

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101422\
 Data File : BG055178.D
 Acq On : 14 Oct 2022 14:52
 Operator : CG/JU
 Sample : N5102-01RE 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CL-1-101122RE

Manual Integrations
 APPROVED

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

Quant Time: Oct 14 16:18:24 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	44934	20.000	ng	0.00
21) Naphthalene-d8	11.132	136	180699	20.000	ng	0.00
39) Acenaphthene-d10	14.916	164	116650	20.000	ng	0.00
64) Phenanthrene-d10	17.648	188	239512	20.000	ng	0.00
76) Chrysene-d12	21.931	240	218886	20.000	ng	0.00
86) Perylene-d12	25.362	264	237661	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.820	112	108643	47.304	ng	0.00
7) Phenol-d6	7.436	99	145464	42.816	ng	0.00
23) Nitrobenzene-d5	9.475	82	92982	27.593	ng	0.00
42) 2,4,6-Tribromophenol	16.390	330	69062	41.203	ng	0.00
45) 2-Fluorobiphenyl	13.541	172	230341	32.257	ng	0.00
79) Terphenyl-d14	20.221	244	322830	29.704	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.689	178	57902	4.661	ng	98
75) Fluoranthene	19.675	202	65435	4.214	ng	98
78) Pyrene	20.039	202	70744	4.848	ng	99
81) Benzo(a)anthracene	21.913	228	34504	2.464	ng	95
83) Chrysene	21.978	228	34028m	2.576	ng	
88) Benzo(b)fluoranthene	24.269	252	47756	3.371	ng	# 82
90) Benzo(a)pyrene	25.198	252	35617	2.940	ng	# 85

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

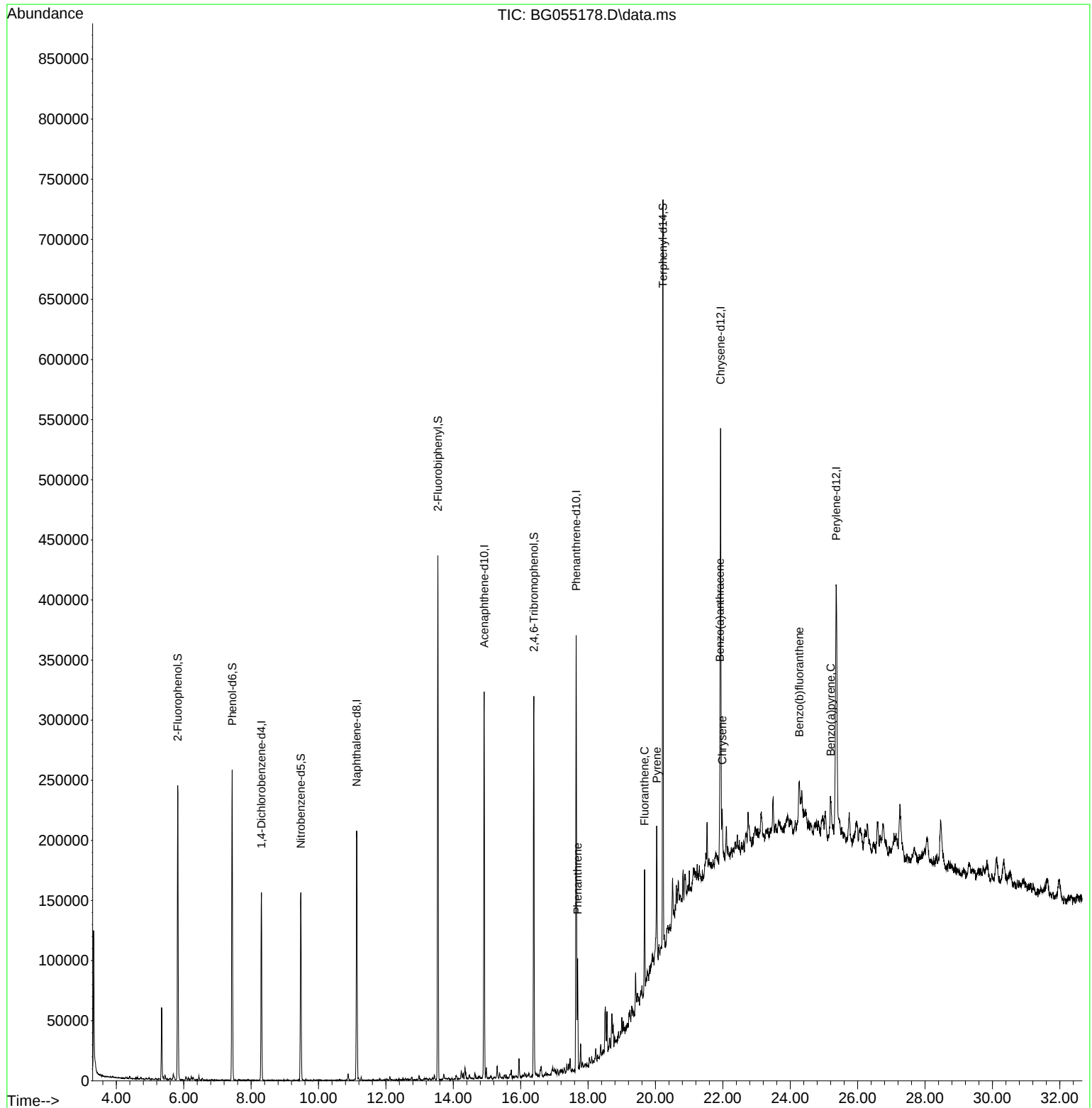
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101422\
Data File : BG055178.D
Acq On : 14 Oct 2022 14:52
Operator : CG/JU
Sample : N5102-01RE 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

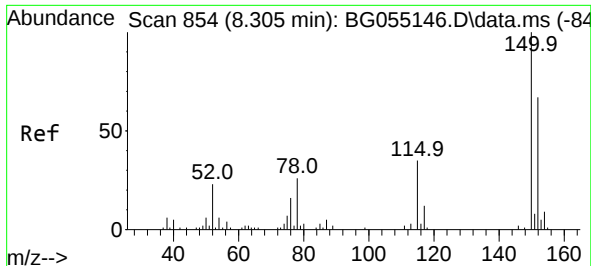
Instrument :
BNA_G
ClientSampleId :
CL-1-101122RE

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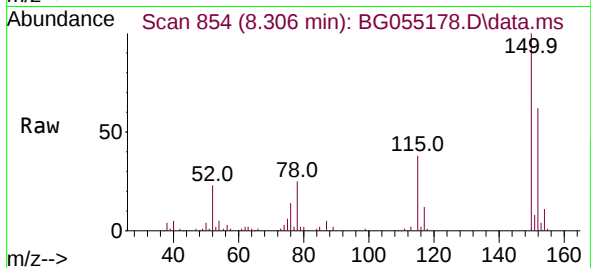
Quant Time: Oct 14 16:18:24 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG101322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 05:14:13 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.306 min Scan# 854
Delta R.T. 0.001 min
Lab File: BG055178.D
Acq: 14 Oct 2022 14:52

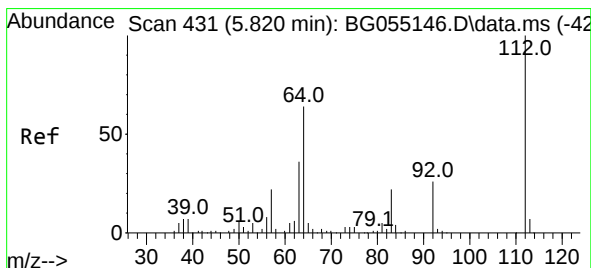
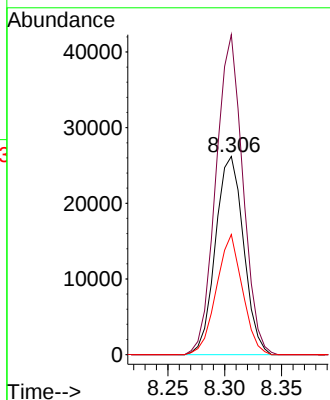
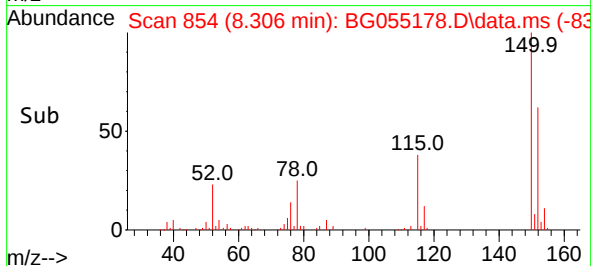
Instrument :
BNA_G
ClientSampleId :
CL-1-101122RE



Tgt Ion:152 Resp: 44934
Ion Ratio Lower Upper
152 100
150 161.4 119.7 179.5
115 60.5 42.4 63.6

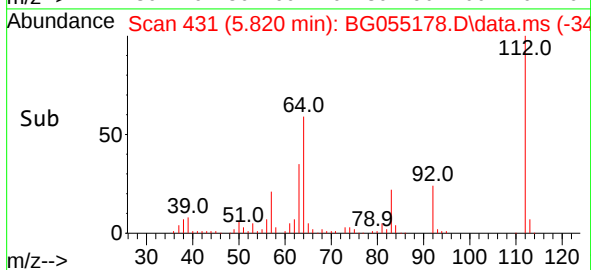
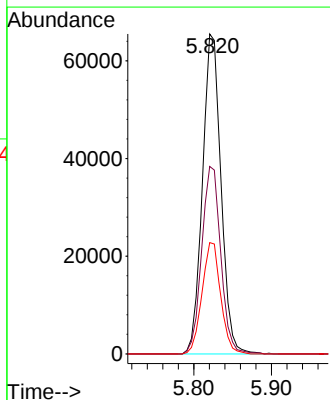
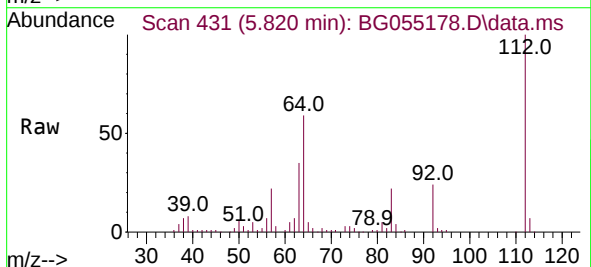
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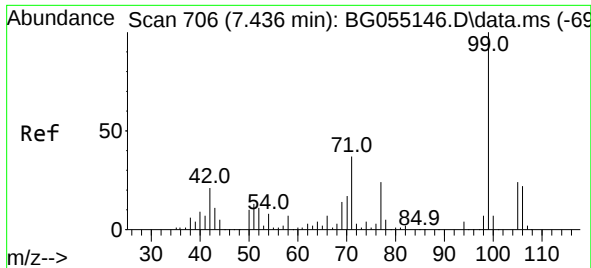
Reviewed By :Christian Giraldo 10/17/2022
Supervised By :mohammad ahmed 10/18/2022



#5
2-Fluorophenol
Concen: 47.304 ng
RT: 5.820 min Scan# 431
Delta R.T. 0.000 min
Lab File: BG055178.D
Acq: 14 Oct 2022 14:52

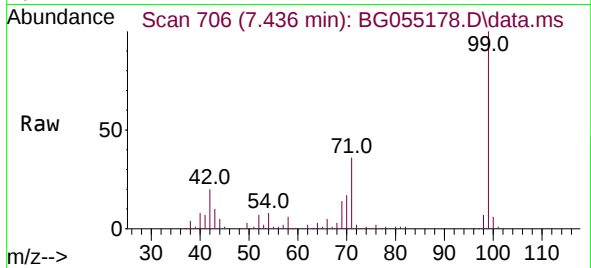
Tgt Ion:112 Resp: 108643
Ion Ratio Lower Upper
112 100
64 58.6 50.9 76.3
63 34.8 29.0 43.6





#7
Phenol-d6
Concen: 42.816 ng
RT: 7.436 min Scan# 706
Delta R.T. 0.000 min
Lab File: BG055178.D
Acq: 14 Oct 2022 14:52

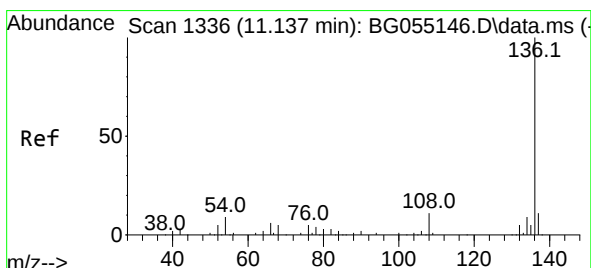
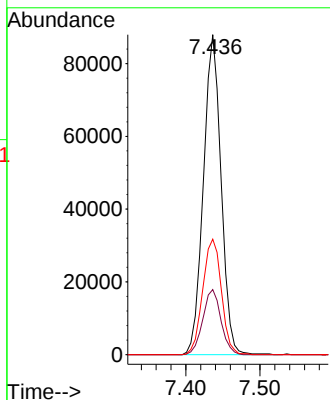
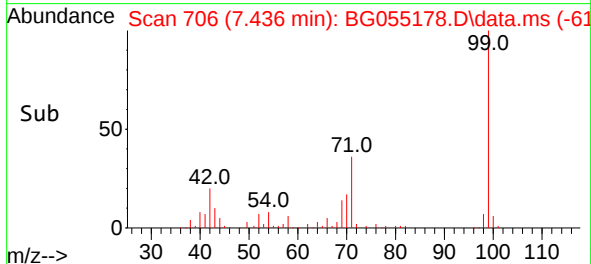
Instrument :
BNA_G
ClientSampleId :
CL-1-101122RE



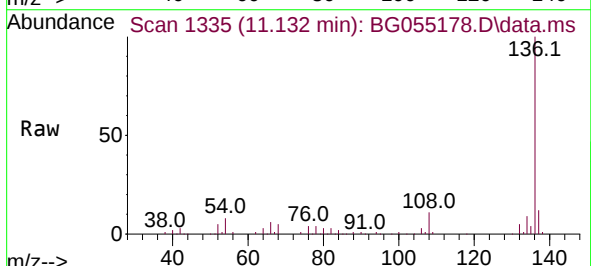
Tgt Ion: 99 Resp: 145464
Ion Ratio Lower Upper
99 100
42 20.3 16.6 25.0
71 36.1 29.6 44.4

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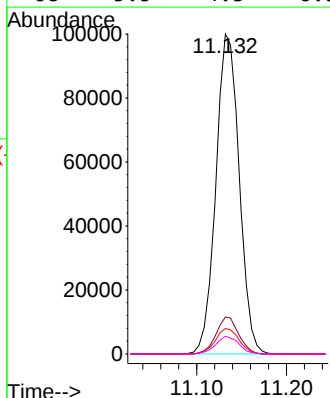
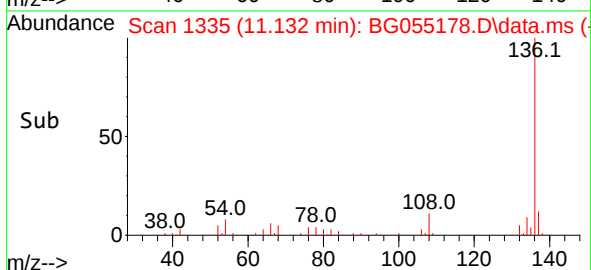
Reviewed By :Christian Giraldo 10/17/2022
Supervised By :mohammad ahmed 10/18/2022

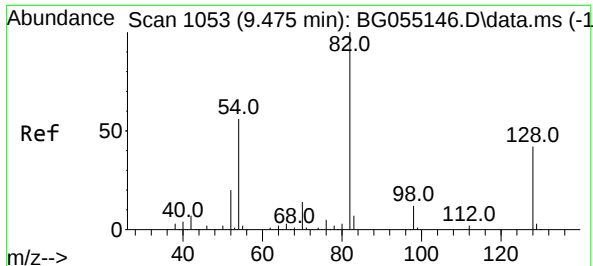


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.132 min Scan# 1335
Delta R.T. -0.005 min
Lab File: BG055178.D
Acq: 14 Oct 2022 14:52



Tgt Ion:136 Resp: 180699
Ion Ratio Lower Upper
136 100
137 11.5 9.1 13.7
54 7.9 7.0 10.6
68 5.5 4.3 6.5





#23

Nitrobenzene-d5

Concen: 27.593 ng

RT: 9.475 min Scan# 1053

Delta R.T. 0.000 min

Lab File: BG055178.D

Acq: 14 Oct 2022 14:52

Instrument :

BNA_G

ClientSampleId :

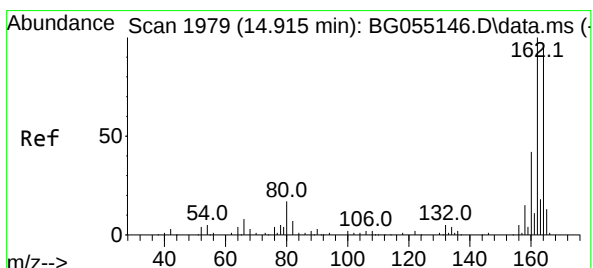
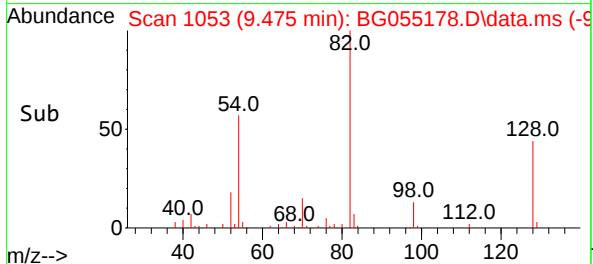
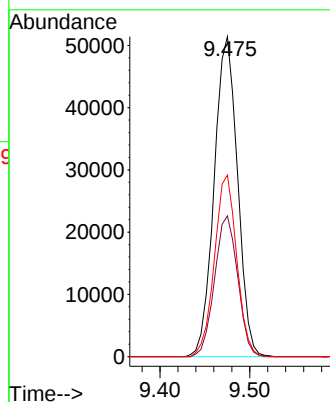
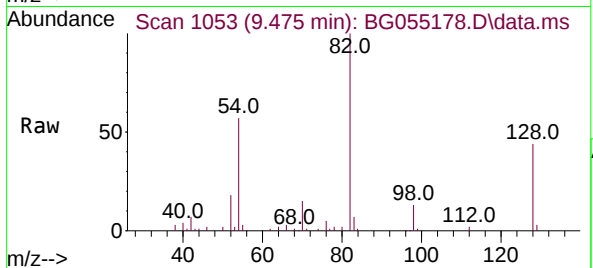
CL-1-101122RE

Tgt Ion:	82	Resp:	92982
Ion Ratio	Lower	Upper	
82	100		
128	44.0	33.5	50.3
54	56.7	44.7	67.1

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#39

Acenaphthene-d10

Concen: 20.000 ng

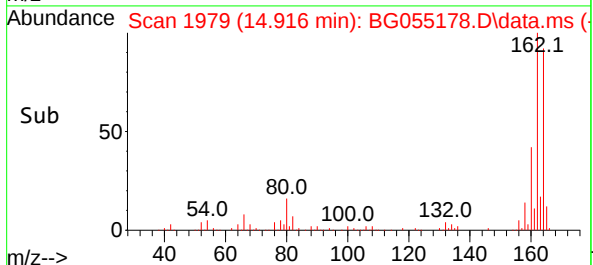
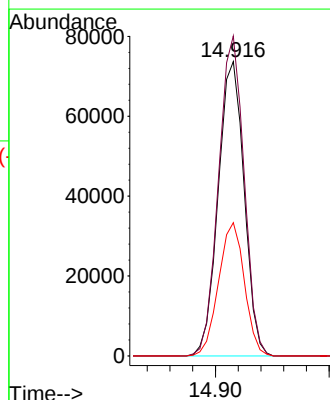
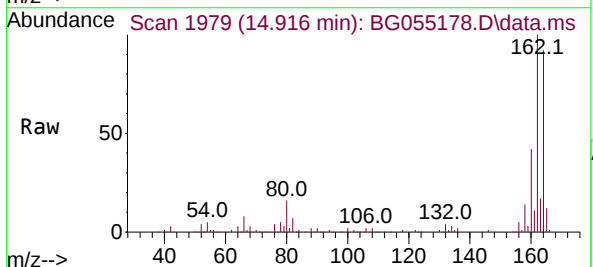
RT: 14.916 min Scan# 1979

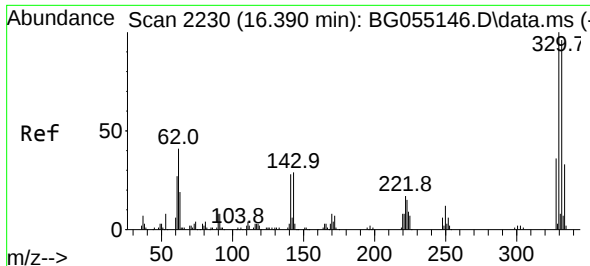
Delta R.T. 0.000 min

Lab File: BG055178.D

Acq: 14 Oct 2022 14:52

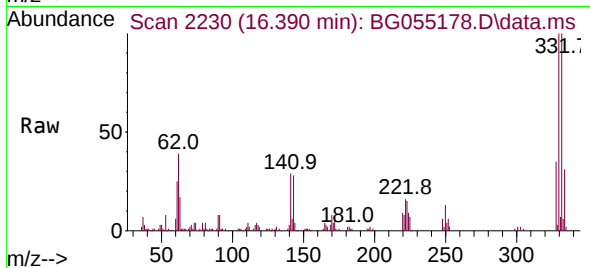
Tgt Ion:	164	Resp:	116650
Ion Ratio	Lower	Upper	
164	100		
162	108.8	83.3	124.9
160	45.3	35.3	52.9





#42
2,4,6-Tribromophenol
Concen: 41.203 ng
RT: 16.390 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG055178.D
Acq: 14 Oct 2022 14:52

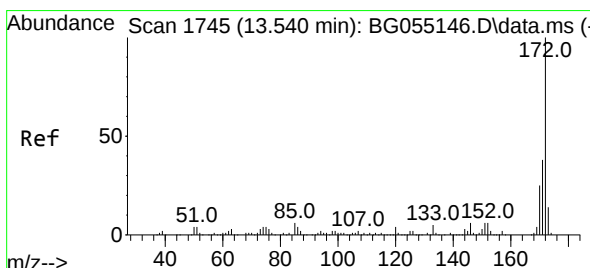
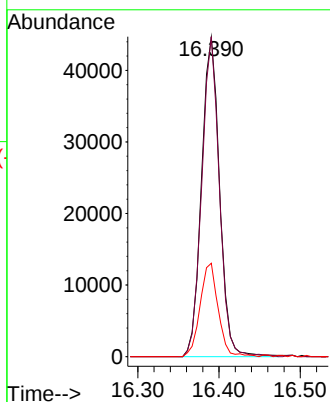
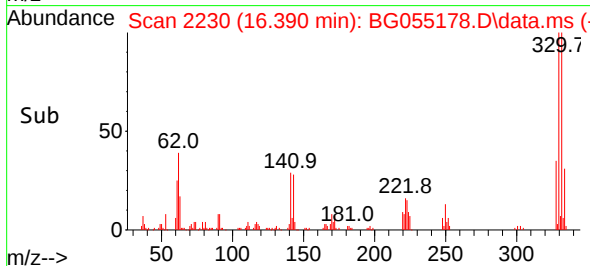
Instrument :
BNA_G
ClientSampleId :
CL-1-101122RE



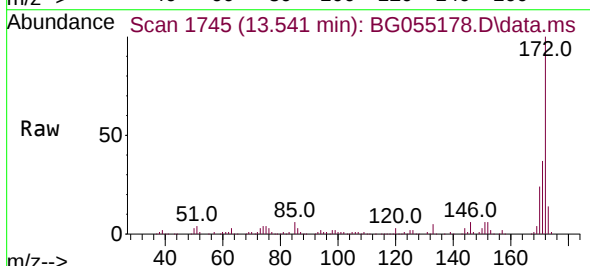
Tgt Ion:330 Resp: 69062
Ion Ratio Lower Upper
330 100
332 97.4 77.0 115.4
141 29.2 24.6 36.8

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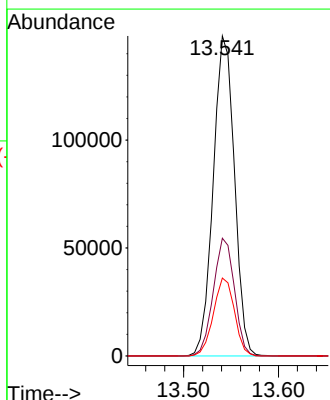
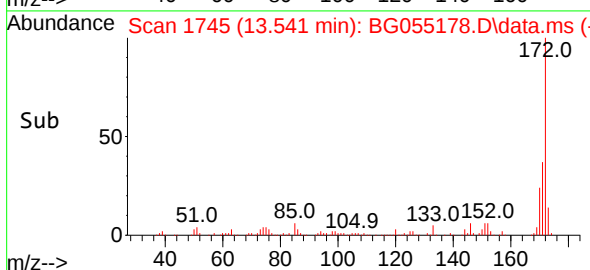
Reviewed By :Christian Giraldo 10/17/2022
Supervised By :mohammad ahmed 10/18/2022

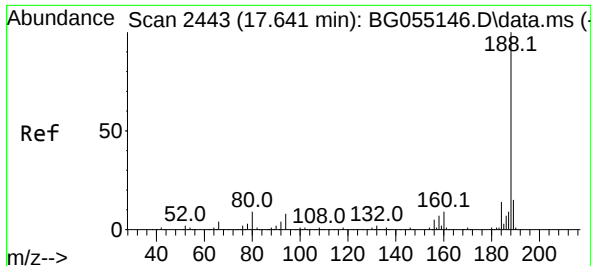


#45
2-Fluorobiphenyl
Concen: 32.257 ng
RT: 13.541 min Scan# 1745
Delta R.T. 0.000 min
Lab File: BG055178.D
Acq: 14 Oct 2022 14:52



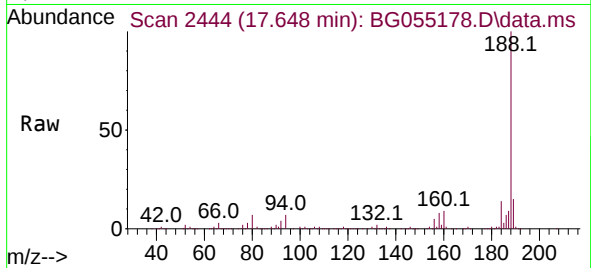
Tgt Ion:172 Resp: 230341
Ion Ratio Lower Upper
172 100
171 36.8 30.1 45.1
170 24.3 19.8 29.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.648 min Scan# 2444
Delta R.T. 0.006 min
Lab File: BG055178.D
Acq: 14 Oct 2022 14:52

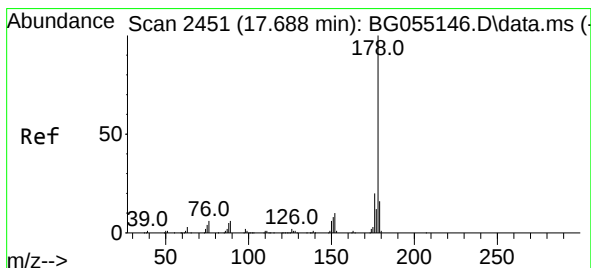
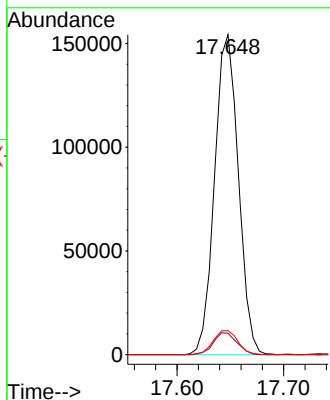
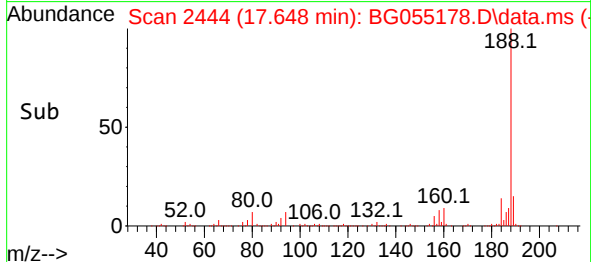
Instrument :
BNA_G
ClientSampleId :
CL-1-101122RE



Tgt Ion:188 Resp: 239512
Ion Ratio Lower Upper
188 100
94 6.7 6.2 9.2
80 7.5 7.0 10.6

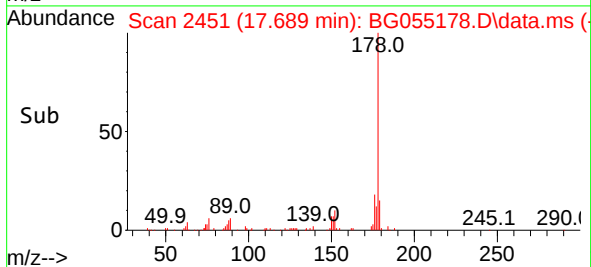
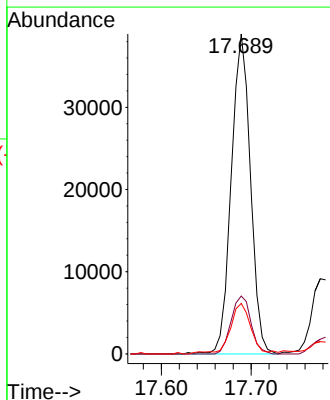
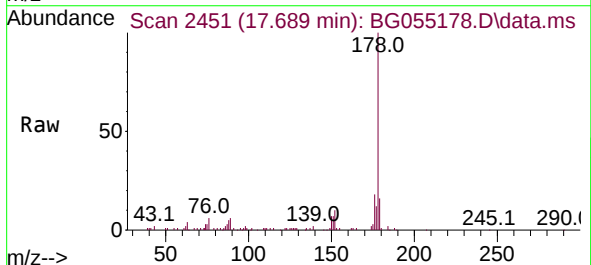
Manual Integrations
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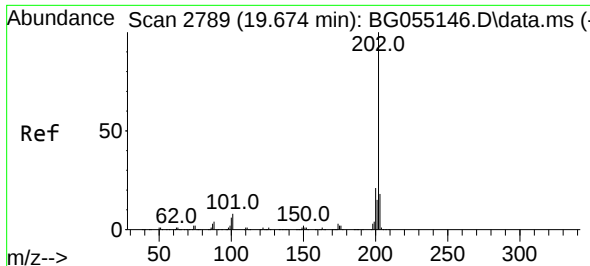
Reviewed By :Christian Giraldo 10/17/2022
Supervised By :mohammad ahmed 10/18/2022



#71
Phenanthrene
Concen: 4.661 ng
RT: 17.689 min Scan# 2451
Delta R.T. 0.000 min
Lab File: BG055178.D
Acq: 14 Oct 2022 14:52

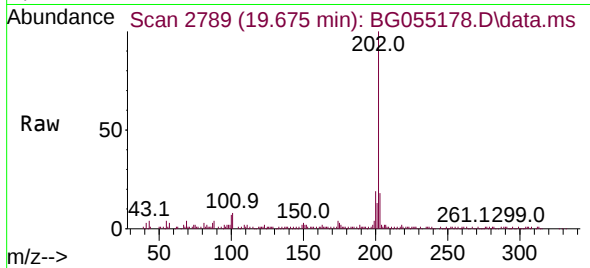
Tgt Ion:178 Resp: 57902
Ion Ratio Lower Upper
178 100
176 18.1 16.0 24.0
179 15.8 12.7 19.1





#75
Fluoranthene
Concen: 4.214 ng
RT: 19.675 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG055178.D
Acq: 14 Oct 2022 14:52

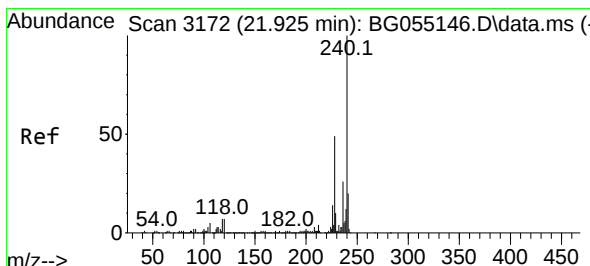
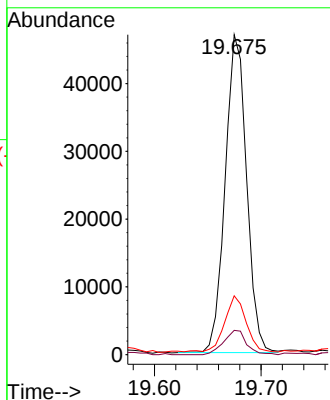
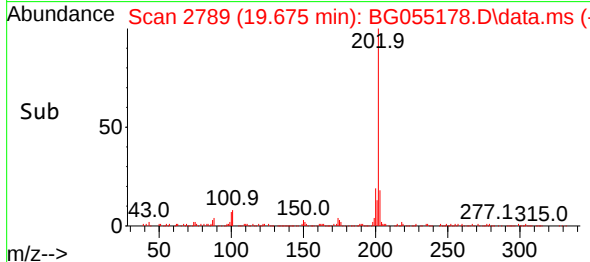
Instrument :
BNA_G
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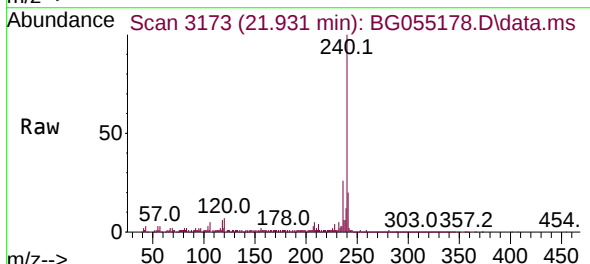
Tgt Ion:202 Resp: 65435
Ion Ratio Lower Upper
202 100
101 7.6 0.0 28.4
203 18.4 0.0 37.8

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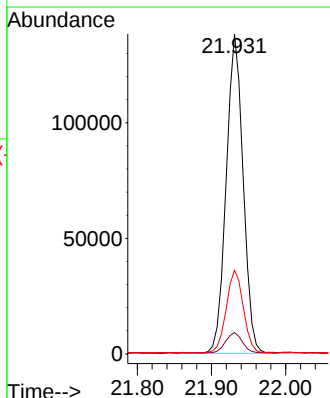
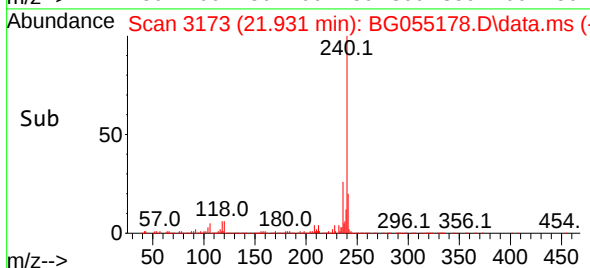
Reviewed By :Christian Giraldo 10/17/2022
Supervised By :mohammad ahmed 10/18/2022

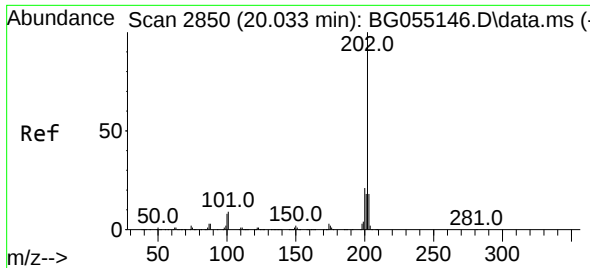


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.931 min Scan# 3173
Delta R.T. 0.006 min
Lab File: BG055178.D
Acq: 14 Oct 2022 14:52



Tgt Ion:240 Resp: 218886
Ion Ratio Lower Upper
240 100
120 6.7 5.4 8.0
236 26.2 20.6 31.0





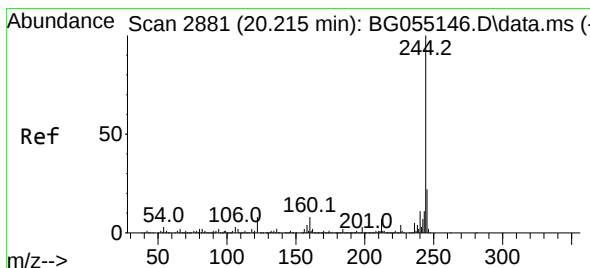
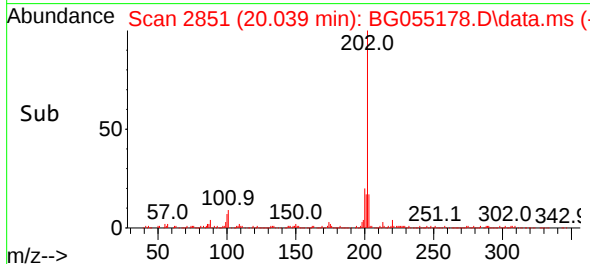
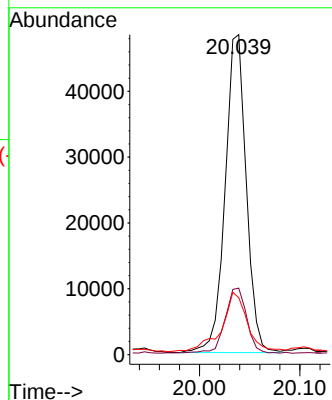
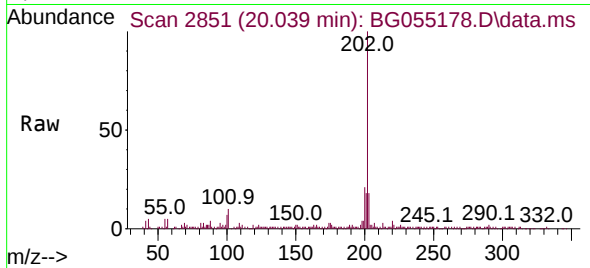
#78
Pyrene
Concen: 4.848 ng
RT: 20.039 min Scan# 2850
Delta R.T. 0.006 min
Lab File: BG055178.D
Acq: 14 Oct 2022 14:52

Instrument :
BNA_G
ClientSampleId :
CL-1-101122RE

Tgt Ion:202 Resp: 70744
Ion Ratio Lower Upper
202 100
200 20.8 16.9 25.3
203 17.8 14.4 21.6

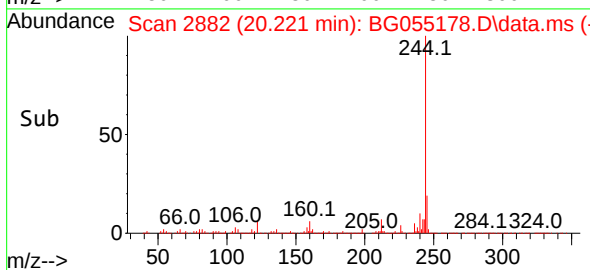
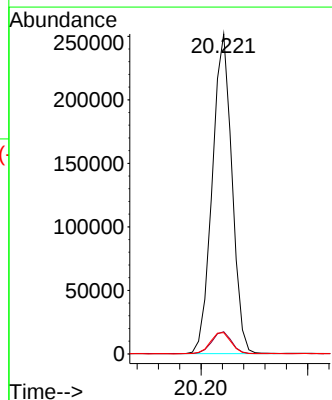
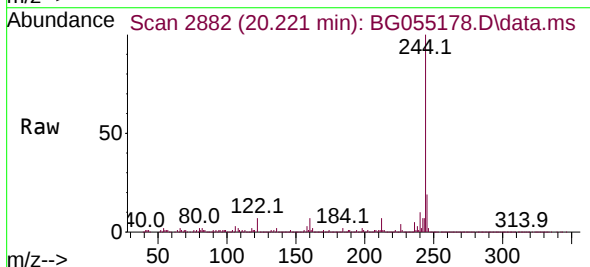
Manual Integrations
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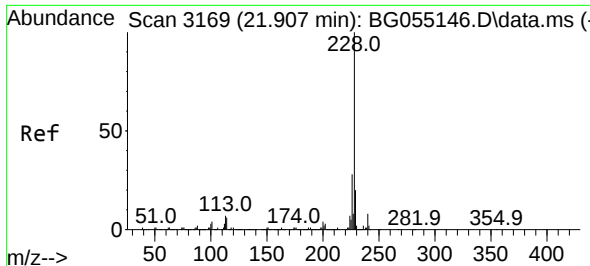
Reviewed By :Christian Giraldo 10/17/2022
Supervised By :mohammad ahmed 10/18/2022



#79
Terphenyl-d14
Concen: 29.704 ng
RT: 20.221 min Scan# 2882
Delta R.T. 0.006 min
Lab File: BG055178.D
Acq: 14 Oct 2022 14:52

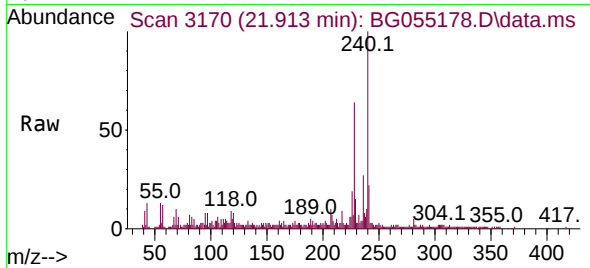
Tgt Ion:244 Resp: 322830
Ion Ratio Lower Upper
244 100
212 6.9 5.9 8.9
122 6.6 6.6 10.0#





#81
Benzo(a)anthracene
Concen: 2.464 ng
RT: 21.913 min Scan# 3169
Delta R.T. 0.006 min
Lab File: BG055178.D
Acq: 14 Oct 2022 14:52

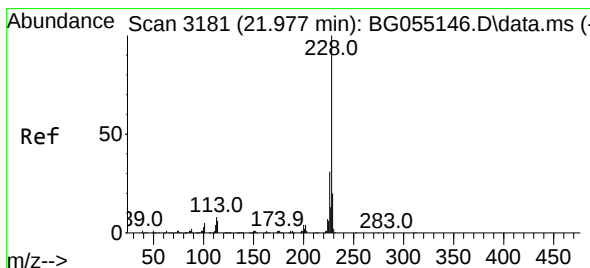
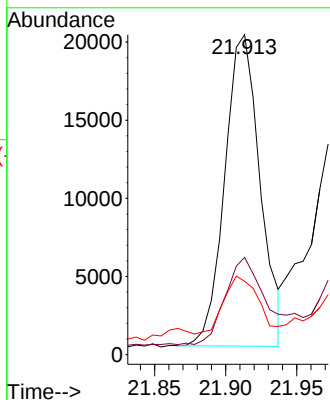
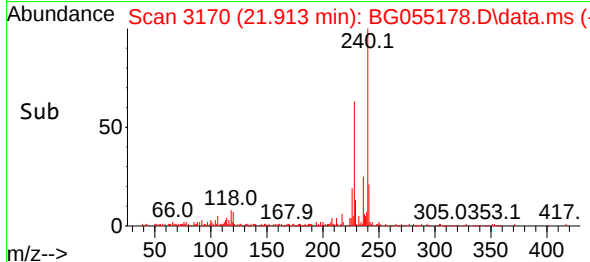
Instrument :
BNA_G
ClientSampleId :
CL-1-101122RE



Tgt Ion:228 Resp: 34504
Ion Ratio Lower Upper
228 100
226 30.4 22.6 34.0
229 22.9 16.2 24.4

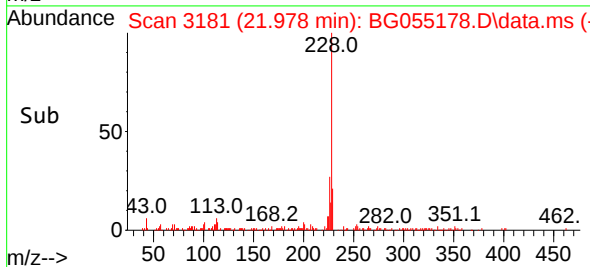
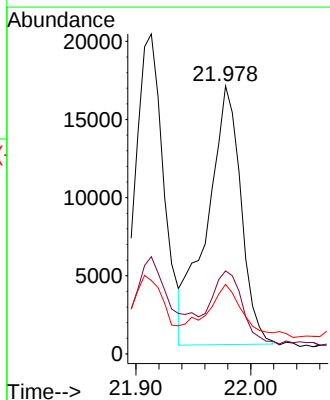
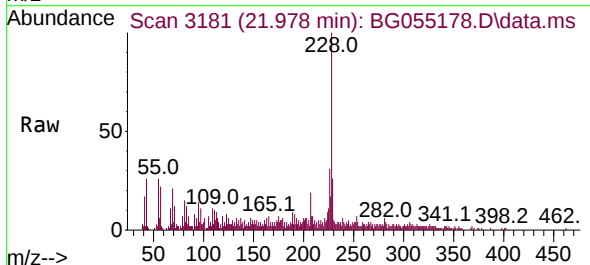
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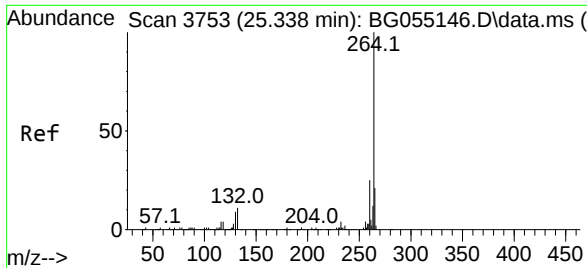
Reviewed By :Christian Giraldo 10/17/2022
Supervised By :mohammad ahmed 10/18/2022



#83
Chrysene
Concen: 2.576 ng m
RT: 21.978 min Scan# 3181
Delta R.T. 0.000 min
Lab File: BG055178.D
Acq: 14 Oct 2022 14:52

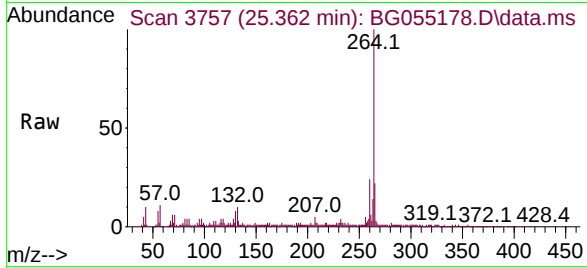
Tgt Ion:228 Resp: 34028
Ion Ratio Lower Upper
228 100
226 31.0 25.1 37.7
229 25.9 16.2 24.2#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.362 min Scan# 31
 Delta R.T. 0.024 min
 Lab File: BG055178.D
 Acq: 14 Oct 2022 14:52

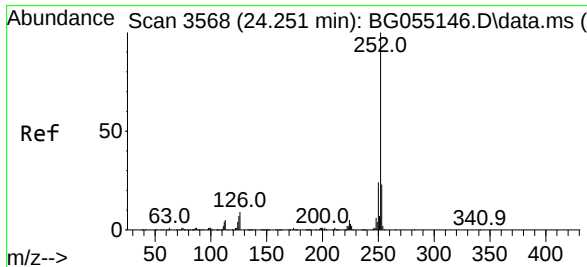
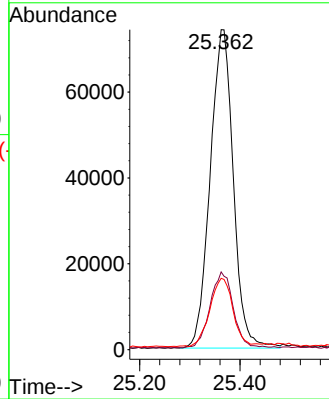
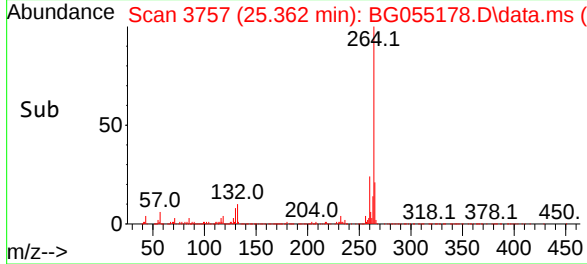
Instrument :
 BNA_G
 ClientSampleId :
 CL-1-101122RE



Tgt Ion:264 Resp: 23766
 Ion Ratio Lower Upper
 264 100
 260 24.3 20.1 30.1
 265 22.3 16.8 25.2

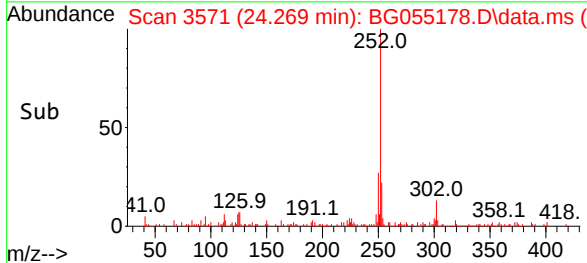
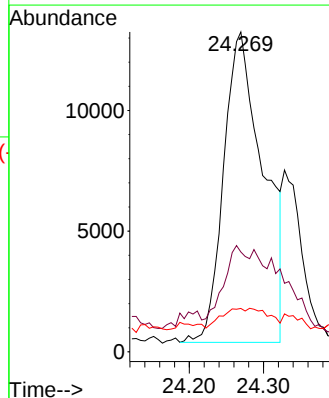
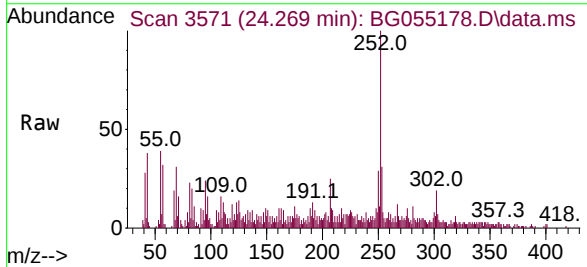
Manual Integrations
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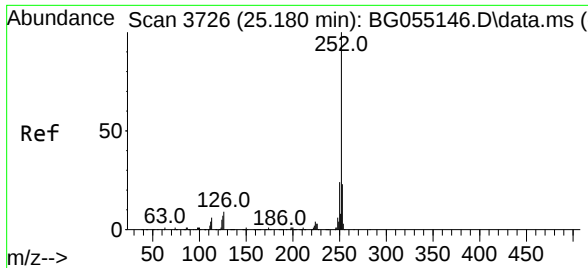
Reviewed By :Christian Giraldo 10/17/2022
 Supervised By :mohammad ahmed 10/18/2022



#88
 Benzo(b)fluoranthene
 Concen: 3.371 ng
 RT: 24.269 min Scan# 3571
 Delta R.T. 0.018 min
 Lab File: BG055178.D
 Acq: 14 Oct 2022 14:52

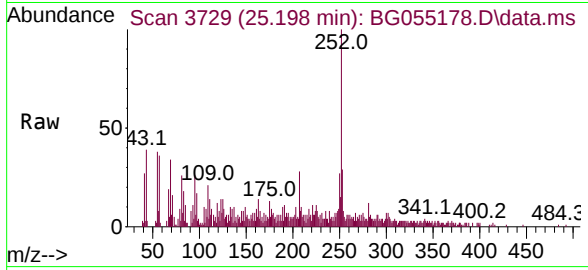
Tgt Ion:252 Resp: 47756
 Ion Ratio Lower Upper
 252 100
 253 31.2 18.2 27.2#
 125 13.6 5.7 8.5#





#90
 Benzo(a)pyrene
 Concen: 2.940 ng
 RT: 25.198 min Scan# 31
 Delta R.T. 0.018 min
 Lab File: BG055178.D
 Acq: 14 Oct 2022 14:52

Instrument :
 BNA_G
 ClientSampleId :
 CL-1-101122RE



Tgt Ion:	252	Resp:	3561
Ion Ratio	Lower	Upper	
252	100		
253	29.3	18.2	27.2
125	14.0	5.8	8.8

Manual Integrations
 APPROVED

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

