

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122023\
 Data File : BG060108.D
 Acq On : 20 Dec 2023 21:13
 Operator : MA/JU
 Sample : 05882-01 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-121523

Manual Integrations
 APPROVED

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

Quant Time: Dec 21 02:41:32 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	7.949	152	49982	20.000	ng	0.00
21) Naphthalene-d8	10.752	136	165558	20.000	ng	# 0.00
39) Acenaphthene-d10	14.588	164	155677	20.000	ng	0.00
64) Phenanthrene-d10	17.332	188	455395	20.000	ng	#-0.02
76) Chrysene-d12	21.609	240	598676	20.000	ng	# 0.00
86) Perylene-d12	24.800	264	698263	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	18269	6.257	ng	0.00
7) Phenol-d6	7.109	99	30436	7.411	ng	0.00
23) Nitrobenzene-d5	9.112	82	25897	7.103	ng	0.00
42) 2,4,6-Tribromophenol	16.075	330	35966	9.913	ng	0.00
45) 2-Fluorobiphenyl	13.208	172	86115	6.770	ng	0.00
79) Terphenyl-d14	19.958	244	226376	6.904	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.379	178	133372	6.046	ng	96
75) Fluoranthene	19.394	202	316801	9.842	ng	96
78) Pyrene	19.759	202	350203	9.650	ng	97
81) Benzo(a)anthracene	21.586	228	262676	6.532	ng	97
83) Chrysene	21.651	228	255570	6.708	ng	91
87) Indeno(1,2,3-cd)pyrene	28.431	276	164770	3.306	ng	# 75
88) Benzo(b)fluoranthene	23.789	252	346035	8.024	ng	# 90
89) Benzo(k)fluoranthene	23.842	252	112347m	2.686	ng	
90) Benzo(a)pyrene	24.641	252	280137m	7.332	ng	
92) Benzo(g,h,i)perylene	29.571	276	151801	3.662	ng	# 94

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

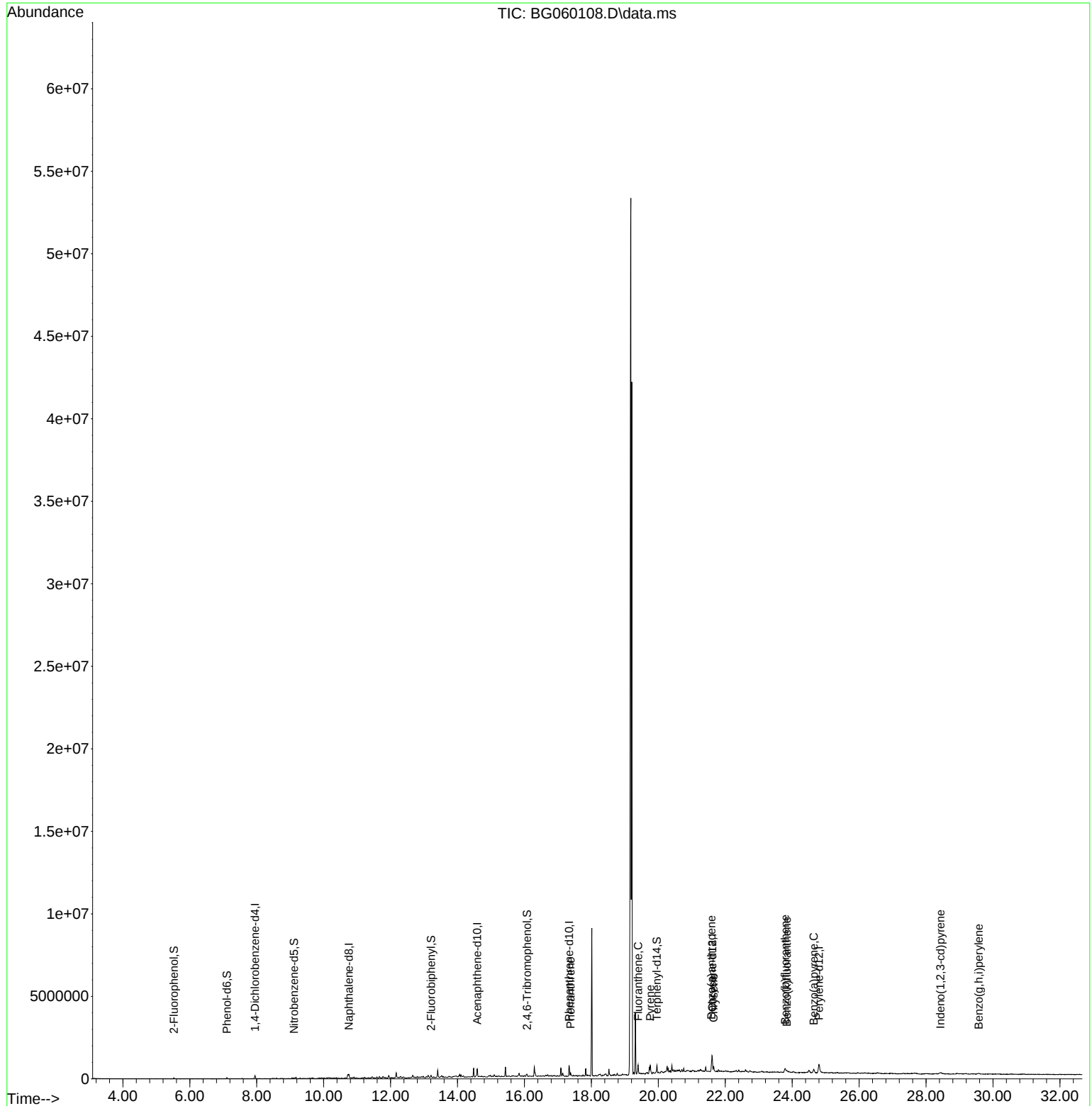
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122023\
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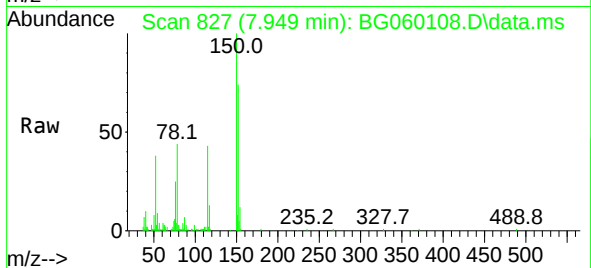
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.949 min Scan# 81
Delta R.T. -0.010 min
Lab File: BG060108.D
Acq: 20 Dec 2023 21:13

Instrument :

BNA_G

ClientSampleId :

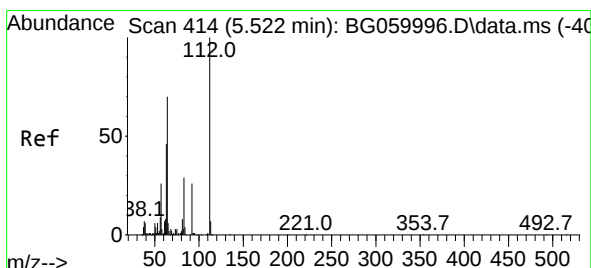
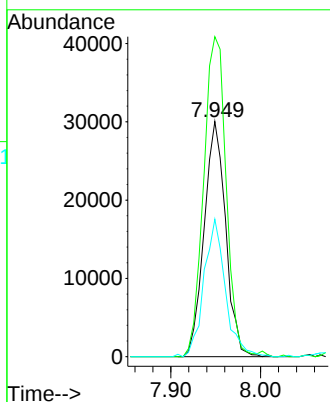
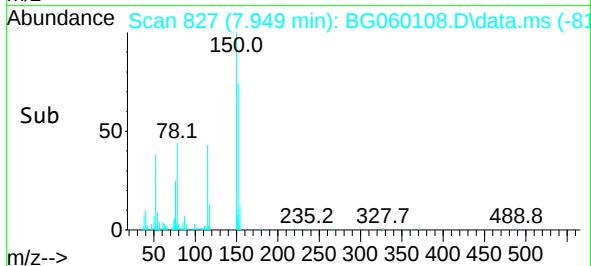
TR-04-121523



Tgt Ion:152 Resp: 4998
Ion Ratio Lower Upper
152 100
150 136.0 127.0 190.6
115 58.4 45.7 68.5

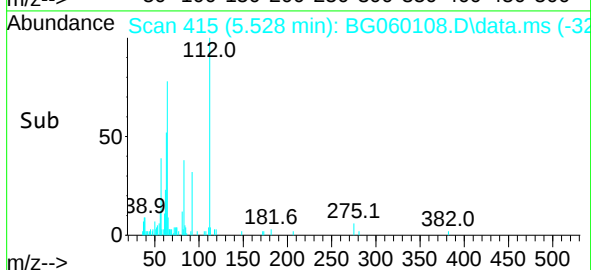
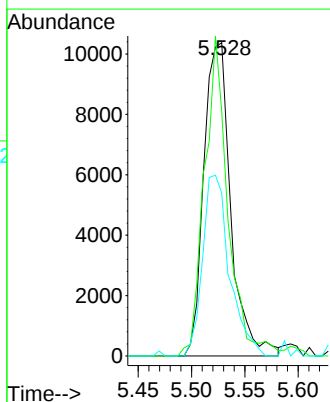
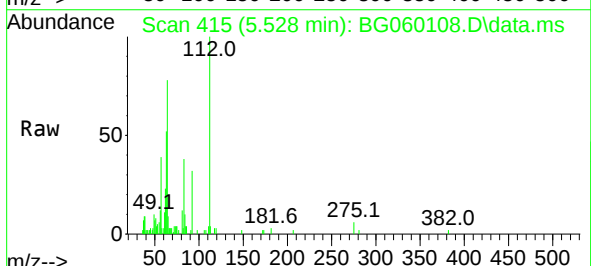
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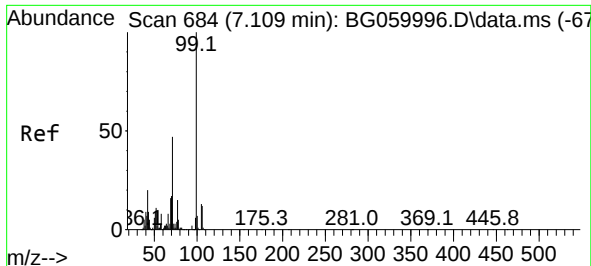
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#5
2-Fluorophenol
Concen: 6.257 ng
RT: 5.528 min Scan# 415
Delta R.T. 0.002 min
Lab File: BG060108.D
Acq: 20 Dec 2023 21:13

Tgt Ion:112 Resp: 18269
Ion Ratio Lower Upper
112 100
64 78.1 55.9 83.9
63 52.0 36.5 54.7





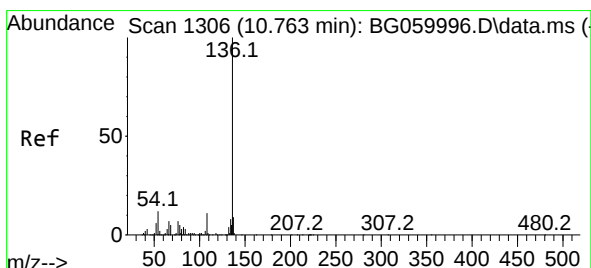
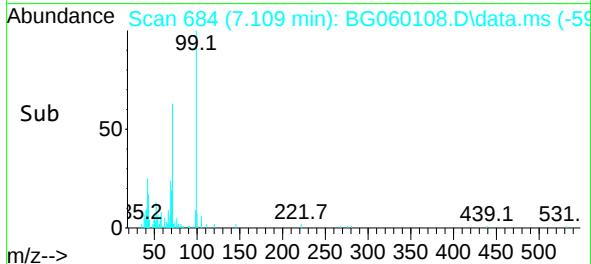
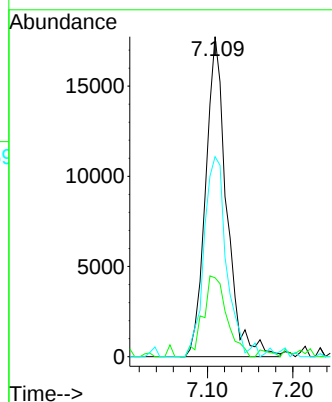
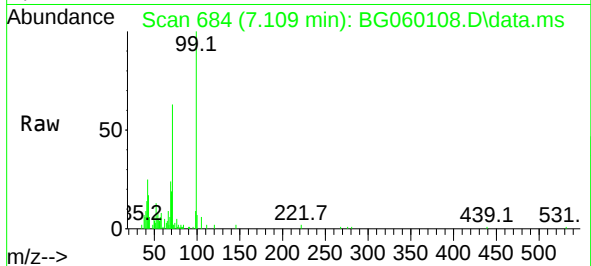
#7
Phenol-d6
Concen: 7.411 ng
RT: 7.109 min Scan# 684
Delta R.T. -0.004 min
Lab File: BG060108.D
Acq: 20 Dec 2023 21:13

Instrument :
BNA_G
ClientSampleId :
TR-04-121523

Tgt Ion: 99 Resp: 30430
Ion Ratio Lower Upper
99 100
42 24.6 16.2 24.4#
71 62.5 37.6 56.4#

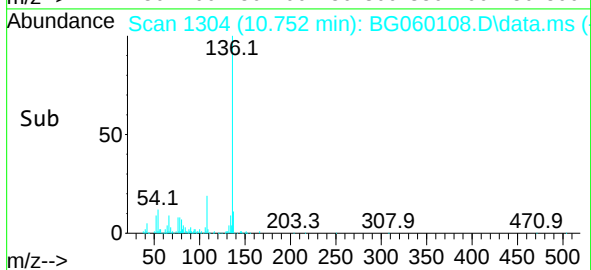
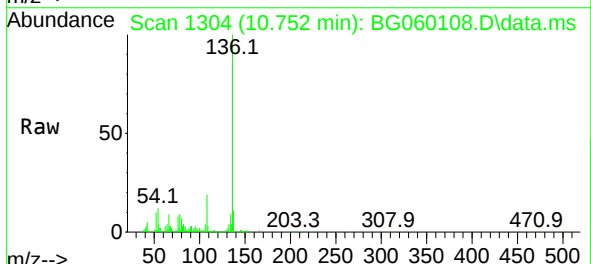
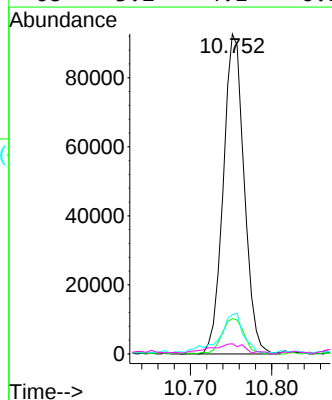
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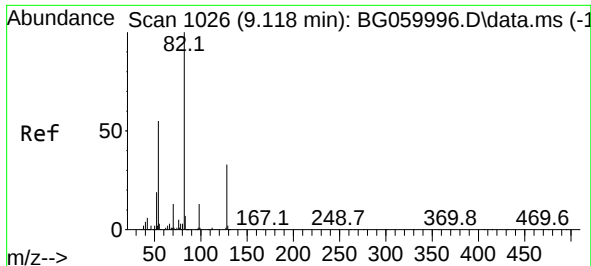
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.752 min Scan# 1304
Delta R.T. -0.010 min
Lab File: BG060108.D
Acq: 20 Dec 2023 21:13

Tgt Ion:136 Resp: 165558
Ion Ratio Lower Upper
136 100
137 11.1 7.3 10.9#
54 12.4 9.6 14.4
68 3.2 4.1 6.1#





#23
Nitrobenzene-d5
Concen: 7.103 ng
RT: 9.112 min Scan# 1026
Delta R.T. -0.010 min
Lab File: BG060108.D
Acq: 20 Dec 2023 21:13

Instrument :

BNA_G

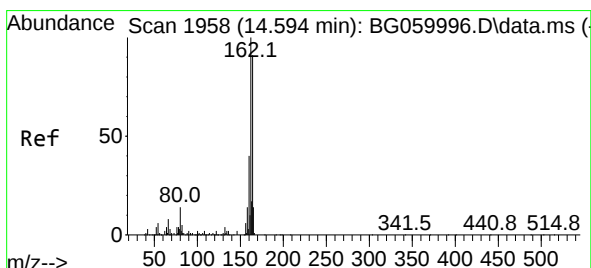
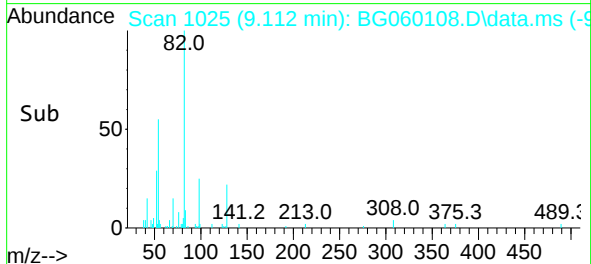
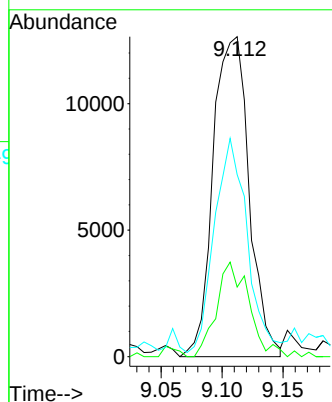
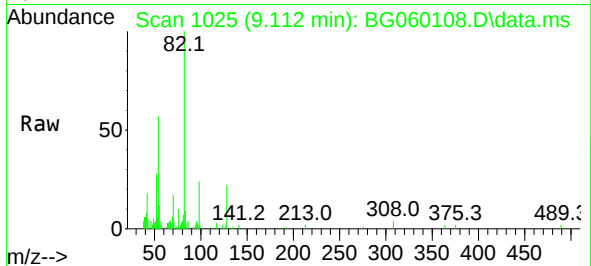
ClientSampleId :

TR-04-121523

Tgt Ion: 82 Resp: 2589
Ion Ratio Lower Upper
82 100
128 21.8 26.3 39.5
54 56.9 44.3 66.5

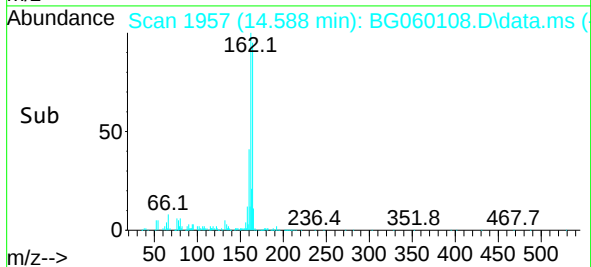
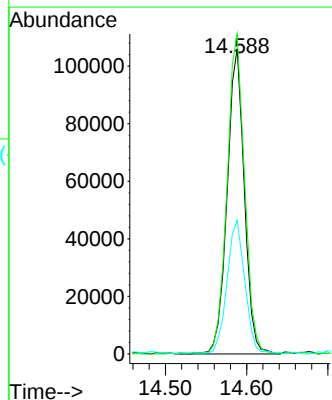
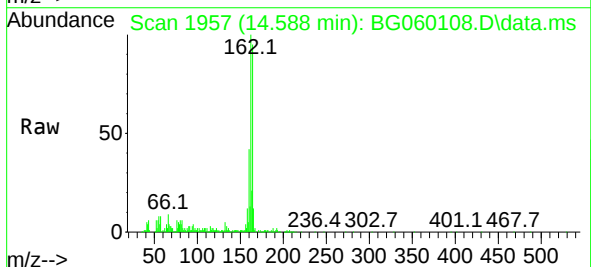
Manual Integrations
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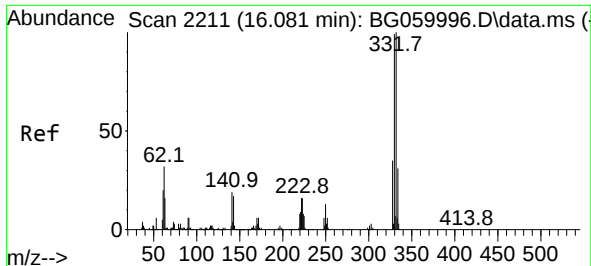
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.588 min Scan# 1957
Delta R.T. -0.010 min
Lab File: BG060108.D
Acq: 20 Dec 2023 21:13

Tgt Ion:164 Resp: 155677
Ion Ratio Lower Upper
164 100
162 104.8 88.1 132.1
160 43.8 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 9.913 ng

RT: 16.075 min Scan# 21

Delta R.T. -0.010 min

Lab File: BG060108.D

Acq: 20 Dec 2023 21:13

Instrument :

BNA_G

ClientSampleId :

TR-04-121523

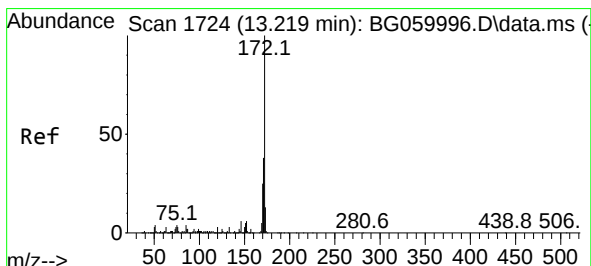
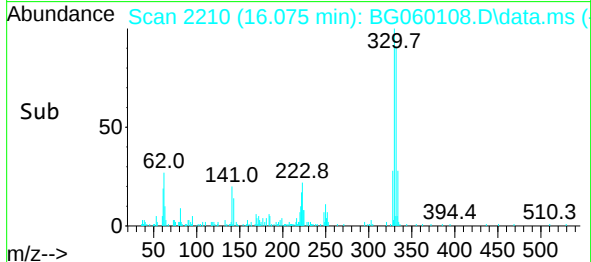
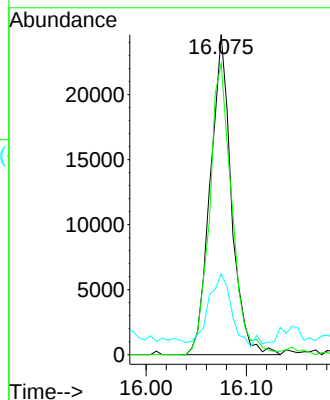
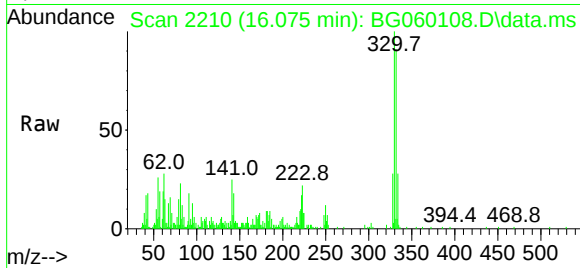
Tgt Ion:	330	Resp:	3596
Ion Ratio	Lower	Upper	
330	100		
332	96.5	76.2	114.4
141	24.6	14.3	21.5

Manual Integrations

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Reviewed By :Yogesh Patel 12/21/2023

Supervised By :mohammad ahmed 12/21/2023



#45

2-Fluorobiphenyl

Concen: 6.770 ng

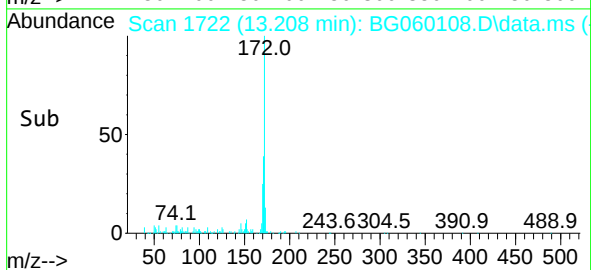
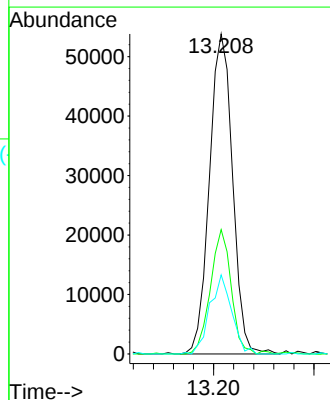
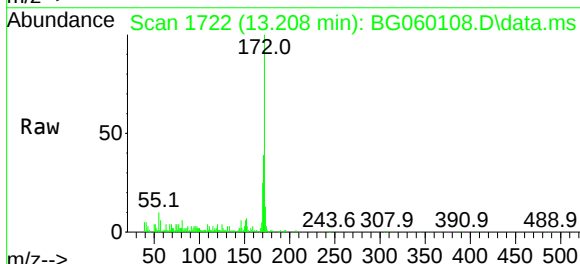
RT: 13.208 min Scan# 1722

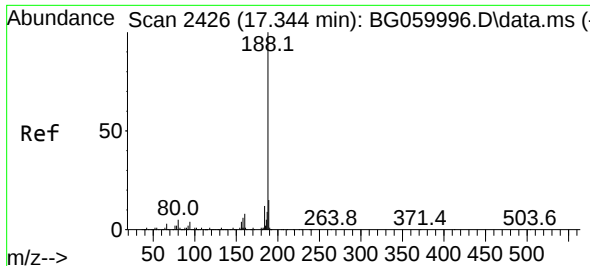
Delta R.T. -0.010 min

Lab File: BG060108.D

Acq: 20 Dec 2023 21:13

Tgt Ion:	172	Resp:	86115
Ion Ratio	Lower	Upper	
172	100		
171	38.8	30.1	45.1
170	24.7	20.0	30.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.332 min Scan# 2424
Delta R.T. -0.015 min
Lab File: BG060108.D
Acq: 20 Dec 2023 21:13

Instrument :

BNA_G

ClientSampleId :

TR-04-121523

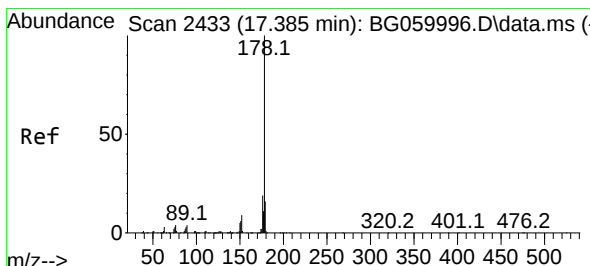
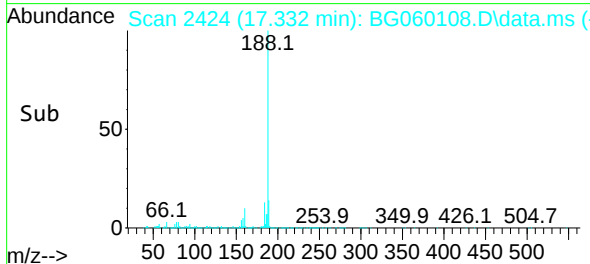
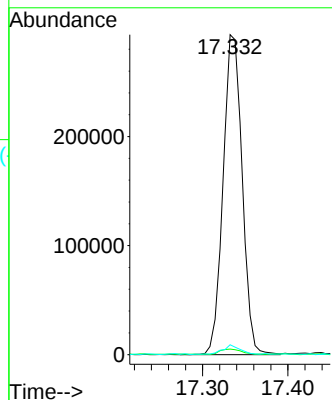
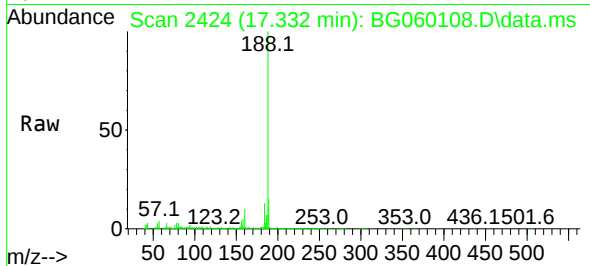
Tgt Ion:188 Resp: 45539
Ion Ratio Lower Upper
188 100
94 1.8 3.0 4.6
80 3.1 4.0 6.0

Manual Integrations

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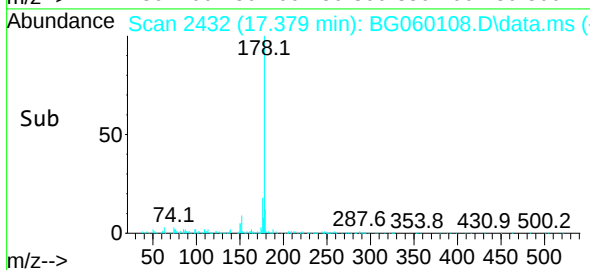
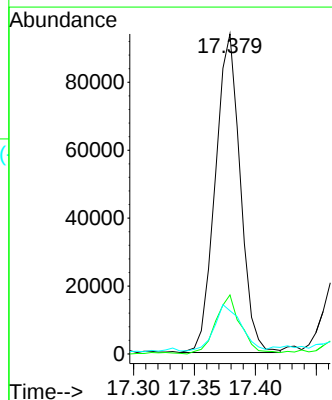
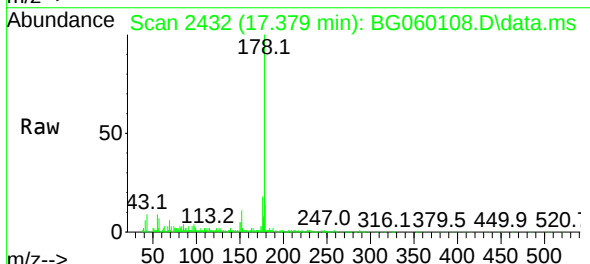
Reviewed By :Yogesh Patel 12/21/2023

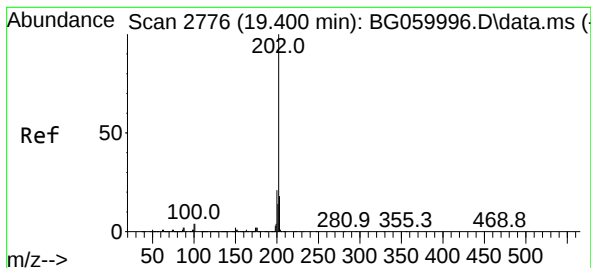
Supervised By :mohammad ahmed 12/21/2023



#71
Phenanthrene
Concen: 6.046 ng
RT: 17.379 min Scan# 2432
Delta R.T. -0.010 min
Lab File: BG060108.D
Acq: 20 Dec 2023 21:13

Tgt Ion:178 Resp: 133372
Ion Ratio Lower Upper
178 100
176 18.4 15.6 23.4
179 13.5 12.6 19.0





#75
Fluoranthene
Concen: 9.842 ng
RT: 19.394 min Scan# 21
Delta R.T. -0.010 min
Lab File: BG060108.D
Acq: 20 Dec 2023 21:13

Instrument :

BNA_G

ClientSampleId :

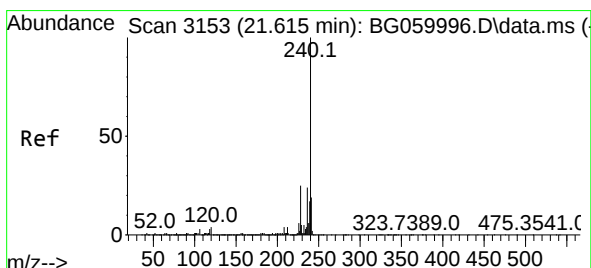
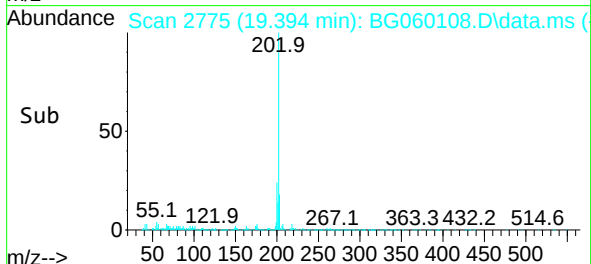
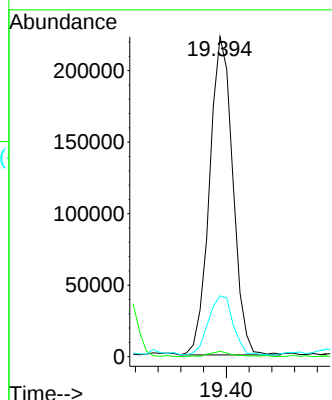
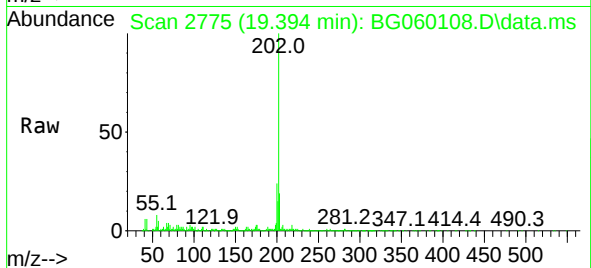
TR-04-121523

Tgt Ion:202 Resp: 31680
Ion Ratio Lower Upper
202 100
101 1.7 0.0 24.2
203 19.0 0.0 37.6

Manual Integrations

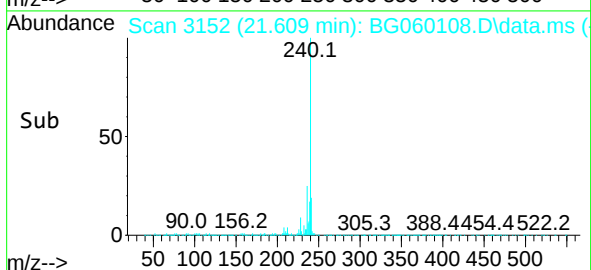
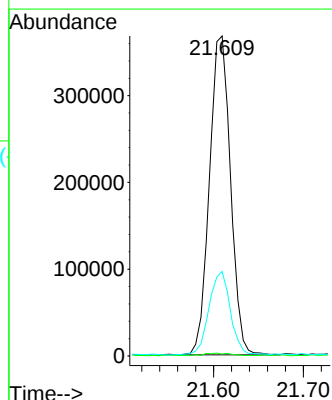
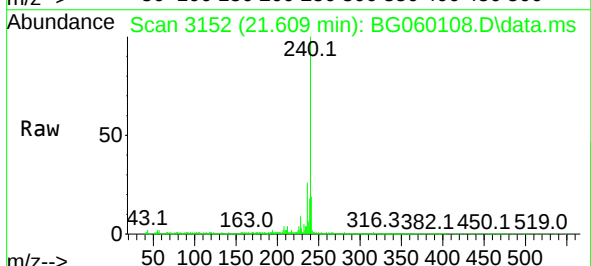
APPROVED

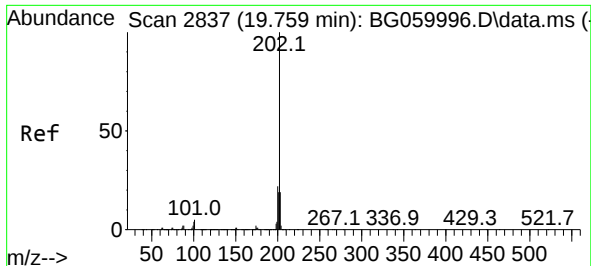
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.609 min Scan# 3152
Delta R.T. -0.010 min
Lab File: BG060108.D
Acq: 20 Dec 2023 21:13

Tgt Ion:240 Resp: 598676
Ion Ratio Lower Upper
240 100
120 0.6 2.9 4.3#
236 26.4 19.4 29.2





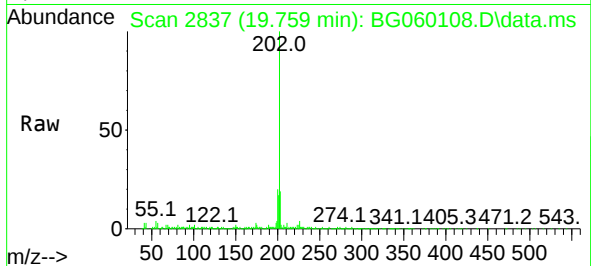
#78
Pyrene
Concen: 9.650 ng
RT: 19.759 min Scan# 2837
Delta R.T. -0.004 min
Lab File: BG060108.D
Acq: 20 Dec 2023 21:13

Instrument :

BNA_G

ClientSampleId :

TR-04-121523

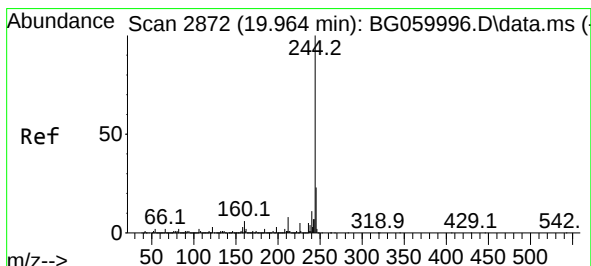
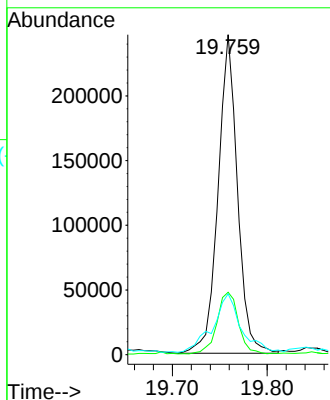
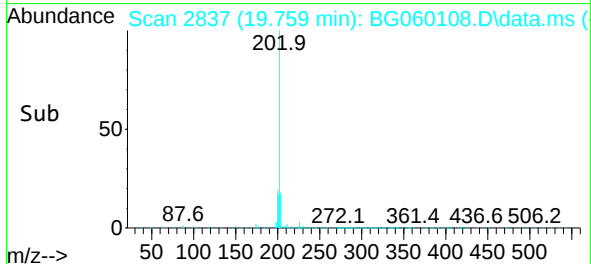


Tgt Ion:202 Resp: 35020
Ion Ratio Lower Upper
202 100
200 19.5 17.6 26.4
203 19.0 14.9 22.3

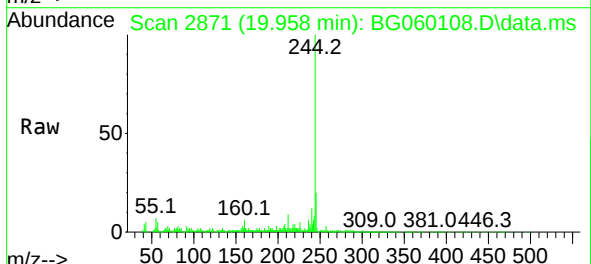
Manual Integrations

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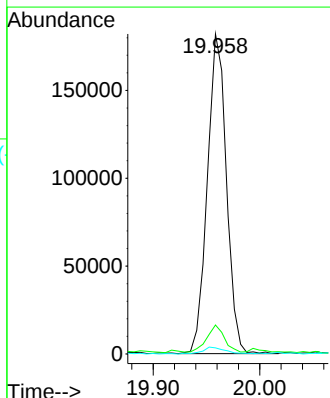
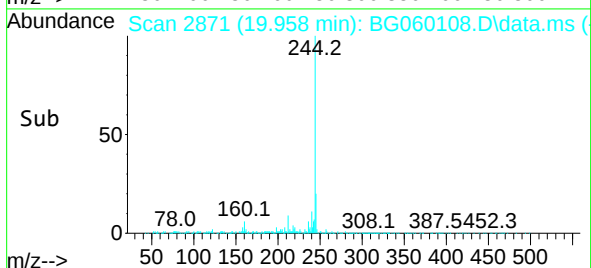
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023

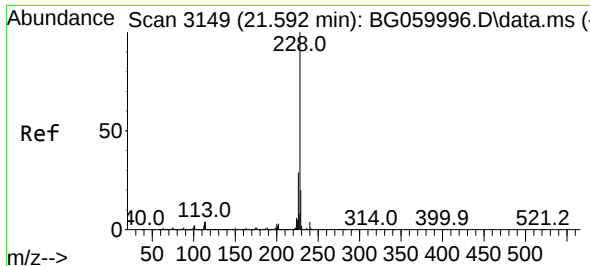


#79
Terphenyl-d14
Concen: 6.904 ng
RT: 19.958 min Scan# 2871
Delta R.T. -0.010 min
Lab File: BG060108.D
Acq: 20 Dec 2023 21:13



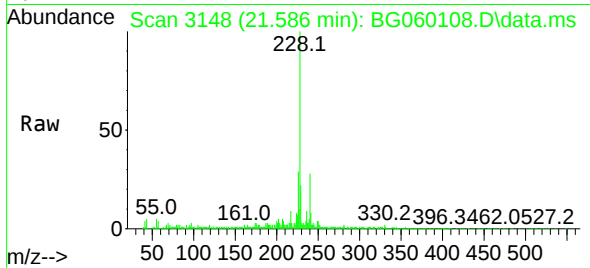
Tgt Ion:244 Resp: 226376
Ion Ratio Lower Upper
244 100
212 9.0 6.8 10.2
122 1.9 2.6 3.8





#81
Benzo(a)anthracene
Concen: 6.532 ng
RT: 21.586 min Scan# 3149
Delta R.T. -0.015 min
Lab File: BG060108.D
Acq: 20 Dec 2023 21:13

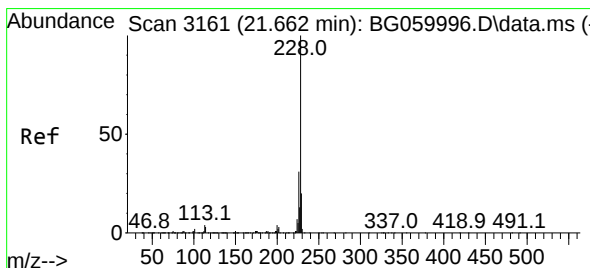
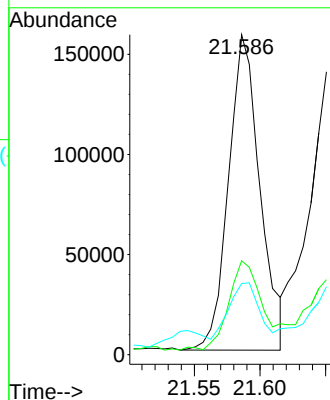
Instrument :
BNA_G
ClientSampleId :
TR-04-121523



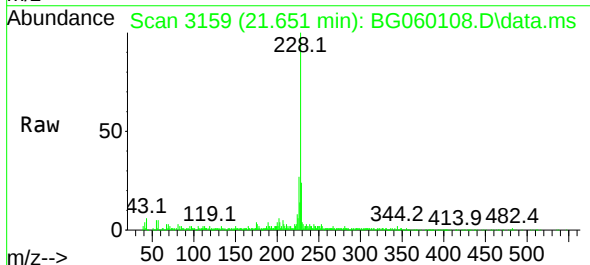
Tgt Ion:228 Resp: 262670
Ion Ratio Lower Upper
228 100
226 29.4 22.9 34.3
229 22.3 16.2 24.2

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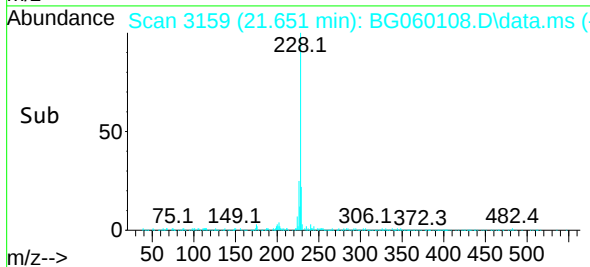
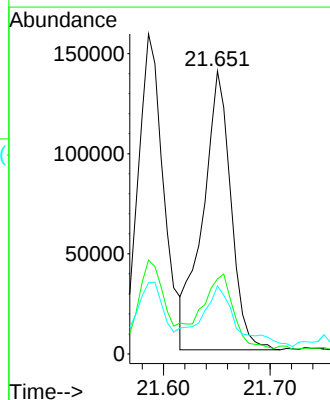
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023

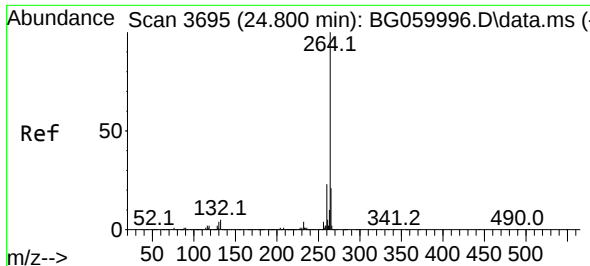


#83
Chrysene
Concen: 6.708 ng
RT: 21.651 min Scan# 3159
Delta R.T. -0.015 min
Lab File: BG060108.D
Acq: 20 Dec 2023 21:13



Tgt Ion:228 Resp: 255570
Ion Ratio Lower Upper
228 100
226 26.5 25.0 37.6
229 24.0 16.2 24.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.800 min Scan# 30
 Delta R.T. -0.015 min
 Lab File: BG060108.D
 Acq: 20 Dec 2023 21:13

Instrument :

BNA_G

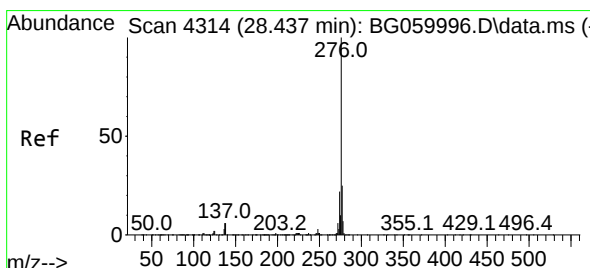
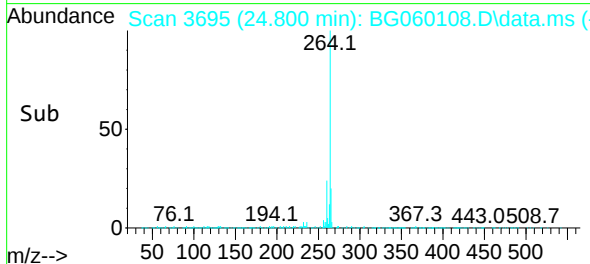
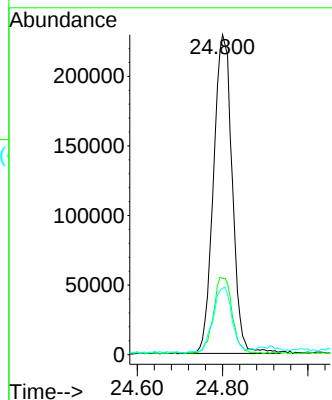
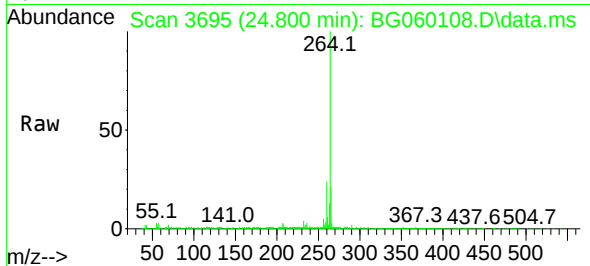
ClientSampleId :

TR-04-121523

Tgt Ion:264 Resp: 69826
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.5 27.7
 265 20.7 17.3 25.9

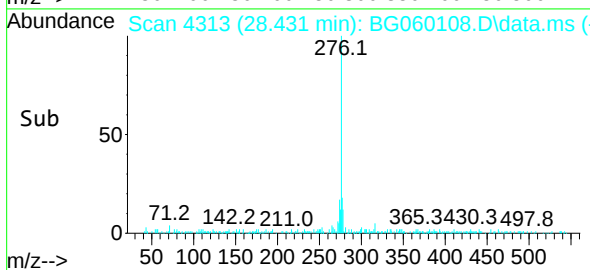
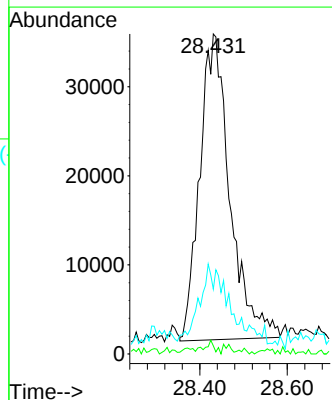
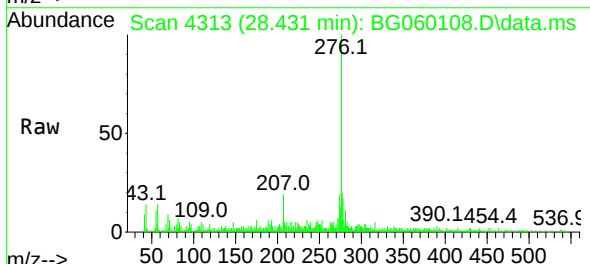
Manual Integrations
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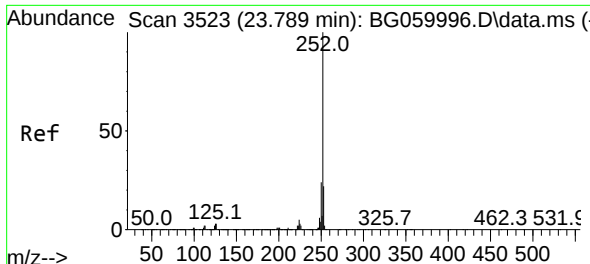
Reviewed By :Yogesh Patel 12/21/2023
 Supervised By :mohammad ahmed 12/21/2023



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.306 ng
 RT: 28.431 min Scan# 4313
 Delta R.T. -0.027 min
 Lab File: BG060108.D
 Acq: 20 Dec 2023 21:13

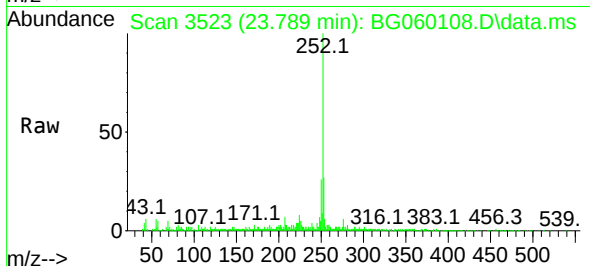
Tgt Ion:276 Resp: 164770
 Ion Ratio Lower Upper
 276 100
 138 0.9 4.7 7.1#
 277 11.3 20.0 30.0#





#88
Benzo(b)fluoranthene
Concen: 8.024 ng
RT: 23.789 min Scan# 3523
Delta R.T. -0.010 min
Lab File: BG060108.D
Acq: 20 Dec 2023 21:13

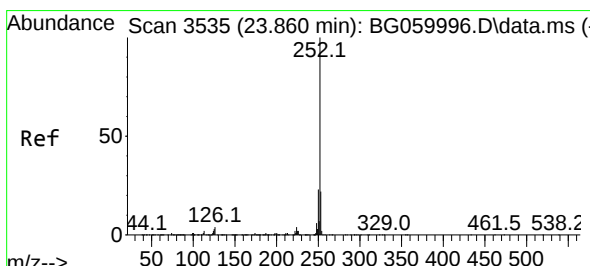
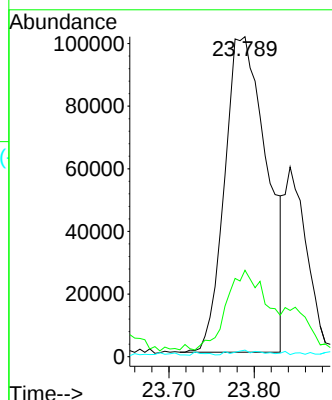
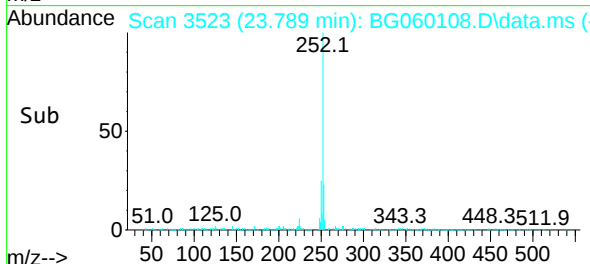
Instrument :
BNA_G
ClientSampleId :
TR-04-121523



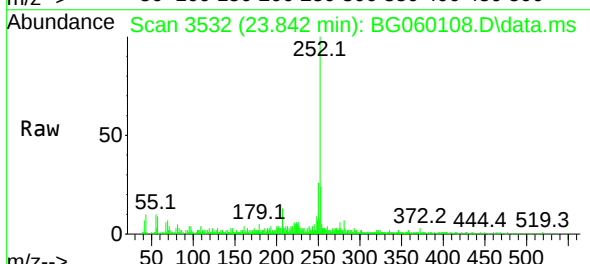
Tgt Ion:252 Resp: 346035
Ion Ratio Lower Upper
252 100
253 27.0 17.4 26.2
125 2.1 2.6 4.0

Manual Integrations
APPROVED

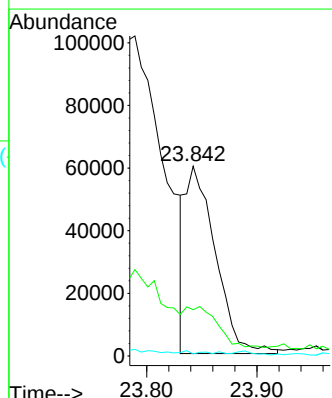
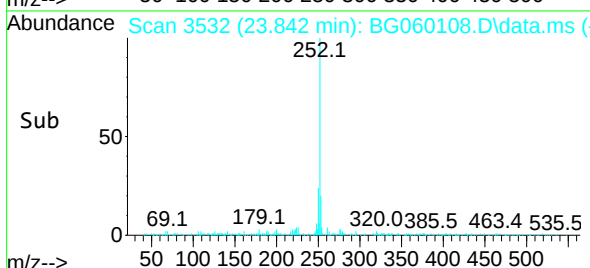
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023

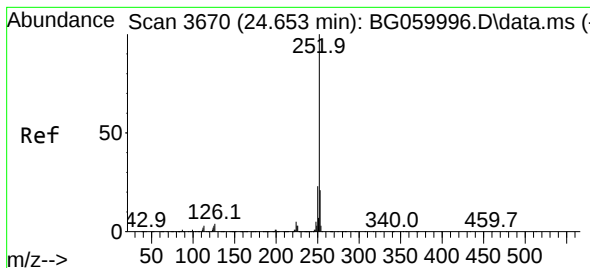


#89
Benzo(k)fluoranthene
Concen: 2.686 ng m
RT: 23.842 min Scan# 3532
Delta R.T. -0.027 min
Lab File: BG060108.D
Acq: 20 Dec 2023 21:13



Tgt Ion:252 Resp: 112347
Ion Ratio Lower Upper
252 100
253 24.4 17.8 26.6
125 1.1 2.5 3.7





#90

Benzo(a)pyrene

Concen: 7.332 ng m

RT: 24.641 min Scan# 30

Delta R.T. -0.021 min

Lab File: BG060108.D

Acq: 20 Dec 2023 21:13

Instrument :

BNA_G

ClientSampleId :

TR-04-121523

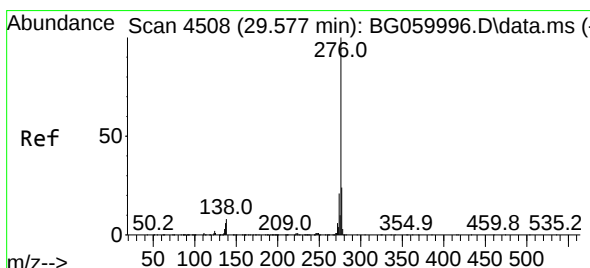
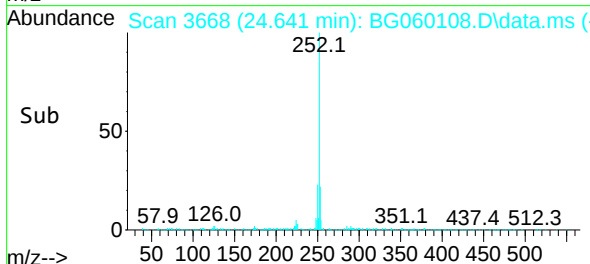
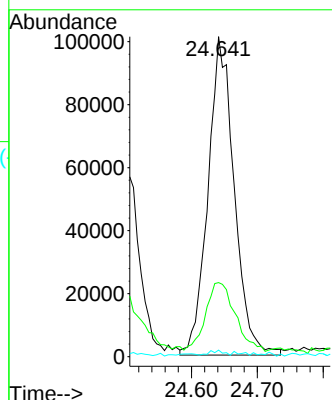
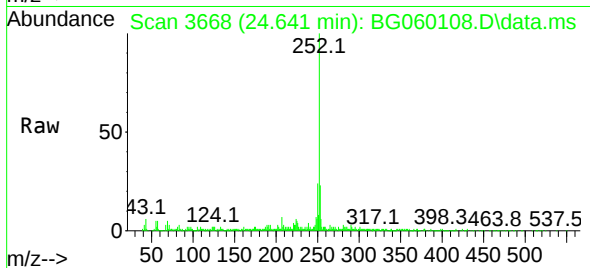
Tgt Ion:	252	Resp:	28013
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.1	25.7
125	2.1	2.6	4.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/21/2023

Supervised By :mohammad ahmed 12/21/2023



#92

Benzo(g,h,i)perylene

Concen: 3.662 ng

RT: 29.571 min Scan# 4507

Delta R.T. -0.027 min

Lab File: BG060108.D

Acq: 20 Dec 2023 21:13

Tgt Ion:	276	Resp:	151801
Ion Ratio	Lower	Upper	
276	100		
277	22.4	19.4	29.2
138	2.6	6.0	9.0

