

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101422\
 Data File : BG055188.D
 Acq On : 14 Oct 2022 21:51
 Operator : CG/JU
 Sample : N5142-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-8

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 10/17/2022
 Supervised By :mohammad ahmed 10/18/2022

Quant Time: Oct 17 04:31:20 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG101322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 13 05:14:13 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.308	152	40723	20.000	ng	0.00
21) Naphthalene-d8	11.140	136	166722	20.000	ng	0.00
39) Acenaphthene-d10	14.918	164	103813	20.000	ng	0.00
64) Phenanthrene-d10	17.650	188	210815	20.000	ng	0.00
76) Chrysene-d12	21.933	240	191616	20.000	ng	0.00
86) Perylene-d12	25.370	264	136409	20.000	ng	# 0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.828	112	284353	136.613	ng	0.00
7) Phenol-d6	7.444	99	374563	121.650	ng	0.00
23) Nitrobenzene-d5	9.477	82	238026	76.559	ng	0.00
42) 2,4,6-Tribromophenol	16.392	330	183537	123.041	ng	0.00
45) 2-Fluorobiphenyl	13.543	172	557668	87.752	ng	0.00
79) Terphenyl-d14	20.223	244	757807	79.651	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.691	178	51678	4.726	ng	99
75) Fluoranthene	19.683	202	102399	7.491	ng	96
78) Pyrene	20.041	202	91280	7.146	ng	99
81) Benzo(a)anthracene	21.915	228	45812	3.737	ng	# 91
83) Chrysene	21.986	228	43296	3.744	ng	# 95
88) Benzo(b)fluoranthene	24.277	252	43835	5.392	ng	# 74
89) Benzo(k)fluoranthene	24.324	252	22973m	2.812	ng	
90) Benzo(a)pyrene	25.205	252	28569	4.109	ng	# 74

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

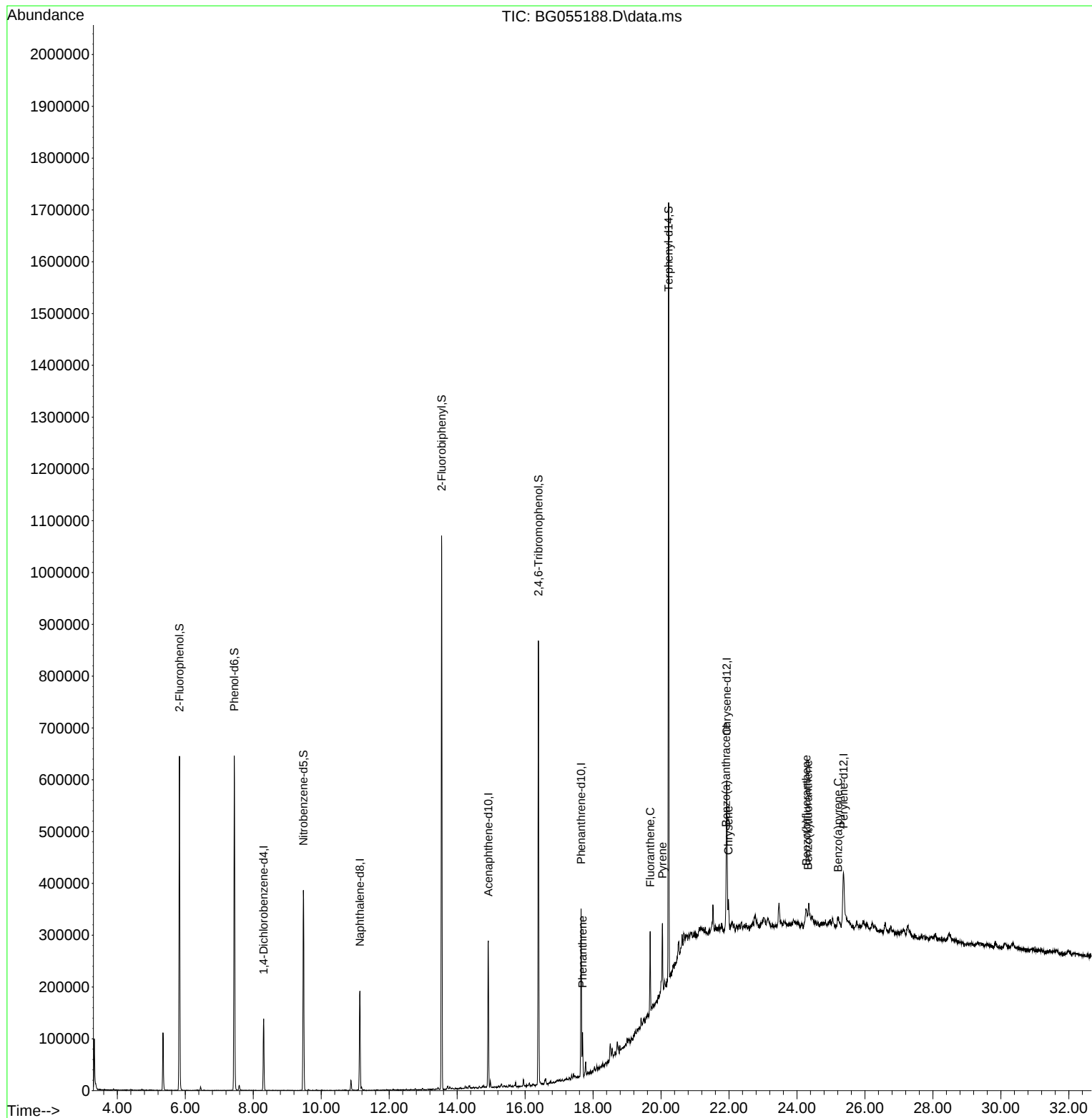
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101422\
Data File : BG055188.D
Acq On : 14 Oct 2022 21:51
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Misc :
ALS Vial : 16 Sample Multiplier: 1

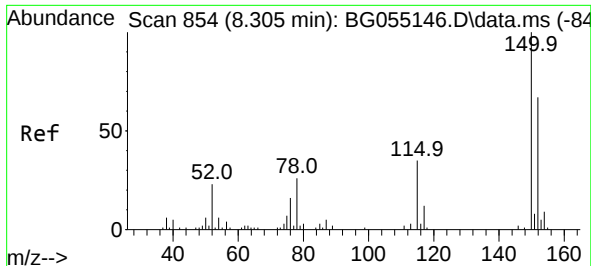
Instrument :
BNA_G
ClientSampleId :
WC-8

Quant Time: Oct 17 04:31:20 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG101322.M
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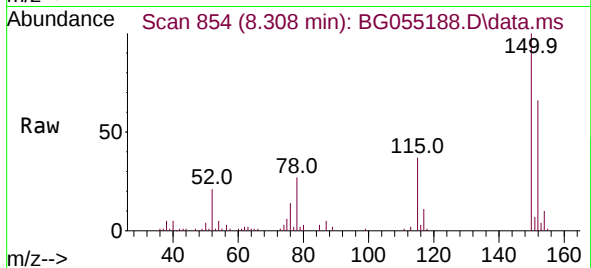
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Supervised By : mohammad ahmed 10/18/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.308 min Scan# 854
Delta R.T. 0.003 min
Lab File: BG055188.D
Acq: 14 Oct 2022 21:51

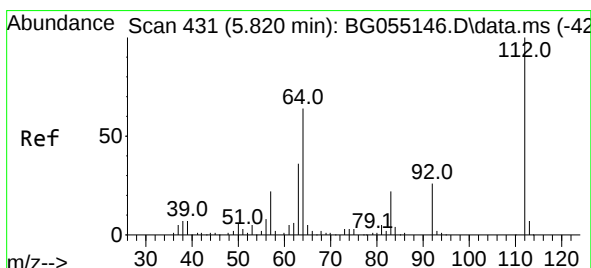
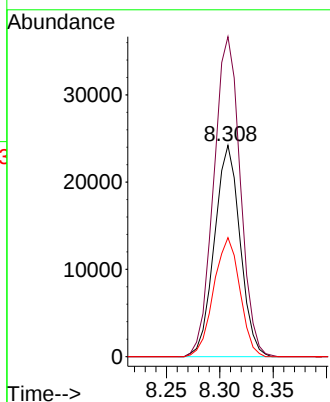
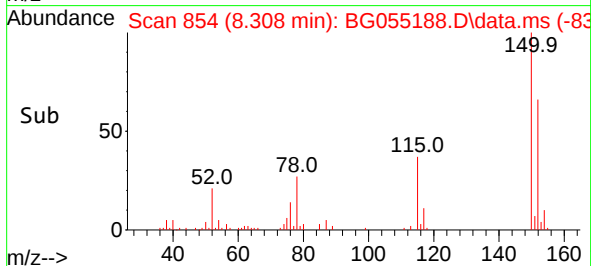
Instrument :
BNA_G
ClientSampleId :
WC-8



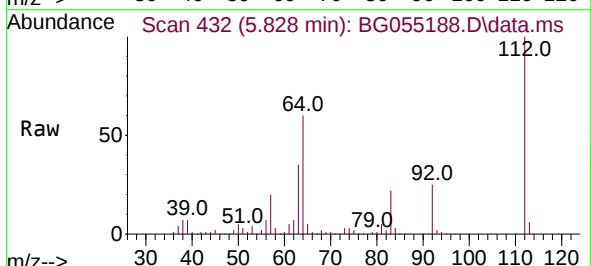
Tgt Ion:152 Resp: 40723
Ion Ratio Lower Upper
152 100
150 151.4 119.7 179.5
115 56.3 42.4 63.6

Manual Integrations
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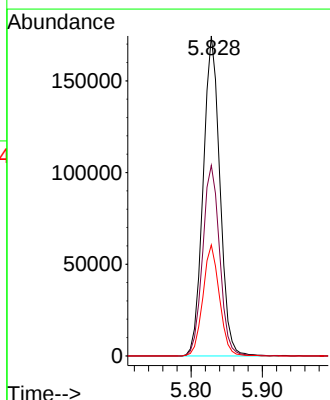
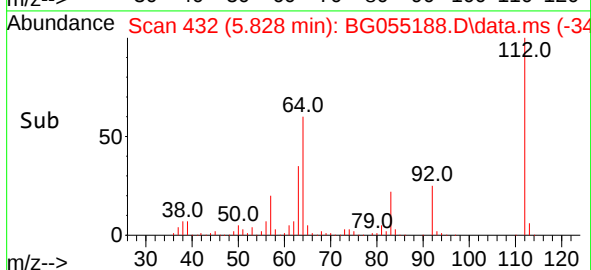
Reviewed By :Christian Giraldo 10/17/2022
Supervised By :mohammad ahmed 10/18/2022

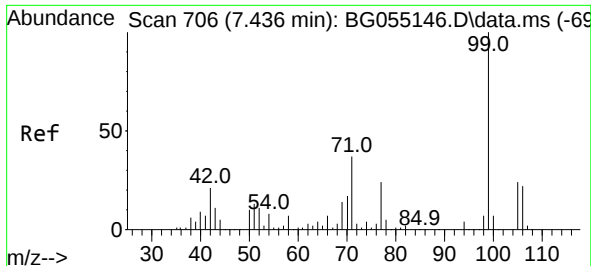


#5
2-Fluorophenol
Concen: 136.613 ng
RT: 5.828 min Scan# 432
Delta R.T. 0.008 min
Lab File: BG055188.D
Acq: 14 Oct 2022 21:51



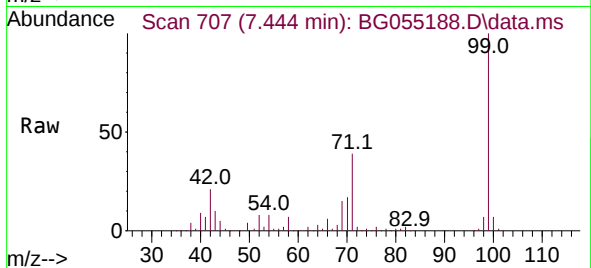
Tgt Ion:112 Resp: 284353
Ion Ratio Lower Upper
112 100
64 59.5 50.9 76.3
63 34.7 29.0 43.6





#7
Phenol-d6
Concen: 121.650 ng
RT: 7.444 min Scan# 706
Delta R.T. 0.008 min
Lab File: BG055188.D
Acq: 14 Oct 2022 21:51

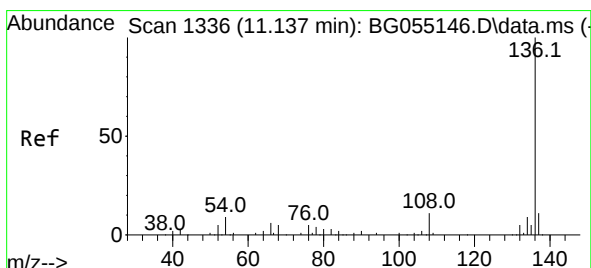
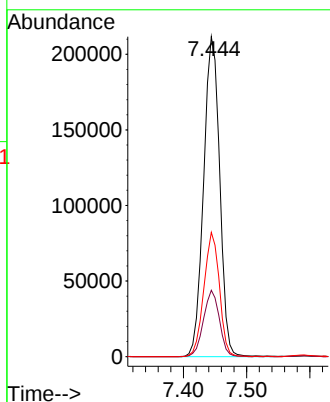
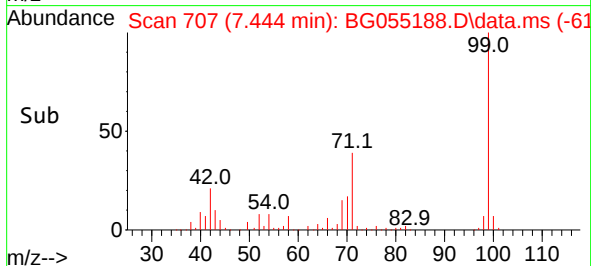
Instrument :
BNA_G
ClientSampleId :
WC-8



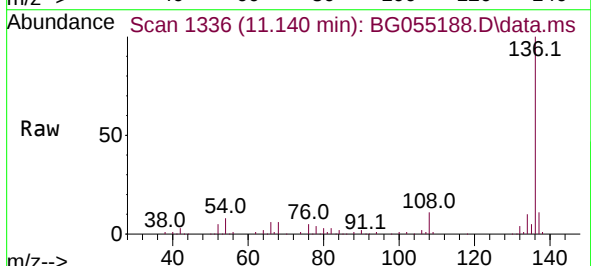
Tgt Ion: 99 Resp: 374563
Ion Ratio Lower Upper
99 100
42 20.7 16.6 25.0
71 38.9 29.6 44.4

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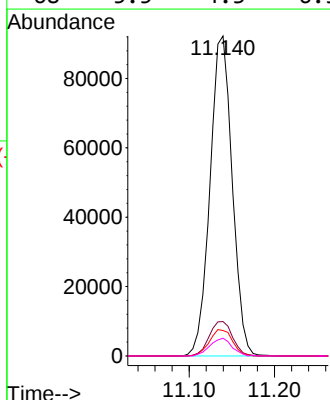
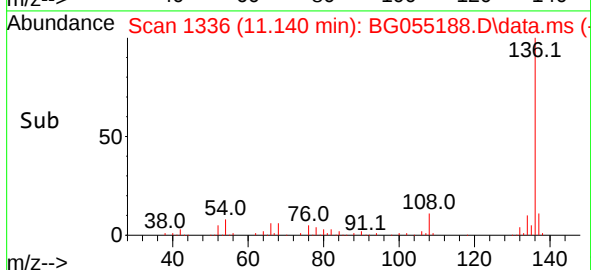
Reviewed By :Christian Giraldo 10/17/2022
Supervised By :mohammad ahmed 10/18/2022

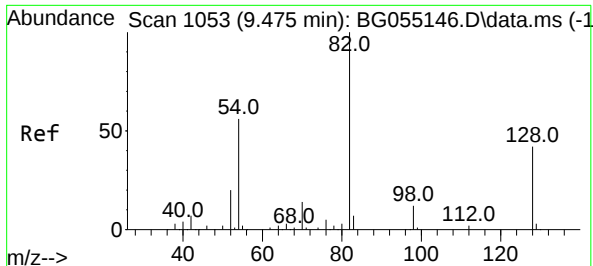


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.140 min Scan# 1336
Delta R.T. 0.003 min
Lab File: BG055188.D
Acq: 14 Oct 2022 21:51



Tgt Ion:136 Resp: 166722
Ion Ratio Lower Upper
136 100
137 10.7 9.1 13.7
54 7.9 7.0 10.6
68 5.5 4.3 6.5





#23

Nitrobenzene-d5

Concen: 76.559 ng

RT: 9.477 min Scan# 1053

Delta R.T. 0.002 min

Lab File: BG055188.D

Acq: 14 Oct 2022 21:51

Instrument :

BNA_G

ClientSampleId :

WC-8

Tgt Ion: 82 Resp: 238026

Ion Ratio Lower Upper

82 100

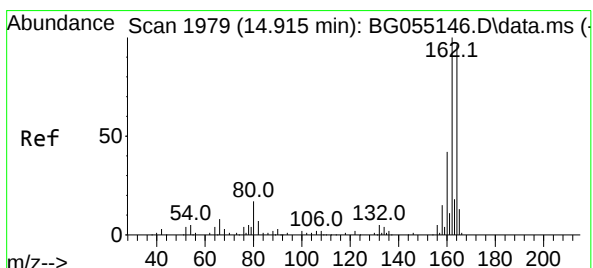
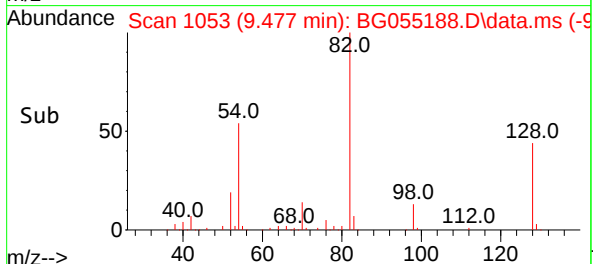
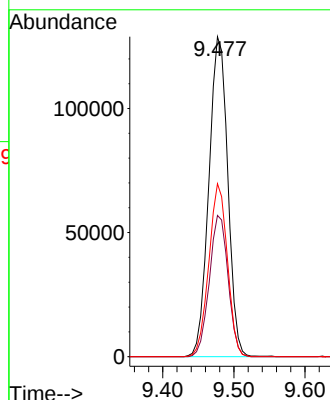
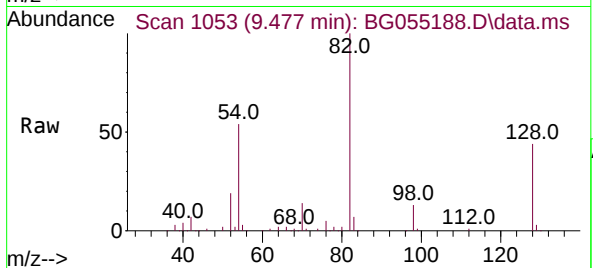
128 44.2 33.5 50.3

54 54.0 44.7 67.1

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.918 min Scan# 1979

Delta R.T. 0.002 min

Lab File: BG055188.D

Acq: 14 Oct 2022 21:51

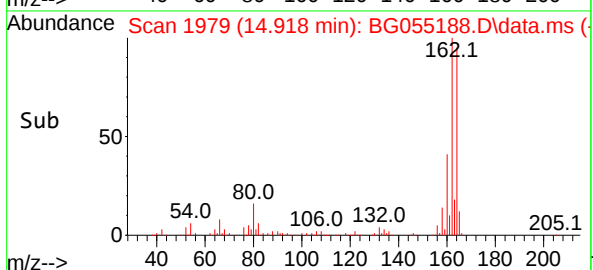
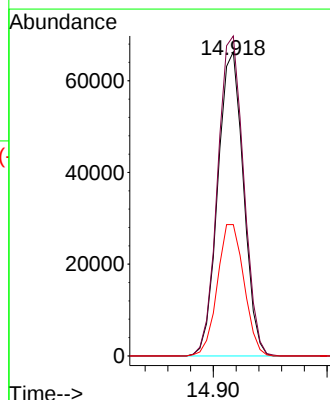
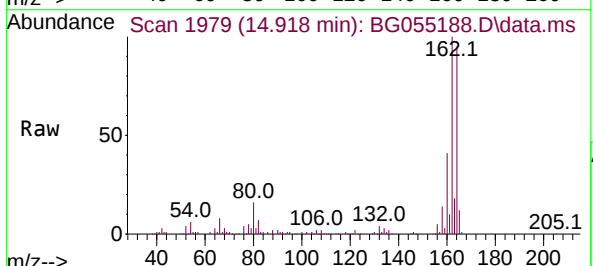
Tgt Ion:164 Resp: 103813

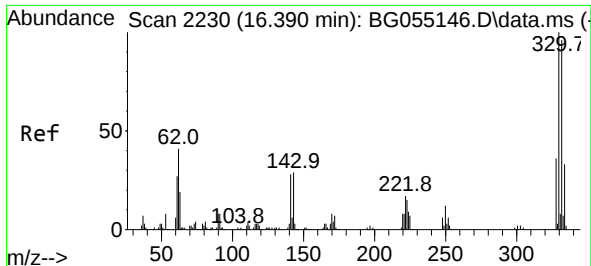
Ion Ratio Lower Upper

164 100

162 105.2 83.3 124.9

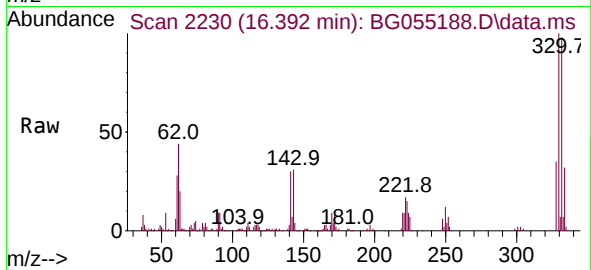
160 43.2 35.3 52.9





#42
2,4,6-Tribromophenol
Concen: 123.041 ng
RT: 16.392 min Scan# 2230
Delta R.T. 0.002 min
Lab File: BG055188.D
Acq: 14 Oct 2022 21:51

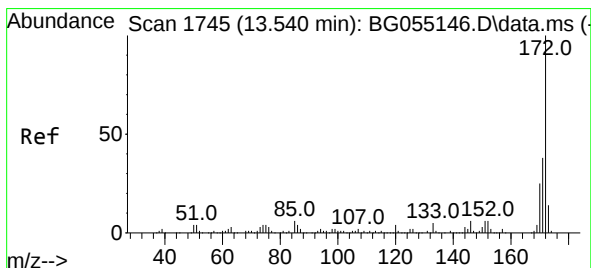
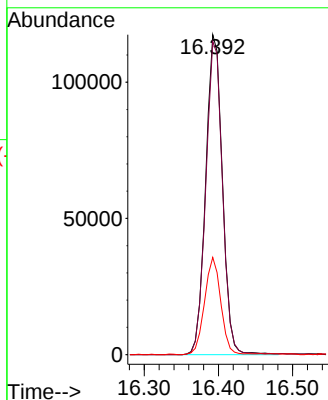
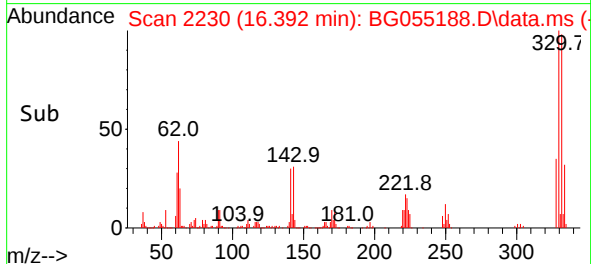
Instrument :
BNA_G
ClientSampleId :
WC-8



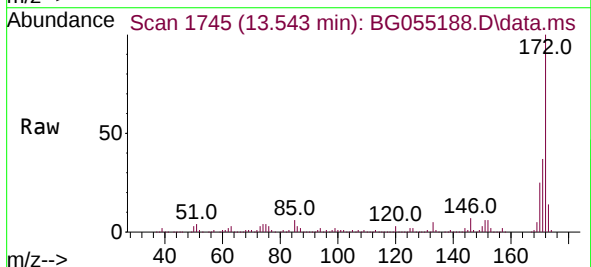
Tgt Ion:330 Resp: 18353
Ion Ratio Lower Upper
330 100
332 97.6 77.0 115.4
141 29.6 24.6 36.8

Manual Integrations
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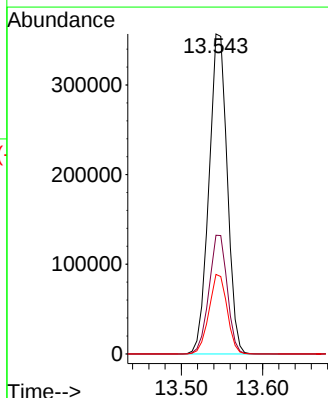
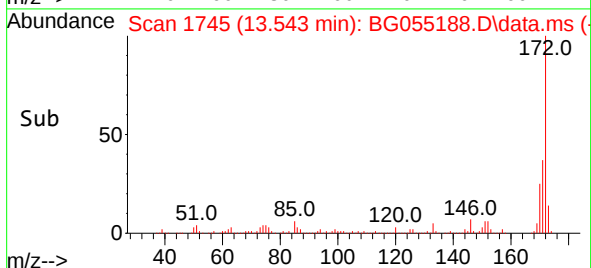
Reviewed By :Christian Giraldo 10/17/2022
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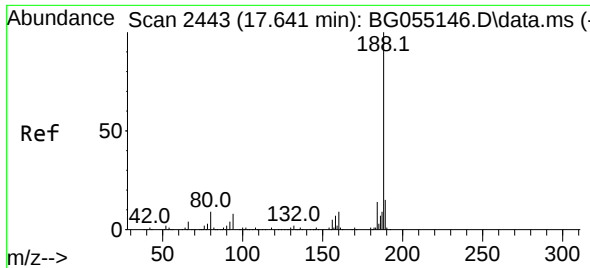


#45
2-Fluorobiphenyl
Concen: 87.752 ng
RT: 13.543 min Scan# 1745
Delta R.T. 0.002 min
Lab File: BG055188.D
Acq: 14 Oct 2022 21:51



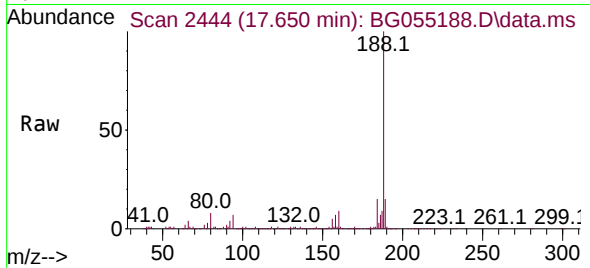
Tgt Ion:172 Resp: 557668
Ion Ratio Lower Upper
172 100
171 37.1 30.1 45.1
170 24.8 19.8 29.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.650 min Scan# 2444
Delta R.T. 0.008 min
Lab File: BG055188.D
Acq: 14 Oct 2022 21:51

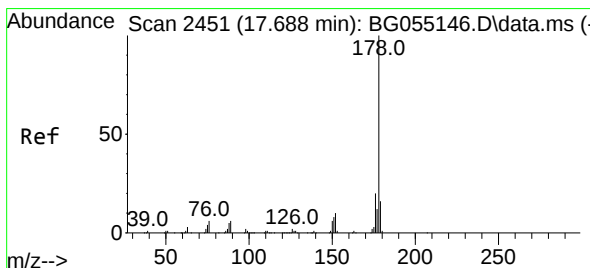
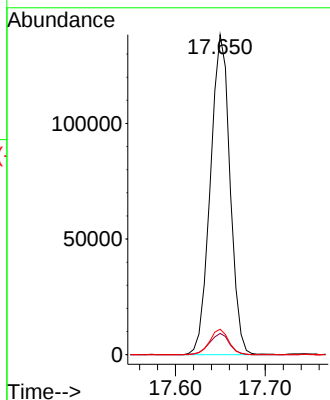
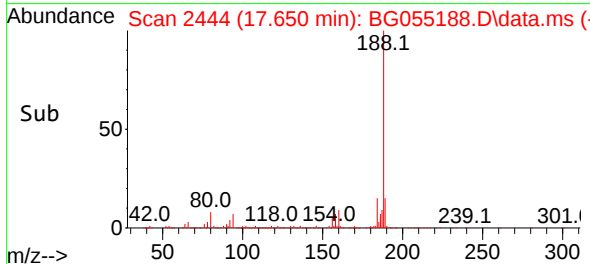
Instrument :
BNA_G
ClientSampleId :
WC-8



Tgt Ion:188 Resp: 210815
Ion Ratio Lower Upper
188 100
94 6.6 6.2 9.2
80 7.9 7.0 10.6

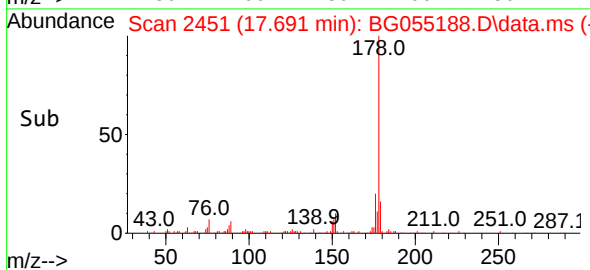
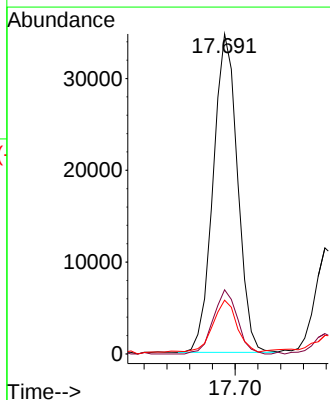
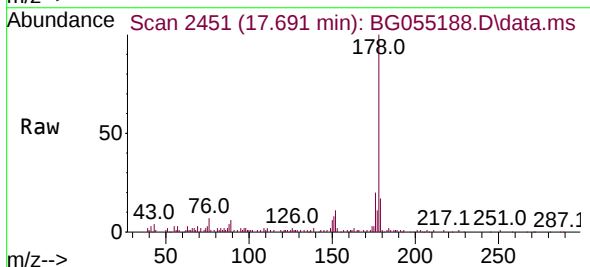
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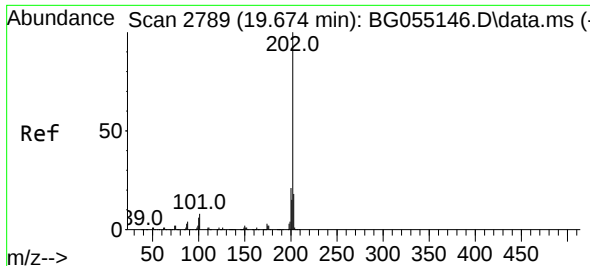
Reviewed By :Christian Giraldo 10/17/2022
Supervised By :mohammad ahmed 10/18/2022



#71
Phenanthrene
Concen: 4.726 ng
RT: 17.691 min Scan# 2451
Delta R.T. 0.002 min
Lab File: BG055188.D
Acq: 14 Oct 2022 21:51

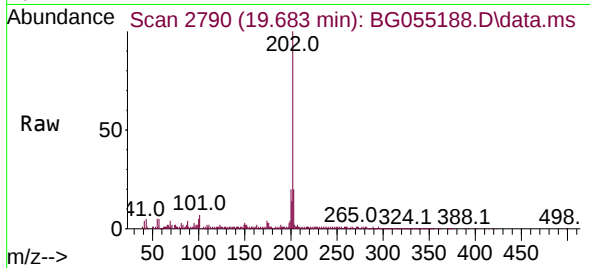
Tgt Ion:178 Resp: 51678
Ion Ratio Lower Upper
178 100
176 20.0 16.0 24.0
179 16.8 12.7 19.1





#75
Fluoranthene
Concen: 7.491 ng
RT: 19.683 min Scan# 21
Delta R.T. 0.008 min
Lab File: BG055188.D
Acq: 14 Oct 2022 21:51

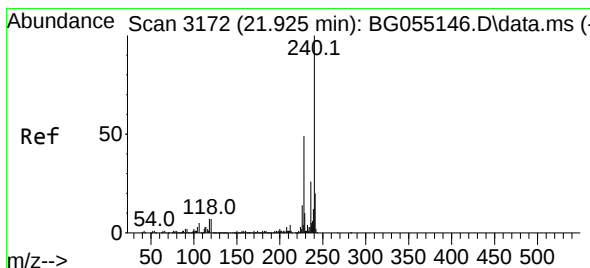
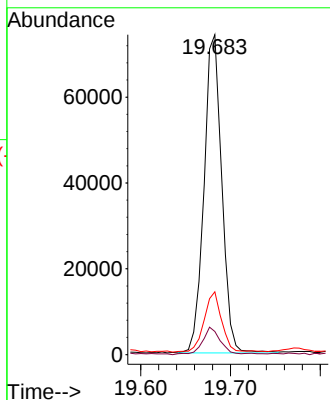
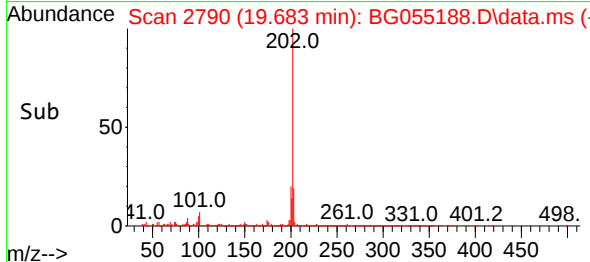
Instrument :
BNA_G
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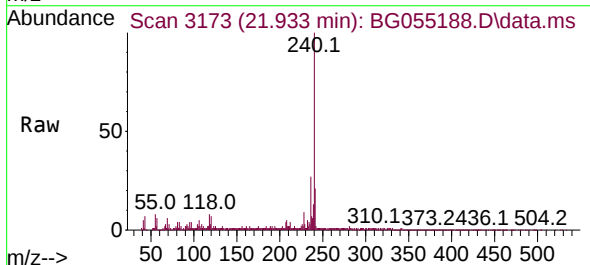
Tgt Ion:202 Resp: 102399
Ion Ratio Lower Upper
202 100
101 7.2 0.0 28.4
203 19.6 0.0 37.8

Manual Integrations
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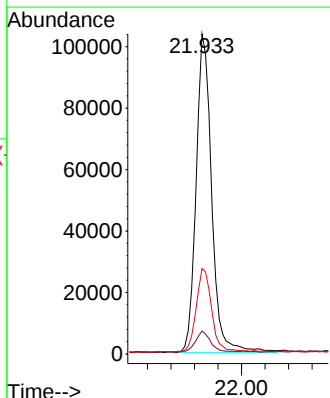
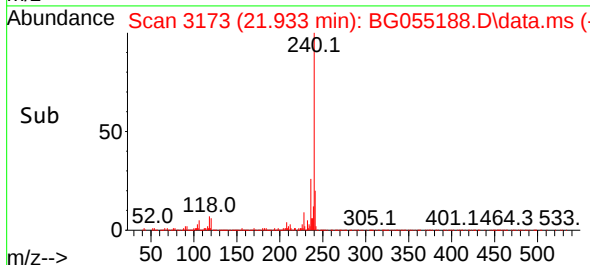
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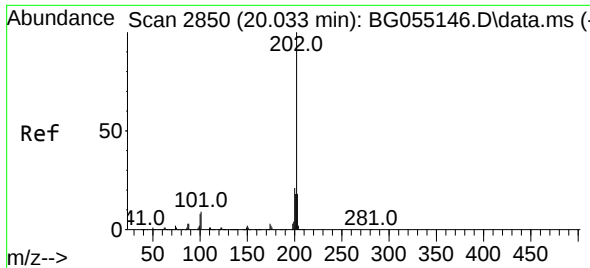


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.933 min Scan# 3173
Delta R.T. 0.008 min
Lab File: BG055188.D
Acq: 14 Oct 2022 21:51



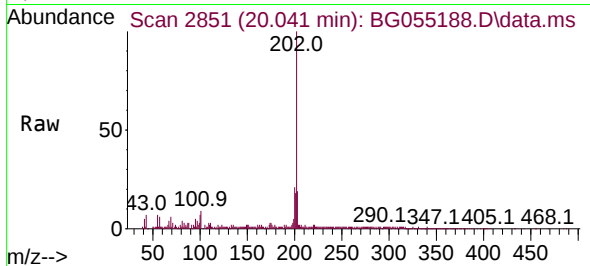
Tgt Ion:240 Resp: 191616
Ion Ratio Lower Upper
240 100
120 7.1 5.4 8.0
236 26.7 20.6 31.0





#78
 Pyrene
 Concen: 7.146 ng
 RT: 20.041 min Scan# 2851
 Delta R.T. 0.008 min
 Lab File: BG055188.D
 Acq: 14 Oct 2022 21:51

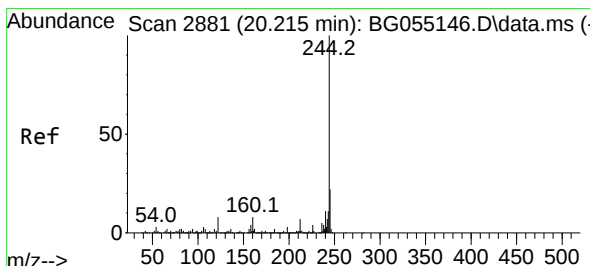
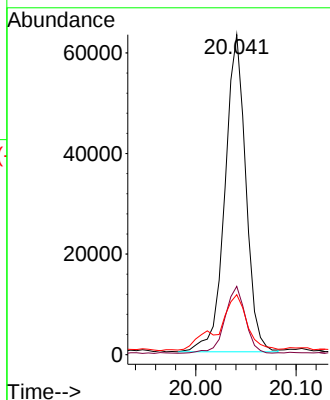
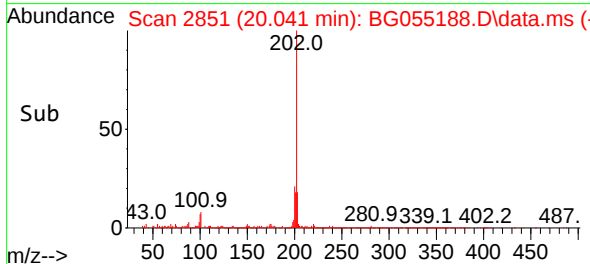
Instrument :
 BNA_G
 ClientSampleId :
 WC-8



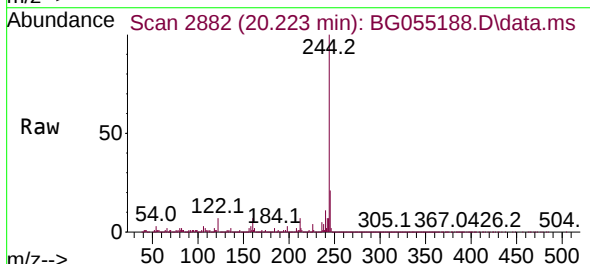
Tgt Ion:202 Resp: 91280
 Ion Ratio Lower Upper
 202 100
 200 21.3 16.9 25.3
 203 18.7 14.4 21.6

Manual Integrations
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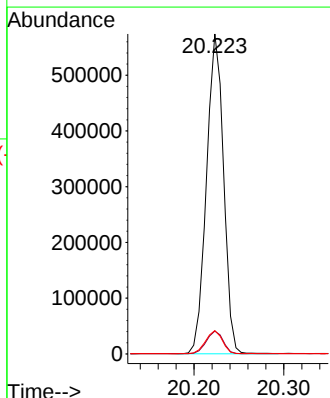
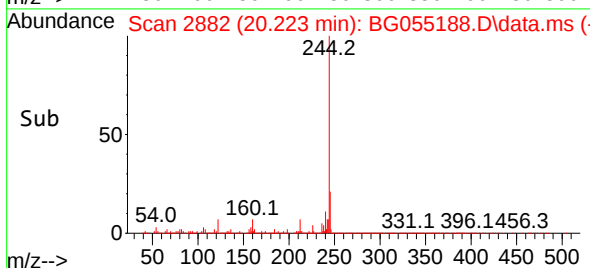
Reviewed By :Christian Giraldo 10/17/2022
 Supervised By :mohammad ahmed 10/18/2022

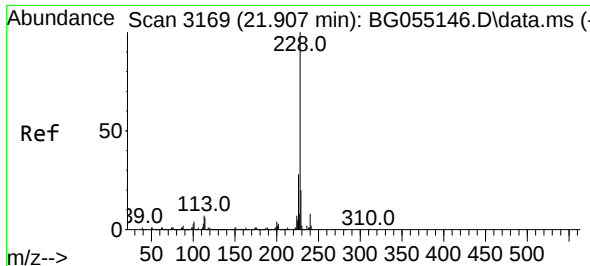


#79
 Terphenyl-d14
 Concen: 79.651 ng
 RT: 20.223 min Scan# 2882
 Delta R.T. 0.008 min
 Lab File: BG055188.D
 Acq: 14 Oct 2022 21:51



Tgt Ion:244 Resp: 757807
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.9 8.9
 122 7.3 6.6 10.0





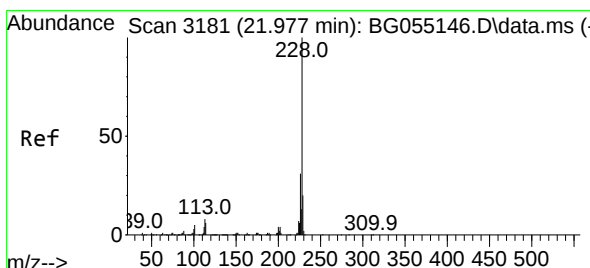
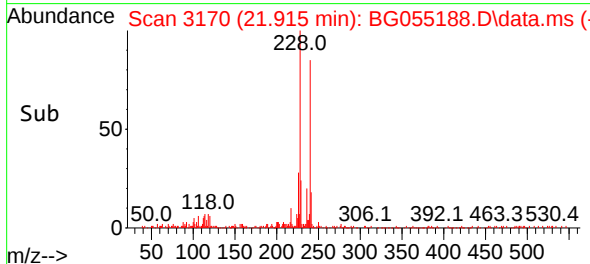
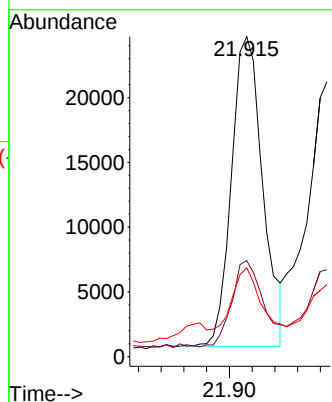
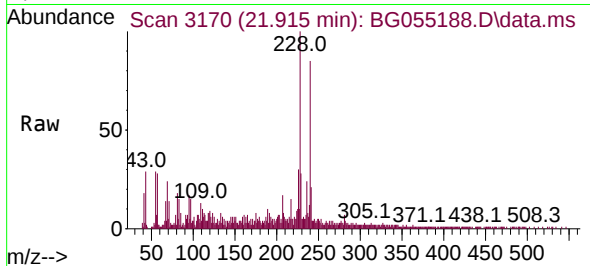
#81
Benzo(a)anthracene
Concen: 3.737 ng
RT: 21.915 min Scan# 3169
Delta R.T. 0.008 min
Lab File: BG055188.D
Acq: 14 Oct 2022 21:51

Instrument :
BNA_G
ClientSampleId :
WC-8

Tgt Ion:228 Resp: 45812
Ion Ratio Lower Upper
228 100
226 30.0 22.6 34.0
229 27.8 16.2 24.4

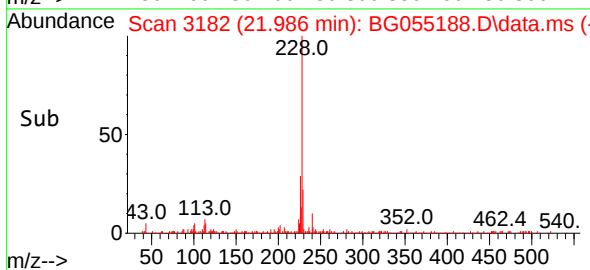
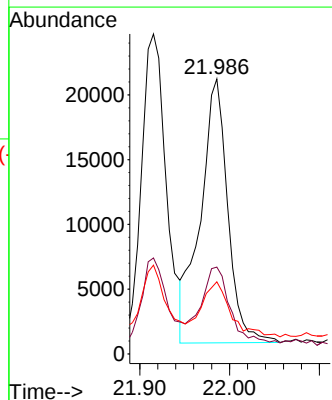
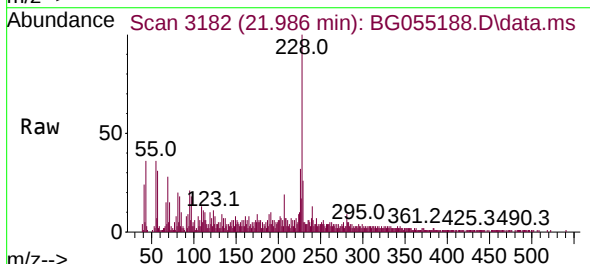
Manual Integrations
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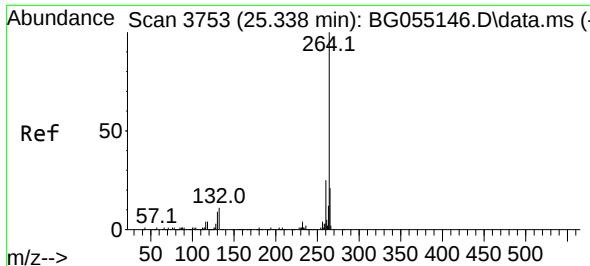
Reviewed By :Christian Giraldo 10/17/2022
Supervised By :mohammad ahmed 10/18/2022



#83
Chrysene
Concen: 3.744 ng
RT: 21.986 min Scan# 3182
Delta R.T. 0.008 min
Lab File: BG055188.D
Acq: 14 Oct 2022 21:51

Tgt Ion:228 Resp: 43296
Ion Ratio Lower Upper
228 100
226 31.5 25.1 37.7
229 26.2 16.2 24.2





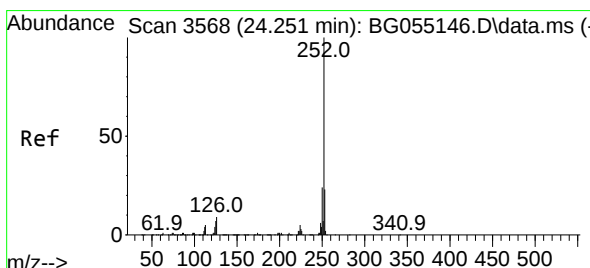
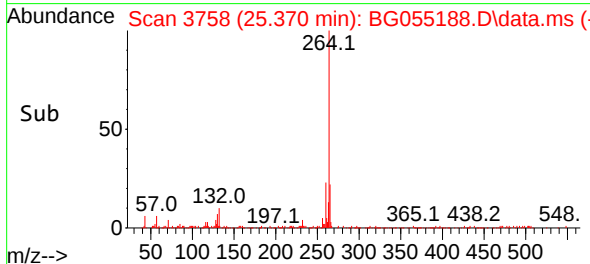
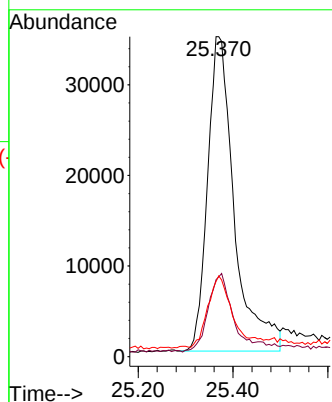
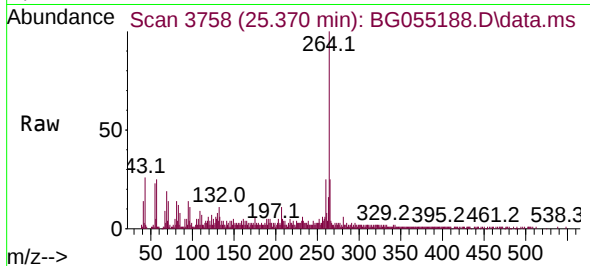
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.370 min Scan# 31
 Delta R.T. 0.032 min
 Lab File: BG055188.D
 Acq: 14 Oct 2022 21:51

Instrument :
 BNA_G
 ClientSampleId :
 WC-8

Tgt Ion:264 Resp: 136409
 Ion Ratio Lower Upper
 264 100
 260 25.0 20.1 30.1
 265 25.2 16.8 25.2

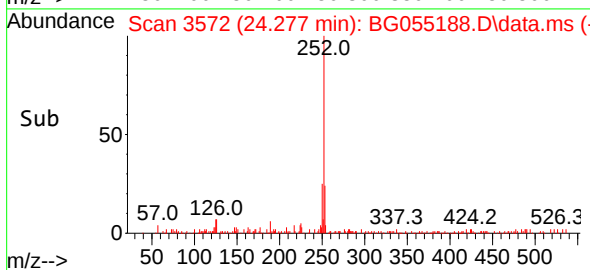
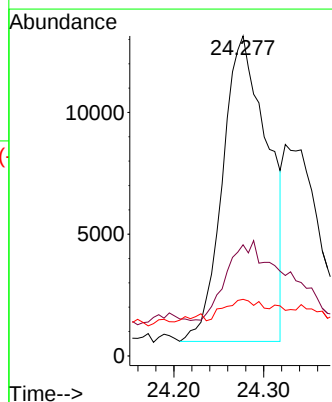
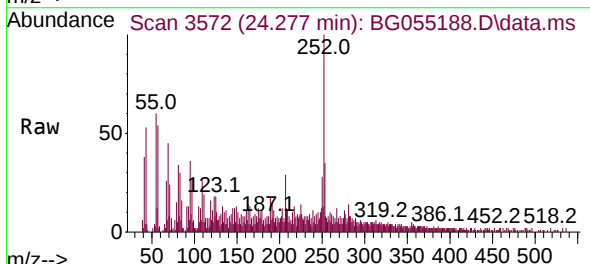
Manual Integrations
 APPROVED

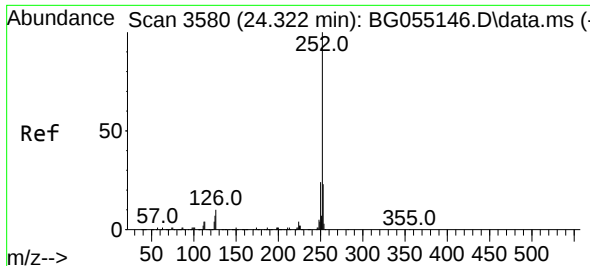
Reviewed By :Christian Giraldo 10/17/2022
 Supervised By :mohammad ahmed 10/18/2022



#88
 Benzo(b)fluoranthene
 Concen: 5.392 ng
 RT: 24.277 min Scan# 3572
 Delta R.T. 0.026 min
 Lab File: BG055188.D
 Acq: 14 Oct 2022 21:51

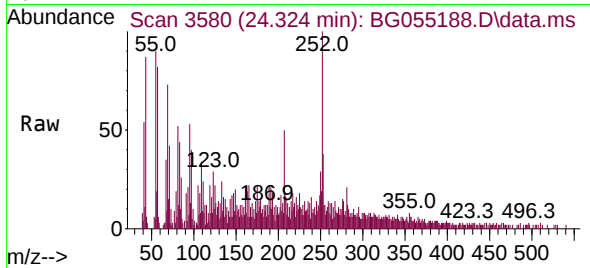
Tgt Ion:252 Resp: 43835
 Ion Ratio Lower Upper
 252 100
 253 34.7 18.2 27.2#
 125 17.7 5.7 8.5#





#89
Benzo(k)fluoranthene
Concen: 2.812 ng m
RT: 24.324 min Scan# 3580
Delta R.T. 0.002 min
Lab File: BG055188.D
Acq: 14 Oct 2022 21:51

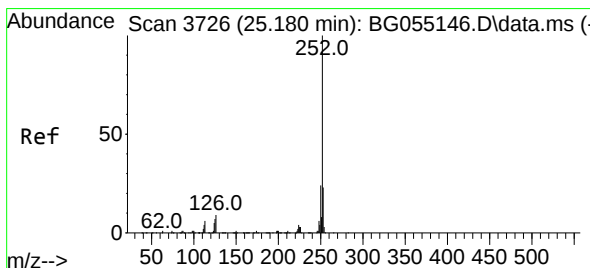
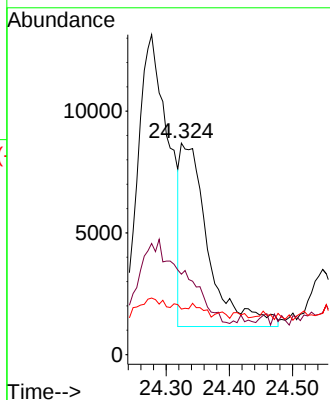
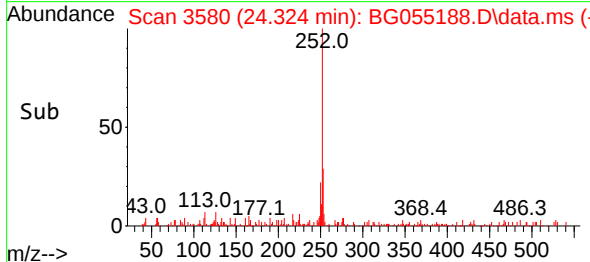
Instrument :
BNA_G
ClientSampleId :
WC-8



Tgt Ion:252 Resp: 22973
Ion Ratio Lower Upper
252 100
253 38.0 18.0 27.0#
125 21.5 5.8 8.6#

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 10/17/2022
Supervised By :mohammad ahmed 10/18/2022



#90
Benzo(a)pyrene
Concen: 4.109 ng
RT: 25.205 min Scan# 3730
Delta R.T. 0.026 min
Lab File: BG055188.D
Acq: 14 Oct 2022 21:51

Tgt Ion:252 Resp: 28569
Ion Ratio Lower Upper
252 100
253 33.0 18.2 27.2#
125 20.8 5.8 8.8#

