

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121823\
 Data File : BG060072.D
 Acq On : 18 Dec 2023 18:54
 Operator : MA/JU
 Sample : 05466-01DL2 20X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RB21144DL2

Manual Integrations
 APPROVED

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

Quant Time: Dec 19 04:40:39 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	7.953	152	77419	20.000	ng	0.00
21) Naphthalene-d8	10.756	136	298125	20.000	ng	# 0.00
39) Acenaphthene-d10	14.592	164	257223	20.000	ng	0.00
64) Phenanthrene-d10	17.342	188	757229	20.000	ng	# 0.00
76) Chrysene-d12	21.614	240	809671	20.000	ng	# 0.00
86) Perylene-d12	24.810	264	904573	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.521	112	39714	8.781	ng	0.00
7) Phenol-d6	7.107	99	60586	9.524	ng	0.00
23) Nitrobenzene-d5	9.111	82	42096	6.412	ng	-0.01
42) 2,4,6-Tribromophenol	16.079	330	63044	10.517	ng	0.00
45) 2-Fluorobiphenyl	13.212	172	144089	6.856	ng	0.00
79) Terphenyl-d14	19.963	244	368579	8.311	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.383	178	108126	2.948	ng	# 94
75) Fluoranthene	19.404	202	2523178	47.142	ng	94
78) Pyrene	19.763	202	1912462	38.965	ng	99
81) Benzo(a)anthracene	21.596	228	437833	8.050	ng	99
83) Chrysene	21.661	228	643769	12.494	ng	95
88) Benzo(b)fluoranthene	23.788	252	325292m	5.823	ng	
89) Benzo(k)fluoranthene	23.852	252	136320m	2.516	ng	
90) Benzo(a)pyrene	24.645	252	139565	2.820	ng	# 90

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

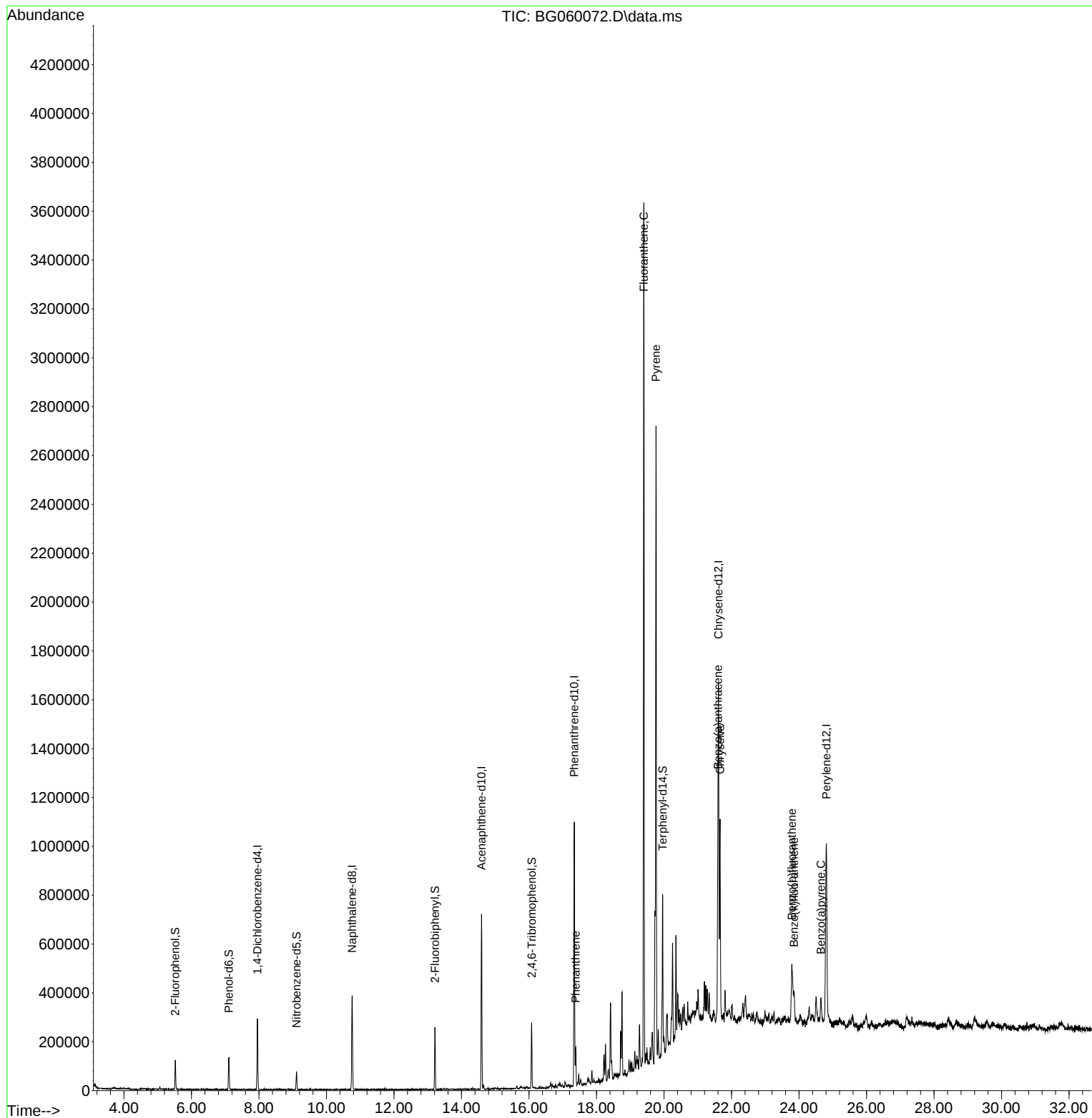
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121823\
Data File : BG060072.D
Acq On : 18 Dec 2023 18:54
Operator : MA/JU
Sample : 05466-01DL2 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

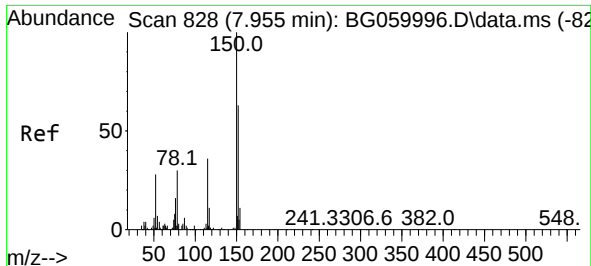
Instrument :
BNA_G
ClientSampleId :
RB21144DL2

Quant Time: Dec 19 04:40:39 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

Manual Integrations
APPROVED

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





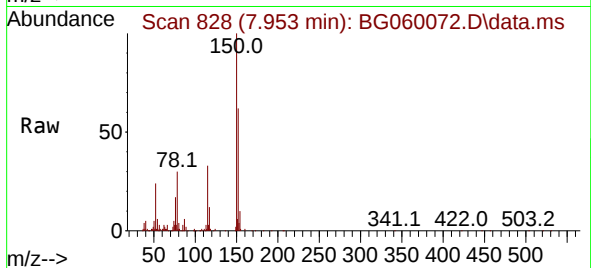
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.953 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG060072.D
Acq: 18 Dec 2023 18:54

Instrument :

BNA_G

ClientSampleId :

RB21144DL2



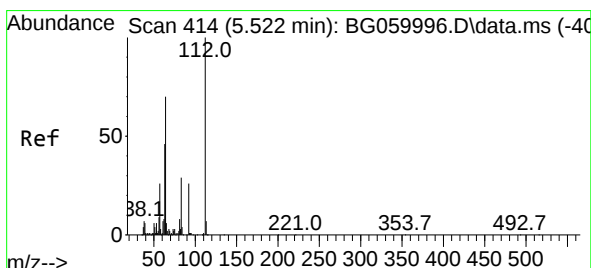
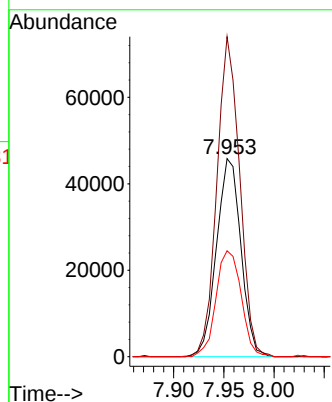
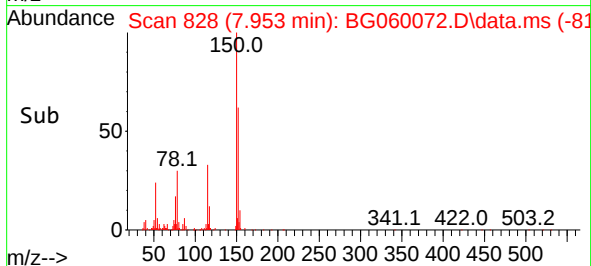
Tgt Ion:152 Resp: 77419
Ion Ratio Lower Upper
152 100
150 161.6 127.0 190.6
115 53.5 45.7 68.5

Manual Integrations

APPROVED

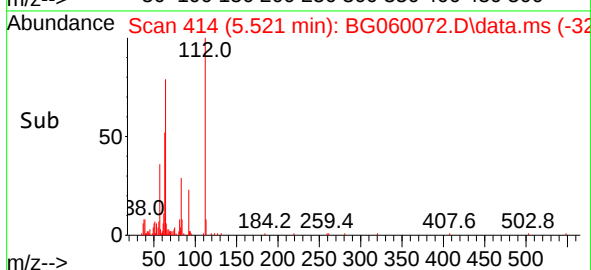
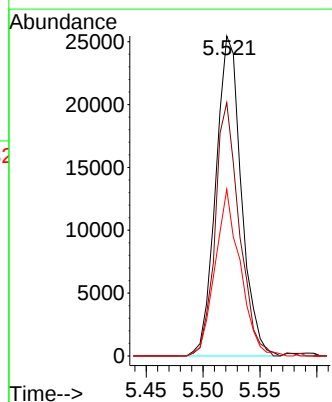
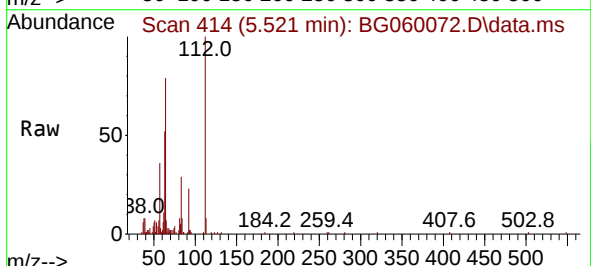
Reviewed By :Yogesh Patel 12/20/2023

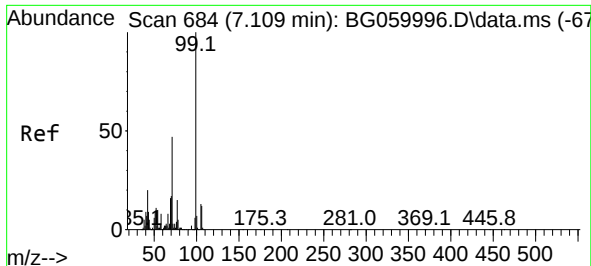
Supervised By :mohammad ahmed 12/20/2023



#5
2-Fluorophenol
Concen: 8.781 ng
RT: 5.521 min Scan# 414
Delta R.T. -0.005 min
Lab File: BG060072.D
Acq: 18 Dec 2023 18:54

Tgt Ion:112 Resp: 39714
Ion Ratio Lower Upper
112 100
64 79.1 55.9 83.9
63 52.1 36.5 54.7





#7
Phenol-d6
Concen: 9.524 ng
RT: 7.107 min Scan# 60580
Delta R.T. -0.005 min
Lab File: BG060072.D
Acq: 18 Dec 2023 18:54

Instrument :

BNA_G

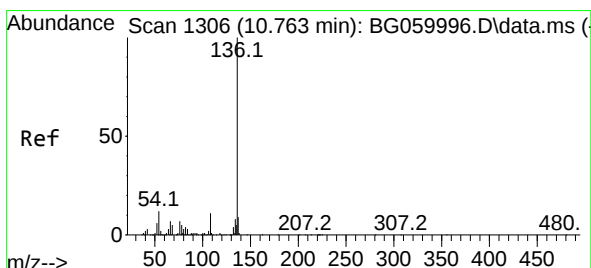
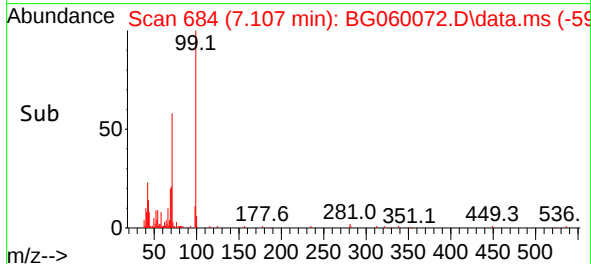
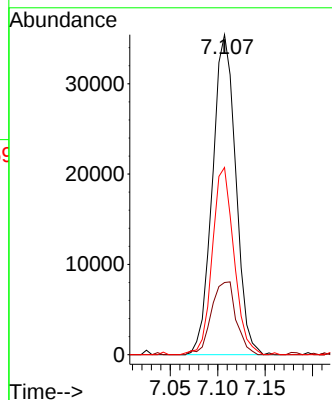
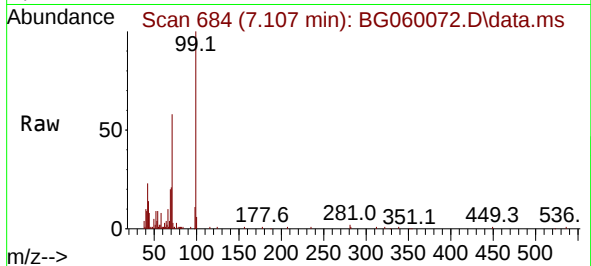
ClientSampleId :

RB21144DL2

Tgt Ion: 99 Resp: 60580
Ion Ratio Lower Upper
99 100
42 22.5 16.2 24.4
71 58.5 37.6 56.4

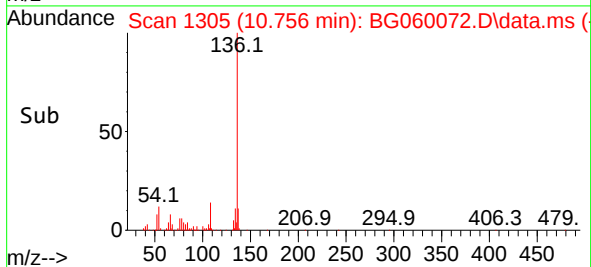
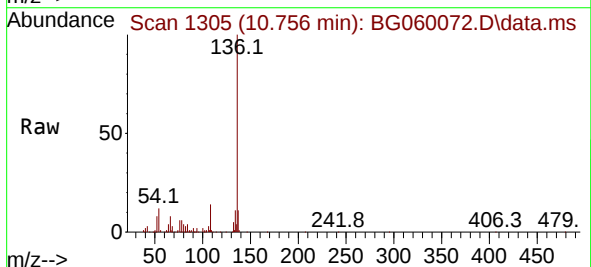
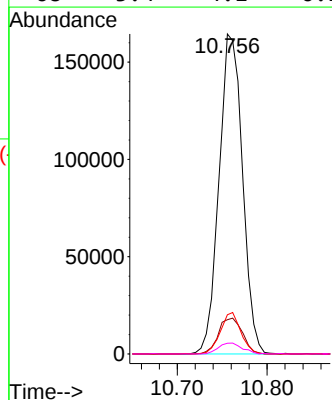
Manual Integrations
APPROVED

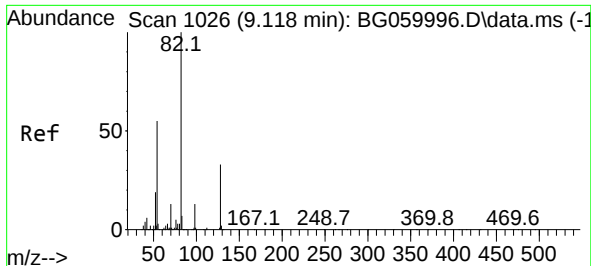
Reviewed By :Yogesh Patel 12/20/2023
Supervised By :mohammad ahmed 12/20/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.756 min Scan# 1305
Delta R.T. -0.005 min
Lab File: BG060072.D
Acq: 18 Dec 2023 18:54

Tgt Ion:136 Resp: 298125
Ion Ratio Lower Upper
136 100
137 10.7 7.3 10.9
54 12.2 9.6 14.4
68 3.4 4.1 6.1





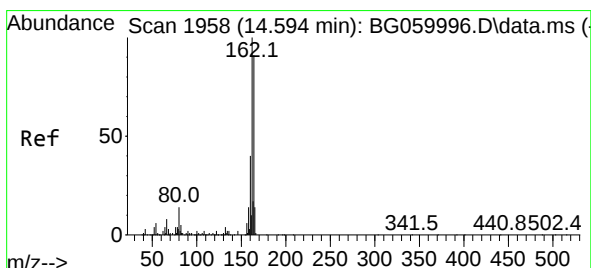
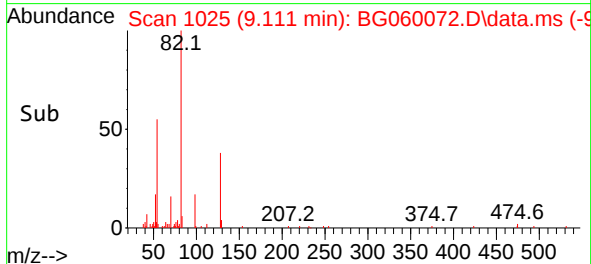
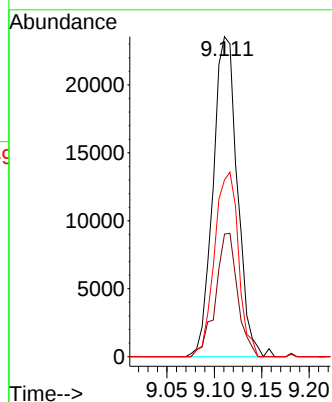
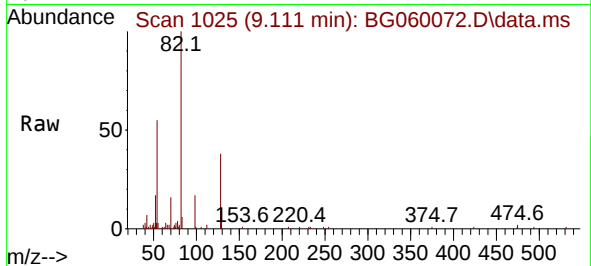
#23
Nitrobenzene-d5
Concen: 6.412 ng
RT: 9.111 min Scan# 1026
Delta R.T. -0.011 min
Lab File: BG060072.D
Acq: 18 Dec 2023 18:54

Instrument :
BNA_G
ClientSampleId :
RB21144DL2

Tgt Ion: 82 Resp: 42090
Ion Ratio Lower Upper
82 100
128 38.3 26.3 39.5
54 55.2 44.3 66.5

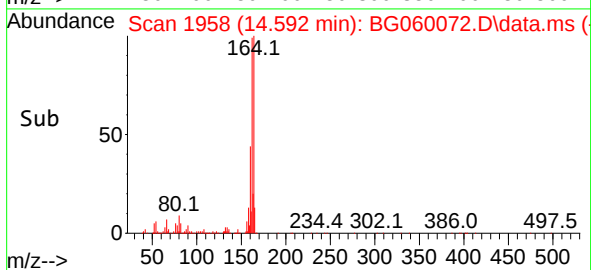
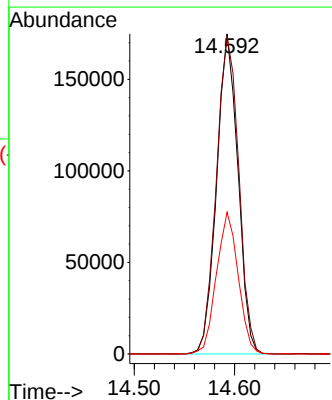
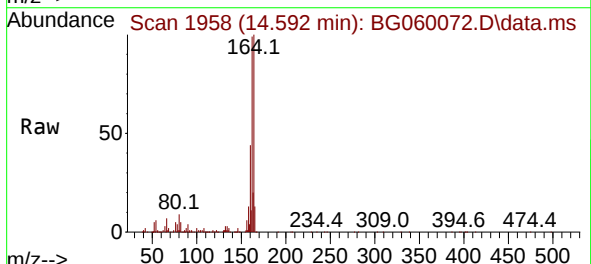
Manual Integrations
APPROVED

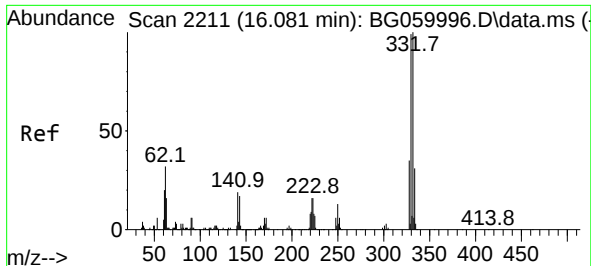
Reviewed By :Yogesh Patel 12/20/2023
Supervised By :mohammad ahmed 12/20/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.592 min Scan# 1958
Delta R.T. -0.005 min
Lab File: BG060072.D
Acq: 18 Dec 2023 18:54

Tgt Ion:164 Resp: 257223
Ion Ratio Lower Upper
164 100
162 99.2 88.1 132.1
160 44.3 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 10.517 ng
RT: 16.079 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG060072.D
Acq: 18 Dec 2023 18:54

Instrument :

BNA_G

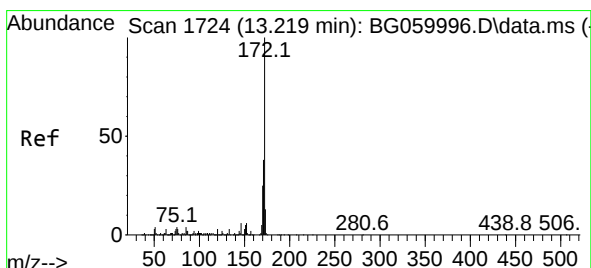
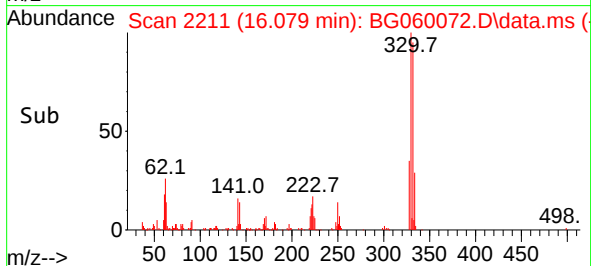
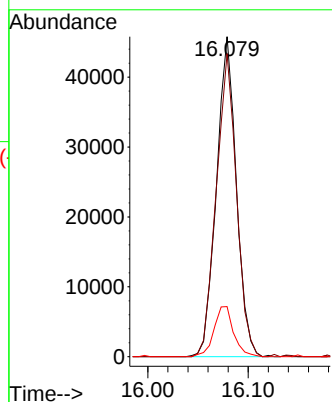
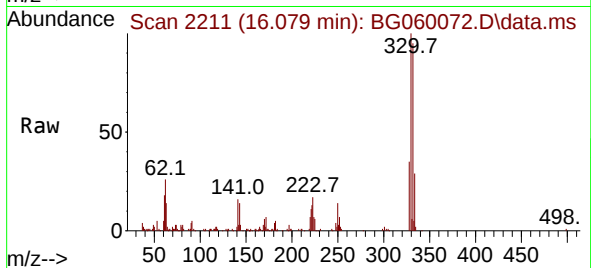
ClientSampleId :

RB21144DL2

Tgt Ion:330 Resp: 63044
Ion Ratio Lower Upper
330 100
332 96.2 76.2 114.4
141 15.5 14.3 21.5

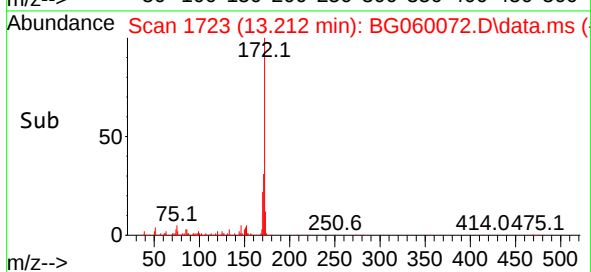
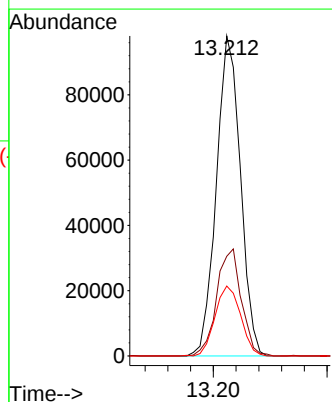
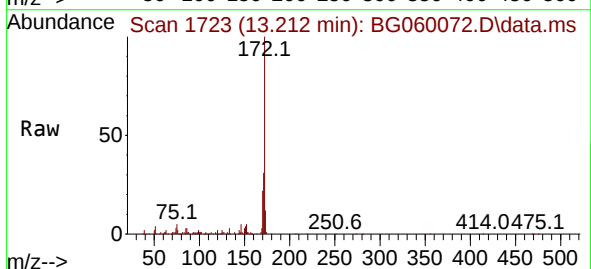
Manual Integrations
APPROVED

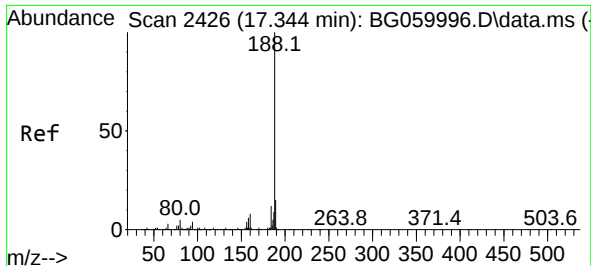
Reviewed By :Yogesh Patel 12/20/2023
Supervised By :mohammad ahmed 12/20/2023



#45
2-Fluorobiphenyl
Concen: 6.856 ng
RT: 13.212 min Scan# 1723
Delta R.T. -0.005 min
Lab File: BG060072.D
Acq: 18 Dec 2023 18:54

Tgt Ion:172 Resp: 144089
Ion Ratio Lower Upper
172 100
171 31.2 30.1 45.1
170 21.9 20.0 30.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.342 min Scan# 2426
Delta R.T. -0.005 min
Lab File: BG060072.D
Acq: 18 Dec 2023 18:54

Instrument :

BNA_G

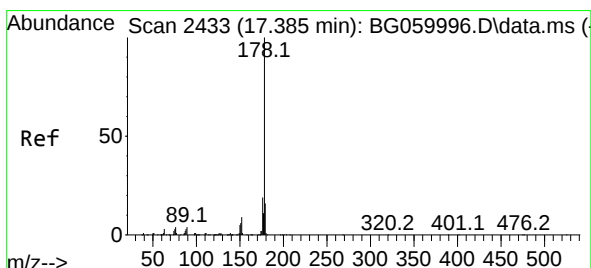
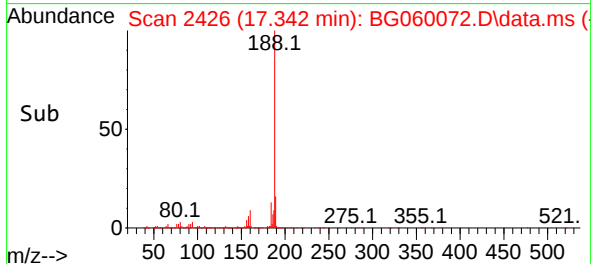
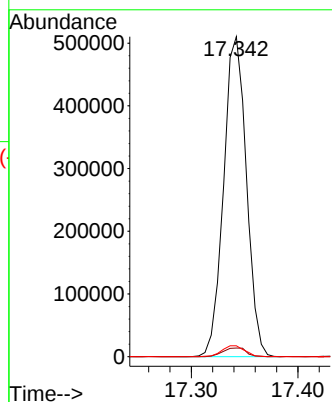
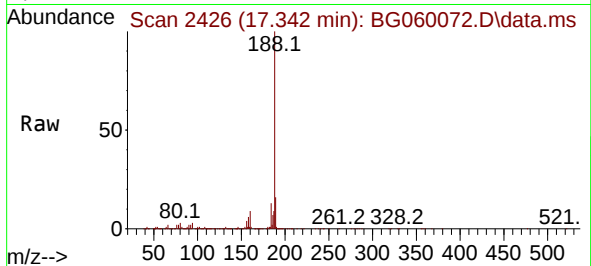
ClientSampleId :

RB21144DL2

Tgt Ion:188 Resp: 757229
Ion Ratio Lower Upper
188 100
94 2.7 3.0 4.6
80 3.4 4.0 6.0

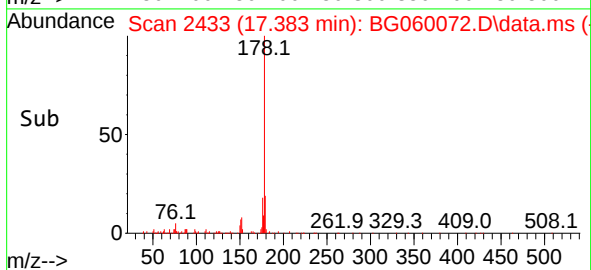
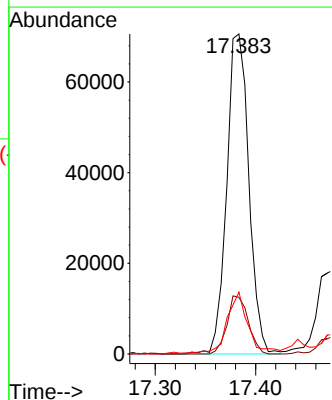
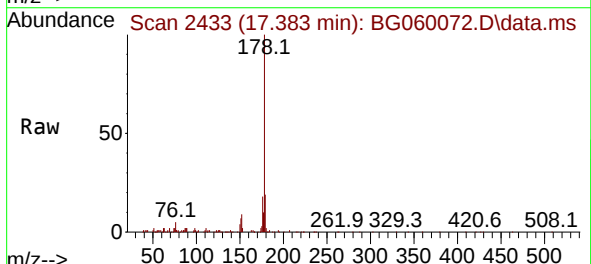
Manual Integrations
APPROVED

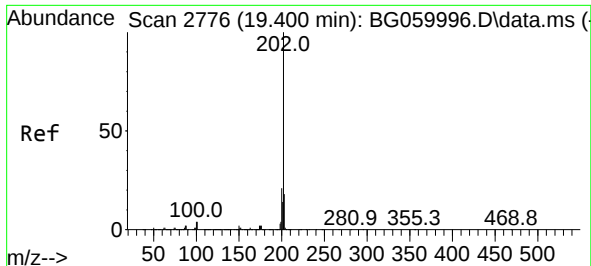
Reviewed By :Yogesh Patel 12/20/2023
Supervised By :mohammad ahmed 12/20/2023



#71
Phenanthrene
Concen: 2.948 ng
RT: 17.383 min Scan# 2433
Delta R.T. -0.005 min
Lab File: BG060072.D
Acq: 18 Dec 2023 18:54

Tgt Ion:178 Resp: 108126
Ion Ratio Lower Upper
178 100
176 17.7 15.6 23.4
179 19.4 12.6 19.0





#75
Fluoranthene
Concen: 47.142 ng
RT: 19.404 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG060072.D
Acq: 18 Dec 2023 18:54

Instrument :

BNA_G

ClientSampleId :

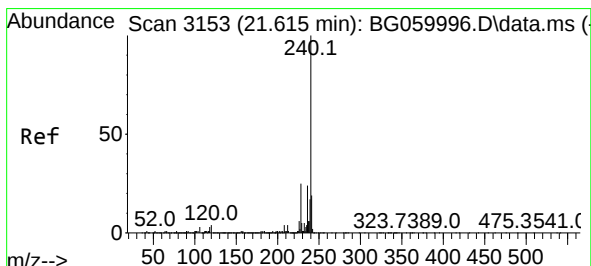
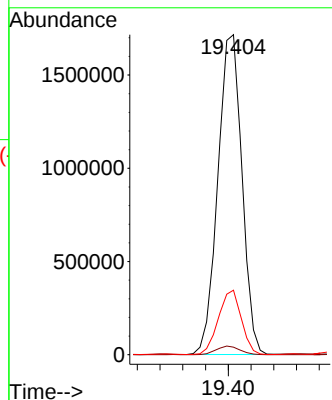
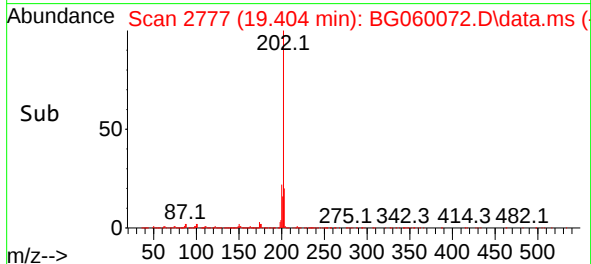
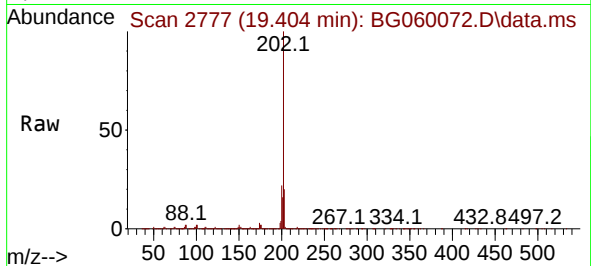
RB21144DL2

Tgt Ion:202 Resp: 2523178
Ion Ratio Lower Upper
202 100
101 2.3 0.0 24.2
203 20.2 0.0 37.6

Manual Integrations

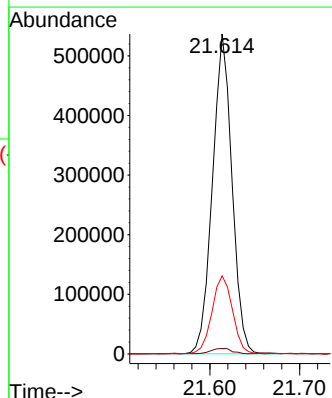
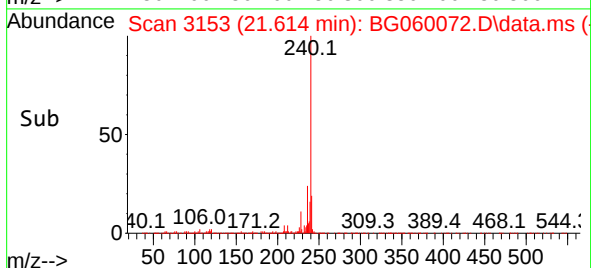
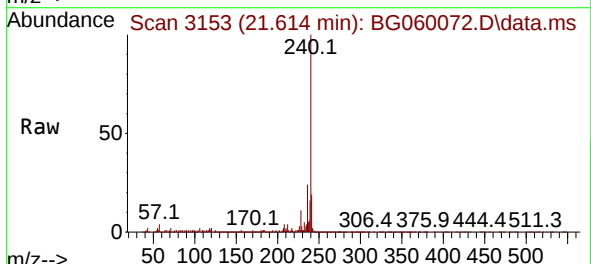
APPROVED

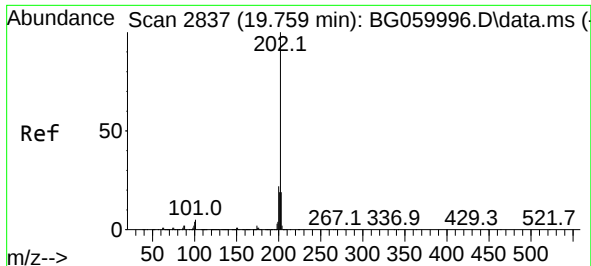
Reviewed By :Yogesh Patel 12/20/2023
Supervised By :mohammad ahmed 12/20/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.614 min Scan# 3153
Delta R.T. -0.005 min
Lab File: BG060072.D
Acq: 18 Dec 2023 18:54

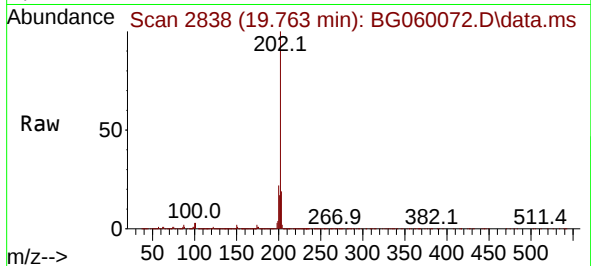
Tgt Ion:240 Resp: 809671
Ion Ratio Lower Upper
240 100
120 1.7 2.9 4.3#
236 24.4 19.4 29.2





#78
 Pyrene
 Concen: 38.965 ng
 RT: 19.763 min Scan# 2837
 Delta R.T. 0.000 min
 Lab File: BG060072.D
 Acq: 18 Dec 2023 18:54

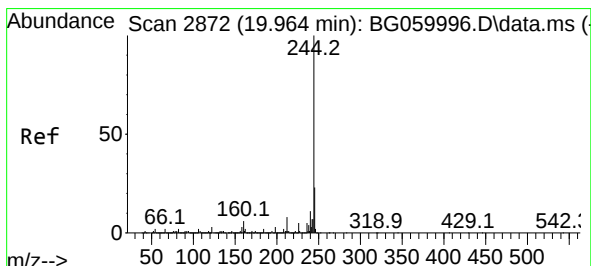
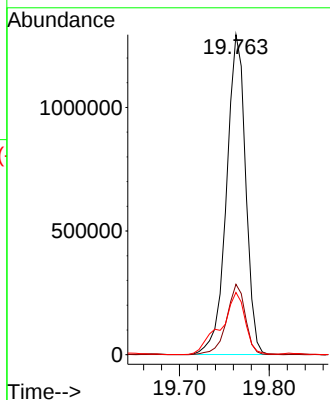
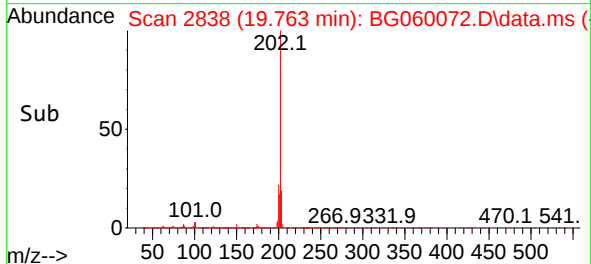
Instrument :
 BNA_G
 ClientSampleId :
 RB21144DL2



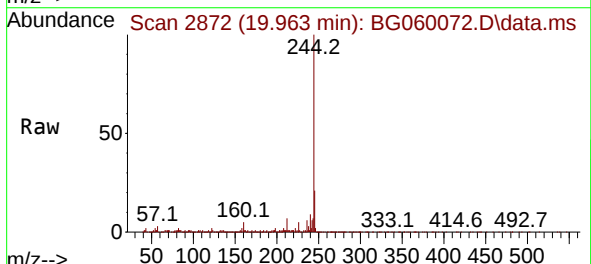
Tgt Ion:202 Resp: 191246
 Ion Ratio Lower Upper
 202 100
 200 22.0 17.6 26.4
 203 19.4 14.9 22.3

Manual Integrations
 APPROVED

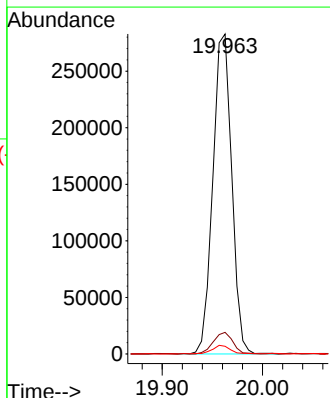
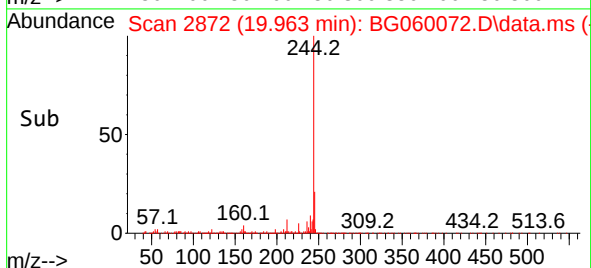
Reviewed By :Yogesh Patel 12/20/2023
 Supervised By :mohammad ahmed 12/20/2023

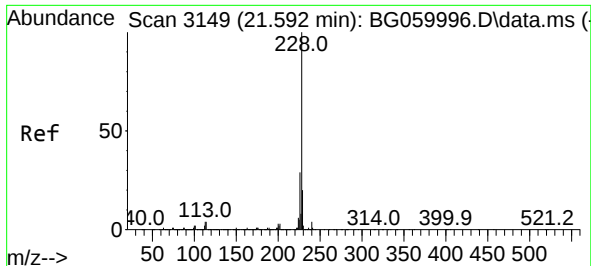


#79
 Terphenyl-d14
 Concen: 8.311 ng
 RT: 19.963 min Scan# 2872
 Delta R.T. -0.005 min
 Lab File: BG060072.D
 Acq: 18 Dec 2023 18:54



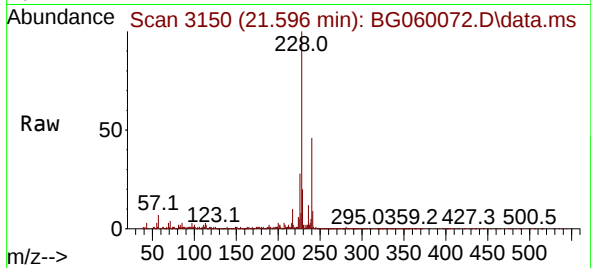
Tgt Ion:244 Resp: 368579
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.8 10.2#
 122 2.4 2.6 3.8#





#81
Benzo(a)anthracene
Concen: 8.050 ng
RT: 21.596 min Scan# 3149
Delta R.T. -0.005 min
Lab File: BG060072.D
Acq: 18 Dec 2023 18:54

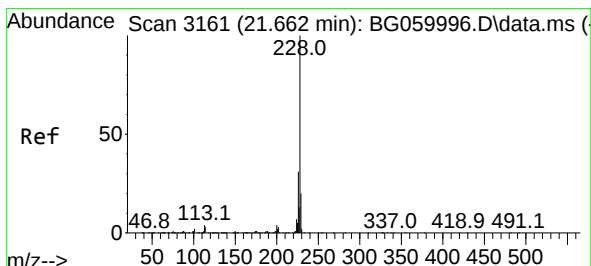
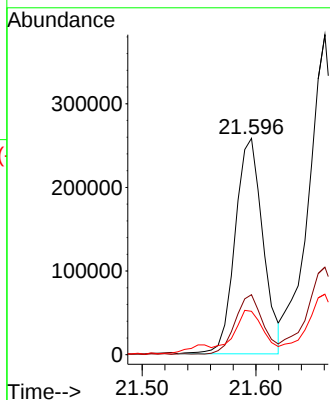
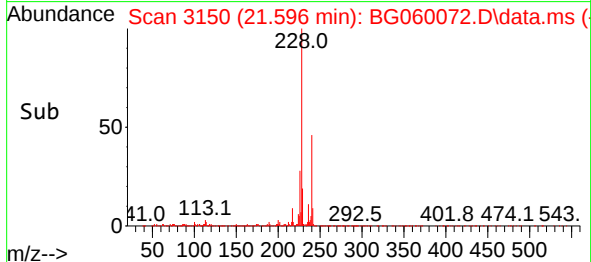
Instrument :
BNA_G
ClientSampleId :
RB21144DL2



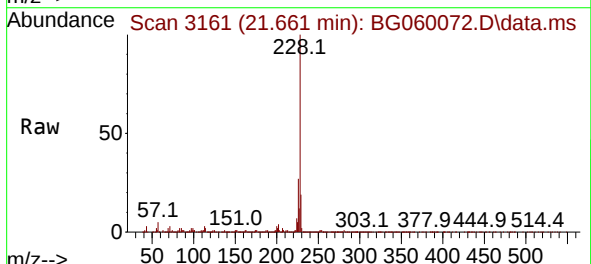
Tgt Ion:228 Resp: 43783
Ion Ratio Lower Upper
228 100
226 27.7 22.9 34.3
229 20.1 16.2 24.2

Manual Integrations
APPROVED

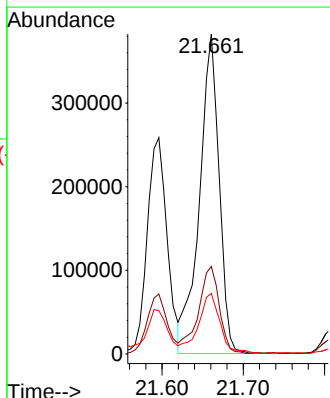
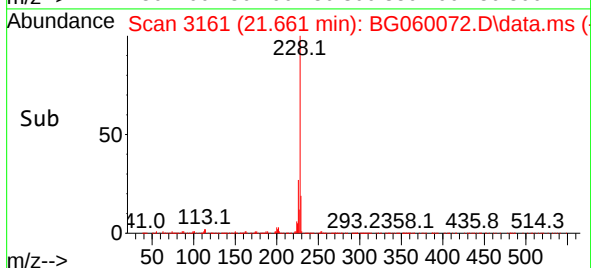
Reviewed By :Yogesh Patel 12/20/2023
Supervised By :mohammad ahmed 12/20/2023

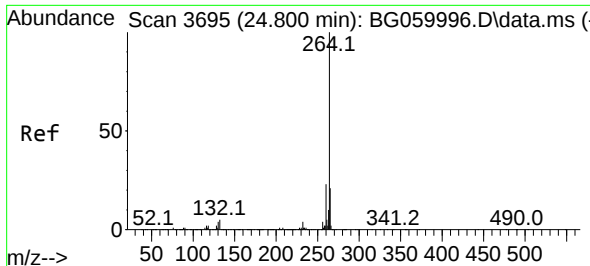


#83
Chrysene
Concen: 12.494 ng
RT: 21.661 min Scan# 3161
Delta R.T. -0.005 min
Lab File: BG060072.D
Acq: 18 Dec 2023 18:54



Tgt Ion:228 Resp: 643769
Ion Ratio Lower Upper
228 100
226 27.4 25.0 37.6
229 18.9 16.2 24.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.810 min Scan# 30
Delta R.T. -0.005 min
Lab File: BG060072.D
Acq: 18 Dec 2023 18:54

Instrument :

BNA_G

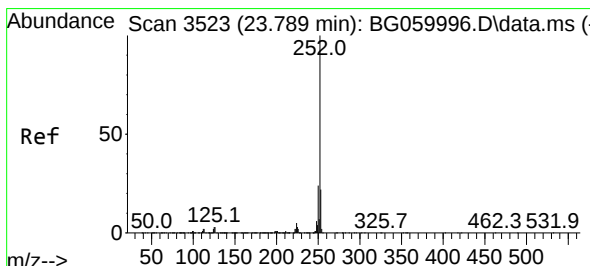
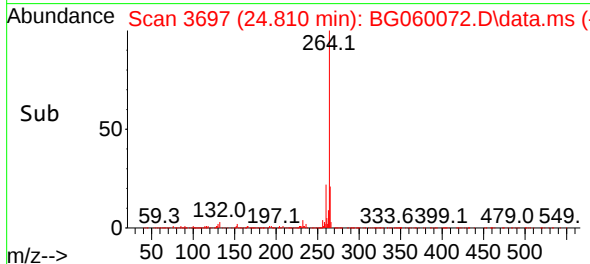
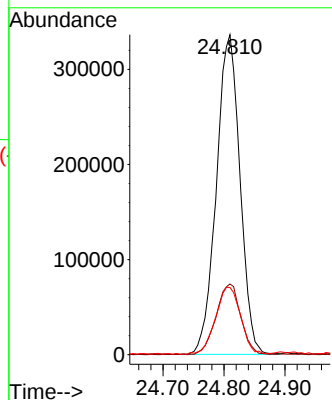
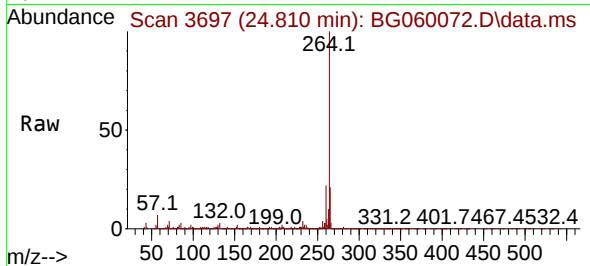
ClientSampleId :

RB21144DL2

Tgt Ion:264 Resp: 90457
Ion Ratio Lower Upper
264 100
260 22.1 18.5 27.7
265 21.0 17.3 25.9

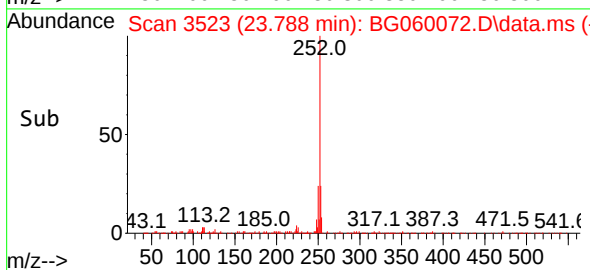
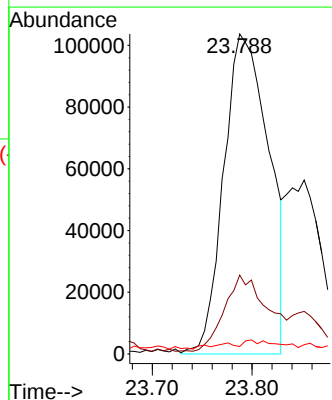
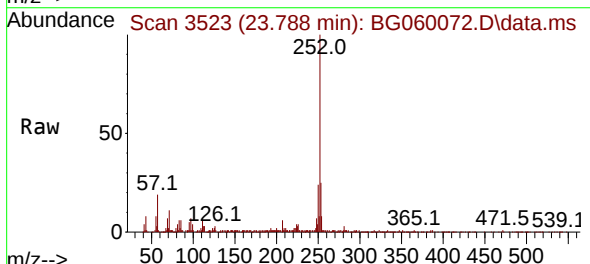
Manual Integrations
APPROVED

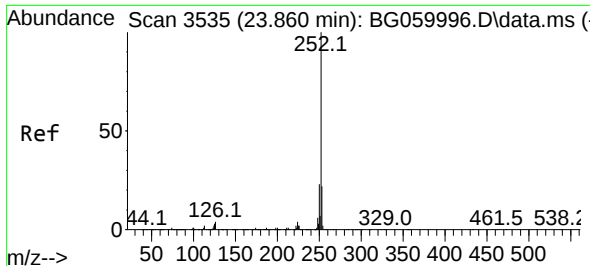
Reviewed By :Yogesh Patel 12/20/2023
Supervised By :mohammad ahmed 12/20/2023



#88
Benzo(b)fluoranthene
Concen: 5.823 ng m
RT: 23.788 min Scan# 3523
Delta R.T. -0.011 min
Lab File: BG060072.D
Acq: 18 Dec 2023 18:54

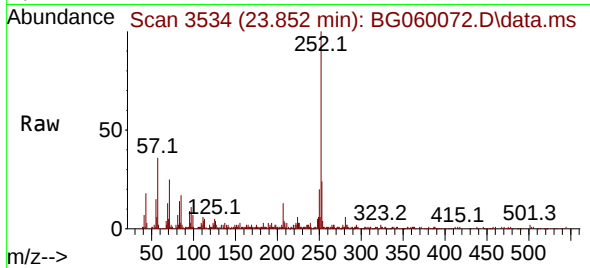
Tgt Ion:252 Resp: 325292
Ion Ratio Lower Upper
252 100
253 24.7 17.4 26.2
125 2.3 2.6 4.0#





#89
Benzo(k)fluoranthene
Concen: 2.516 ng m
RT: 23.852 min Scan# 31
Delta R.T. -0.017 min
Lab File: BG060072.D
Acq: 18 Dec 2023 18:54

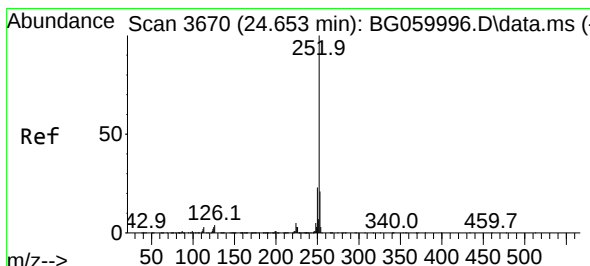
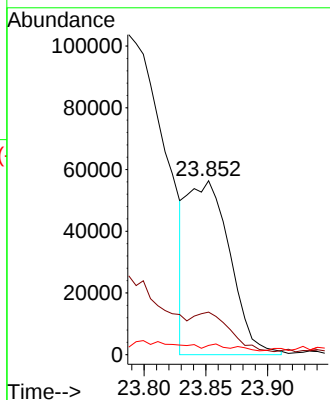
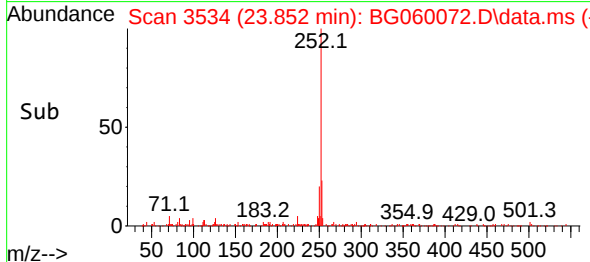
Instrument :
BNA_G
ClientSampleId :
RB21144DL2



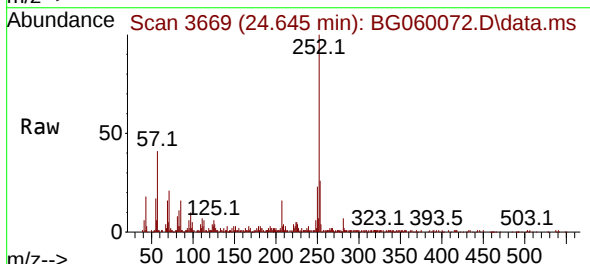
Tgt Ion:252 Resp: 136320
Ion Ratio Lower Upper
252 100
253 24.5 17.8 26.6
125 5.4 2.5 3.7

Manual Integrations
APPROVED

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



#90
Benzo(a)pyrene
Concen: 2.820 ng
RT: 24.645 min Scan# 3669
Delta R.T. -0.017 min
Lab File: BG060072.D
Acq: 18 Dec 2023 18:54



Tgt Ion:252 Resp: 139565
Ion Ratio Lower Upper
252 100
253 26.0 17.1 25.7#
125 6.0 2.6 4.0#

