

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122023\
 Data File : BG060107.D
 Acq On : 20 Dec 2023 20:33
 Operator : MA/JU
 Sample : 05883-03 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-02-121523

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/21/2023
 Supervised By :mohammad ahmed 12/21/2023

Quant Time: Dec 21 02:41:03 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 19 04:37:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.950	152	50598	20.000	ng	0.00
21) Naphthalene-d8	10.752	136	170740	20.000	ng	# 0.00
39) Acenaphthene-d10	14.583	164	154383	20.000	ng	-0.01
64) Phenanthrene-d10	17.333	188	470968	20.000	ng	#-0.01
76) Chrysene-d12	21.604	240	621408	20.000	ng	#-0.01
86) Perylene-d12	24.789	264	733530	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.523	112	35138	11.888	ng	0.00
7) Phenol-d6	7.104	99	53654	12.905	ng	0.00
23) Nitrobenzene-d5	9.107	82	44193	11.753	ng	-0.01
42) 2,4,6-Tribromophenol	16.070	330	62214	17.292	ng	-0.01
45) 2-Fluorobiphenyl	13.202	172	137798	10.924	ng	-0.01
79) Terphenyl-d14	19.953	244	381979	11.223	ng	-0.01
Target Compounds						Qvalue
75) Fluoranthene	19.389	202	142897	4.293	ng	91
78) Pyrene	19.753	202	190160	5.048	ng	98
81) Benzo(a)anthracene	21.581	228	99083m	2.374	ng	
83) Chrysene	21.645	228	94979	2.402	ng	97
88) Benzo(b)fluoranthene	23.778	252	118627	2.619	ng	# 87
90) Benzo(a)pyrene	24.636	252	87149	2.171	ng	# 92

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

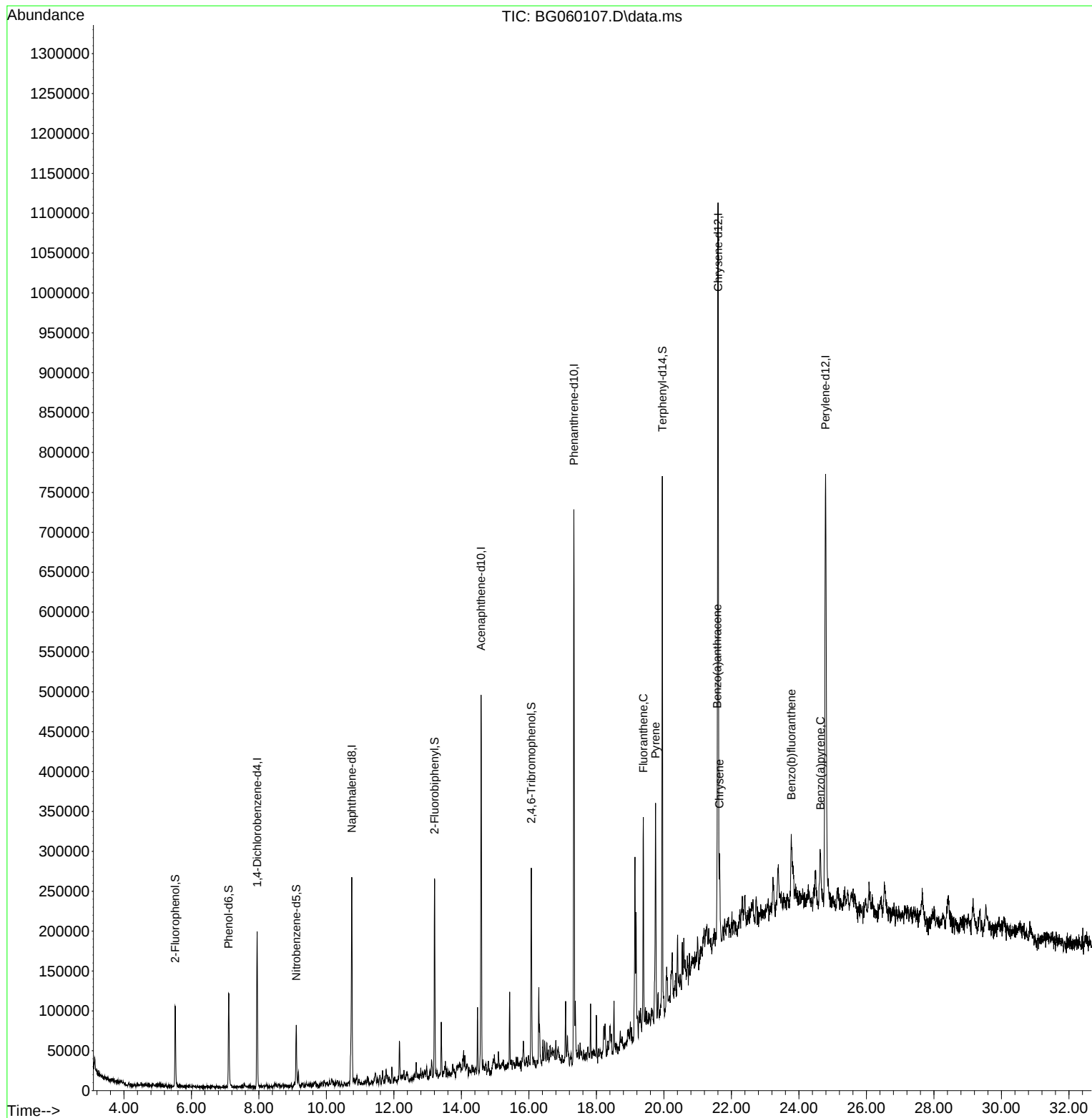
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122023\
Data File : BG060107.D
Acq On : 20 Dec 2023 20:33
Operator : MA/JU
Sample : 05883-03 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

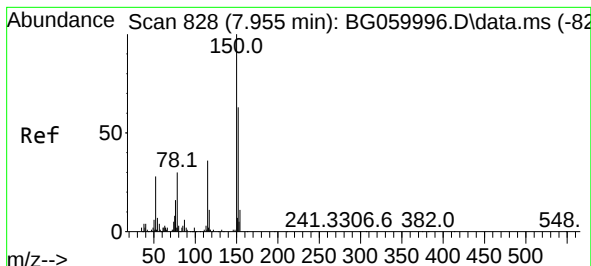
Instrument :
BNA_G
ClientSampleId :
EO-02-121523

Quant Time: Dec 21 02:41:03 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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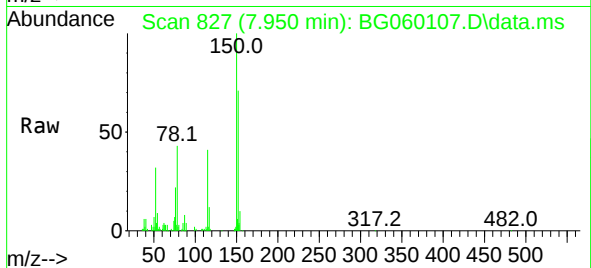
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.950 min Scan# 81
Delta R.T. -0.009 min
Lab File: BG060107.D
Acq: 20 Dec 2023 20:33

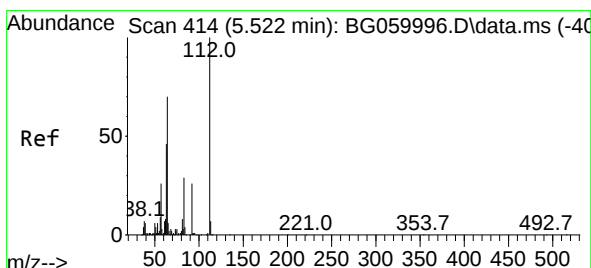
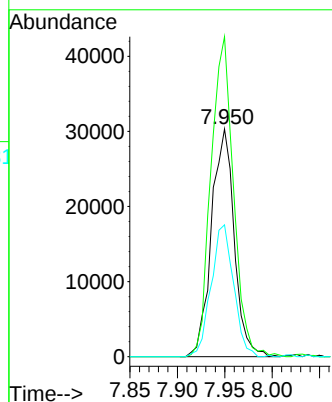
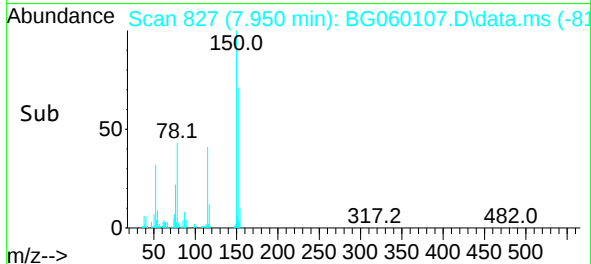
Instrument :
BNA_G
ClientSampleId :
EO-02-121523



Tgt Ion:152 Resp: 50598
Ion Ratio Lower Upper
152 100
150 140.5 127.0 190.6
115 57.9 45.7 68.5

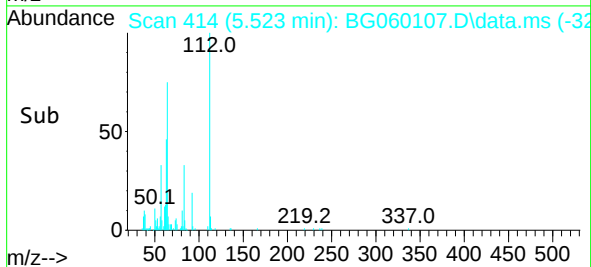
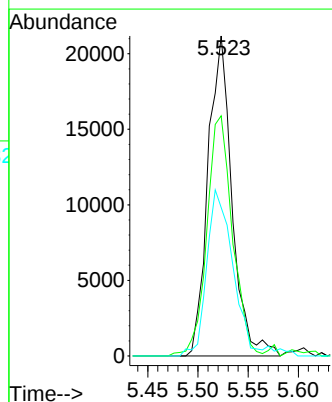
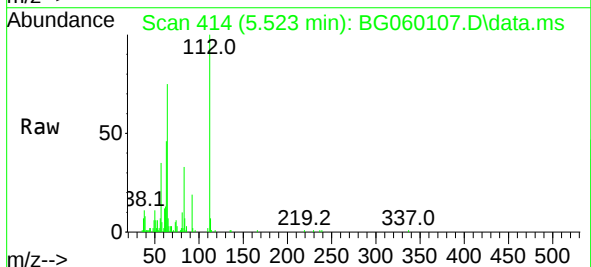
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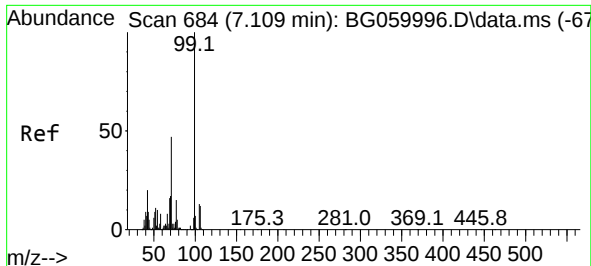
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#5
2-Fluorophenol
Concen: 11.888 ng
RT: 5.523 min Scan# 414
Delta R.T. -0.003 min
Lab File: BG060107.D
Acq: 20 Dec 2023 20:33

Tgt Ion:112 Resp: 35138
Ion Ratio Lower Upper
112 100
64 75.0 55.9 83.9
63 46.4 36.5 54.7





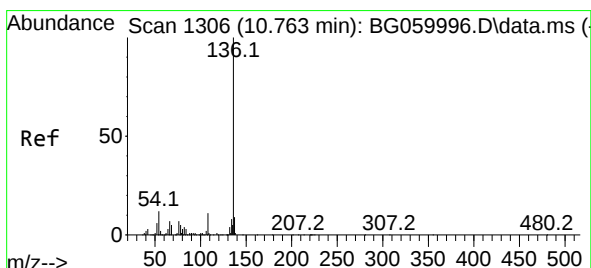
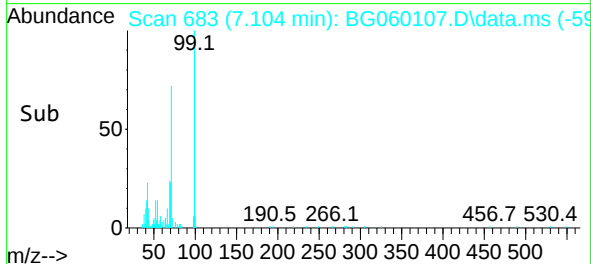
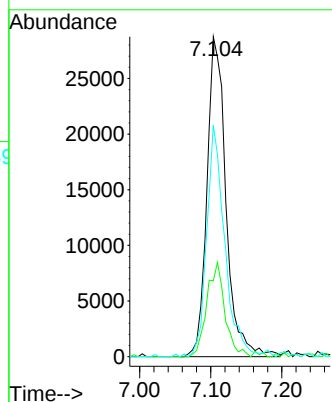
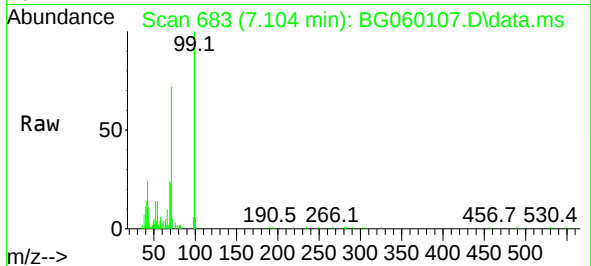
#7
Phenol-d6
Concen: 12.905 ng
RT: 7.104 min Scan# 61
Delta R.T. -0.009 min
Lab File: BG060107.D
Acq: 20 Dec 2023 20:33

Instrument :
BNA_G
ClientSampleId :
EO-02-121523

Tgt Ion: 99 Resp: 53654
Ion Ratio Lower Upper
99 100
42 23.7 16.2 24.4
71 72.4 37.6 56.4

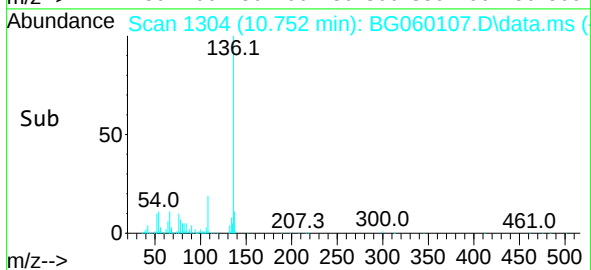
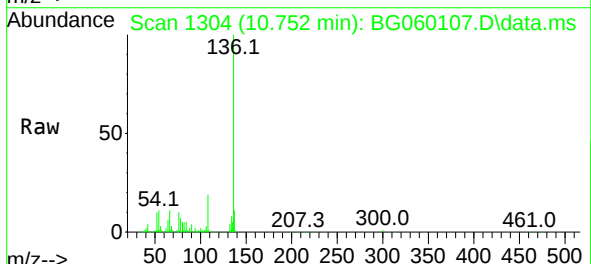
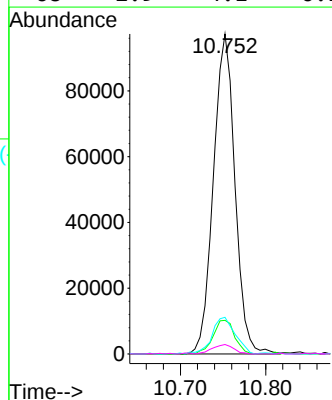
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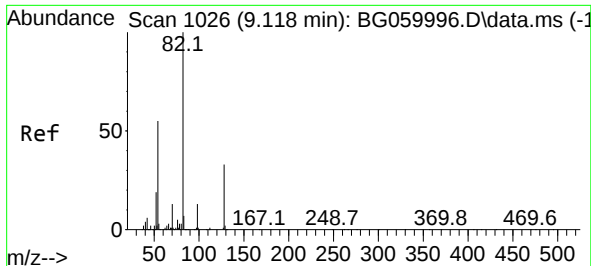
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.752 min Scan# 1304
Delta R.T. -0.009 min
Lab File: BG060107.D
Acq: 20 Dec 2023 20:33

Tgt Ion:136 Resp: 170740
Ion Ratio Lower Upper
136 100
137 10.5 7.3 10.9
54 11.4 9.6 14.4
68 2.9 4.1 6.1





#23

Nitrobenzene-d5

Concen: 11.753 ng

RT: 9.107 min Scan# 1026

Delta R.T. -0.015 min

Lab File: BG060107.D

Acq: 20 Dec 2023 20:33

Instrument :

BNA_G

ClientSampleId :

EO-02-121523

Tgt Ion: 82 Resp: 4419

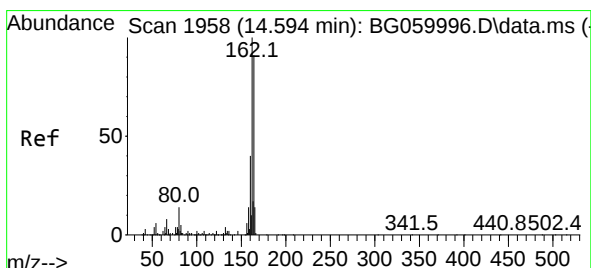
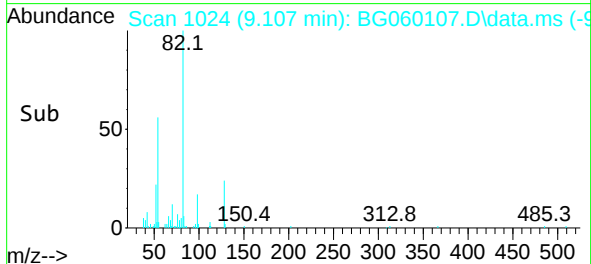
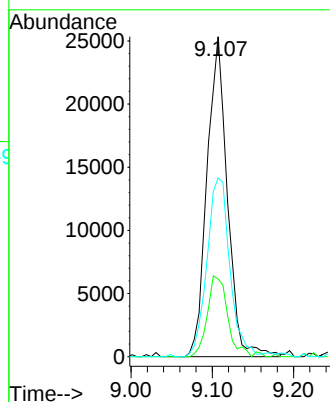
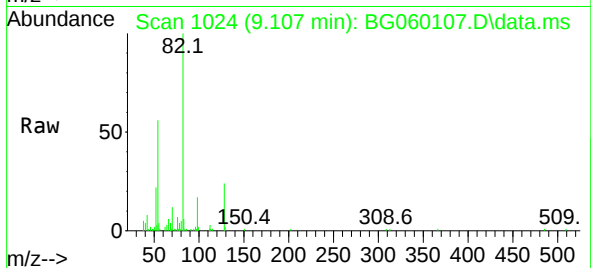
Ion	Ratio	Lower	Upper
82	100		
128	24.3	26.3	39.5
54	55.8	44.3	66.5

Manual Integrations

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Supervised By :mohammad ahmed 12/21/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.583 min Scan# 1956

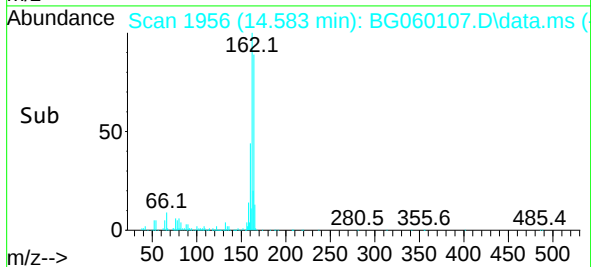
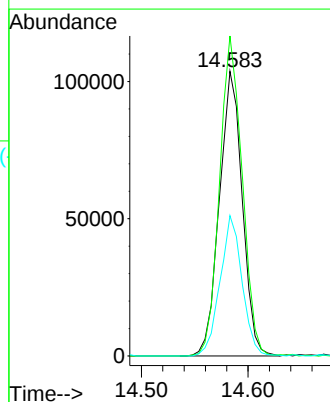
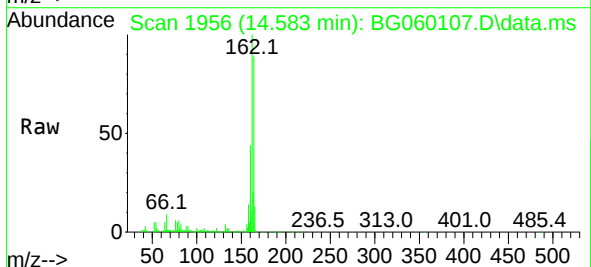
Delta R.T. -0.015 min

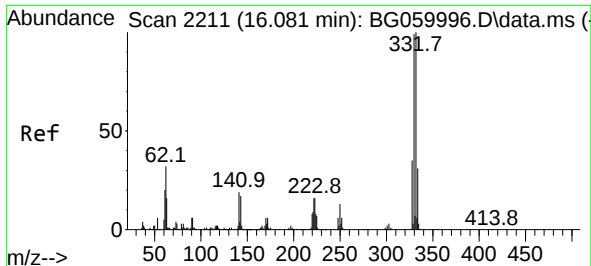
Lab File: BG060107.D

Acq: 20 Dec 2023 20:33

Tgt Ion:164 Resp: 154383

Ion	Ratio	Lower	Upper
164	100		
162	112.4	88.1	132.1
160	49.3	35.4	53.0





#42
2,4,6-Tribromophenol
Concen: 17.292 ng
RT: 16.070 min Scan# 21
Delta R.T. -0.015 min
Lab File: BG060107.D
Acq: 20 Dec 2023 20:33

Instrument :

BNA_G

ClientSampleId :

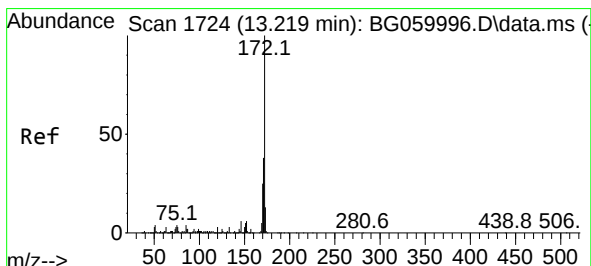
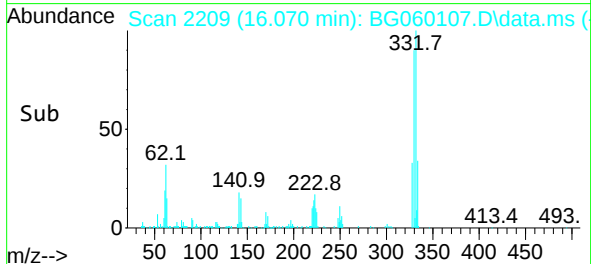
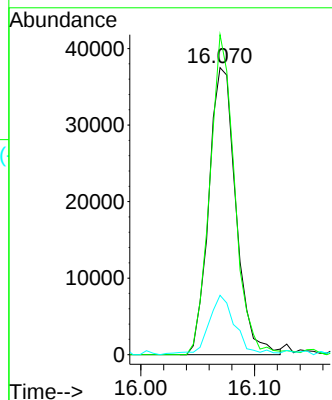
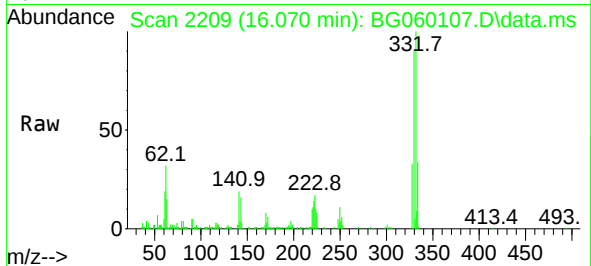
EO-02-121523

Tgt Ion:330 Resp: 62214
Ion Ratio Lower Upper
330 100
332 102.8 76.2 114.4
141 20.3 14.3 21.5

Manual Integrations

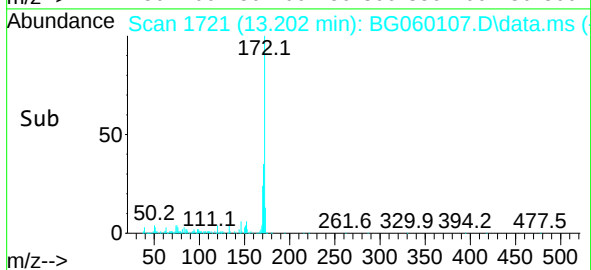
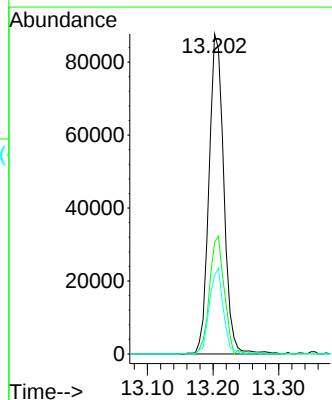
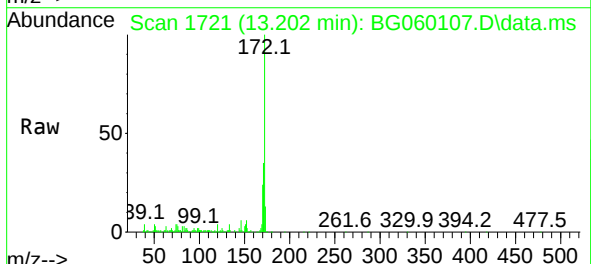
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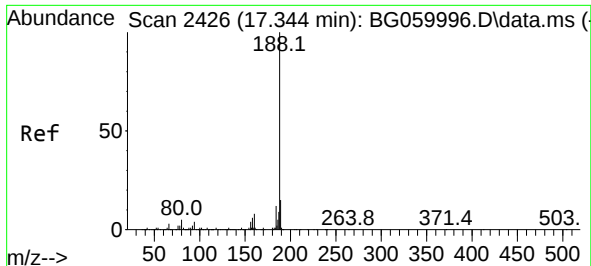
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#45
2-Fluorobiphenyl
Concen: 10.924 ng
RT: 13.202 min Scan# 1721
Delta R.T. -0.015 min
Lab File: BG060107.D
Acq: 20 Dec 2023 20:33

Tgt Ion:172 Resp: 137798
Ion Ratio Lower Upper
172 100
171 34.9 30.1 45.1
170 24.5 20.0 30.0





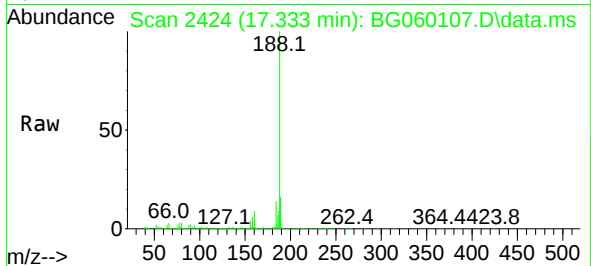
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.333 min Scan# 2426
Delta R.T. -0.015 min
Lab File: BG060107.D
Acq: 20 Dec 2023 20:33

Instrument :

BNA_G

ClientSampleId :

EO-02-121523



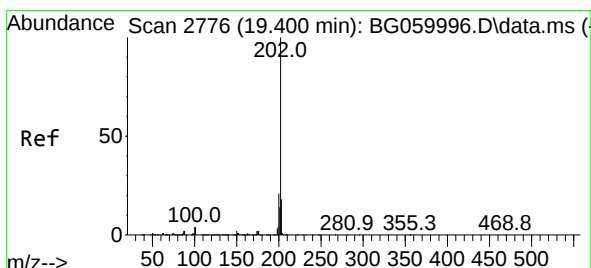
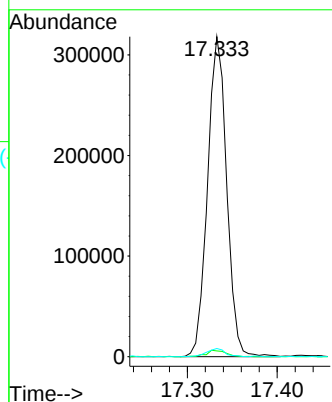
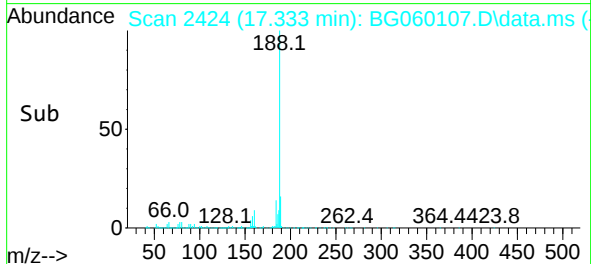
Tgt Ion:188 Resp: 470968
Ion Ratio Lower Upper
188 100
94 1.8 3.0 4.6
80 2.5 4.0 6.0

Manual Integrations

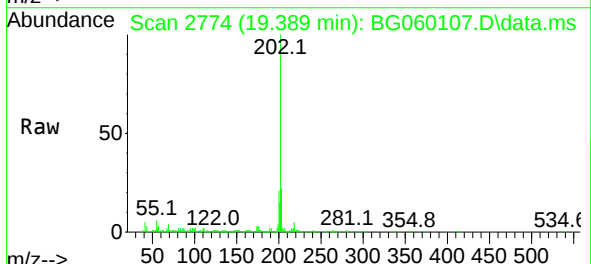
APPROVED

Reviewed By :Yogesh Patel 12/21/2023

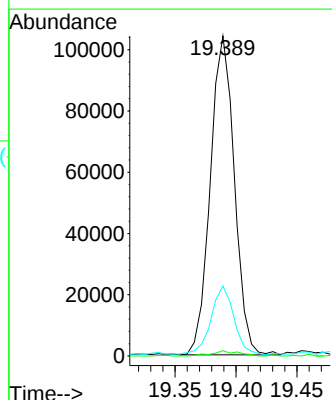
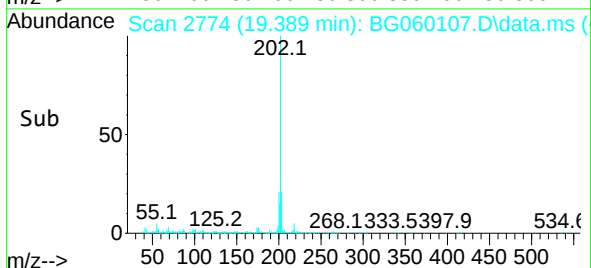
Supervised By :mohammad ahmed 12/21/2023

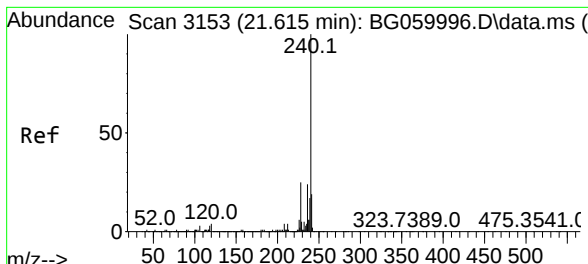


#75
Fluoranthene
Concen: 4.293 ng
RT: 19.389 min Scan# 2774
Delta R.T. -0.015 min
Lab File: BG060107.D
Acq: 20 Dec 2023 20:33



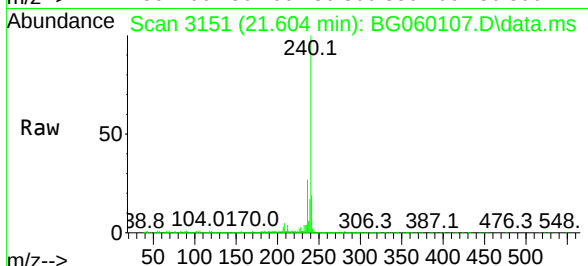
Tgt Ion:202 Resp: 142897
Ion Ratio Lower Upper
202 100
101 1.6 0.0 24.2
203 21.8 0.0 37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.604 min Scan# 3151
Delta R.T. -0.015 min
Lab File: BG060107.D
Acq: 20 Dec 2023 20:33

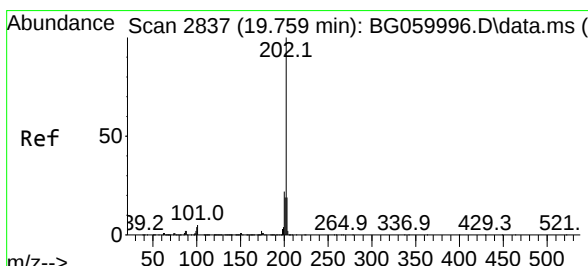
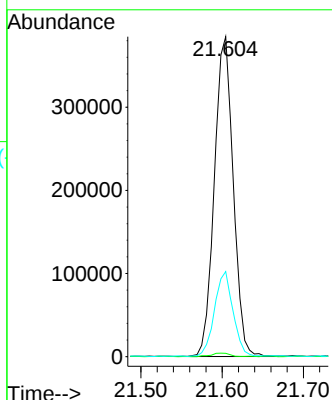
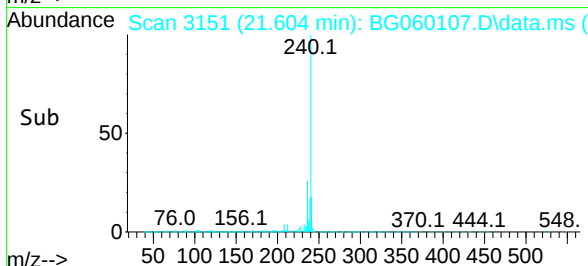
Instrument :
BNA_G
ClientSampleId :
EO-02-121523



Tgt Ion:240 Resp: 621408
Ion Ratio Lower Upper
240 100
120 1.1 2.9 4.3
236 26.6 19.4 29.2

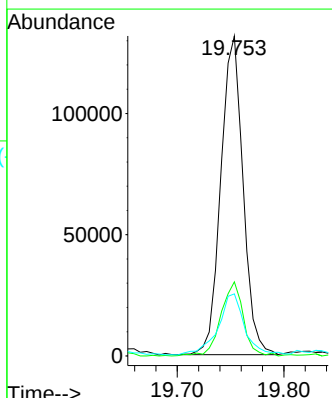
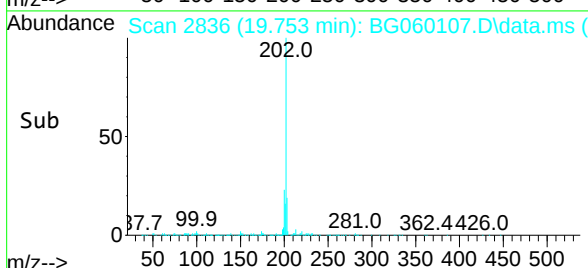
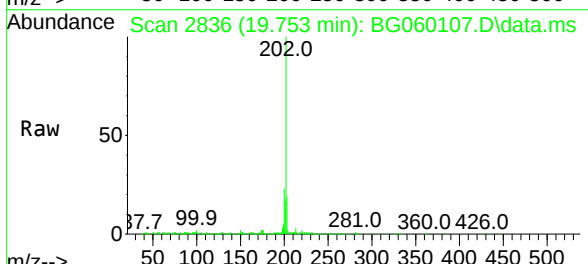
Manual Integrations
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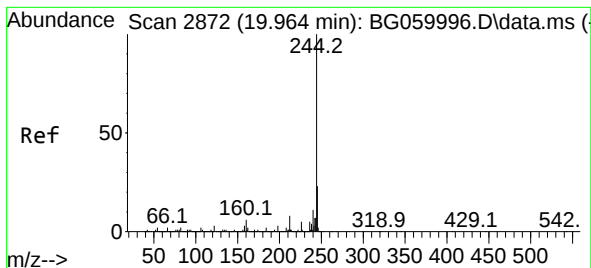
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#78
Pyrene
Concen: 5.048 ng
RT: 19.753 min Scan# 2836
Delta R.T. -0.009 min
Lab File: BG060107.D
Acq: 20 Dec 2023 20:33

Tgt Ion:202 Resp: 190160
Ion Ratio Lower Upper
202 100
200 23.2 17.6 26.4
203 19.4 14.9 22.3





#79

Terphenyl-d14

Concen: 11.223 ng

RT: 19.953 min Scan# 21

Delta R.T. -0.015 min

Lab File: BG060107.D

Acq: 20 Dec 2023 20:33

Instrument :

BNA_G

ClientSampleId :

EO-02-121523

Tgt Ion:244 Resp: 381979

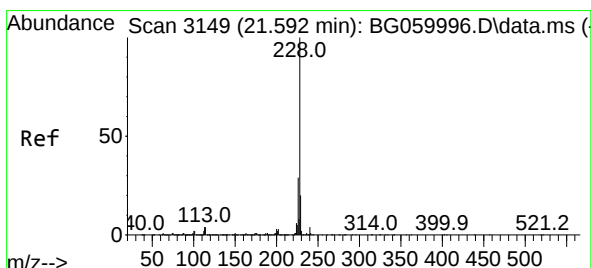
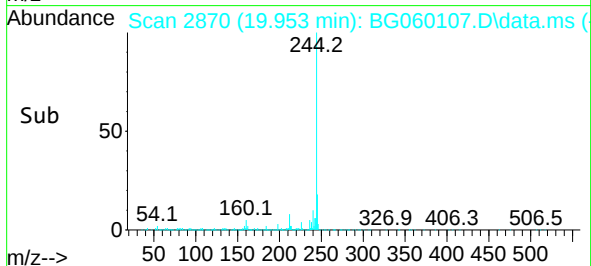
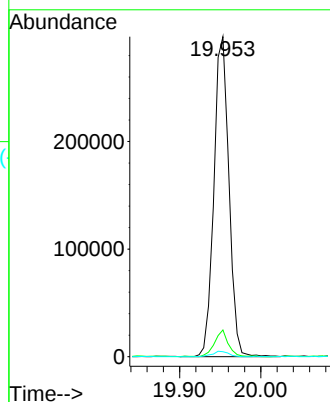
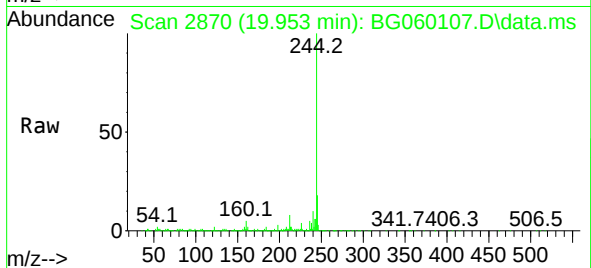
Ion	Ratio	Lower	Upper
244	100		
212	8.4	6.8	10.2
122	1.5	2.6	3.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/21/2023

Supervised By :mohammad ahmed 12/21/2023



#81

Benzo(a)anthracene

Concen: 2.374 ng m

RT: 21.581 min Scan# 3147

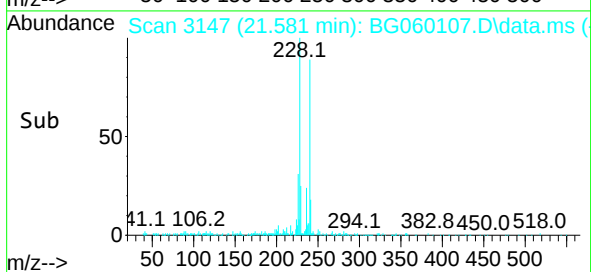
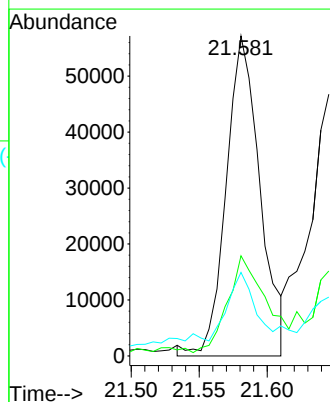
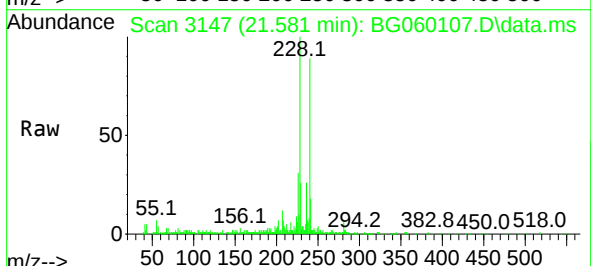
Delta R.T. -0.021 min

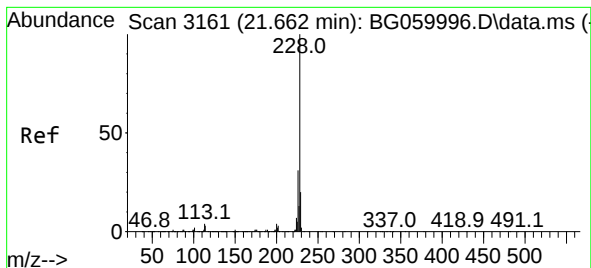
Lab File: BG060107.D

Acq: 20 Dec 2023 20:33

Tgt Ion:228 Resp: 99083

Ion	Ratio	Lower	Upper
228	100		
226	31.3	22.9	34.3
229	26.1	16.2	24.2





#83

Chrysene

Concen: 2.402 ng

RT: 21.645 min Scan# 3161

Delta R.T. -0.021 min

Lab File: BG060107.D

Acq: 20 Dec 2023 20:33

Instrument :

BNA_G

ClientSampleId :

EO-02-121523

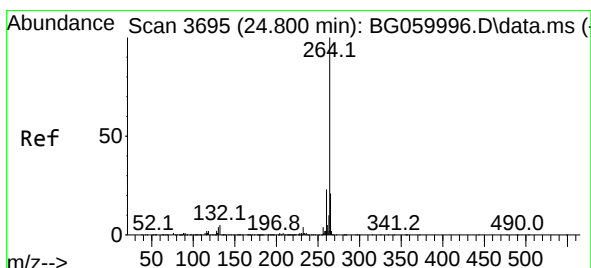
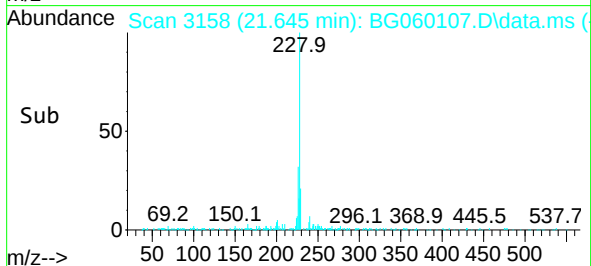
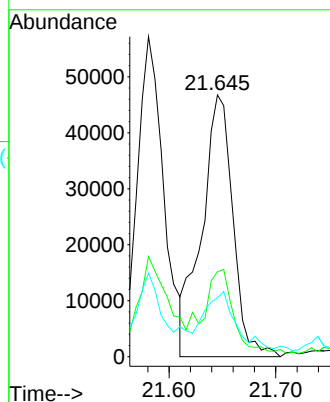
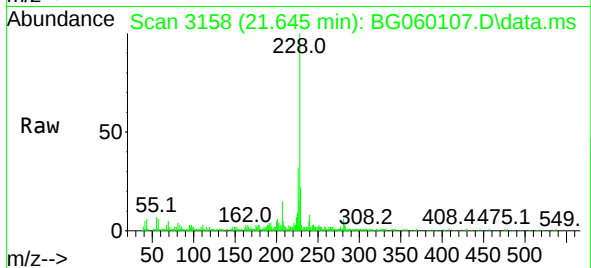
Tgt Ion:	228	Resp:	94979
Ion Ratio	Lower	Upper	
228	100		
226	32.5	25.0	37.6
229	22.5	16.2	24.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/21/2023

Supervised By :mohammad ahmed 12/21/2023



#86

Perylene-d12

Concen: 20.000 ng

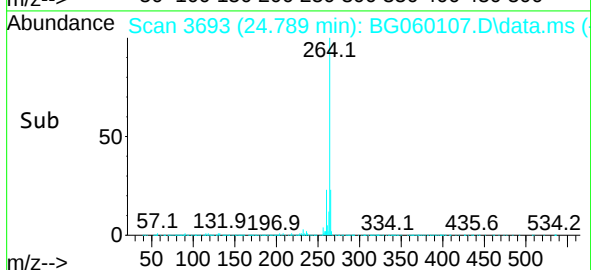
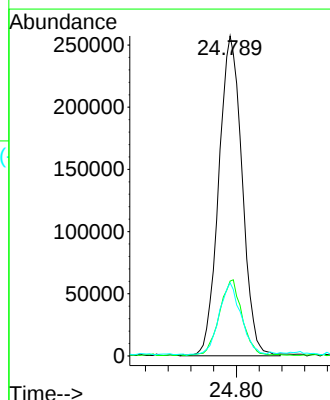
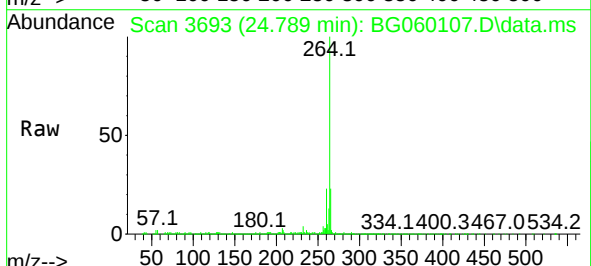
RT: 24.789 min Scan# 3693

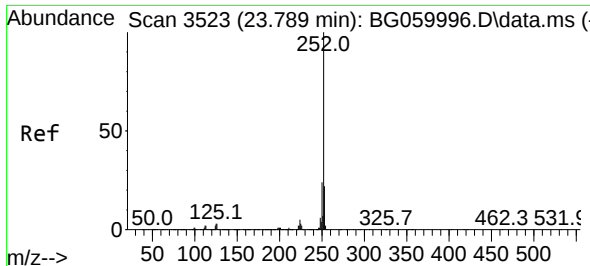
Delta R.T. -0.027 min

Lab File: BG060107.D

Acq: 20 Dec 2023 20:33

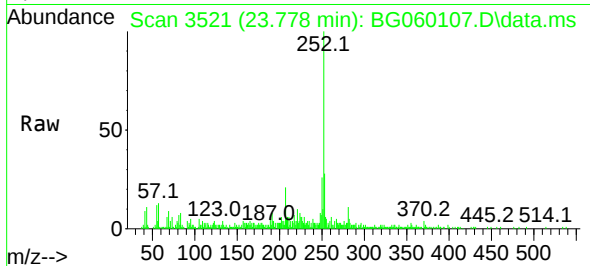
Tgt Ion:	264	Resp:	733530
Ion Ratio	Lower	Upper	
264	100		
260	23.4	18.5	27.7
265	22.9	17.3	25.9





#88
Benzo(b)fluoranthene
Concen: 2.619 ng
RT: 23.778 min Scan# 31
Delta R.T. -0.021 min
Lab File: BG060107.D
Acq: 20 Dec 2023 20:33

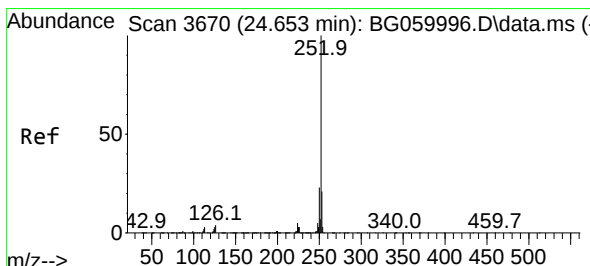
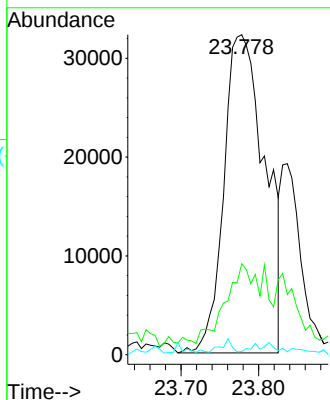
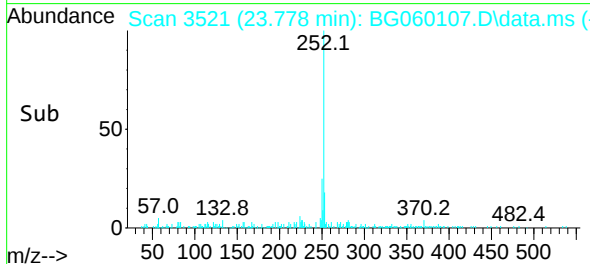
Instrument :
BNA_G
ClientSampleId :
EO-02-121523



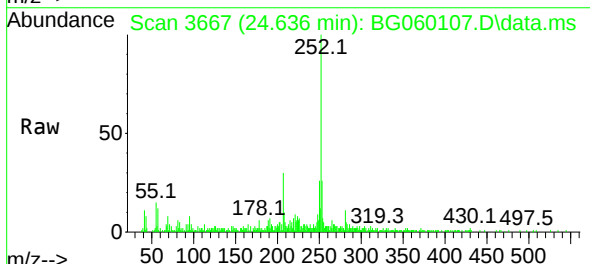
Tgt Ion:252 Resp: 11862
Ion Ratio Lower Upper
252 100
253 28.4 17.4 26.2
125 1.0 2.6 4.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#90
Benzo(a)pyrene
Concen: 2.171 ng
RT: 24.636 min Scan# 3667
Delta R.T. -0.027 min
Lab File: BG060107.D
Acq: 20 Dec 2023 20:33



Tgt Ion:252 Resp: 87149
Ion Ratio Lower Upper
252 100
253 25.9 17.1 25.7
125 2.8 2.6 4.0

