

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112123\
 Data File : BG059787.D
 Acq On : 21 Nov 2023 11:28
 Operator : MA/JU
 Sample : 05464-01 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-05-11162023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/23/2023
 Supervised By :mohammad ahmed 11/23/2023

Quant Time: Nov 22 09:48:37 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	8.324	152	21174	20.000	ng	#-0.02
21) Naphthalene-d8	11.179	136	89599	20.000	ng	#-0.01
39) Acenaphthene-d10	14.963	164	62952	20.000	ng	0.00
64) Phenanthrene-d10	17.713	188	120902	20.000	ng	# 0.00
76) Chrysene-d12	22.037	240	176226	20.000	ng	#-0.01
86) Perylene-d12	25.621	264	192423	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.827	112	20280	16.121	ng	0.00
7) Phenol-d6	7.454	99	37120	19.912	ng	0.00
23) Nitrobenzene-d5	9.522	82	24228	10.327	ng	-0.02
42) 2,4,6-Tribromophenol	16.438	330	13463	18.849	ng	-0.02
45) 2-Fluorobiphenyl	13.576	172	58775	12.567	ng	-0.02
79) Terphenyl-d14	20.286	244	150730	12.627	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.754	178	48506	7.891	ng	# 94
72) Anthracene	17.848	178	13060	2.045	ng	96
75) Fluoranthene	19.746	202	158867	21.551	ng	97
78) Pyrene	20.110	202	128319	10.702	ng	94
81) Benzo(a)anthracene	22.013	228	69444	5.759	ng	# 94
83) Chrysene	22.013	228	69444	6.283	ng	97
88) Benzo(b)fluoranthene	24.458	252	92440	8.765	ng	# 97
89) Benzo(k)fluoranthene	24.458	252	92440	8.866	ng	100
90) Benzo(a)pyrene	25.445	252	71233	6.329	ng	# 99

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

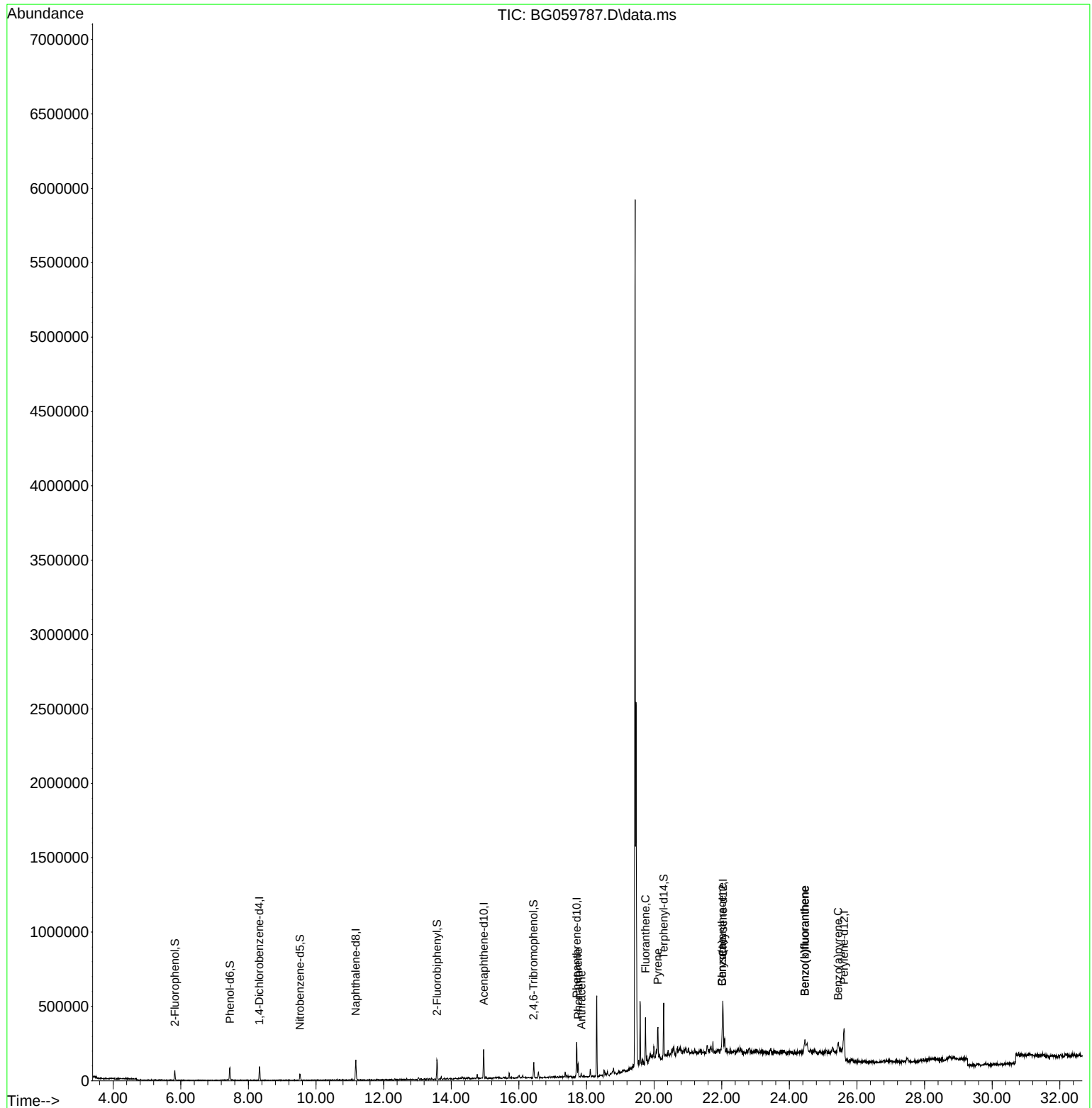
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112123\
Data File : BG059787.D
Acq On : 21 Nov 2023 11:28
Operator : MA/JU
Sample : 05464-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

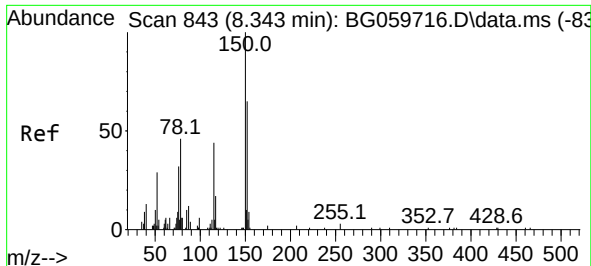
Instrument :
BNA_G
ClientSampleId :
TR-05-11162023

Quant Time: Nov 22 09:48:37 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
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.324 min Scan# 843
Delta R.T. -0.019 min
Lab File: BG059787.D
Acq: 21 Nov 2023 11:28

Instrument :

BNA_G

ClientSampleId :

TR-05-11162023

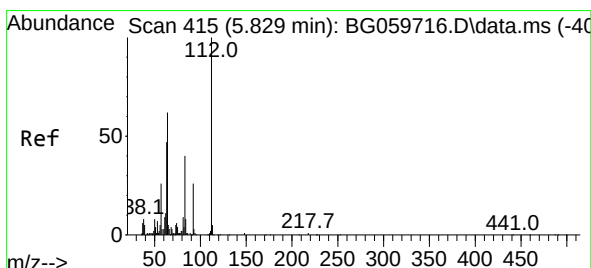
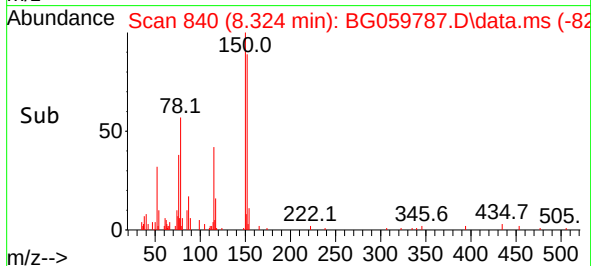
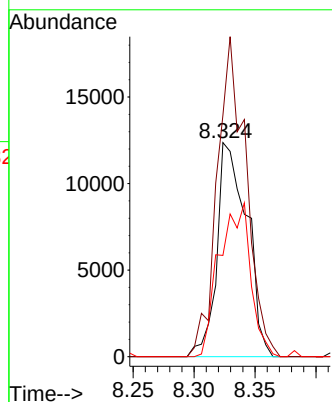
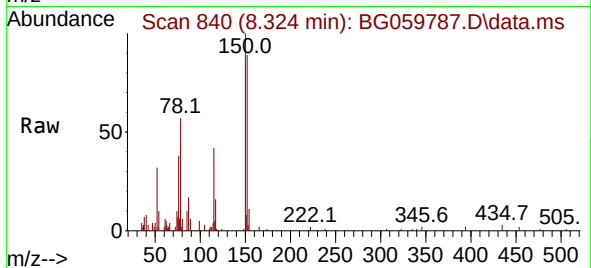
Tgt Ion:152 Resp: 21174
Ion Ratio Lower Upper
152 100
150 112.8 122.2 183.4
115 47.3 54.2 81.4

Manual Integrations

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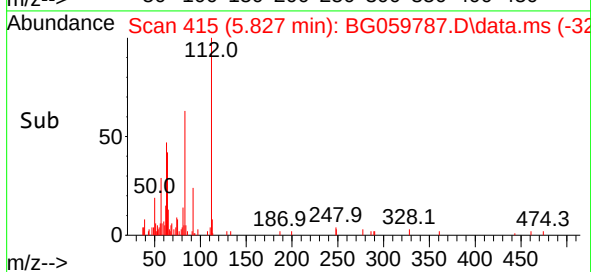
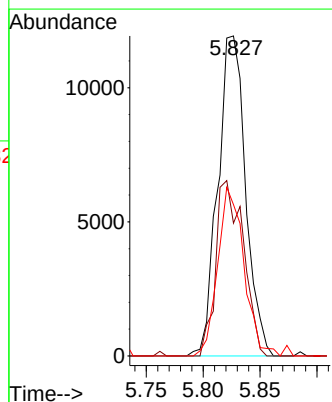
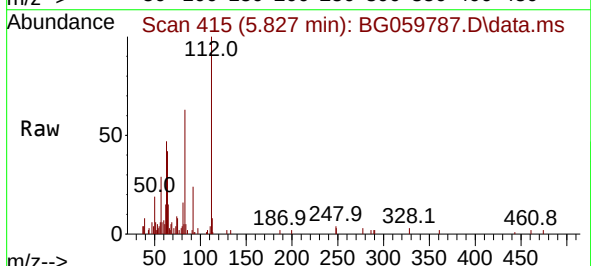
Reviewed By :Yogesh Patel 11/23/2023

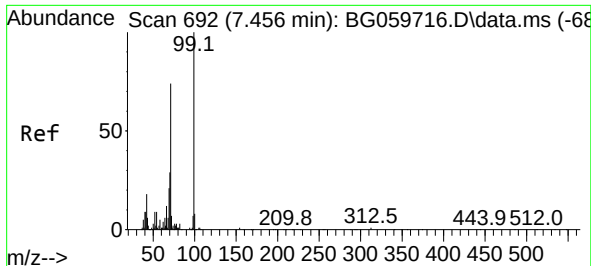
Supervised By :mohammad ahmed 11/23/2023



#5
2-Fluorophenol
Concen: 16.121 ng
RT: 5.827 min Scan# 415
Delta R.T. -0.002 min
Lab File: BG059787.D
Acq: 21 Nov 2023 11:28

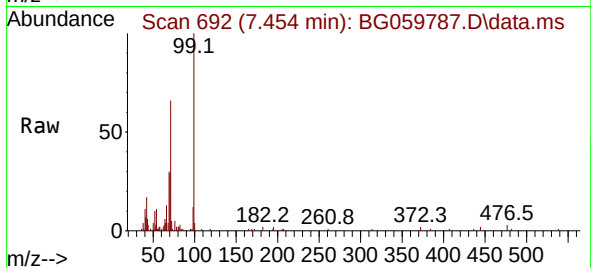
Tgt Ion:112 Resp: 20280
Ion Ratio Lower Upper
112 100
64 41.5 49.5 74.3
63 47.3 37.4 56.2





#7
Phenol-d6
Concen: 19.912 ng
RT: 7.454 min Scan# 692
Delta R.T. -0.002 min
Lab File: BG059787.D
Acq: 21 Nov 2023 11:28

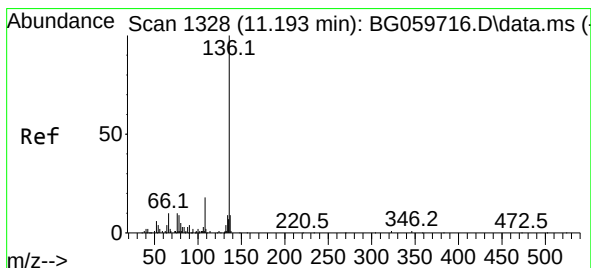
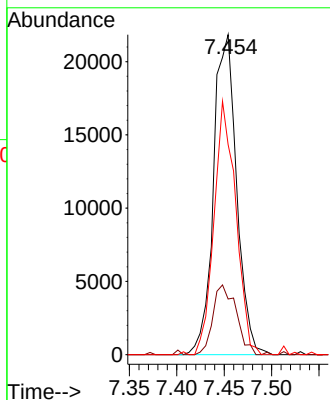
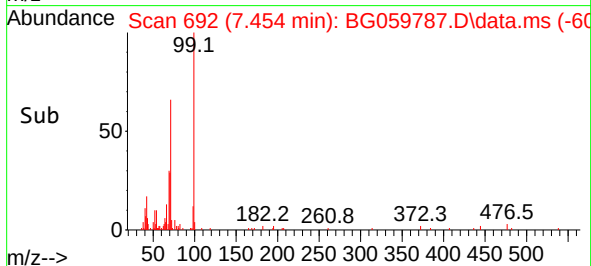
Instrument :
BNA_G
ClientSampleId :
TR-05-11162023



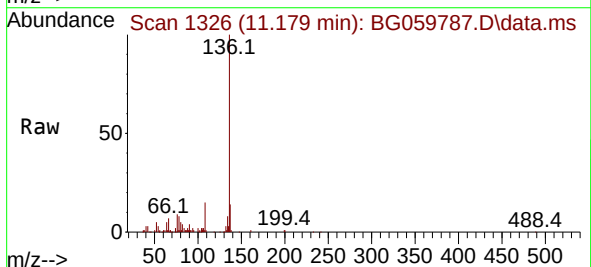
Tgt Ion	Ratio	Lower	Upper
99	100		
42	17.4	14.3	21.5
71	65.7	59.3	88.9

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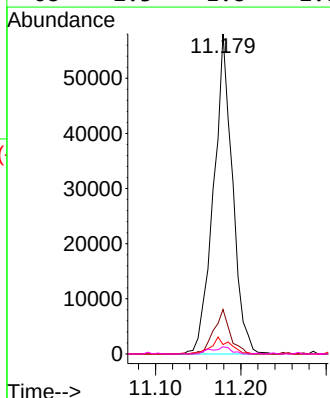
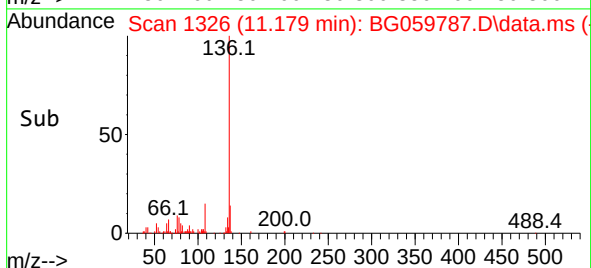
Reviewed By :Yogesh Patel 11/23/2023
Supervised By :mohammad ahmed 11/23/2023

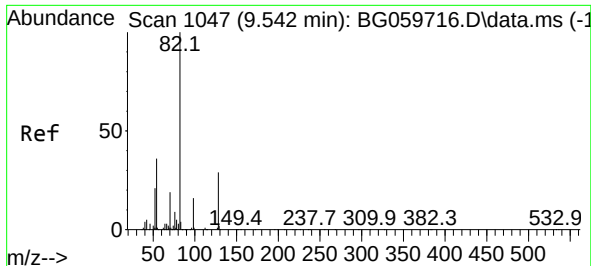


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.179 min Scan# 1326
Delta R.T. -0.014 min
Lab File: BG059787.D
Acq: 21 Nov 2023 11:28



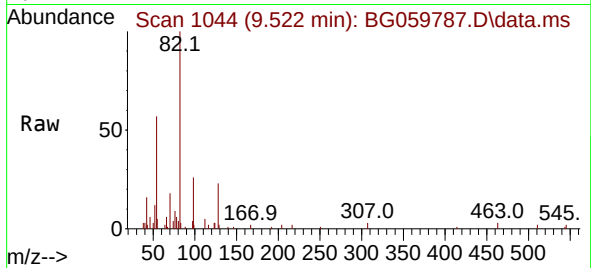
Tgt Ion	Ratio	Lower	Upper
136	100		
137	13.9	7.4	11.0#
54	2.9	3.1	4.7#
68	2.3	1.8	2.8





#23
Nitrobenzene-d5
Concen: 10.327 ng
RT: 9.522 min Scan# 1044
Delta R.T. -0.020 min
Lab File: BG059787.D
Acq: 21 Nov 2023 11:28

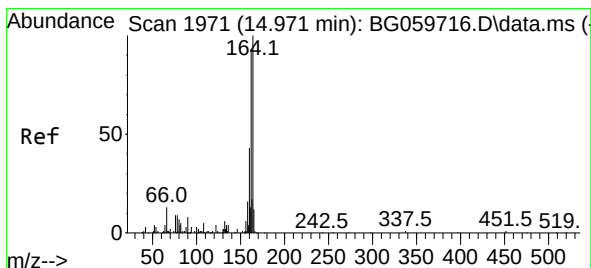
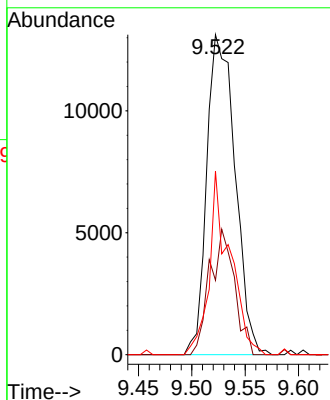
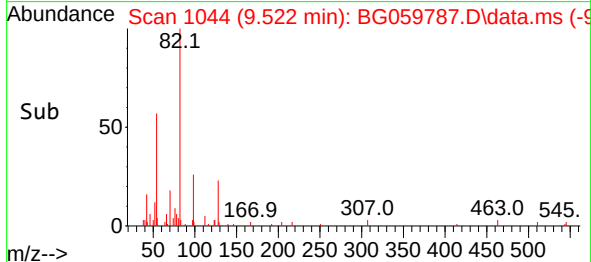
Instrument :
BNA_G
ClientSampleId :
TR-05-11162023



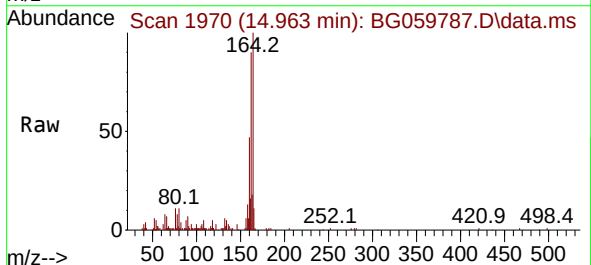
Tgt Ion: 82 Resp: 24228
Ion Ratio Lower Upper
82 100
128 23.2 23.0 34.6
54 57.4 28.7 43.1

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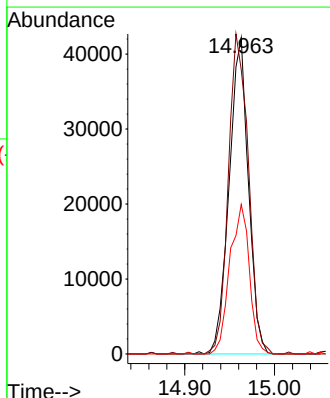
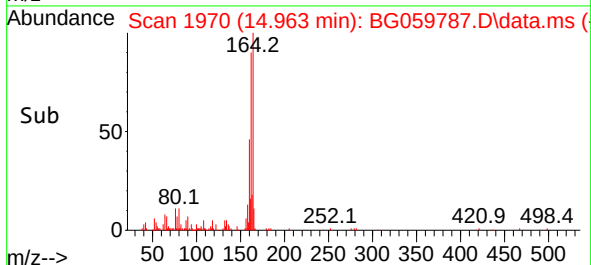
Reviewed By :Yogesh Patel 11/23/2023
Supervised By :mohammad ahmed 11/23/2023

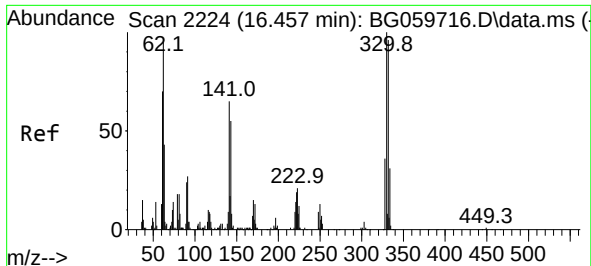


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.963 min Scan# 1970
Delta R.T. -0.008 min
Lab File: BG059787.D
Acq: 21 Nov 2023 11:28



Tgt Ion:164 Resp: 62952
Ion Ratio Lower Upper
164 100
162 89.9 73.3 109.9
160 47.3 34.1 51.1





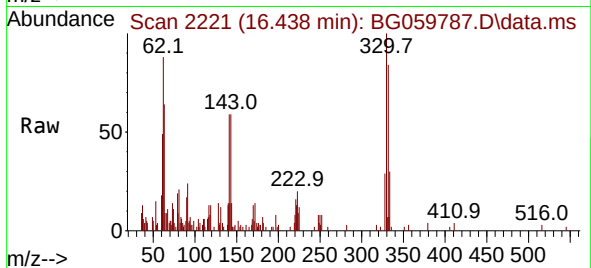
#42
2,4,6-Tribromophenol
Concen: 18.849 ng
RT: 16.438 min Scan# 21
Delta R.T. -0.020 min
Lab File: BG059787.D
Acq: 21 Nov 2023 11:28

Instrument :

BNA_G

ClientSampleId :

TR-05-11162023



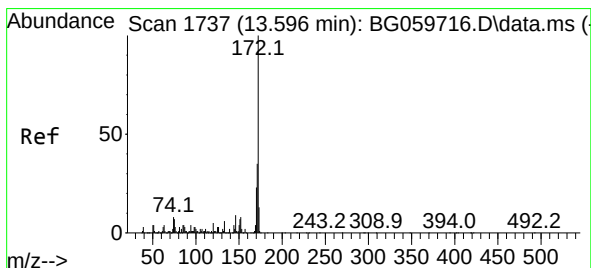
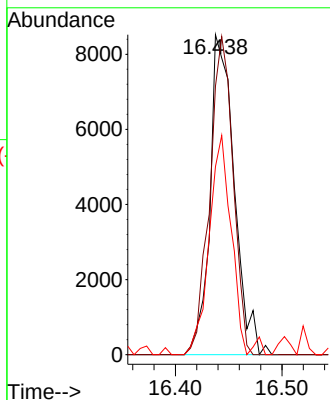
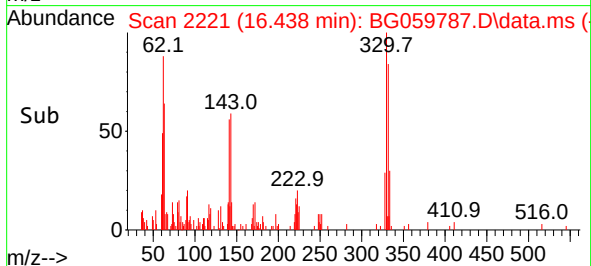
Tgt Ion:330 Resp: 1346
Ion Ratio Lower Upper
330 100
332 95.6 73.3 109.9
141 62.4 52.1 78.1

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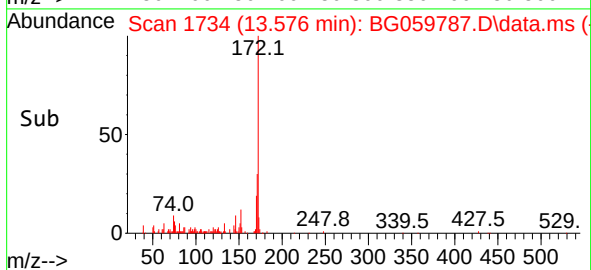
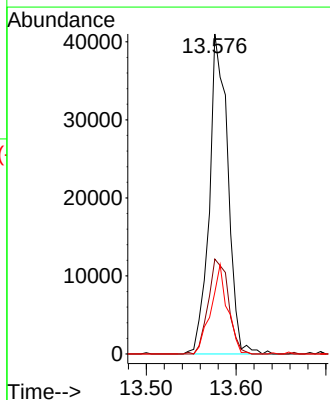
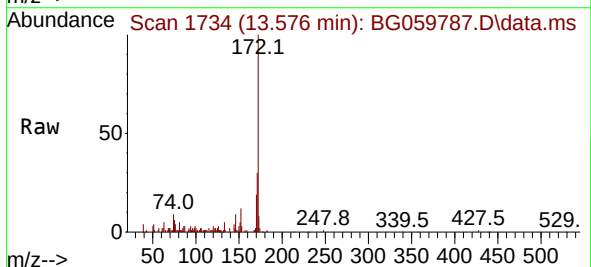
Reviewed By :Yogesh Patel 11/23/2023

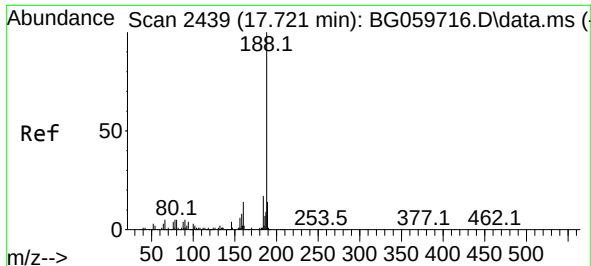
Supervised By :mohammad ahmed 11/23/2023



#45
2-Fluorobiphenyl
Concen: 12.567 ng
RT: 13.576 min Scan# 1734
Delta R.T. -0.020 min
Lab File: BG059787.D
Acq: 21 Nov 2023 11:28

Tgt Ion:172 Resp: 58775
Ion Ratio Lower Upper
172 100
171 29.6 27.7 41.5
170 19.3 18.4 27.6





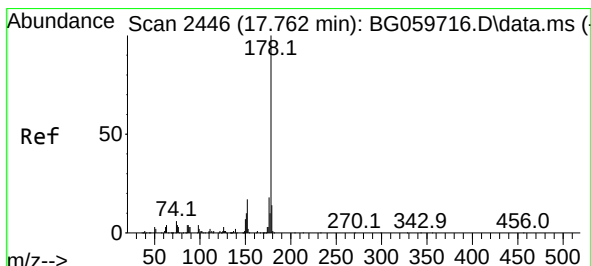
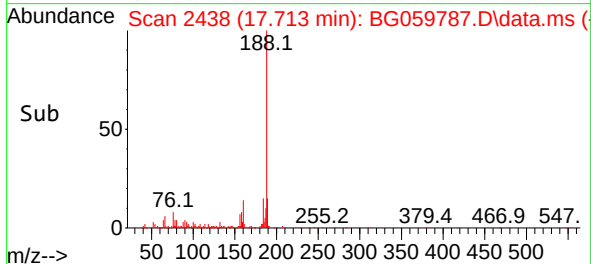
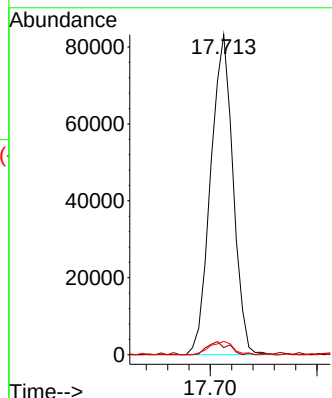
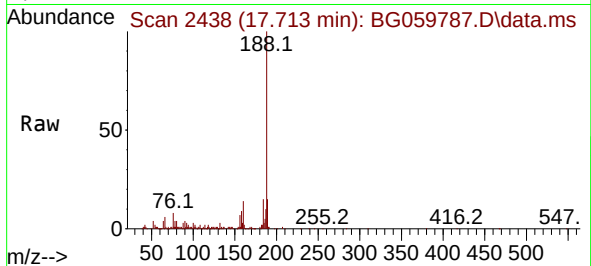
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.713 min Scan# 2438
Delta R.T. -0.008 min
Lab File: BG059787.D
Acq: 21 Nov 2023 11:28

Instrument :
BNA_G
ClientSampleId :
TR-05-11162023

Tgt Ion:188 Resp: 120902
Ion Ratio Lower Upper
188 100
94 2.2 3.0 4.4
80 4.2 4.2 6.4

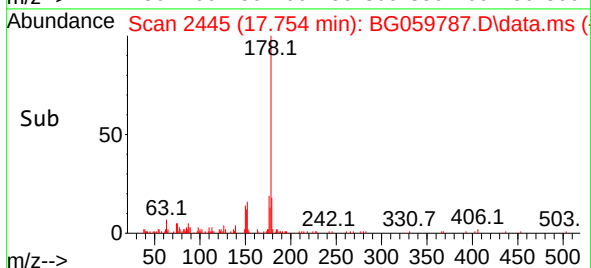
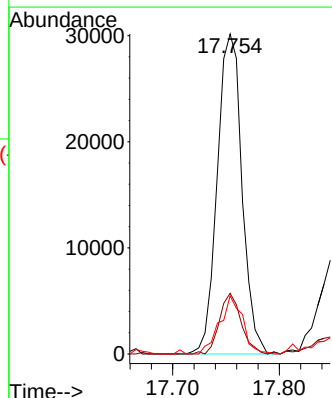
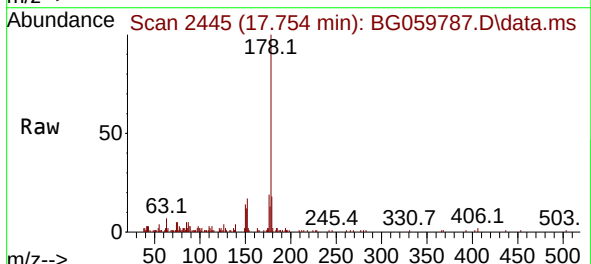
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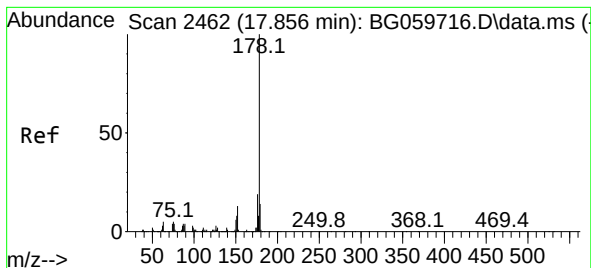
Reviewed By :Yogesh Patel 11/23/2023
Supervised By :mohammad ahmed 11/23/2023



#71
Phenanthrene
Concen: 7.891 ng
RT: 17.754 min Scan# 2445
Delta R.T. -0.008 min
Lab File: BG059787.D
Acq: 21 Nov 2023 11:28

Tgt Ion:178 Resp: 48506
Ion Ratio Lower Upper
178 100
176 19.0 14.5 21.7
179 18.1 11.2 16.8





#72

Anthracene

Concen: 2.045 ng

RT: 17.848 min Scan# 24

Delta R.T. -0.008 min

Lab File: BG059787.D

Acq: 21 Nov 2023 11:28

Instrument :

BNA_G

ClientSampleId :

TR-05-11162023

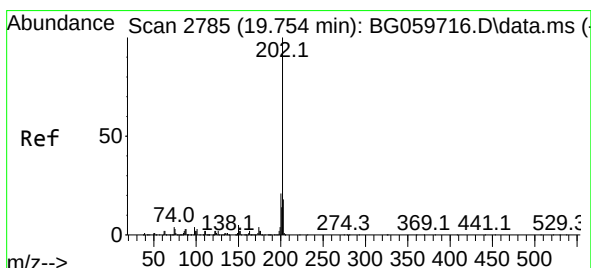
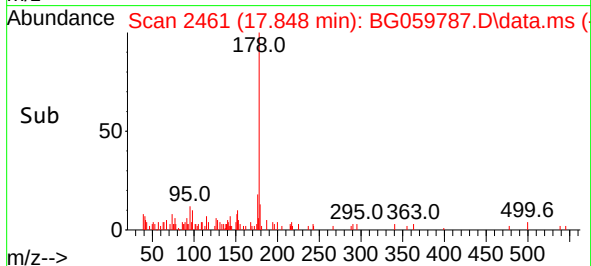
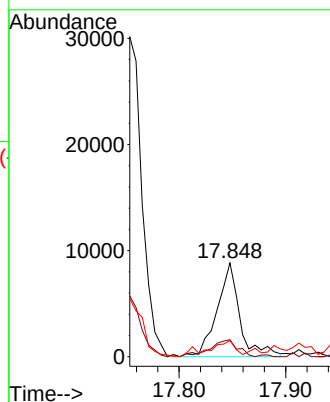
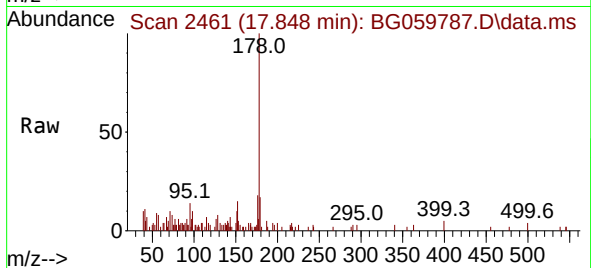
Tgt Ion:178 Resp: 13060
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.0 22.4
 179 17.2 11.5 17.3

Manual Integrations

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Supervised By :mohammad ahmed 11/23/2023



#75

Fluoranthene

Concen: 21.551 ng

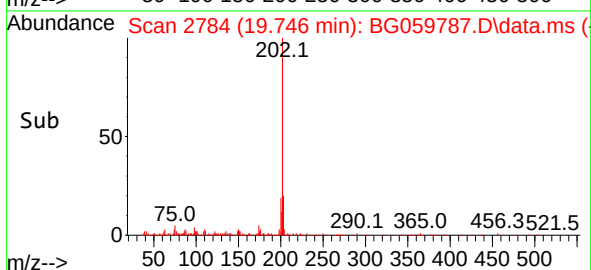
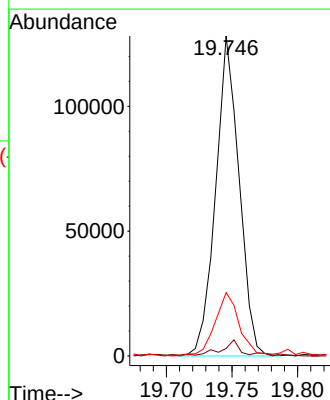
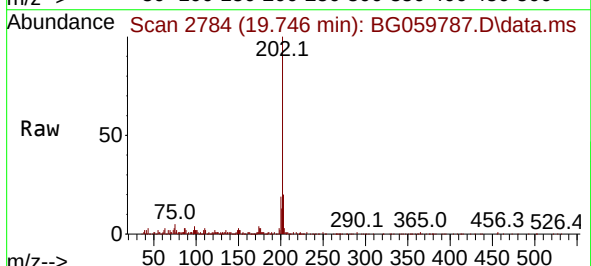
RT: 19.746 min Scan# 2784

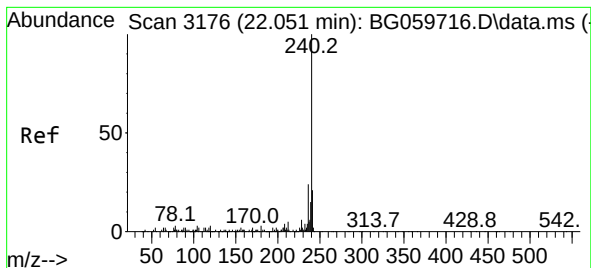
Delta R.T. -0.008 min

Lab File: BG059787.D

Acq: 21 Nov 2023 11:28

Tgt Ion:202 Resp: 158867
 Ion Ratio Lower Upper
 202 100
 101 2.4 0.0 22.7
 203 19.8 0.0 38.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.037 min Scan# 3176

Delta R.T. -0.014 min

Lab File: BG059787.D

Acq: 21 Nov 2023 11:28

Instrument :

BNA_G

ClientSampleId :

TR-05-11162023

Tgt Ion:240 Resp: 176220

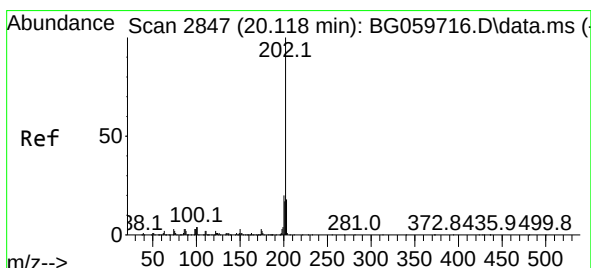
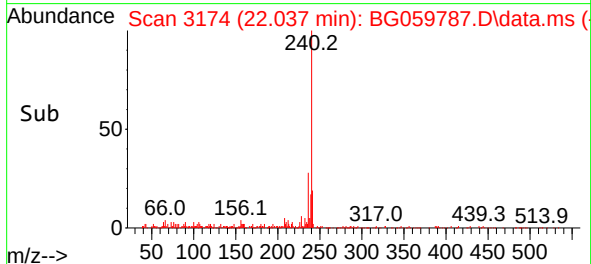
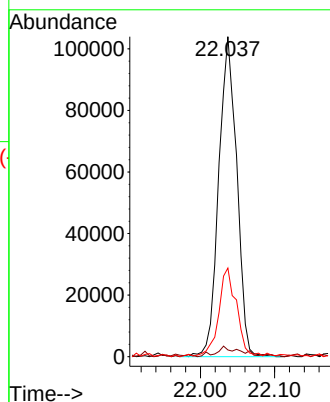
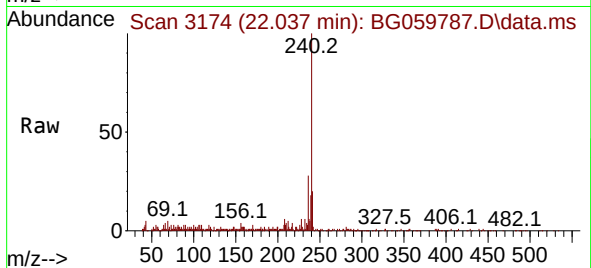
Ion	Ratio	Lower	Upper
240	100		
120	2.1	2.2	3.2
236	27.7	19.4	29.2

Manual Integrations

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Reviewed By :Yogesh Patel 11/23/2023

Supervised By :mohammad ahmed 11/23/2023



#78

Pyrene

Concen: 10.702 ng

RT: 20.110 min Scan# 2846

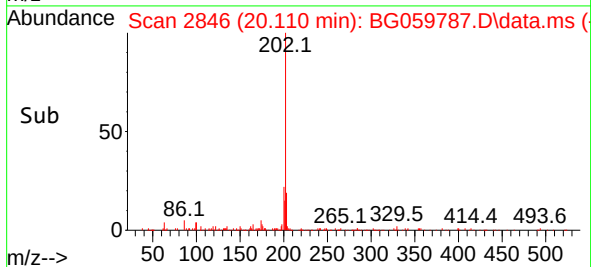
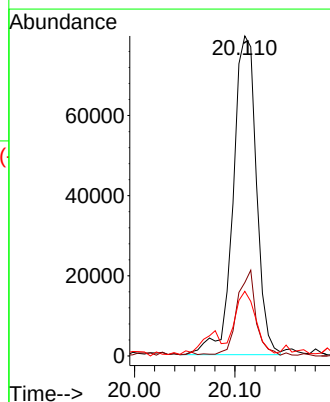
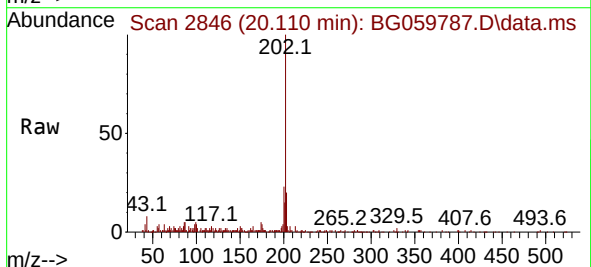
Delta R.T. -0.008 min

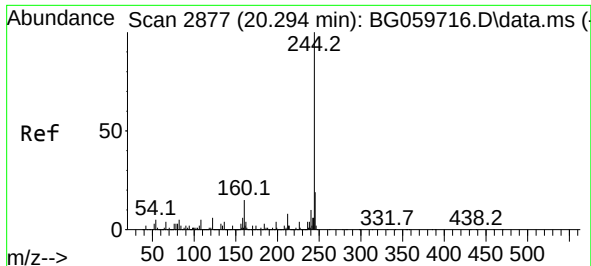
Lab File: BG059787.D

Acq: 21 Nov 2023 11:28

Tgt Ion:202 Resp: 128319

Ion	Ratio	Lower	Upper
202	100		
200	22.9	16.2	24.4
203	20.2	14.0	21.0





#79
 Terphenyl-d14
 Concen: 12.627 ng
 RT: 20.286 min Scan# 21
 Delta R.T. -0.008 min
 Lab File: BG059787.D
 Acq: 21 Nov 2023 11:28

Instrument :

BNA_G

ClientSampleId :

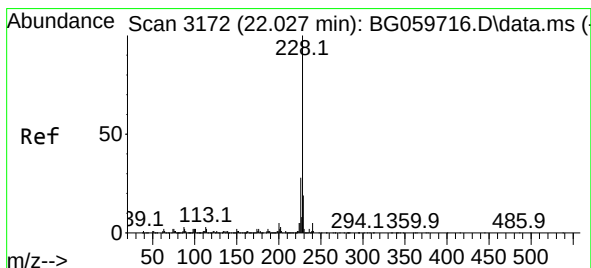
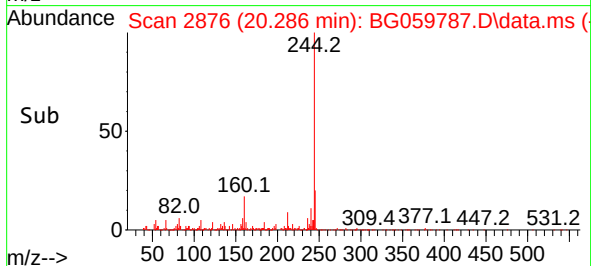
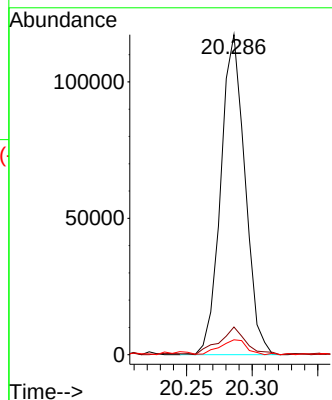
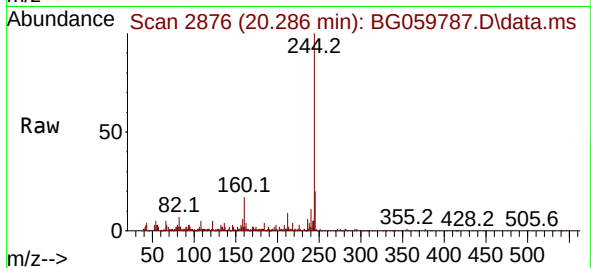
TR-05-11162023

Tgt Ion:244 Resp: 150730
 Ion Ratio Lower Upper
 244 100
 212 8.6 6.6 10.0
 122 4.7 4.4 6.6

Manual Integrations

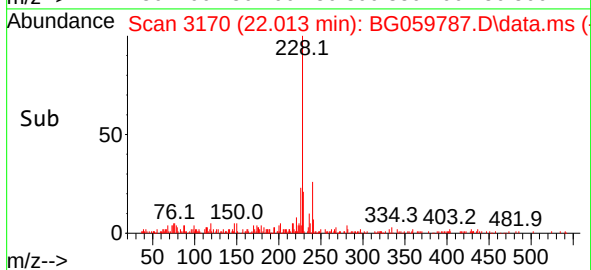
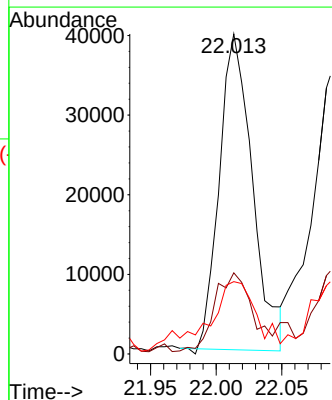
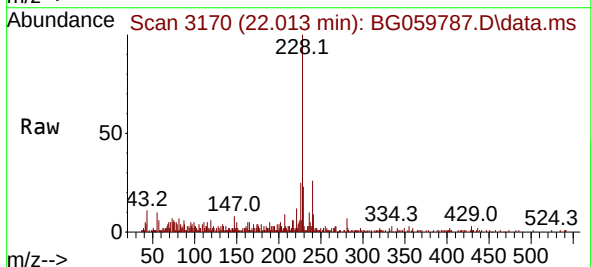
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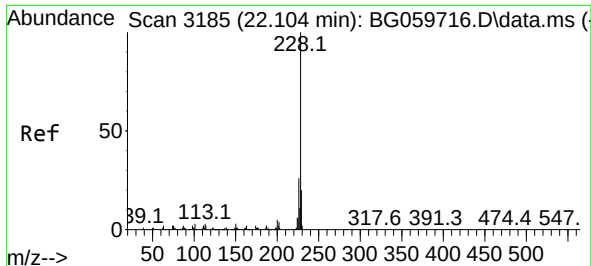
Reviewed By :Yogesh Patel 11/23/2023
 Supervised By :mohammad ahmed 11/23/2023



#81
 Benzo(a)anthracene
 Concen: 5.759 ng
 RT: 22.013 min Scan# 3170
 Delta R.T. -0.014 min
 Lab File: BG059787.D
 Acq: 21 Nov 2023 11:28

Tgt Ion:228 Resp: 69444
 Ion Ratio Lower Upper
 228 100
 226 25.3 22.1 33.1
 229 22.6 14.9 22.3#





#83

Chrysene

Concen: 6.283 ng

RT: 22.013 min Scan# 31

Delta R.T. -0.090 min

Lab File: BG059787.D

Acq: 21 Nov 2023 11:28

Instrument :

BNA_G

ClientSampleId :

TR-05-11162023

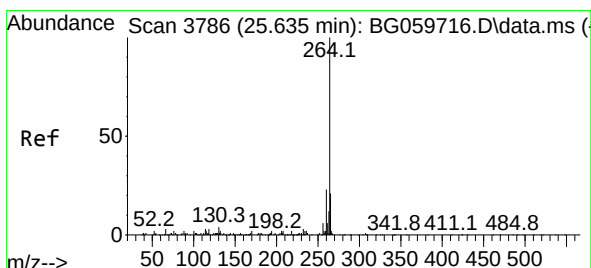
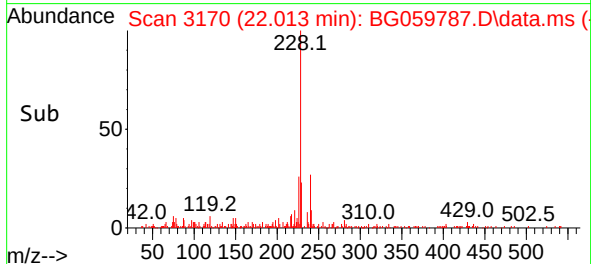
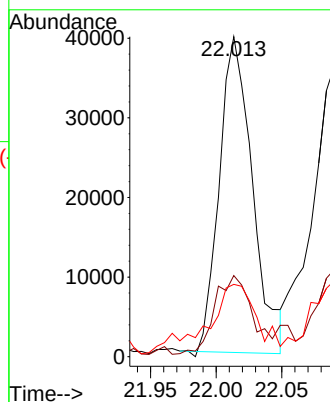
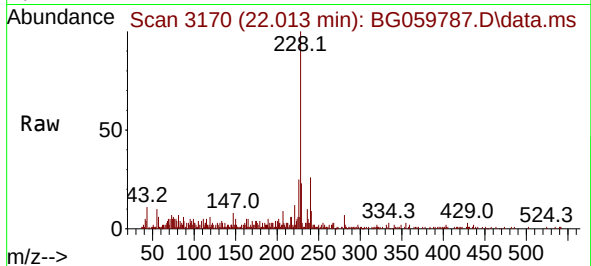
Tgt Ion:228	Resp: 6944
Ion Ratio	Lower Upper
228 100	
226 25.3	21.1 31.7
229 22.6	16.2 24.4

Manual Integrations

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Reviewed By :Yogesh Patel 11/23/2023

Supervised By :mohammad ahmed 11/23/2023



#86

Perylene-d12

Concen: 20.000 ng

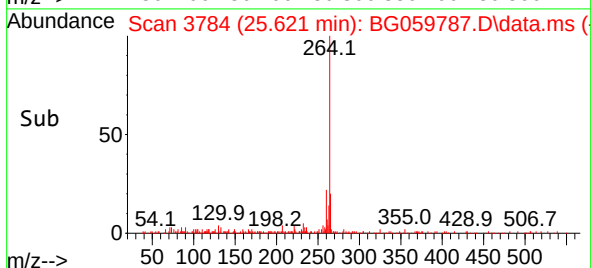
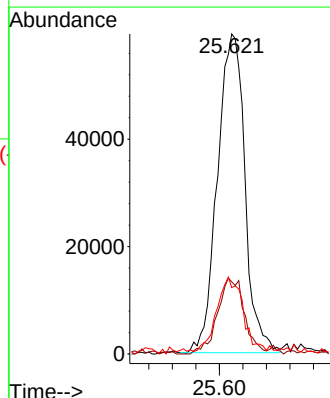
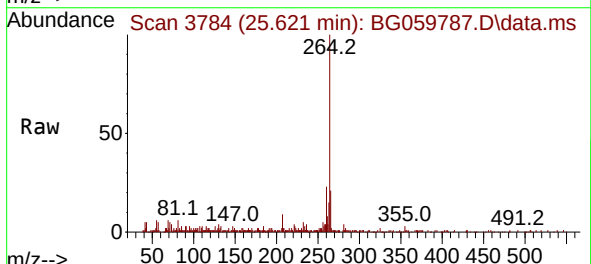
RT: 25.621 min Scan# 3784

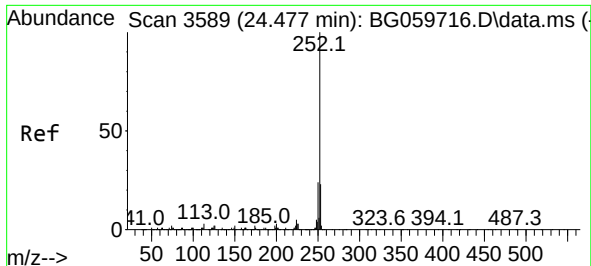
Delta R.T. -0.014 min

Lab File: BG059787.D

Acq: 21 Nov 2023 11:28

Tgt Ion:264	Resp: 192423
Ion Ratio	Lower Upper
264 100	
260 22.6	18.5 27.7
265 20.7	17.0 25.6





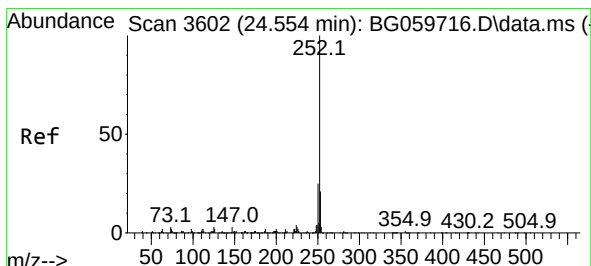
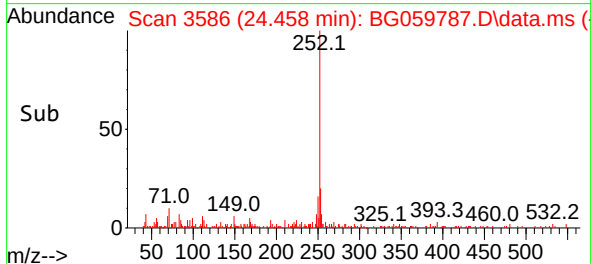
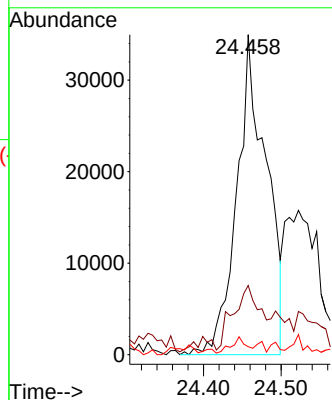
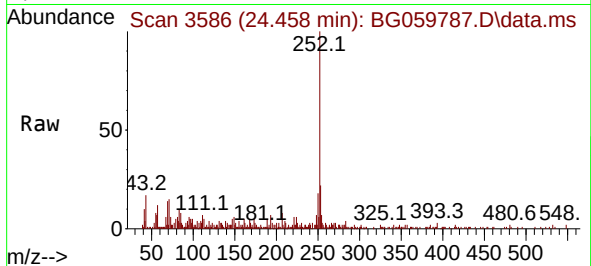
#88
Benzo(b)fluoranthene
Concen: 8.765 ng
RT: 24.458 min Scan# 3586
Delta R.T. -0.020 min
Lab File: BG059787.D
Acq: 21 Nov 2023 11:28

Instrument :
BNA_G
ClientSampleId :
TR-05-11162023

Tgt Ion:252 Resp: 92440
Ion Ratio Lower Upper
252 100
253 21.6 18.3 27.5
125 2.5 1.4 2.0

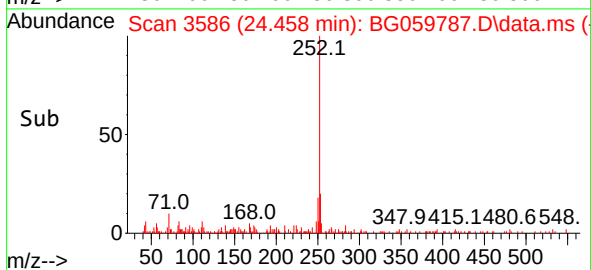
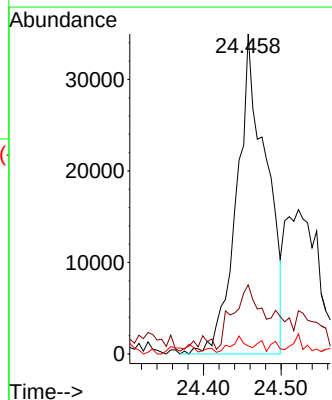
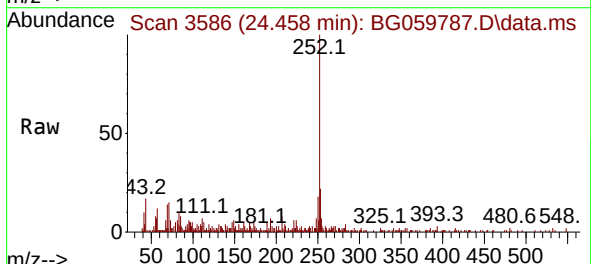
Manual Integrations
APPROVED

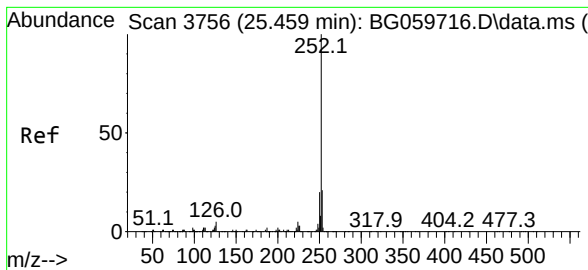
Reviewed By :Yogesh Patel 11/23/2023
Supervised By :mohammad ahmed 11/23/2023



#89
Benzo(k)fluoranthene
Concen: 8.866 ng
RT: 24.458 min Scan# 3586
Delta R.T. -0.096 min
Lab File: BG059787.D
Acq: 21 Nov 2023 11:28

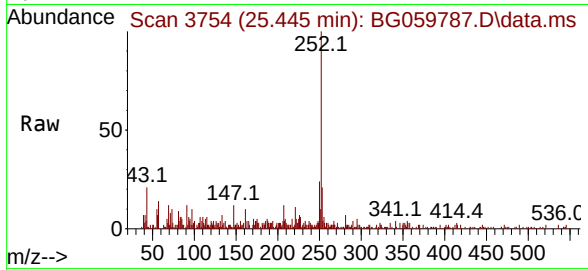
Tgt Ion:252 Resp: 92440
Ion Ratio Lower Upper
252 100
253 21.6 17.1 25.7
125 2.5 2.2 3.2





#90
 Benzo(a)pyrene
 Concen: 6.329 ng
 RT: 25.445 min Scan# 31
 Delta R.T. -0.014 min
 Lab File: BG059787.D
 Acq: 21 Nov 2023 11:28

Instrument :
 BNA_G
 ClientSampleId :
 TR-05-11162023



Tgt Ion: 252 Resp: 7123

Ion	Ratio	Lower	Upper
252	100		
253	20.8	16.8	25.2
125	1.7	2.0	3.0

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/23/2023
 Supervised By :mohammad ahmed 11/23/2023

