

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112023\
 Data File : BG059780.D
 Acq On : 20 Nov 2023 22:30
 Operator : MA/JU
 Sample : 05376-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 210

Manual Integrations
 APPROVED

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

Quant Time: Nov 21 00:21:43 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	8.334	152	35503	20.000	ng	0.00
21) Naphthalene-d8	11.184	136	158798	20.000	ng	# 0.00
39) Acenaphthene-d10	14.962	164	110226	20.000	ng	0.00
64) Phenanthrene-d10	17.711	188	231829	20.000	ng	# 0.00
76) Chrysene-d12	22.042	240	170265	20.000	ng	# 0.00
86) Perylene-d12	25.626	264	189870	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.825	112	114424	54.247	ng	0.00
7) Phenol-d6	7.453	99	188980	60.458	ng	0.00
23) Nitrobenzene-d5	9.533	82	186268	44.799	ng	0.00
42) 2,4,6-Tribromophenol	16.448	330	93200	74.521	ng	0.00
45) 2-Fluorobiphenyl	13.581	172	358563	43.787	ng	-0.02
79) Terphenyl-d14	20.291	244	497637	43.147	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.758	178	56048	4.755	ng	# 89
75) Fluoranthene	19.750	202	154412	10.924	ng	97
78) Pyrene	20.114	202	167220	14.435	ng	98
81) Benzo(a)anthracene	22.018	228	98541	8.458	ng	97
83) Chrysene	22.094	228	97920m	9.169	ng	
87) Indeno(1,2,3-cd)pyrene	29.780	276	58621m	4.080	ng	
88) Benzo(b)fluoranthene	24.462	252	134196	12.895	ng	# 91
89) Benzo(k)fluoranthene	24.539	252	52809m	5.133	ng	
90) Benzo(a)pyrene	25.444	252	96324	8.673	ng	# 98
92) Benzo(g,h,i)perylene	31.102	276	58924m	5.109	ng	

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

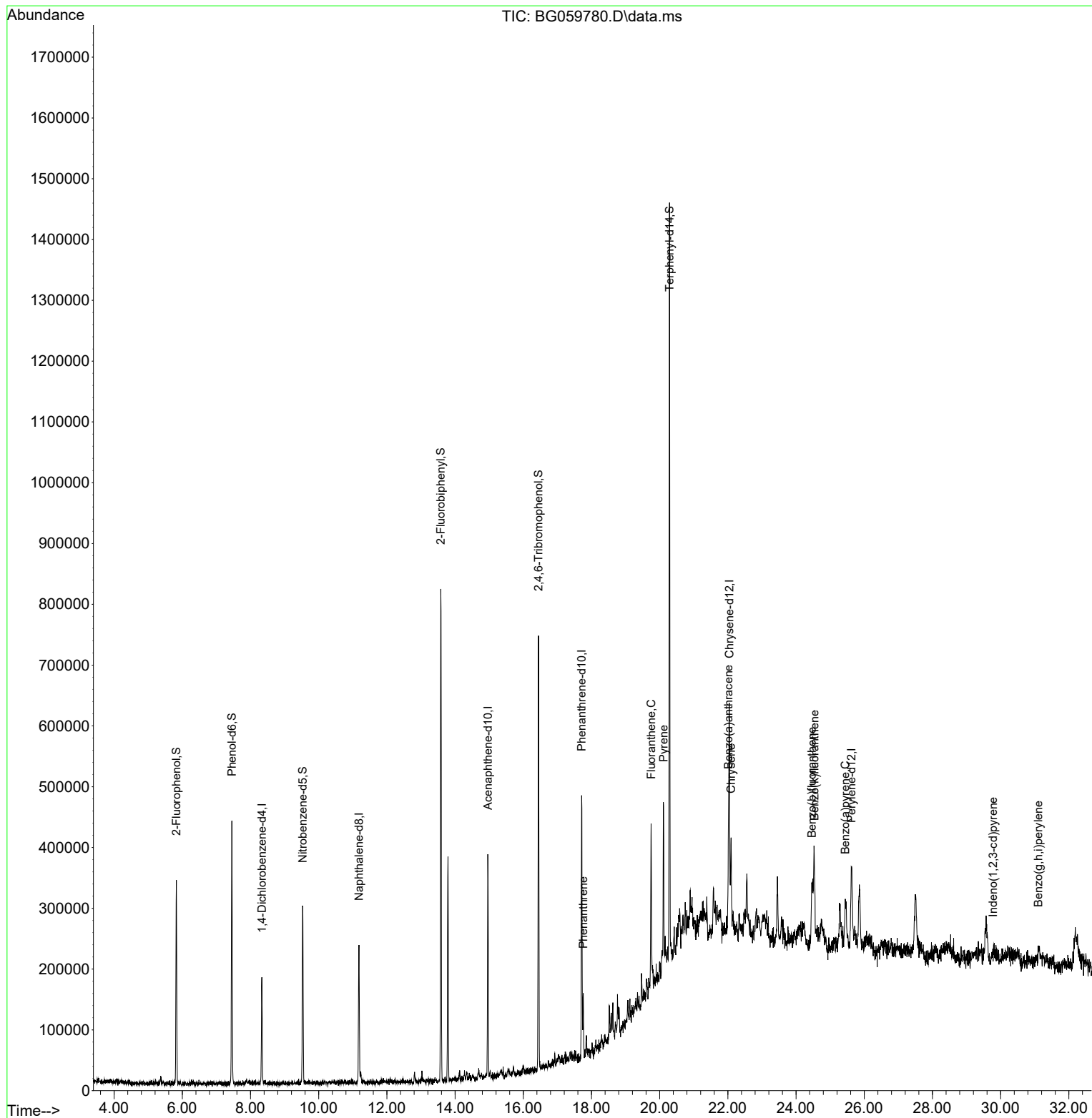
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112023\
Data File : BG059780.D
Acq On : 20 Nov 2023 22:30
Operator : MA/JU
Sample : 05376-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

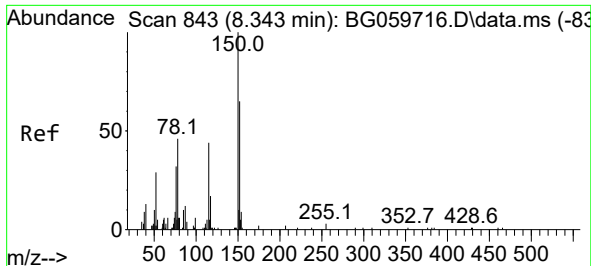
Instrument :
BNA_G
ClientSampleId :
210

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Supervised By :mohammad ahmed 11/21/2023

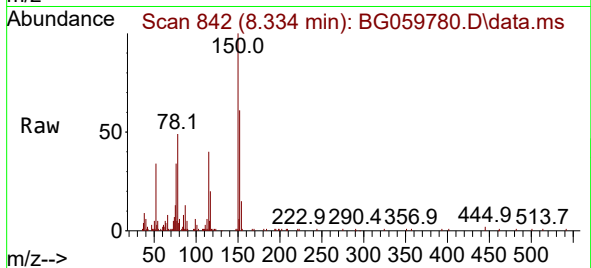
Quant Time: Nov 21 00:21:43 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 17 01:51:38 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.334 min Scan# 843
Delta R.T. -0.009 min
Lab File: BG059780.D
Acq: 20 Nov 2023 22:30

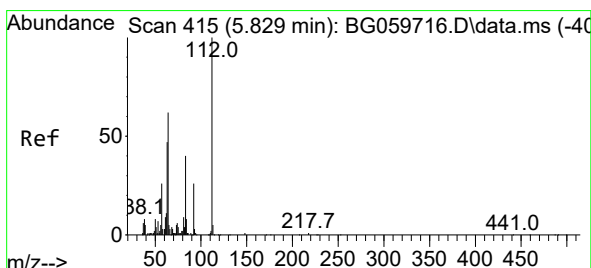
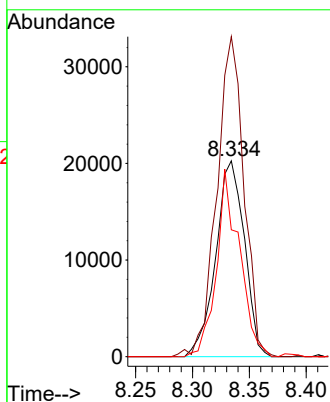
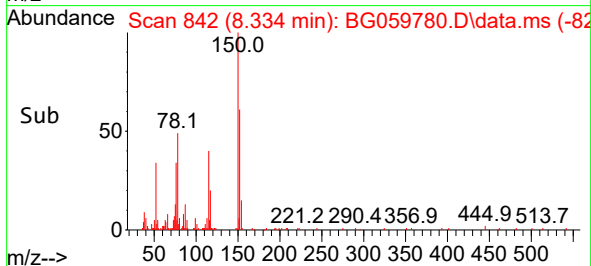
Instrument :
BNA_G
ClientSampleId :
210



Tgt Ion:152 Resp: 3550
Ion Ratio Lower Upper
152 100
150 163.4 122.2 183.4
115 64.8 54.2 81.4

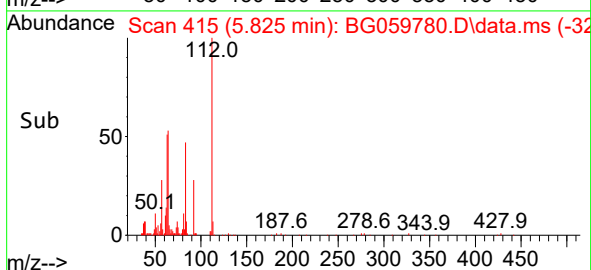
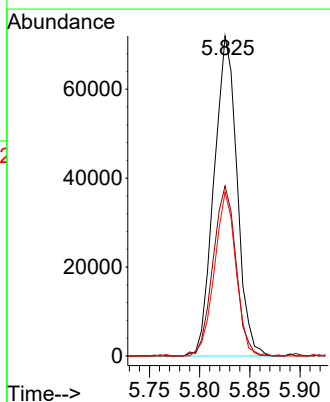
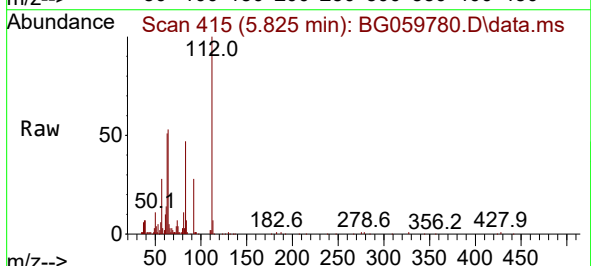
Manual Integrations
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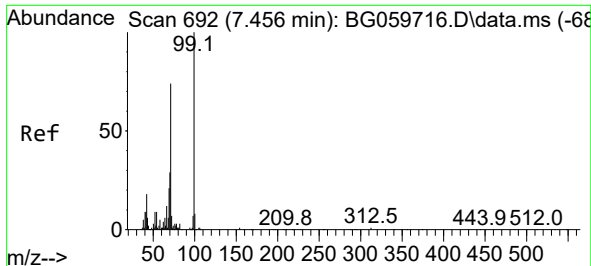
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023



#5
2-Fluorophenol
Concen: 54.247 ng
RT: 5.825 min Scan# 415
Delta R.T. -0.003 min
Lab File: BG059780.D
Acq: 20 Nov 2023 22:30

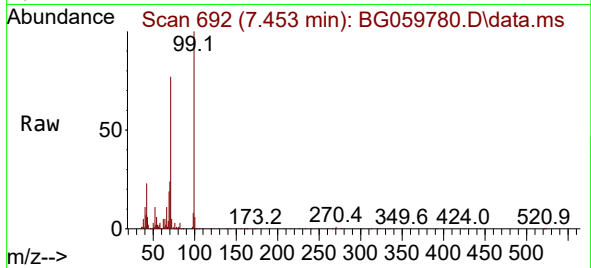
Tgt Ion:112 Resp: 114424
Ion Ratio Lower Upper
112 100
64 53.2 49.5 74.3
63 51.2 37.4 56.2





#7
Phenol-d6
Concen: 60.458 ng
RT: 7.453 min Scan# 692
Delta R.T. -0.003 min
Lab File: BG059780.D
Acq: 20 Nov 2023 22:30

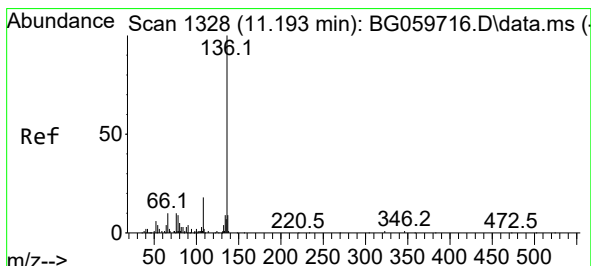
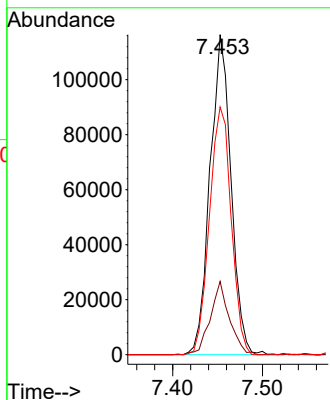
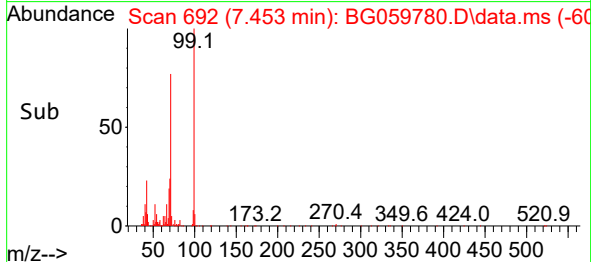
Instrument :
BNA_G
ClientSampleId :
210



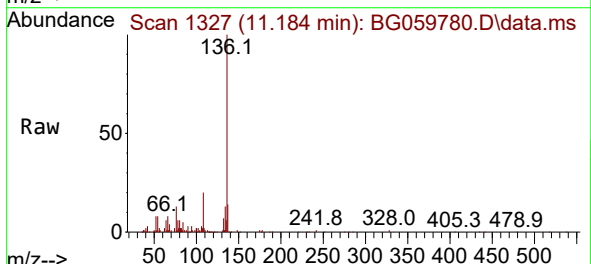
Tgt Ion: 99 Resp: 188980
Ion Ratio Lower Upper
99 100
42 22.9 14.3 21.5#
71 77.4 59.3 88.9

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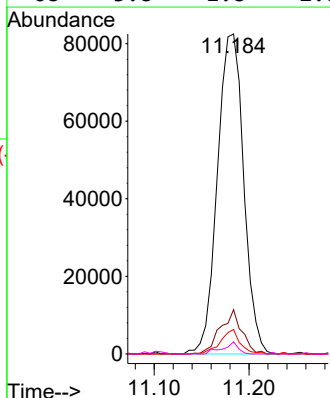
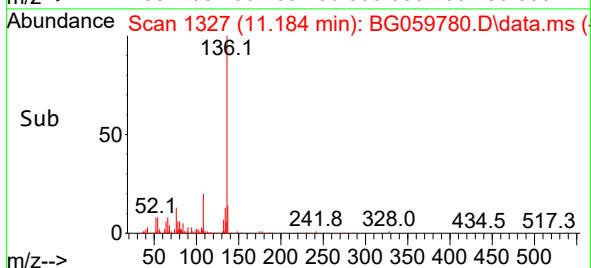
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023

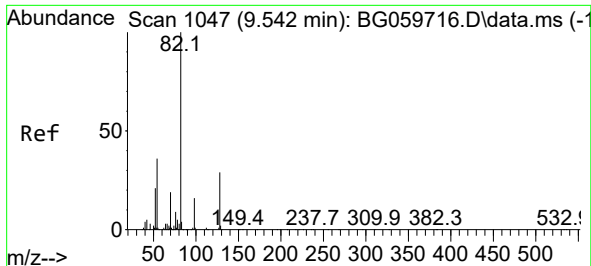


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.184 min Scan# 1327
Delta R.T. -0.009 min
Lab File: BG059780.D
Acq: 20 Nov 2023 22:30



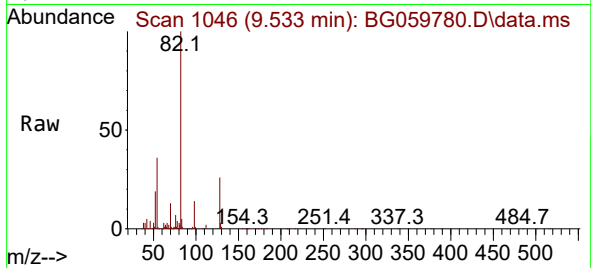
Tgt Ion:136 Resp: 158798
Ion Ratio Lower Upper
136 100
137 13.9 7.4 11.0#
54 7.6 3.1 4.7#
68 3.8 1.8 2.8#





#23
Nitrobenzene-d5
Concen: 44.799 ng
RT: 9.533 min Scan# 1046
Delta R.T. -0.009 min
Lab File: BG059780.D
Acq: 20 Nov 2023 22:30

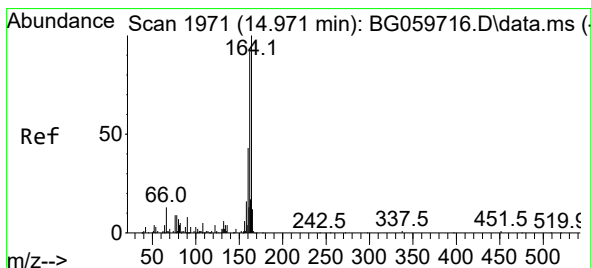
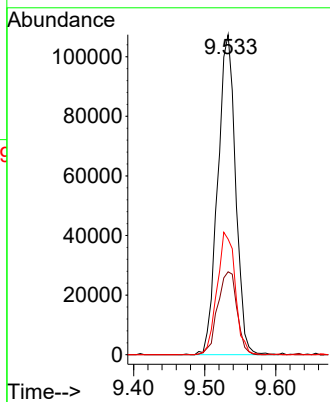
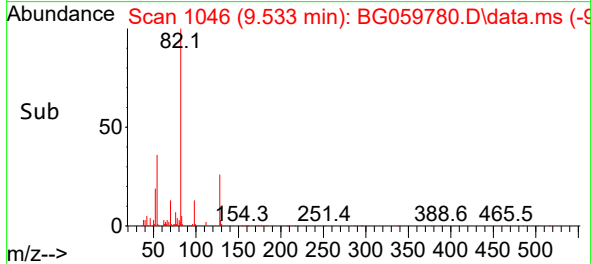
Instrument :
BNA_G
ClientSampleId :
210



Tgt Ion: 82 Resp: 186268
Ion Ratio Lower Upper
82 100
128 25.9 23.0 34.6
54 36.1 28.7 43.1

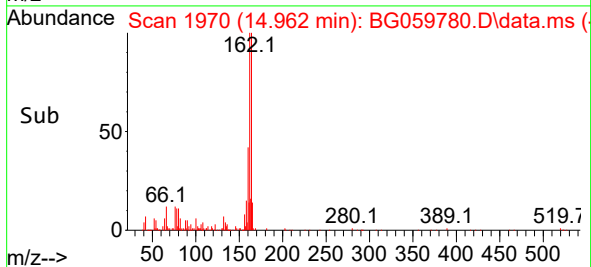
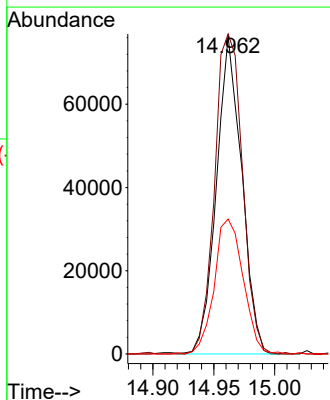
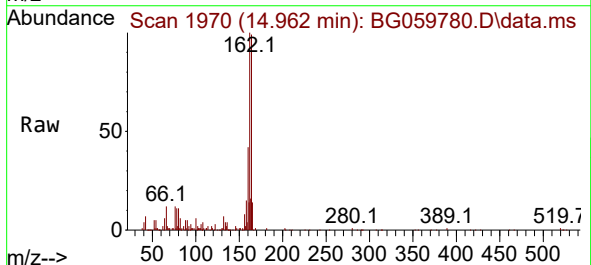
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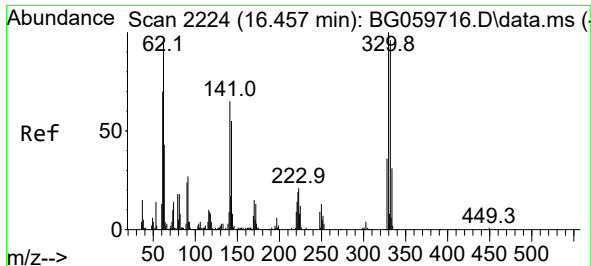
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.962 min Scan# 1970
Delta R.T. -0.009 min
Lab File: BG059780.D
Acq: 20 Nov 2023 22:30

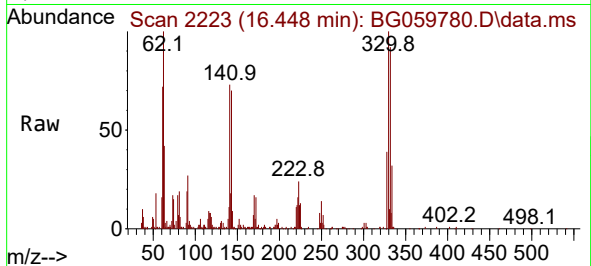
Tgt Ion:164 Resp: 110226
Ion Ratio Lower Upper
164 100
162 100.7 73.3 109.9
160 42.4 34.1 51.1





#42
2,4,6-Tribromophenol
Concen: 74.521 ng
RT: 16.448 min Scan# 210
Delta R.T. -0.009 min
Lab File: BG059780.D
Acq: 20 Nov 2023 22:30

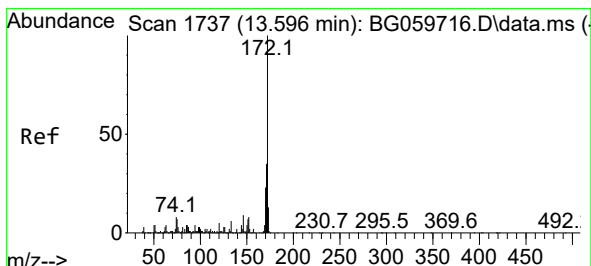
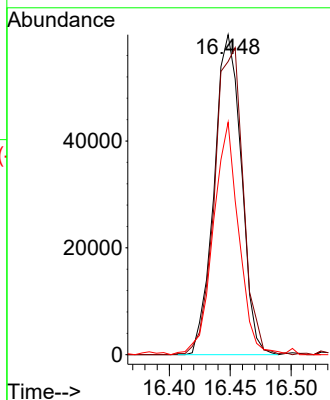
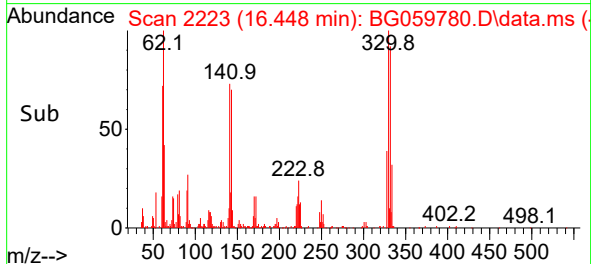
Instrument :
BNA_G
ClientSampleId :
210



Tgt Ion:330 Resp: 93200
Ion Ratio Lower Upper
330 100
332 100.8 73.3 109.9
141 68.0 52.1 78.1

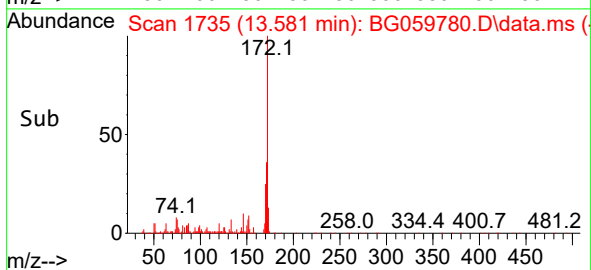
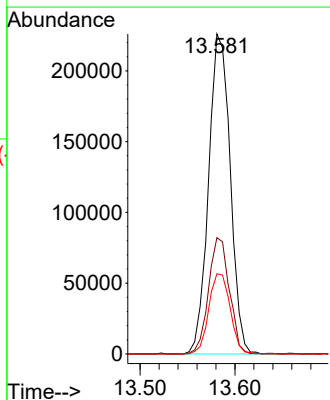
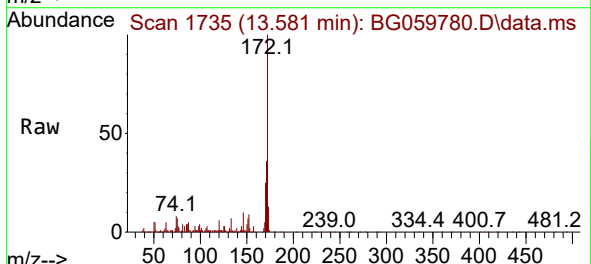
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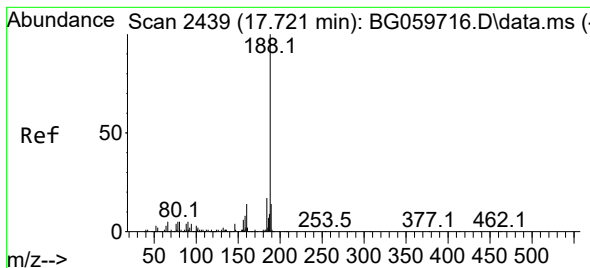
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023



#45
2-Fluorobiphenyl
Concen: 43.787 ng
RT: 13.581 min Scan# 1735
Delta R.T. -0.015 min
Lab File: BG059780.D
Acq: 20 Nov 2023 22:30

Tgt Ion:172 Resp: 358563
Ion Ratio Lower Upper
172 100
171 36.3 27.7 41.5
170 25.1 18.4 27.6





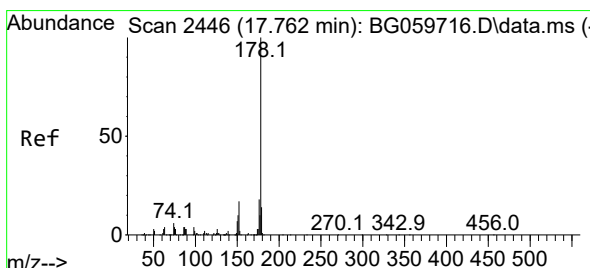
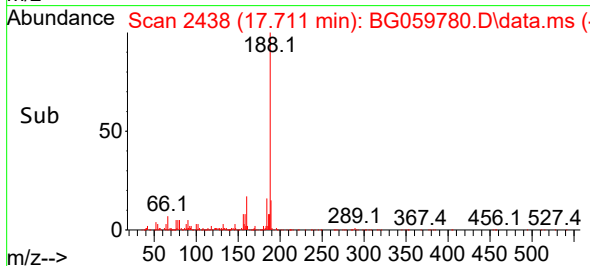
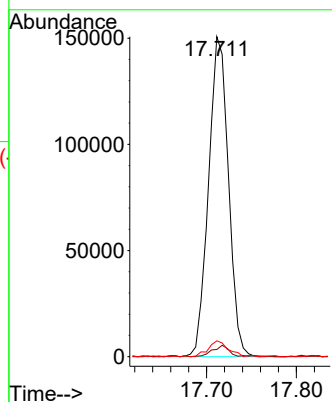
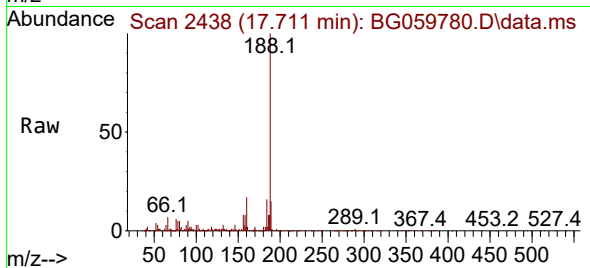
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.711 min Scan# 2438
Delta R.T. -0.009 min
Lab File: BG059780.D
Acq: 20 Nov 2023 22:30

Instrument :
BNA_G
ClientSampleId :
210

Tgt Ion:188 Resp: 231829
Ion Ratio Lower Upper
188 100
94 2.3 3.0 4.4#
80 5.0 4.2 6.4#

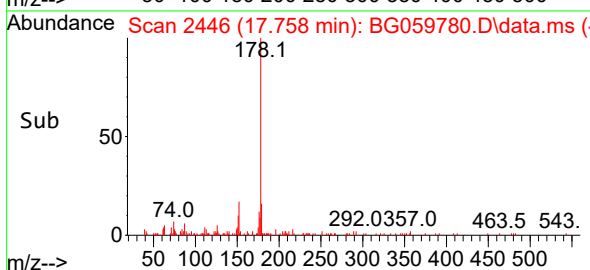
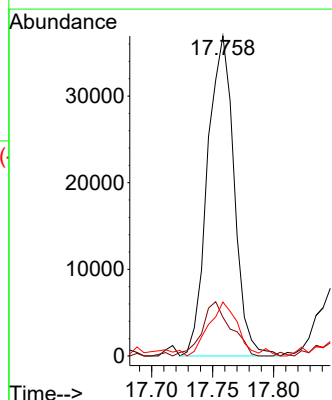
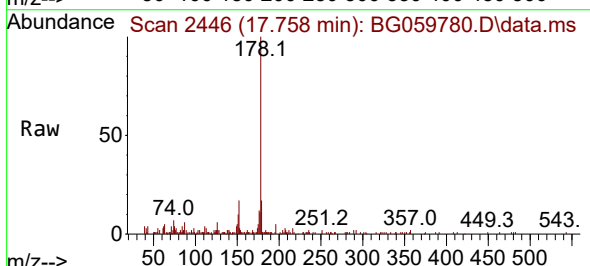
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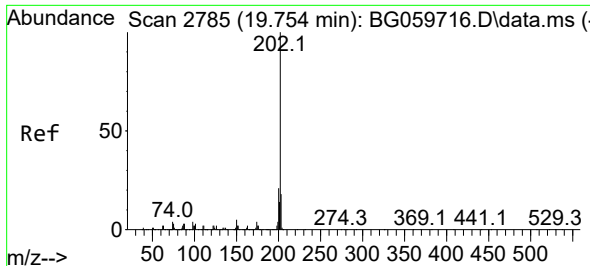
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023



#71
Phenanthrene
Concen: 4.755 ng
RT: 17.758 min Scan# 2446
Delta R.T. -0.003 min
Lab File: BG059780.D
Acq: 20 Nov 2023 22:30

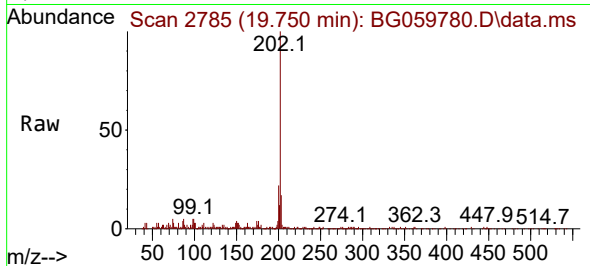
Tgt Ion:178 Resp: 56048
Ion Ratio Lower Upper
178 100
176 12.1 14.5 21.7#
179 16.9 11.2 16.8#





#75
Fluoranthene
Concen: 10.924 ng
RT: 19.750 min Scan# 210
Delta R.T. -0.003 min
Lab File: BG059780.D
Acq: 20 Nov 2023 22:30

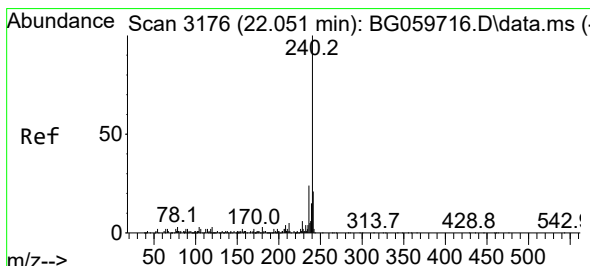
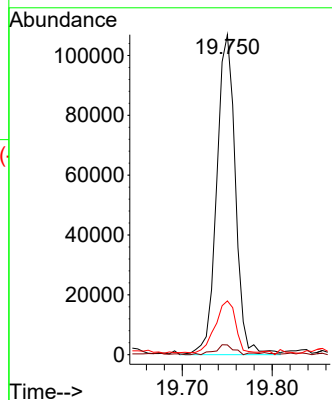
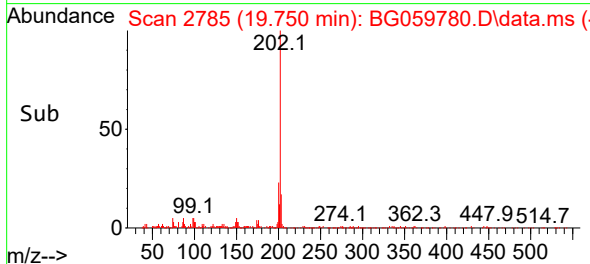
Instrument :
BNA_G
ClientSampleId :
210



Tgt Ion:202 Resp: 15441
Ion Ratio Lower Upper
202 100
101 3.1 0.0 22.7
203 16.8 0.0 38.2

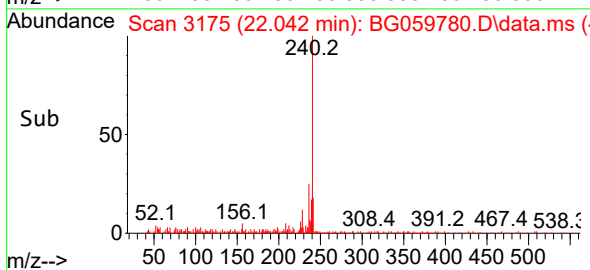
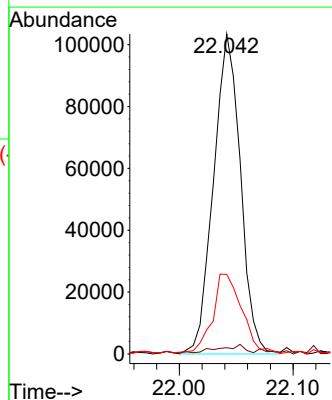
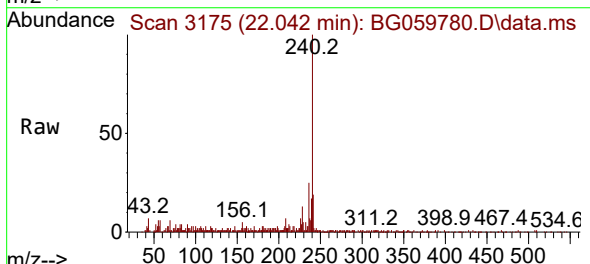
Manual Integrations
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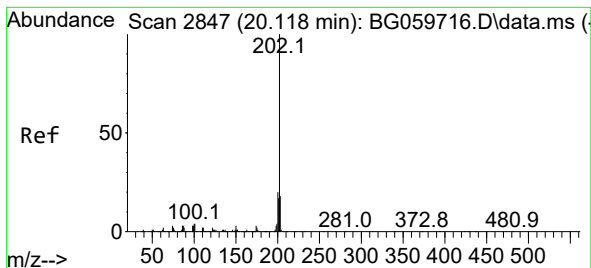
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.042 min Scan# 3175
Delta R.T. -0.009 min
Lab File: BG059780.D
Acq: 20 Nov 2023 22:30

Tgt Ion:240 Resp: 170265
Ion Ratio Lower Upper
240 100
120 2.0 2.2 3.2#
236 24.8 19.4 29.2





#78

Pyrene

Concen: 14.435 ng

RT: 20.114 min Scan# 2847

Delta R.T. -0.003 min

Lab File: BG059780.D

Acq: 20 Nov 2023 22:30

Instrument :

BNA_G

ClientSampleId :

210

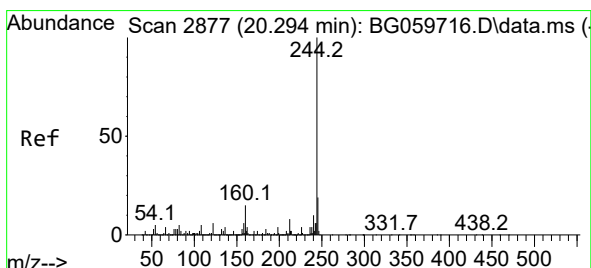
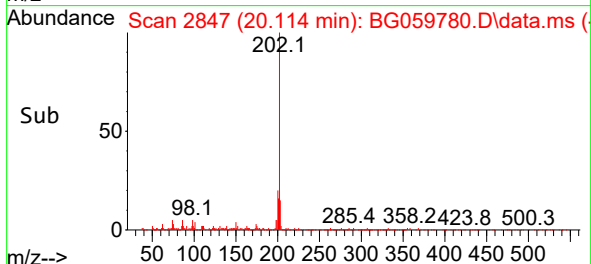
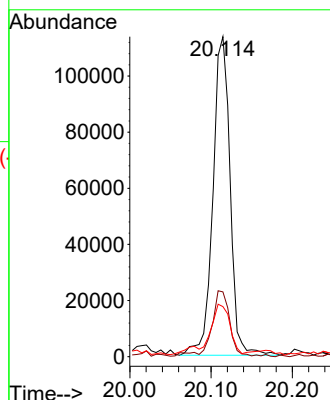
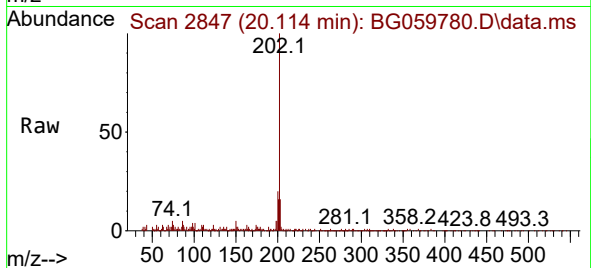
Tgt Ion:	202	Resp:	167220
Ion Ratio	Lower	Upper	
202	100		
200	20.3	16.2	24.4
203	15.6	14.0	21.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/21/2023

Supervised By :mohammad ahmed 11/21/2023



#79

Terphenyl-d14

Concen: 43.147 ng

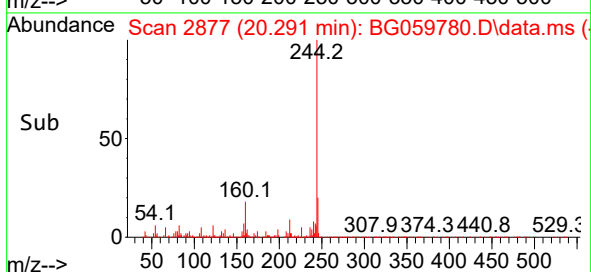
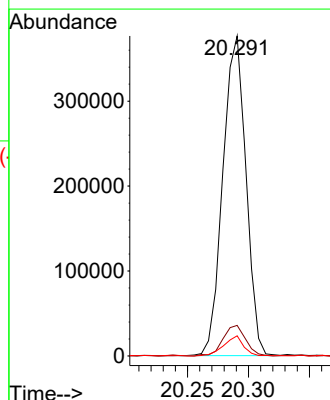
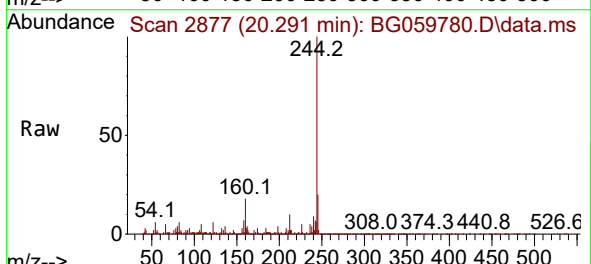
RT: 20.291 min Scan# 2877

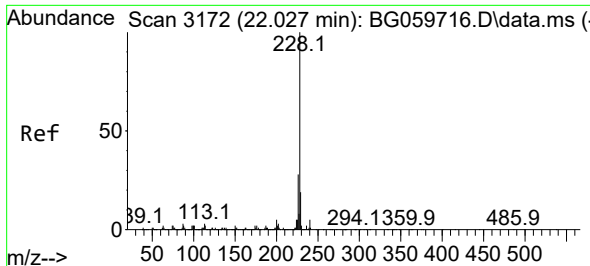
Delta R.T. -0.003 min

Lab File: BG059780.D

Acq: 20 Nov 2023 22:30

Tgt Ion:	244	Resp:	497637
Ion Ratio	Lower	Upper	
244	100		
212	9.5	6.6	10.0
122	6.3	4.4	6.6





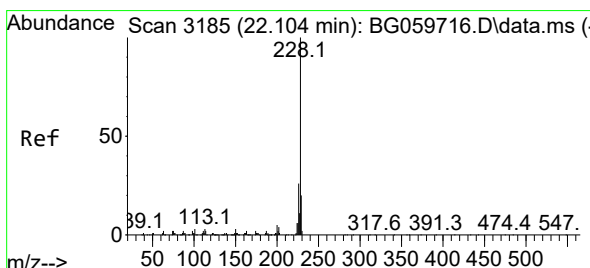
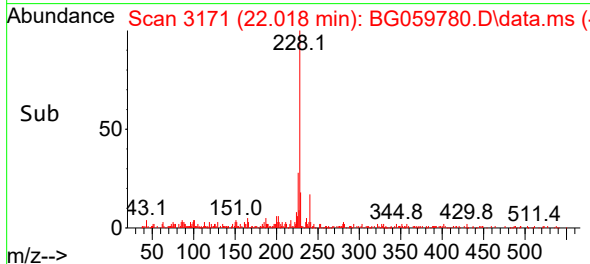
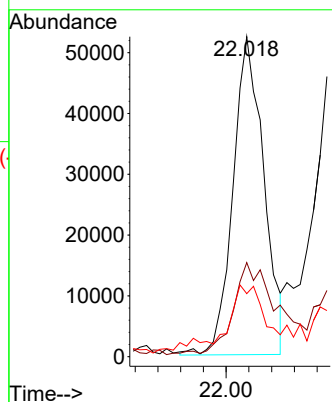
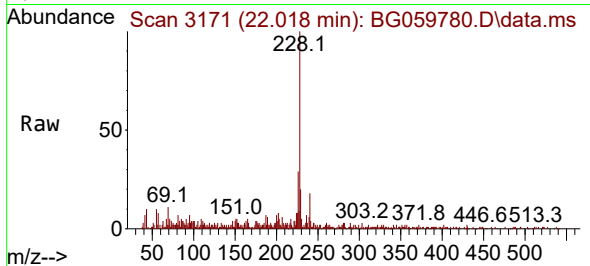
#81
Benzo(a)anthracene
Concen: 8.458 ng
RT: 22.018 min Scan# 3172
Delta R.T. -0.009 min
Lab File: BG059780.D
Acq: 20 Nov 2023 22:30

Instrument : BNA_G
ClientSampleId : 210

Tgt Ion:228 Resp: 9854
Ion Ratio Lower Upper
228 100
226 29.4 22.1 33.1
229 19.7 14.9 22.3

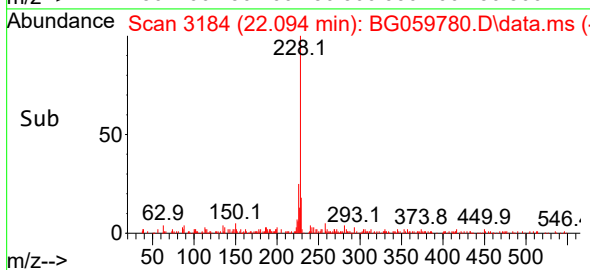
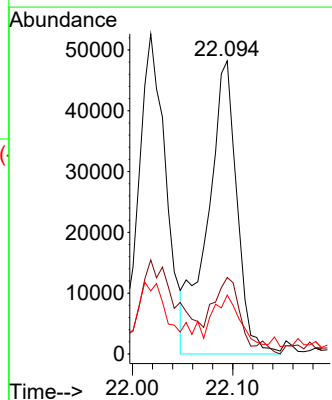
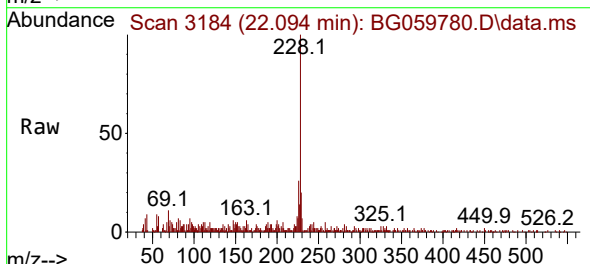
Manual Integrations
APPROVED

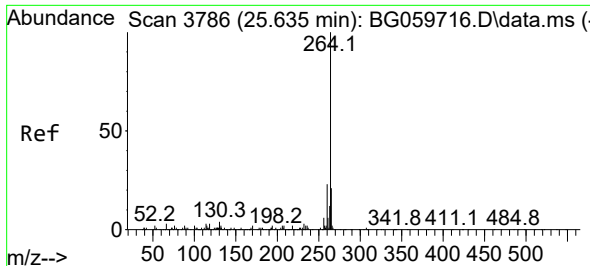
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023



#83
Chrysene
Concen: 9.169 ng m
RT: 22.094 min Scan# 3184
Delta R.T. -0.009 min
Lab File: BG059780.D
Acq: 20 Nov 2023 22:30

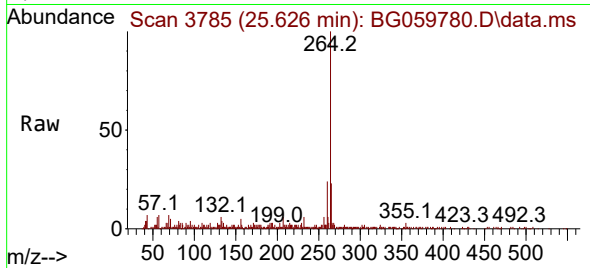
Tgt Ion:228 Resp: 97920
Ion Ratio Lower Upper
228 100
226 26.1 21.1 31.7
229 20.1 16.2 24.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.626 min Scan# 31
Delta R.T. -0.009 min
Lab File: BG059780.D
Acq: 20 Nov 2023 22:30

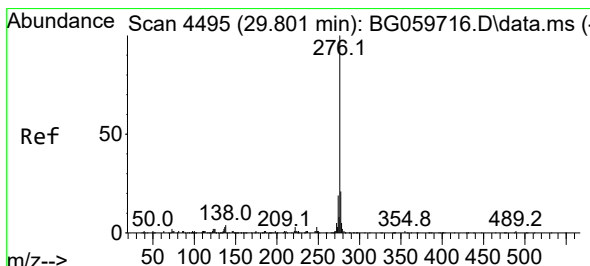
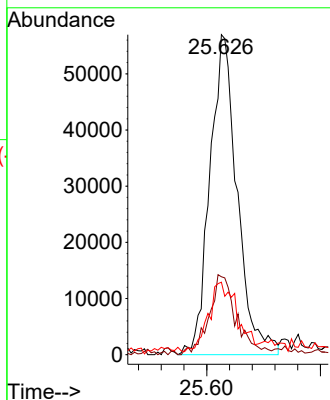
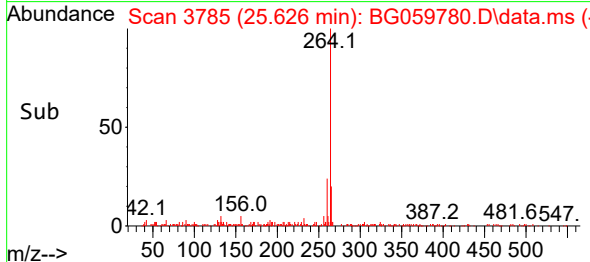
Instrument :
BNA_G
ClientSampleId :
210



Tgt Ion:264 Resp: 189870
Ion Ratio Lower Upper
264 100
260 24.4 18.5 27.7
265 22.6 17.0 25.6

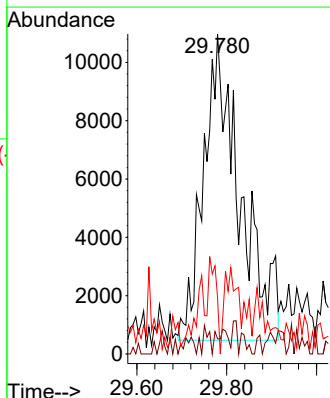
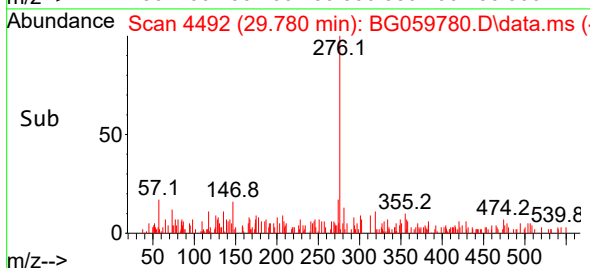
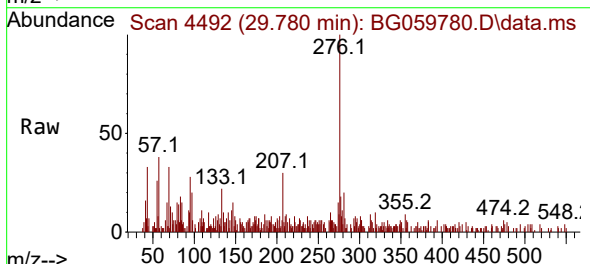
Manual Integrations
APPROVED

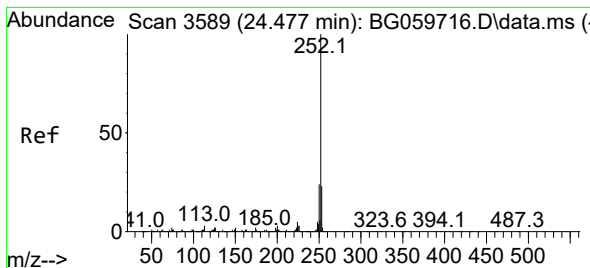
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.080 ng m
RT: 29.780 min Scan# 4492
Delta R.T. -0.021 min
Lab File: BG059780.D
Acq: 20 Nov 2023 22:30

Tgt Ion:276 Resp: 58621
Ion Ratio Lower Upper
276 100
138 2.5 1.8 2.6
277 0.0 9.8 14.6#





#88

Benzo(b)fluoranthene

Concen: 12.895 ng

RT: 24.462 min Scan# 3

Delta R.T. -0.015 min

Lab File: BG059780.D

Acq: 20 Nov 2023 22:30

Instrument :

BNA_G

ClientSampleId :

210

Tgt Ion:252 Resp: 134190

Ion Ratio Lower Upper

252 100

253 18.6 18.3 27.5

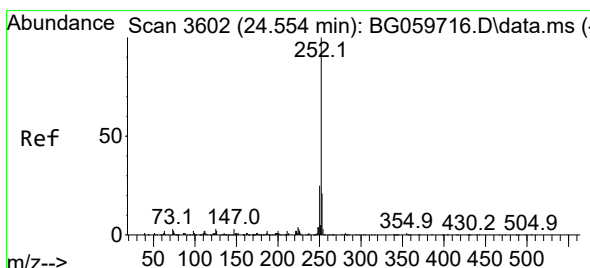
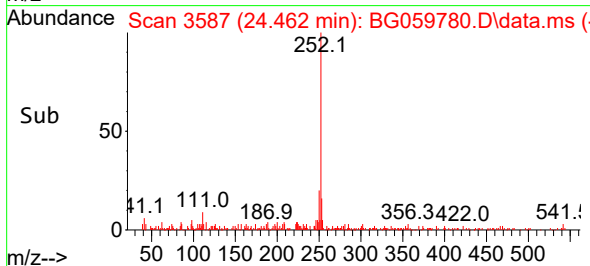
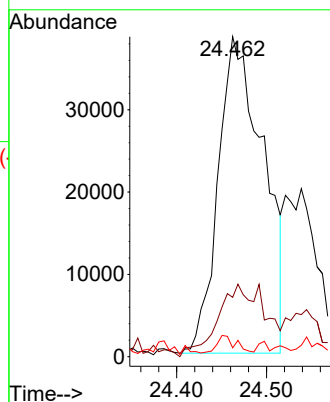
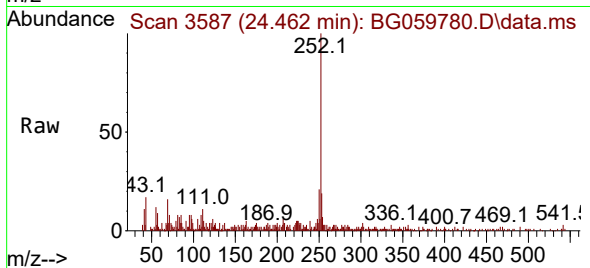
125 2.7 1.4 2.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/21/2023

Supervised By :mohammad ahmed 11/21/2023



#89

Benzo(k)fluoranthene

Concen: 5.133 ng m

RT: 24.539 min Scan# 3600

Delta R.T. -0.015 min

Lab File: BG059780.D

Acq: 20 Nov 2023 22:30

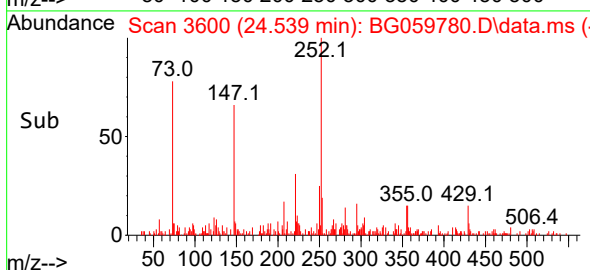
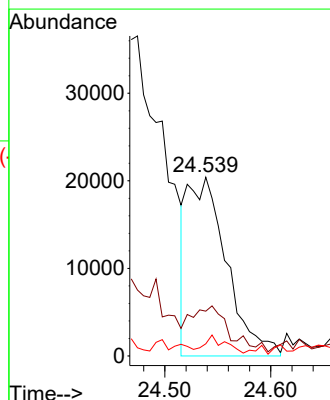
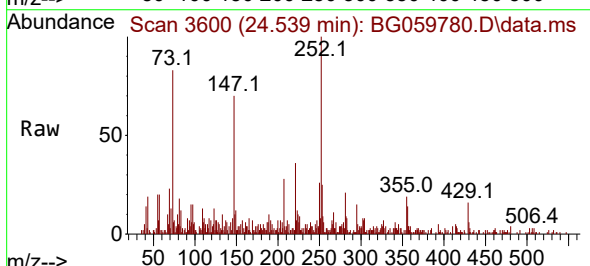
Tgt Ion:252 Resp: 52809

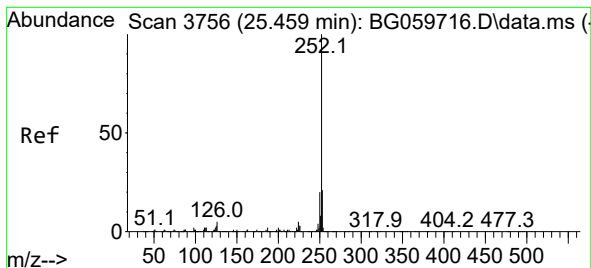
Ion Ratio Lower Upper

252 100

253 25.1 17.1 25.7

125 6.8 2.2 3.2





#90

Benzo(a)pyrene

Concen: 8.673 ng

RT: 25.444 min Scan# 31

Delta R.T. -0.015 min

Lab File: BG059780.D

Acq: 20 Nov 2023 22:30

Instrument :

BNA_G

ClientSampleId :

210

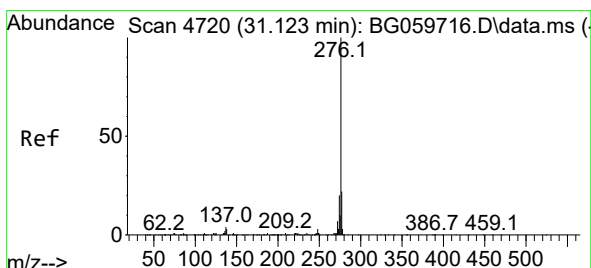
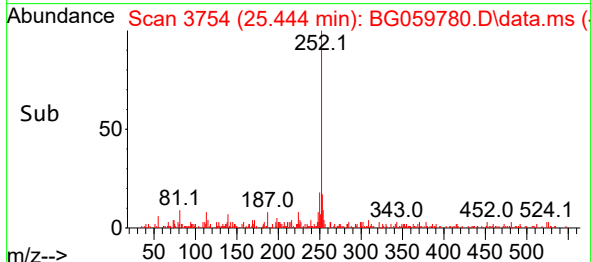
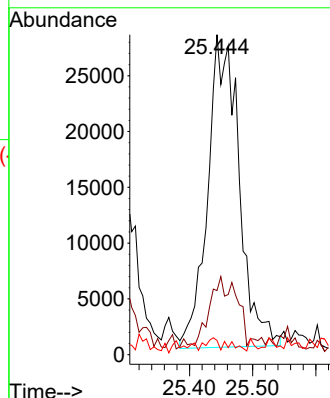
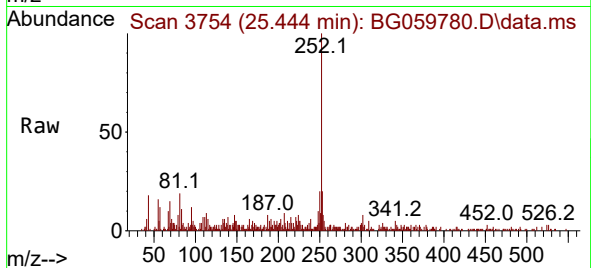
Tgt Ion:252 Resp: 96324
 Ion Ratio Lower Upper
 252 100
 253 20.1 16.8 25.2
 125 4.5 2.0 3.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/21/2023

Supervised By :mohammad ahmed 11/21/2023



#92

Benzo(g,h,i)perylene

Concen: 5.109 ng m

RT: 31.102 min Scan# 4717

Delta R.T. -0.021 min

Lab File: BG059780.D

Acq: 20 Nov 2023 22:30

Tgt Ion:276 Resp: 58924
 Ion Ratio Lower Upper
 276 100
 277 13.9 17.3 25.9#
 138 0.0 2.6 4.0#

