

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101422\
 Data File : BG055180.D
 Acq On : 14 Oct 2022 16:14
 Operator : CG/JU
 Sample : N5118-01DL 20X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-2-101222DL

Manual Integrations
 APPROVED

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

Quant Time: Oct 14 17:10:13 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	8.306	152	54377	20.000	ng	0.00
21) Naphthalene-d8	11.138	136	224577	20.000	ng	0.00
39) Acenaphthene-d10	14.916	164	139954	20.000	ng	0.00
64) Phenanthrene-d10	17.648	188	269478	20.000	ng	0.00
76) Chrysene-d12	21.937	240	249157	20.000	ng	0.01
86) Perylene-d12	25.368	264	253542	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.827	112	9983	3.592	ng	0.00
7) Phenol-d6	7.442	99	14133	3.438	ng	0.00
23) Nitrobenzene-d5	9.481	82	9031	2.156	ng	0.00
42) 2,4,6-Tribromophenol	16.391	330	6617	3.290	ng	0.00
45) 2-Fluorobiphenyl	13.541	172	24608	2.872	ng	0.00
79) Terphenyl-d14	20.221	244	33085	2.674	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.191	128	28793	2.438	ng	97
38) 1-Methylnaphthalene	12.983	142	18398	2.132	ng	91
52) Acenaphthene	14.980	154	37926	4.647	ng	96
55) Dibenzofuran	15.310	168	63359	4.975	ng	98
58) Fluorene	15.956	166	91210	8.723	ng	100
71) Phenanthrene	17.695	178	602109	43.076	ng	100
72) Anthracene	17.783	178	163654	11.981	ng	98
73) Carbazole	18.042	167	57926	4.554	ng	98
75) Fluoranthene	19.681	202	666392	38.139	ng	98
78) Pyrene	20.039	202	527309	31.747	ng	99
81) Benzo(a)anthracene	21.914	228	284324	17.835	ng	99
83) Chrysene	21.984	228	237116	15.768	ng	97
87) Indeno(1,2,3-cd)pyrene	29.311	276	89551	4.768	ng	# 91
88) Benzo(b)fluoranthene	24.270	252	283952	18.790	ng	98
89) Benzo(k)fluoranthene	24.340	252	130509m	8.596	ng	
90) Benzo(a)pyrene	25.204	252	207383	16.049	ng	97
92) Benzo(g,h,i)perylene	30.539	276	70007	4.598	ng	97

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

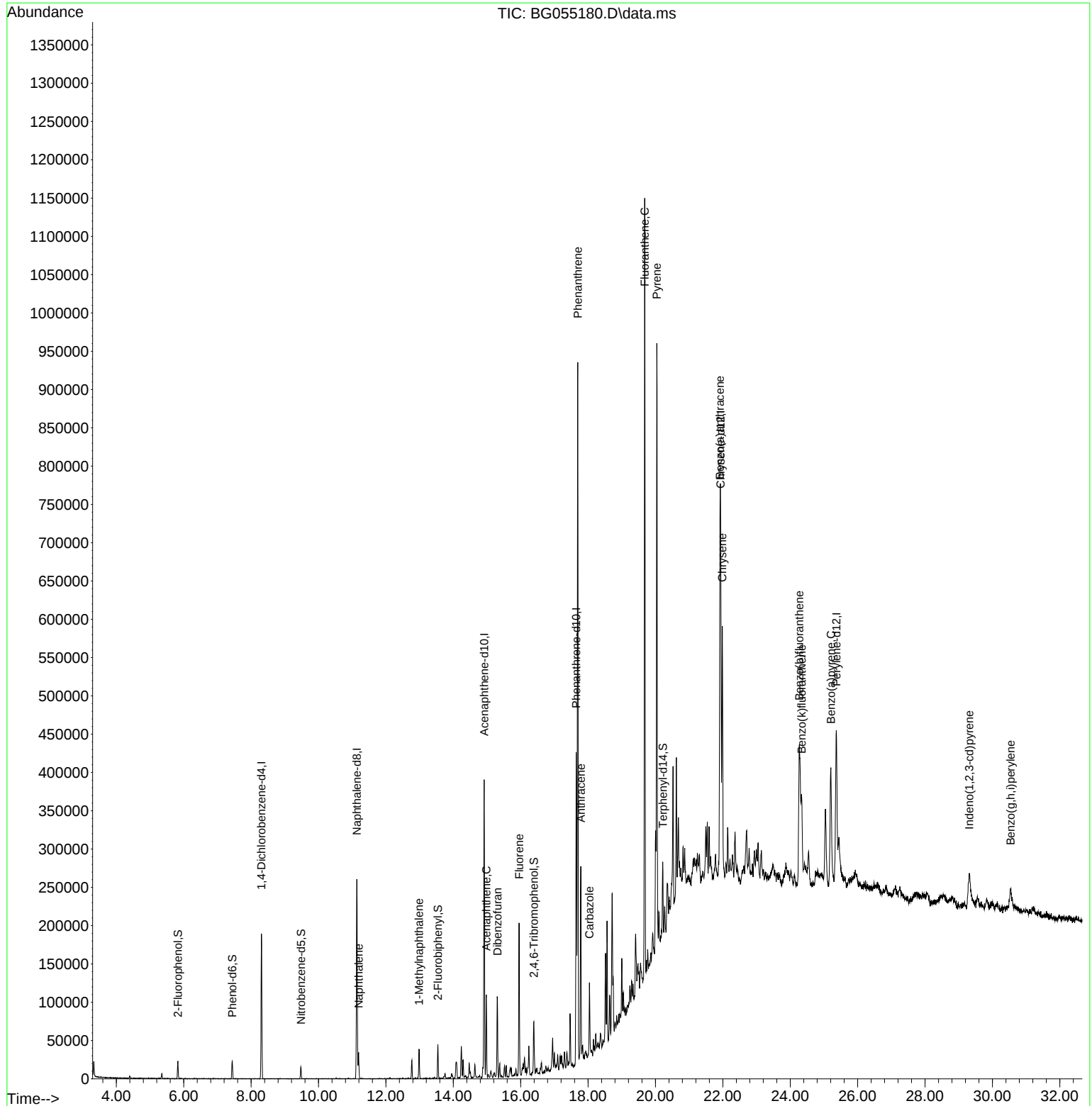
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101422\
Data File : BG055180.D
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ALS Vial : 8 Sample Multiplier: 1

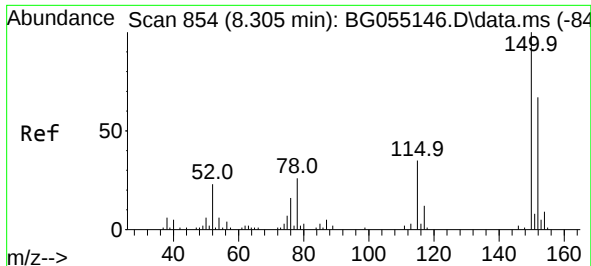
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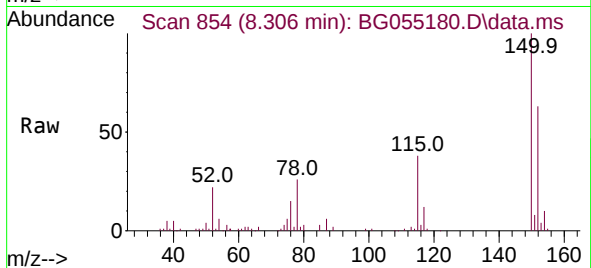
Quant Time: Oct 14 17:10:13 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG101322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 05:14:13 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.306 min Scan# 81
Delta R.T. 0.001 min
Lab File: BG055180.D
Acq: 14 Oct 2022 16:14

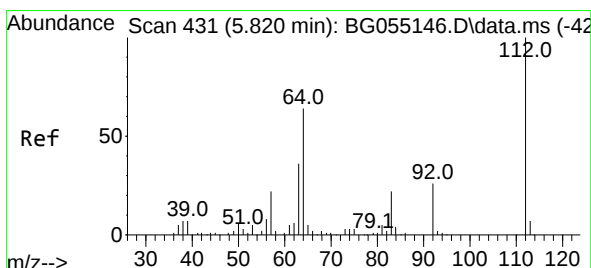
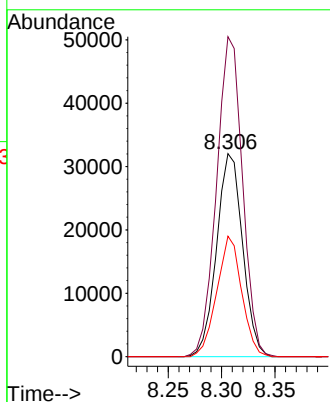
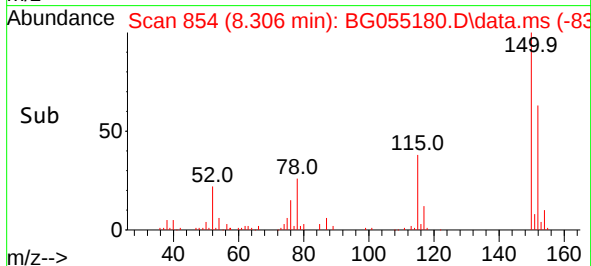
Instrument :
BNA_G
ClientSampleId :
SU-2-101222DL



Tgt Ion:152 Resp: 5437
Ion Ratio Lower Upper
152 100
150 157.6 119.7 179.5
115 59.3 42.4 63.6

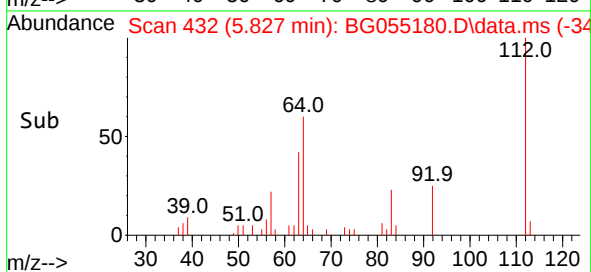
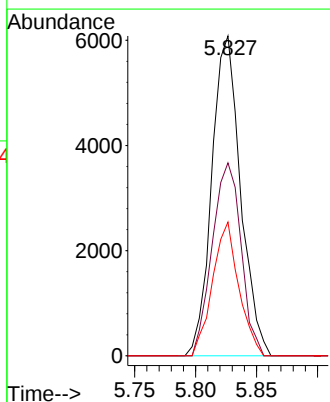
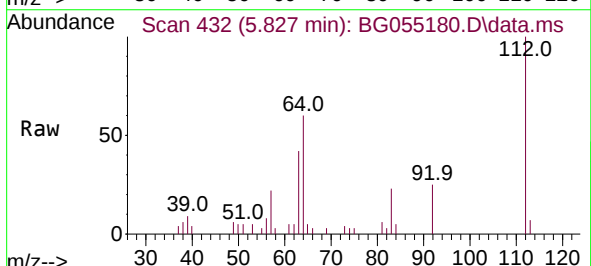
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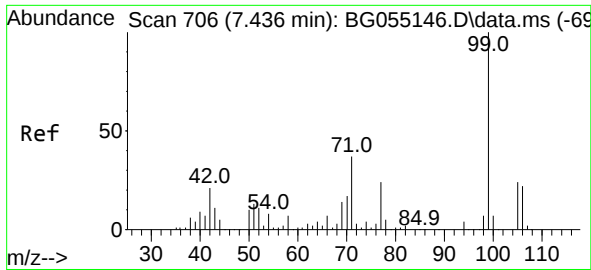
Reviewed By :Christian Giraldo 10/17/2022
Supervised By :mohammad ahmed 10/18/2022



#5
2-Fluorophenol
Concen: 3.592 ng
RT: 5.827 min Scan# 432
Delta R.T. 0.007 min
Lab File: BG055180.D
Acq: 14 Oct 2022 16:14

Tgt Ion:112 Resp: 9983
Ion Ratio Lower Upper
112 100
64 60.3 50.9 76.3
63 41.8 29.0 43.6





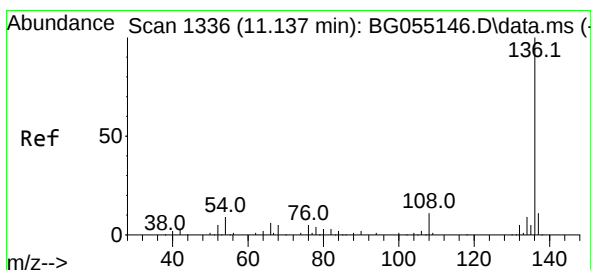
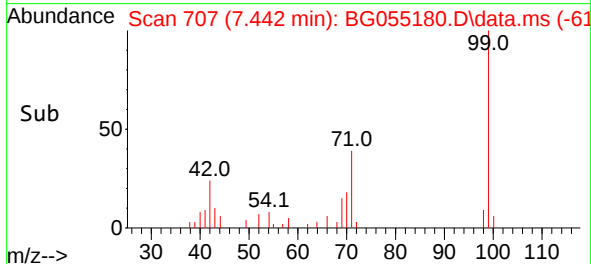
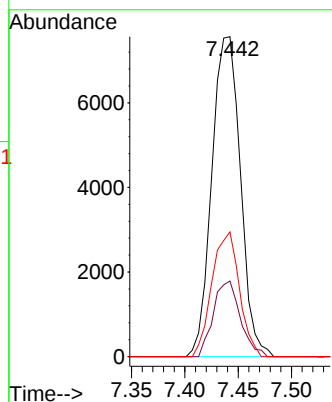
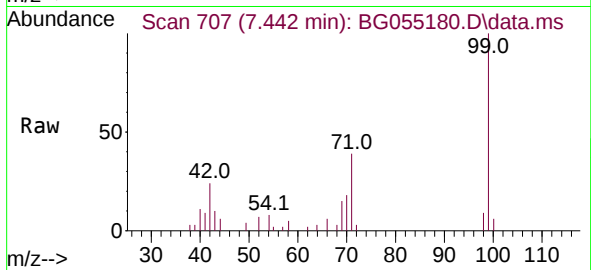
#7
Phenol-d6
Concen: 3.438 ng
RT: 7.442 min Scan# 706
Delta R.T. 0.007 min
Lab File: BG055180.D
Acq: 14 Oct 2022 16:14

Instrument :
BNA_G
ClientSampleId :
SU-2-101222DL

Tgt Ion: 99 Resp: 14133
Ion Ratio Lower Upper
99 100
42 23.6 16.6 25.0
71 39.0 29.6 44.4

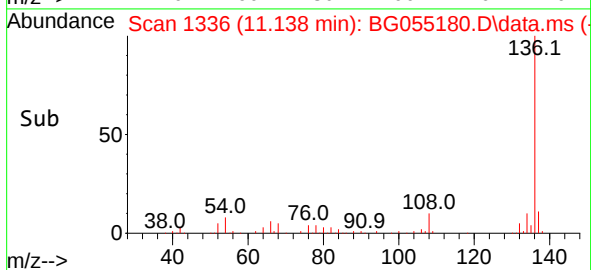
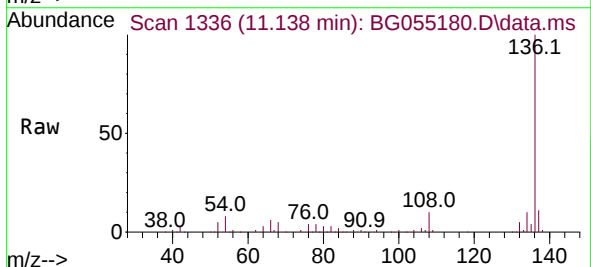
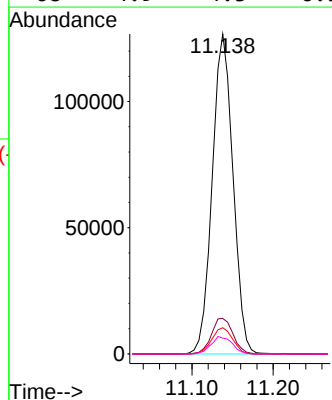
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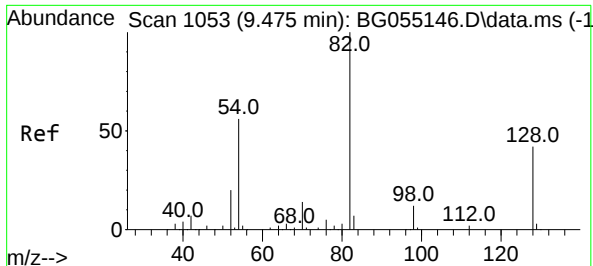
Reviewed By :Christian Giraldo 10/17/2022
Supervised By :mohammad ahmed 10/18/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.138 min Scan# 1336
Delta R.T. 0.001 min
Lab File: BG055180.D
Acq: 14 Oct 2022 16:14

Tgt Ion:136 Resp: 224577
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 8.2 7.0 10.6
68 4.9 4.3 6.5





#23

Nitrobenzene-d5

Concen: 2.156 ng

RT: 9.481 min Scan# 1053

Delta R.T. 0.007 min

Lab File: BG055180.D

Acq: 14 Oct 2022 16:14

Instrument :

BNA_G

ClientSampleId :

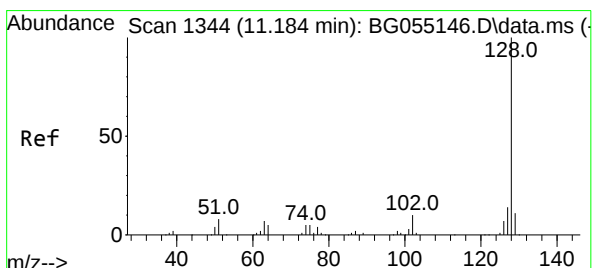
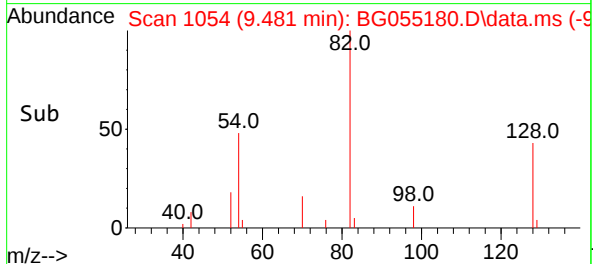
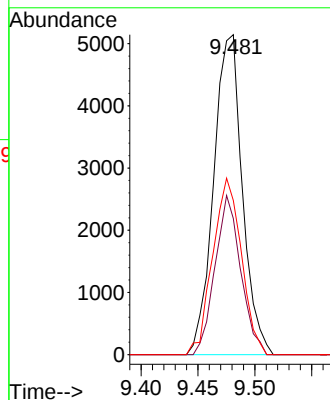
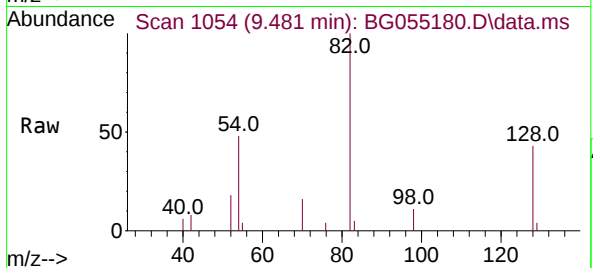
SU-2-101222DL

Tgt Ion: 82	Resp: 9031
Ion Ratio	Lower Upper
82	100
128	42.5 33.5 50.3
54	48.2 44.7 67.1

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Supervised By :mohammad ahmed 10/18/2022



#31

Naphthalene

Concen: 2.438 ng

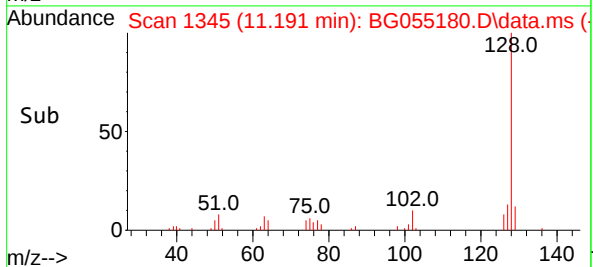
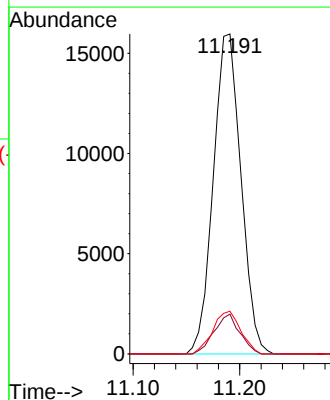
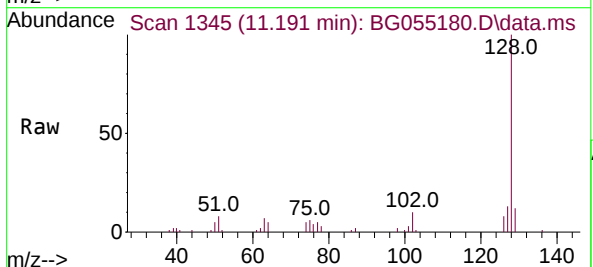
RT: 11.191 min Scan# 1345

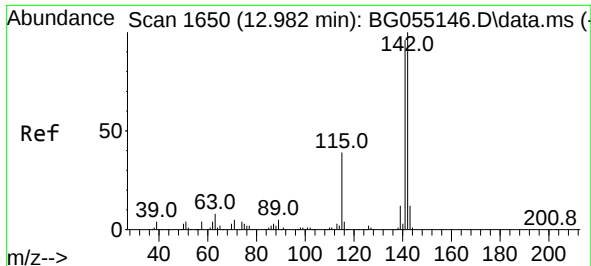
Delta R.T. 0.007 min

Lab File: BG055180.D

Acq: 14 Oct 2022 16:14

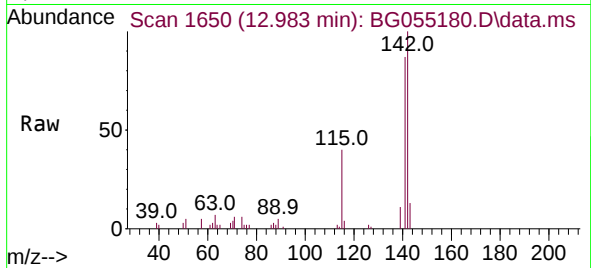
Tgt Ion:128	Resp: 28793
Ion Ratio	Lower Upper
128	100
129	12.4 8.6 13.0
127	13.3 11.1 16.7





#38
1-Methylnaphthalene
Concen: 2.132 ng
RT: 12.983 min Scan# 1650
Delta R.T. 0.001 min
Lab File: BG055180.D
Acq: 14 Oct 2022 16:14

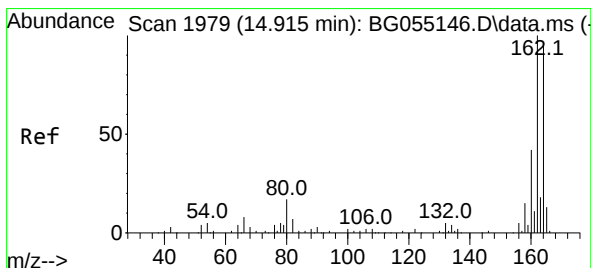
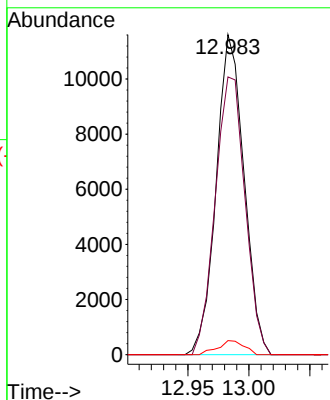
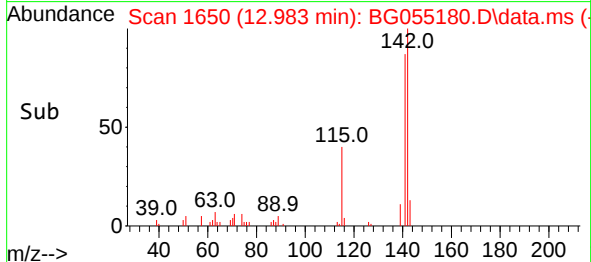
Instrument :
BNA_G
ClientSampleId :
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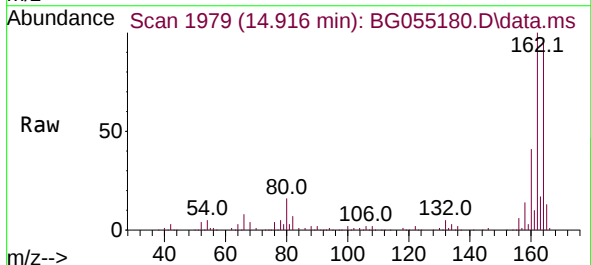
Tgt Ion:142 Resp: 18398
Ion Ratio Lower Upper
142 100
141 86.8 76.9 115.3
116 4.4 3.2 4.8

Manual Integrations
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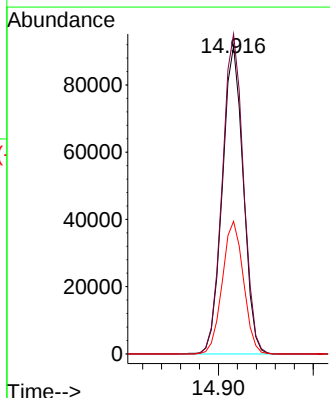
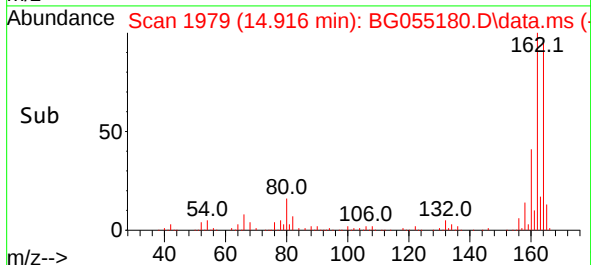
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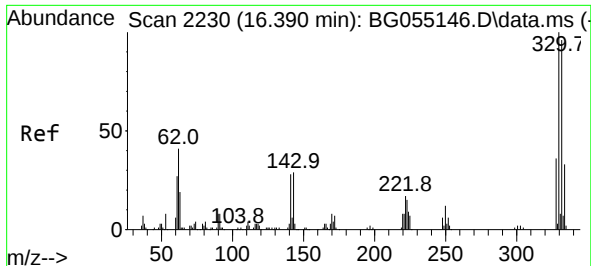


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.916 min Scan# 1979
Delta R.T. 0.001 min
Lab File: BG055180.D
Acq: 14 Oct 2022 16:14



Tgt Ion:164 Resp: 139954
Ion Ratio Lower Upper
164 100
162 103.9 83.3 124.9
160 43.0 35.3 52.9





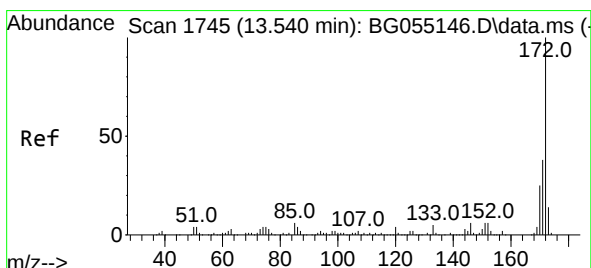
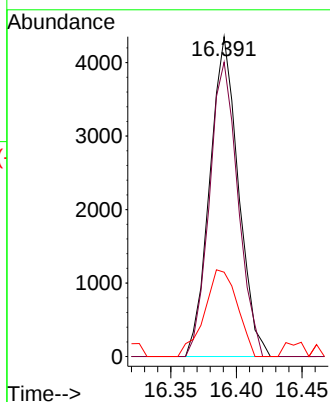
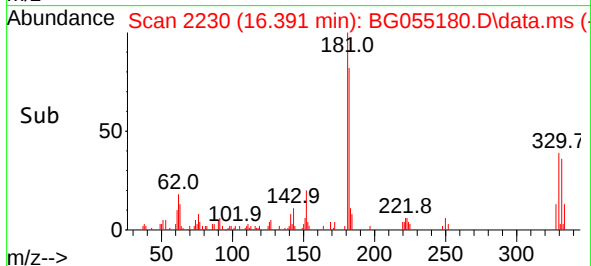
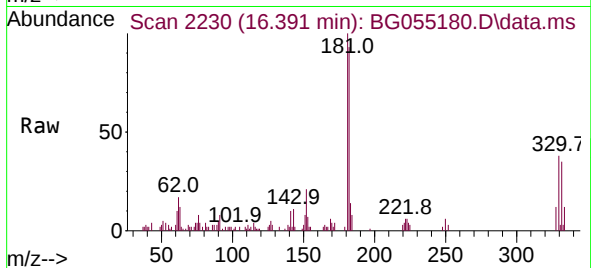
#42
2,4,6-Tribromophenol
Concen: 3.290 ng
RT: 16.391 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG055180.D
Acq: 14 Oct 2022 16:14

Instrument :
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Tgt Ion:330 Resp: 661
Ion Ratio Lower Upper
330 100
332 91.5 77.0 115.4
141 31.1 24.6 36.8

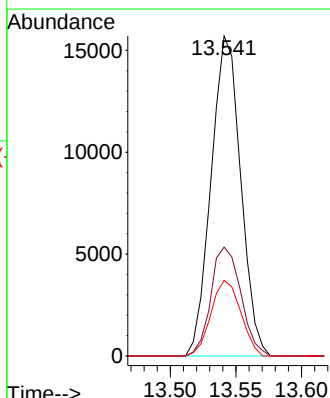
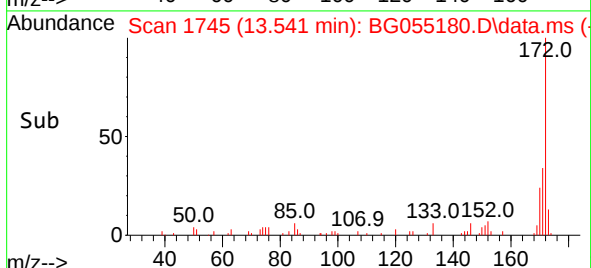
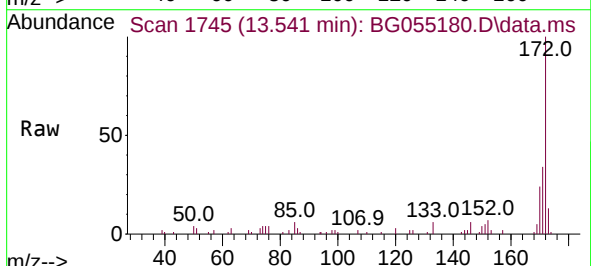
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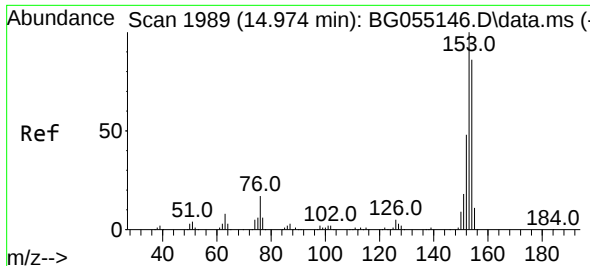
Reviewed By :Christian Giraldo 10/17/2022
Supervised By :mohammad ahmed 10/18/2022



#45
2-Fluorobiphenyl
Concen: 2.872 ng
RT: 13.541 min Scan# 1745
Delta R.T. 0.001 min
Lab File: BG055180.D
Acq: 14 Oct 2022 16:14

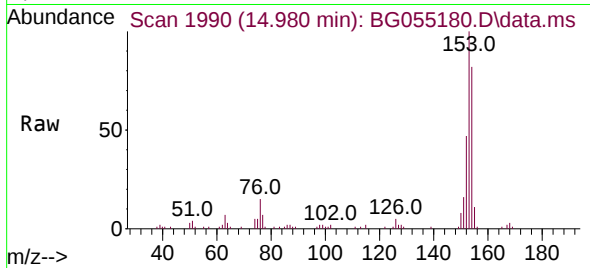
Tgt Ion:172 Resp: 24608
Ion Ratio Lower Upper
172 100
171 34.0 30.1 45.1
170 23.6 19.8 29.6





#52
Acenaphthene
Concen: 4.647 ng
RT: 14.980 min Scan# 1989
Delta R.T. 0.007 min
Lab File: BG055180.D
Acq: 14 Oct 2022 16:14

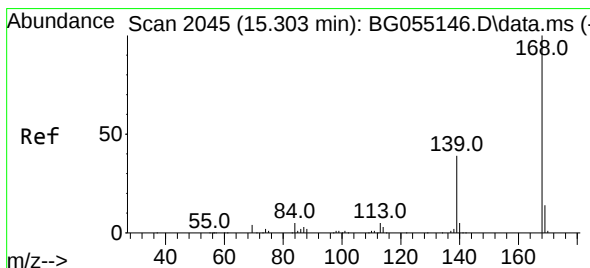
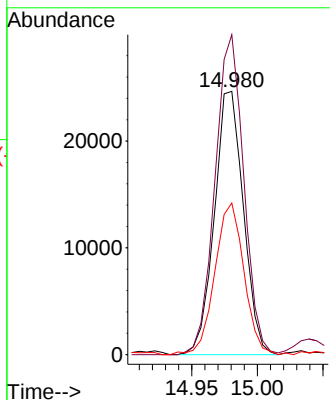
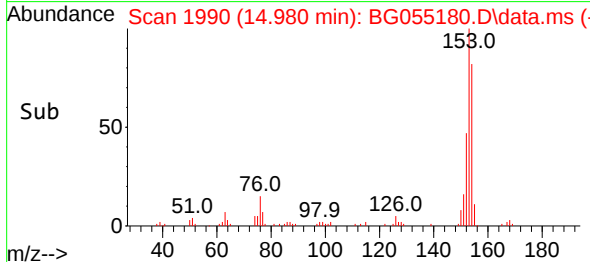
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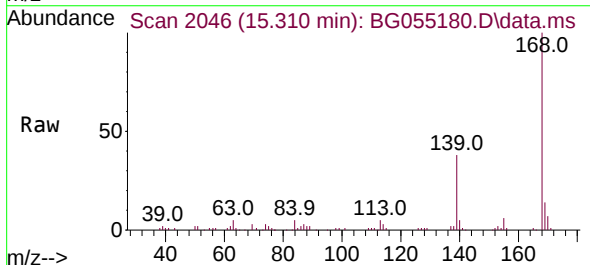
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Ion Ratio Lower Upper
154 100
153 121.6 93.0 139.4
152 57.6 44.6 66.8

Manual Integrations
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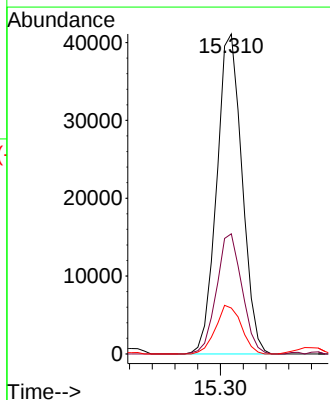
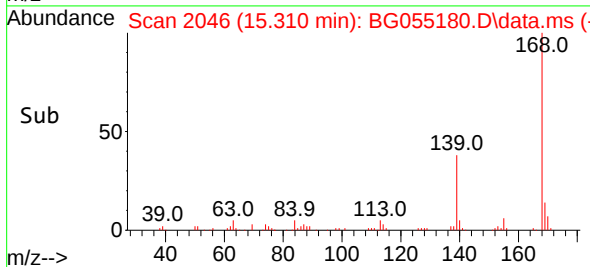
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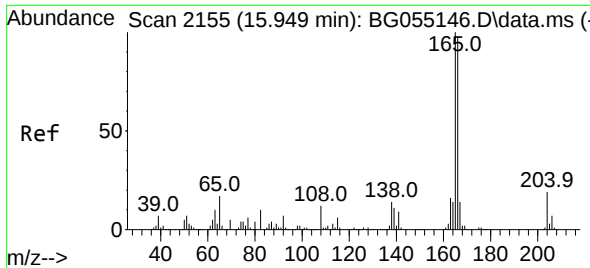


#55
Dibenzofuran
Concen: 4.975 ng
RT: 15.310 min Scan# 2046
Delta R.T. 0.007 min
Lab File: BG055180.D
Acq: 14 Oct 2022 16:14



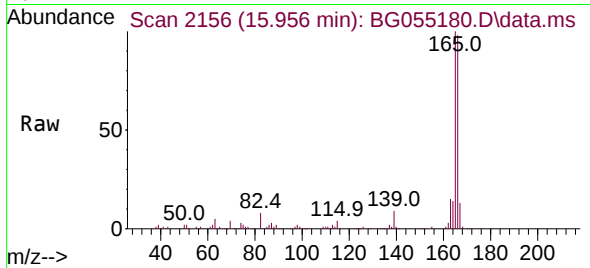
Tgt Ion:168 Resp: 63359
Ion Ratio Lower Upper
168 100
139 37.5 30.9 46.3
169 14.3 11.0 16.6





#58
Fluorene
Concen: 8.723 ng
RT: 15.956 min Scan# 2155
Delta R.T. 0.007 min
Lab File: BG055180.D
Acq: 14 Oct 2022 16:14

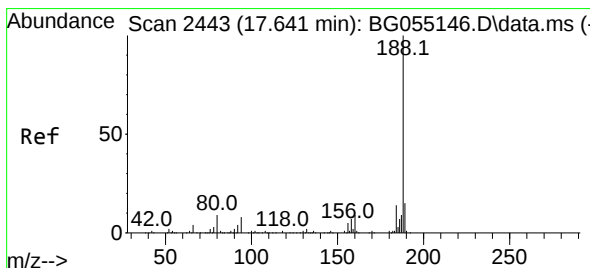
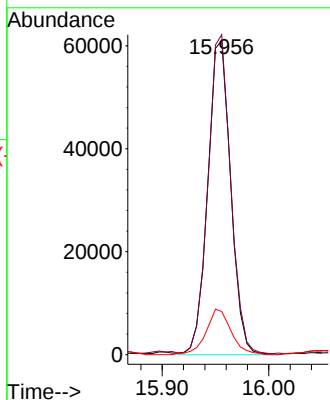
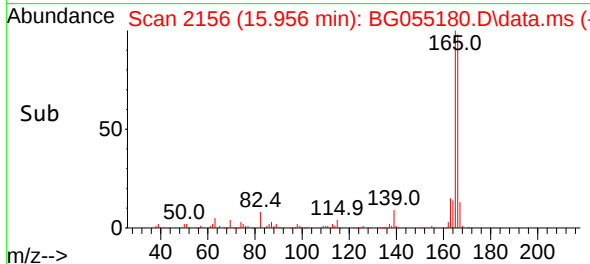
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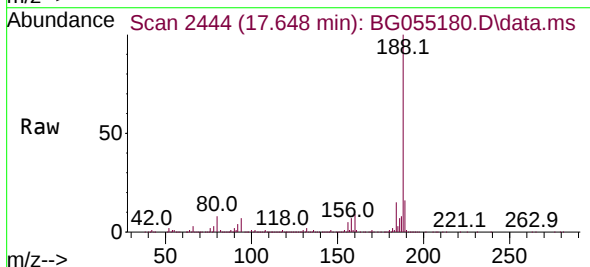
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Ion Ratio Lower Upper
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165 101.9 81.6 122.4
167 13.7 11.2 16.8

Manual Integrations
APPROVED

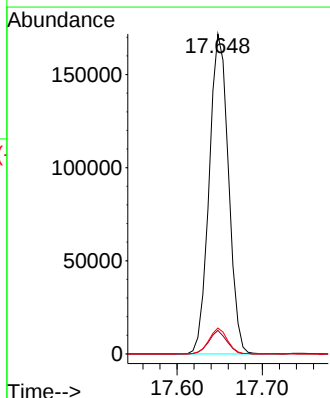
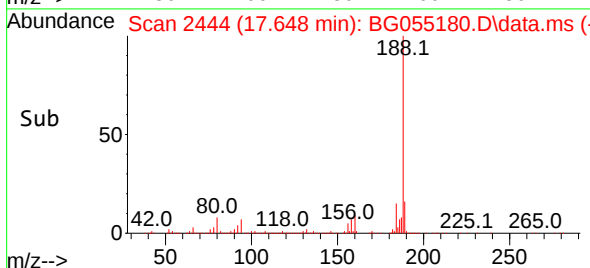
Reviewed By :Christian Giraldo 10/17/2022
Supervised By :mohammad ahmed 10/18/2022

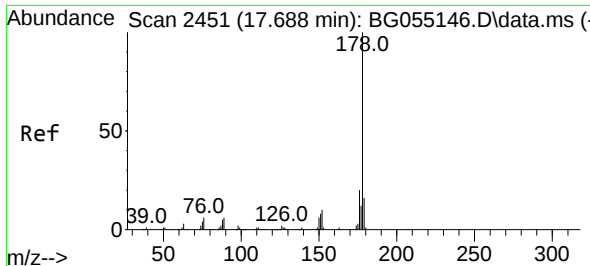


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.648 min Scan# 2444
Delta R.T. 0.007 min
Lab File: BG055180.D
Acq: 14 Oct 2022 16:14



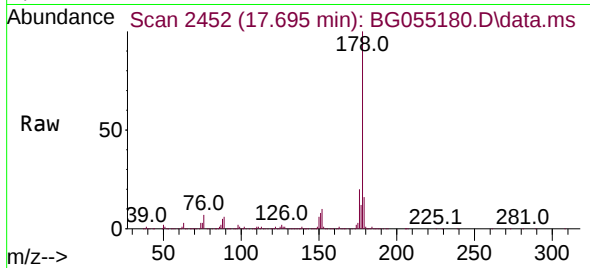
Tgt Ion:188 Resp: 269478
Ion Ratio Lower Upper
188 100
94 7.3 6.2 9.2
80 8.1 7.0 10.6





#71
Phenanthrene
Concen: 43.076 ng
RT: 17.695 min Scan# 2451
Delta R.T. 0.007 min
Lab File: BG055180.D
Acq: 14 Oct 2022 16:14

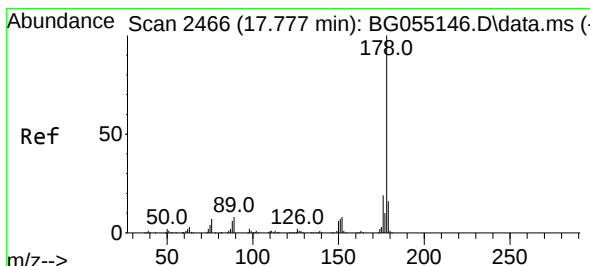
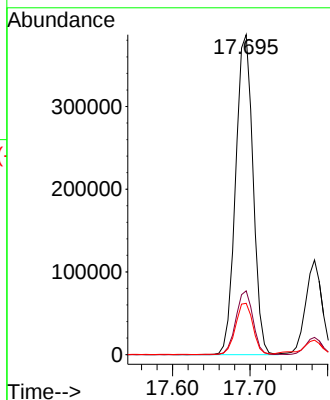
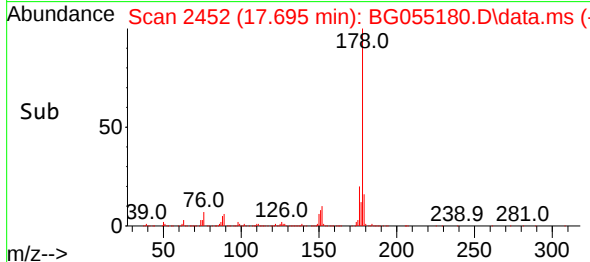
Instrument :
BNA_G
ClientSampleId :
SU-2-101222DL



Tgt Ion:178 Resp: 602109
Ion Ratio Lower Upper
178 100
176 19.9 16.0 24.0
179 16.0 12.7 19.1

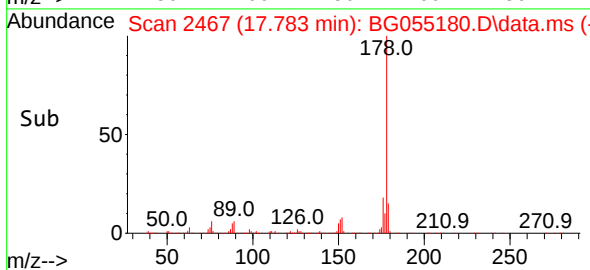
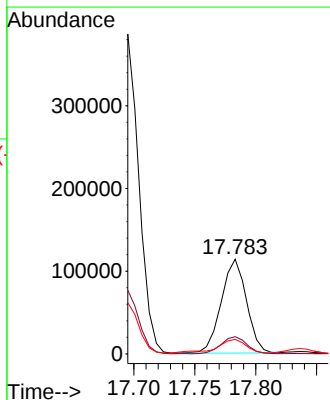
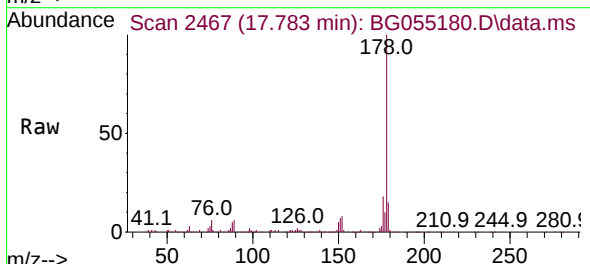
Manual Integrations
APPROVED

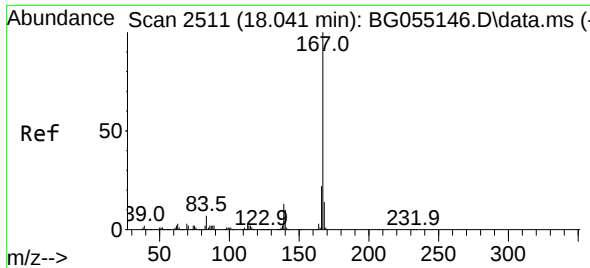
Reviewed By :Christian Giraldo 10/17/2022
Supervised By :mohammad ahmed 10/18/2022



#72
Anthracene
Concen: 11.981 ng
RT: 17.783 min Scan# 2467
Delta R.T. 0.007 min
Lab File: BG055180.D
Acq: 14 Oct 2022 16:14

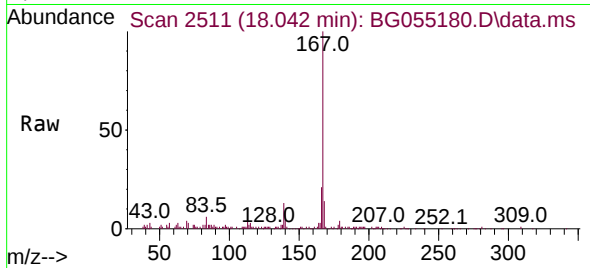
Tgt Ion:178 Resp: 163654
Ion Ratio Lower Upper
178 100
176 18.2 15.1 22.7
179 15.3 13.0 19.4





#73
 Carbazole
 Concen: 4.554 ng
 RT: 18.042 min Scan# 2511
 Delta R.T. 0.001 min
 Lab File: BG055180.D
 Acq: 14 Oct 2022 16:14

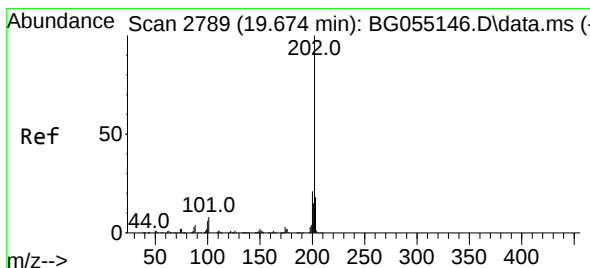
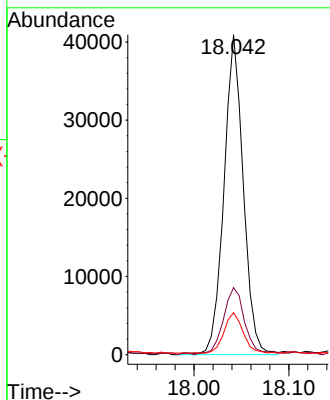
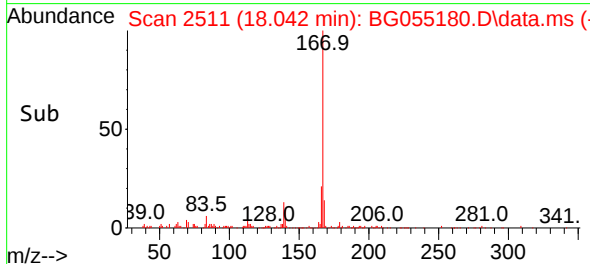
Instrument :
 BNA_G
 ClientSampleId :
 SU-2-101222DL



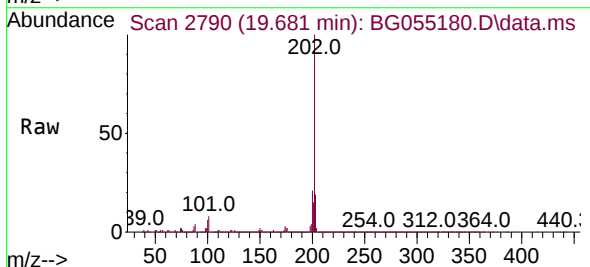
Tgt Ion:167 Resp: 57926
 Ion Ratio Lower Upper
 167 100
 166 20.9 17.9 26.9
 139 13.1 10.2 15.2

Manual Integrations
 APPROVED

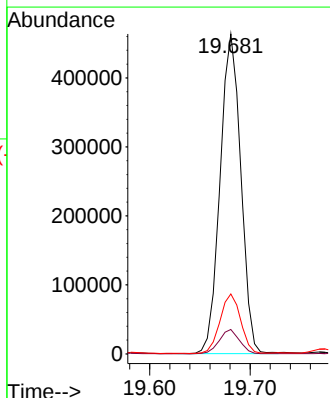
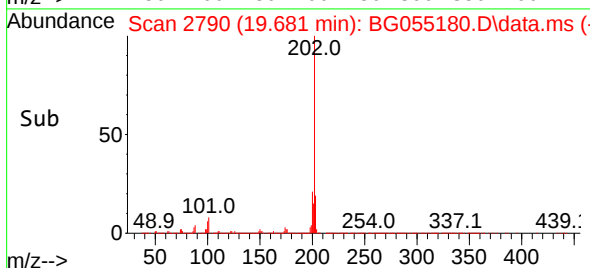
Reviewed By :Christian Giraldo 10/17/2022
 Supervised By :mohammad ahmed 10/18/2022

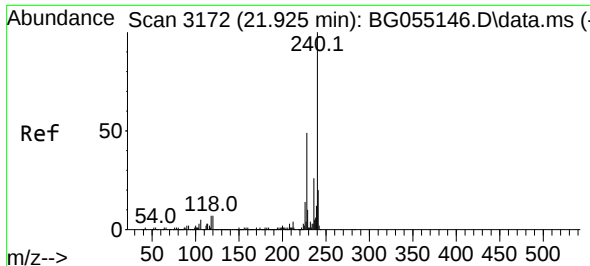


#75
 Fluoranthene
 Concen: 38.139 ng
 RT: 19.681 min Scan# 2790
 Delta R.T. 0.007 min
 Lab File: BG055180.D
 Acq: 14 Oct 2022 16:14



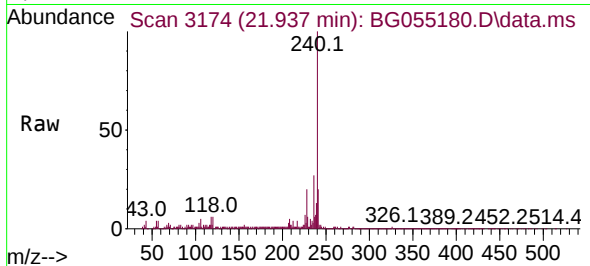
Tgt Ion:202 Resp: 666392
 Ion Ratio Lower Upper
 202 100
 101 7.6 0.0 28.4
 203 18.7 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.937 min Scan# 3172
Delta R.T. 0.012 min
Lab File: BG055180.D
Acq: 14 Oct 2022 16:14

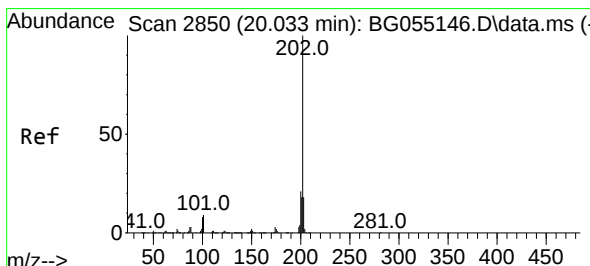
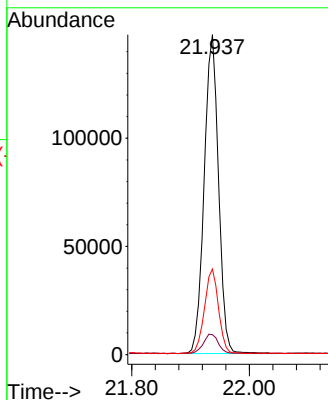
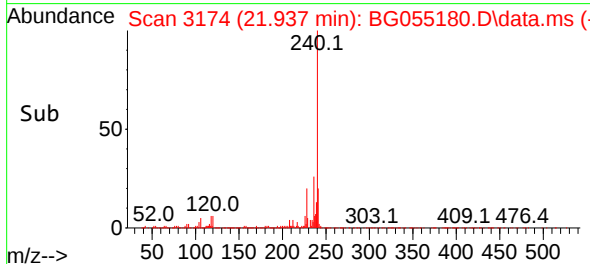
Instrument :
BNA_G
ClientSampleId :
SU-2-101222DL



Tgt Ion:240 Resp: 249152
Ion Ratio Lower Upper
240 100
120 6.3 5.4 8.0
236 26.7 20.6 31.0

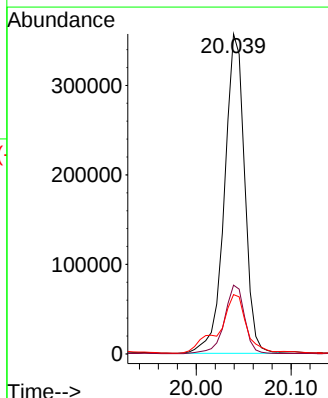
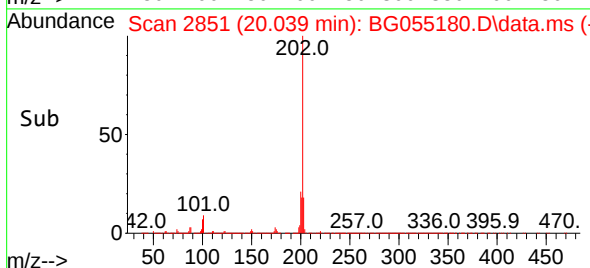
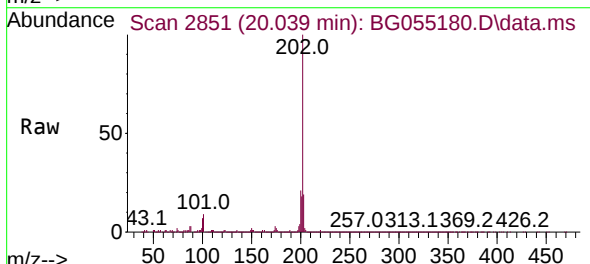
Manual Integrations
APPROVED

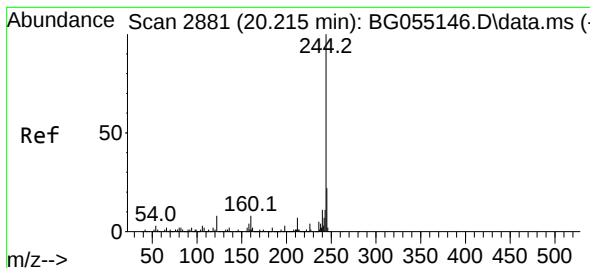
Reviewed By :Christian Giraldo 10/17/2022
Supervised By :mohammad ahmed 10/18/2022



#78
Pyrene
Concen: 31.747 ng
RT: 20.039 min Scan# 2851
Delta R.T. 0.007 min
Lab File: BG055180.D
Acq: 14 Oct 2022 16:14

Tgt Ion:202 Resp: 527309
Ion Ratio Lower Upper
202 100
200 21.5 16.9 25.3
203 18.5 14.4 21.6





#79

Terphenyl-d14

Concen: 2.674 ng

RT: 20.221 min Scan# 2881

Delta R.T. 0.007 min

Lab File: BG055180.D

Acq: 14 Oct 2022 16:14

Instrument :

BNA_G

ClientSampleId :

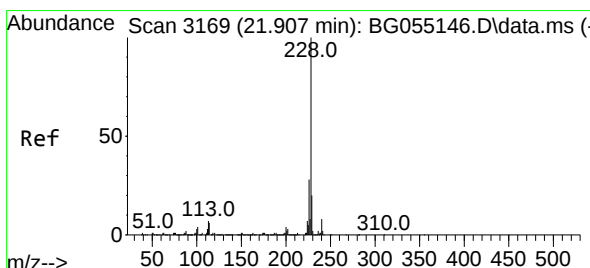
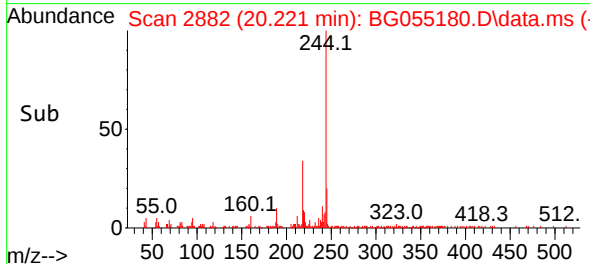
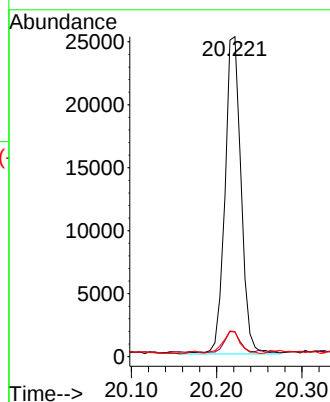
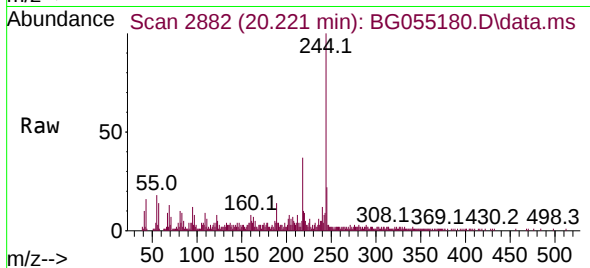
SU-2-101222DL

Tgt Ion:244 Resp: 33085
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.9 8.9
 122 7.8 6.6 10.0

Manual Integrations

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



#81

Benzo(a)anthracene

Concen: 17.835 ng

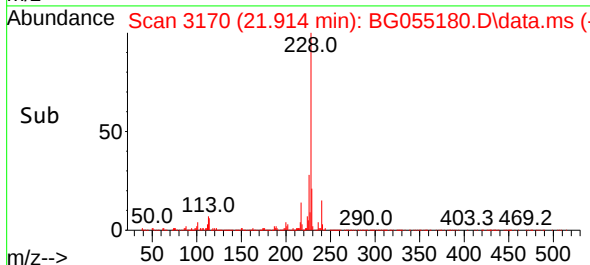
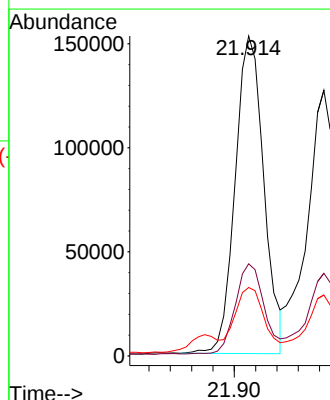
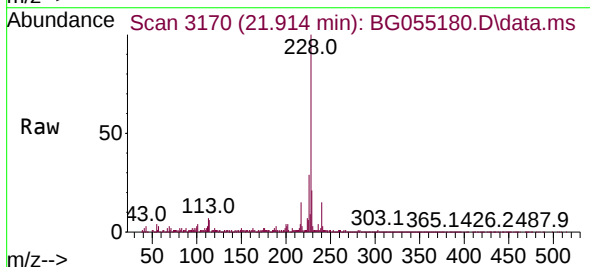
RT: 21.914 min Scan# 3170

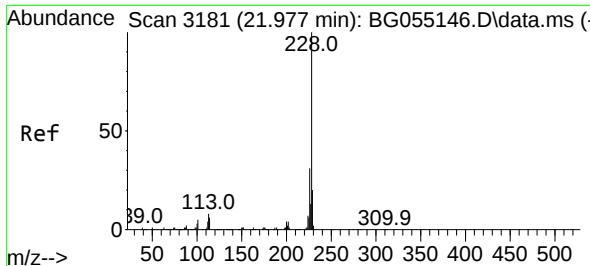
Delta R.T. 0.007 min

Lab File: BG055180.D

Acq: 14 Oct 2022 16:14

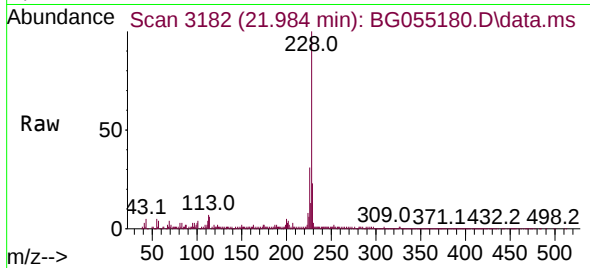
Tgt Ion:228 Resp: 284324
 Ion Ratio Lower Upper
 228 100
 226 28.8 22.6 34.0
 229 21.4 16.2 24.4





#83
Chrysene
Concen: 15.768 ng
RT: 21.984 min Scan# 3181
Delta R.T. 0.007 min
Lab File: BG055180.D
Acq: 14 Oct 2022 16:14

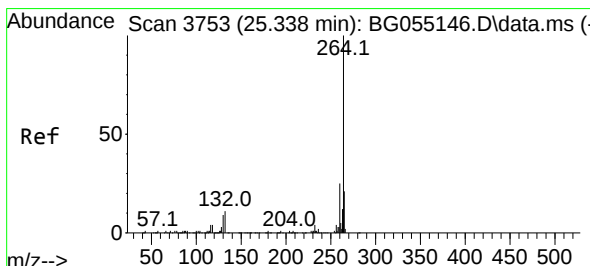
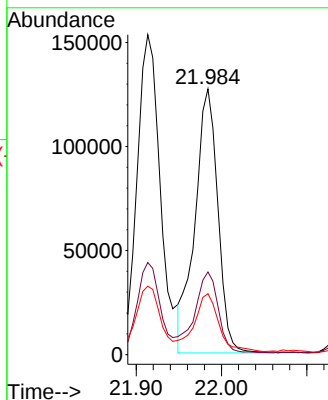
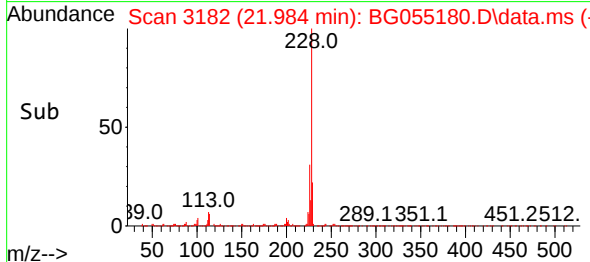
Instrument :
BNA_G
ClientSampleId :
SU-2-101222DL



Tgt Ion:228 Resp: 237116
Ion Ratio Lower Upper
228 100
226 31.1 25.1 37.7
229 22.9 16.2 24.2

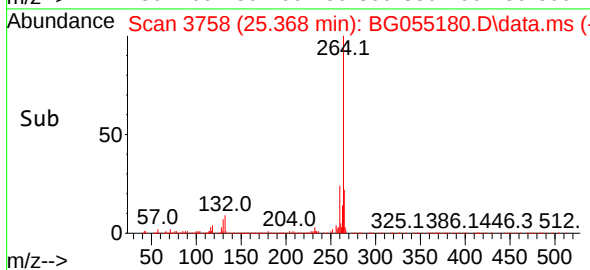
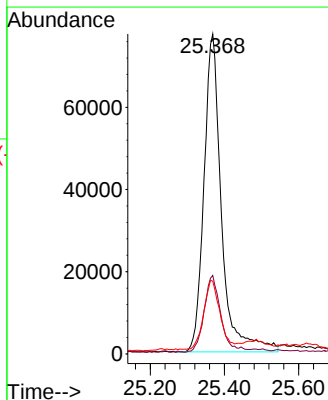
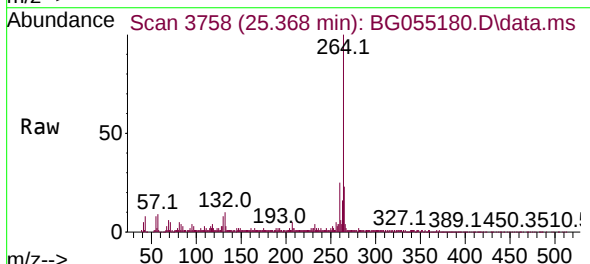
Manual Integrations
APPROVED

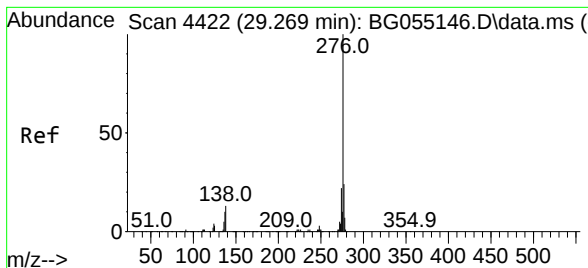
Reviewed By :Christian Giraldo 10/17/2022
Supervised By :mohammad ahmed 10/18/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.368 min Scan# 3758
Delta R.T. 0.030 min
Lab File: BG055180.D
Acq: 14 Oct 2022 16:14

Tgt Ion:264 Resp: 253542
Ion Ratio Lower Upper
264 100
260 24.5 20.1 30.1
265 22.7 16.8 25.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.768 ng

RT: 29.311 min Scan# 4422

Delta R.T. 0.042 min

Lab File: BG055180.D

Acq: 14 Oct 2022 16:14

Instrument :

BNA_G

ClientSampleId :

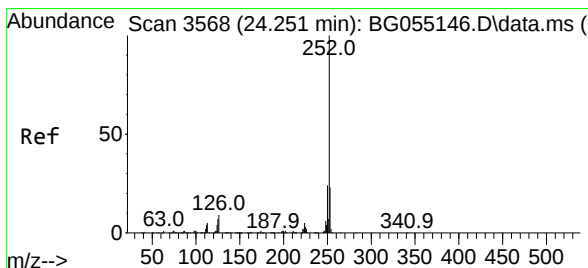
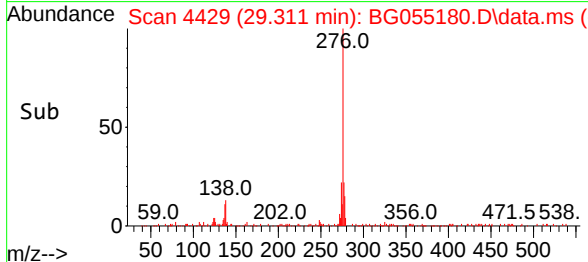
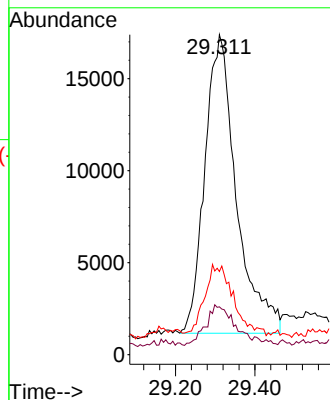
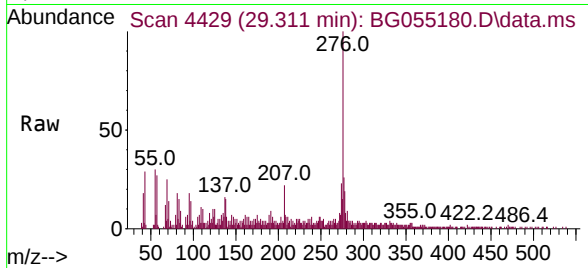
SU-2-101222DL

Tgt Ion:	276	Resp:	8955
Ion Ratio	Lower	Upper	
276	100		
138	12.1	13.4	20.0
277	21.3	20.5	30.7

Manual Integrations

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



#88

Benzo(b)fluoranthene

Concen: 18.790 ng

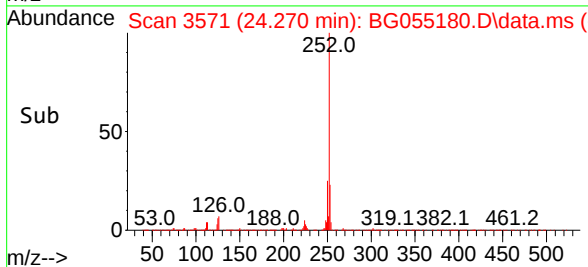
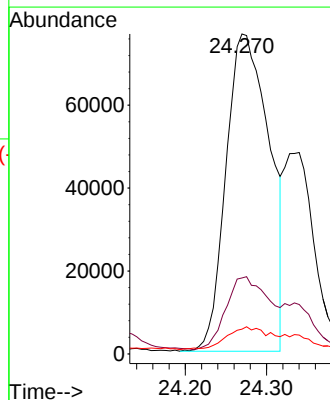
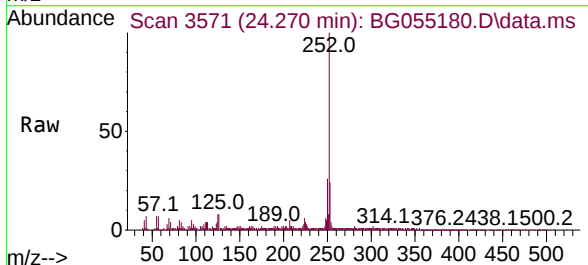
RT: 24.270 min Scan# 3571

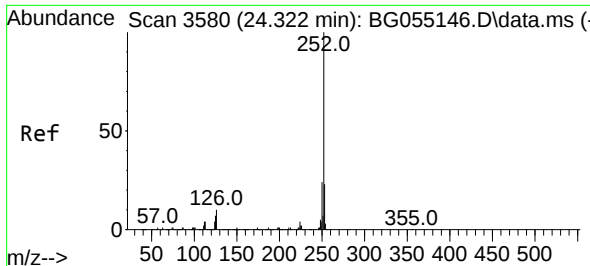
Delta R.T. 0.018 min

Lab File: BG055180.D

Acq: 14 Oct 2022 16:14

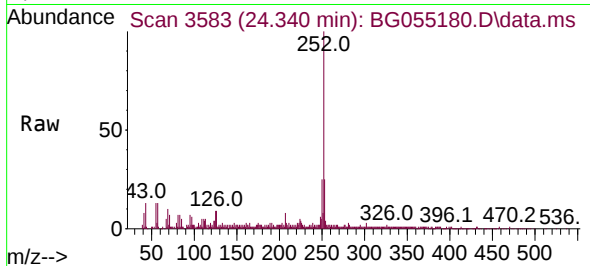
Tgt Ion:	252	Resp:	283952
Ion Ratio	Lower	Upper	
252	100		
253	23.7	18.2	27.2
125	7.7	5.7	8.5





#89
Benzo(k)fluoranthene
Concen: 8.596 ng m
RT: 24.340 min Scan# 3580
Delta R.T. 0.018 min
Lab File: BG055180.D
Acq: 14 Oct 2022 16:14

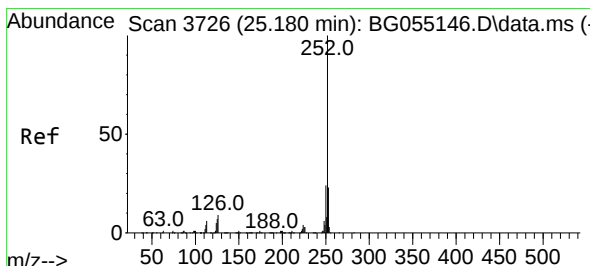
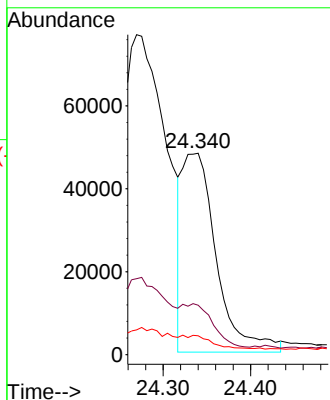
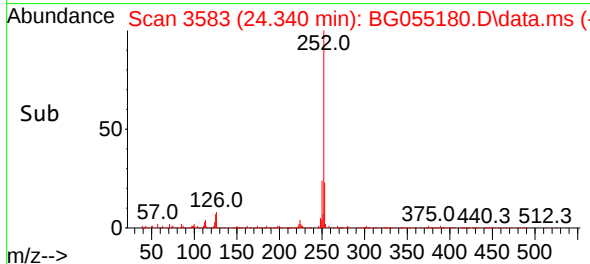
Instrument :
BNA_G
ClientSampleId :
SU-2-101222DL



Tgt Ion:252 Resp: 130509
Ion Ratio Lower Upper
252 100
253 24.5 18.0 27.0
125 9.3 5.8 8.6

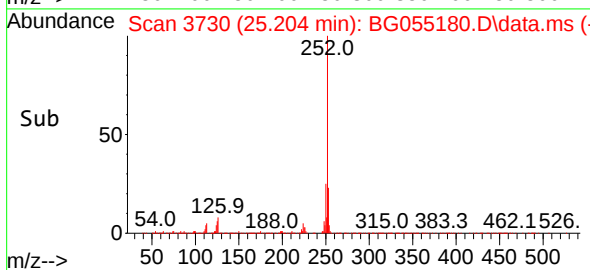
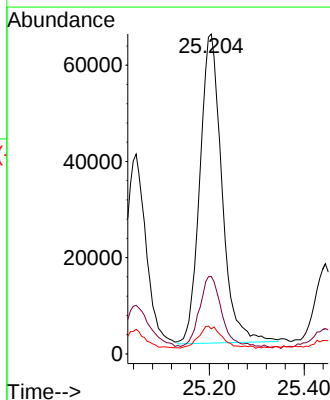
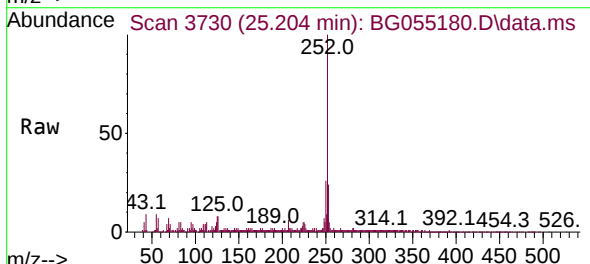
Manual Integrations
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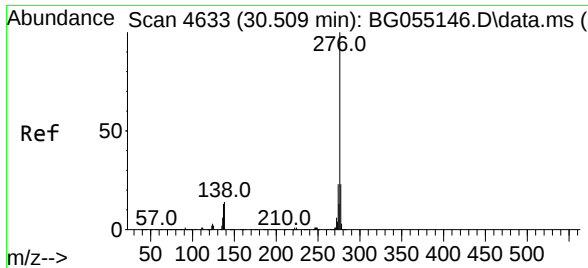
Reviewed By :Christian Giraldo 10/17/2022
Supervised By :mohammad ahmed 10/18/2022



#90
Benzo(a)pyrene
Concen: 16.049 ng
RT: 25.204 min Scan# 3730
Delta R.T. 0.024 min
Lab File: BG055180.D
Acq: 14 Oct 2022 16:14

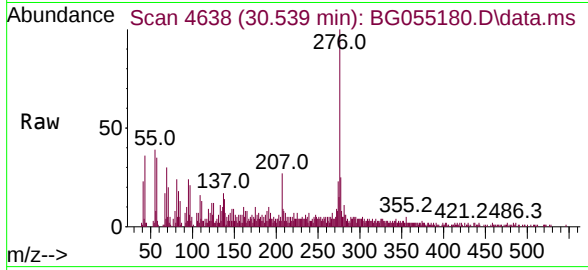
Tgt Ion:252 Resp: 207383
Ion Ratio Lower Upper
252 100
253 24.2 18.2 27.2
125 7.8 5.8 8.8





#92
 Benzo(g,h,i)perylene
 Concen: 4.598 ng
 RT: 30.539 min Scan# 4633
 Delta R.T. 0.030 min
 Lab File: BG055180.D
 Acq: 14 Oct 2022 16:14

Instrument :
 BNA_G
 ClientSampleId :
 SU-2-101222DL



Tgt Ion:	276	Resp:	7000
Ion Ratio	Lower	Upper	
276	100		
277	25.3	18.4	27.6
138	13.6	11.2	16.8

Manual Integrations
 APPROVED

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

