

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112023\
 Data File : BG059781.D
 Acq On : 20 Nov 2023 23:11
 Operator : MA/JU
 Sample : 05376-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 223

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/21/2023
 Supervised By :mohammad ahmed 11/21/2023

Quant Time: Nov 21 00:22:03 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 17 01:51:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.330	152	29255	20.000	ng	#-0.01
21) Naphthalene-d8	11.179	136	142191	20.000	ng	#-0.01
39) Acenaphthene-d10	14.963	164	107266	20.000	ng	0.00
64) Phenanthrene-d10	17.713	188	242587	20.000	ng	# 0.00
76) Chrysene-d12	22.043	240	180435	20.000	ng	# 0.00
86) Perylene-d12	25.633	264	202733	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.827	112	131798	75.828	ng	0.00
7) Phenol-d6	7.454	99	206503	80.173	ng	0.00
23) Nitrobenzene-d5	9.528	82	190230	51.095	ng	-0.01
42) 2,4,6-Tribromophenol	16.450	330	108996	89.556	ng	0.00
45) 2-Fluorobiphenyl	13.588	172	400324	50.235	ng	0.00
79) Terphenyl-d14	20.292	244	678313	55.497	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.232	128	24449	3.419	ng	# 94
49) Acenaphthylene	14.705	152	23533	2.386	ng	94
71) Phenanthrene	17.754	178	26981	2.188	ng	97
75) Fluoranthene	19.752	202	37688	2.548	ng	97
78) Pyrene	20.116	202	58816	4.791	ng	95
81) Benzo(a)anthracene	22.020	228	25949	2.102	ng	98
83) Chrysene	22.090	228	26569m	2.348	ng	
88) Benzo(b)fluoranthene	24.458	252	48978m	4.408	ng	
90) Benzo(a)pyrene	25.451	252	46245	3.900	ng	# 90

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

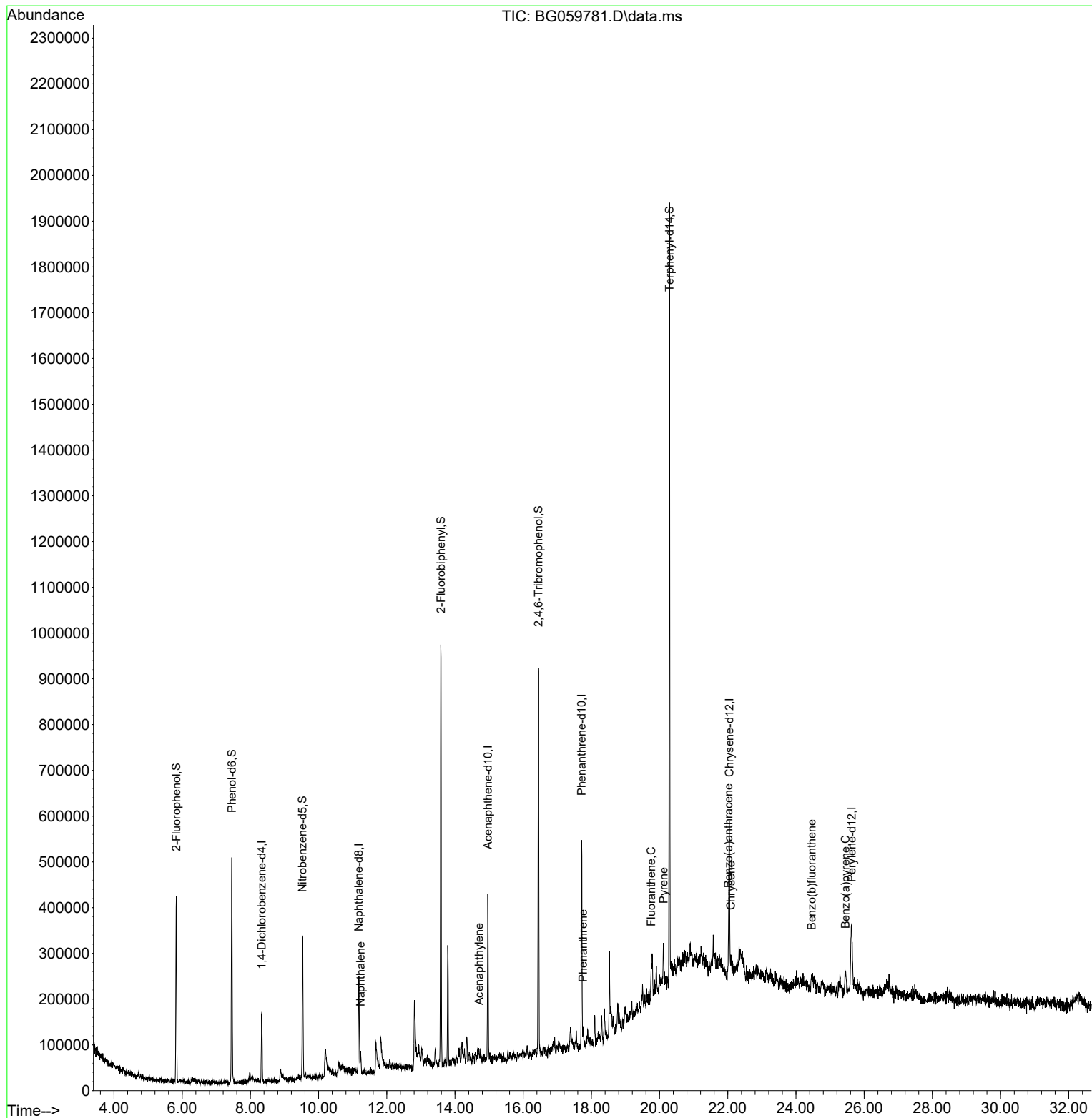
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112023\
Data File : BG059781.D
Acq On : 20 Nov 2023 23:11
Operator : MA/JU
Sample : 05376-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

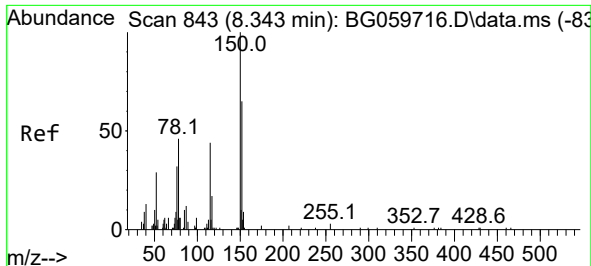
Instrument :
BNA_G
ClientSampleId :
223

Quant Time: Nov 21 00:22:03 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG11623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 17 01:51:38 2023
Response via : Initial Calibration

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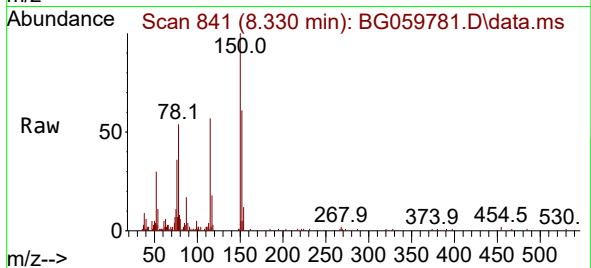
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.330 min Scan# 843
Delta R.T. -0.013 min
Lab File: BG059781.D
Acq: 20 Nov 2023 23:11

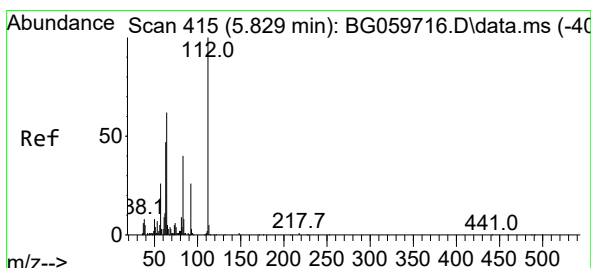
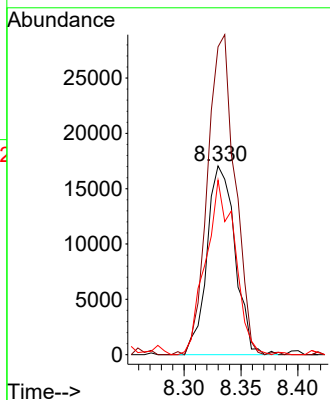
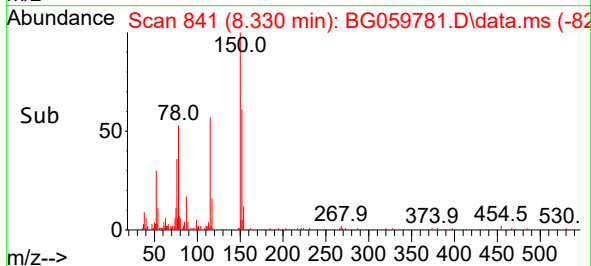
Instrument :
BNA_G
ClientSampleId :
223



Tgt Ion:152 Resp: 2925
Ion Ratio Lower Upper
152 100
150 163.1 122.2 183.4
115 92.4 54.2 81.4

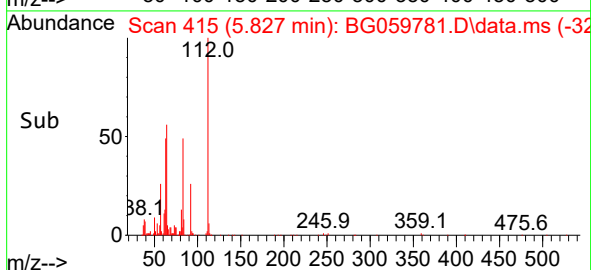
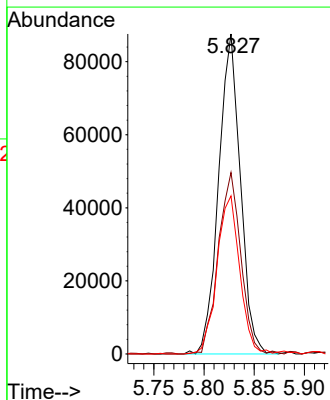
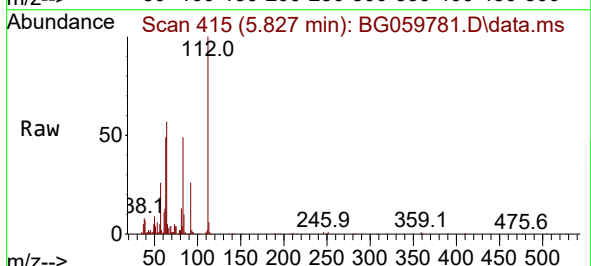
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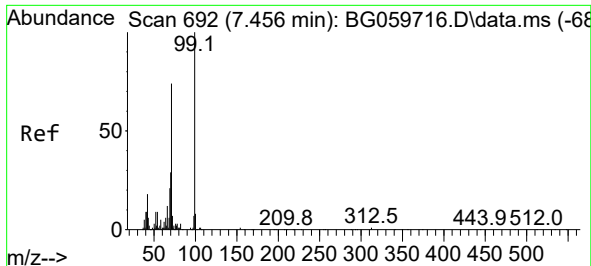
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023



#5
2-Fluorophenol
Concen: 75.828 ng
RT: 5.827 min Scan# 415
Delta R.T. -0.002 min
Lab File: BG059781.D
Acq: 20 Nov 2023 23:11

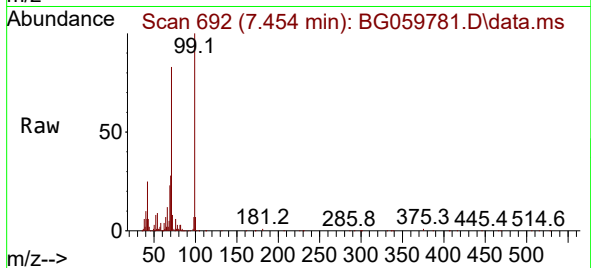
Tgt Ion:112 Resp: 131798
Ion Ratio Lower Upper
112 100
64 56.7 49.5 74.3
63 49.4 37.4 56.2





#7
Phenol-d6
Concen: 80.173 ng
RT: 7.454 min Scan# 692
Delta R.T. -0.002 min
Lab File: BG059781.D
Acq: 20 Nov 2023 23:11

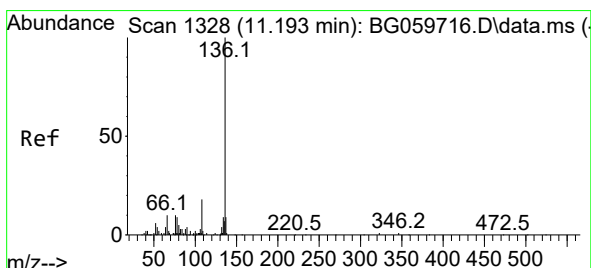
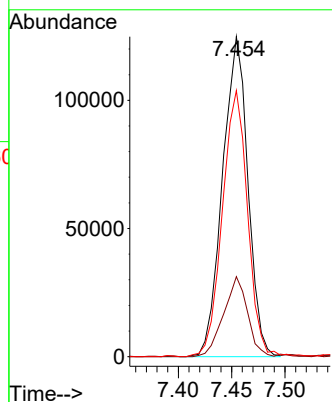
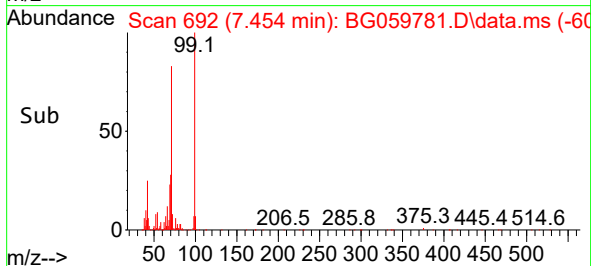
Instrument :
BNA_G
ClientSampleId :
223



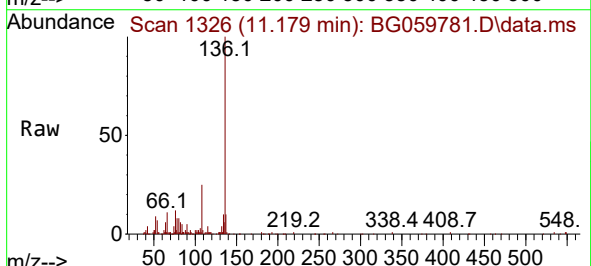
Tgt Ion: 99 Resp: 206500
Ion Ratio Lower Upper
99 100
42 25.0 14.3 21.5
71 83.2 59.3 88.9

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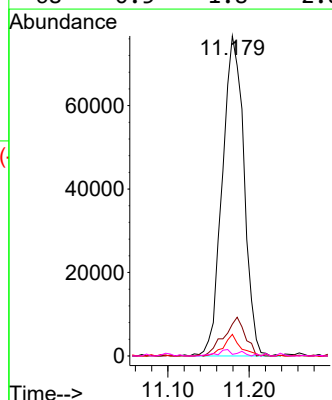
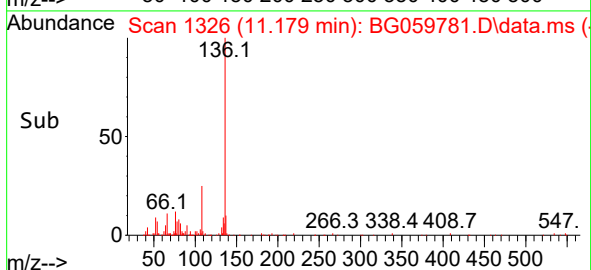
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023

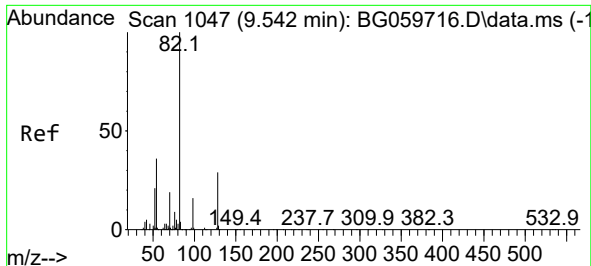


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.179 min Scan# 1326
Delta R.T. -0.014 min
Lab File: BG059781.D
Acq: 20 Nov 2023 23:11



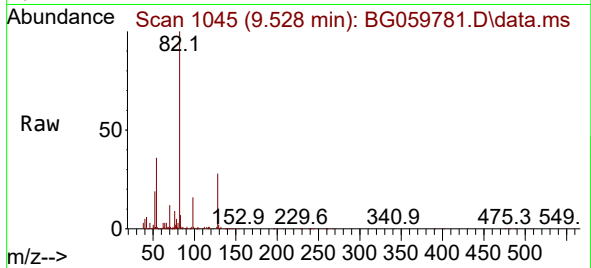
Tgt Ion:136 Resp: 142191
Ion Ratio Lower Upper
136 100
137 9.9 7.4 11.0
54 6.7 3.1 4.7#
68 0.5 1.8 2.8#





#23
Nitrobenzene-d5
Concen: 51.095 ng
RT: 9.528 min Scan# 1045
Delta R.T. -0.014 min
Lab File: BG059781.D
Acq: 20 Nov 2023 23:11

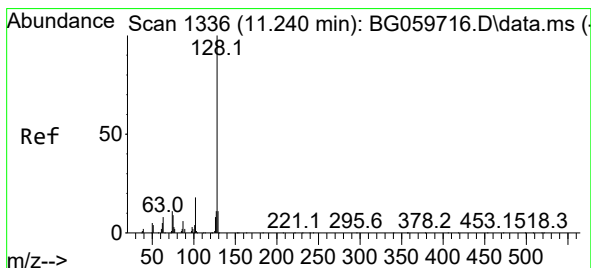
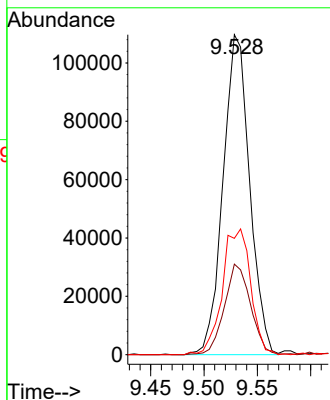
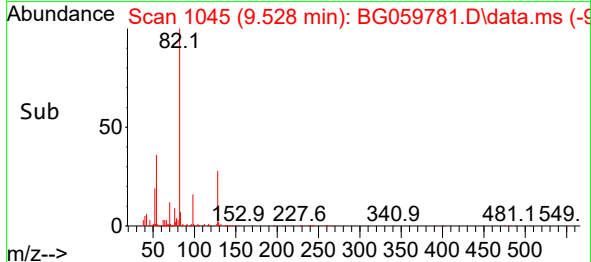
Instrument :
BNA_G
ClientSampleId :
223



Tgt Ion: 82 Resp: 190230
Ion Ratio Lower Upper
82 100
128 28.3 23.0 34.6
54 36.3 28.7 43.1

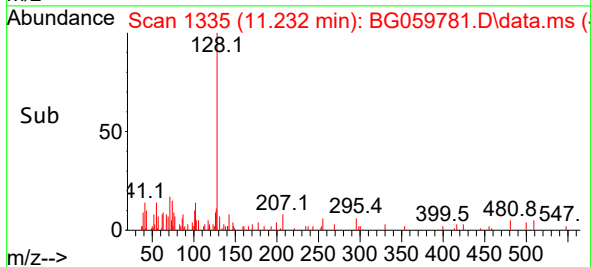
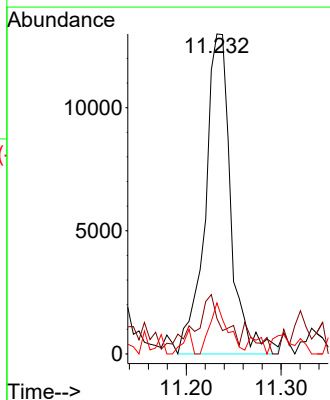
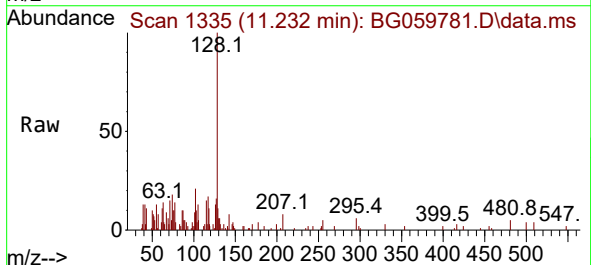
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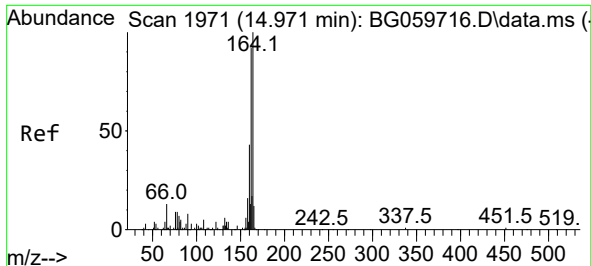
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023



#31
Naphthalene
Concen: 3.419 ng
RT: 11.232 min Scan# 1335
Delta R.T. -0.008 min
Lab File: BG059781.D
Acq: 20 Nov 2023 23:11

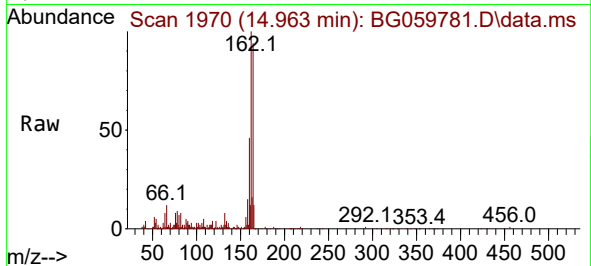
Tgt Ion:128 Resp: 24449
Ion Ratio Lower Upper
128 100
129 11.1 8.7 13.1
127 15.9 9.2 13.8#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.963 min Scan# 1971
Delta R.T. -0.008 min
Lab File: BG059781.D
Acq: 20 Nov 2023 23:11

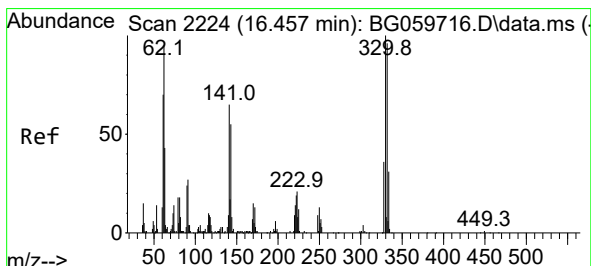
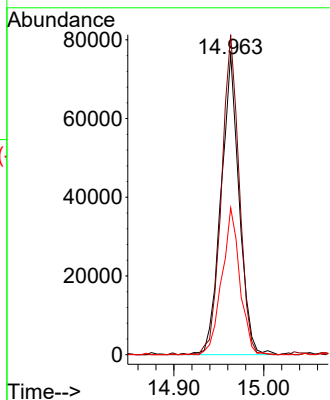
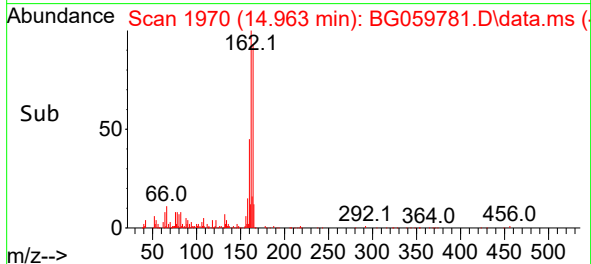
Instrument :
BNA_G
ClientSampleId :
223



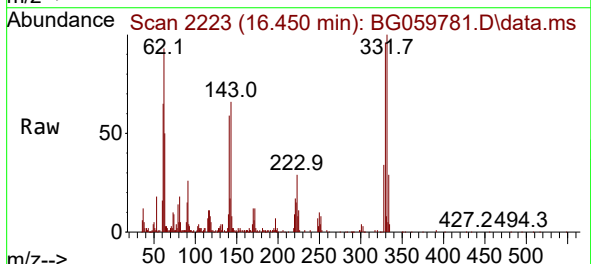
Tgt Ion:164 Resp: 107260
Ion Ratio Lower Upper
164 100
162 106.3 73.3 109.9
160 48.8 34.1 51.1

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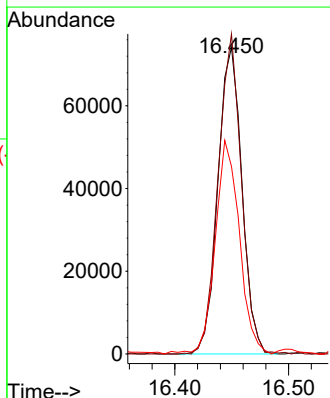
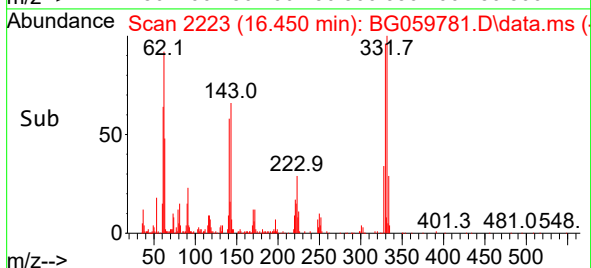
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023

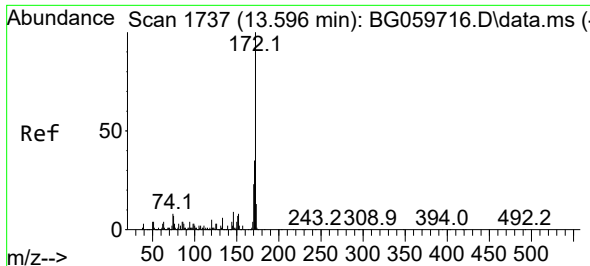


#42
2,4,6-Tribromophenol
Concen: 89.556 ng
RT: 16.450 min Scan# 2223
Delta R.T. -0.008 min
Lab File: BG059781.D
Acq: 20 Nov 2023 23:11



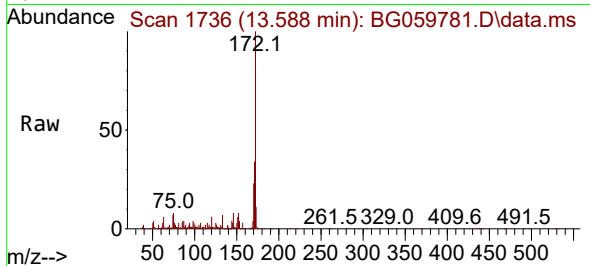
Tgt Ion:330 Resp: 108996
Ion Ratio Lower Upper
330 100
332 101.4 73.3 109.9
141 70.0 52.1 78.1





#45
2-Fluorobiphenyl
Concen: 50.235 ng
RT: 13.588 min Scan# 1736
Delta R.T. -0.008 min
Lab File: BG059781.D
Acq: 20 Nov 2023 23:11

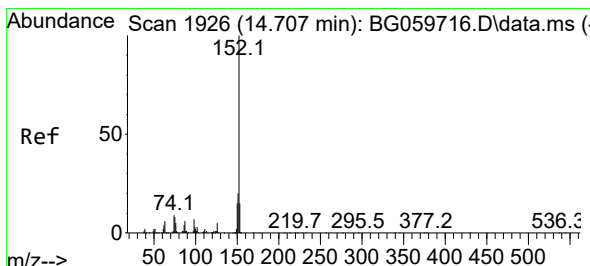
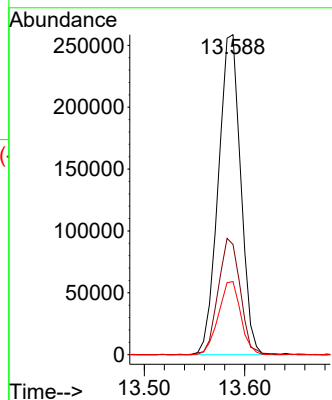
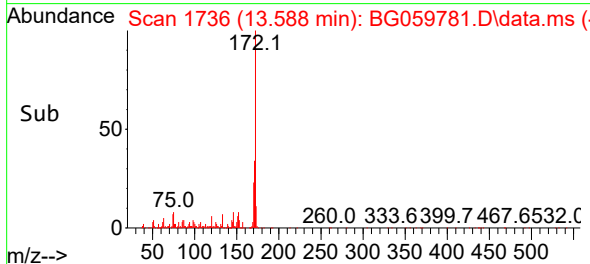
Instrument :
BNA_G
ClientSampleId :
223



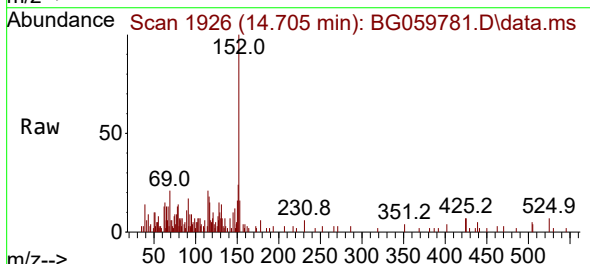
Tgt Ion:172 Resp: 400324
Ion Ratio Lower Upper
172 100
171 34.5 27.7 41.5
170 22.9 18.4 27.6

Manual Integrations
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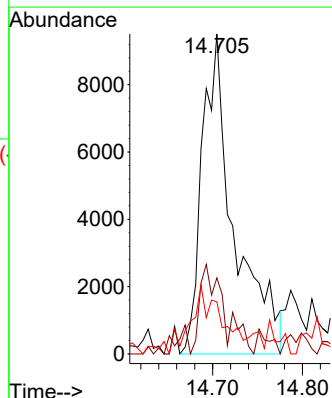
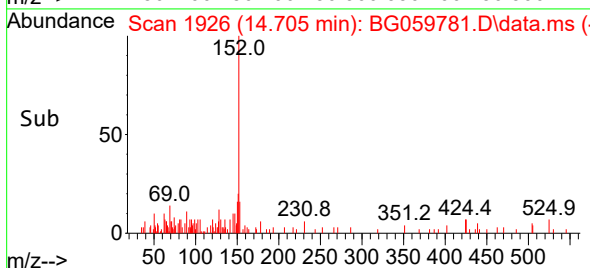
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023

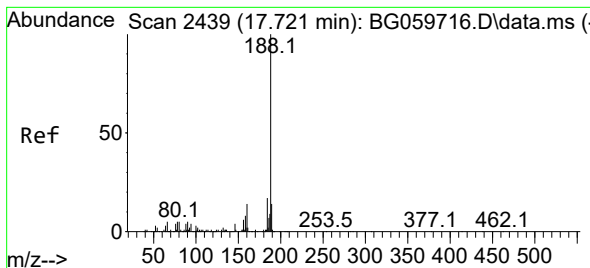


#49
Acenaphthylene
Concen: 2.386 ng
RT: 14.705 min Scan# 1926
Delta R.T. -0.002 min
Lab File: BG059781.D
Acq: 20 Nov 2023 23:11



Tgt Ion:152 Resp: 23533
Ion Ratio Lower Upper
152 100
151 23.7 15.8 23.8
153 16.3 12.2 18.4





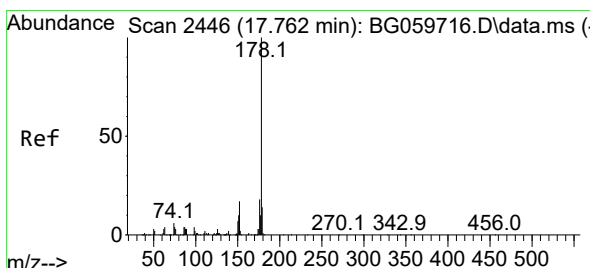
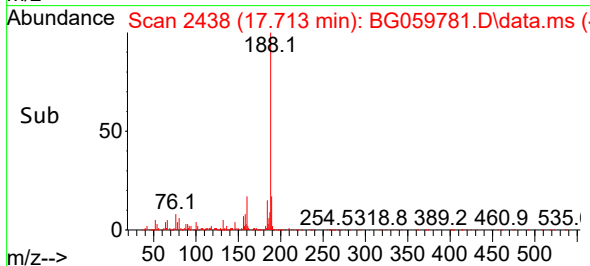
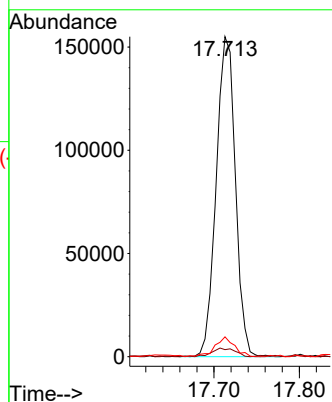
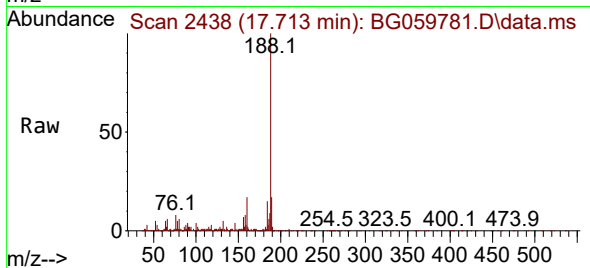
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.713 min Scan# 2438
Delta R.T. -0.008 min
Lab File: BG059781.D
Acq: 20 Nov 2023 23:11

Instrument :
BNA_G
ClientSampleId :
223

Tgt Ion:188 Resp: 24258
Ion Ratio Lower Upper
188 100
94 2.2 3.0 4.4
80 6.2 4.2 6.4

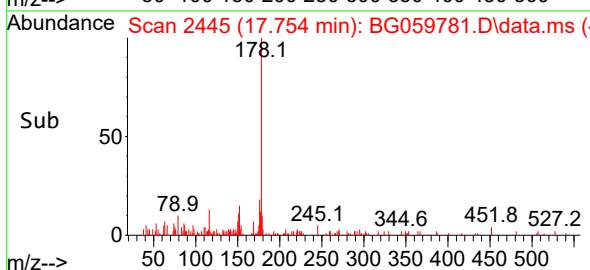
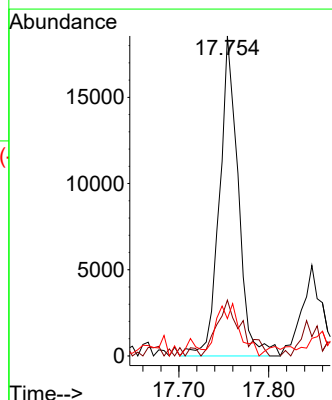
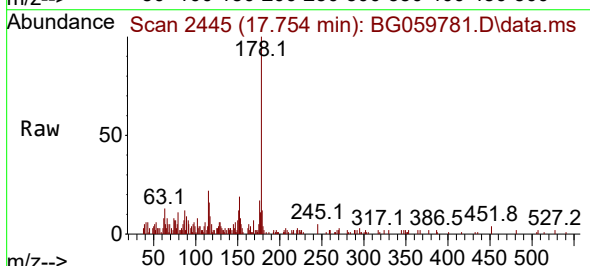
Manual Integrations
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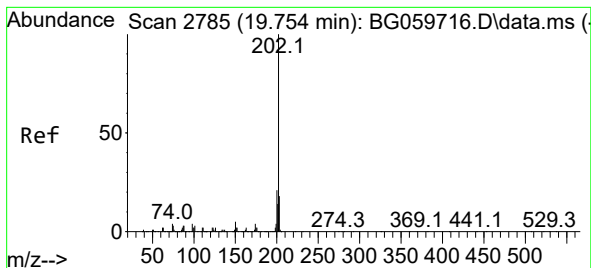
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023



#71
Phenanthrene
Concen: 2.188 ng
RT: 17.754 min Scan# 2445
Delta R.T. -0.008 min
Lab File: BG059781.D
Acq: 20 Nov 2023 23:11

Tgt Ion:178 Resp: 26981
Ion Ratio Lower Upper
178 100
176 17.5 14.5 21.7
179 11.7 11.2 16.8





#75

Fluoranthene

Concen: 2.548 ng

RT: 19.752 min Scan# 21

Delta R.T. -0.002 min

Lab File: BG059781.D

Acq: 20 Nov 2023 23:11

Instrument :

BNA_G

ClientSampleId :

223

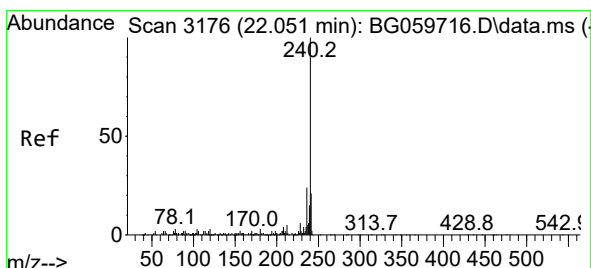
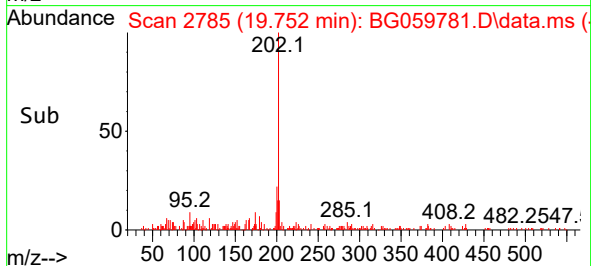
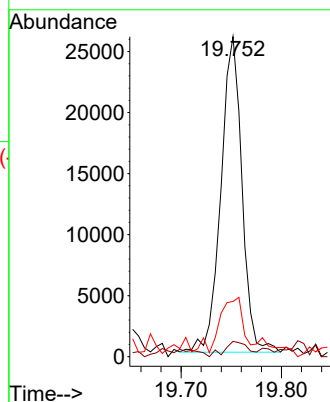
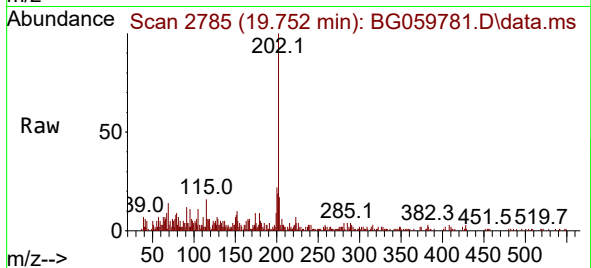
Tgt Ion:202	Resp:	3768
Ion Ratio	Lower	Upper
202	100	
101	4.8	0.0 22.7
203	17.3	0.0 38.2

Manual Integrations

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Reviewed By :Yogesh Patel 11/21/2023

Supervised By :mohammad ahmed 11/21/2023



#76

Chrysene-d12

Concen: 20.000 ng

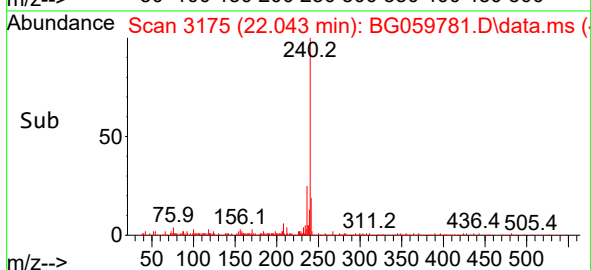
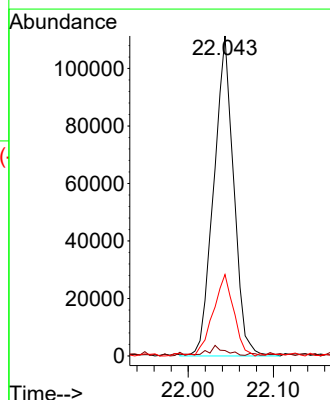
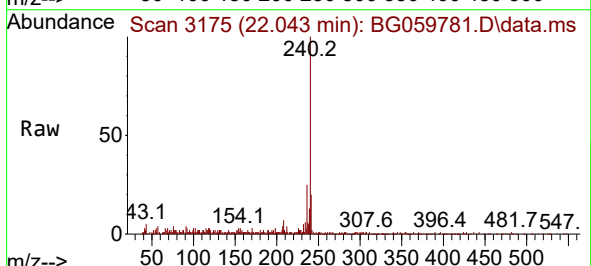
RT: 22.043 min Scan# 3175

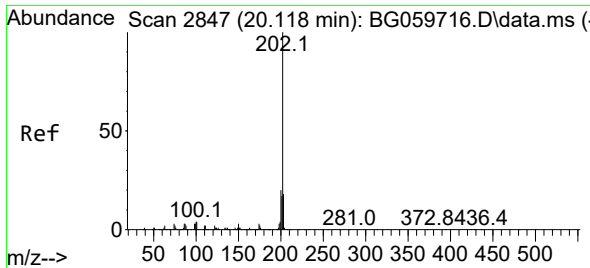
Delta R.T. -0.008 min

Lab File: BG059781.D

Acq: 20 Nov 2023 23:11

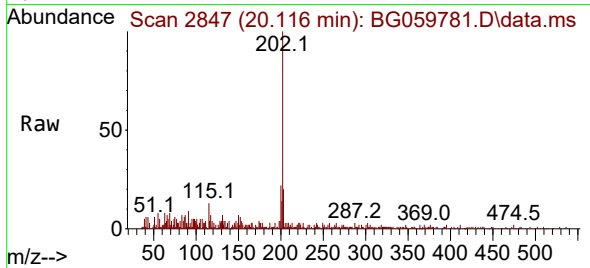
Tgt Ion:240	Resp:	180435
Ion Ratio	Lower	Upper
240	100	
120	1.7	2.2 3.2#
236	25.5	19.4 29.2





#78
Pyrene
Concen: 4.791 ng
RT: 20.116 min Scan# 2847
Delta R.T. -0.002 min
Lab File: BG059781.D
Acq: 20 Nov 2023 23:11

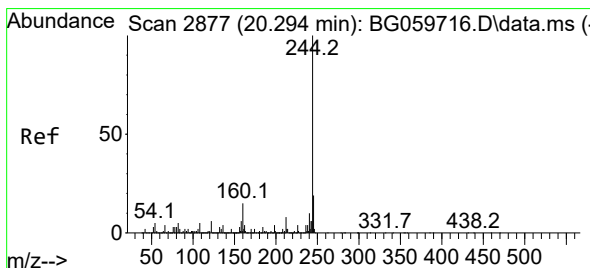
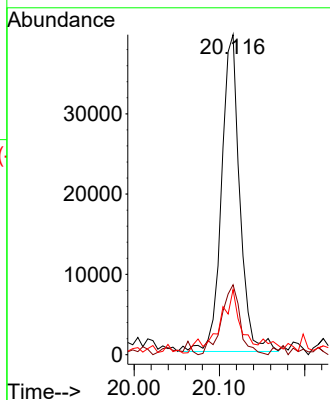
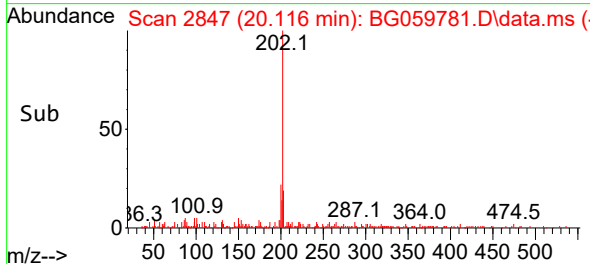
Instrument :
BNA_G
ClientSampleId :
223



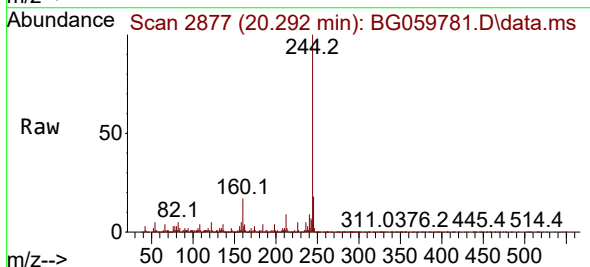
Tgt Ion:202 Resp: 58810
Ion Ratio Lower Upper
202 100
200 21.9 16.2 24.4
203 20.3 14.0 21.0

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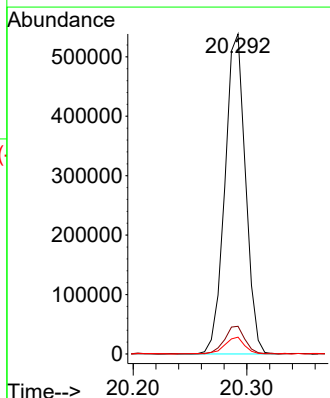
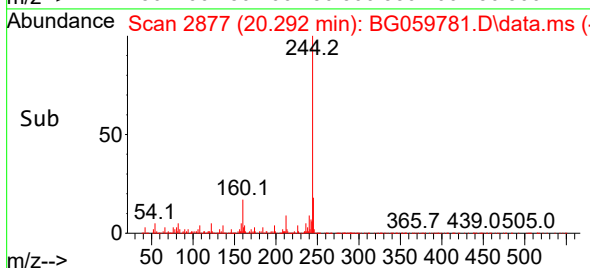
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023

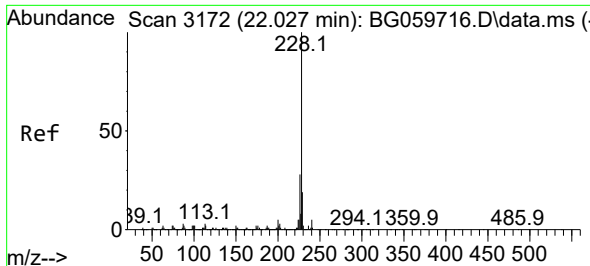


#79
Terphenyl-d14
Concen: 55.497 ng
RT: 20.292 min Scan# 2877
Delta R.T. -0.002 min
Lab File: BG059781.D
Acq: 20 Nov 2023 23:11



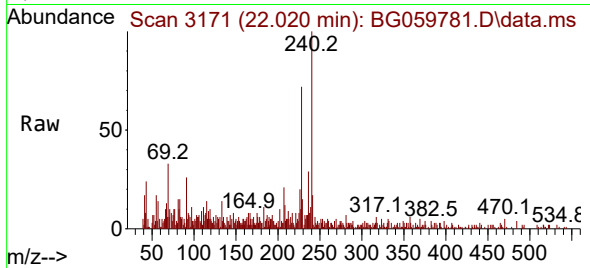
Tgt Ion:244 Resp: 678313
Ion Ratio Lower Upper
244 100
212 8.7 6.6 10.0
122 5.2 4.4 6.6





#81
Benzo(a)anthracene
Concen: 2.102 ng
RT: 22.020 min Scan# 3172
Delta R.T. -0.008 min
Lab File: BG059781.D
Acq: 20 Nov 2023 23:11

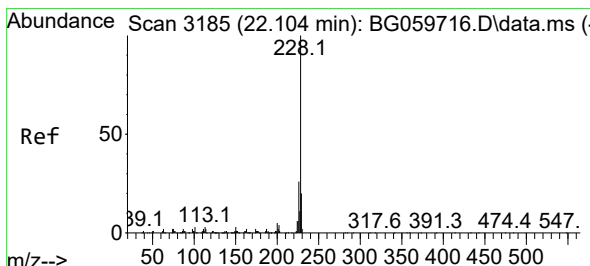
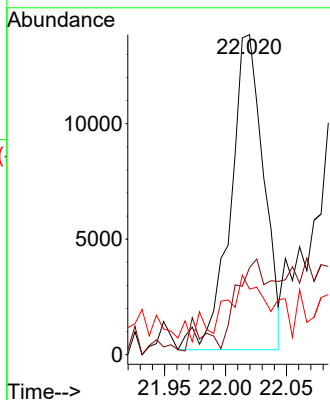
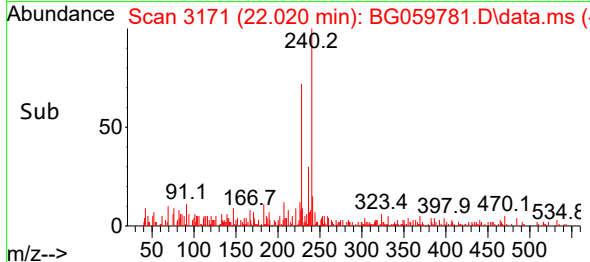
Instrument : BNA_G
ClientSampleId : 223



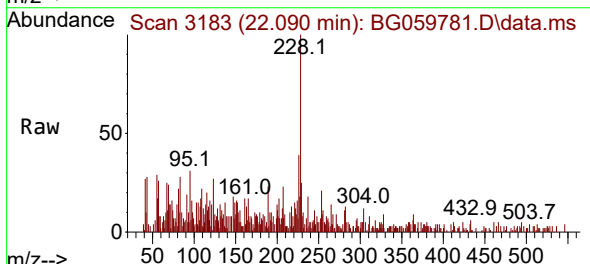
Tgt Ion:228 Resp: 25949
Ion Ratio Lower Upper
228 100
226 27.2 22.1 33.1
229 20.5 14.9 22.3

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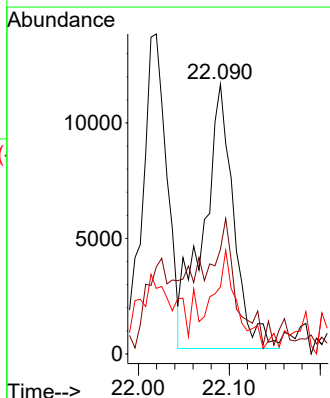
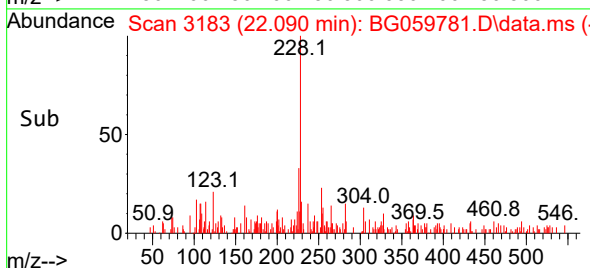
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023

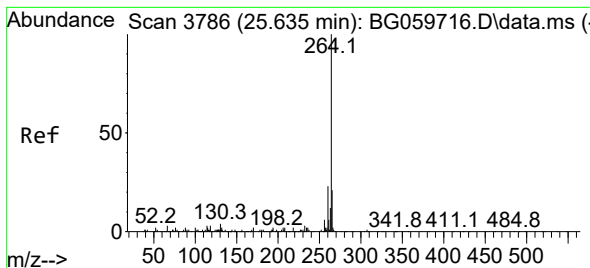


#83
Chrysene
Concen: 2.348 ng m
RT: 22.090 min Scan# 3183
Delta R.T. -0.014 min
Lab File: BG059781.D
Acq: 20 Nov 2023 23:11



Tgt Ion:228 Resp: 26569
Ion Ratio Lower Upper
228 100
226 38.8 21.1 31.7#
229 24.9 16.2 24.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.633 min Scan# 31

Delta R.T. -0.002 min

Lab File: BG059781.D

Acq: 20 Nov 2023 23:11

Instrument :

BNA_G

ClientSampleId :

223

Tgt Ion:264 Resp: 20273

Ion Ratio Lower Upper

264 100

260 19.5 18.5 27.7

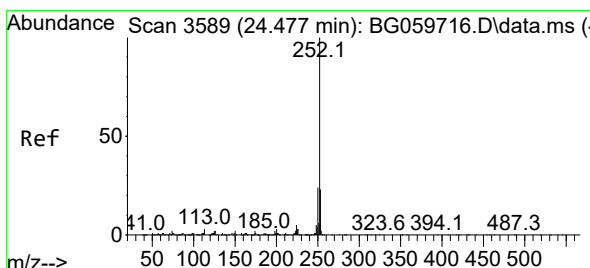
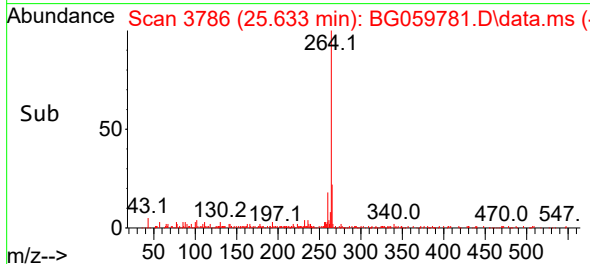
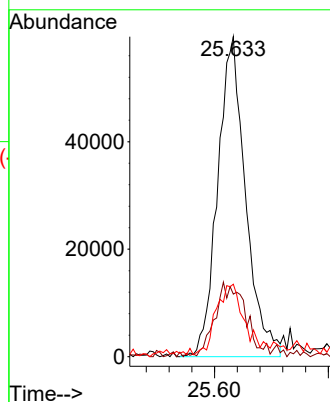
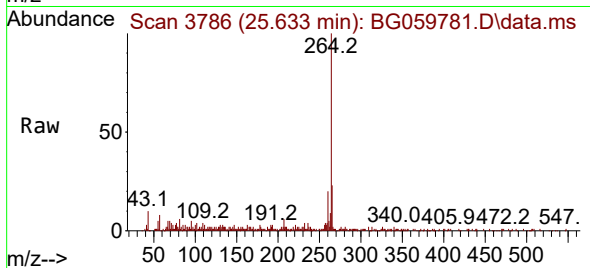
265 22.6 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/21/2023

Supervised By :mohammad ahmed 11/21/2023



#88

Benzo(b)fluoranthene

Concen: 4.408 ng m

RT: 24.458 min Scan# 3586

Delta R.T. -0.019 min

Lab File: BG059781.D

Acq: 20 Nov 2023 23:11

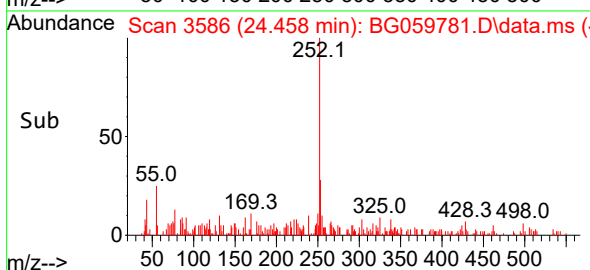
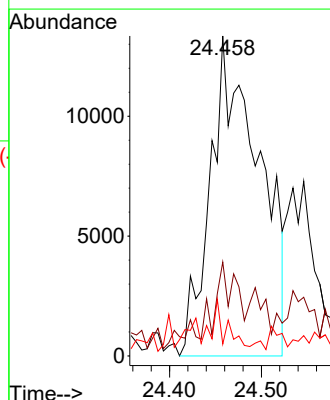
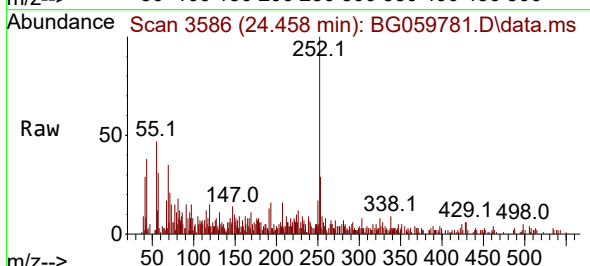
Tgt Ion:252 Resp: 48978

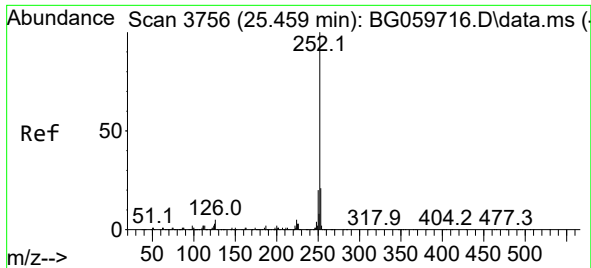
Ion Ratio Lower Upper

252 100

253 29.3 18.3 27.5#

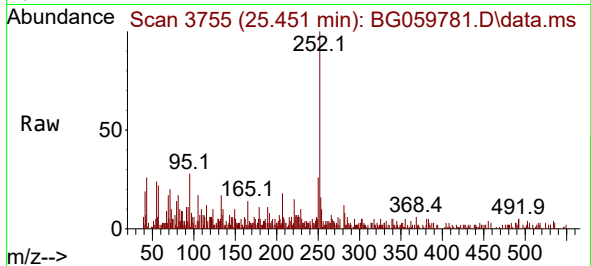
125 3.7 1.4 2.0#





#90
Benzo(a)pyrene
Concen: 3.900 ng
RT: 25.451 min Scan# 31
Delta R.T. -0.008 min
Lab File: BG059781.D
Acq: 20 Nov 2023 23:11

Instrument :
BNA_G
ClientSampleId :
223



Tgt Ion:252 Resp: 46245
Ion Ratio Lower Upper
252 100
253 16.0 16.8 25.2
125 2.5 2.0 3.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023

