

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101422\
 Data File : BG055177.D
 Acq On : 14 Oct 2022 14:11
 Operator : CG/JU
 Sample : N5101-01RE 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OK-2-101122RE

Manual Integrations
 APPROVED

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

Quant Time: Oct 14 16:18:06 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	8.301	152	44972	20.000	ng	0.00
21) Naphthalene-d8	11.133	136	188123	20.000	ng	0.00
39) Acenaphthene-d10	14.911	164	120317	20.000	ng	0.00
64) Phenanthrene-d10	17.643	188	245274	20.000	ng	0.00
76) Chrysene-d12	21.932	240	224540	20.000	ng	0.00
86) Perylene-d12	25.363	264	250048	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.821	112	95425	41.514	ng	0.00
7) Phenol-d6	7.431	99	128924	37.916	ng	0.00
23) Nitrobenzene-d5	9.470	82	83515	23.806	ng	0.00
42) 2,4,6-Tribromophenol	16.385	330	60784	35.159	ng	0.00
45) 2-Fluorobiphenyl	13.542	172	205507	27.902	ng	0.00
79) Terphenyl-d14	20.216	244	297322	26.668	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.640	152	29984	2.764	ng	94
71) Phenanthrene	17.690	178	156165	12.275	ng	99
72) Anthracene	17.778	178	27921	2.246	ng	99
75) Fluoranthene	19.676	202	256382	16.121	ng	99
78) Pyrene	20.034	202	367621	24.560	ng	99
81) Benzo(a)anthracene	21.908	228	174511	12.147	ng	95
83) Chrysene	21.979	228	194555	14.356	ng	97
87) Indeno(1,2,3-cd)pyrene	29.300	276	118444	6.395	ng	# 95
88) Benzo(b)fluoranthene	24.264	252	211675	14.203	ng	96
89) Benzo(k)fluoranthene	24.329	252	74109m	4.949	ng	
90) Benzo(a)pyrene	25.199	252	199815	15.679	ng	98
92) Benzo(g,h,i)perylene	30.539	276	135939	9.054	ng	99

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

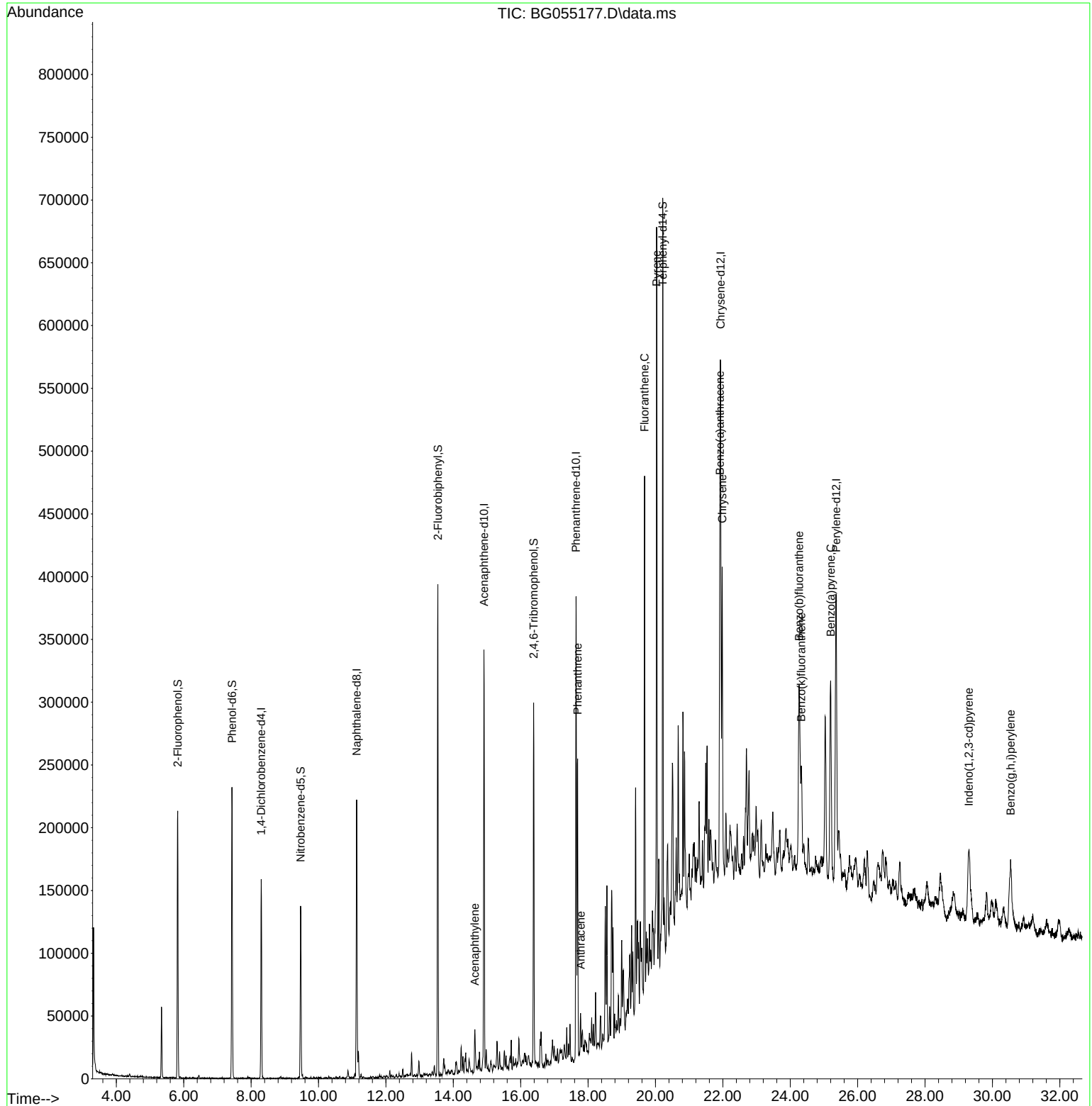
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101422\
Data File : BG055177.D
Acq On : 14 Oct 2022 14:11
Operator : CG/JU
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Misc :
ALS Vial : 5 Sample Multiplier: 1

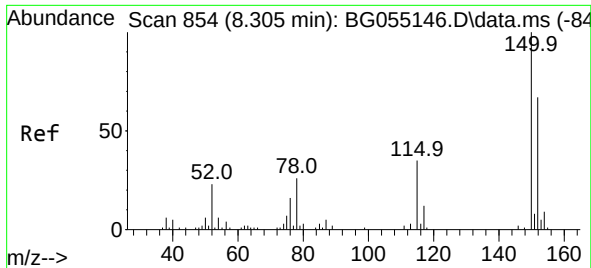
Instrument :
BNA_G
ClientSampleId :
OK-2-101122RE

Quant Time: Oct 14 16:18:06 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG101322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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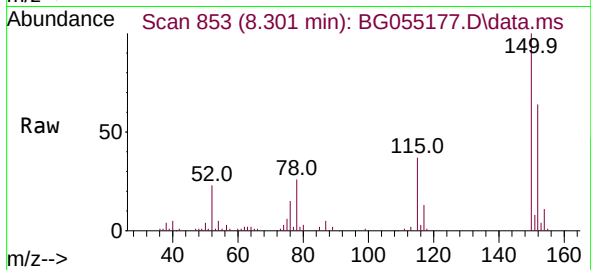
Reviewed By : Christian Giraldo 10/17/2022
Supervised By : mohammad ahmed 10/18/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.301 min Scan# 854
Delta R.T. -0.004 min
Lab File: BG055177.D
Acq: 14 Oct 2022 14:11

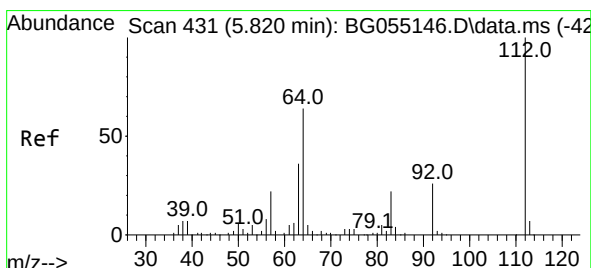
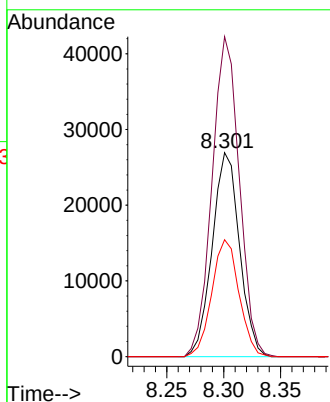
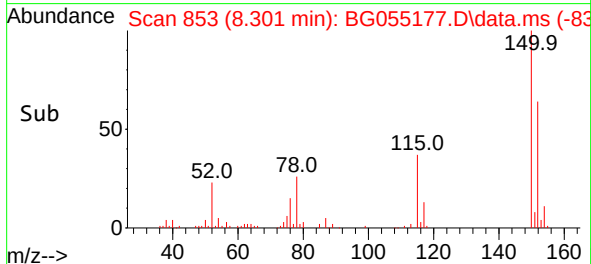
Instrument :
BNA_G
ClientSampleId :
OK-2-101122RE



Tgt Ion:152 Resp: 44972
Ion Ratio Lower Upper
152 100
150 157.0 119.7 179.5
115 57.4 42.4 63.6

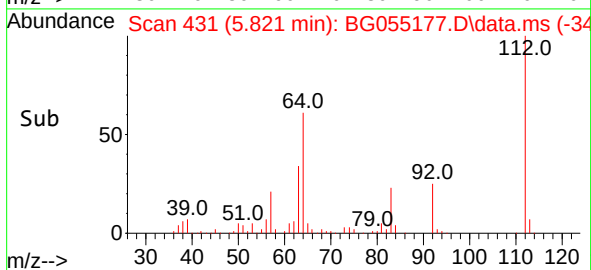
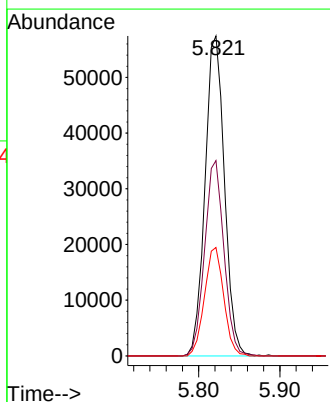
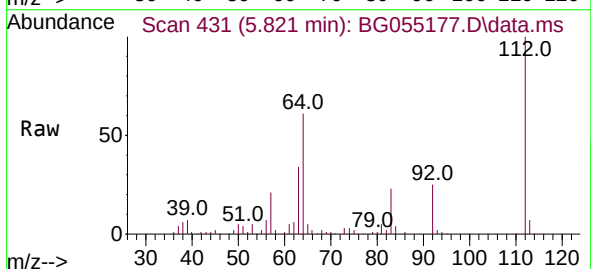
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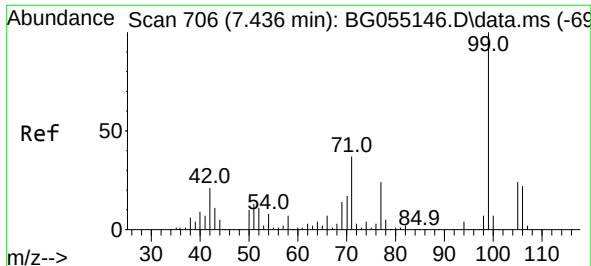
Reviewed By :Christian Giraldo 10/17/2022
Supervised By :mohammad ahmed 10/18/2022



#5
2-Fluorophenol
Concen: 41.514 ng
RT: 5.821 min Scan# 431
Delta R.T. 0.001 min
Lab File: BG055177.D
Acq: 14 Oct 2022 14:11

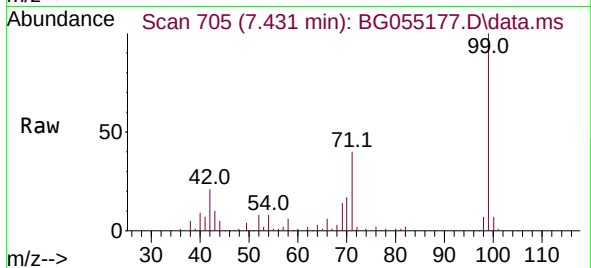
Tgt Ion:112 Resp: 95425
Ion Ratio Lower Upper
112 100
64 61.0 50.9 76.3
63 33.9 29.0 43.6





#7
Phenol-d6
Concen: 37.916 ng
RT: 7.431 min Scan# 706
Delta R.T. -0.005 min
Lab File: BG055177.D
Acq: 14 Oct 2022 14:11

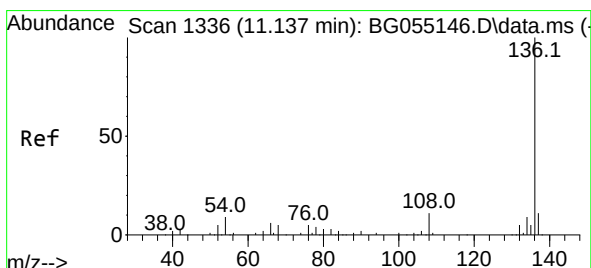
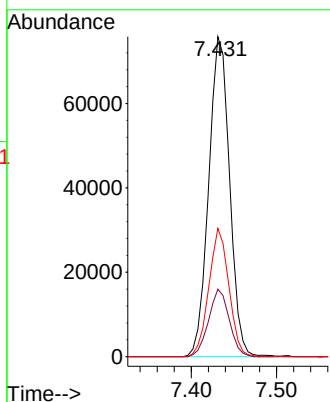
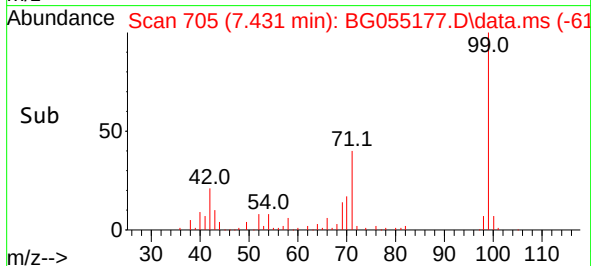
Instrument :
BNA_G
ClientSampleId :
OK-2-101122RE



Tgt Ion: 99 Resp: 128924
Ion Ratio Lower Upper
99 100
42 21.1 16.6 25.0
71 40.1 29.6 44.4

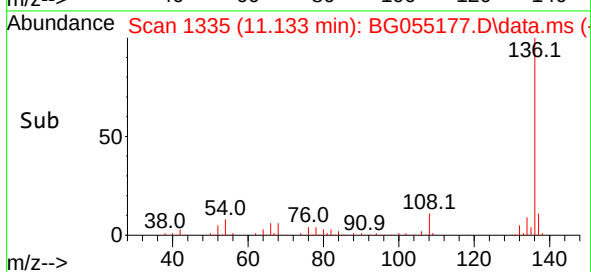
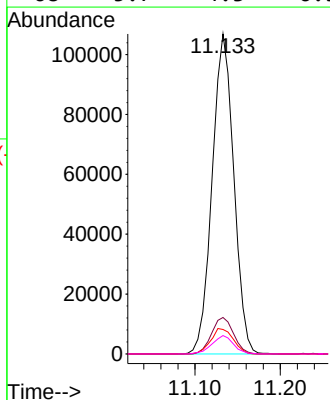
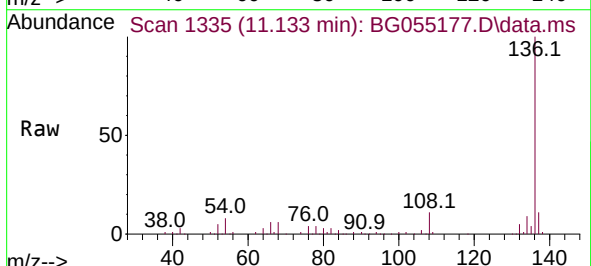
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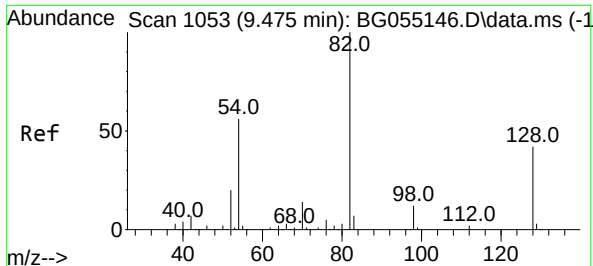
Reviewed By :Christian Giraldo 10/17/2022
Supervised By :mohammad ahmed 10/18/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.133 min Scan# 1335
Delta R.T. -0.004 min
Lab File: BG055177.D
Acq: 14 Oct 2022 14:11

Tgt Ion:136 Resp: 188123
Ion Ratio Lower Upper
136 100
137 11.4 9.1 13.7
54 7.6 7.0 10.6
68 5.7 4.3 6.5





#23

Nitrobenzene-d5

Concen: 23.806 ng

RT: 9.470 min Scan# 1053

Delta R.T. -0.005 min

Lab File: BG055177.D

Acq: 14 Oct 2022 14:11

Instrument :

BNA_G

ClientSampleId :

OK-2-101122RE

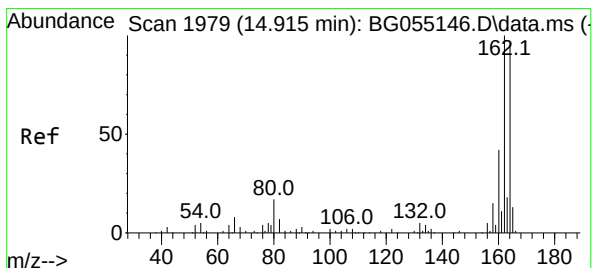
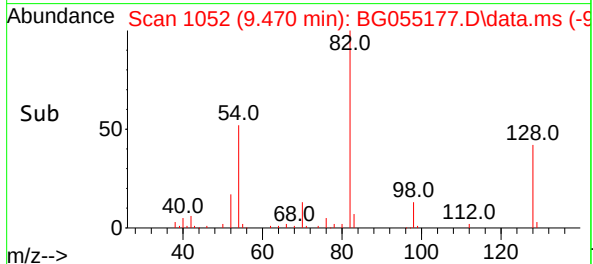
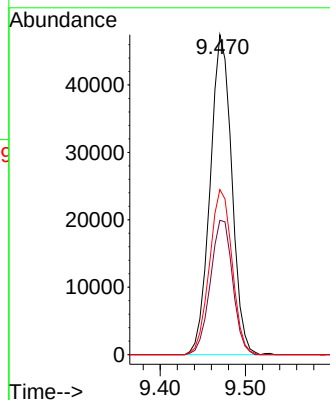
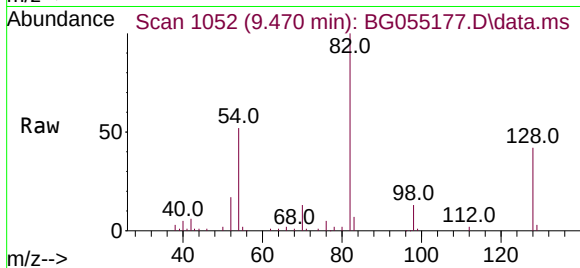
Tgt Ion: 82 Resp: 83515

Ion	Ratio	Lower	Upper
82	100		
128	42.0	33.5	50.3
54	51.6	44.7	67.1

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.911 min Scan# 1978

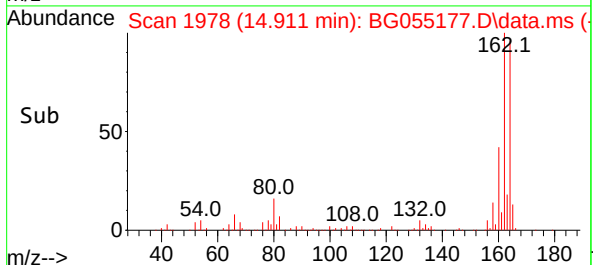
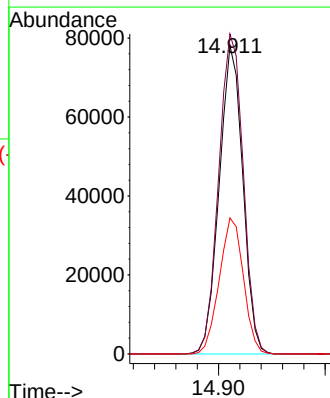
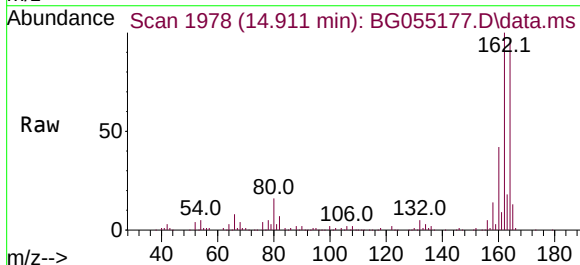
Delta R.T. -0.005 min

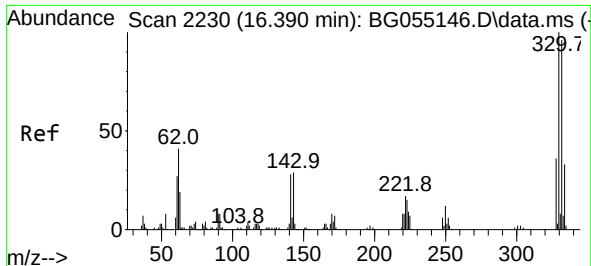
Lab File: BG055177.D

Acq: 14 Oct 2022 14:11

Tgt Ion:164 Resp: 120317

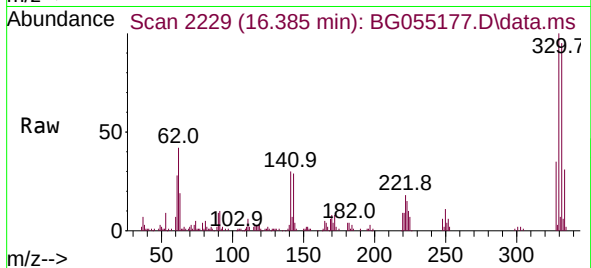
Ion	Ratio	Lower	Upper
164	100		
162	103.7	83.3	124.9
160	44.0	35.3	52.9





#42
2,4,6-Tribromophenol
Concen: 35.159 ng
RT: 16.385 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG055177.D
Acq: 14 Oct 2022 14:11

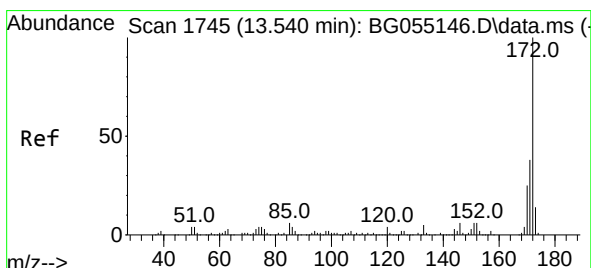
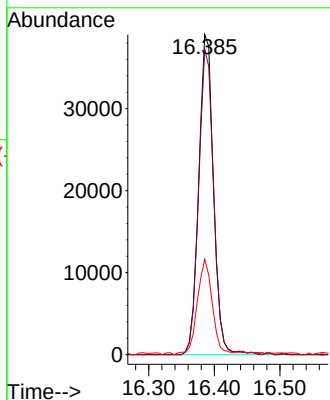
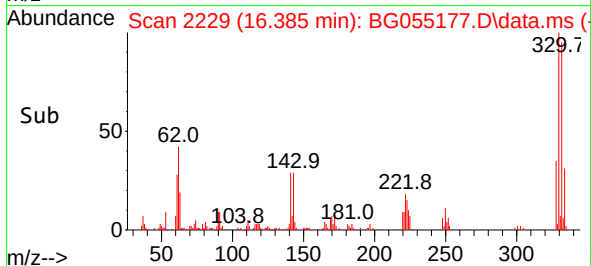
Instrument :
BNA_G
ClientSampleId :
OK-2-101122RE



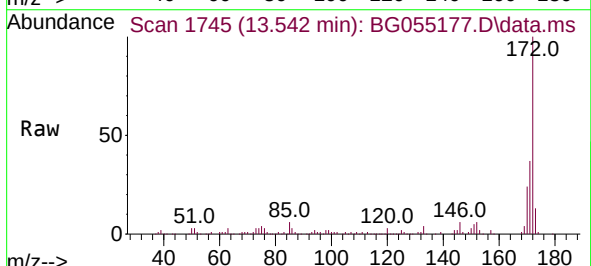
Tgt Ion:330 Resp: 60784
Ion Ratio Lower Upper
330 100
332 95.6 77.0 115.4
141 30.2 24.6 36.8

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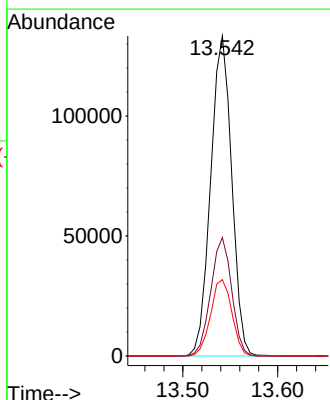
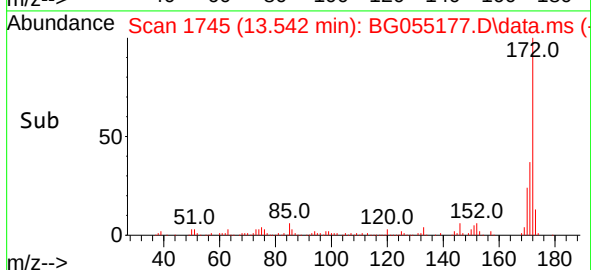
Reviewed By :Christian Giraldo 10/17/2022
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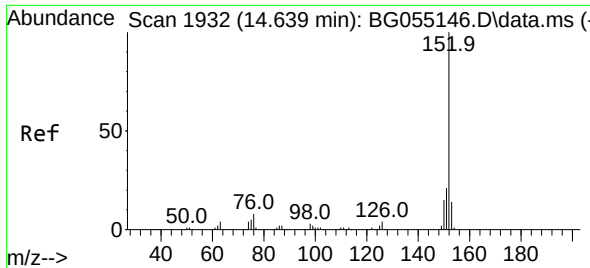


#45
2-Fluorobiphenyl
Concen: 27.902 ng
RT: 13.542 min Scan# 1745
Delta R.T. 0.001 min
Lab File: BG055177.D
Acq: 14 Oct 2022 14:11



Tgt Ion:172 Resp: 205507
Ion Ratio Lower Upper
172 100
171 37.0 30.1 45.1
170 23.8 19.8 29.6





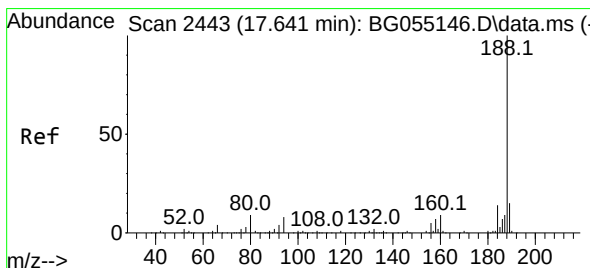
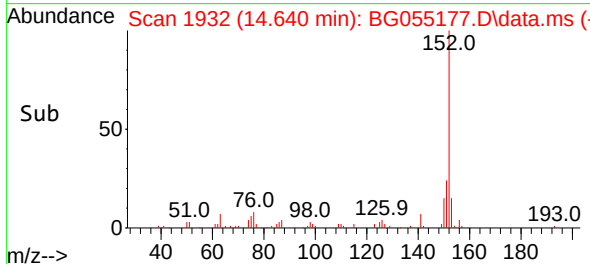
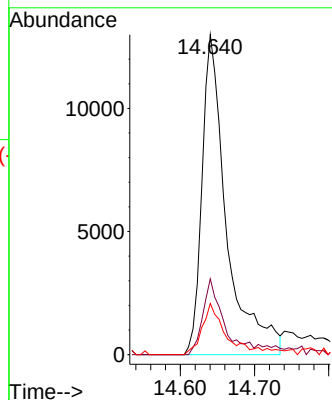
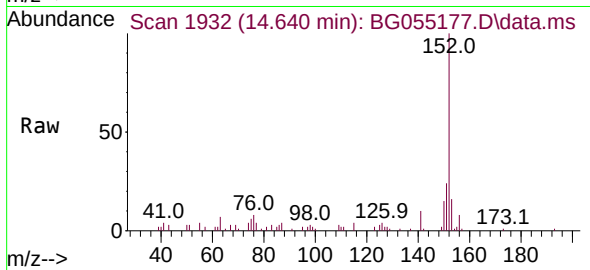
#49
Acenaphthylene
Concen: 2.764 ng
RT: 14.640 min Scan# 1932
Delta R.T. 0.001 min
Lab File: BG055177.D
Acq: 14 Oct 2022 14:11

Instrument :
BNA_G
ClientSampleId :
OK-2-101122RE

Tgt Ion:152 Resp: 29984
Ion Ratio Lower Upper
152 100
151 23.7 16.5 24.7
153 16.0 10.8 16.2

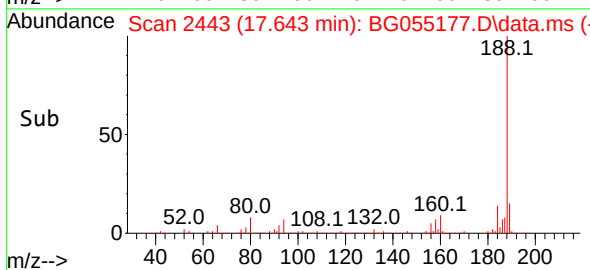
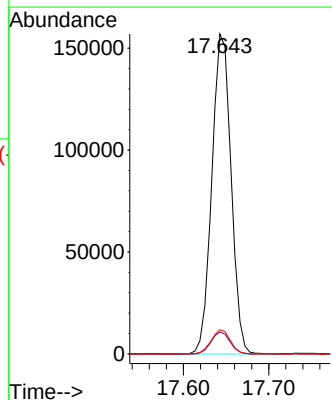
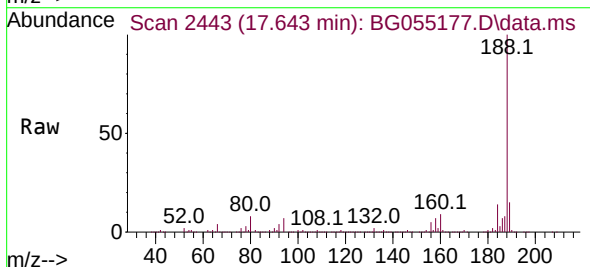
Manual Integrations
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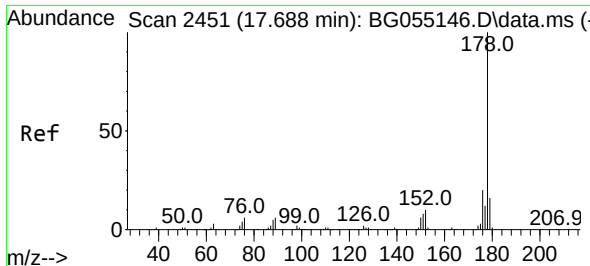
Reviewed By :Christian Giraldo 10/17/2022
Supervised By :mohammad ahmed 10/18/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.643 min Scan# 2443
Delta R.T. 0.001 min
Lab File: BG055177.D
Acq: 14 Oct 2022 14:11

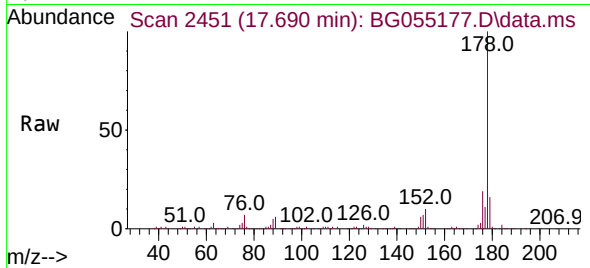
Tgt Ion:188 Resp: 245274
Ion Ratio Lower Upper
188 100
94 6.9 6.2 9.2
80 7.5 7.0 10.6





#71
Phenanthrene
Concen: 12.275 ng
RT: 17.690 min Scan# 2451
Delta R.T. 0.001 min
Lab File: BG055177.D
Acq: 14 Oct 2022 14:11

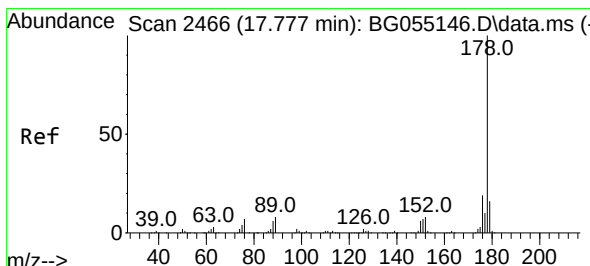
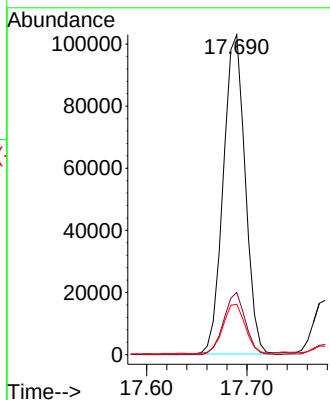
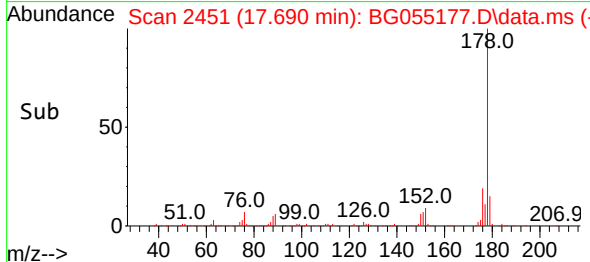
Instrument :
BNA_G
ClientSampleId :
OK-2-101122RE



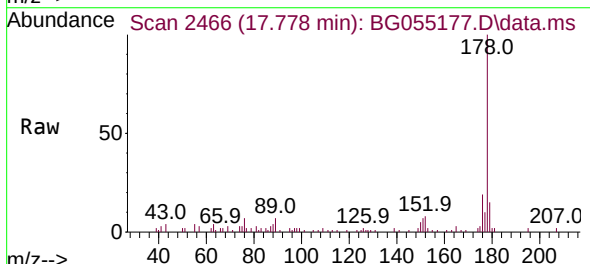
Tgt Ion:178 Resp: 156165
Ion Ratio Lower Upper
178 100
176 19.4 16.0 24.0
179 15.7 12.7 19.1

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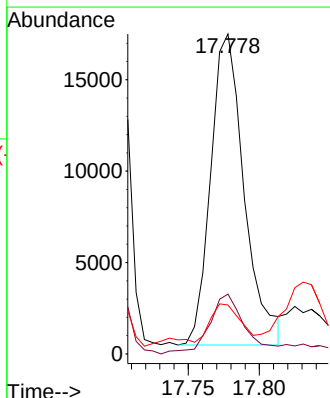
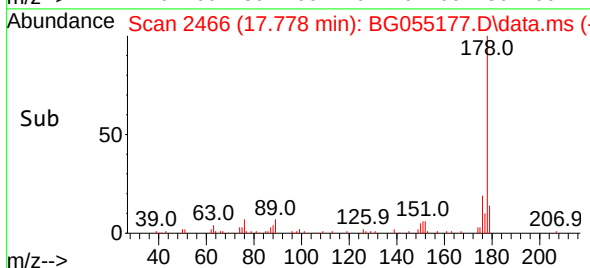
Reviewed By :Christian Giraldo 10/17/2022
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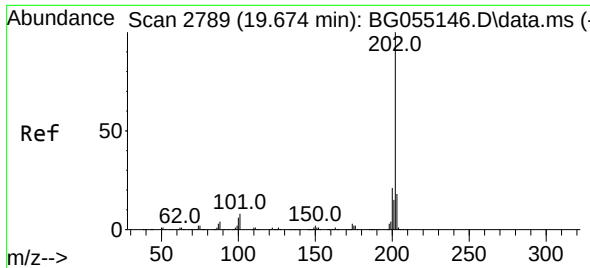


#72
Anthracene
Concen: 2.246 ng
RT: 17.778 min Scan# 2466
Delta R.T. 0.001 min
Lab File: BG055177.D
Acq: 14 Oct 2022 14:11



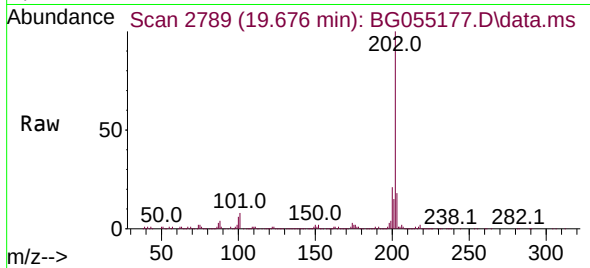
Tgt Ion:178 Resp: 27921
Ion Ratio Lower Upper
178 100
176 18.7 15.1 22.7
179 15.3 13.0 19.4





#75
Fluoranthene
Concen: 16.121 ng
RT: 19.676 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG055177.D
Acq: 14 Oct 2022 14:11

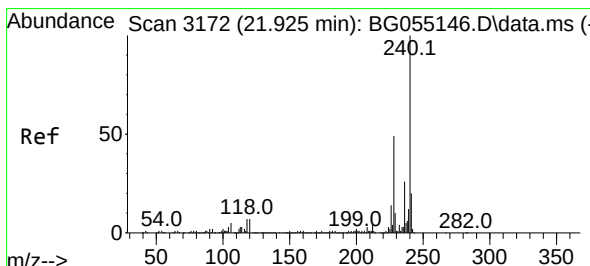
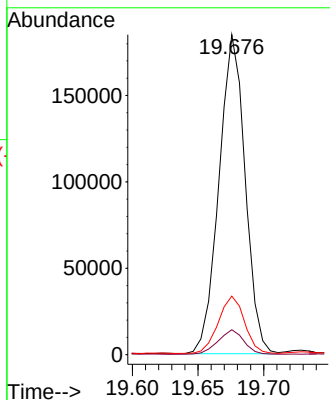
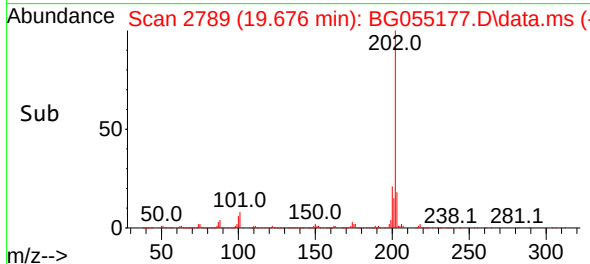
Instrument :
BNA_G
ClientSampleId :
OK-2-101122RE



Tgt Ion:202 Resp: 256382
Ion Ratio Lower Upper
202 100
101 7.8 0.0 28.4
203 18.3 0.0 37.8

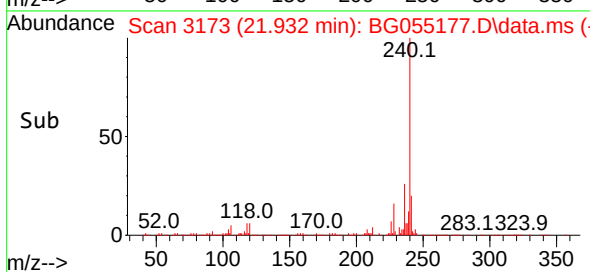
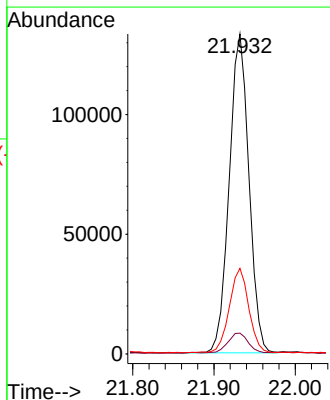
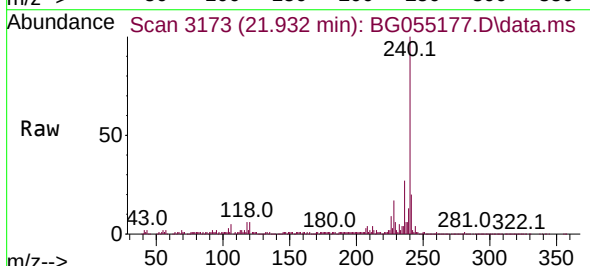
Manual Integrations
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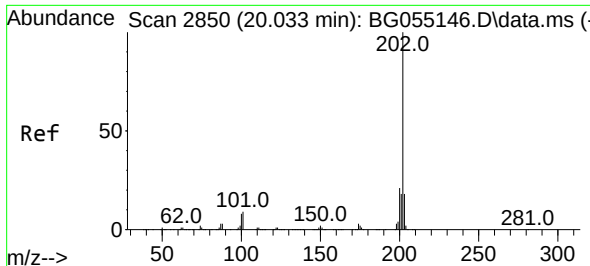
Reviewed By :Christian Giraldo 10/17/2022
Supervised By :mohammad ahmed 10/18/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.932 min Scan# 3173
Delta R.T. 0.007 min
Lab File: BG055177.D
Acq: 14 Oct 2022 14:11

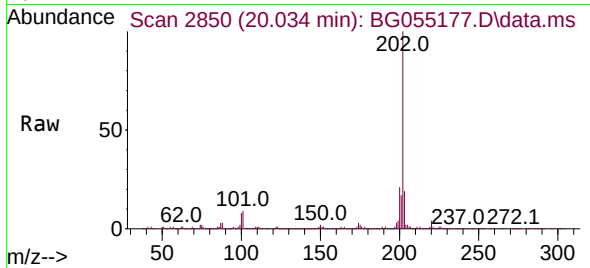
Tgt Ion:240 Resp: 224540
Ion Ratio Lower Upper
240 100
120 6.5 5.4 8.0
236 26.7 20.6 31.0





#78
Pyrene
Concen: 24.560 ng
RT: 20.034 min Scan# 2850
Delta R.T. 0.001 min
Lab File: BG055177.D
Acq: 14 Oct 2022 14:11

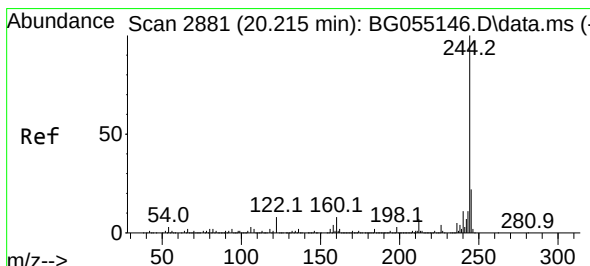
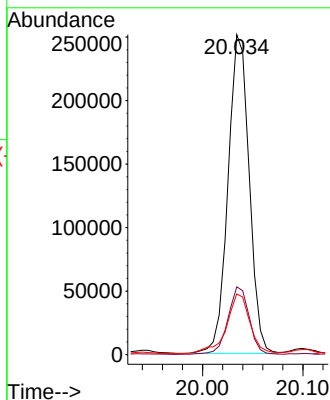
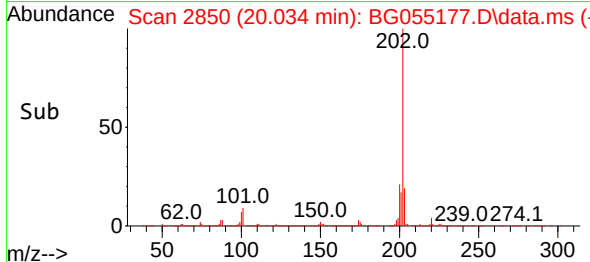
Instrument :
BNA_G
ClientSampleId :
OK-2-101122RE



Tgt Ion:202 Resp: 367621
Ion Ratio Lower Upper
202 100
200 21.2 16.9 25.3
203 19.0 14.4 21.6

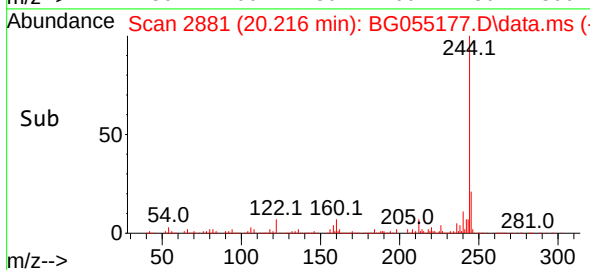
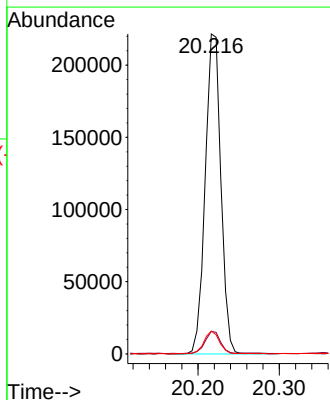
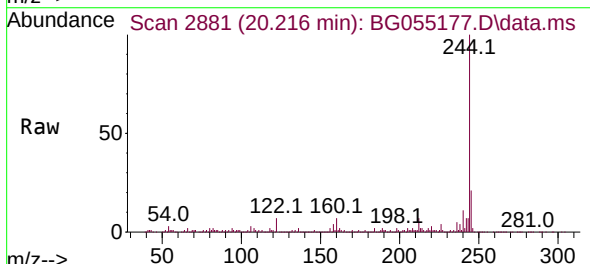
Manual Integrations
APPROVED

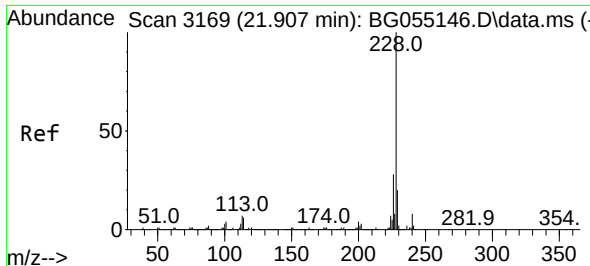
Reviewed By :Christian Giraldo 10/17/2022
Supervised By :mohammad ahmed 10/18/2022



#79
Terphenyl-d14
Concen: 26.668 ng
RT: 20.216 min Scan# 2881
Delta R.T. 0.001 min
Lab File: BG055177.D
Acq: 14 Oct 2022 14:11

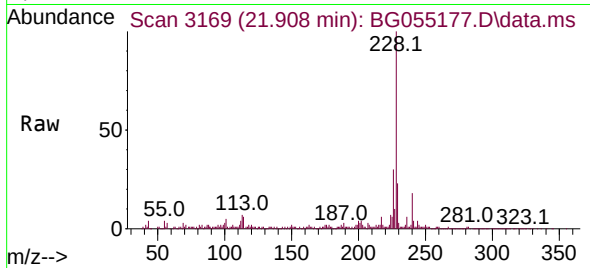
Tgt Ion:244 Resp: 297322
Ion Ratio Lower Upper
244 100
212 7.0 5.9 8.9
122 7.1 6.6 10.0





#81
Benzo(a)anthracene
Concen: 12.147 ng
RT: 21.908 min Scan# 3169
Delta R.T. 0.001 min
Lab File: BG055177.D
Acq: 14 Oct 2022 14:11

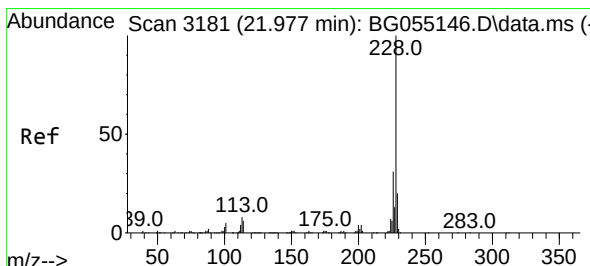
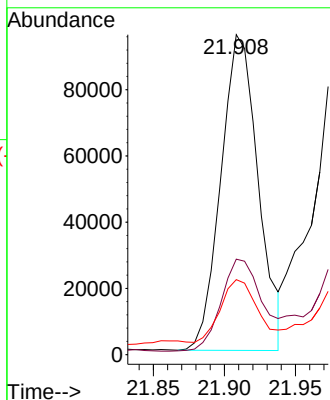
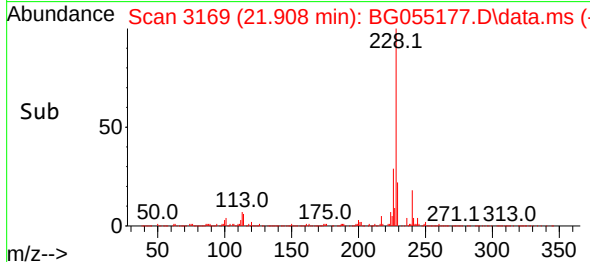
Instrument :
BNA_G
ClientSampleId :
OK-2-101122RE



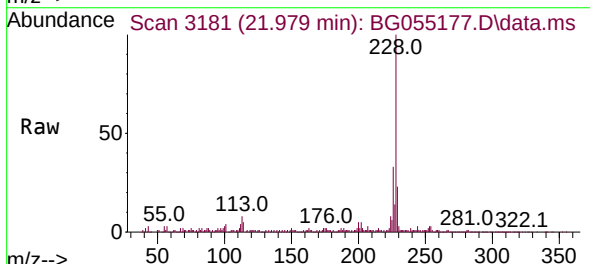
Tgt Ion:228 Resp: 174511
Ion Ratio Lower Upper
228 100
226 29.8 22.6 34.0
229 23.4 16.2 24.4

Manual Integrations
APPROVED

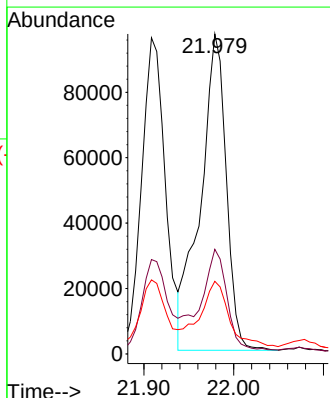
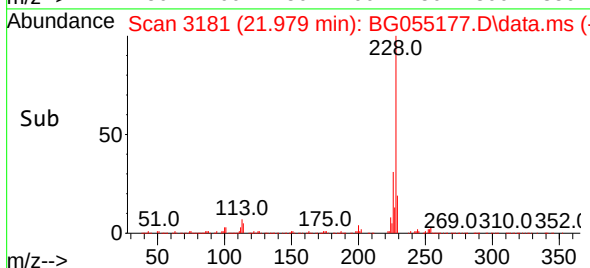
Reviewed By :Christian Giraldo 10/17/2022
Supervised By :mohammad ahmed 10/18/2022

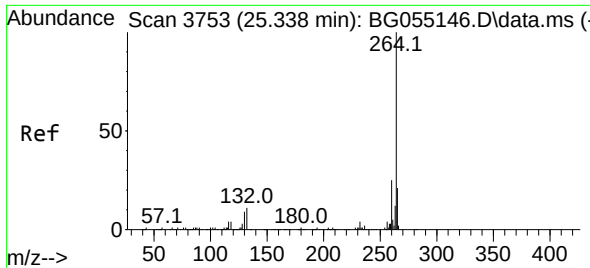


#83
Chrysene
Concen: 14.356 ng
RT: 21.979 min Scan# 3181
Delta R.T. 0.001 min
Lab File: BG055177.D
Acq: 14 Oct 2022 14:11



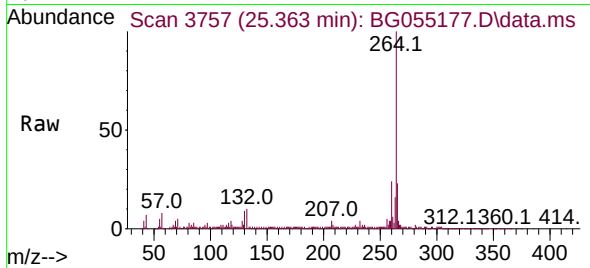
Tgt Ion:228 Resp: 194555
Ion Ratio Lower Upper
228 100
226 32.7 25.1 37.7
229 22.7 16.2 24.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.363 min Scan# 31
Delta R.T. 0.025 min
Lab File: BG055177.D
Acq: 14 Oct 2022 14:11

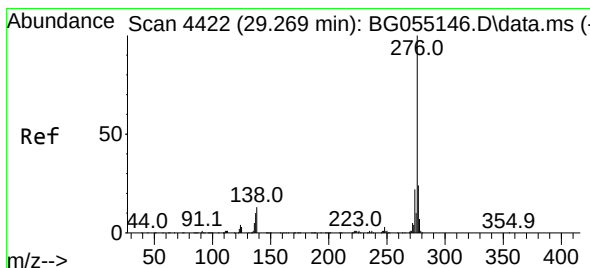
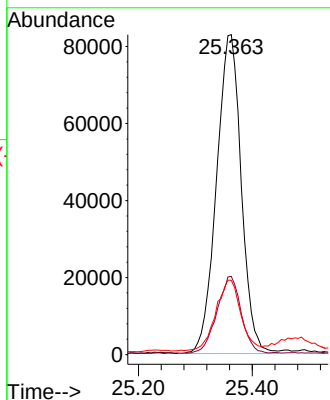
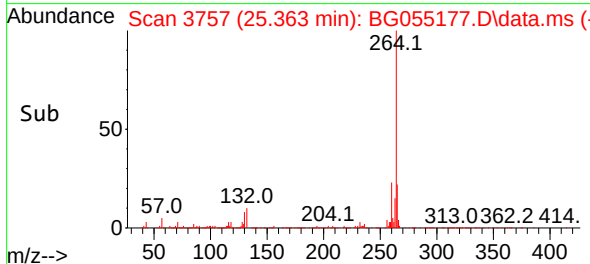
Instrument :
BNA_G
ClientSampleId :
OK-2-101122RE



Tgt Ion:264 Resp: 250048
Ion Ratio Lower Upper
264 100
260 24.4 20.1 30.1
265 23.2 16.8 25.2

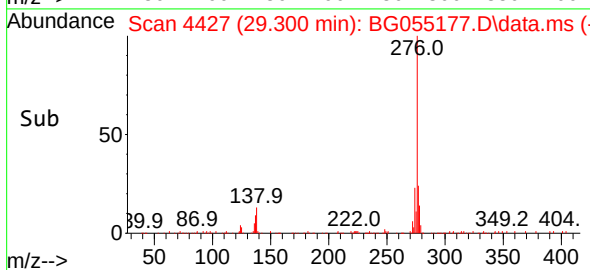
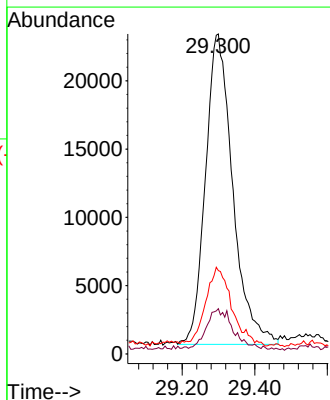
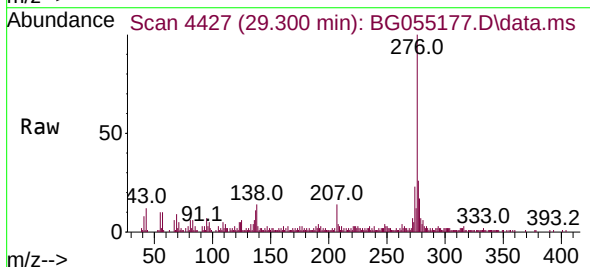
Manual Integrations
APPROVED

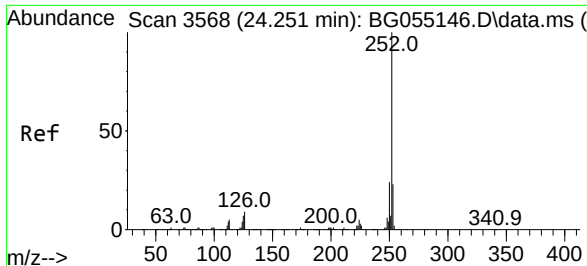
Reviewed By :Christian Giraldo 10/17/2022
Supervised By :mohammad ahmed 10/18/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.395 ng
RT: 29.300 min Scan# 4427
Delta R.T. 0.031 min
Lab File: BG055177.D
Acq: 14 Oct 2022 14:11

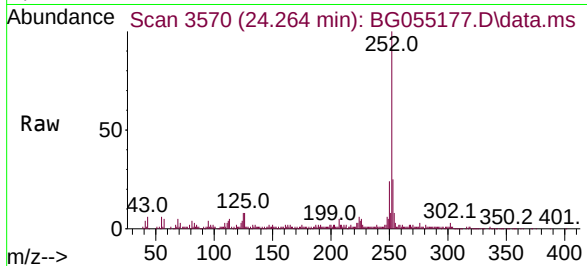
Tgt Ion:276 Resp: 118444
Ion Ratio Lower Upper
276 100
138 12.0 13.4 20.0#
277 25.0 20.5 30.7





#88
Benzo(b)fluoranthene
Concen: 14.203 ng
RT: 24.264 min Scan# 3570
Delta R.T. 0.013 min
Lab File: BG055177.D
Acq: 14 Oct 2022 14:11

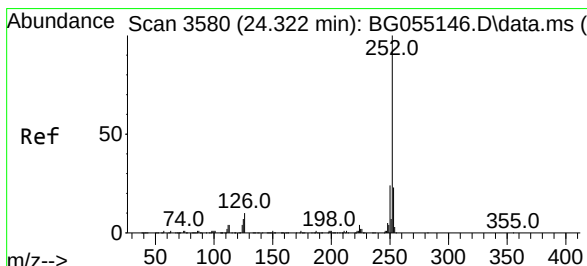
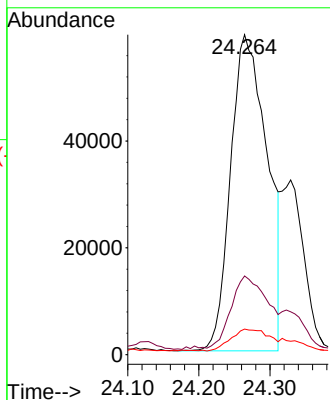
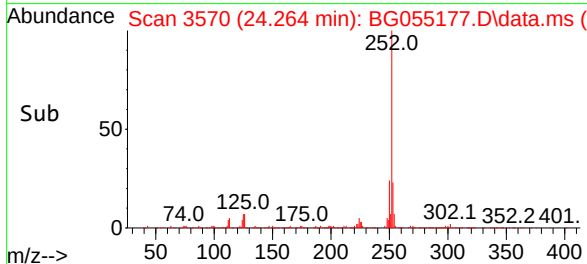
Instrument :
BNA_G
ClientSampleId :
OK-2-101122RE



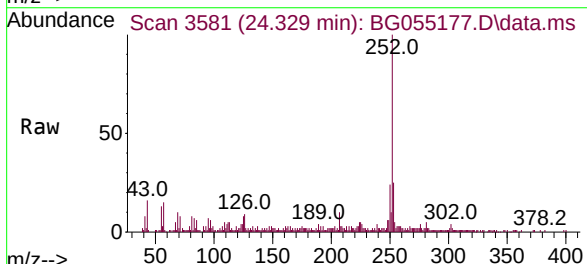
Tgt Ion:252 Resp: 211675
Ion Ratio Lower Upper
252 100
253 24.6 18.2 27.2
125 8.0 5.7 8.5

Manual Integrations
APPROVED

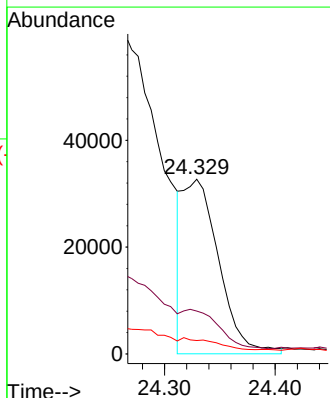
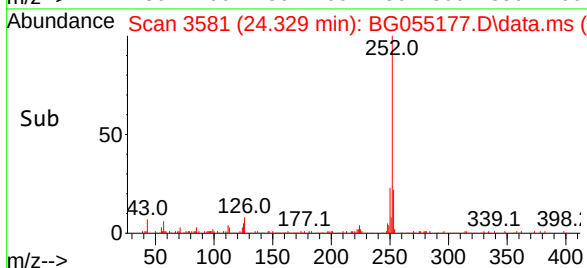
Reviewed By :Christian Giraldo 10/17/2022
Supervised By :mohammad ahmed 10/18/2022

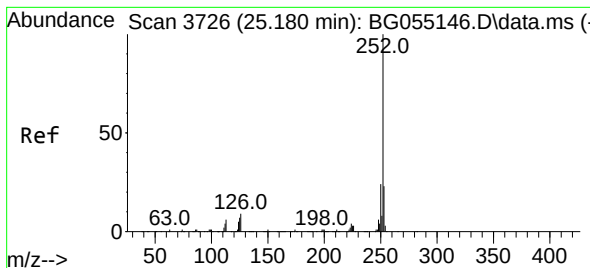


#89
Benzo(k)fluoranthene
Concen: 4.949 ng m
RT: 24.329 min Scan# 3581
Delta R.T. 0.007 min
Lab File: BG055177.D
Acq: 14 Oct 2022 14:11



Tgt Ion:252 Resp: 74109
Ion Ratio Lower Upper
252 100
253 24.5 18.0 27.0
125 7.7 5.8 8.6





#90

Benzo(a)pyrene

Concen: 15.679 ng

RT: 25.199 min Scan# 31

Delta R.T. 0.019 min

Lab File: BG055177.D

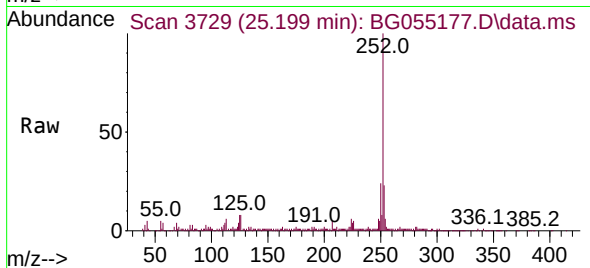
Acq: 14 Oct 2022 14:11

Instrument :

BNA_G

ClientSampleId :

OK-2-101122RE

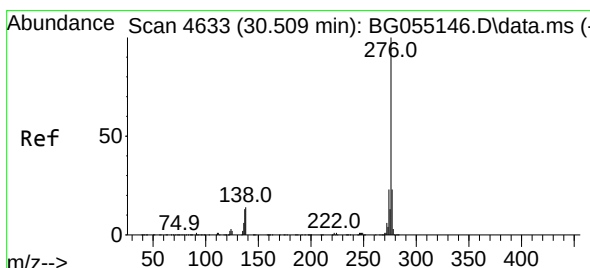
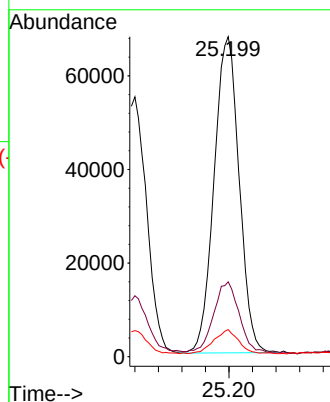
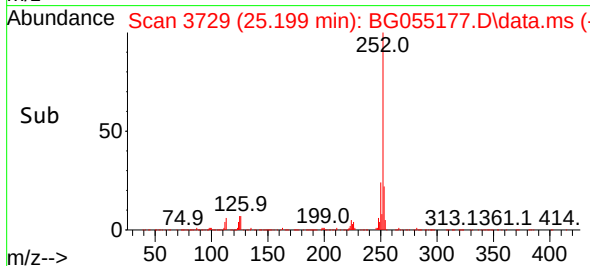


Tgt Ion:	252	Resp:	199815
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.2	27.2
125	8.4	5.8	8.8

Manual Integrations

APPROVED

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



#92

Benzo(g,h,i)perylene

Concen: 9.054 ng

RT: 30.539 min Scan# 4638

Delta R.T. 0.031 min

Lab File: BG055177.D

Acq: 14 Oct 2022 14:11

Tgt Ion:	276	Resp:	135939
Ion Ratio	Lower	Upper	
276	100		
277	23.7	18.4	27.6
138	13.7	11.2	16.8

