

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121423\
 Data File : BG060020.D
 Acq On : 14 Dec 2023 20:24
 Operator : MA/JU
 Sample : 05612-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-06I-DUP

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/16/2023
 Supervised By :mohammad ahmed 12/16/2023

Quant Time: Dec 15 02:38:09 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 14 01:47:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.955	152	91315	20.000	ng	0.00
21) Naphthalene-d8	10.781	136	319063	20.000	ng	0.02
39) Acenaphthene-d10	14.594	164	277991	20.000	ng	0.00
64) Phenanthrene-d10	17.338	188	860352	20.000	ng	0.00
76) Chrysene-d12	21.604	240	810277	20.000	ng	#-0.01
86) Perylene-d12	24.794	264	966038	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.523	112	319688	59.931	ng	0.00
7) Phenol-d6	7.109	99	306440	40.840	ng	0.00
23) Nitrobenzene-d5	9.118	82	597489	85.033	ng	0.00
42) 2,4,6-Tribromophenol	16.081	330	912579	140.863	ng	0.00
45) 2-Fluorobiphenyl	13.219	172	1924262	84.718	ng	0.00
79) Terphenyl-d14	19.964	244	3905694	88.003	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.875	128	18111641	1090.423	ng	# 2
37) 2-Methylnaphthalene	12.432	142	2809970	215.698	ng	94
38) 1-Methylnaphthalene	12.661	142	4539880	352.793	ng	# 99
46) 1,1'-Biphenyl	13.425	154	484077	23.480	ng	96
49) Acenaphthylene	14.312	152	71589	2.931	ng	# 71
52) Acenaphthene	14.665	154	2820054	167.744	ng	94
55) Dibenzofuran	14.988	168	171840m	6.280	ng	
58) Fluorene	15.640	166	941956	40.823	ng	100
71) Phenanthrene	17.385	178	1462633	35.098	ng	99
72) Anthracene	17.473	178	252790	6.033	ng	97
73) Carbazole	17.738	167	267752	7.520	ng	99
75) Fluoranthene	19.394	202	124429	2.046	ng	97
78) Pyrene	19.753	202	168489	3.430	ng	96

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

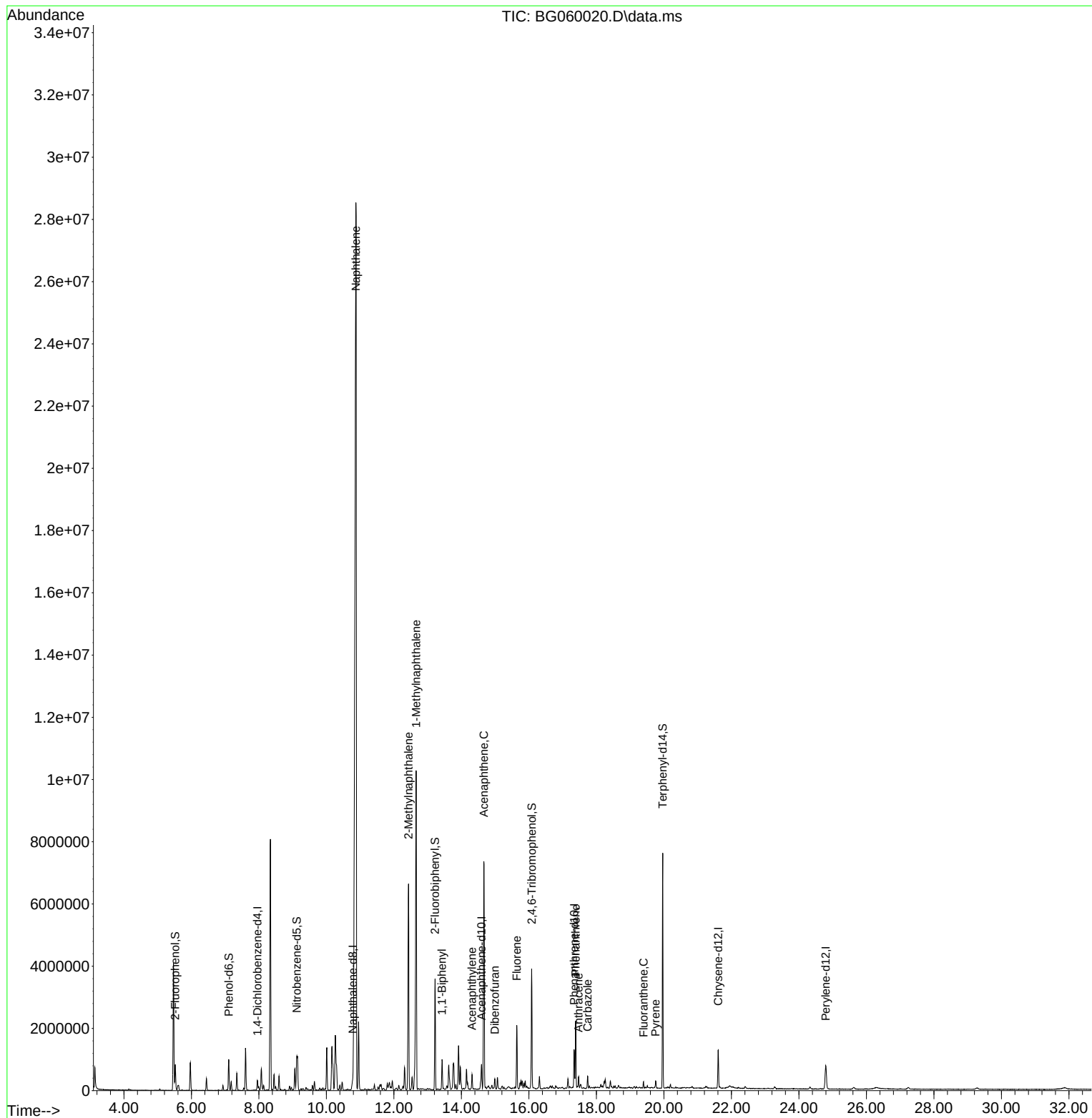
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121423\
Data File : BG060020.D
Acq On : 14 Dec 2023 20:24
Operator : MA/JU
Sample : 05612-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

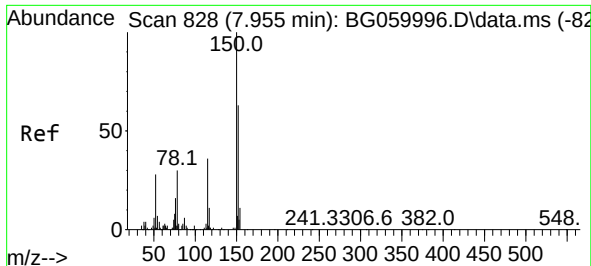
Instrument :
BNA_G
ClientSampleId :
MW-06I-DUP

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023

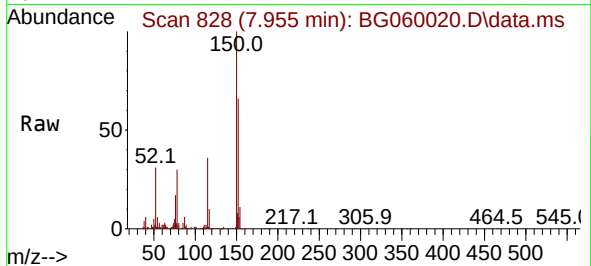
Quant Time: Dec 15 02:38:09 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 14 01:47:12 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.955 min Scan# 81
Delta R.T. -0.000 min
Lab File: BG060020.D
Acq: 14 Dec 2023 20:24

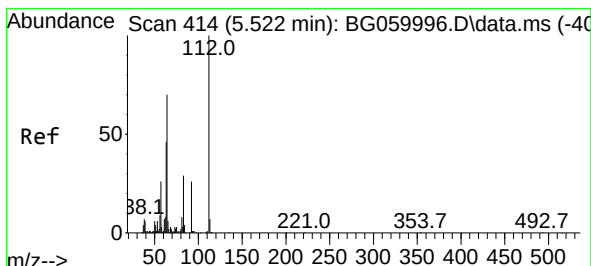
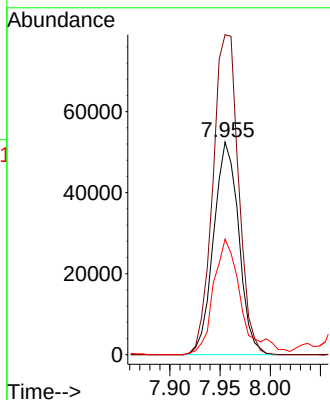
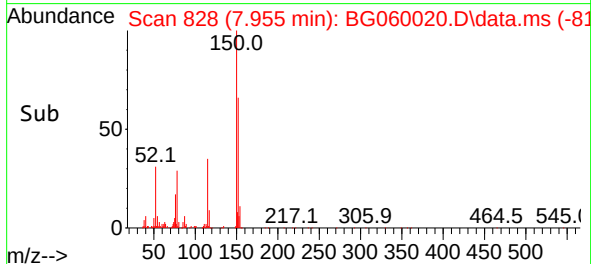
Instrument :
BNA_G
ClientSampleId :
MW-06I-DUP



Tgt Ion:152 Resp: 9131
Ion Ratio Lower Upper
152 100
150 150.5 127.0 190.6
115 54.3 45.7 68.5

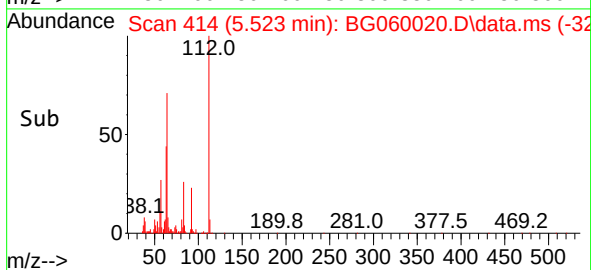
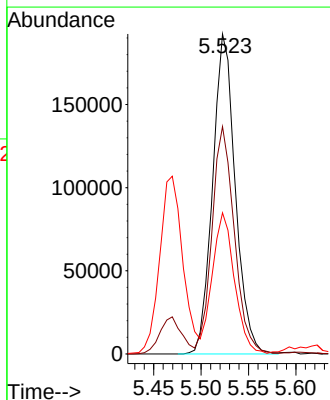
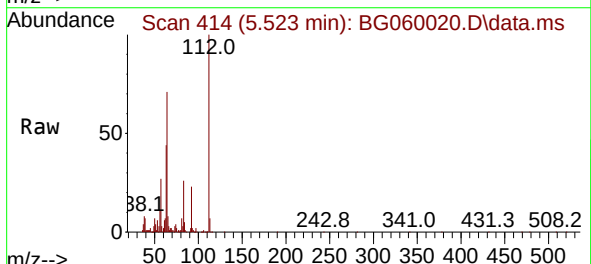
Manual Integrations
APPROVED

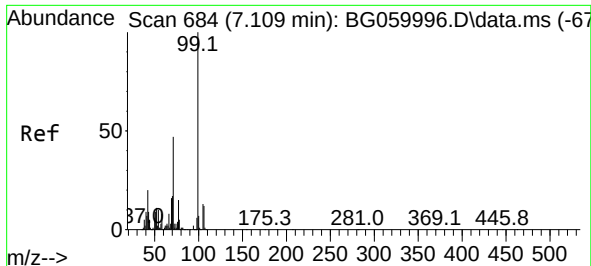
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#5
2-Fluorophenol
Concen: 59.931 ng
RT: 5.523 min Scan# 414
Delta R.T. 0.000 min
Lab File: BG060020.D
Acq: 14 Dec 2023 20:24

Tgt Ion:112 Resp: 319688
Ion Ratio Lower Upper
112 100
64 71.0 55.9 83.9
63 44.1 36.5 54.7





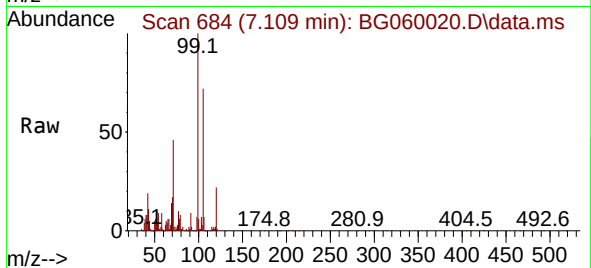
#7
Phenol-d6
Concen: 40.840 ng
RT: 7.109 min Scan# 684
Delta R.T. 0.000 min
Lab File: BG060020.D
Acq: 14 Dec 2023 20:24

Instrument :

BNA_G

ClientSampleId :

MW-06I-DUP



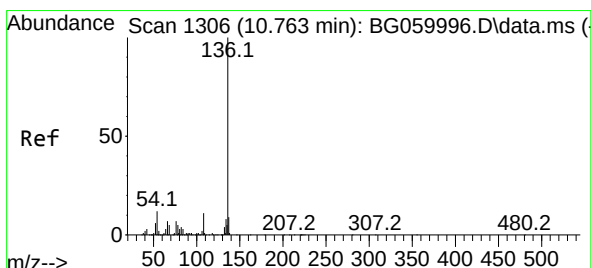
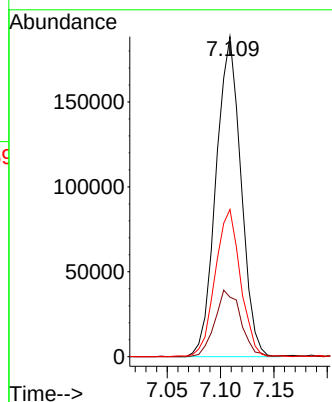
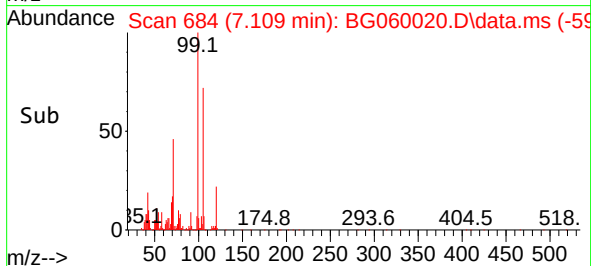
Tgt Ion: 99 Resp: 306440
Ion Ratio Lower Upper
99 100
42 18.6 16.2 24.4
71 46.0 37.6 56.4

Manual Integrations

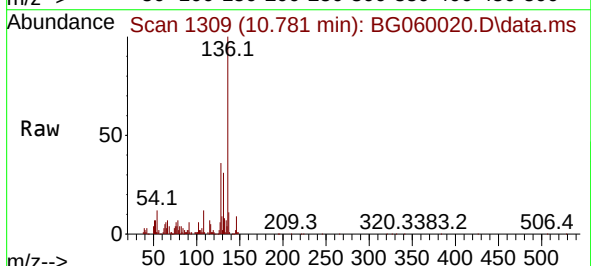
APPROVED

Reviewed By :Yogesh Patel 12/16/2023

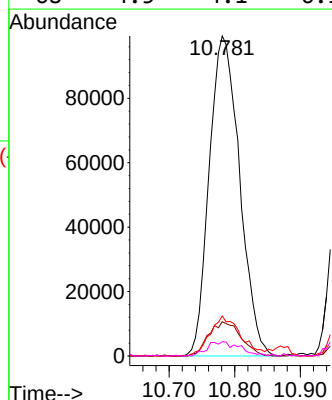
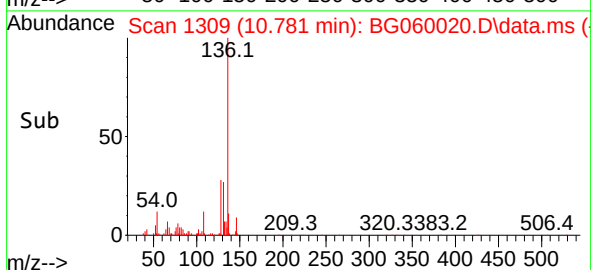
Supervised By :mohammad ahmed 12/16/2023

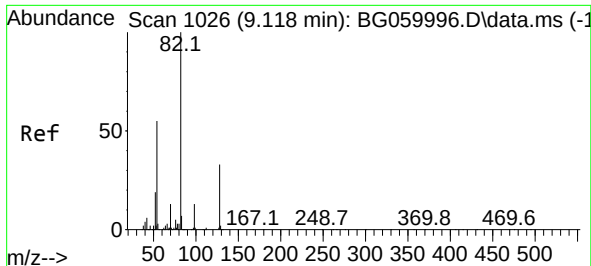


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.781 min Scan# 1309
Delta R.T. 0.018 min
Lab File: BG060020.D
Acq: 14 Dec 2023 20:24



Tgt Ion:136 Resp: 319063
Ion Ratio Lower Upper
136 100
137 10.7 7.3 10.9
54 12.5 9.6 14.4
68 4.5 4.1 6.1





#23
Nitrobenzene-d5
Concen: 85.033 ng
RT: 9.118 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BG060020.D
Acq: 14 Dec 2023 20:24

Instrument :

BNL_G

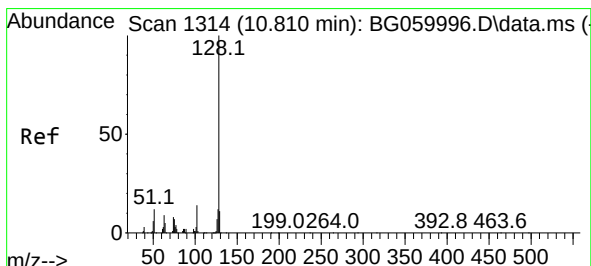
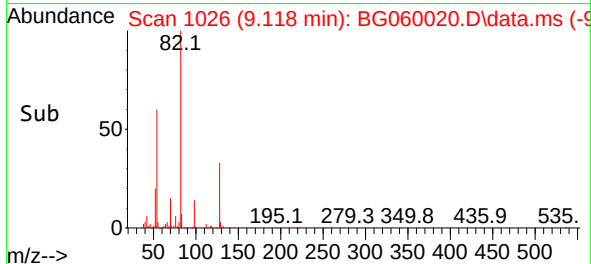
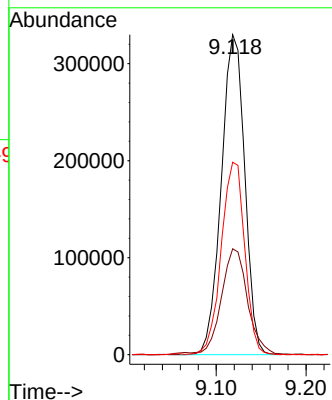
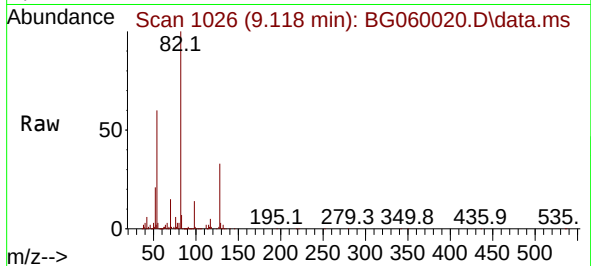
ClientSampleId :

MW-06I-DUP

Tgt Ion: 82 Resp: 597489
Ion Ratio Lower Upper
82 100
128 33.1 26.3 39.5
54 60.2 44.3 66.5

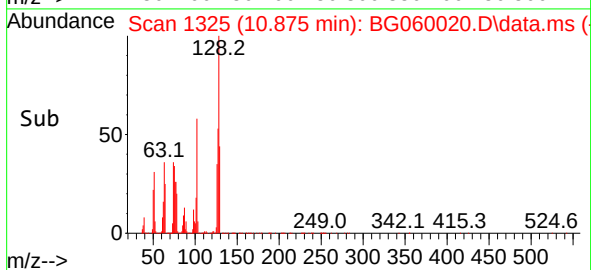
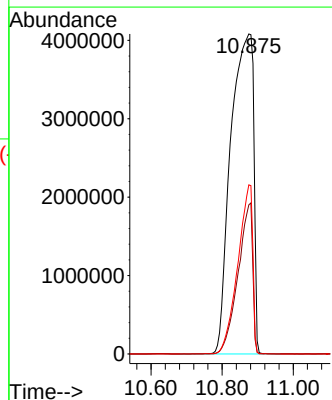
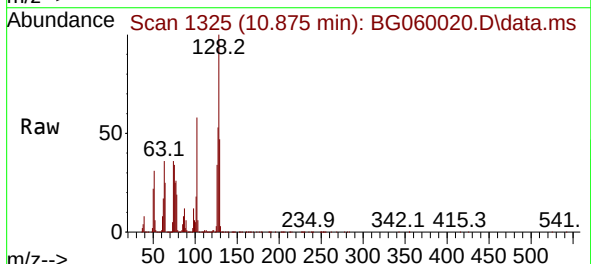
Manual Integrations
APPROVED

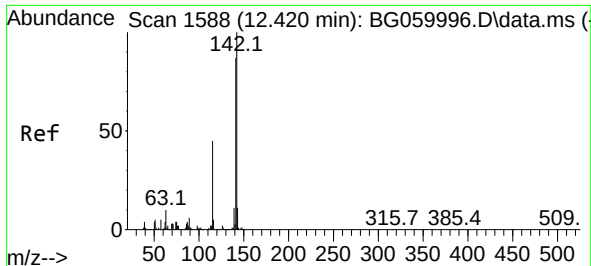
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#31
Naphthalene
Concen: 1090.423 ng
RT: 10.875 min Scan# 1325
Delta R.T. 0.065 min
Lab File: BG060020.D
Acq: 14 Dec 2023 20:24

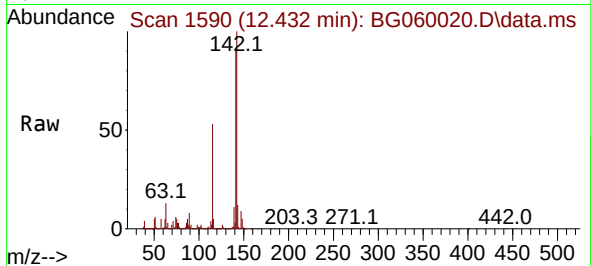
Tgt Ion:128 Resp:18111641
Ion Ratio Lower Upper
128 100
129 46.6 9.2 13.8#
127 52.9 9.7 14.5#





#37
2-Methylnaphthalene
Concen: 215.698 ng
RT: 12.432 min Scan# 1590
Delta R.T. 0.012 min
Lab File: BG060020.D
Acq: 14 Dec 2023 20:24

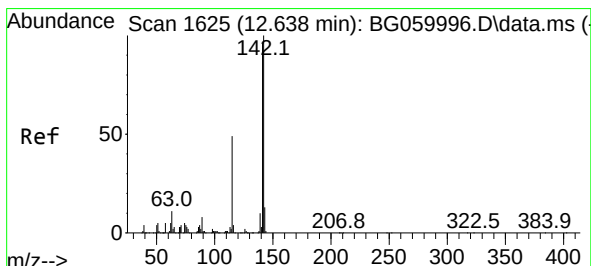
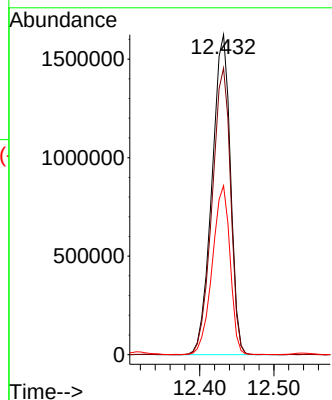
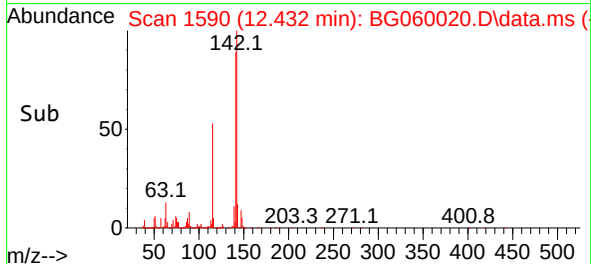
Instrument :
BNA_G
ClientSampleId :
MW-06I-DUP



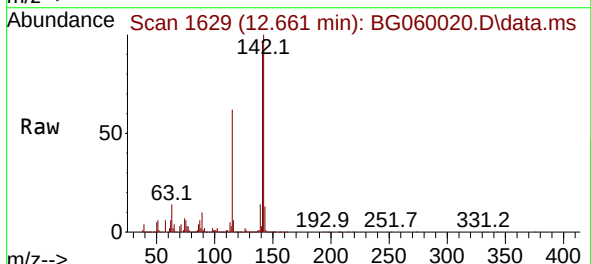
Tgt Ion:142 Resp: 2809970
Ion Ratio Lower Upper
142 100
141 89.5 69.9 104.9
115 52.8 36.1 54.1

Manual Integrations
APPROVED

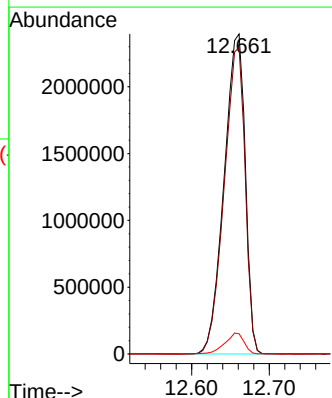
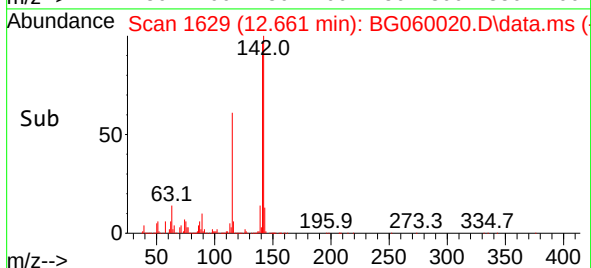
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023

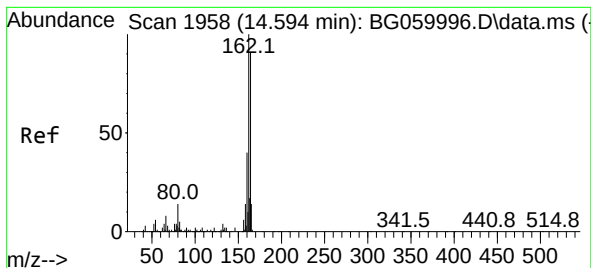


#38
1-Methylnaphthalene
Concen: 352.793 ng
RT: 12.661 min Scan# 1629
Delta R.T. 0.024 min
Lab File: BG060020.D
Acq: 14 Dec 2023 20:24



Tgt Ion:142 Resp: 4539880
Ion Ratio Lower Upper
142 100
141 95.8 76.9 115.3
116 6.3 3.5 5.3#





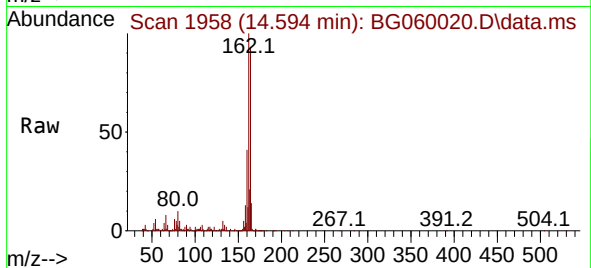
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.594 min Scan# 1958
Delta R.T. 0.000 min
Lab File: BG060020.D
Acq: 14 Dec 2023 20:24

Instrument :

BNA_G

ClientSampleId :

MW-06I-DUP



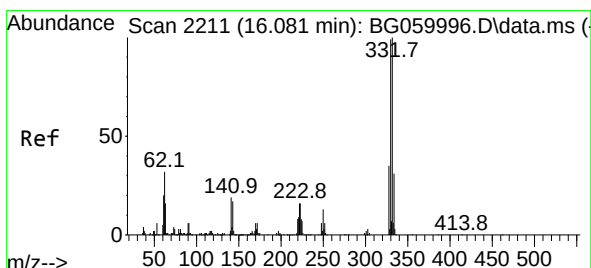
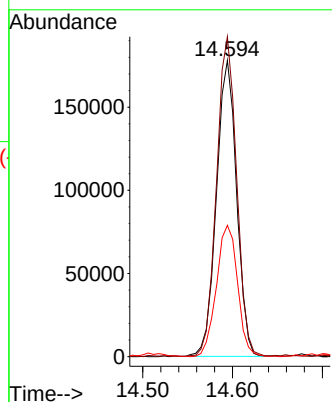
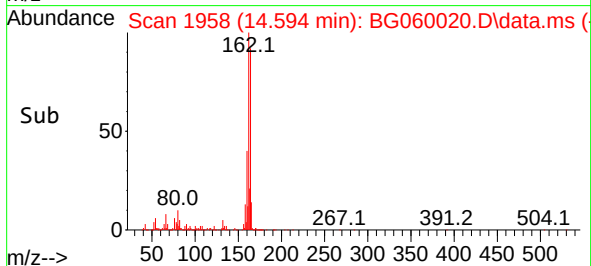
Tgt Ion:164 Resp: 27799
Ion Ratio Lower Upper
164 100
162 108.0 88.1 132.1
160 44.3 35.4 53.0

Manual Integrations

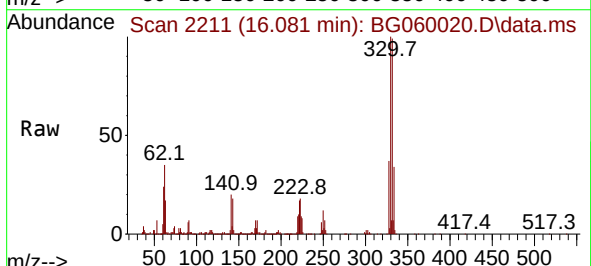
APPROVED

Reviewed By :Yogesh Patel 12/16/2023

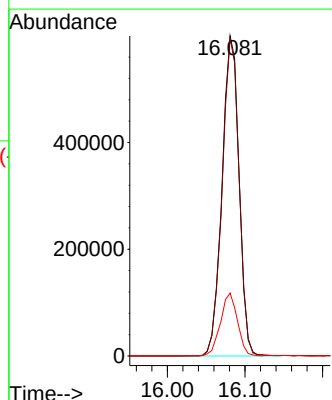
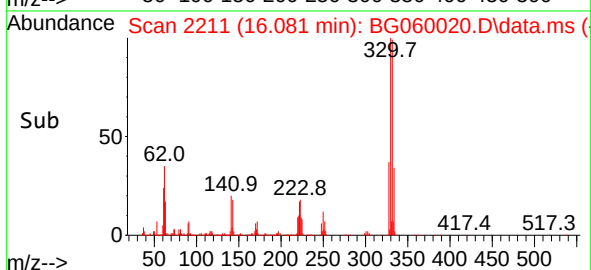
Supervised By :mohammad ahmed 12/16/2023

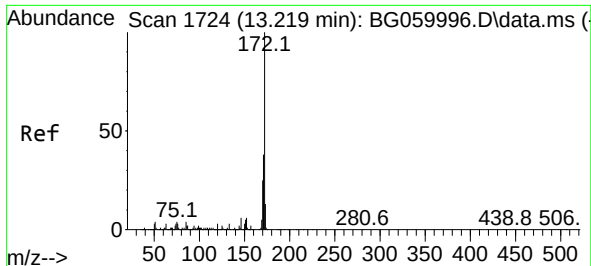


#42
2,4,6-Tribromophenol
Concen: 140.863 ng
RT: 16.081 min Scan# 2211
Delta R.T. 0.000 min
Lab File: BG060020.D
Acq: 14 Dec 2023 20:24



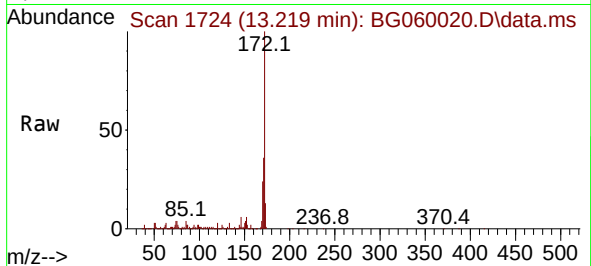
Tgt Ion:330 Resp: 912579
Ion Ratio Lower Upper
330 100
332 98.5 76.2 114.4
141 19.5 14.3 21.5





#45
2-Fluorobiphenyl
Concen: 84.718 ng
RT: 13.219 min Scan# 1724
Delta R.T. 0.000 min
Lab File: BG060020.D
Acq: 14 Dec 2023 20:24

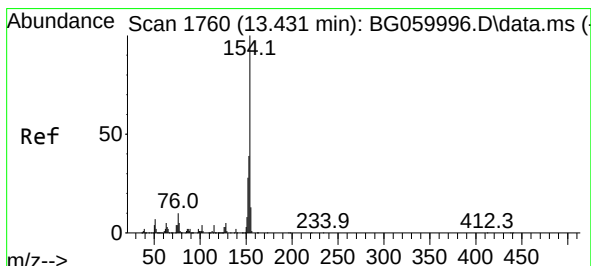
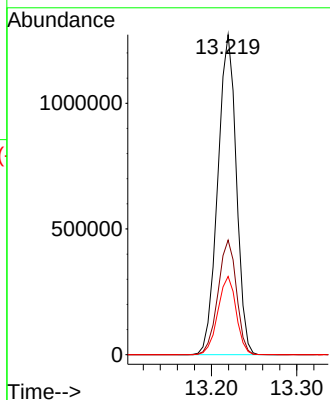
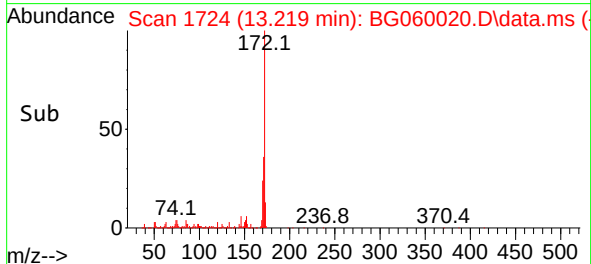
Instrument :
BNA_G
ClientSampleId :
MW-06I-DUP



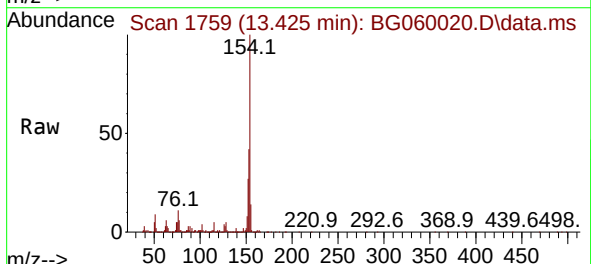
Tgt Ion:172 Resp: 1924262
Ion Ratio Lower Upper
172 100
171 35.8 30.1 45.1
170 24.4 20.0 30.0

Manual Integrations
APPROVED

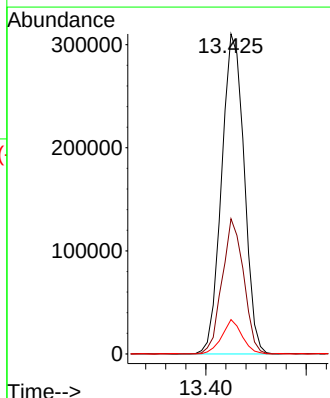
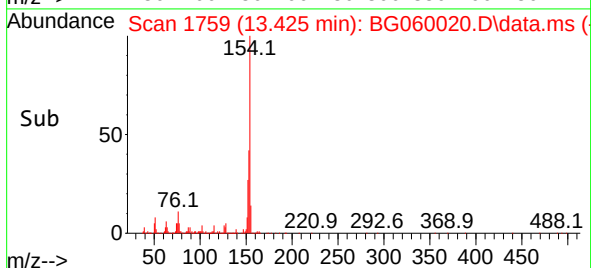
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023

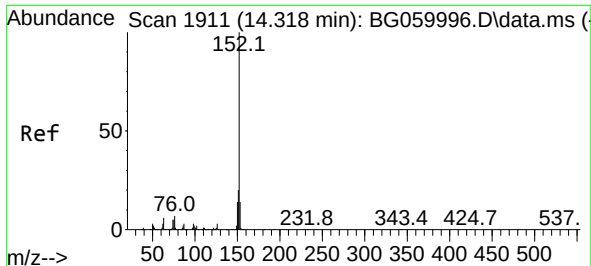


#46
1,1'-Biphenyl
Concen: 23.480 ng
RT: 13.425 min Scan# 1759
Delta R.T. -0.006 min
Lab File: BG060020.D
Acq: 14 Dec 2023 20:24



Tgt Ion:154 Resp: 484077
Ion Ratio Lower Upper
154 100
153 42.3 19.2 59.2
76 10.7 0.0 29.9





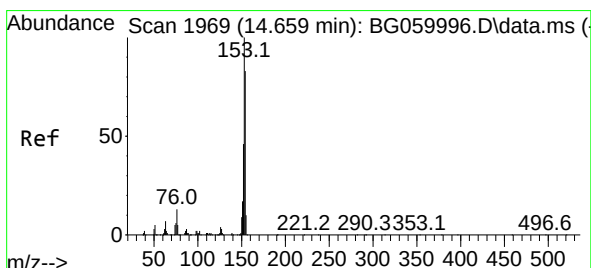
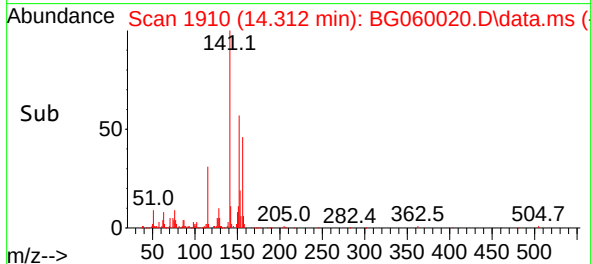
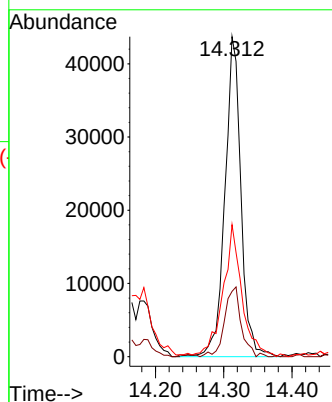
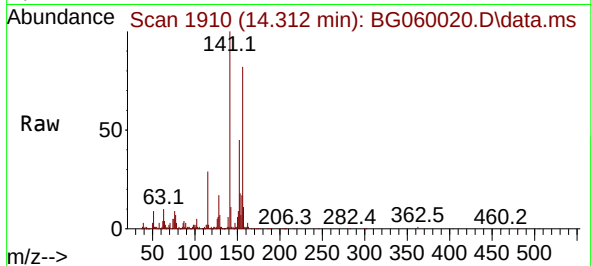
#49
Acenaphthylene
Concen: 2.931 ng
RT: 14.312 min Scan# 1911
Delta R.T. -0.006 min
Lab File: BG060020.D
Acq: 14 Dec 2023 20:24

Instrument :
BNA_G
ClientSampleId :
MW-06I-DUP

Tgt Ion:152 Resp: 71589
Ion Ratio Lower Upper
152 100
151 20.4 15.8 23.8
153 41.2 11.0 16.4

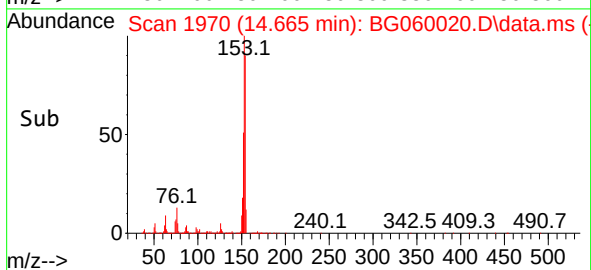
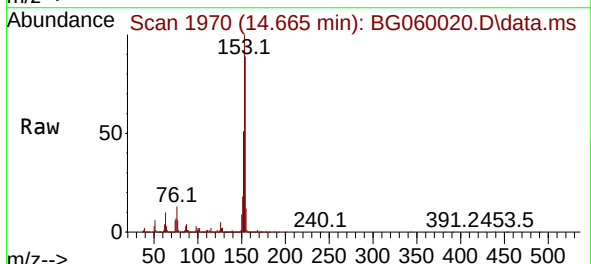
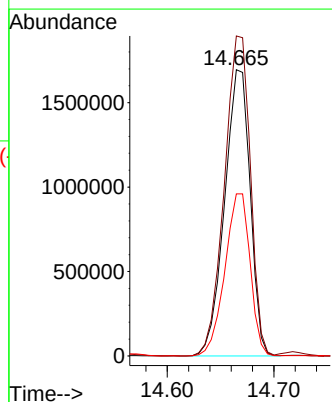
Manual Integrations
APPROVED

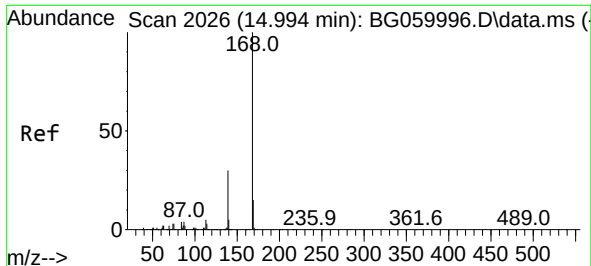
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#52
Acenaphthene
Concen: 167.744 ng
RT: 14.665 min Scan# 1970
Delta R.T. 0.006 min
Lab File: BG060020.D
Acq: 14 Dec 2023 20:24

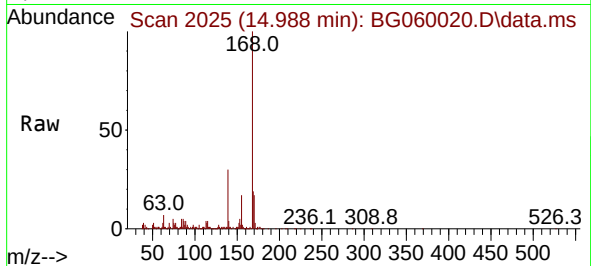
Tgt Ion:154 Resp: 2820054
Ion Ratio Lower Upper
154 100
153 111.8 96.0 144.0
152 56.6 44.3 66.5





#55
Dibenzenofuran
Concen: 6.280 ng m
RT: 14.988 min Scan# 20
Delta R.T. -0.006 min
Lab File: BG060020.D
Acq: 14 Dec 2023 20:24

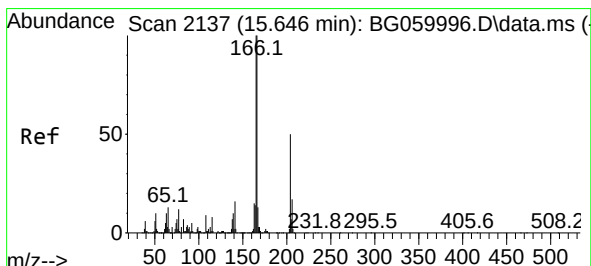
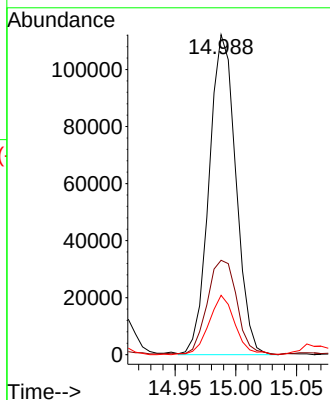
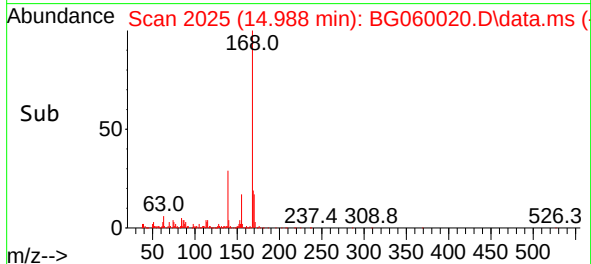
Instrument :
BNA_G
ClientSampleId :
MW-06I-DUP



Tgt Ion:168 Resp: 171840
Ion Ratio Lower Upper
168 100
139 29.5 24.0 36.0
169 18.6 11.8 17.8

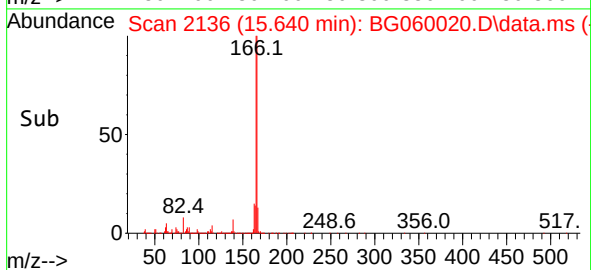
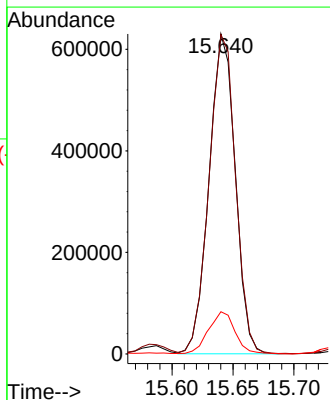
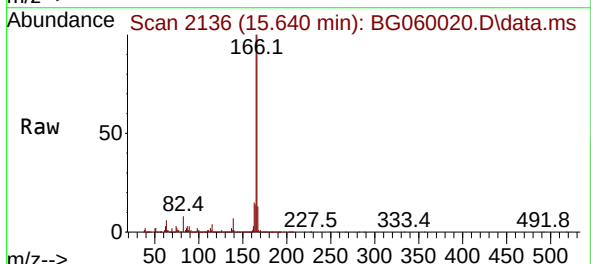
Manual Integrations
APPROVED

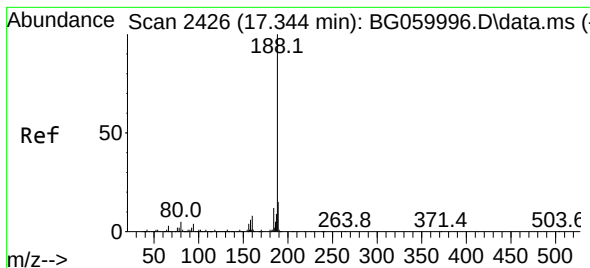
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#58
Fluorene
Concen: 40.823 ng
RT: 15.640 min Scan# 2136
Delta R.T. -0.006 min
Lab File: BG060020.D
Acq: 14 Dec 2023 20:24

Tgt Ion:166 Resp: 941956
Ion Ratio Lower Upper
166 100
165 99.8 80.2 120.2
167 13.2 10.3 15.5





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.338 min Scan# 2425
Delta R.T. -0.006 min
Lab File: BG060020.D
Acq: 14 Dec 2023 20:24

Instrument :

BNA_G

ClientSampleId :

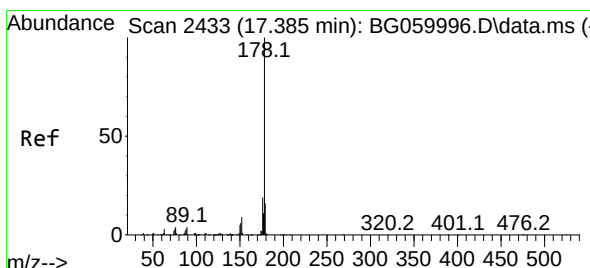
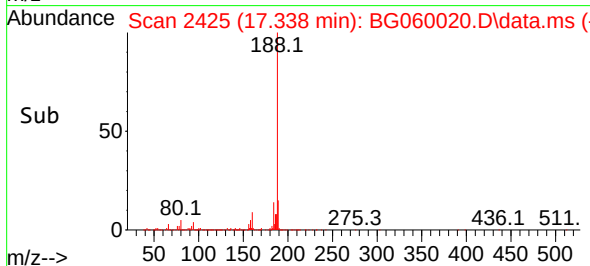
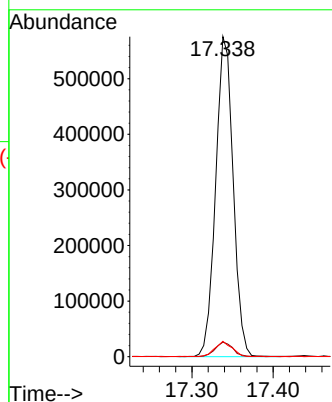
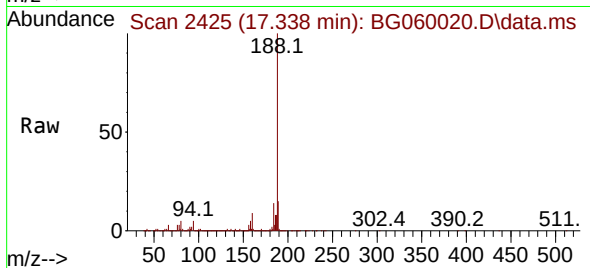
MW-06I-DUP

Tgt Ion:188 Resp: 860352
Ion Ratio Lower Upper
188 100
94 4.5 3.0 4.6
80 4.8 4.0 6.0

Manual Integrations

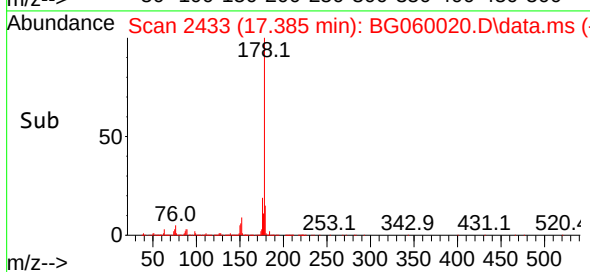
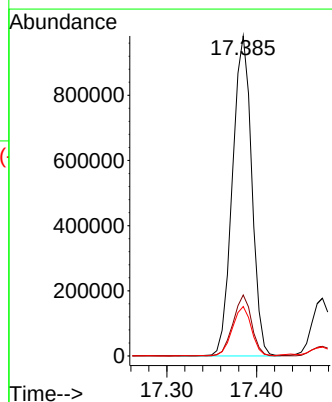
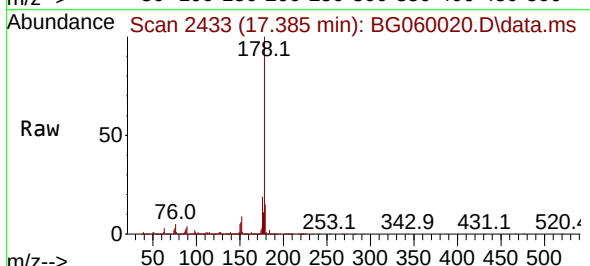
APPROVED

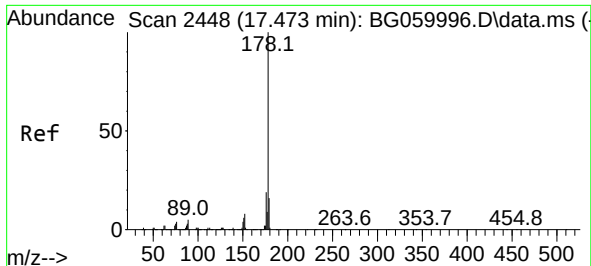
Reviewed By :Yogesh Patel 12/16/2023
Supervised By :mohammad ahmed 12/16/2023



#71
Phenanthrene
Concen: 35.098 ng
RT: 17.385 min Scan# 2433
Delta R.T. 0.000 min
Lab File: BG060020.D
Acq: 14 Dec 2023 20:24

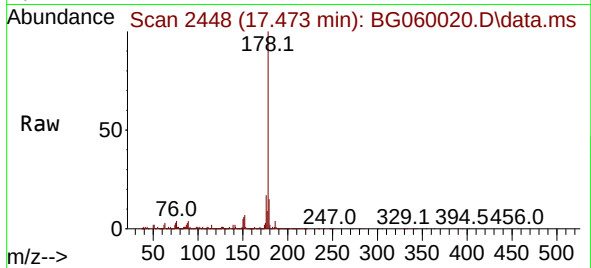
Tgt Ion:178 Resp: 1462633
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 15.5 12.6 19.0





#72
 Anthracene
 Concen: 6.033 ng
 RT: 17.473 min Scan# 2448
 Delta R.T. 0.000 min
 Lab File: BG060020.D
 Acq: 14 Dec 2023 20:24

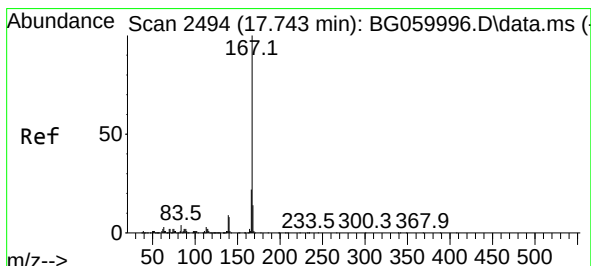
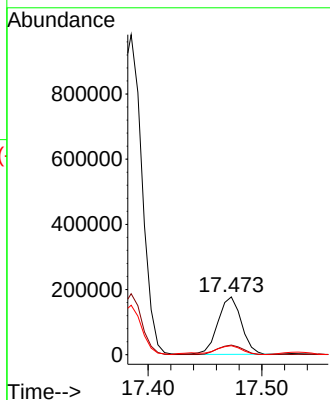
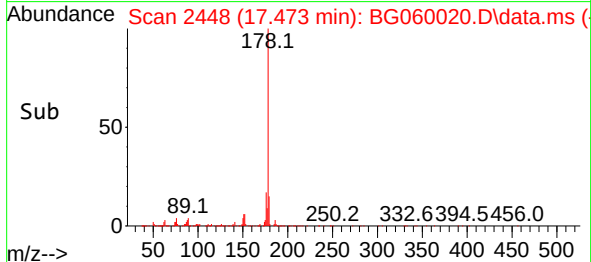
Instrument :
 BNA_G
 ClientSampleId :
 MW-06I-DUP



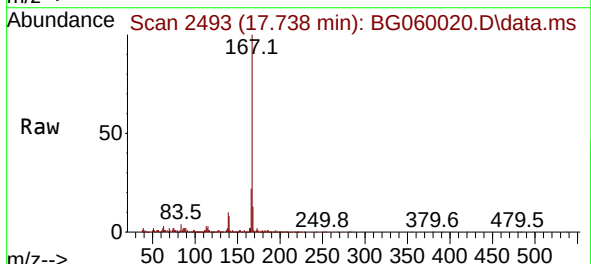
Tgt Ion:178 Resp: 252790
 Ion Ratio Lower Upper
 178 100
 176 16.7 15.0 22.6
 179 15.5 12.6 19.0

Manual Integrations
 APPROVED

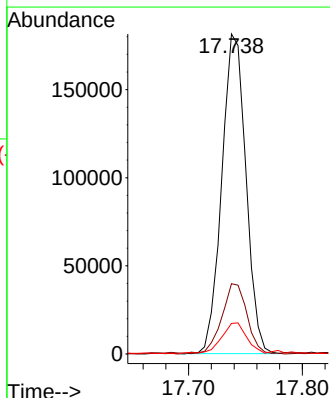
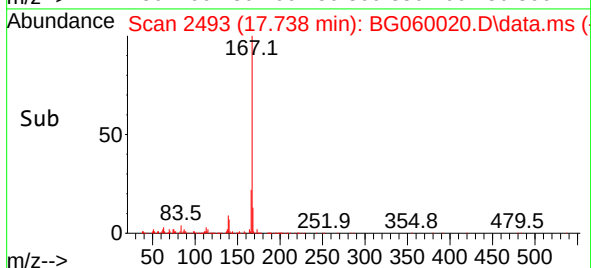
Reviewed By :Yogesh Patel 12/16/2023
 Supervised By :mohammad ahmed 12/16/2023

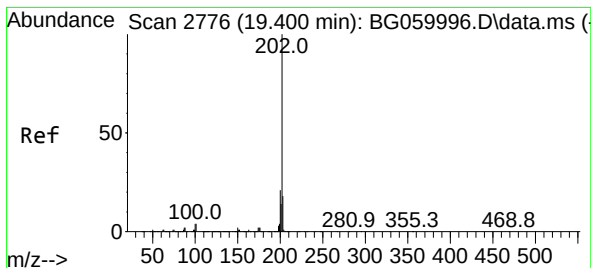


#73
 Carbazole
 Concen: 7.520 ng
 RT: 17.738 min Scan# 2493
 Delta R.T. -0.005 min
 Lab File: BG060020.D
 Acq: 14 Dec 2023 20:24



Tgt Ion:167 Resp: 267752
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.4 26.0
 139 9.5 7.5 11.3





#75

Fluoranthene

Concen: 2.046 ng

RT: 19.394 min Scan# 21

Delta R.T. -0.006 min

Lab File: BG060020.D

Acq: 14 Dec 2023 20:24

Instrument :

BNA_G

ClientSampleId :

MW-06I-DUP

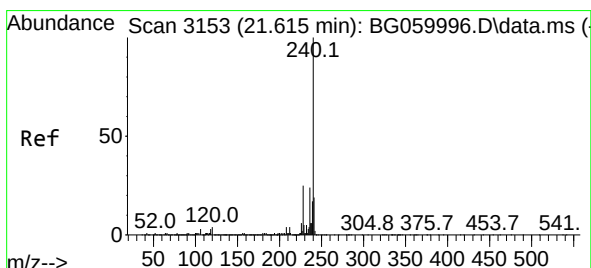
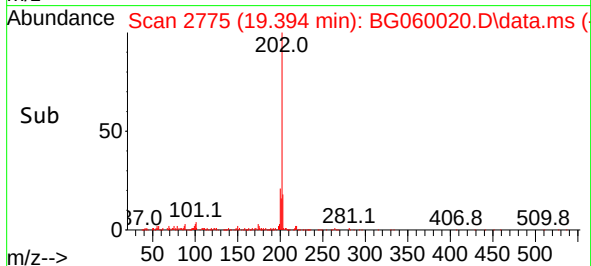
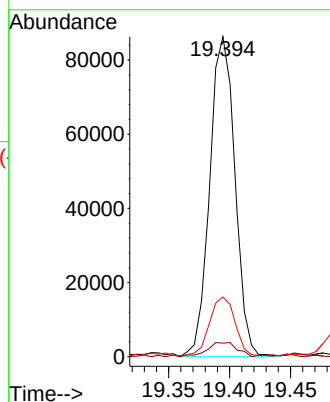
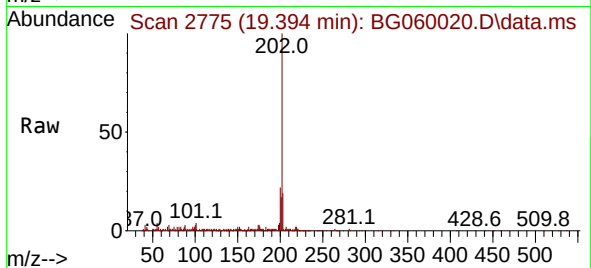
Tgt Ion:202 Resp: 124429
 Ion Ratio Lower Upper
 202 100
 101 5.2 0.0 24.2
 203 18.7 0.0 37.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/16/2023

Supervised By :mohammad ahmed 12/16/2023



#76

Chrysene-d12

Concen: 20.000 ng

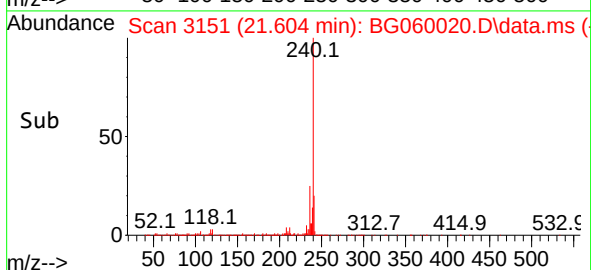
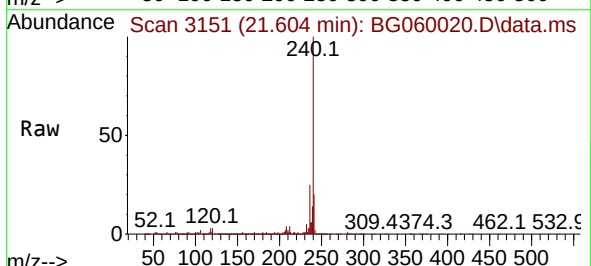
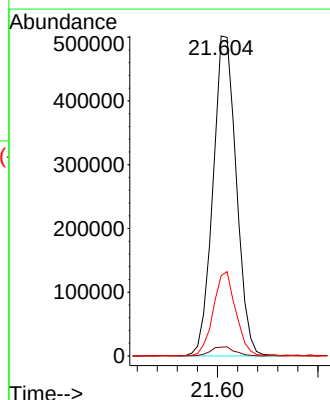
RT: 21.604 min Scan# 3151

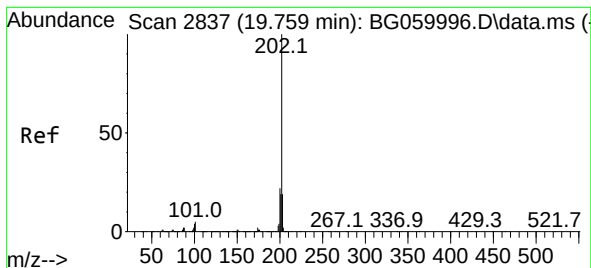
Delta R.T. -0.012 min

Lab File: BG060020.D

Acq: 14 Dec 2023 20:24

Tgt Ion:240 Resp: 810277
 Ion Ratio Lower Upper
 240 100
 120 2.8 2.9 4.3#
 236 25.1 19.4 29.2





#78

Pyrene

Concen: 3.430 ng

RT: 19.753 min Scan# 2836

Delta R.T. -0.006 min

Lab File: BG060020.D

Acq: 14 Dec 2023 20:24

Instrument :

BNA_G

ClientSampleId :

MW-06I-DUP

Tgt Ion:202 Resp: 168489

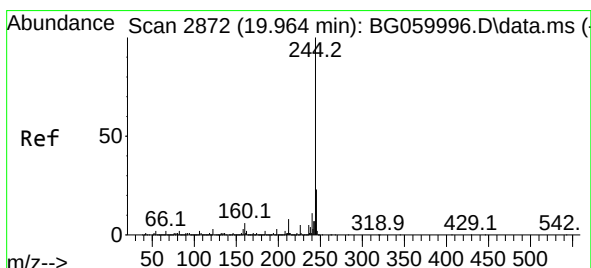
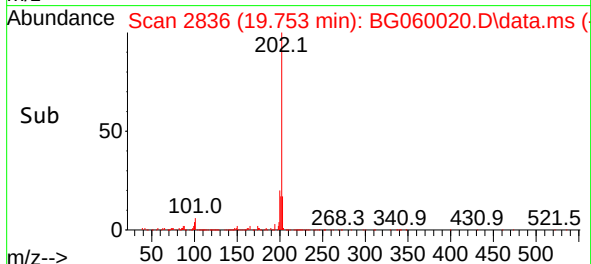
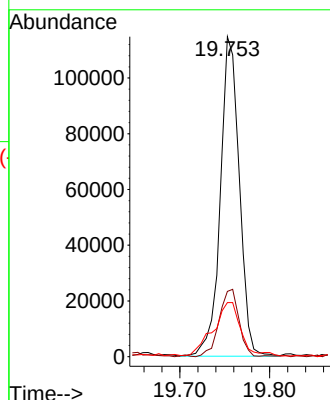
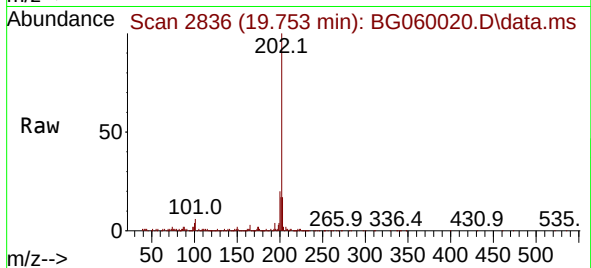
Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.6	26.4
203	16.9	14.9	22.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/16/2023

Supervised By :mohammad ahmed 12/16/2023



#79

Terphenyl-d14

Concen: 88.003 ng

RT: 19.964 min Scan# 2872

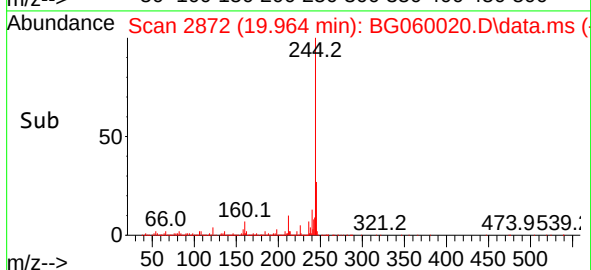
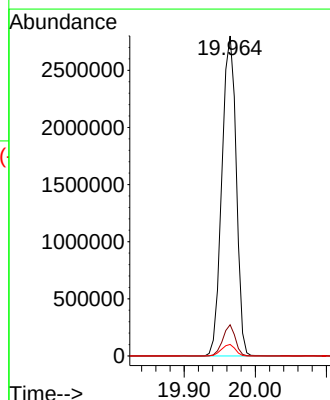
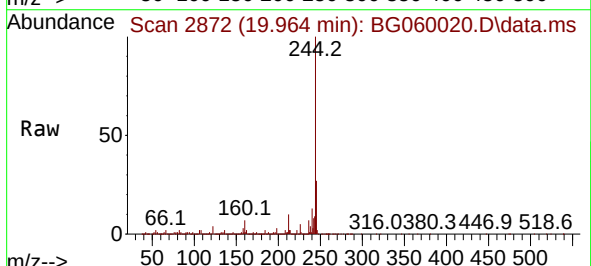
Delta R.T. 0.000 min

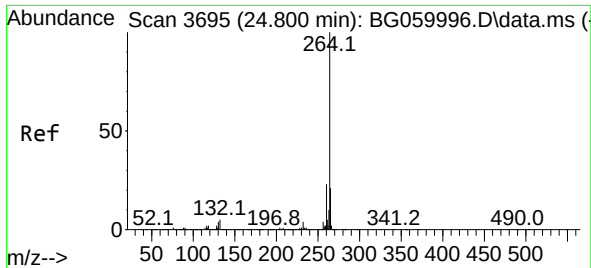
Lab File: BG060020.D

Acq: 14 Dec 2023 20:24

Tgt Ion:244 Resp: 3905694

Ion	Ratio	Lower	Upper
244	100		
212	9.8	6.8	10.2
122	3.6	2.6	3.8





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.794 min Scan# 30
 Delta R.T. -0.006 min
 Lab File: BG060020.D
 Acq: 14 Dec 2023 20:24

Instrument :

BNA_G

ClientSampleId :

MW-06I-DUP

Tgt Ion:264 Resp: 966038
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.5 27.7
 265 22.3 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/16/2023
 Supervised By :mohammad ahmed 12/16/2023

