

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121923\
 Data File : BG060088.D
 Acq On : 19 Dec 2023 16:47
 Operator : MA/JU
 Sample : 05793-01 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-12122023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/20/2023
 Supervised By :mohammad ahmed 12/20/2023

Quant Time: Dec 19 17:31:38 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	7.955	152	71006	20.000	ng	0.00
21) Naphthalene-d8	10.758	136	246543	20.000	ng	# 0.00
39) Acenaphthene-d10	14.588	164	220419	20.000	ng	0.00
64) Phenanthrene-d10	17.338	188	587549	20.000	ng	# 0.00
76) Chrysene-d12	21.610	240	602028	20.000	ng	# 0.00
86) Perylene-d12	24.800	264	718447	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.523	112	110244	26.578	ng	0.00
7) Phenol-d6	7.109	99	183919	31.522	ng	0.00
23) Nitrobenzene-d5	9.112	82	137145	25.259	ng	0.00
42) 2,4,6-Tribromophenol	16.075	330	205996	40.102	ng	0.00
45) 2-Fluorobiphenyl	13.213	172	467255	25.945	ng	0.00
79) Terphenyl-d14	19.959	244	903899	27.412	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.379	178	358562	12.599	ng	96
72) Anthracene	17.467	178	78771	2.753	ng	97
75) Fluoranthene	19.394	202	529524	12.751	ng	98
78) Pyrene	19.759	202	562776	15.421	ng	98
81) Benzo(a)anthracene	21.586	228	317772	7.858	ng	99
83) Chrysene	21.657	228	283269	7.394	ng	96
87) Indeno(1,2,3-cd)pyrene	28.431	276	187719	3.661	ng	# 94
88) Benzo(b)fluoranthene	23.783	252	360584	8.127	ng	# 97
89) Benzo(k)fluoranthene	23.848	252	128790m	2.992	ng	
90) Benzo(a)pyrene	24.647	252	287187	7.305	ng	# 90
92) Benzo(g,h,i)perylene	29.577	276	185631	4.353	ng	# 97

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

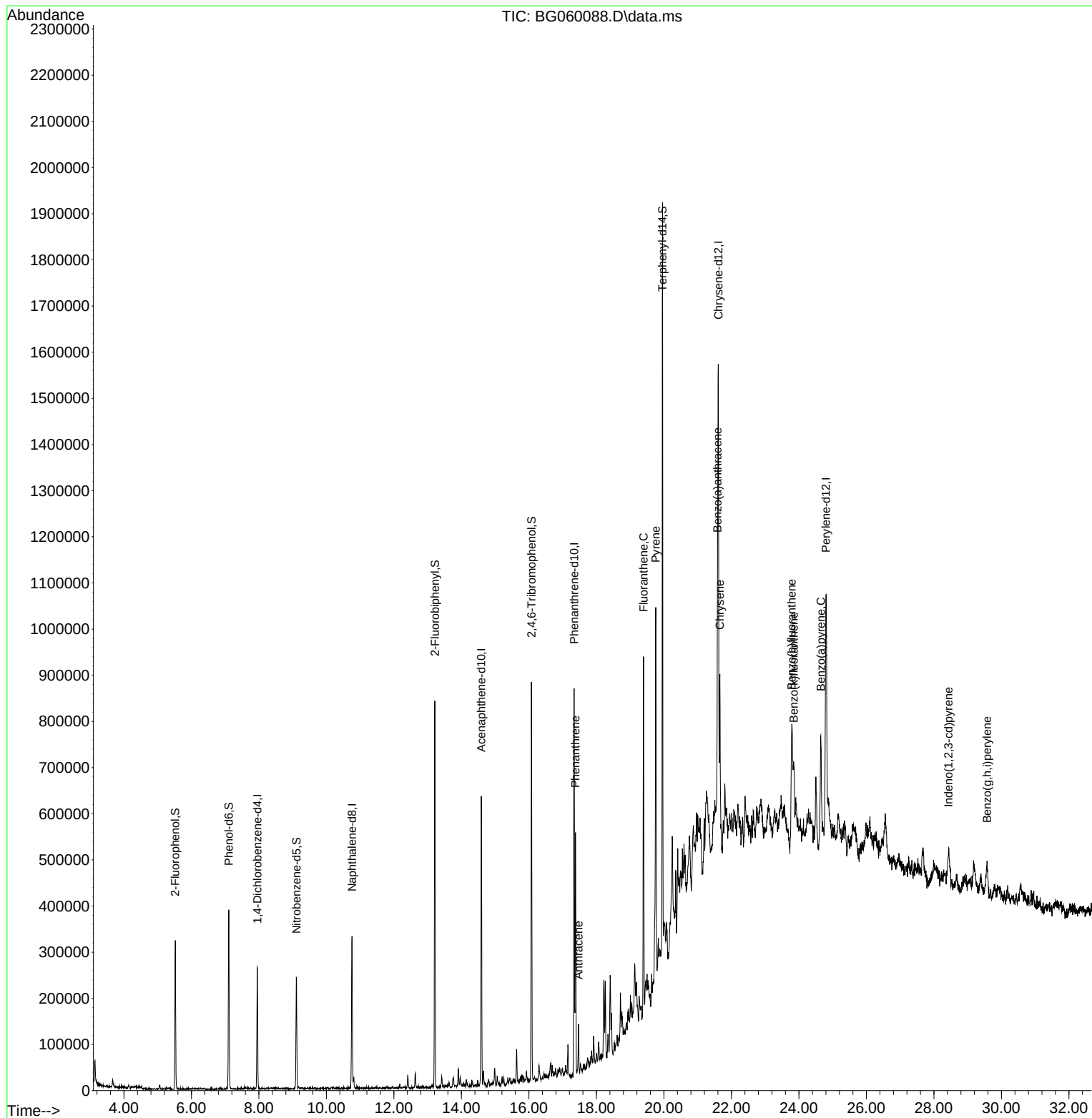
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121923\
Data File : BG060088.D
Acq On : 19 Dec 2023 16:47
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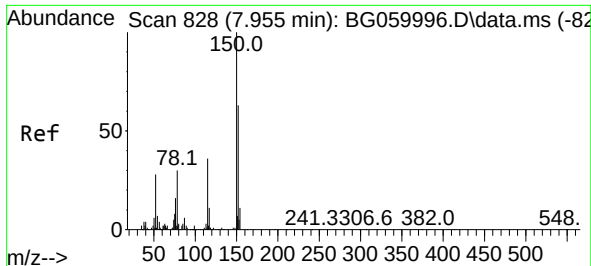
Instrument :
BNA_G
ClientSampleId :
OR-02-12122023

Quant Time: Dec 19 17:31:38 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
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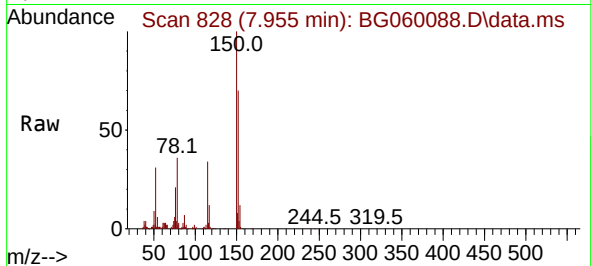
Reviewed By :Yogesh Patel 12/20/2023
Supervised By :mohammad ahmed 12/20/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.955 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG060088.D
Acq: 19 Dec 2023 16:47

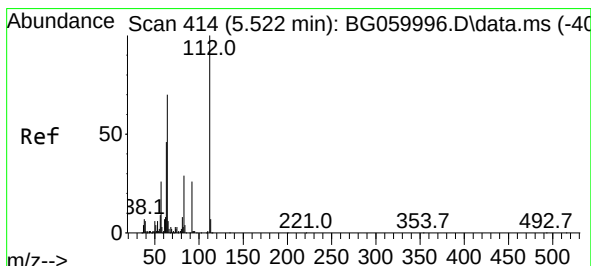
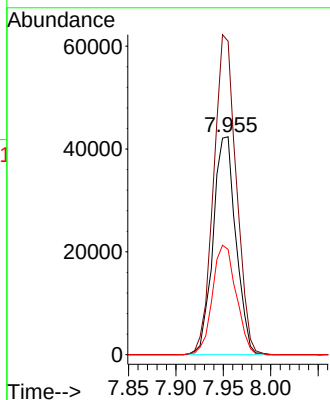
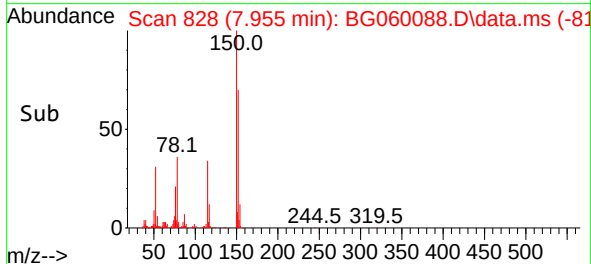
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BNA_G
ClientSampleId :
OR-02-12122023



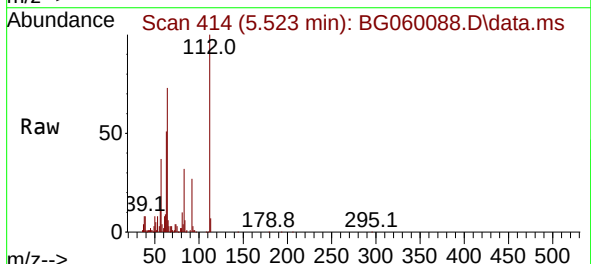
Tgt Ion:152 Resp: 71000
Ion Ratio Lower Upper
152 100
150 143.8 127.0 190.6
115 48.3 45.7 68.5

Manual Integrations
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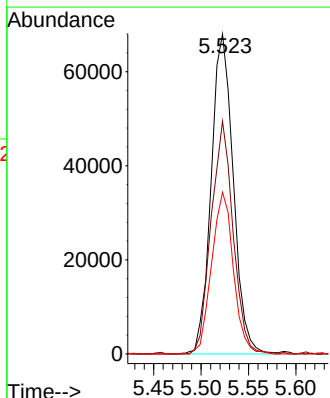
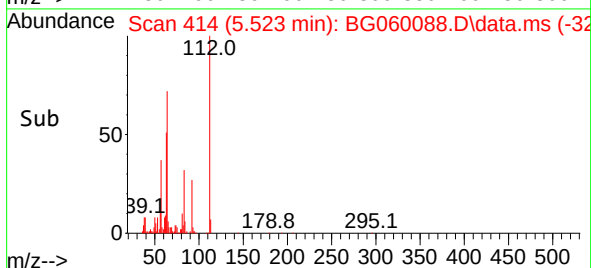
Reviewed By :Yogesh Patel 12/20/2023
Supervised By :mohammad ahmed 12/20/2023

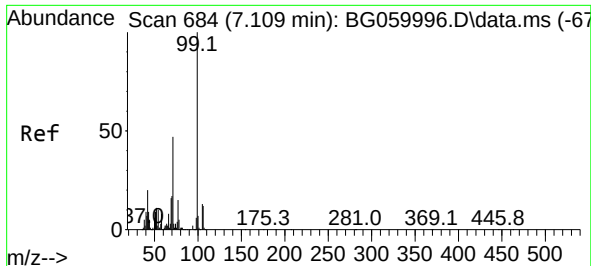


#5
2-Fluorophenol
Concen: 26.578 ng
RT: 5.523 min Scan# 414
Delta R.T. -0.004 min
Lab File: BG060088.D
Acq: 19 Dec 2023 16:47



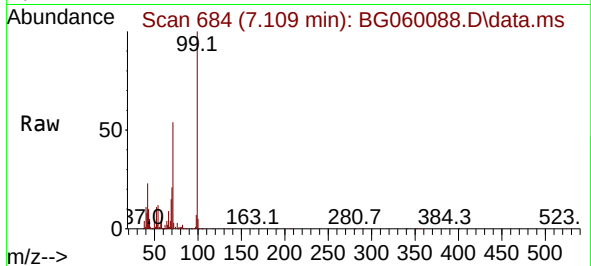
Tgt Ion:112 Resp: 110244
Ion Ratio Lower Upper
112 100
64 72.8 55.9 83.9
63 50.6 36.5 54.7





#7
Phenol-d6
Concen: 31.522 ng
RT: 7.109 min Scan# 684
Delta R.T. -0.004 min
Lab File: BG060088.D
Acq: 19 Dec 2023 16:47

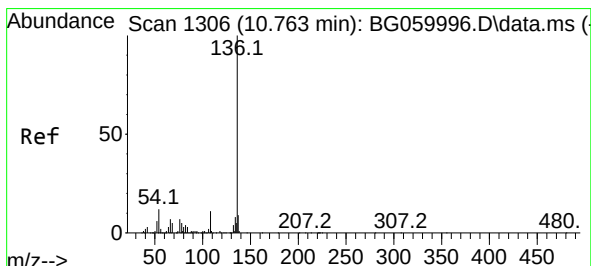
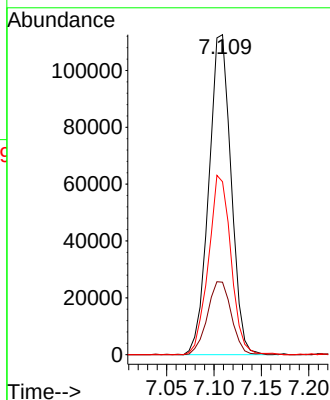
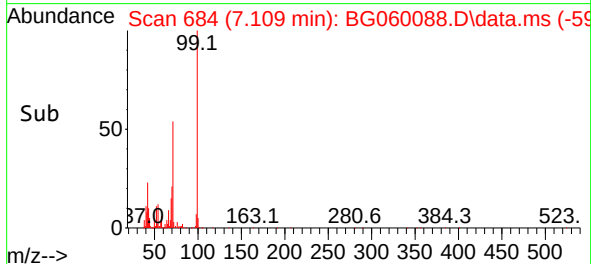
Instrument :
BNA_G
ClientSampleId :
OR-02-12122023



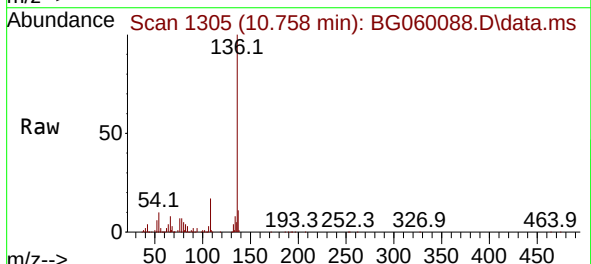
Tgt Ion: 99 Resp: 183919
Ion Ratio Lower Upper
99 100
42 22.6 16.2 24.4
71 54.0 37.6 56.4

Manual Integrations
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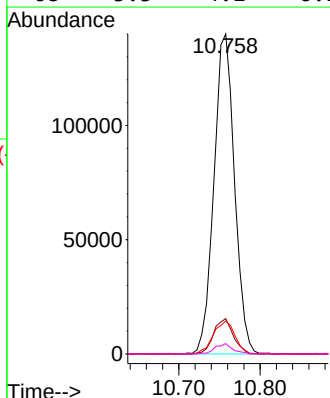
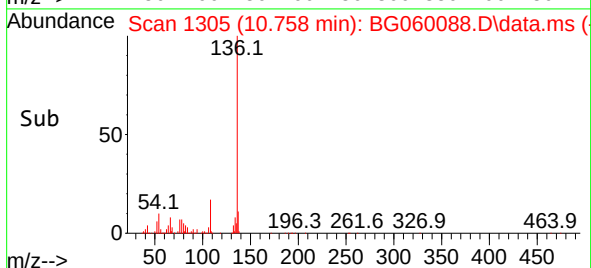
Reviewed By :Yogesh Patel 12/20/2023
Supervised By :mohammad ahmed 12/20/2023

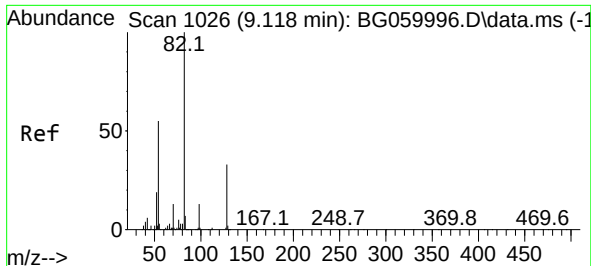


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.758 min Scan# 1305
Delta R.T. -0.004 min
Lab File: BG060088.D
Acq: 19 Dec 2023 16:47



Tgt Ion:136 Resp: 246543
Ion Ratio Lower Upper
136 100
137 11.1 7.3 10.9#
54 10.3 9.6 14.4
68 3.3 4.1 6.1#





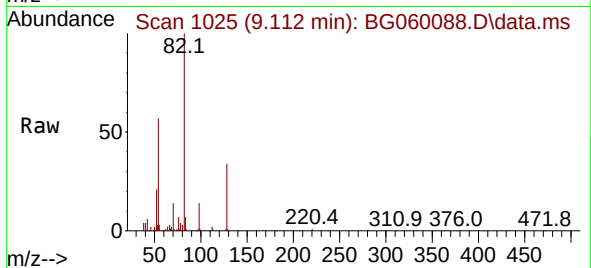
#23
Nitrobenzene-d5
Concen: 25.259 ng
RT: 9.112 min Scan# 1026
Delta R.T. -0.010 min
Lab File: BG060088.D
Acq: 19 Dec 2023 16:47

Instrument :

BNA_G

ClientSampleId :

OR-02-12122023



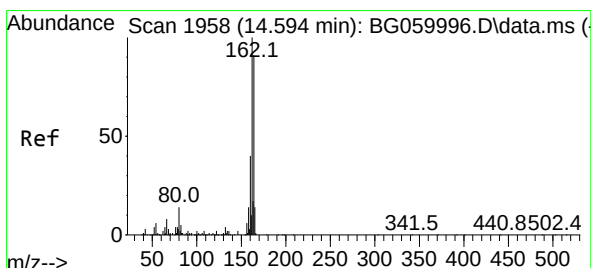
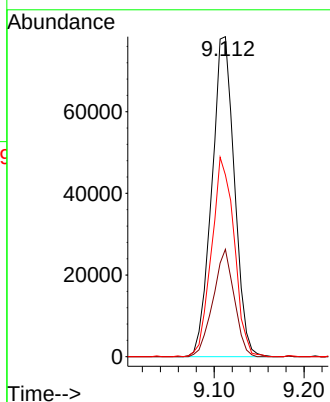
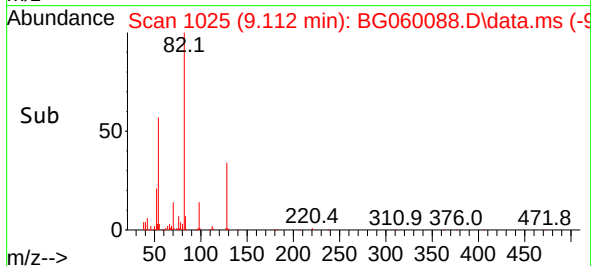
Tgt Ion: 82 Resp: 137145
Ion Ratio Lower Upper
82 100
128 33.6 26.3 39.5
54 56.8 44.3 66.5

Manual Integrations

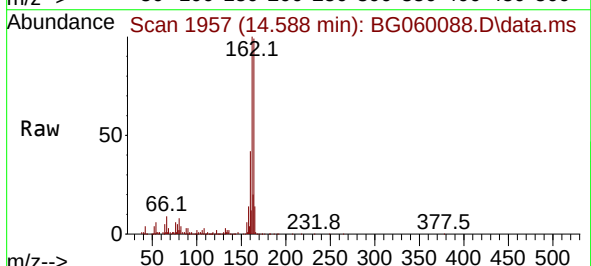
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Reviewed By :Yogesh Patel 12/20/2023

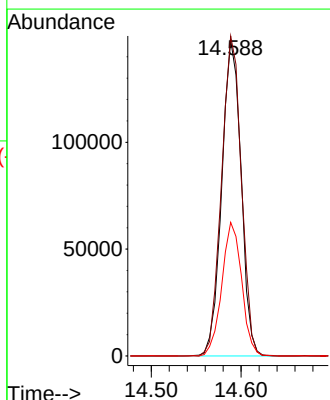
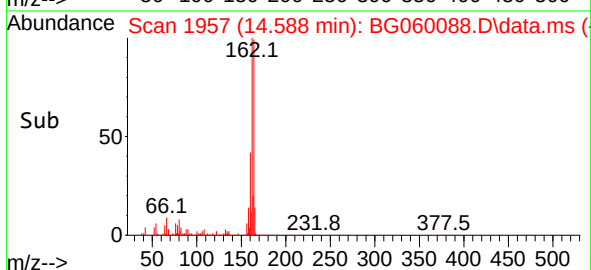
Supervised By :mohammad ahmed 12/20/2023

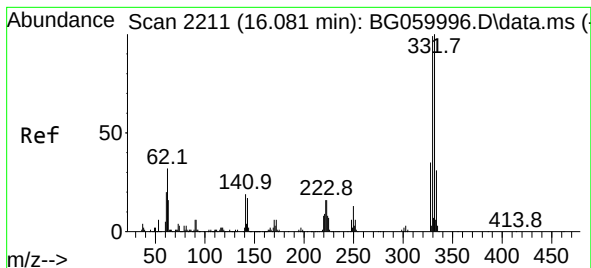


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.588 min Scan# 1957
Delta R.T. -0.010 min
Lab File: BG060088.D
Acq: 19 Dec 2023 16:47



Tgt Ion:164 Resp: 220419
Ion Ratio Lower Upper
164 100
162 101.3 88.1 132.1
160 42.3 35.4 53.0





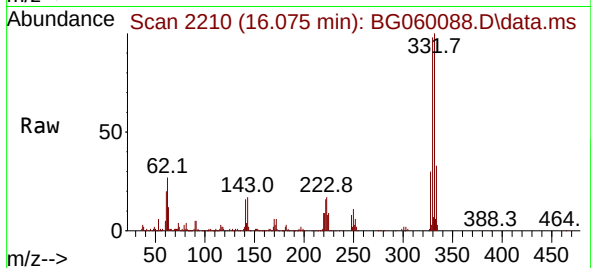
#42
2,4,6-Tribromophenol
Concen: 40.102 ng
RT: 16.075 min Scan# 21
Delta R.T. -0.010 min
Lab File: BG060088.D
Acq: 19 Dec 2023 16:47

Instrument :

BNA_G

ClientSampleId :

OR-02-12122023



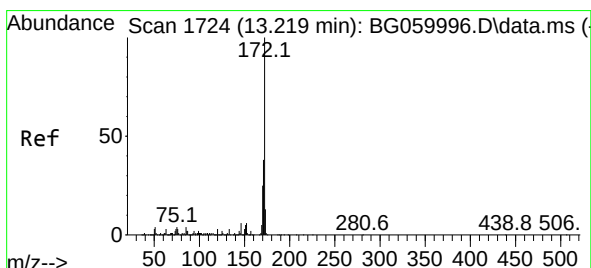
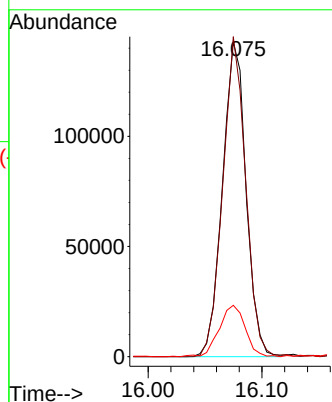
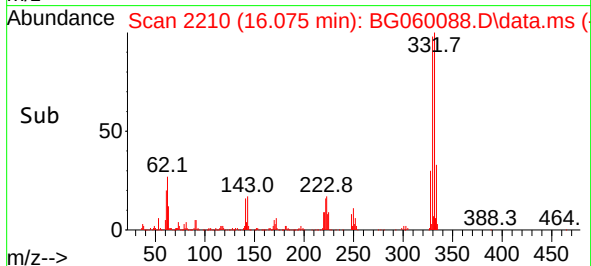
Tgt Ion:330 Resp: 205990
Ion Ratio Lower Upper
330 100
332 98.6 76.2 114.4
141 18.0 14.3 21.5

Manual Integrations

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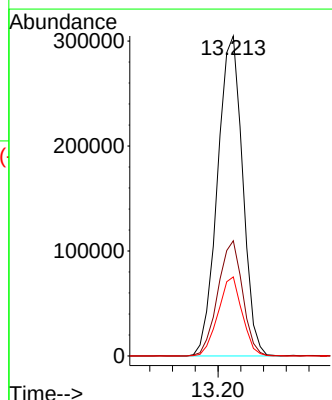
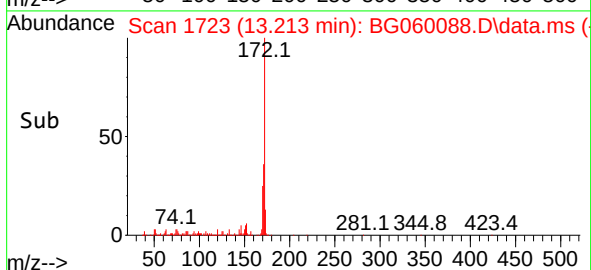
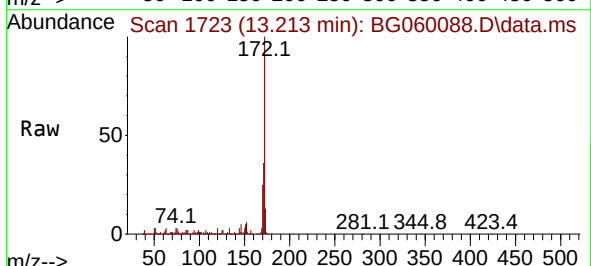
Reviewed By :Yogesh Patel 12/20/2023

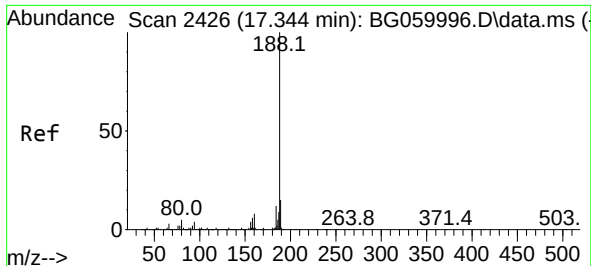
Supervised By :mohammad ahmed 12/20/2023



#45
2-Fluorobiphenyl
Concen: 25.945 ng
RT: 13.213 min Scan# 1723
Delta R.T. -0.004 min
Lab File: BG060088.D
Acq: 19 Dec 2023 16:47

Tgt Ion:172 Resp: 467255
Ion Ratio Lower Upper
172 100
171 36.0 30.1 45.1
170 24.7 20.0 30.0





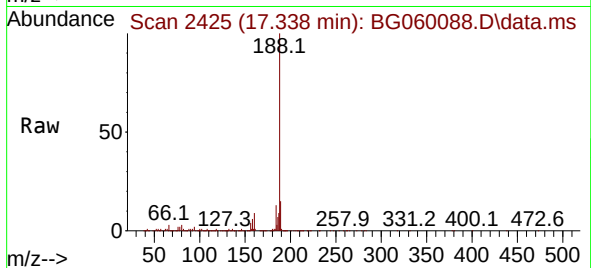
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.338 min Scan# 2425
Delta R.T. -0.010 min
Lab File: BG060088.D
Acq: 19 Dec 2023 16:47

Instrument :

BNA_G

ClientSampleId :

OR-02-12122023



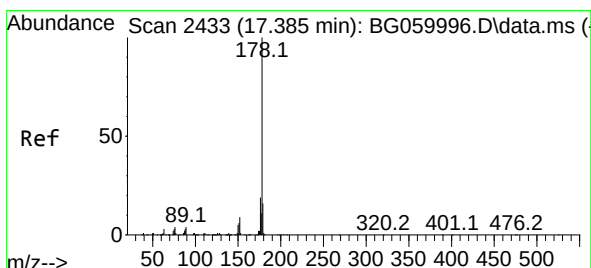
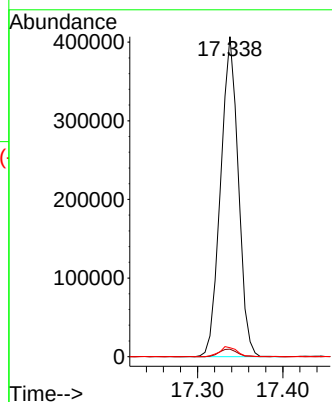
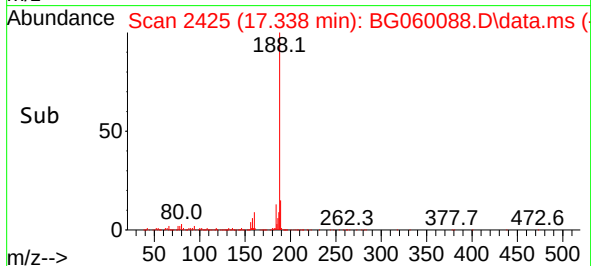
Tgt Ion:188 Resp: 587549
Ion Ratio Lower Upper
188 100
94 2.3 3.0 4.6
80 2.8 4.0 6.0

Manual Integrations

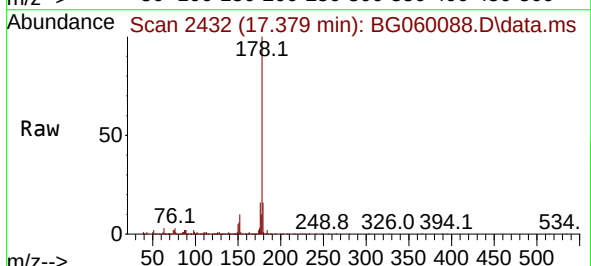
APPROVED

Reviewed By :Yogesh Patel 12/20/2023

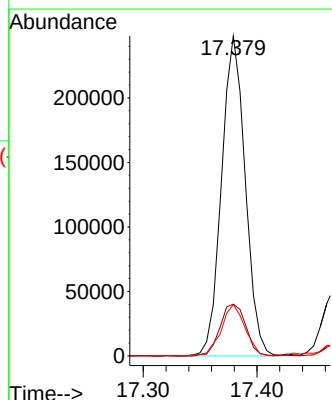
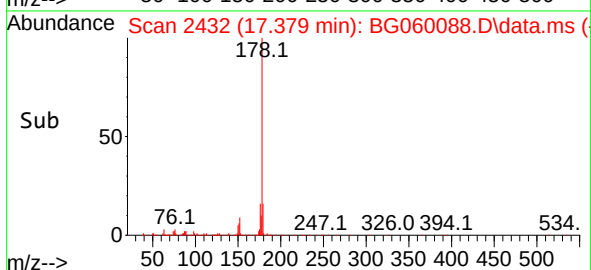
Supervised By :mohammad ahmed 12/20/2023

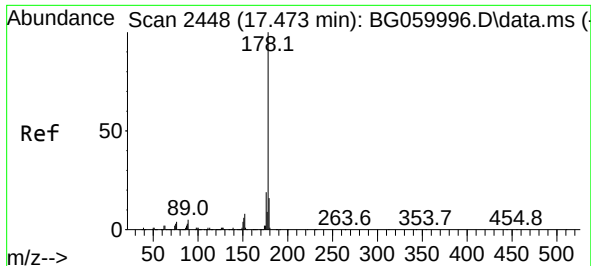


#71
Phenanthrene
Concen: 12.599 ng
RT: 17.379 min Scan# 2432
Delta R.T. -0.010 min
Lab File: BG060088.D
Acq: 19 Dec 2023 16:47



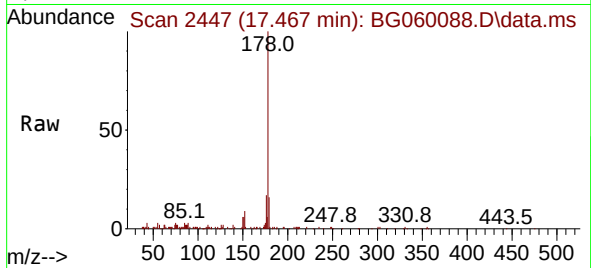
Tgt Ion:178 Resp: 358562
Ion Ratio Lower Upper
178 100
176 16.2 15.6 23.4
179 16.1 12.6 19.0





#72
 Anthracene
 Concen: 2.753 ng
 RT: 17.467 min Scan# 2448
 Delta R.T. -0.010 min
 Lab File: BG060088.D
 Acq: 19 Dec 2023 16:47

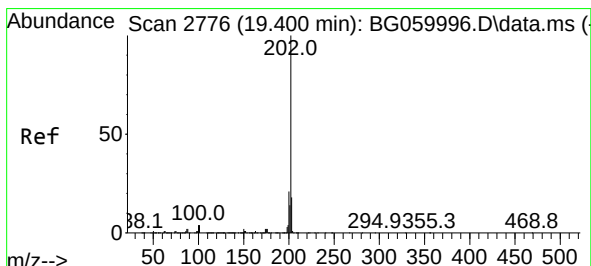
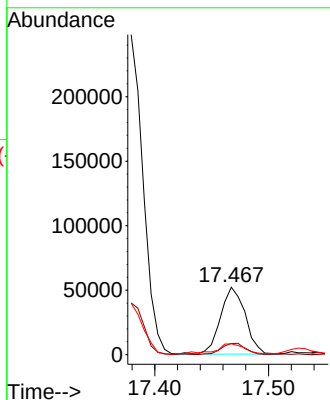
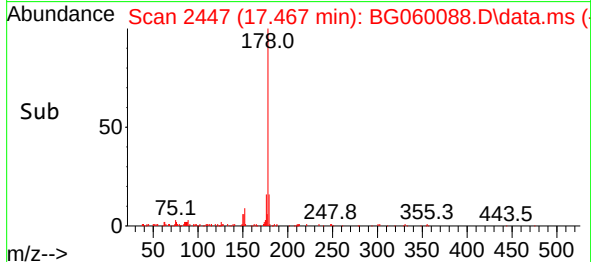
Instrument :
 BNA_G
 ClientSampleId :
 OR-02-12122023



Tgt Ion:178 Resp: 7877
 Ion Ratio Lower Upper
 178 100
 176 16.6 15.0 22.6
 179 16.2 12.6 19.0

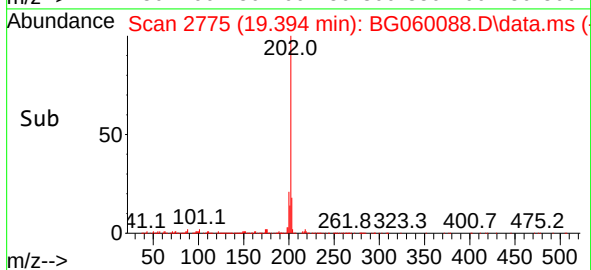
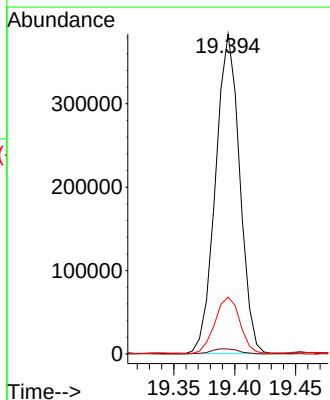
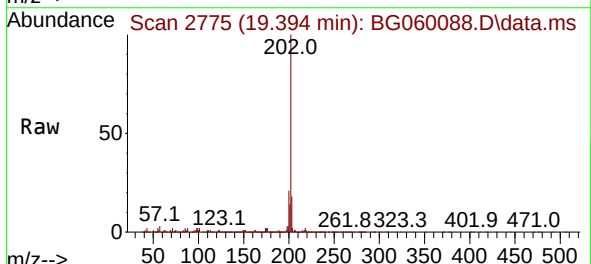
Manual Integrations
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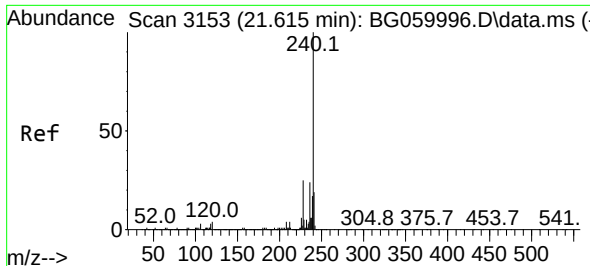
Reviewed By :Yogesh Patel 12/20/2023
 Supervised By :mohammad ahmed 12/20/2023



#75
 Fluoranthene
 Concen: 12.751 ng
 RT: 19.394 min Scan# 2775
 Delta R.T. -0.010 min
 Lab File: BG060088.D
 Acq: 19 Dec 2023 16:47

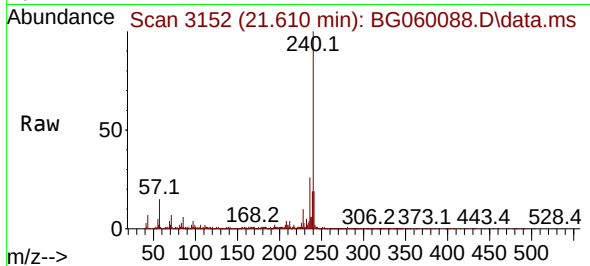
Tgt Ion:202 Resp: 529524
 Ion Ratio Lower Upper
 202 100
 101 1.6 0.0 24.2
 203 17.7 0.0 37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.610 min Scan# 3153
Delta R.T. -0.010 min
Lab File: BG060088.D
Acq: 19 Dec 2023 16:47

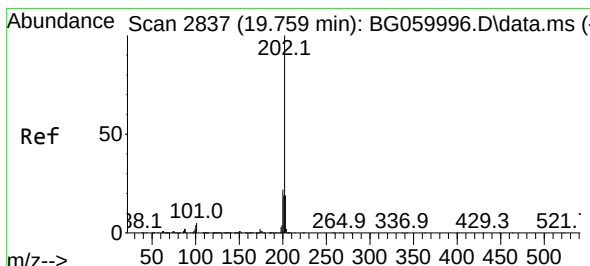
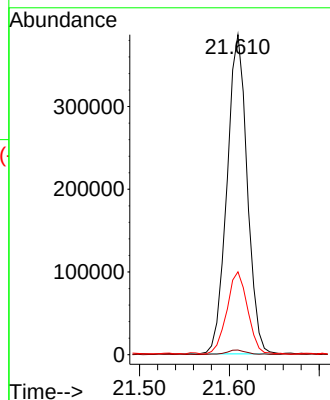
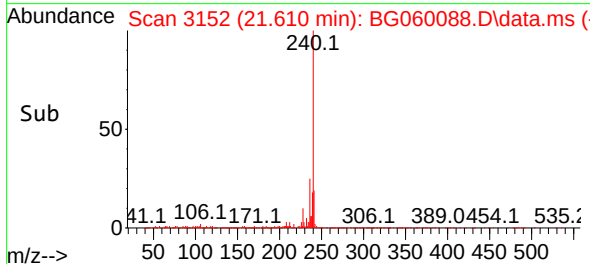
Instrument :
BNA_G
ClientSampleId :
OR-02-12122023



Tgt Ion:240 Resp: 602028
Ion Ratio Lower Upper
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120 1.5 2.9 4.3
236 25.9 19.4 29.2

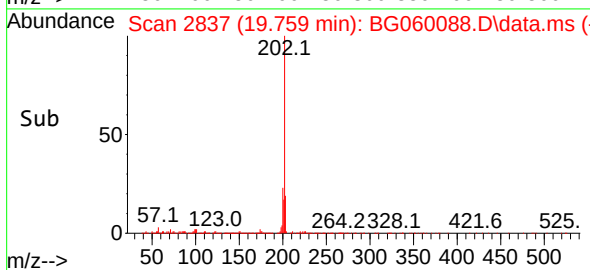
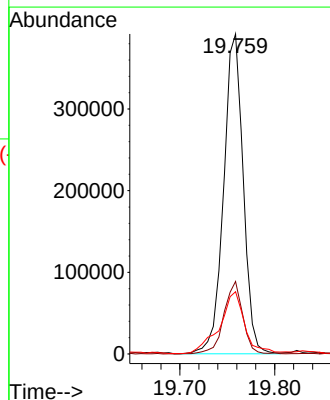
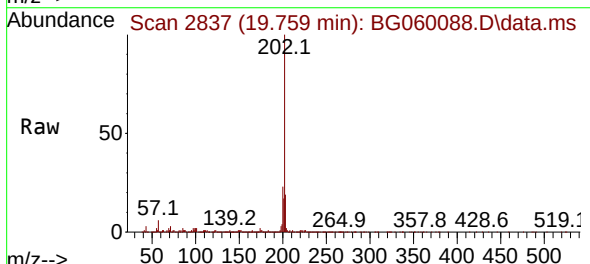
Manual Integrations
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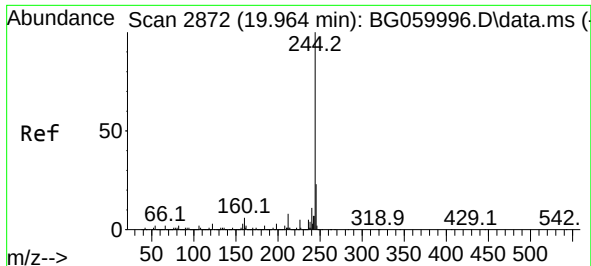
Reviewed By :Yogesh Patel 12/20/2023
Supervised By :mohammad ahmed 12/20/2023



#78
Pyrene
Concen: 15.421 ng
RT: 19.759 min Scan# 2837
Delta R.T. -0.004 min
Lab File: BG060088.D
Acq: 19 Dec 2023 16:47

Tgt Ion:202 Resp: 562776
Ion Ratio Lower Upper
202 100
200 22.7 17.6 26.4
203 19.4 14.9 22.3





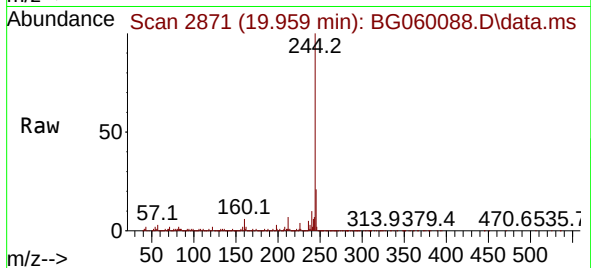
#79
 Terphenyl-d14
 Concen: 27.412 ng
 RT: 19.959 min Scan# 21
 Delta R.T. -0.010 min
 Lab File: BG060088.D
 Acq: 19 Dec 2023 16:47

Instrument :

BNA_G

ClientSampleId :

OR-02-12122023



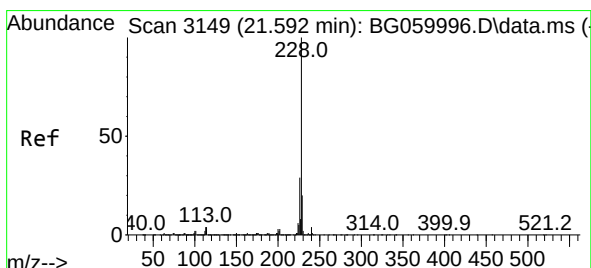
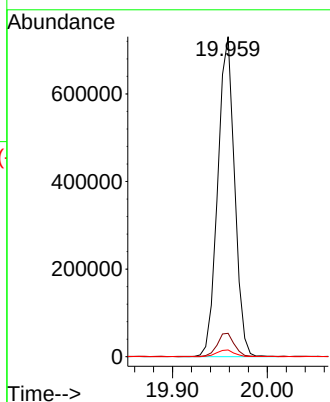
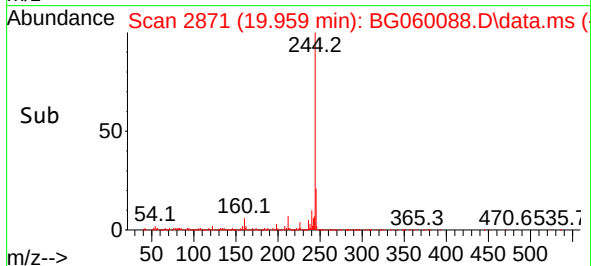
Tgt Ion:244 Resp: 90389
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.8 10.2
 122 2.1 2.6 3.8

Manual Integrations

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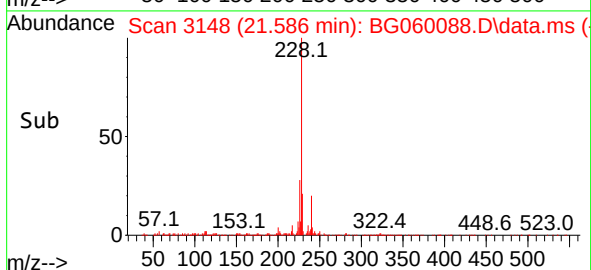
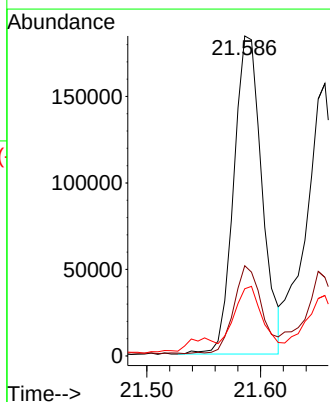
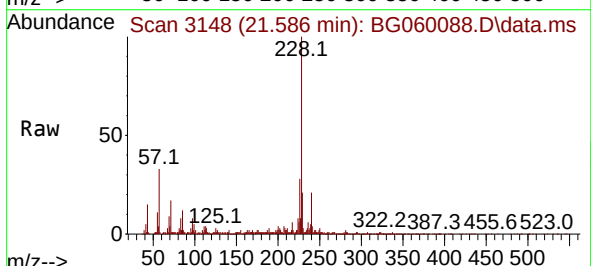
Reviewed By :Yogesh Patel 12/20/2023

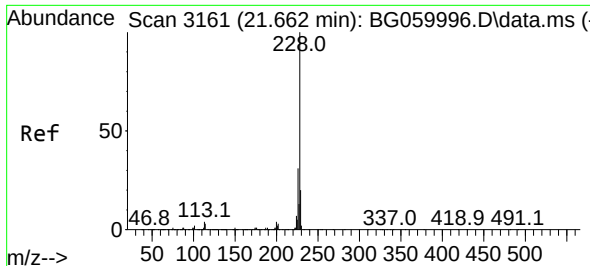
Supervised By :mohammad ahmed 12/20/2023



#81
 Benzo(a)anthracene
 Concen: 7.858 ng
 RT: 21.586 min Scan# 3148
 Delta R.T. -0.015 min
 Lab File: BG060088.D
 Acq: 19 Dec 2023 16:47

Tgt Ion:228 Resp: 317772
 Ion Ratio Lower Upper
 228 100
 226 28.2 22.9 34.3
 229 21.0 16.2 24.2





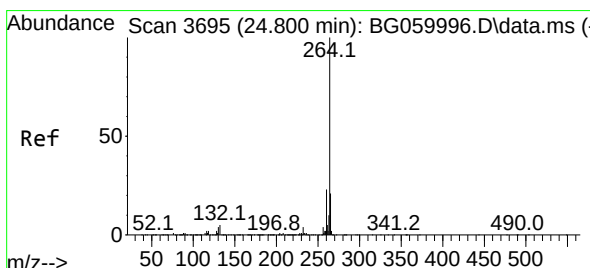
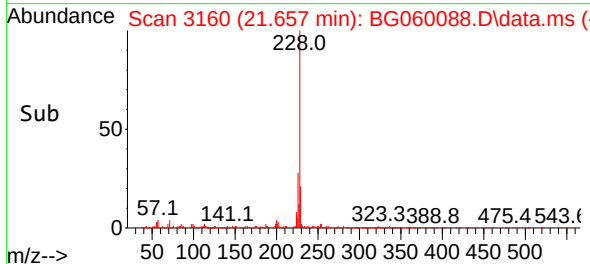
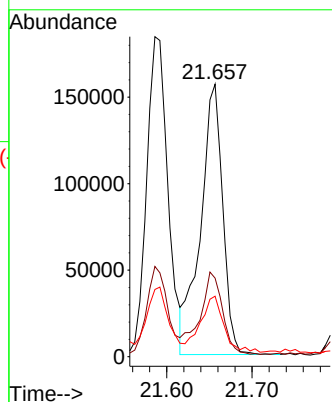
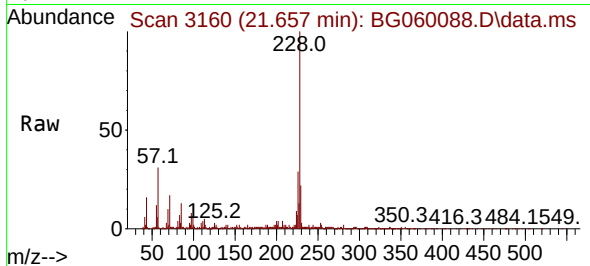
#83
Chrysene
Concen: 7.394 ng
RT: 21.657 min Scan# 3161
Delta R.T. -0.010 min
Lab File: BG060088.D
Acq: 19 Dec 2023 16:47

Instrument :
BNA_G
ClientSampleId :
OR-02-12122023

Tgt Ion:228 Resp: 283269
Ion Ratio Lower Upper
228 100
226 28.8 25.0 37.6
229 22.2 16.2 24.2

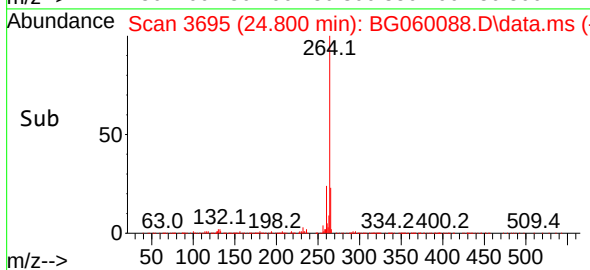
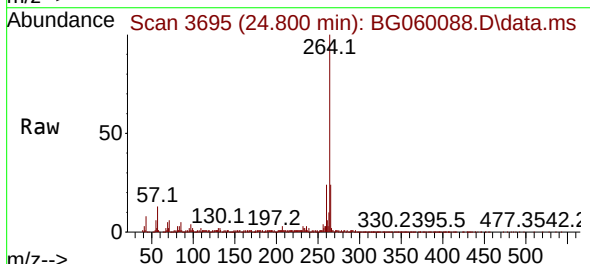
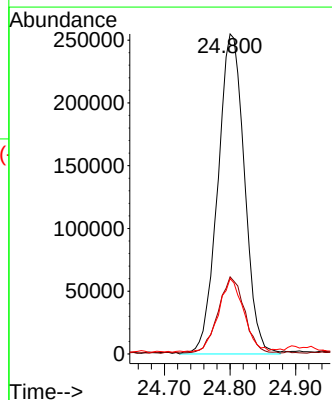
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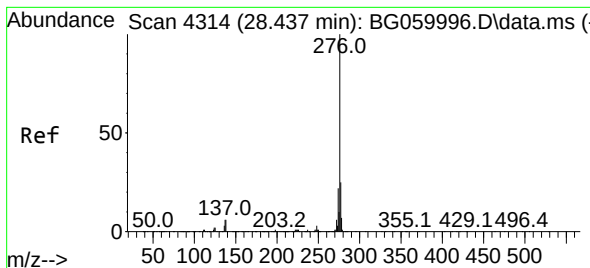
Reviewed By :Yogesh Patel 12/20/2023
Supervised By :mohammad ahmed 12/20/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.800 min Scan# 3695
Delta R.T. -0.015 min
Lab File: BG060088.D
Acq: 19 Dec 2023 16:47

Tgt Ion:264 Resp: 718447
Ion Ratio Lower Upper
264 100
260 24.1 18.5 27.7
265 23.5 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.661 ng

RT: 28.431 min Scan# 4314

Delta R.T. -0.027 min

Lab File: BG060088.D

Acq: 19 Dec 2023 16:47

Instrument :

BNA_G

ClientSampleId :

OR-02-12122023

Tgt Ion:276 Resp: 187719

Ion Ratio Lower Upper

276 100

138 0.6 4.7 7.1

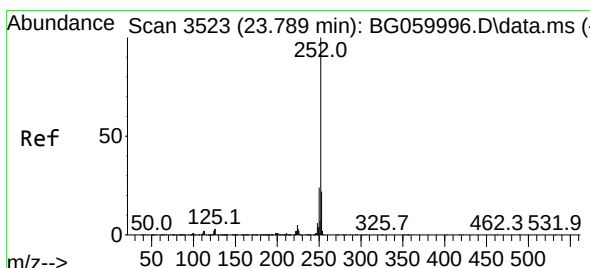
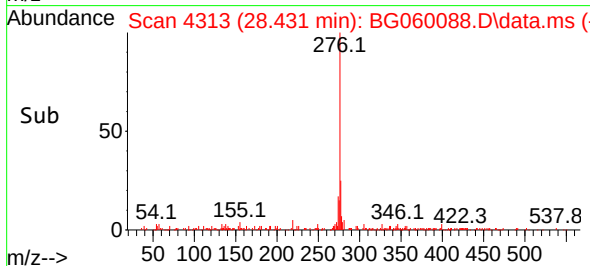
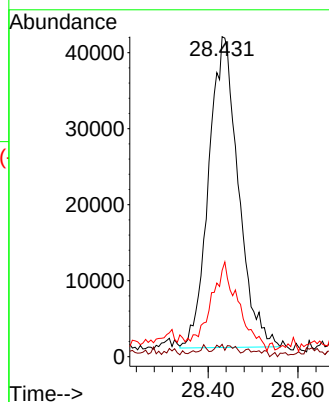
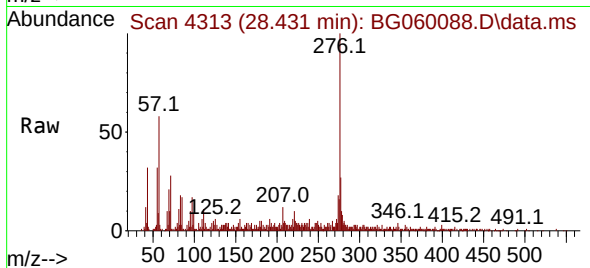
277 27.0 20.0 30.0

Manual Integrations

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Reviewed By :Yogesh Patel 12/20/2023

Supervised By :mohammad ahmed 12/20/2023



#88

Benzo(b)fluoranthene

Concen: 8.127 ng

RT: 23.783 min Scan# 3522

Delta R.T. -0.015 min

Lab File: BG060088.D

Acq: 19 Dec 2023 16:47

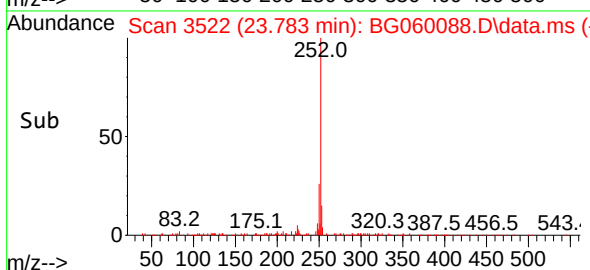
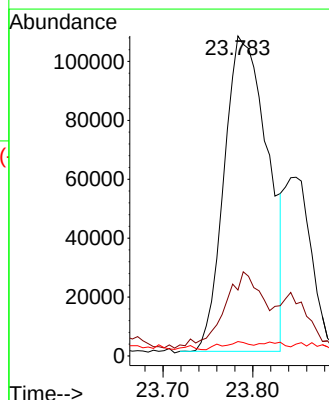
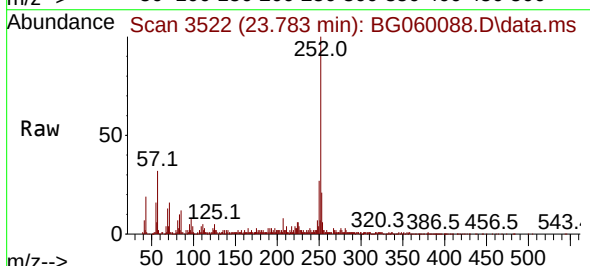
Tgt Ion:252 Resp: 360584

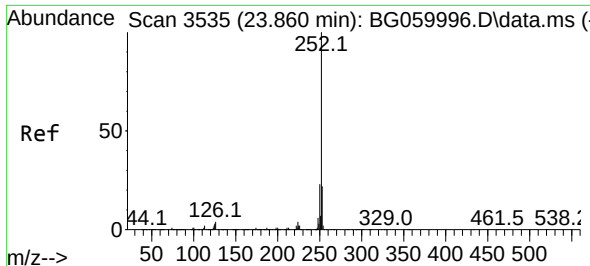
Ion Ratio Lower Upper

252 100

253 20.6 17.4 26.2

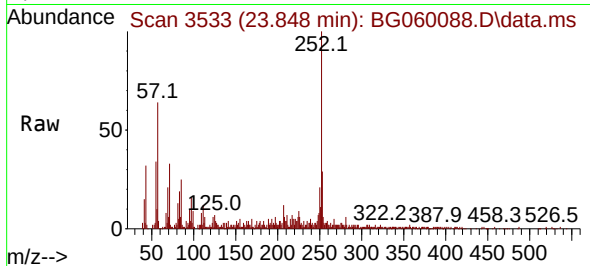
125 4.5 2.6 4.0





#89
Benzo(k)fluoranthene
Concen: 2.992 ng m
RT: 23.848 min Scan# 3533
Delta R.T. -0.021 min
Lab File: BG060088.D
Acq: 19 Dec 2023 16:47

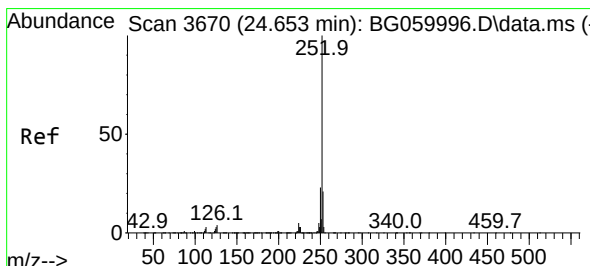
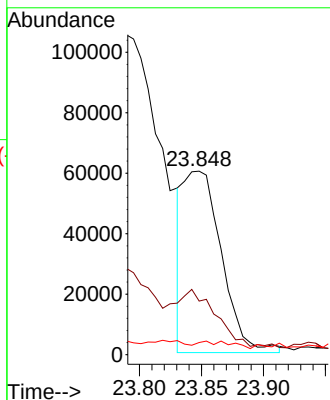
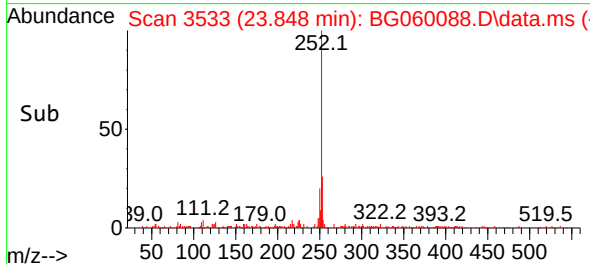
Instrument :
BNA_G
ClientSampleId :
OR-02-12122023



Tgt Ion:252 Resp: 128790
Ion Ratio Lower Upper
252 100
253 29.2 17.8 26.6
125 6.6 2.5 3.7

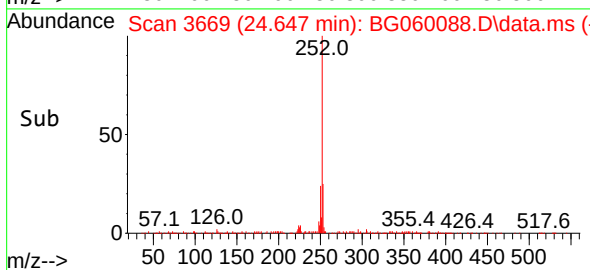
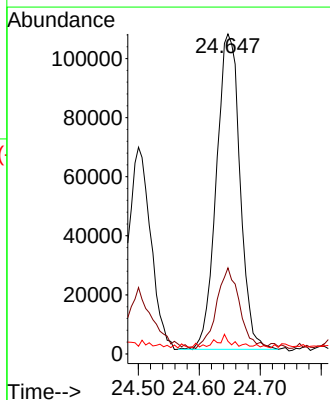
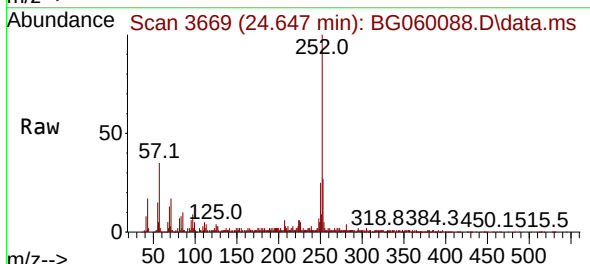
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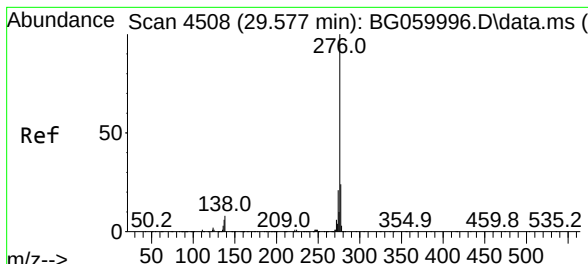
Reviewed By :Yogesh Patel 12/20/2023
Supervised By :mohammad ahmed 12/20/2023



#90
Benzo(a)pyrene
Concen: 7.305 ng
RT: 24.647 min Scan# 3669
Delta R.T. -0.015 min
Lab File: BG060088.D
Acq: 19 Dec 2023 16:47

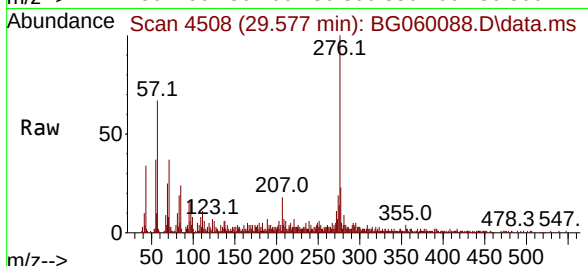
Tgt Ion:252 Resp: 287187
Ion Ratio Lower Upper
252 100
253 26.9 17.1 25.7#
125 4.0 2.6 4.0





#92
 Benzo(g,h,i)perylene
 Concen: 4.353 ng
 RT: 29.577 min Scan# 4
 Delta R.T. -0.021 min
 Lab File: BG060088.D
 Acq: 19 Dec 2023 16:47

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-12122023



Tgt Ion: 276 Resp: 18563

Ion	Ratio	Lower	Upper
276	100		
277	23.2	19.4	29.2
138	9.1	6.0	9.0

Manual Integrations
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Reviewed By :Yogesh Patel 12/20/2023
 Supervised By :mohammad ahmed 12/20/2023

