

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111723\
 Data File : BG059766.D
 Acq On : 18 Nov 2023 15:53
 Operator : MA/JU
 Sample : 05361-01 5X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OK-01-111023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/20/2023
 Supervised By :mohammad ahmed 11/21/2023

Quant Time: Nov 20 04:44:21 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	8.347	152	30469	20.000	ng	0.00
21) Naphthalene-d8	11.191	136	141847	20.000	ng	# 0.00
39) Acenaphthene-d10	14.969	164	130648	20.000	ng	0.00
64) Phenanthrene-d10	17.724	188	239032	20.000	ng	# 0.00
76) Chrysene-d12	22.061	240	174916	20.000	ng	# 0.00
86) Perylene-d12	25.656	264	153937m	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.838	112	28882	15.955	ng	0.00
7) Phenol-d6	7.460	99	41999	15.656	ng	0.00
23) Nitrobenzene-d5	9.546	82	39506	10.637	ng	0.00
42) 2,4,6-Tribromophenol	16.450	330	26078	17.592	ng	0.00
45) 2-Fluorobiphenyl	13.594	172	117834	12.140	ng	0.00
79) Terphenyl-d14	20.298	244	140713	11.876	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.772	178	122177	10.053	ng	97
72) Anthracene	17.854	178	31436	2.490	ng	94
75) Fluoranthene	19.757	202	187225	12.846	ng	100
78) Pyrene	20.122	202	170611m	14.336	ng	
81) Benzo(a)anthracene	22.037	228	80475	6.724	ng	# 90
83) Chrysene	22.108	228	92656m	8.445	ng	
88) Benzo(b)fluoranthene	24.493	252	58516	6.935	ng	# 72
89) Benzo(k)fluoranthene	24.534	252	46586m	5.585	ng	
90) Benzo(a)pyrene	25.486	252	53816	5.977	ng	# 89

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

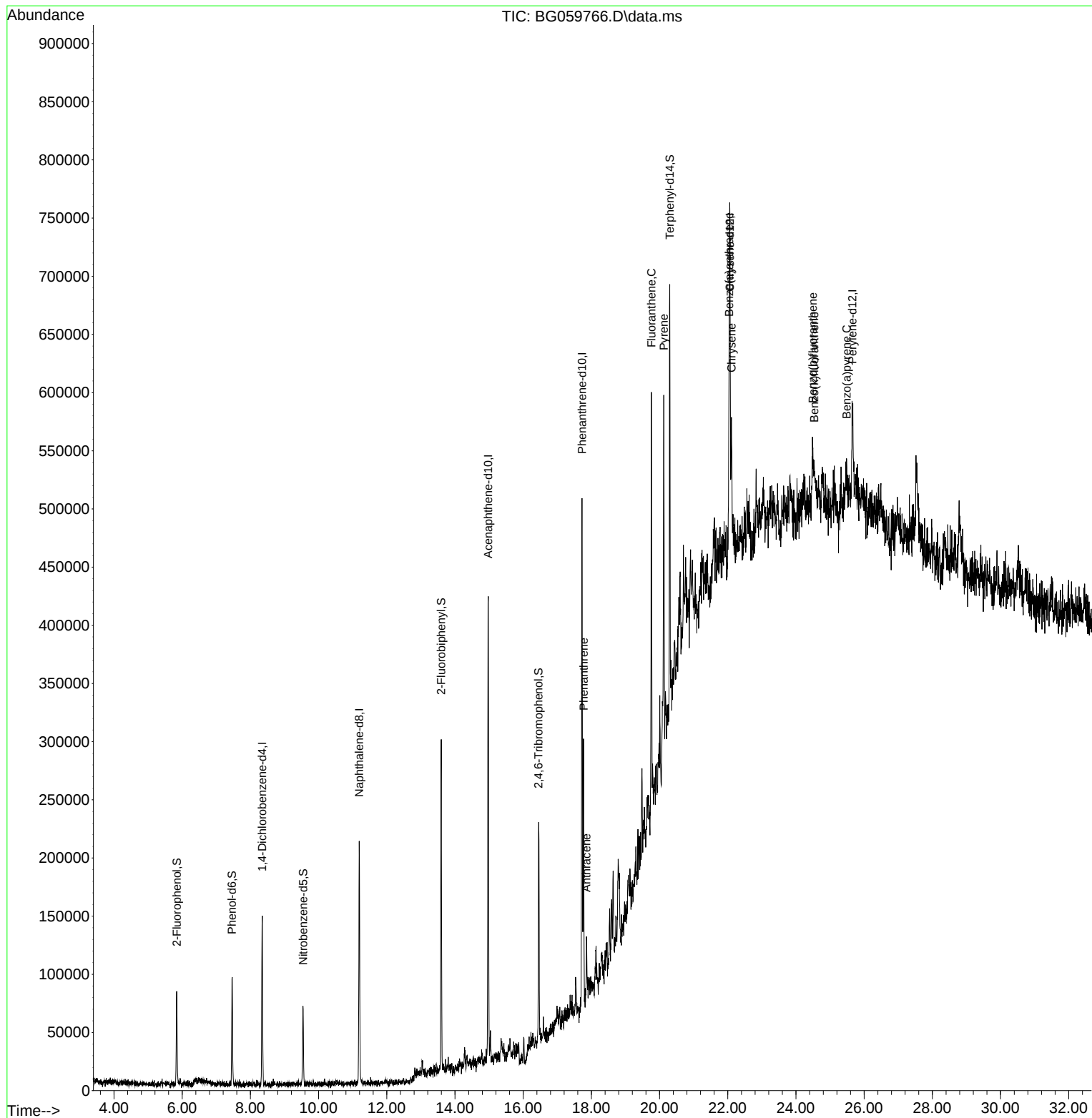
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111723\
Data File : BG059766.D
Acq On : 18 Nov 2023 15:53
Operator : MA/JU
Sample : 05361-01 5X
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ALS Vial : 31 Sample Multiplier: 1

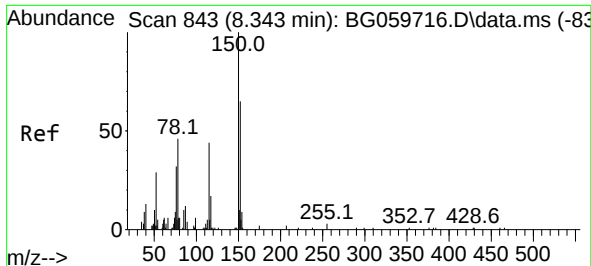
Instrument :
BNA_G
ClientSampleId :
OK-01-111023

Quant Time: Nov 20 04:44:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Supervised By :mohammad ahmed 11/21/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.347 min Scan# 843
Delta R.T. 0.004 min
Lab File: BG059766.D
Acq: 18 Nov 2023 15:53

Instrument :

BNA_G

ClientSampleId :

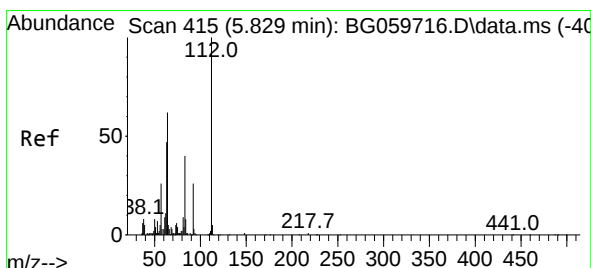
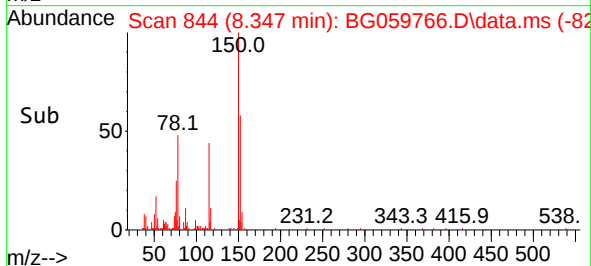
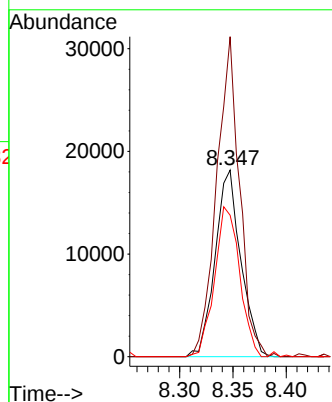
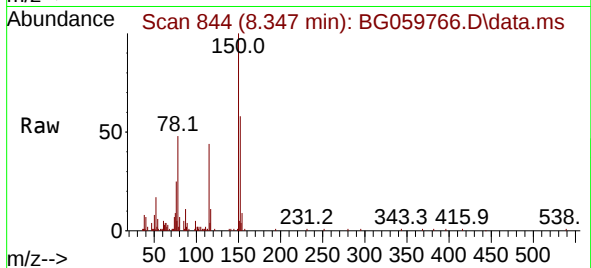
OK-01-111023

Tgt Ion:152 Resp: 30469
Ion Ratio Lower Upper
152 100
150 171.5 122.2 183.4
115 75.8 54.2 81.4

Manual Integrations

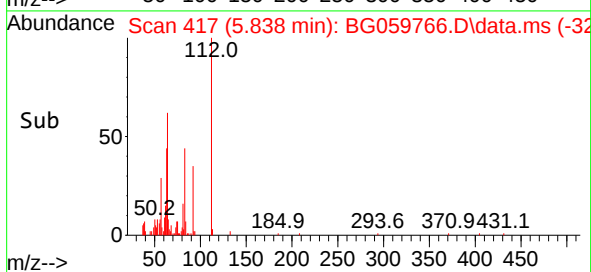
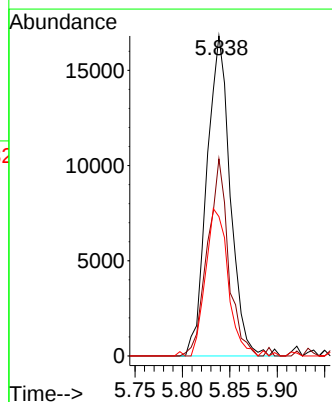
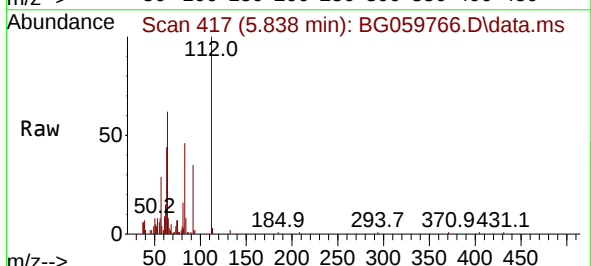
APPROVED

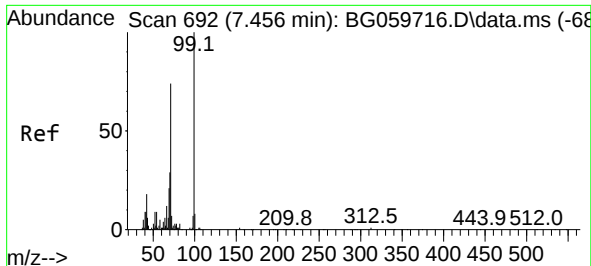
Reviewed By :Yogesh Patel 11/20/2023
Supervised By :mohammad ahmed 11/21/2023



#5
2-Fluorophenol
Concen: 15.955 ng
RT: 5.838 min Scan# 417
Delta R.T. 0.010 min
Lab File: BG059766.D
Acq: 18 Nov 2023 15:53

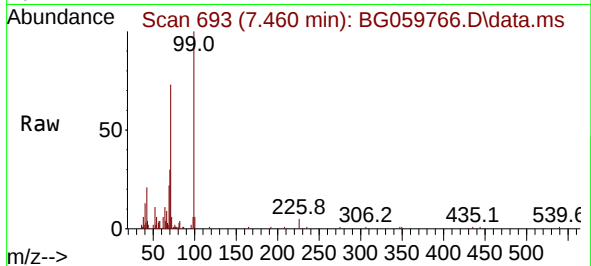
Tgt Ion:112 Resp: 28882
Ion Ratio Lower Upper
112 100
64 61.6 49.5 74.3
63 43.6 37.4 56.2





#7
Phenol-d6
Concen: 15.656 ng
RT: 7.460 min Scan# 692
Delta R.T. 0.004 min
Lab File: BG059766.D
Acq: 18 Nov 2023 15:53

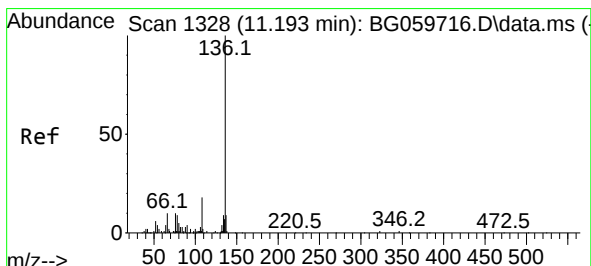
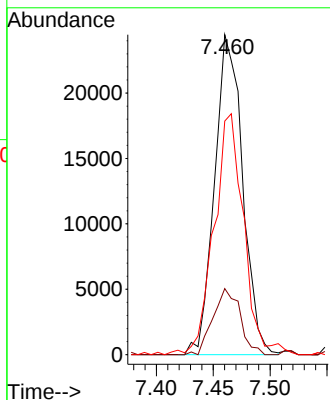
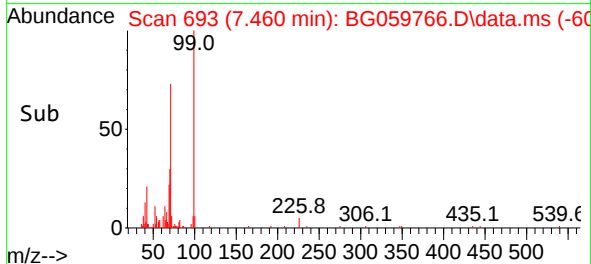
Instrument :
BNA_G
ClientSampleId :
OK-01-111023



Tgt Ion: 99 Resp: 41999
Ion Ratio Lower Upper
99 100
42 20.7 14.3 21.5
71 73.0 59.3 88.9

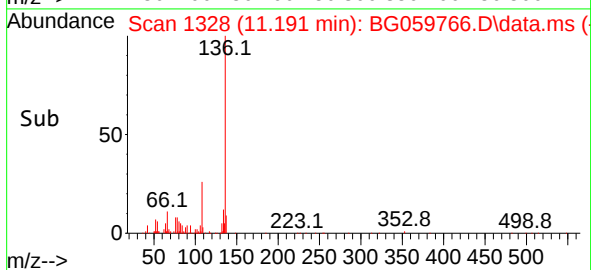
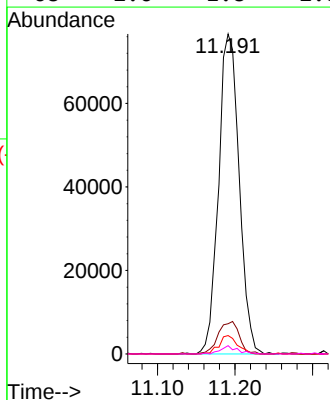
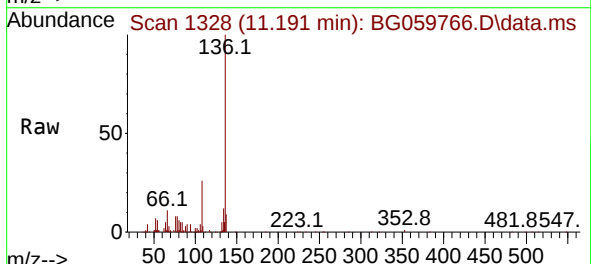
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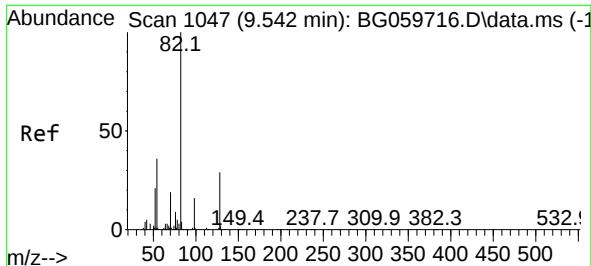
Reviewed By :Yogesh Patel 11/20/2023
Supervised By :mohammad ahmed 11/21/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.191 min Scan# 1328
Delta R.T. -0.002 min
Lab File: BG059766.D
Acq: 18 Nov 2023 15:53

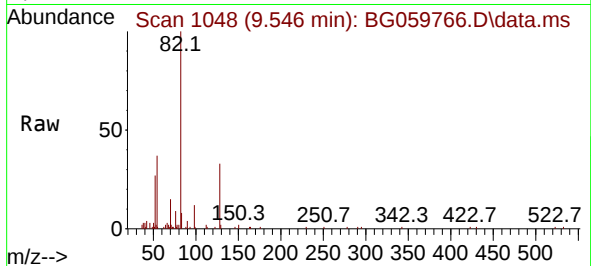
Tgt Ion:136 Resp: 141847
Ion Ratio Lower Upper
136 100
137 9.4 7.4 11.0
54 5.8 3.1 4.7#
68 2.6 1.8 2.8





#23
Nitrobenzene-d5
Concen: 10.637 ng
RT: 9.546 min Scan# 1047
Delta R.T. 0.004 min
Lab File: BG059766.D
Acq: 18 Nov 2023 15:53

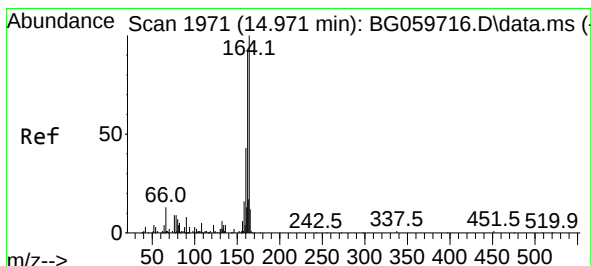
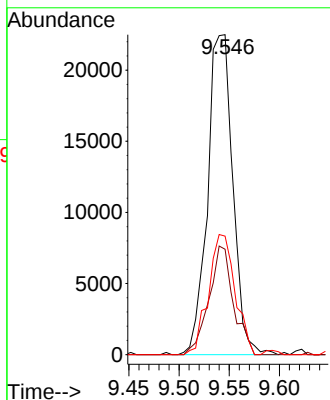
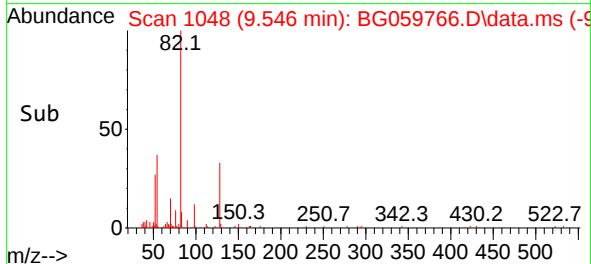
Instrument :
BNA_G
ClientSampleId :
OK-01-111023



Tgt Ion: 82 Resp: 39500
Ion Ratio Lower Upper
82 100
128 33.0 23.0 34.6
54 37.0 28.7 43.1

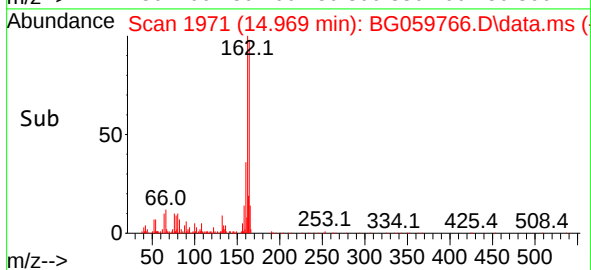
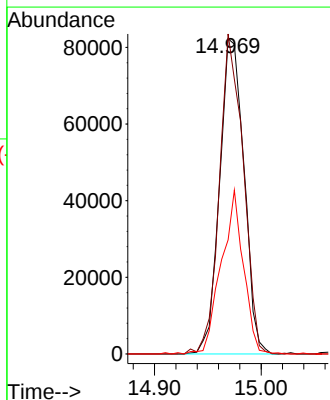
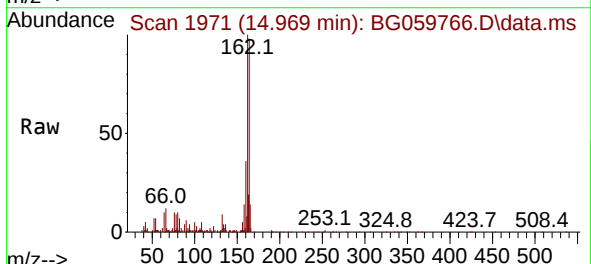
Manual Integrations
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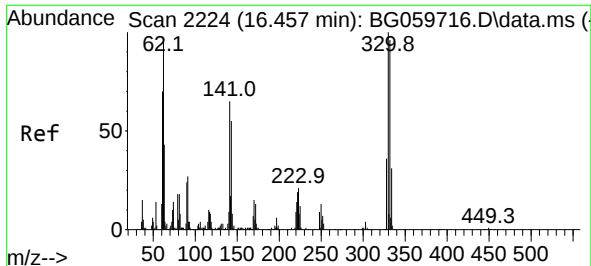
Reviewed By :Yogesh Patel 11/20/2023
Supervised By :mohammad ahmed 11/21/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.969 min Scan# 1971
Delta R.T. -0.002 min
Lab File: BG059766.D
Acq: 18 Nov 2023 15:53

Tgt Ion:164 Resp: 130648
Ion Ratio Lower Upper
164 100
162 101.5 73.3 109.9
160 36.2 34.1 51.1





#42
2,4,6-Tribromophenol
Concen: 17.592 ng
RT: 16.450 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG059766.D
Acq: 18 Nov 2023 15:53

Instrument :

BNA_G

ClientSampleId :

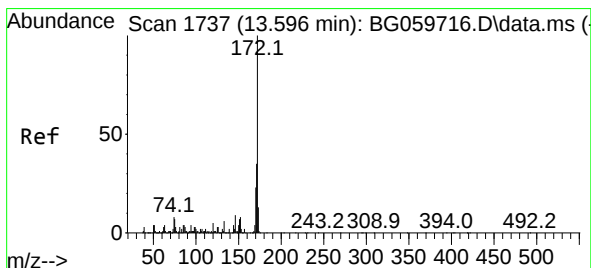
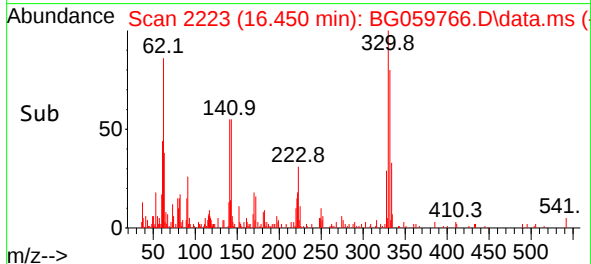
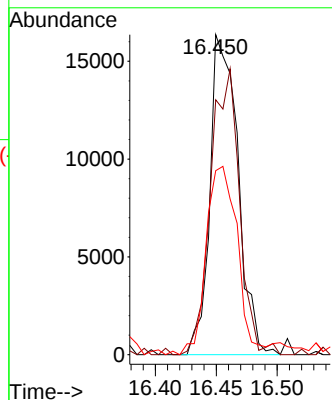
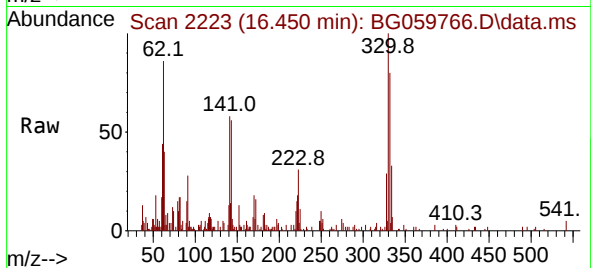
OK-01-111023

Tgt Ion:330 Resp: 26078
Ion Ratio Lower Upper
330 100
332 92.1 73.3 109.9
141 65.4 52.1 78.1

Manual Integrations

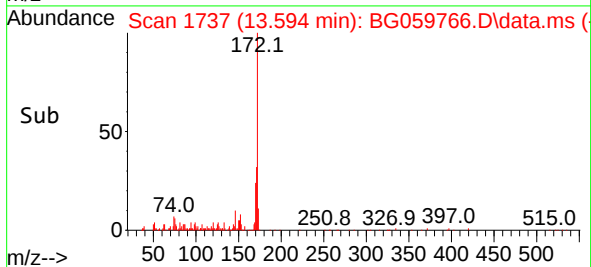
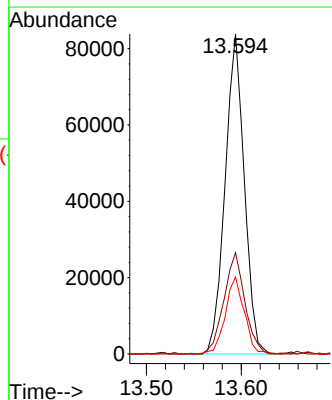
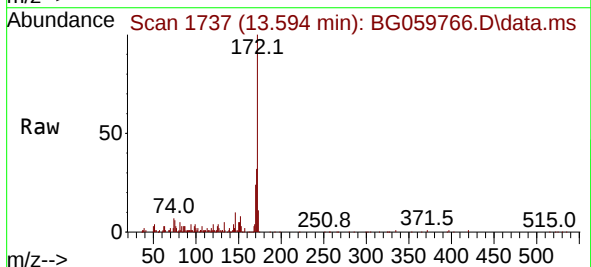
APPROVED

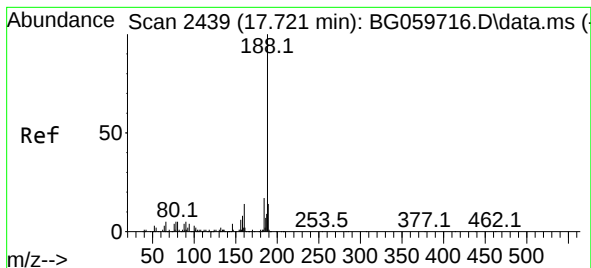
Reviewed By :Yogesh Patel 11/20/2023
Supervised By :mohammad ahmed 11/21/2023



#45
2-Fluorobiphenyl
Concen: 12.140 ng
RT: 13.594 min Scan# 1737
Delta R.T. -0.002 min
Lab File: BG059766.D
Acq: 18 Nov 2023 15:53

Tgt Ion:172 Resp: 117834
Ion Ratio Lower Upper
172 100
171 31.7 27.7 41.5
170 24.1 18.4 27.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.724 min Scan# 24

Delta R.T. 0.004 min

Lab File: BG059766.D

Acq: 18 Nov 2023 15:53

Instrument :

BNA_G

ClientSampleId :

OK-01-111023

Tgt Ion:188 Resp: 23903

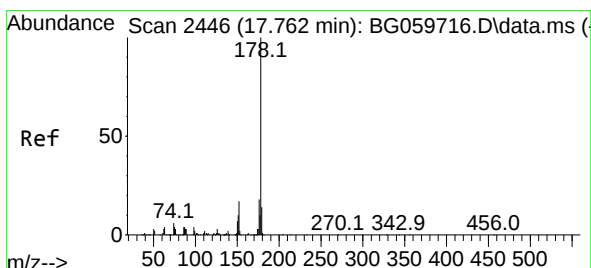
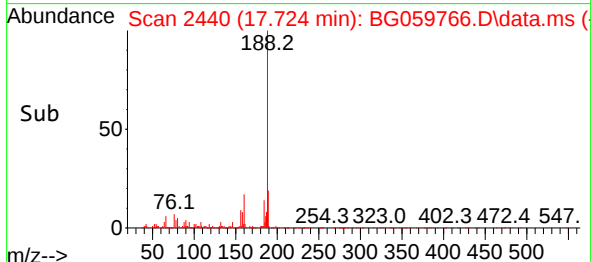
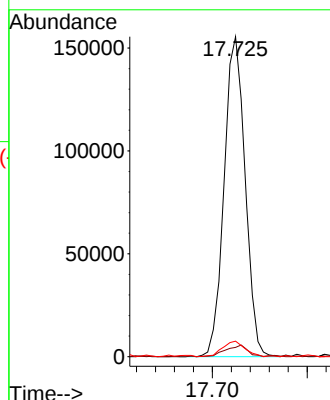
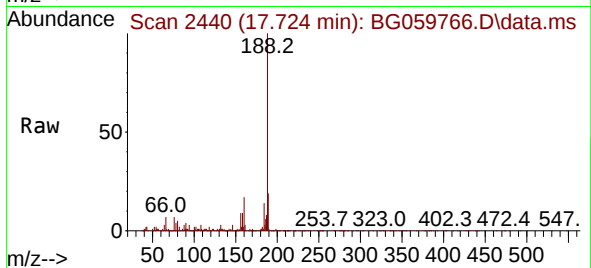
Ion	Ratio	Lower	Upper
188	100		
94	2.9	3.0	4.4
80	4.9	4.2	6.4

Manual Integrations

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Reviewed By :Yogesh Patel 11/20/2023

Supervised By :mohammad ahmed 11/21/2023



#71

Phenanthrene

Concen: 10.053 ng

RT: 17.772 min Scan# 2448

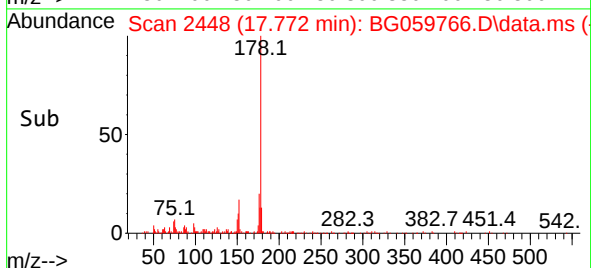
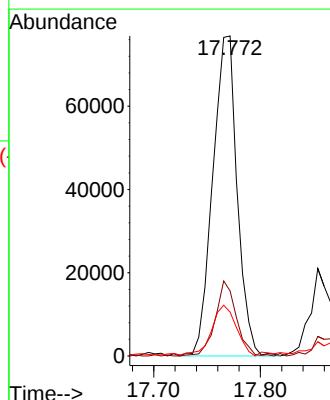
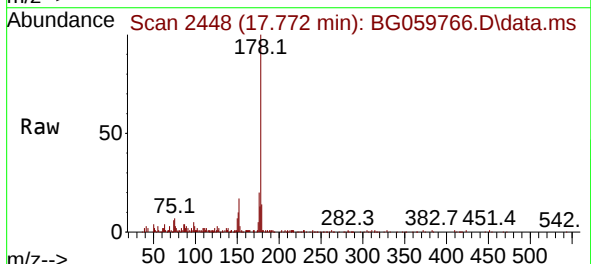
Delta R.T. 0.010 min

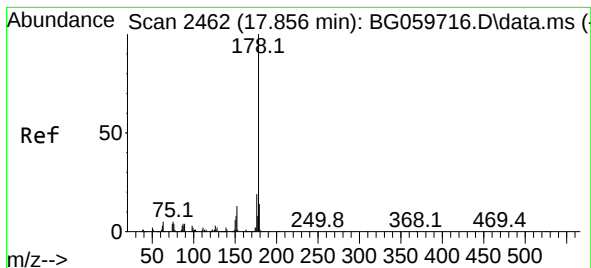
Lab File: BG059766.D

Acq: 18 Nov 2023 15:53

Tgt Ion:178 Resp: 122177

Ion	Ratio	Lower	Upper
178	100		
176	20.3	14.5	21.7
179	13.7	11.2	16.8





#72

Anthracene

Concen: 2.490 ng

RT: 17.854 min Scan# 2462

Delta R.T. -0.002 min

Lab File: BG059766.D

Acq: 18 Nov 2023 15:53

Instrument :

BNA_G

ClientSampleId :

OK-01-111023

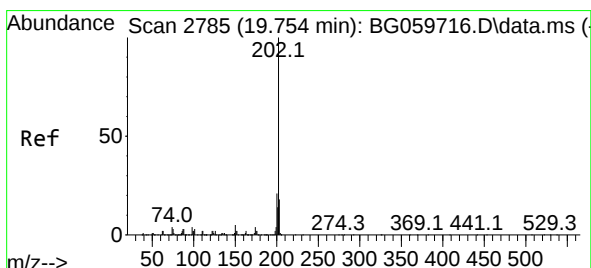
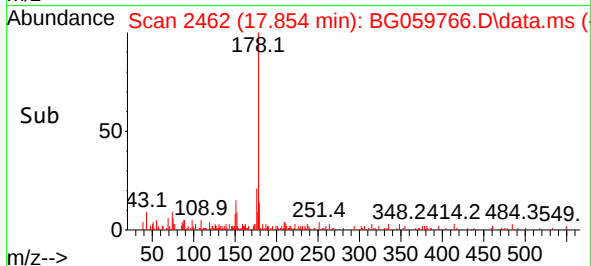
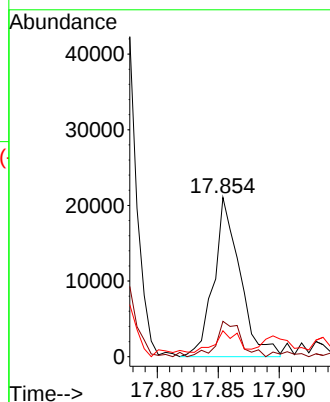
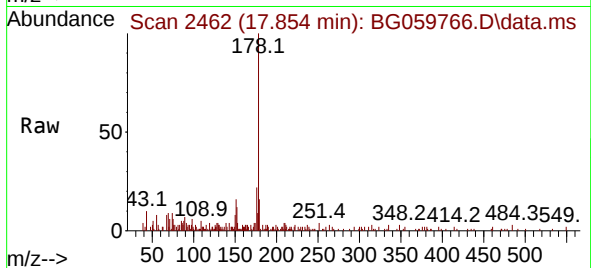
Tgt Ion:178	Resp:	31430
Ion Ratio	Lower	Upper
178	100	
176	22.2	15.0 22.4
179	16.3	11.5 17.3

Manual Integrations

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Reviewed By :Yogesh Patel 11/20/2023

Supervised By :mohammad ahmed 11/21/2023



#75

Fluoranthene

Concen: 12.846 ng

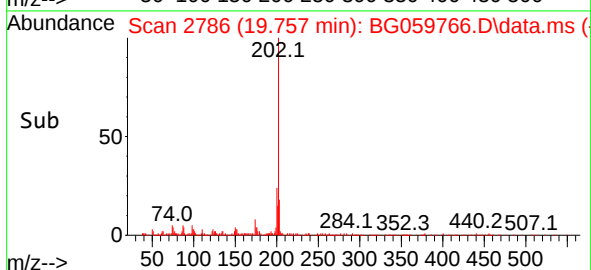
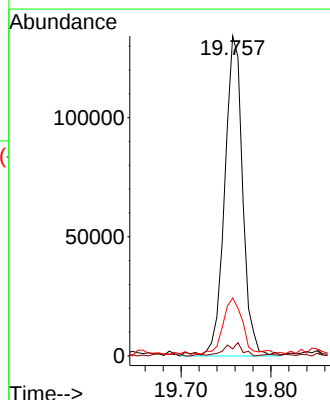
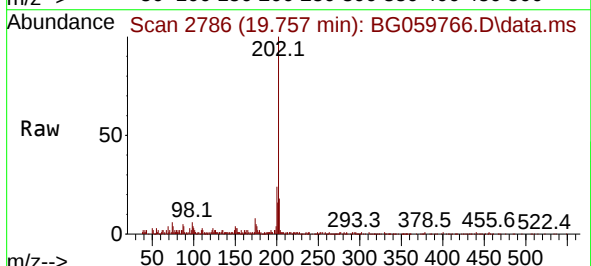
RT: 19.757 min Scan# 2786

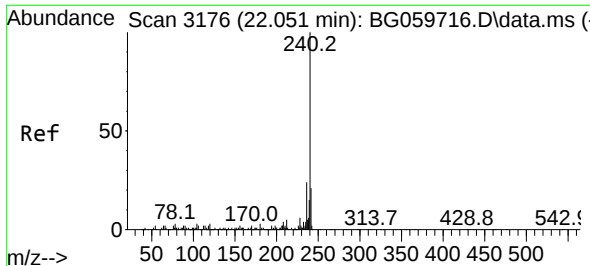
Delta R.T. 0.004 min

Lab File: BG059766.D

Acq: 18 Nov 2023 15:53

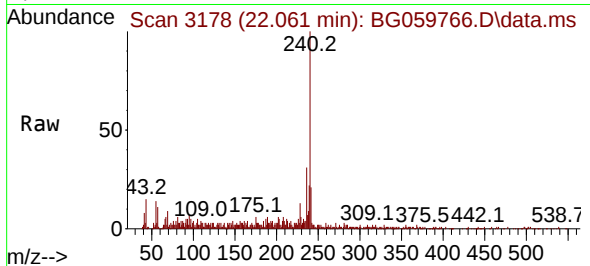
Tgt Ion:202	Resp:	187225
Ion Ratio	Lower	Upper
202	100	
101	3.1	0.0 22.7
203	18.1	0.0 38.2





#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.061 min Scan# 3176
Delta R.T. 0.010 min
Lab File: BG059766.D
Acq: 18 Nov 2023 15:53

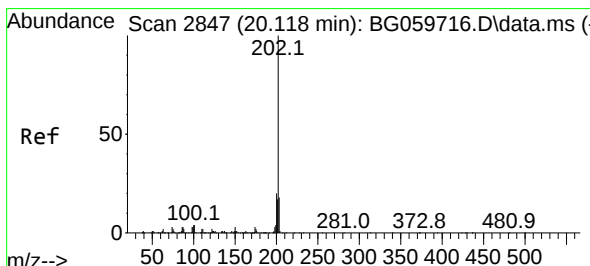
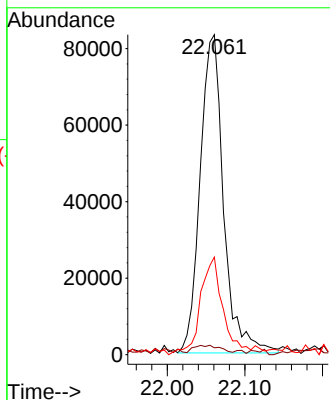
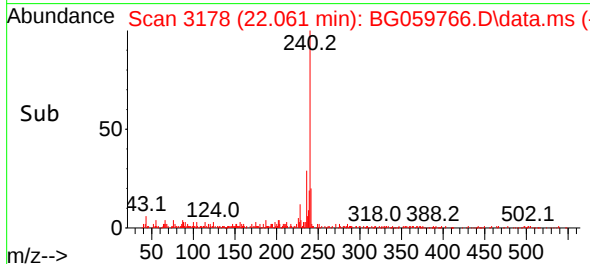
Instrument :
BNA_G
ClientSampleId :
OK-01-111023



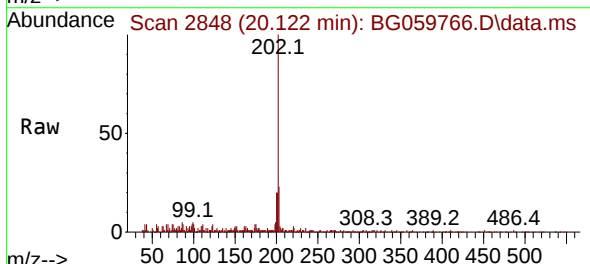
Tgt Ion:240 Resp: 174910
Ion Ratio Lower Upper
240 100
120 2.2 2.2 3.2
236 30.5 19.4 29.2

Manual Integrations
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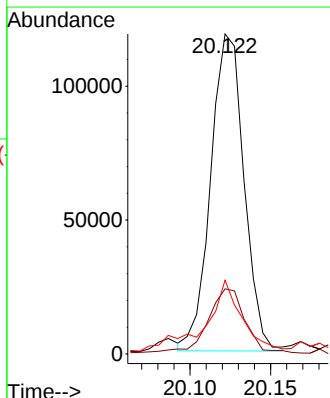
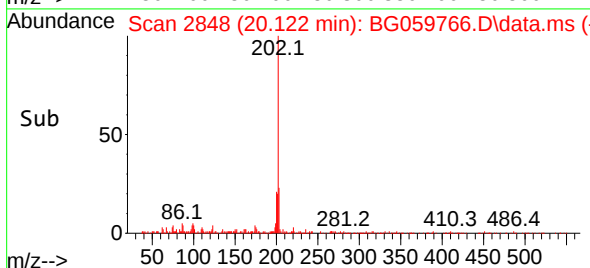
Reviewed By :Yogesh Patel 11/20/2023
Supervised By :mohammad ahmed 11/21/2023

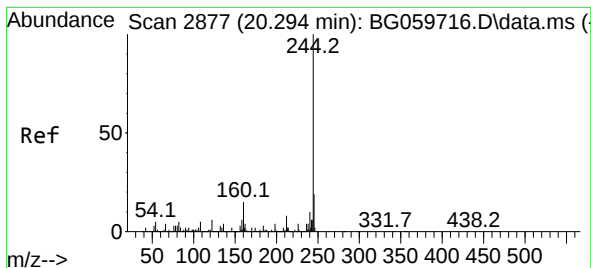


#78
Pyrene
Concen: 14.336 ng m
RT: 20.122 min Scan# 2848
Delta R.T. 0.004 min
Lab File: BG059766.D
Acq: 18 Nov 2023 15:53



Tgt Ion:202 Resp: 170611
Ion Ratio Lower Upper
202 100
200 20.4 16.2 24.4
203 23.0 14.0 21.0





#79

Terphenyl-d14

Concen: 11.876 ng

RT: 20.298 min Scan# 21

Delta R.T. 0.004 min

Lab File: BG059766.D

Acq: 18 Nov 2023 15:53

Instrument :

BNA_G

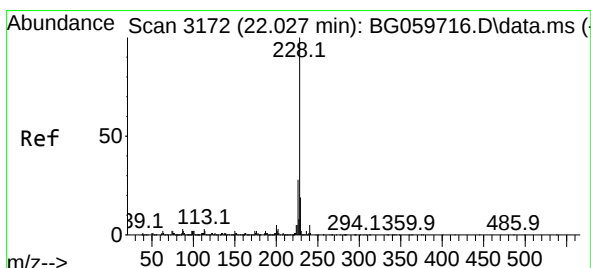
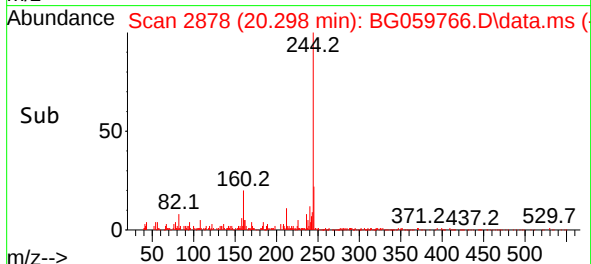
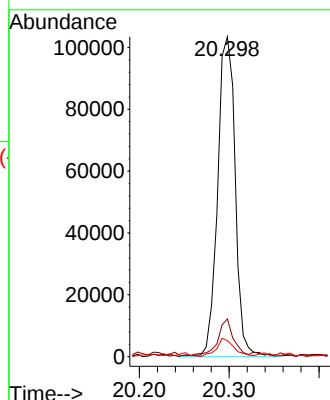
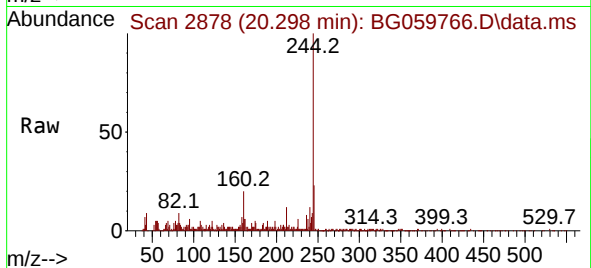
ClientSampleId :

OK-01-111023

Tgt Ion:244 Resp: 140711
 Ion Ratio Lower Upper
 244 100
 212 11.8 6.6 10.0
 122 5.0 4.4 6.6

Manual Integrations
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Reviewed By :Yogesh Patel 11/20/2023
 Supervised By :mohammad ahmed 11/21/2023



#81

Benzo(a)anthracene

Concen: 6.724 ng

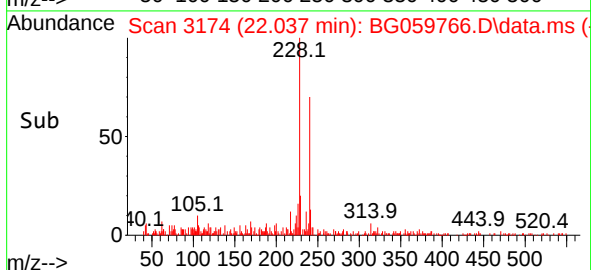
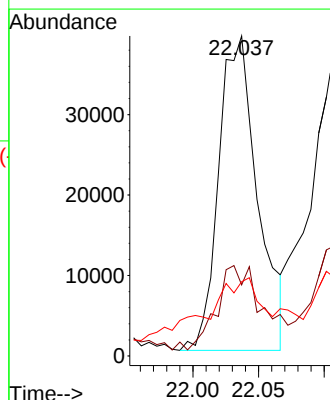
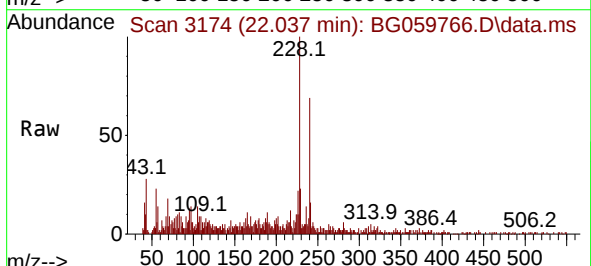
RT: 22.037 min Scan# 3174

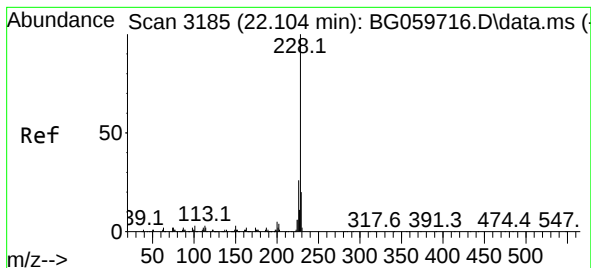
Delta R.T. 0.010 min

Lab File: BG059766.D

Acq: 18 Nov 2023 15:53

Tgt Ion:228 Resp: 80475
 Ion Ratio Lower Upper
 228 100
 226 22.2 22.1 33.1
 229 23.2 14.9 22.3





#83

Chrysene

Concen: 8.445 ng m

RT: 22.108 min Scan# 3185

Delta R.T. 0.004 min

Lab File: BG059766.D

Acq: 18 Nov 2023 15:53

Instrument :

BNA_G

ClientSampleId :

OK-01-111023

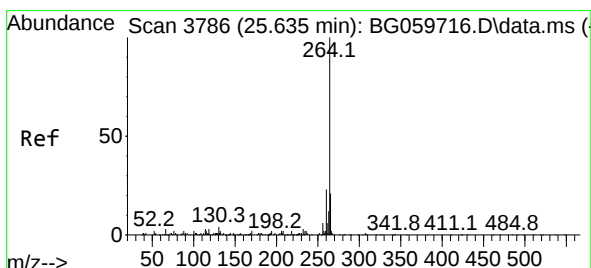
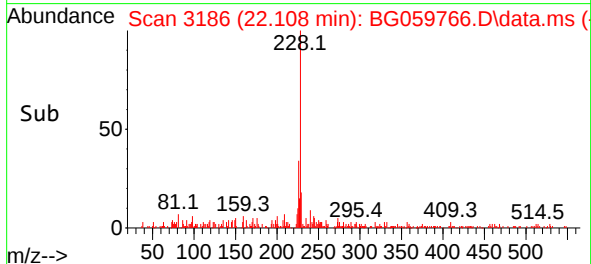
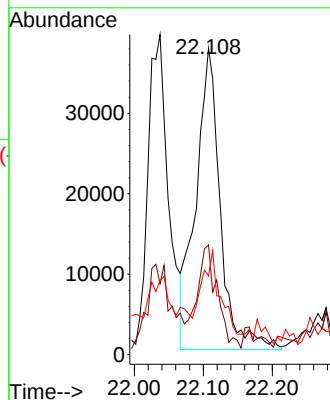
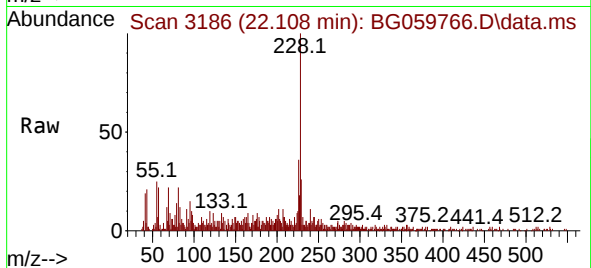
Tgt Ion:	228	Resp:	92650
Ion Ratio	Lower	Upper	
228	100		
226	35.8	21.1	31.7
229	25.6	16.2	24.4

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Reviewed By :Yogesh Patel 11/20/2023

Supervised By :mohammad ahmed 11/21/2023



#86

Perylene-d12

Concen: 20.000 ng m

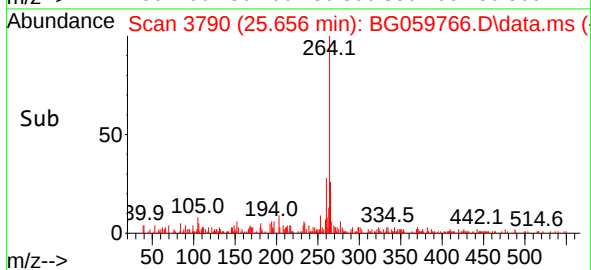
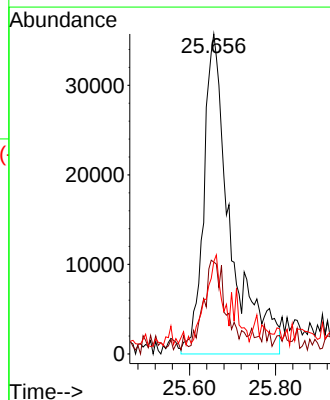
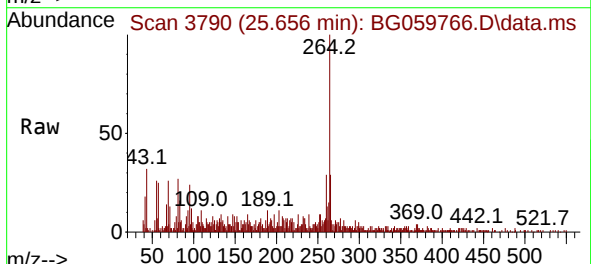
RT: 25.656 min Scan# 3790

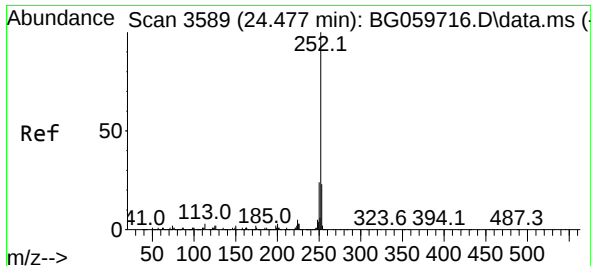
Delta R.T. 0.021 min

Lab File: BG059766.D

Acq: 18 Nov 2023 15:53

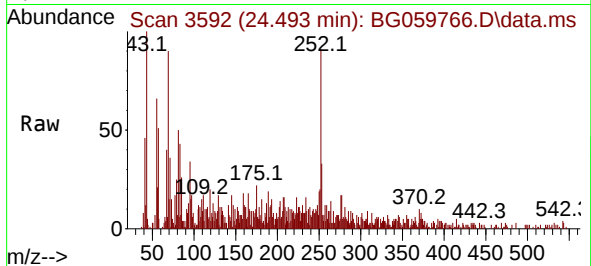
Tgt Ion:	264	Resp:	153937
Ion Ratio	Lower	Upper	
264	100		
260	28.7	18.5	27.7
265	28.9	17.0	25.6





#88
Benzo(b)fluoranthene
Concen: 6.935 ng
RT: 24.493 min Scan# 3592
Delta R.T. 0.016 min
Lab File: BG059766.D
Acq: 18 Nov 2023 15:53

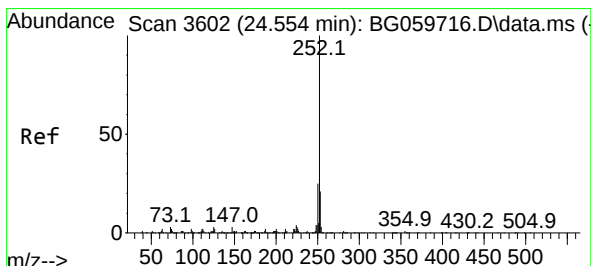
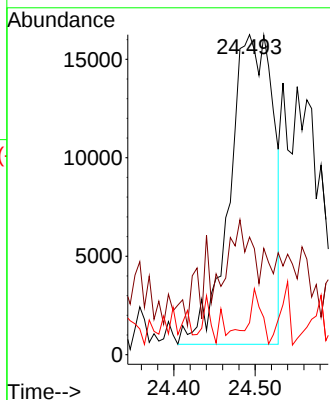
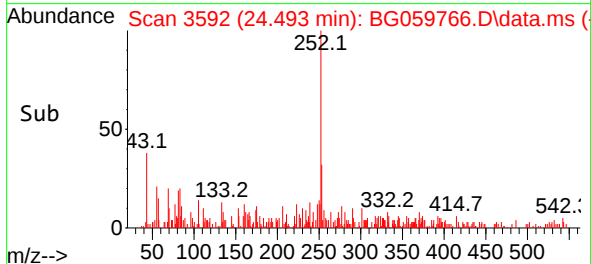
Instrument :
BNA_G
ClientSampleId :
OK-01-111023



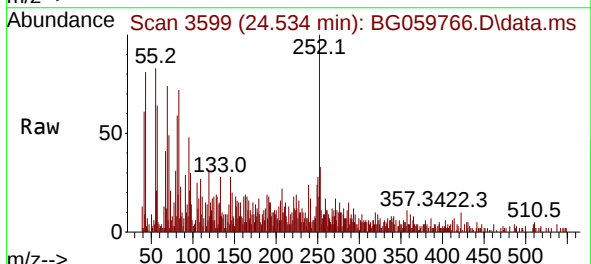
Tgt Ion:252 Resp: 58510
Ion Ratio Lower Upper
252 100
253 36.8 18.3 27.5#
125 10.0 1.4 2.0#

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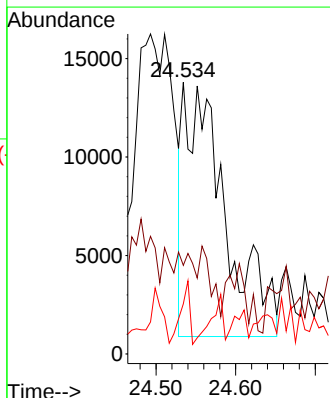
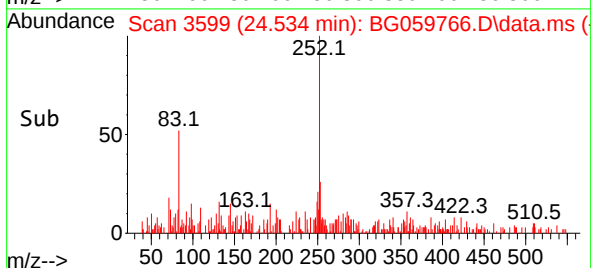
Reviewed By :Yogesh Patel 11/20/2023
Supervised By :mohammad ahmed 11/21/2023

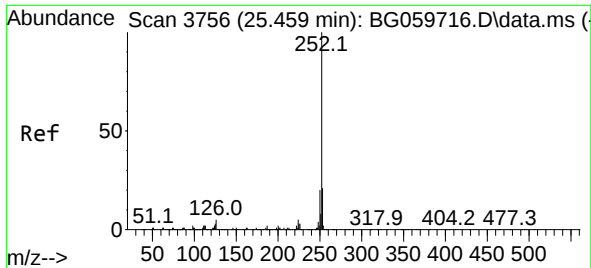


#89
Benzo(k)fluoranthene
Concen: 5.585 ng m
RT: 24.534 min Scan# 3599
Delta R.T. -0.020 min
Lab File: BG059766.D
Acq: 18 Nov 2023 15:53



Tgt Ion:252 Resp: 46586
Ion Ratio Lower Upper
252 100
253 32.7 17.1 25.7#
125 18.4 2.2 3.2#





#90

Benzo(a)pyrene

Concen: 5.977 ng

RT: 25.486 min Scan# 31

Delta R.T. 0.027 min

Lab File: BG059766.D

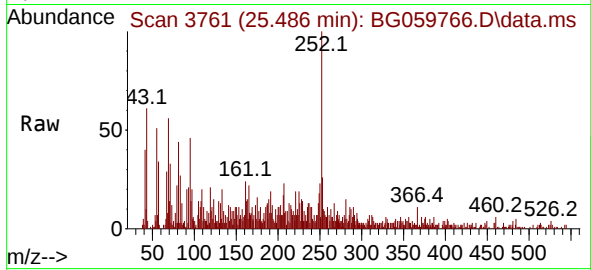
Acq: 18 Nov 2023 15:53

Instrument :

BNB_G

ClientSampleId :

OK-01-111023



Tgt Ion:252 Resp: 53810

Ion Ratio Lower Upper

252 100

253 26.0 16.8 25.2

125 6.8 2.0 3.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/20/2023

Supervised By :mohammad ahmed 11/21/2023

