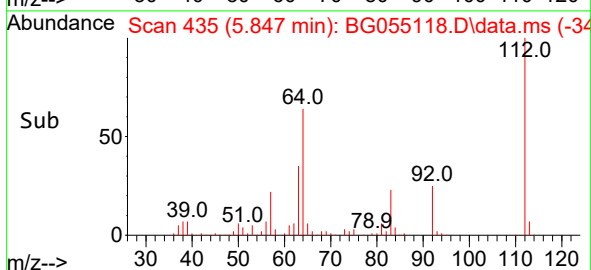
Reviewed By :Christian Giraldo 10/11/2022
Supervised By :mohammad ahmed 10/17/2022

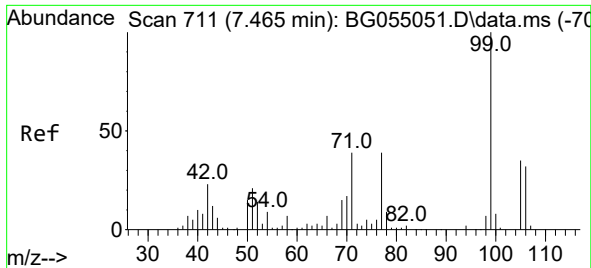


#5
2-Fluorophenol
Concen: 53.656 ng
RT: 5.847 min Scan# 435
Delta R.T. -0.005 min
Lab File: BG055118.D
Acq: 10 Oct 2022 18:46



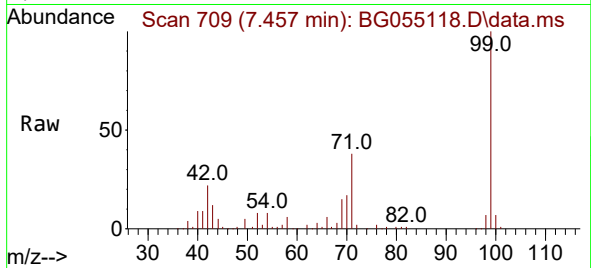
Tgt Ion:112 Resp: 109537
Ion Ratio Lower Upper
112 100
64 64.5 54.5 81.7
63 35.5 30.5 45.7





#7
Phenol-d6
Concen: 47.445 ng
RT: 7.457 min Scan# 709
Delta R.T. -0.005 min
Lab File: BG055118.D
Acq: 10 Oct 2022 18:46

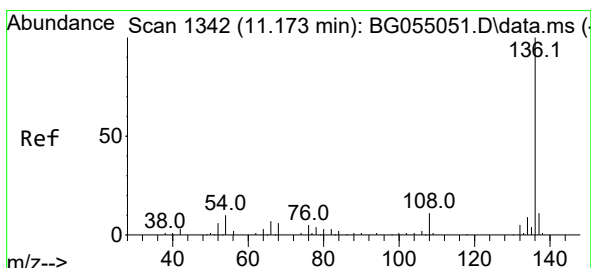
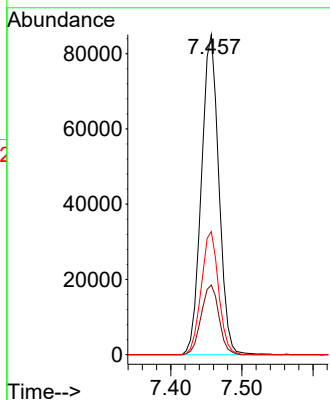
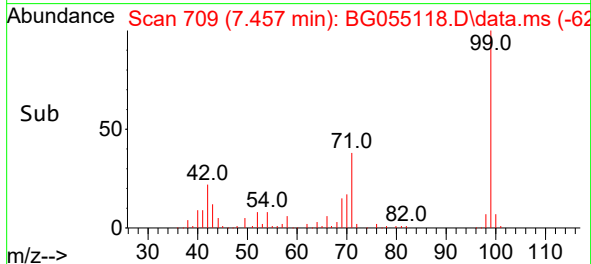
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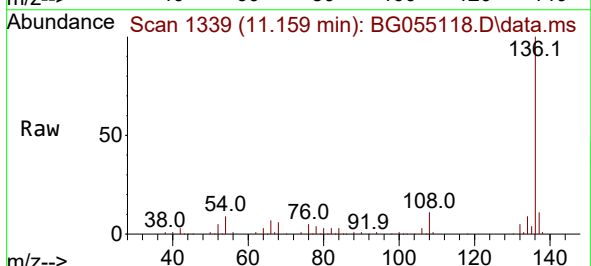
Tgt Ion: 99 Resp: 145125
Ion Ratio Lower Upper
99 100
42 21.8 18.6 28.0
71 38.5 31.2 46.8

Manual Integrations
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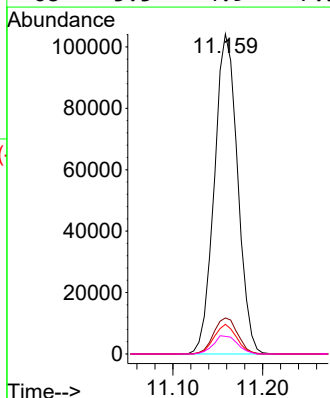
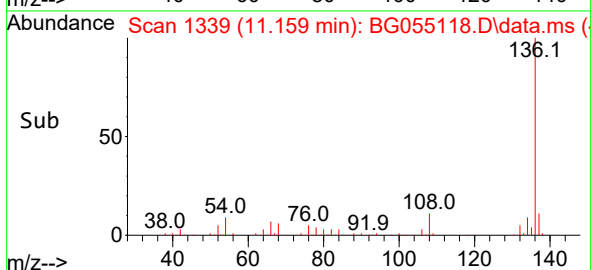
Reviewed By :Christian Giraldo 10/11/2022
Supervised By :mohammad ahmed 10/17/2022

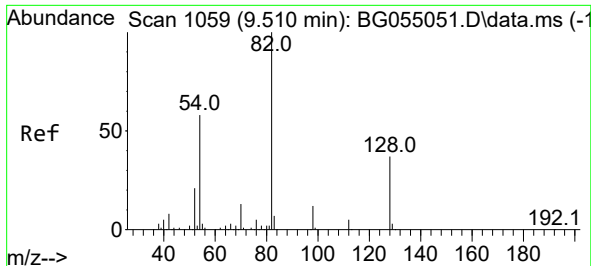


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.159 min Scan# 1339
Delta R.T. -0.011 min
Lab File: BG055118.D
Acq: 10 Oct 2022 18:46



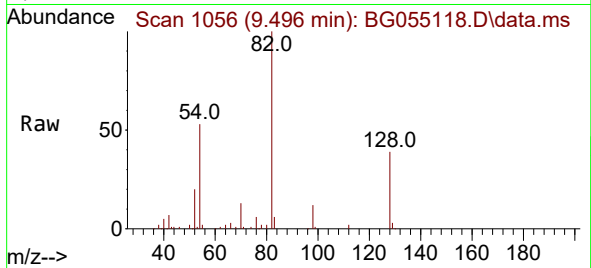
Tgt Ion:136 Resp: 187348
Ion Ratio Lower Upper
136 100
137 11.3 8.7 13.1
54 9.2 8.2 12.4
68 5.5 4.9 7.3





#23
Nitrobenzene-d5
Concen: 28.225 ng
RT: 9.496 min Scan# 1056
Delta R.T. -0.011 min
Lab File: BG055118.D
Acq: 10 Oct 2022 18:46

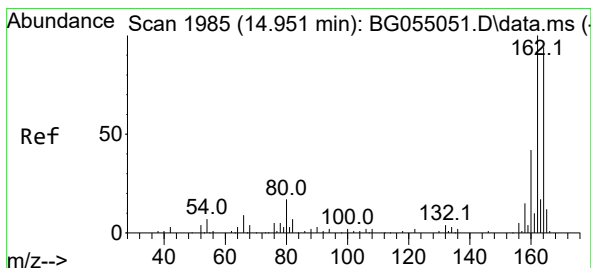
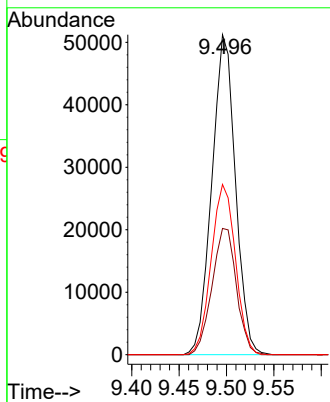
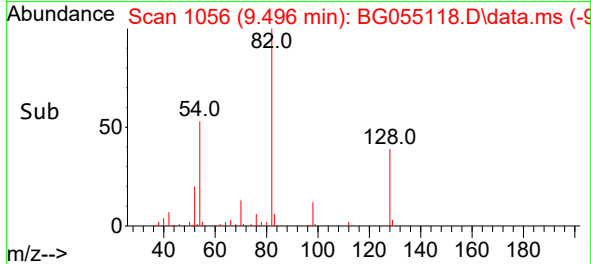
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Tgt Ion: 82 Resp: 8849
Ion Ratio Lower Upper
82 100
128 39.5 29.5 44.3
54 53.2 46.7 70.1

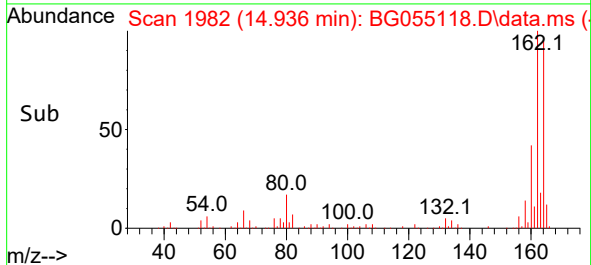
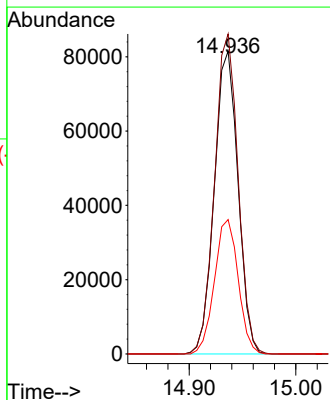
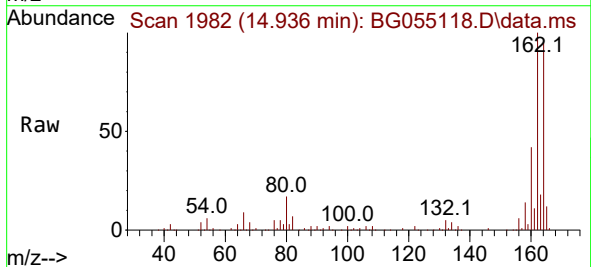
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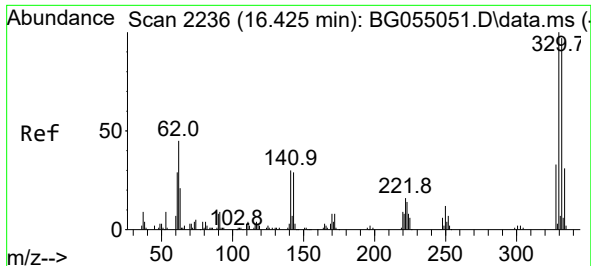
Reviewed By :Christian Giraldo 10/11/2022
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.936 min Scan# 1982
Delta R.T. -0.005 min
Lab File: BG055118.D
Acq: 10 Oct 2022 18:46

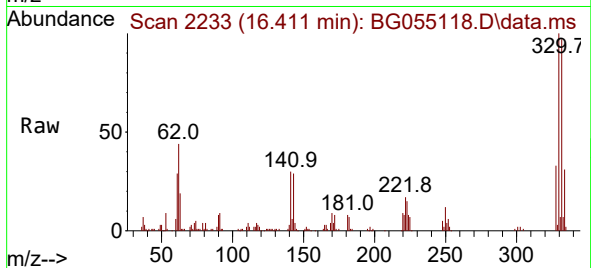
Tgt Ion:164 Resp: 125541
Ion Ratio Lower Upper
164 100
162 105.6 85.5 128.3
160 44.4 35.5 53.3





#42
2,4,6-Tribromophenol
Concen: 57.752 ng
RT: 16.411 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG055118.D
Acq: 10 Oct 2022 18:46

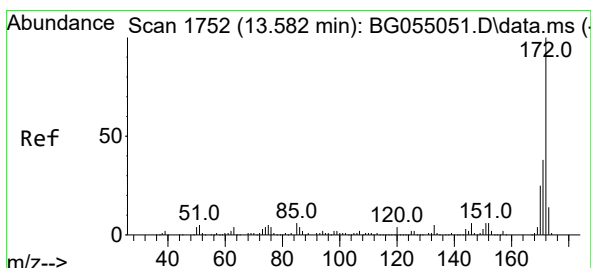
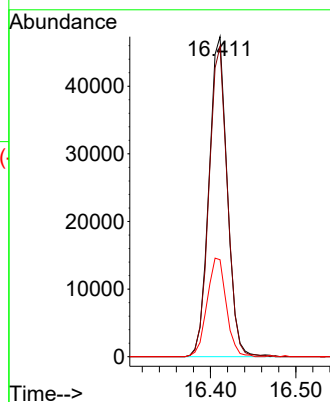
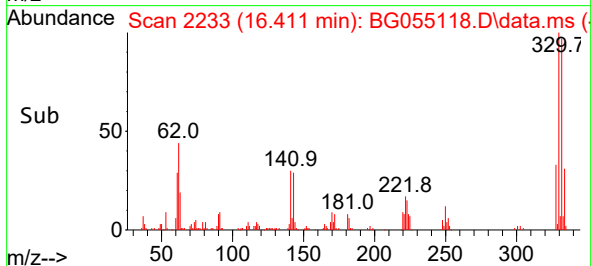
Instrument :
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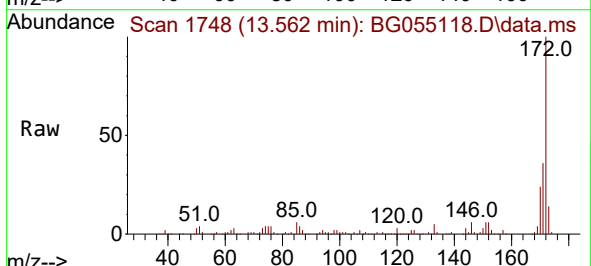
Tgt Ion:330 Resp: 7054
Ion Ratio Lower Upper
330 100
332 97.0 77.4 116.0
141 32.3 25.0 37.4

Manual Integrations
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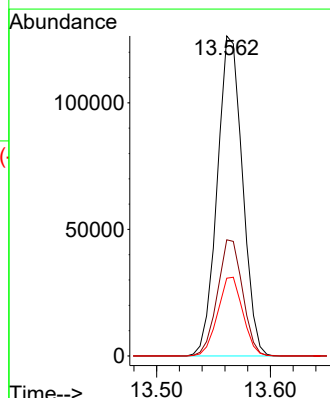
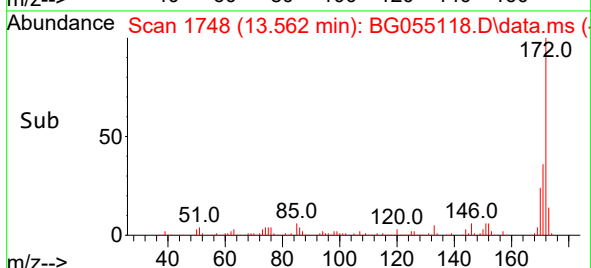
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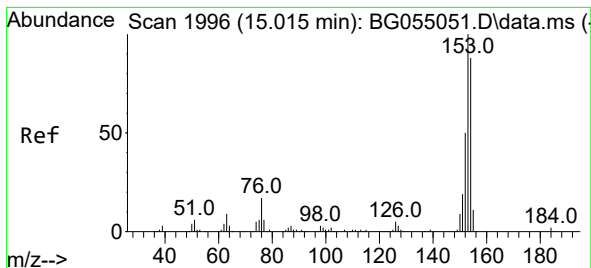


#45
2-Fluorobiphenyl
Concen: 24.228 ng
RT: 13.562 min Scan# 1748
Delta R.T. -0.011 min
Lab File: BG055118.D
Acq: 10 Oct 2022 18:46



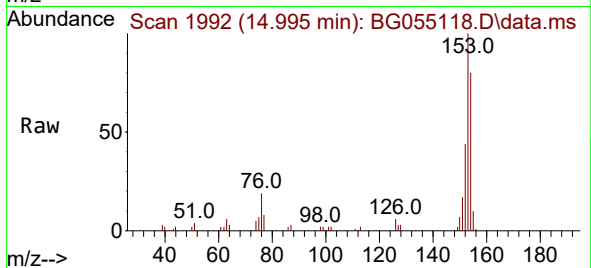
Tgt Ion:172 Resp: 194836
Ion Ratio Lower Upper
172 100
171 36.3 30.1 45.1
170 24.3 20.0 30.0





#52
Acenaphthene
Concen: 2.078 ng
RT: 14.995 min Scan# 1996
Delta R.T. -0.011 min
Lab File: BG055118.D
Acq: 10 Oct 2022 18:46

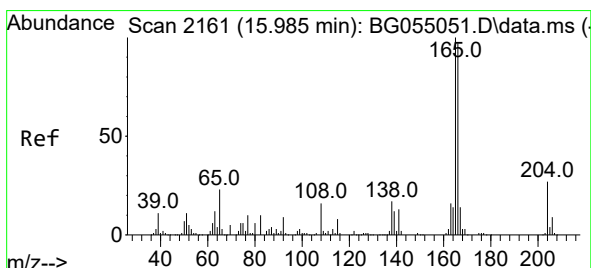
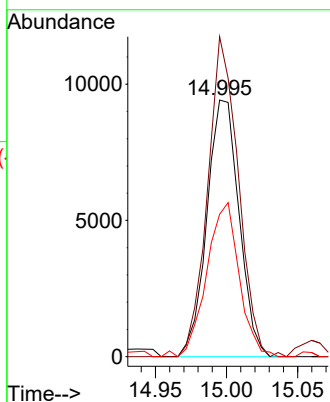
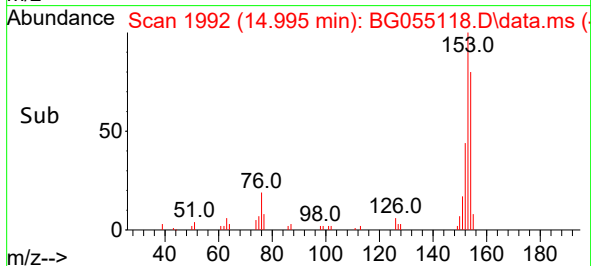
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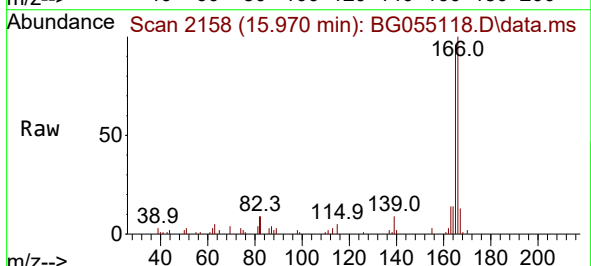
Tgt Ion:154 Resp: 1482
Ion Ratio Lower Upper
154 100
153 124.6 91.4 137.0
152 55.5 45.3 67.9

Manual Integrations
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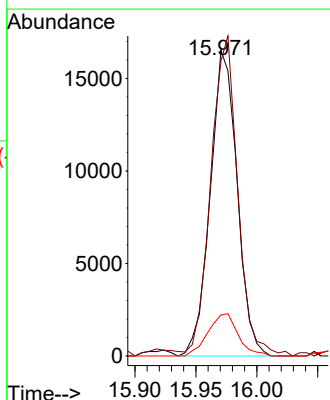
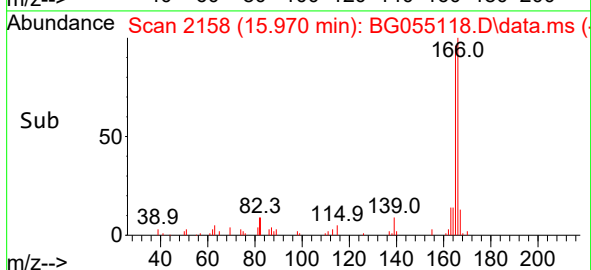
Reviewed By :Christian Giraldo 10/11/2022
Supervised By :mohammad ahmed 10/17/2022

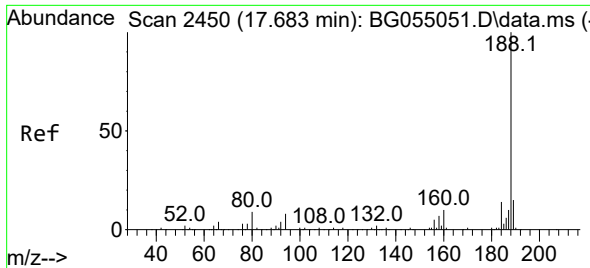


#58
Fluorene
Concen: 2.785 ng
RT: 15.970 min Scan# 2158
Delta R.T. -0.011 min
Lab File: BG055118.D
Acq: 10 Oct 2022 18:46



Tgt Ion:166 Resp: 25360
Ion Ratio Lower Upper
166 100
165 96.4 82.6 123.8
167 13.4 11.8 17.8





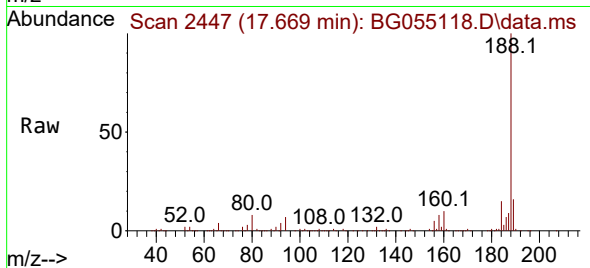
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.669 min Scan# 2447
Delta R.T. -0.005 min
Lab File: BG055118.D
Acq: 10 Oct 2022 18:46

Instrument :

BNA_G

ClientSampleId :

OR-3-100622DL

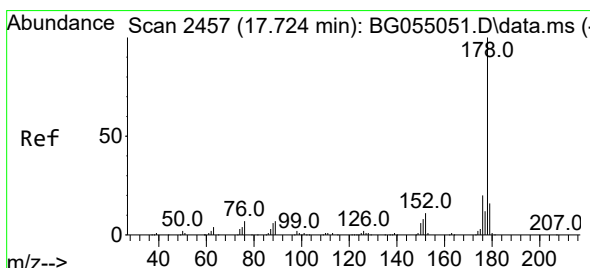
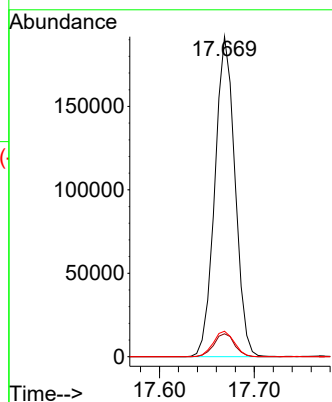
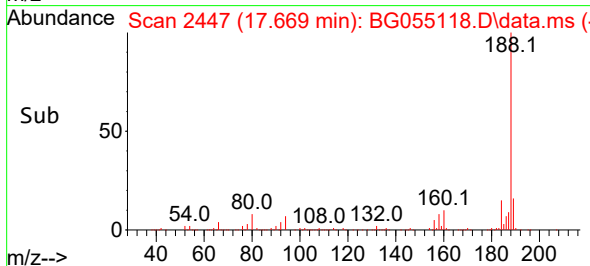


Tgt Ion:188 Resp: 282788
Ion Ratio Lower Upper
188 100
94 7.2 6.2 9.2
80 8.0 7.2 10.8

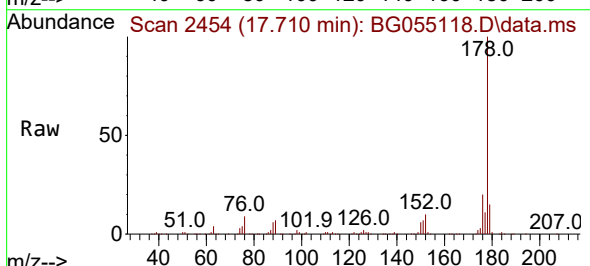
Manual Integrations

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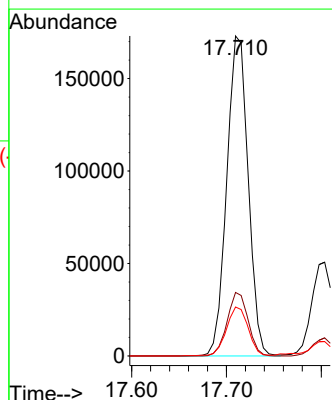
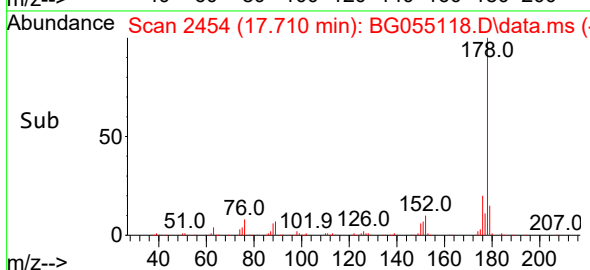
Reviewed By :Christian Giraldo 10/11/2022
Supervised By :mohammad ahmed 10/17/2022

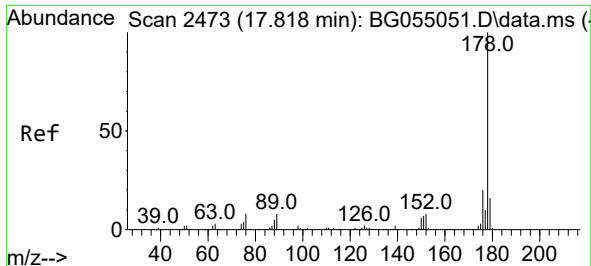


#71
Phenanthrene
Concen: 18.296 ng
RT: 17.710 min Scan# 2454
Delta R.T. -0.011 min
Lab File: BG055118.D
Acq: 10 Oct 2022 18:46



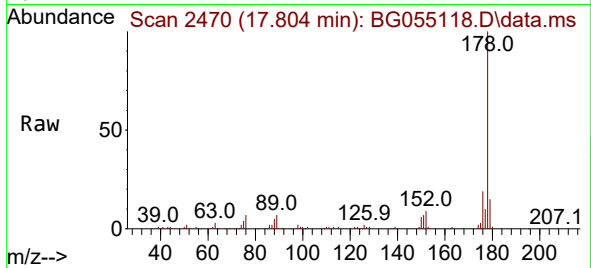
Tgt Ion:178 Resp: 271774
Ion Ratio Lower Upper
178 100
176 19.9 15.8 23.6
179 15.3 13.2 19.8





#72
 Anthracene
 Concen: 5.379 ng
 RT: 17.804 min Scan# 2473
 Delta R.T. -0.005 min
 Lab File: BG055118.D
 Acq: 10 Oct 2022 18:46

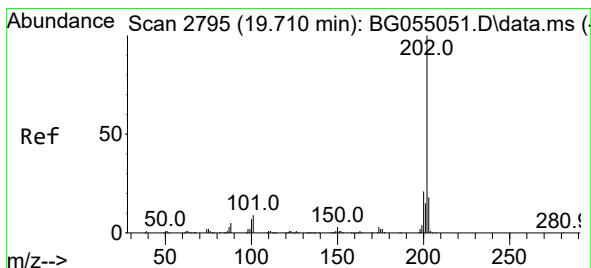
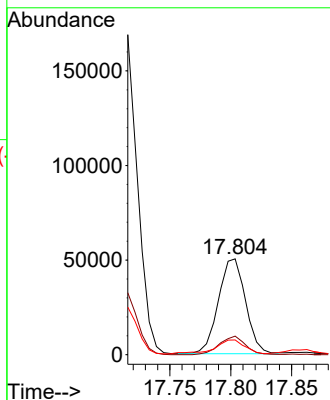
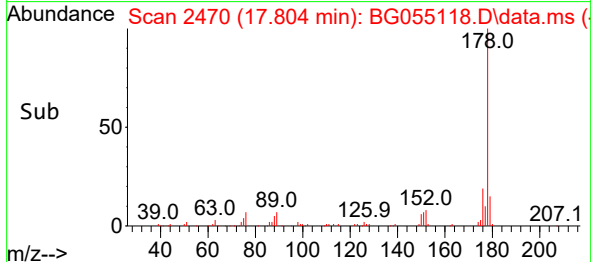
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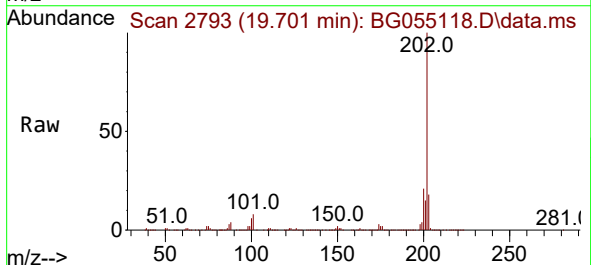
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 Ion Ratio Lower Upper
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 176 19.3 15.7 23.5
 179 15.3 12.5 18.7

Manual Integrations
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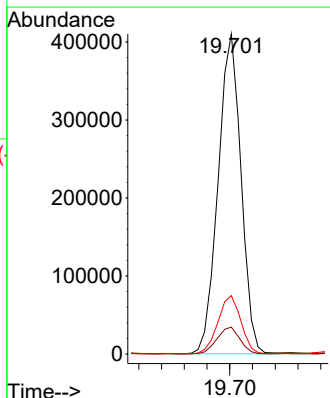
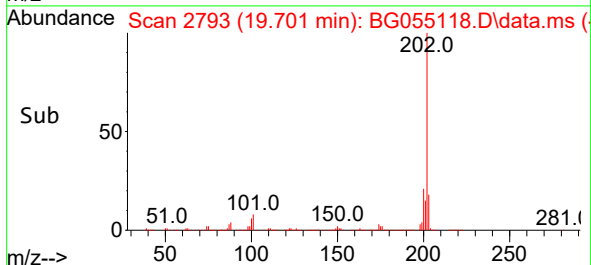
Reviewed By :Christian Giraldo 10/11/2022
 Supervised By :mohammad ahmed 10/17/2022

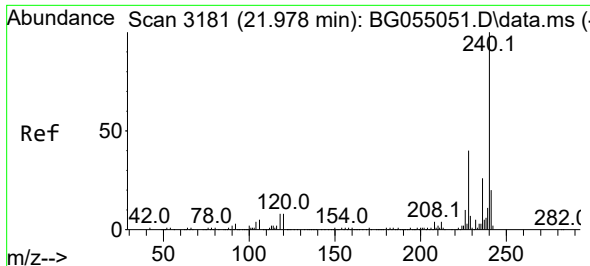


#75
 Fluoranthene
 Concen: 30.971 ng
 RT: 19.701 min Scan# 2793
 Delta R.T. -0.005 min
 Lab File: BG055118.D
 Acq: 10 Oct 2022 18:46



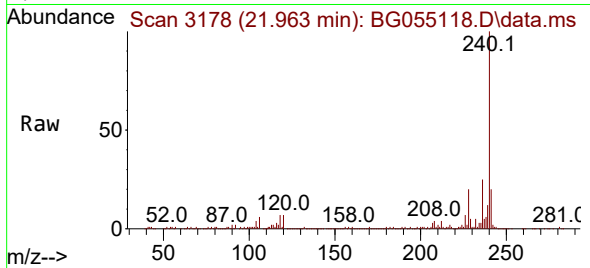
Tgt Ion:202 Resp: 573932
 Ion Ratio Lower Upper
 202 100
 101 8.4 0.0 28.9
 203 18.3 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.963 min Scan# 3181
Delta R.T. -0.005 min
Lab File: BG055118.D
Acq: 10 Oct 2022 18:46

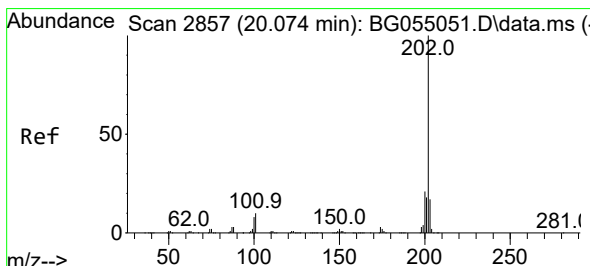
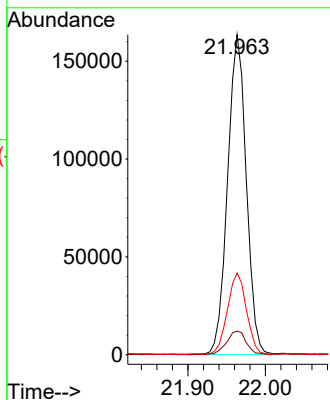
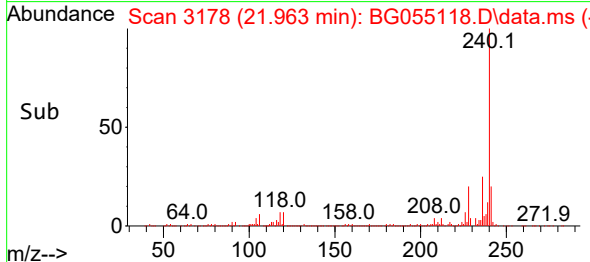
Instrument :
BNA_G
ClientSampleId :
OR-3-100622DL



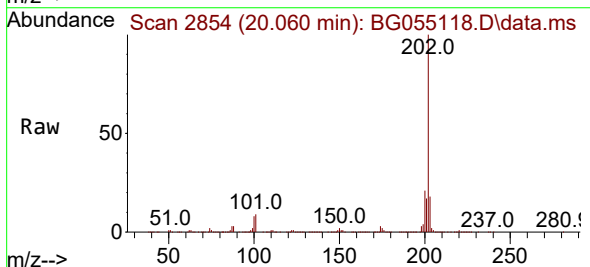
Tgt Ion:240 Resp: 27474
Ion Ratio Lower Upper
240 100
120 7.4 6.2 9.4
236 25.5 20.6 30.8

Manual Integrations
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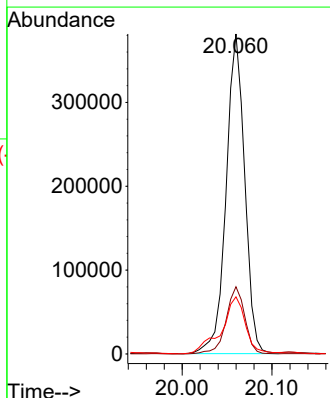
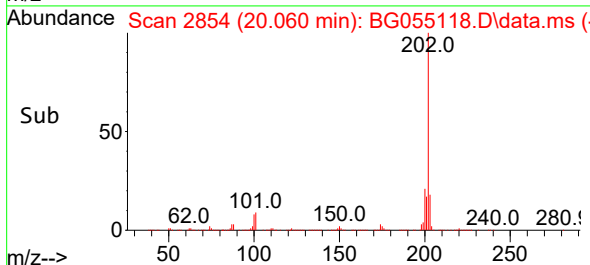
Reviewed By :Christian Giraldo 10/11/2022
Supervised By :mohammad ahmed 10/17/2022

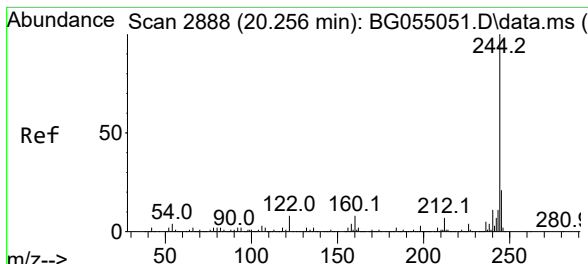


#78
Pyrene
Concen: 29.911 ng
RT: 20.060 min Scan# 2854
Delta R.T. -0.005 min
Lab File: BG055118.D
Acq: 10 Oct 2022 18:46



Tgt Ion:202 Resp: 546451
Ion Ratio Lower Upper
202 100
200 21.0 16.6 25.0
203 17.8 14.0 21.0





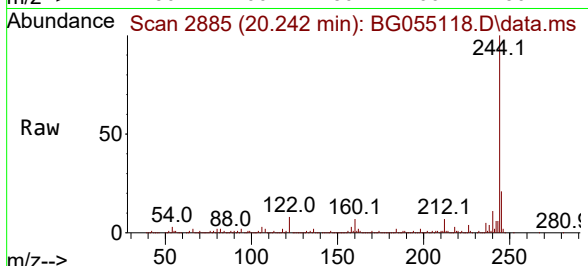
#79
 Terphenyl-d14
 Concen: 22.751 ng
 RT: 20.242 min Scan# 21
 Delta R.T. -0.011 min
 Lab File: BG055118.D
 Acq: 10 Oct 2022 18:46

Instrument :

BNA_G

ClientSampleId :

OR-3-100622DL

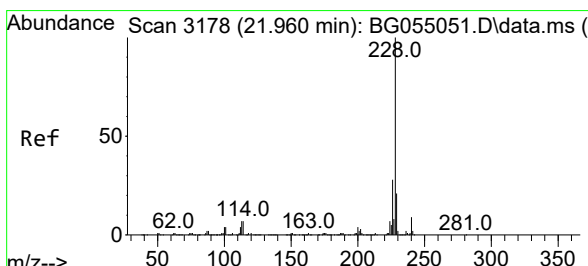
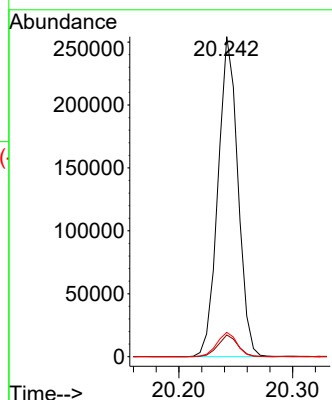
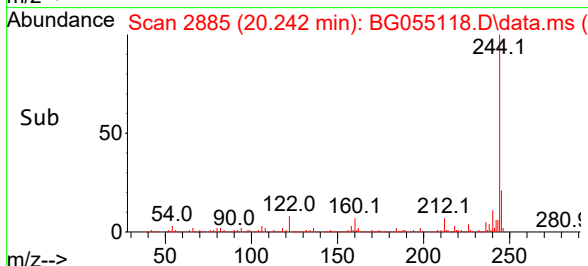


Tgt Ion:244 Resp: 309250
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 7.6 6.6 10.0

Manual Integrations

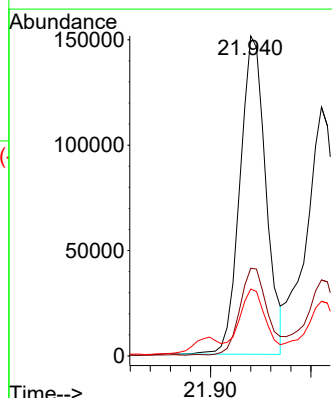
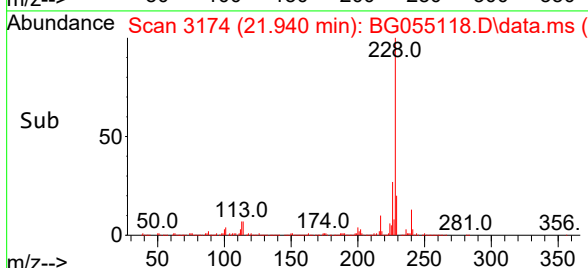
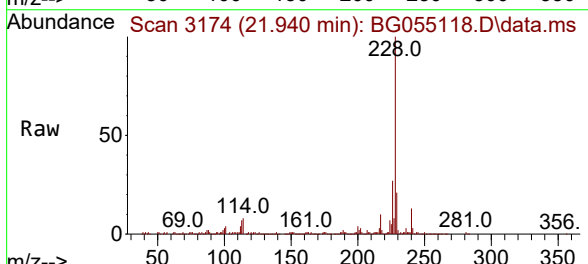
APPROVED

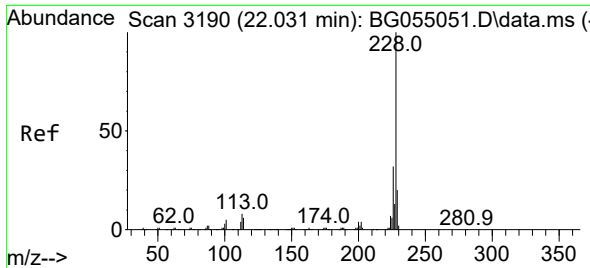
Reviewed By :Christian Giraldo 10/11/2022
 Supervised By :mohammad ahmed 10/17/2022



#81
 Benzo(a)anthracene
 Concen: 15.498 ng
 RT: 21.940 min Scan# 3174
 Delta R.T. -0.011 min
 Lab File: BG055118.D
 Acq: 10 Oct 2022 18:46

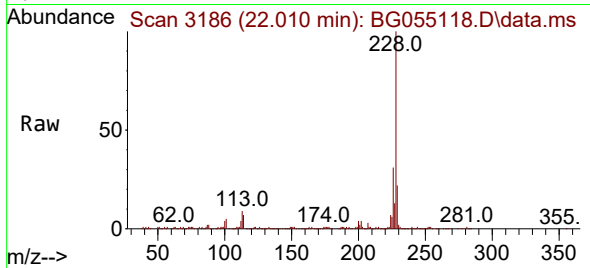
Tgt Ion:228 Resp: 270500
 Ion Ratio Lower Upper
 228 100
 226 27.4 22.4 33.6
 229 20.9 16.7 25.1





#83
Chrysene
Concen: 14.384 ng m
RT: 22.010 min Scan# 3190
Delta R.T. -0.011 min
Lab File: BG055118.D
Acq: 10 Oct 2022 18:46

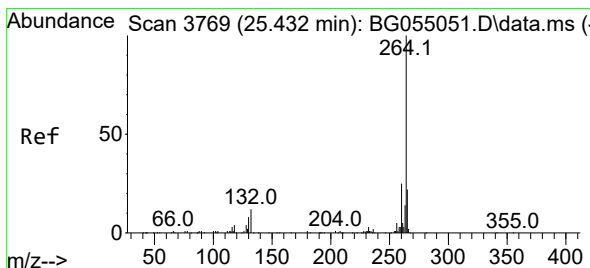
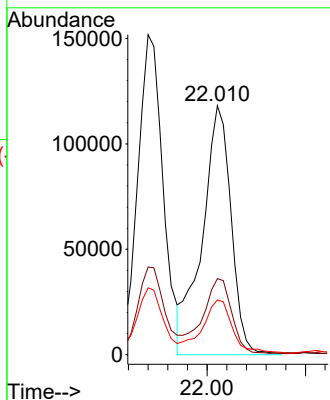
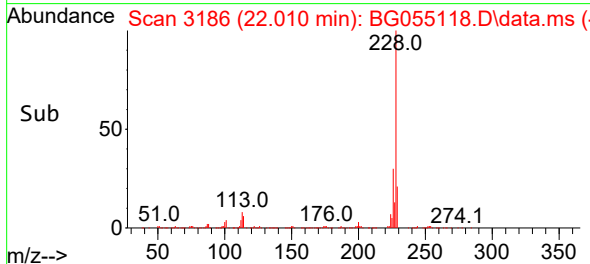
Instrument :
BNA_G
ClientSampleId :
OR-3-100622DL



Tgt Ion:228 Resp: 241969
Ion Ratio Lower Upper
228 100
226 30.5 25.3 37.9
229 22.0 16.1 24.1

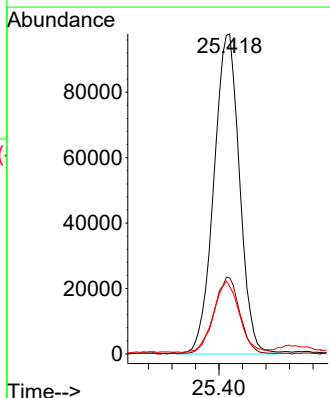
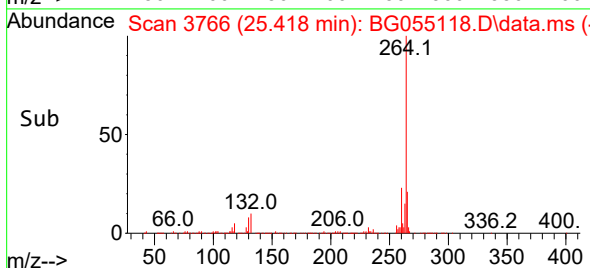
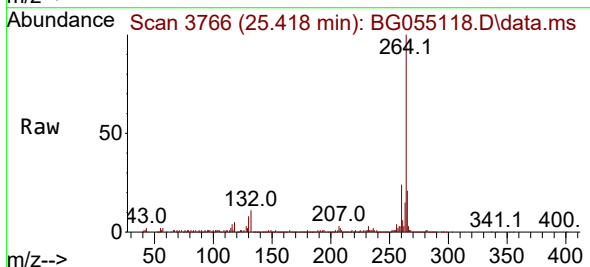
Manual Integrations
APPROVED

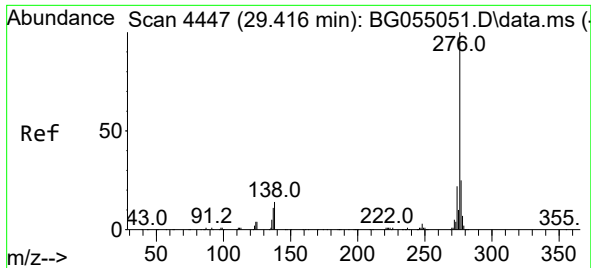
Reviewed By :Christian Giraldo 10/11/2022
Supervised By :mohammad ahmed 10/17/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.418 min Scan# 3766
Delta R.T. 0.001 min
Lab File: BG055118.D
Acq: 10 Oct 2022 18:46

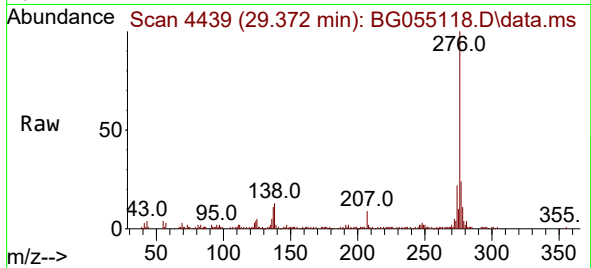
Tgt Ion:264 Resp: 296337
Ion Ratio Lower Upper
264 100
260 23.7 19.7 29.5
265 21.1 17.8 26.6





#87
Indeno(1,2,3-cd)pyrene
Concen: 8.389 ng
RT: 29.372 min Scan# 4447
Delta R.T. -0.017 min
Lab File: BG055118.D
Acq: 10 Oct 2022 18:46

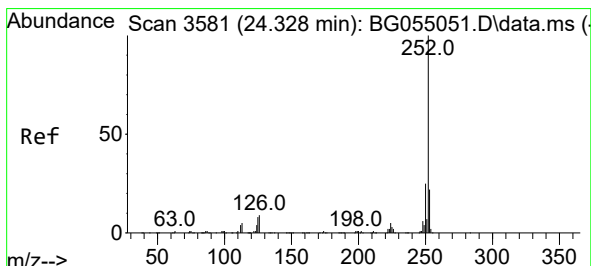
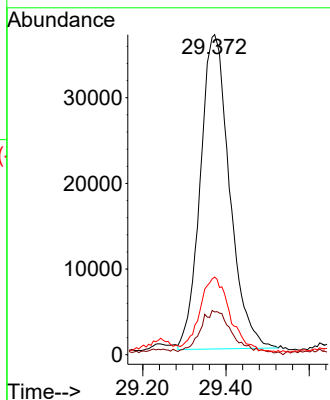
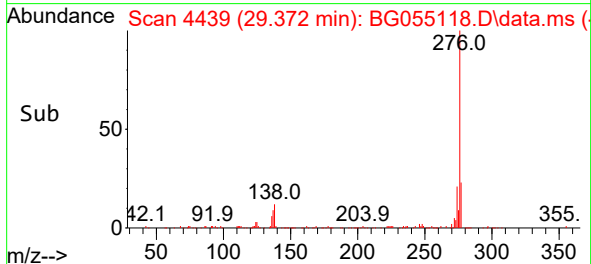
Instrument :
BNA_G
ClientSampleId :
OR-3-100622DL



Tgt Ion:276 Resp: 179412
Ion Ratio Lower Upper
276 100
138 16.2 10.0 15.0
277 24.6 20.0 30.0

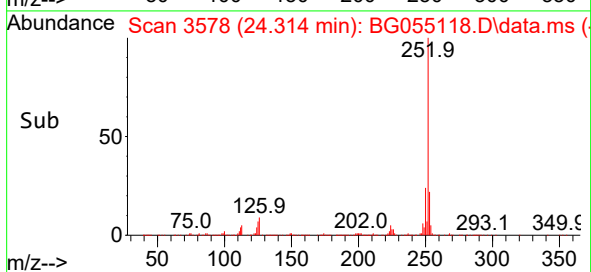
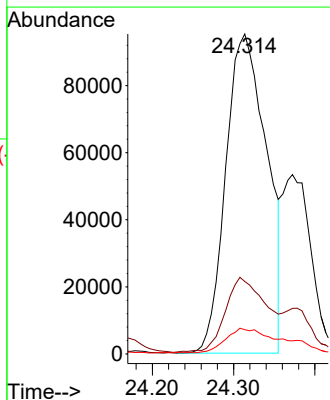
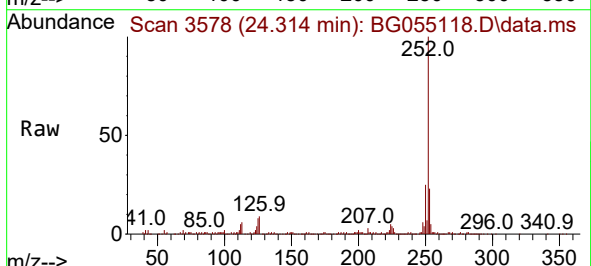
Manual Integrations
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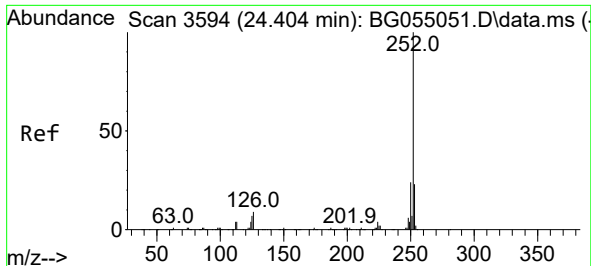
Reviewed By :Christian Giraldo 10/11/2022
Supervised By :mohammad ahmed 10/17/2022



#88
Benzo(b)fluoranthene
Concen: 19.051 ng
RT: 24.314 min Scan# 3578
Delta R.T. -0.005 min
Lab File: BG055118.D
Acq: 10 Oct 2022 18:46

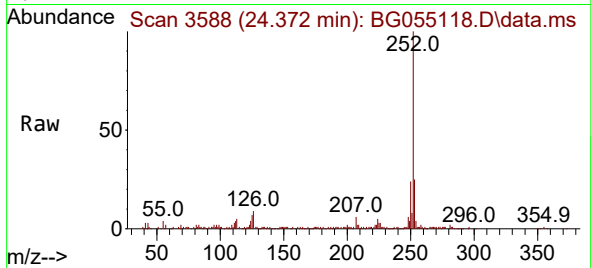
Tgt Ion:252 Resp: 332640
Ion Ratio Lower Upper
252 100
253 22.6 17.9 26.9
125 7.6 6.1 9.1





#89
Benzo(k)fluoranthene
Concen: 7.351 ng m
RT: 24.372 min Scan# 3
Delta R.T. -0.017 min
Lab File: BG055118.D
Acq: 10 Oct 2022 18:46

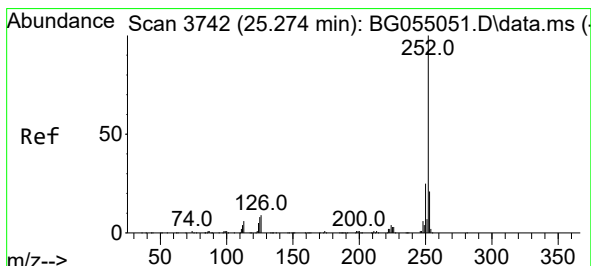
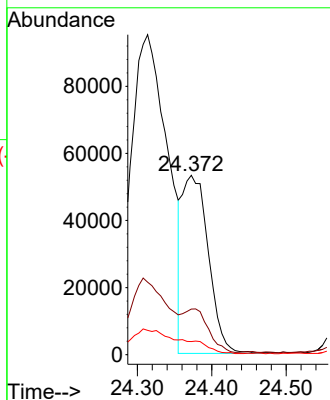
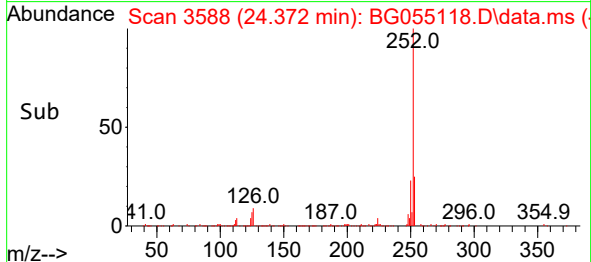
Instrument :
BNA_G
ClientSampleId :
OR-3-100622DL



Tgt Ion:252 Resp: 129314
Ion Ratio Lower Upper
252 100
253 25.4 17.9 26.9
125 7.3 5.8 8.6

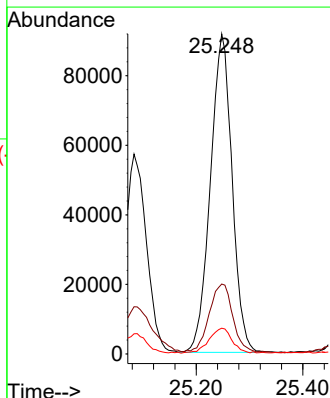
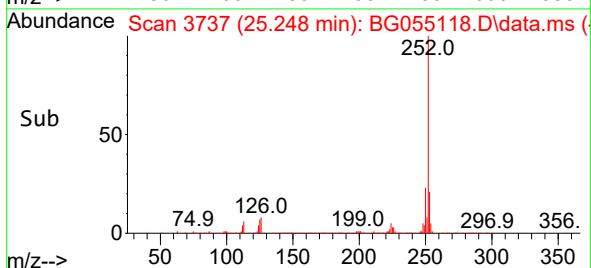
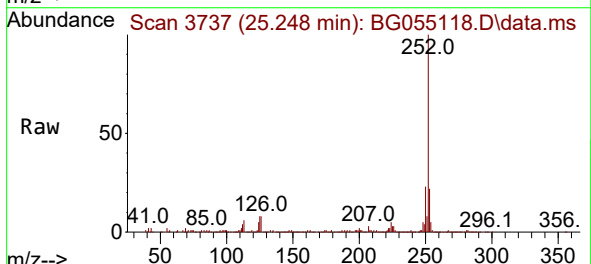
Manual Integrations
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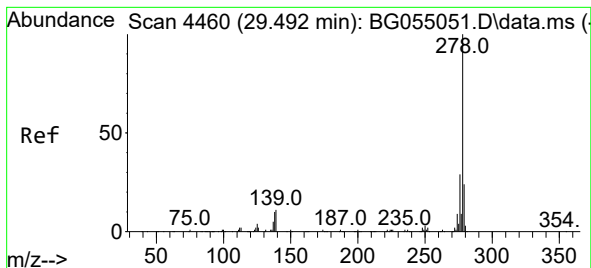
Reviewed By :Christian Giraldo 10/11/2022
Supervised By :mohammad ahmed 10/17/2022



#90
Benzo(a)pyrene
Concen: 17.240 ng
RT: 25.248 min Scan# 3737
Delta R.T. -0.005 min
Lab File: BG055118.D
Acq: 10 Oct 2022 18:46

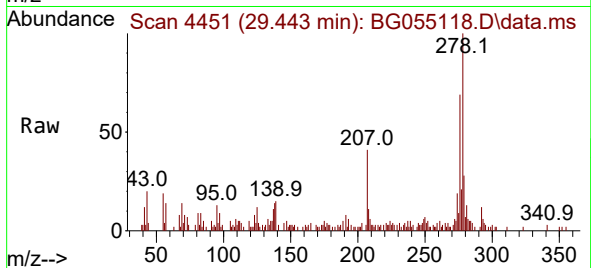
Tgt Ion:252 Resp: 257989
Ion Ratio Lower Upper
252 100
253 21.9 16.9 25.3
125 8.1 6.6 9.8





#91
Dibenzo(a,h)anthracene
Concen: 2.797 ng
RT: 29.443 min Scan# 4460
Delta R.T. -0.023 min
Lab File: BG055118.D
Acq: 10 Oct 2022 18:46

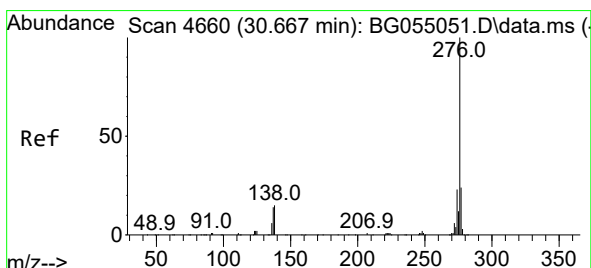
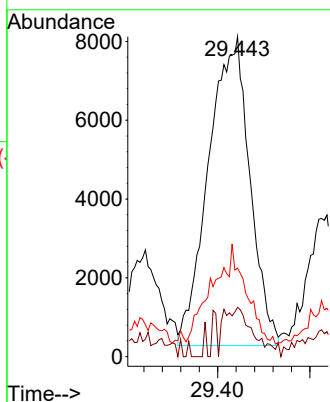
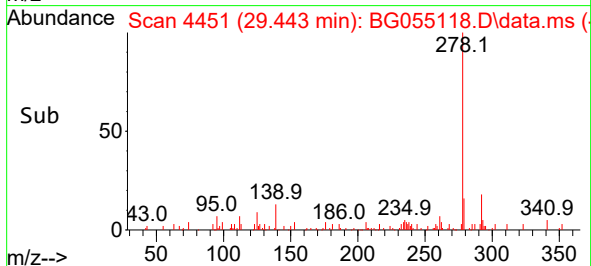
Instrument :
BNA_G
ClientSampleId :
OR-3-100622DL



Tgt Ion: 278 Resp: 4858
Ion Ratio Lower Upper
278 100
139 15.5 8.5 12.7
279 27.7 19.0 28.6

Manual Integrations
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Reviewed By : Christian Giraldo 10/11/2022
Supervised By : mohammad ahmed 10/17/2022



#92
Benzo(g,h,i)perylene
Concen: 9.978 ng
RT: 30.624 min Scan# 4652
Delta R.T. -0.005 min
Lab File: BG055118.D
Acq: 10 Oct 2022 18:46

Tgt Ion: 276 Resp: 174009
Ion Ratio Lower Upper
276 100
277 24.6 18.8 28.2
138 14.1 11.8 17.6

