

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121823\
 Data File : BG060070.D
 Acq On : 18 Dec 2023 17:33
 Operator : MA/JU
 Sample : 05796-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RT-SB-06-12-13

Manual Integrations
 APPROVED

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

Quant Time: Dec 19 04:39:27 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	7.952	152	72010	20.000	ng	0.00
21) Naphthalene-d8	10.761	136	277998	20.000	ng	# 0.00
39) Acenaphthene-d10	14.598	164	234063	20.000	ng	0.00
64) Phenanthrene-d10	17.341	188	641091	20.000	ng	# 0.00
76) Chrysene-d12	21.619	240	675652	20.000	ng	# 0.00
86) Perylene-d12	24.815	264	748988	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	7161	1.702	ng	0.00
7) Phenol-d6	7.112	99	291124	49.200	ng	0.00
23) Nitrobenzene-d5	9.116	82	317101	51.795	ng	0.00
42) 2,4,6-Tribromophenol	16.078	330	150	0.027	ng	0.00
45) 2-Fluorobiphenyl	13.217	172	1130480	59.112	ng	0.00
79) Terphenyl-d14	19.968	244	2449369	66.186	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.383	178	289481	9.322	ng	97
72) Anthracene	17.477	178	71404m	2.287	ng	
75) Fluoranthene	19.404	202	421268	9.297	ng	97
78) Pyrene	19.762	202	353703	8.636	ng	98
81) Benzo(a)anthracene	21.595	228	205857	4.536	ng	# 95
83) Chrysene	21.660	228	207023	4.815	ng	# 91
87) Indeno(1,2,3-cd)pyrene	28.452	276	124847	2.336	ng	# 76
88) Benzo(b)fluoranthene	23.799	252	240088	5.190	ng	# 94
90) Benzo(a)pyrene	24.662	252	159998	3.904	ng	# 89
92) Benzo(g,h,i)perylene	29.574	276	106333	2.392	ng	# 95

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

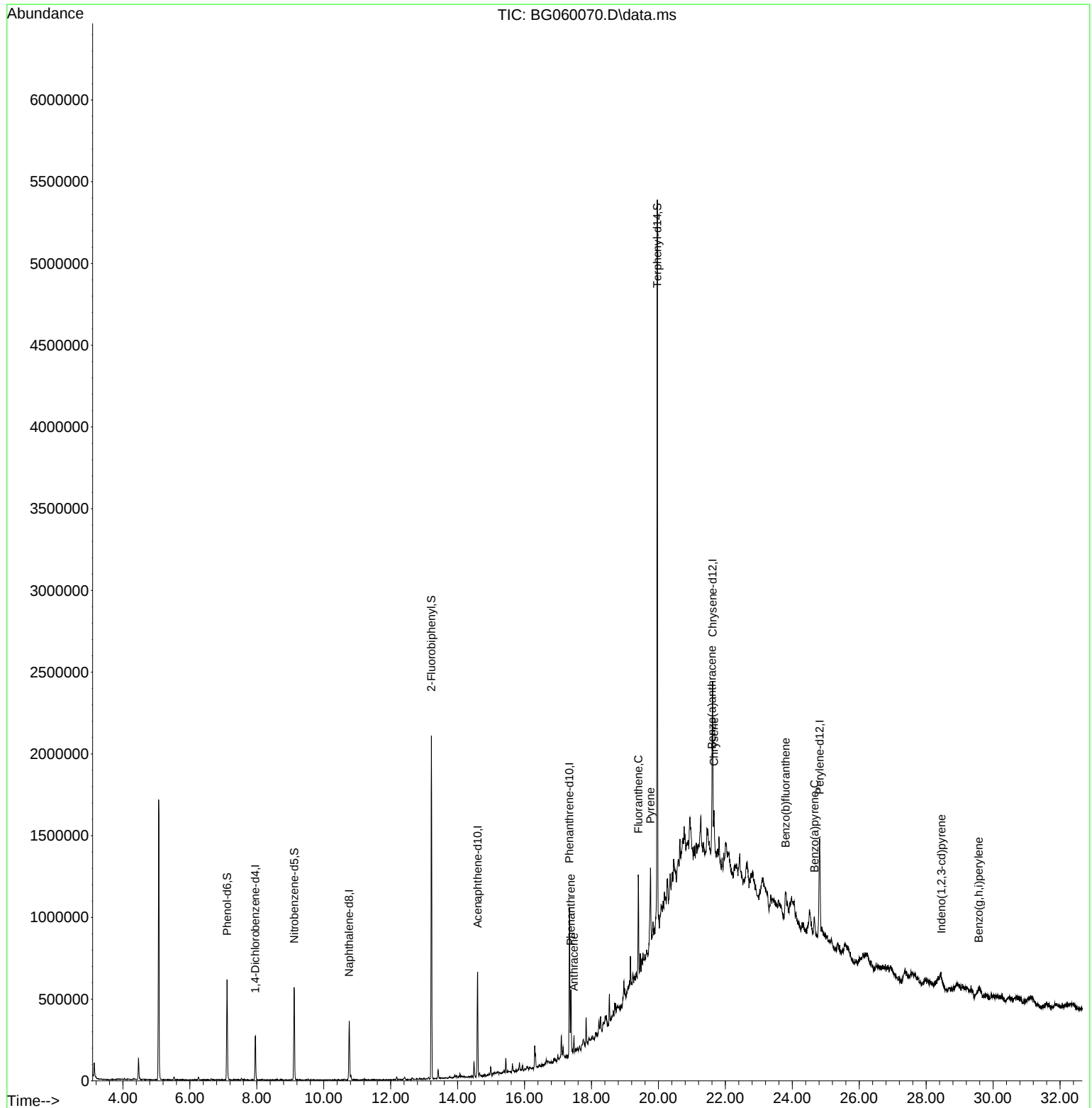
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121823\
Data File : BG060070.D
Acq On : 18 Dec 2023 17:33
Operator : MA/JU
Sample : 05796-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

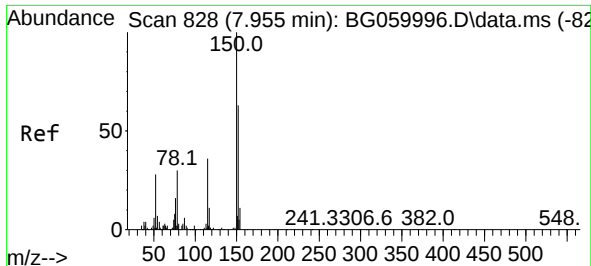
Instrument :
BNA_G
ClientSampleId :
RT-SB-06-12-13

Quant Time: Dec 19 04:39:27 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

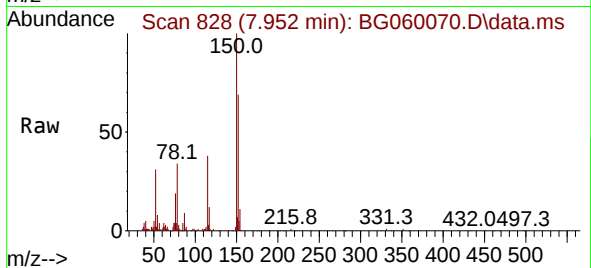
Reviewed By :Yogesh Patel 12/20/2023
Supervised By :mohammad ahmed 12/20/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.952 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG060070.D
Acq: 18 Dec 2023 17:33

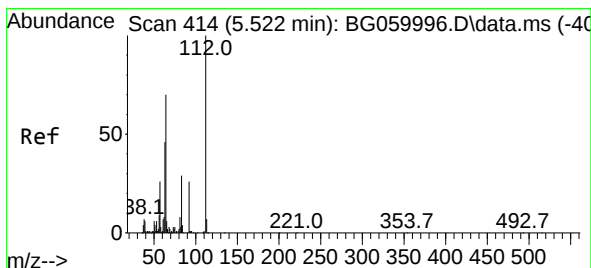
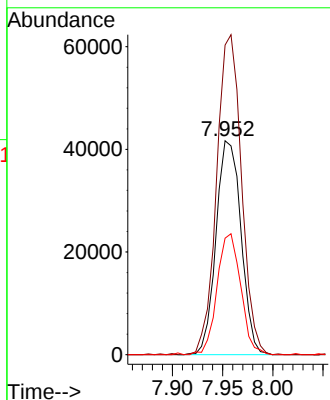
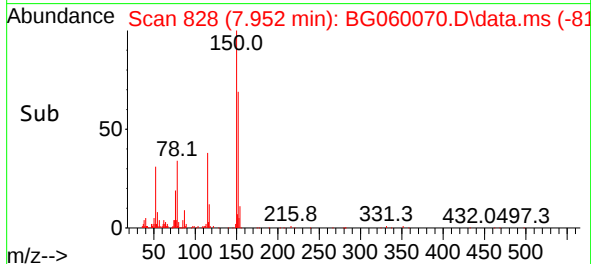
Instrument :
BNA_G
ClientSampleId :
RT-SB-06-12-13



Tgt Ion:152 Resp: 72010
Ion Ratio Lower Upper
152 100
150 144.8 127.0 190.6
115 54.5 45.7 68.5

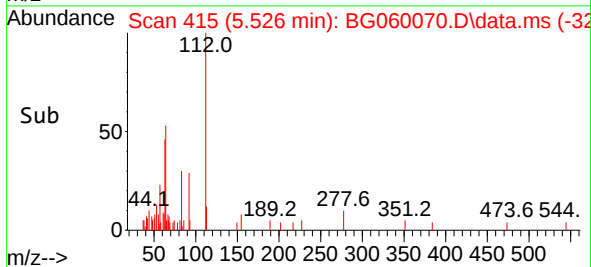
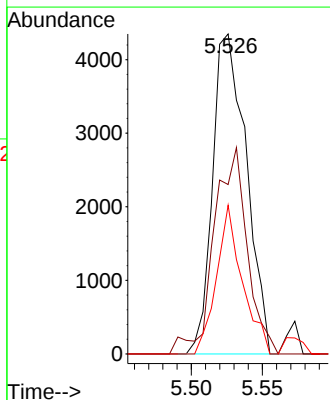
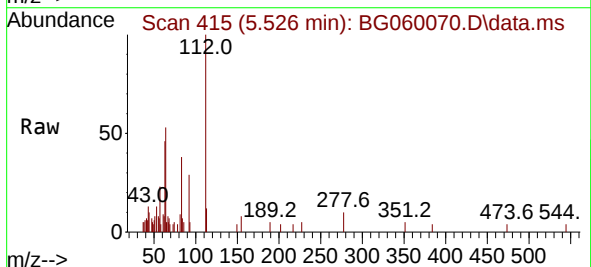
Manual Integrations
APPROVED

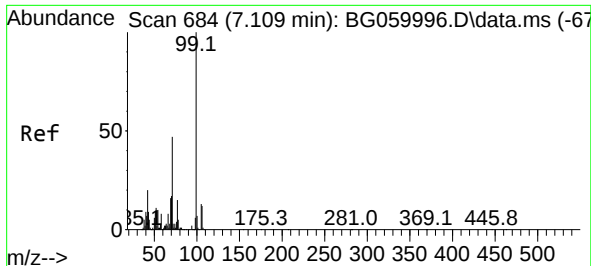
Reviewed By :Yogesh Patel 12/20/2023
Supervised By :mohammad ahmed 12/20/2023



#5
2-Fluorophenol
Concen: 1.702 ng
RT: 5.526 min Scan# 415
Delta R.T. -0.000 min
Lab File: BG060070.D
Acq: 18 Dec 2023 17:33

Tgt Ion:112 Resp: 7161
Ion Ratio Lower Upper
112 100
64 53.0 55.9 83.9#
63 46.4 36.5 54.7





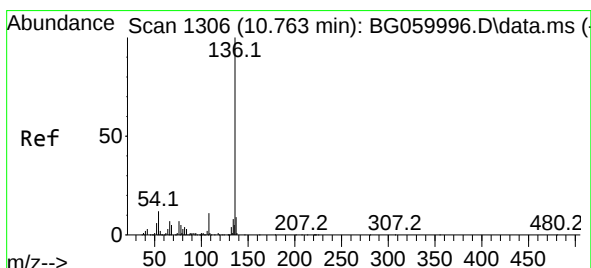
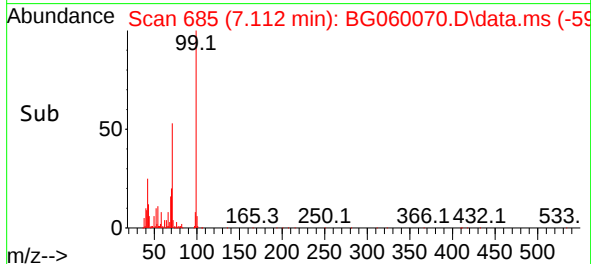
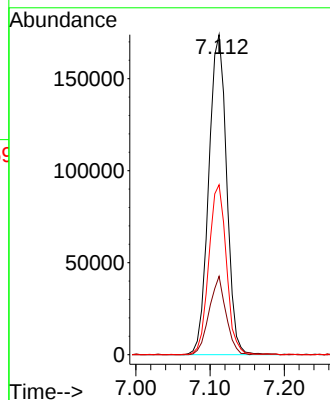
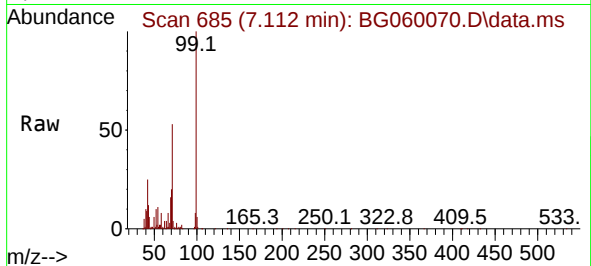
#7
Phenol-d6
Concen: 49.200 ng
RT: 7.112 min Scan# 685
Delta R.T. -0.000 min
Lab File: BG060070.D
Acq: 18 Dec 2023 17:33

Instrument :
BNA_G
ClientSampleId :
RT-SB-06-12-13

Tgt Ion: 99 Resp: 291124
Ion Ratio Lower Upper
99 100
42 24.5 16.2 24.4#
71 53.1 37.6 56.4

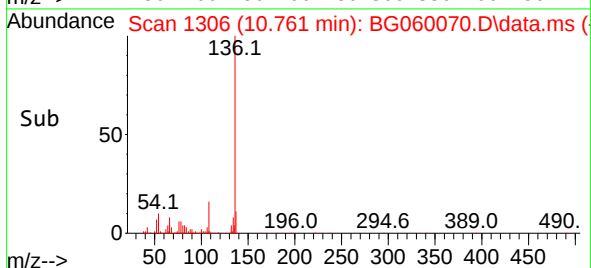
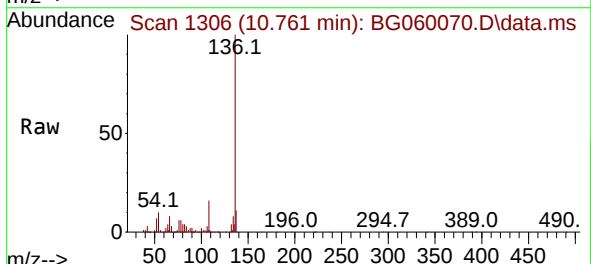
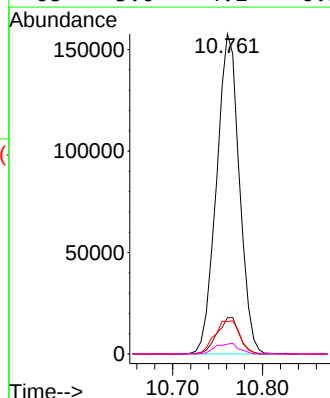
Manual Integrations
APPROVED

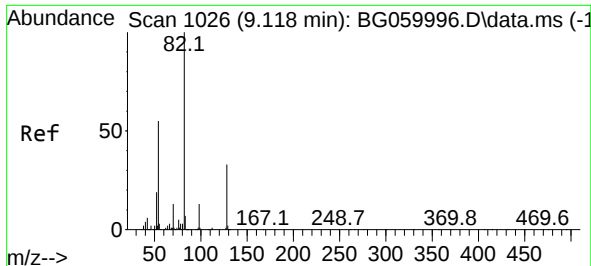
Reviewed By :Yogesh Patel 12/20/2023
Supervised By :mohammad ahmed 12/20/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.761 min Scan# 1306
Delta R.T. -0.000 min
Lab File: BG060070.D
Acq: 18 Dec 2023 17:33

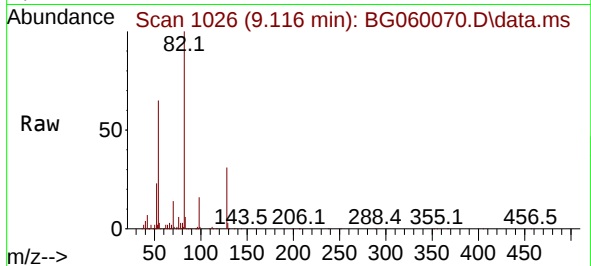
Tgt Ion:136 Resp: 277998
Ion Ratio Lower Upper
136 100
137 11.3 7.3 10.9#
54 10.2 9.6 14.4
68 3.0 4.1 6.1#





#23
Nitrobenzene-d5
Concen: 51.795 ng
RT: 9.116 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BG060070.D
Acq: 18 Dec 2023 17:33

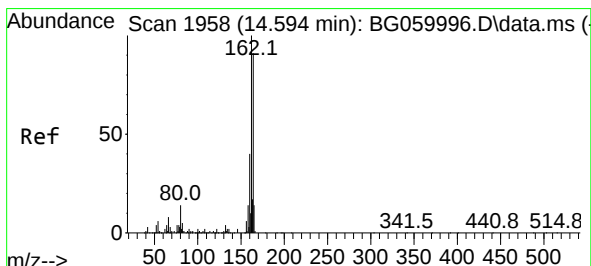
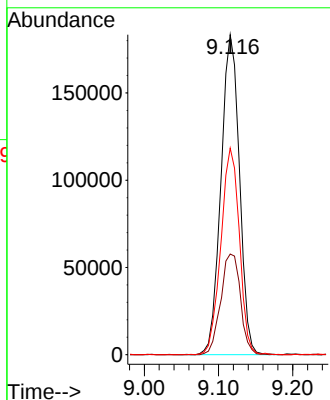
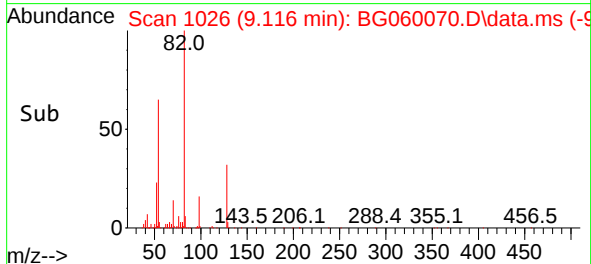
Instrument :
BNA_G
ClientSampleId :
RT-SB-06-12-13



Tgt Ion: 82 Resp: 31710
Ion Ratio Lower Upper
82 100
128 31.5 26.3 39.5
54 64.5 44.3 66.5

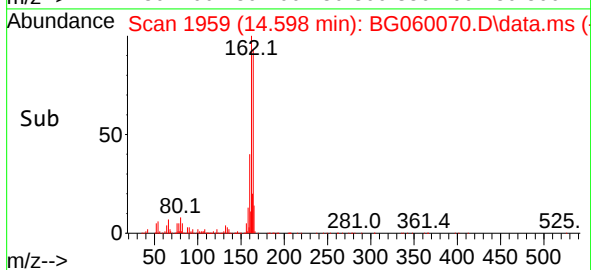
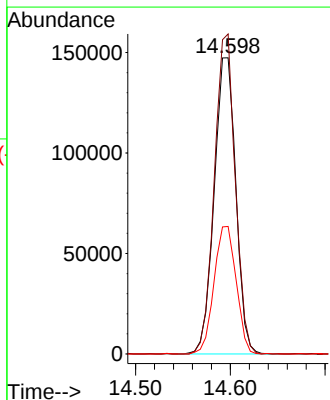
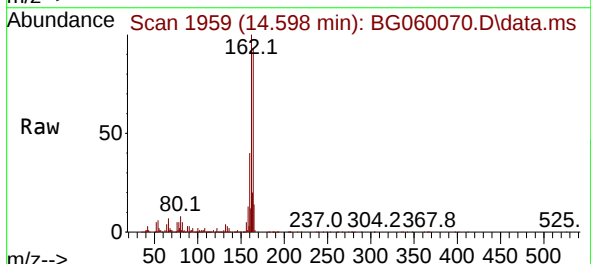
Manual Integrations
APPROVED

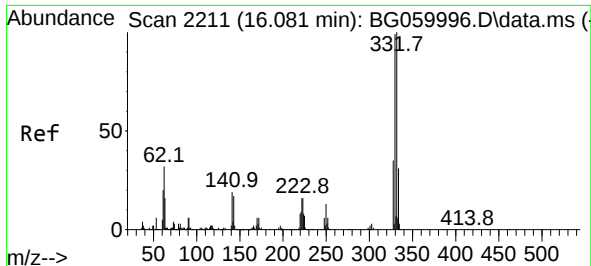
Reviewed By :Yogesh Patel 12/20/2023
Supervised By :mohammad ahmed 12/20/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.598 min Scan# 1959
Delta R.T. -0.000 min
Lab File: BG060070.D
Acq: 18 Dec 2023 17:33

Tgt Ion:164 Resp: 234063
Ion Ratio Lower Upper
164 100
162 108.0 88.1 132.1
160 43.1 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 0.027 ng
RT: 16.078 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG060070.D
Acq: 18 Dec 2023 17:33

Instrument :

BNA_G

ClientSampleId :

RT-SB-06-12-13

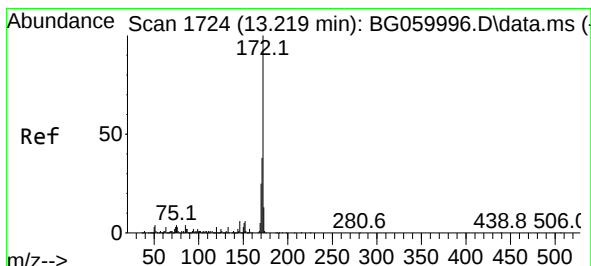
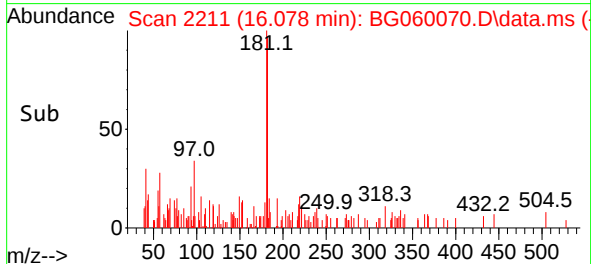
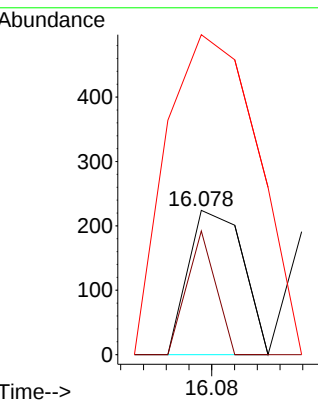
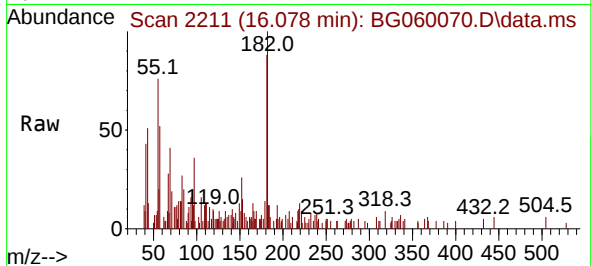
Tgt Ion:330 Resp: 150
Ion Ratio Lower Upper
330 100
332 45.3 76.2 114.4
141 371.3 14.3 21.5

Manual Integrations

APPROVED

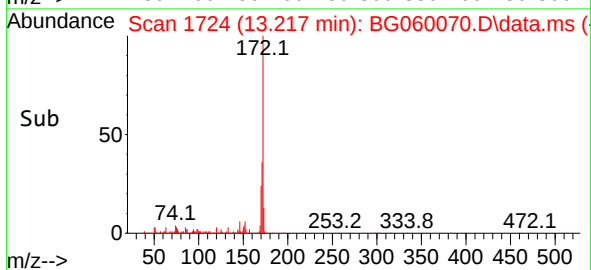
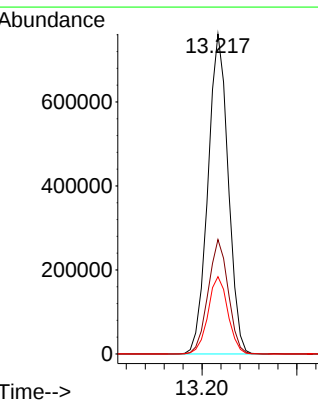
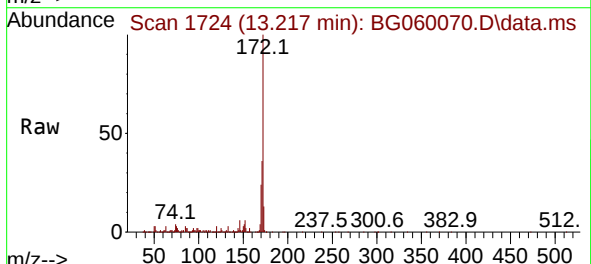
Reviewed By :Yogesh Patel 12/20/2023

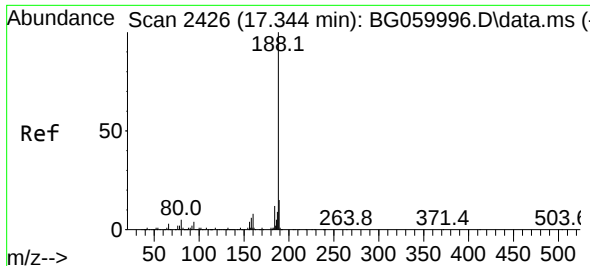
Supervised By :mohammad ahmed 12/20/2023



#45
2-Fluorobiphenyl
Concen: 59.112 ng
RT: 13.217 min Scan# 1724
Delta R.T. -0.000 min
Lab File: BG060070.D
Acq: 18 Dec 2023 17:33

Tgt Ion:172 Resp: 1130480
Ion Ratio Lower Upper
172 100
171 35.7 30.1 45.1
170 24.2 20.0 30.0





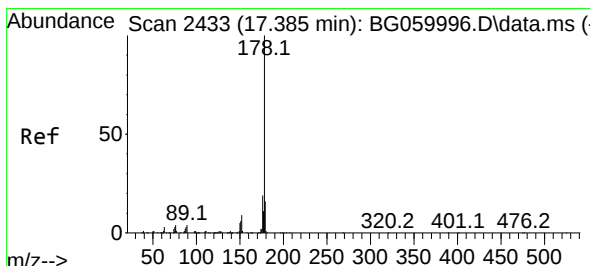
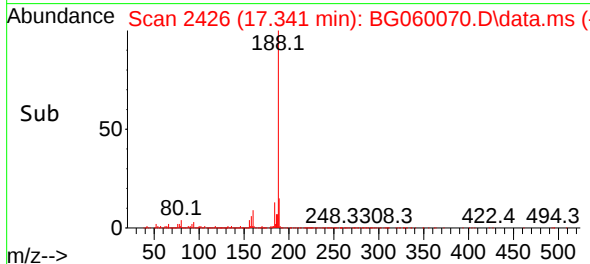
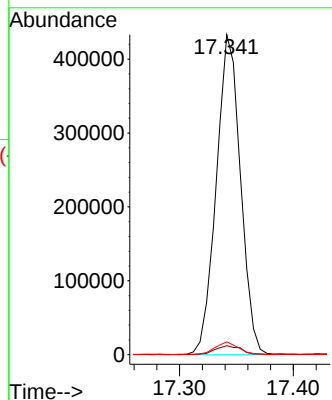
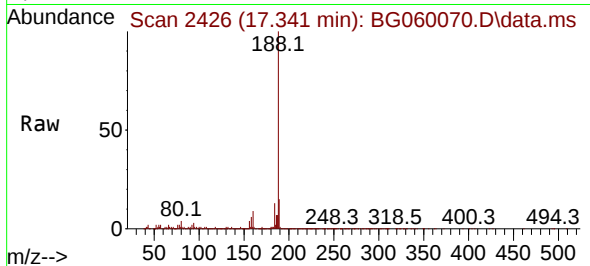
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.341 min Scan# 2426
Delta R.T. -0.006 min
Lab File: BG060070.D
Acq: 18 Dec 2023 17:33

Instrument :
BNA_G
ClientSampleId :
RT-SB-06-12-13

Tgt Ion:188 Resp: 64109
Ion Ratio Lower Upper
188 100
94 2.8 3.0 4.6
80 4.0 4.0 6.0

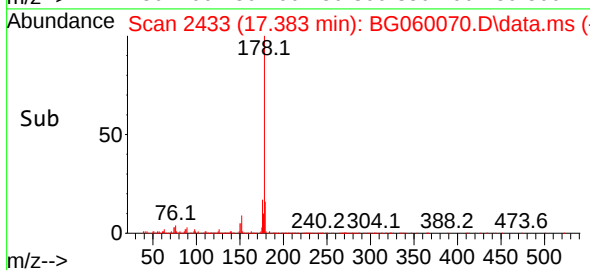
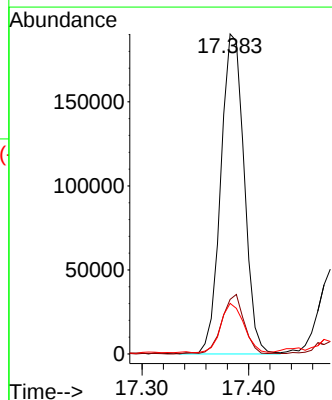
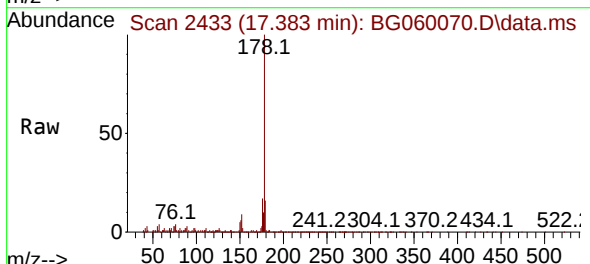
Manual Integrations
APPROVED

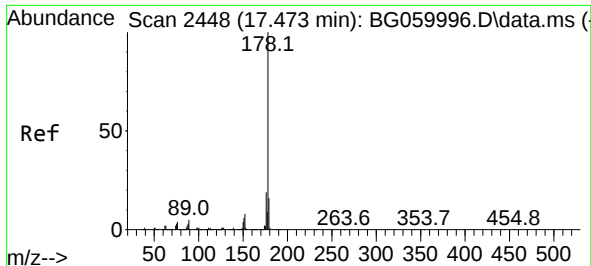
Reviewed By :Yogesh Patel 12/20/2023
Supervised By :mohammad ahmed 12/20/2023



#71
Phenanthrene
Concen: 9.322 ng
RT: 17.383 min Scan# 2433
Delta R.T. -0.006 min
Lab File: BG060070.D
Acq: 18 Dec 2023 17:33

Tgt Ion:178 Resp: 289481
Ion Ratio Lower Upper
178 100
176 17.0 15.6 23.4
179 15.8 12.6 19.0





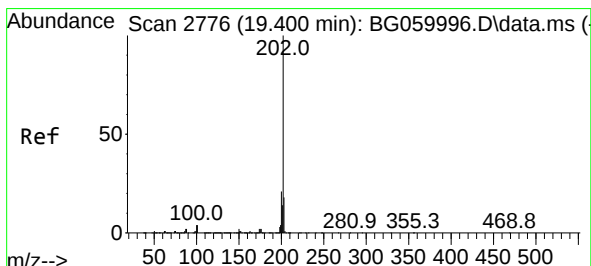
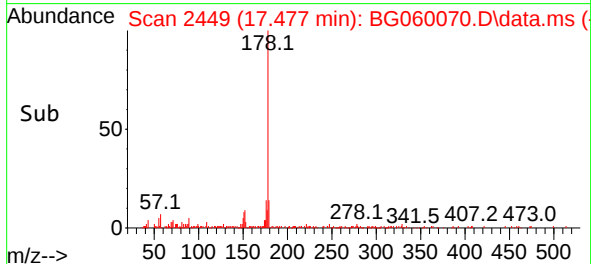
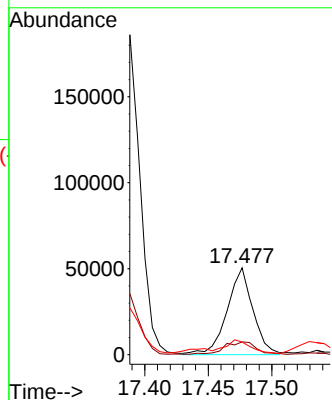
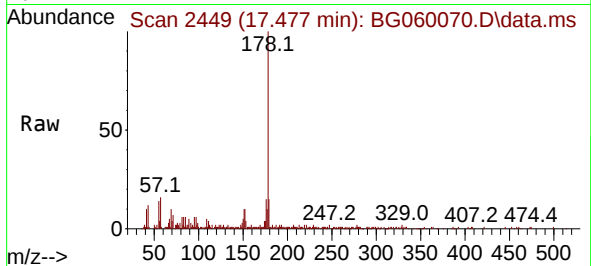
#72
 Anthracene
 Concen: 2.287 ng m
 RT: 17.477 min Scan# 2448
 Delta R.T. -0.000 min
 Lab File: BG060070.D
 Acq: 18 Dec 2023 17:33

Instrument :
 BNA_G
 ClientSampleId :
 RT-SB-06-12-13

Tgt Ion:178 Resp: 71404
 Ion Ratio Lower Upper
 178 100
 176 14.8 15.0 22.6
 179 14.6 12.6 19.0

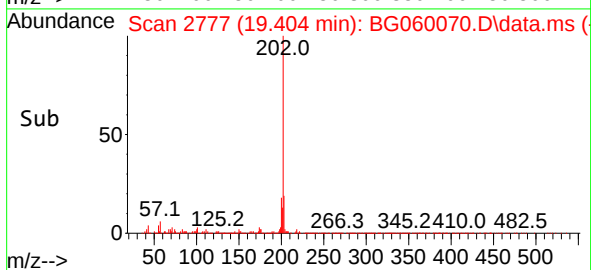
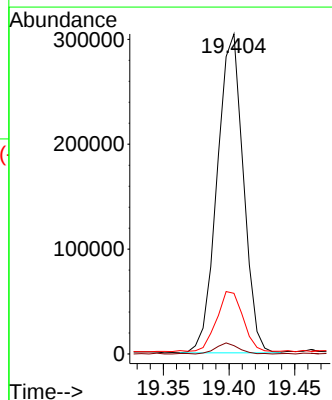
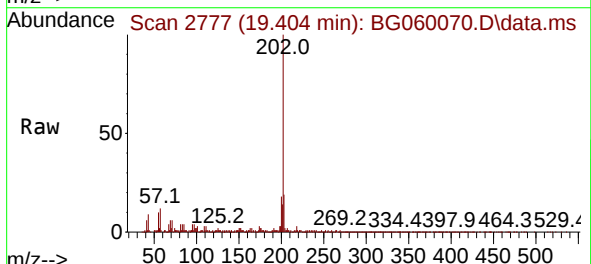
Manual Integrations
 APPROVED

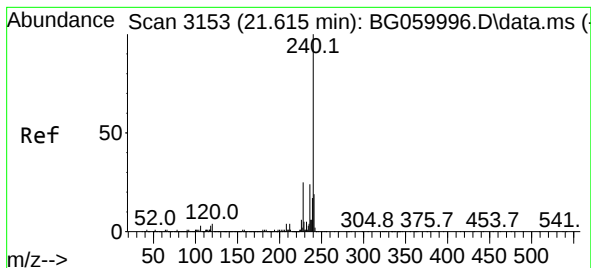
Reviewed By :Yogesh Patel 12/20/2023
 Supervised By :mohammad ahmed 12/20/2023



#75
 Fluoranthene
 Concen: 9.297 ng
 RT: 19.404 min Scan# 2777
 Delta R.T. -0.000 min
 Lab File: BG060070.D
 Acq: 18 Dec 2023 17:33

Tgt Ion:202 Resp: 421268
 Ion Ratio Lower Upper
 202 100
 101 2.6 0.0 24.2
 203 18.9 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.619 min Scan# 3153

Delta R.T. -0.000 min

Lab File: BG060070.D

Acq: 18 Dec 2023 17:33

Instrument :

BNA_G

ClientSampleId :

RT-SB-06-12-13

Tgt Ion:240 Resp: 675652

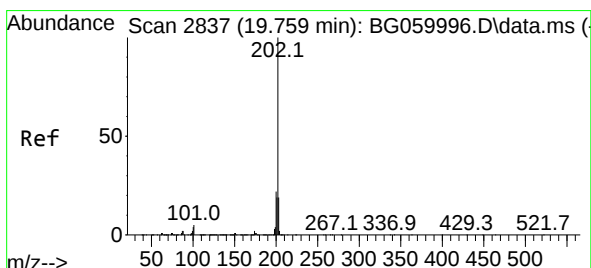
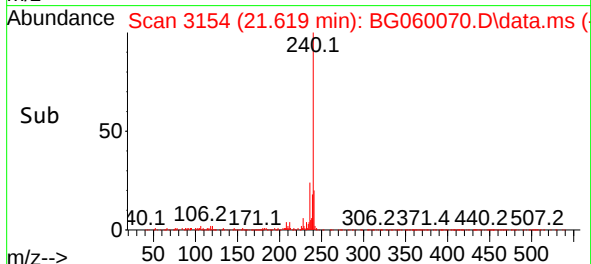
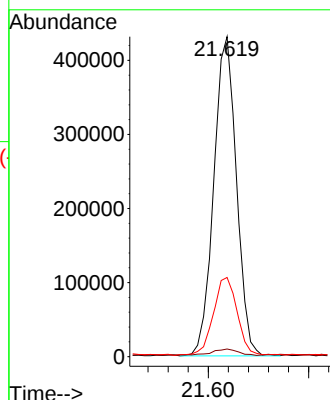
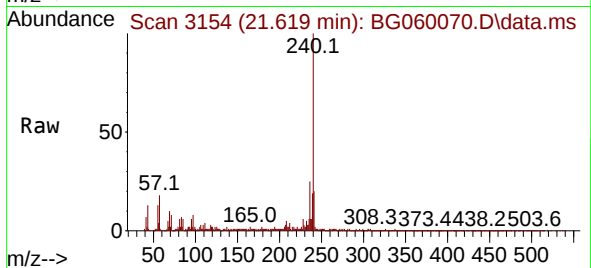
Ion	Ratio	Lower	Upper
240	100		
120	2.4	2.9	4.3
236	24.7	19.4	29.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/20/2023

Supervised By :mohammad ahmed 12/20/2023



#78

Pyrene

Concen: 8.636 ng

RT: 19.762 min Scan# 2838

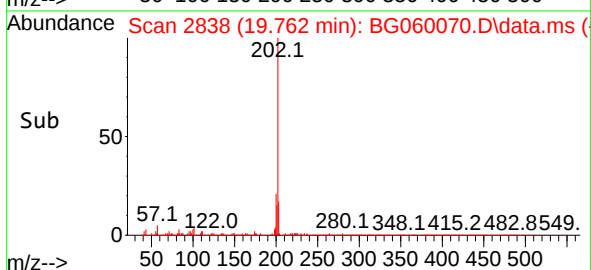
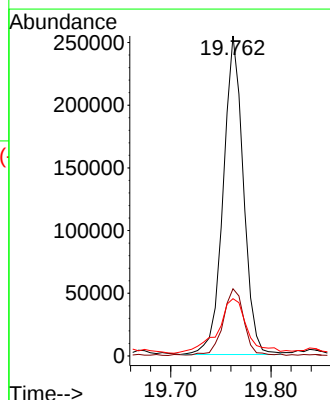
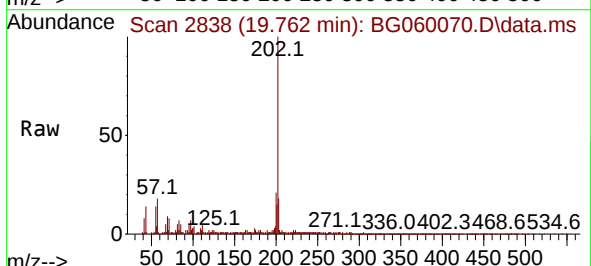
Delta R.T. -0.000 min

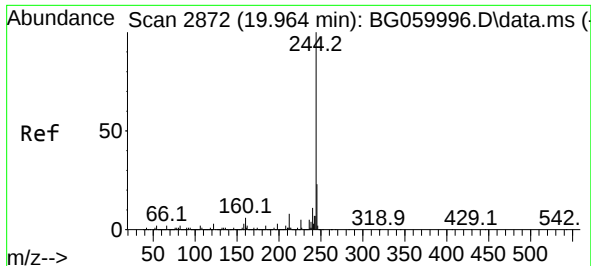
Lab File: BG060070.D

Acq: 18 Dec 2023 17:33

Tgt Ion:202 Resp: 353703

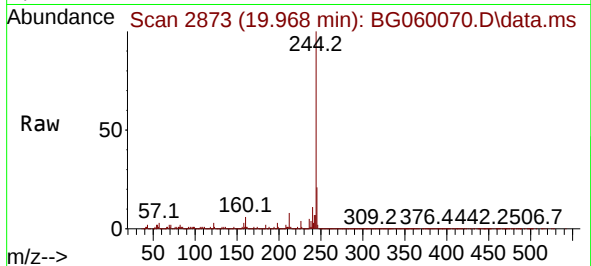
Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.6	26.4
203	17.9	14.9	22.3





#79
Terphenyl-d14
Concen: 66.186 ng
RT: 19.968 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG060070.D
Acq: 18 Dec 2023 17:33

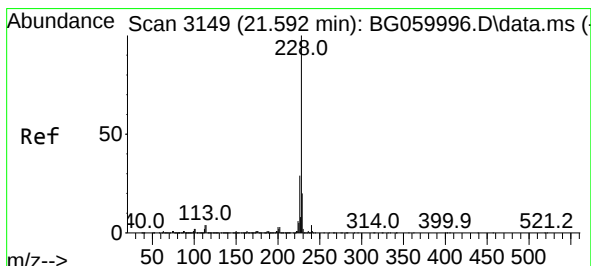
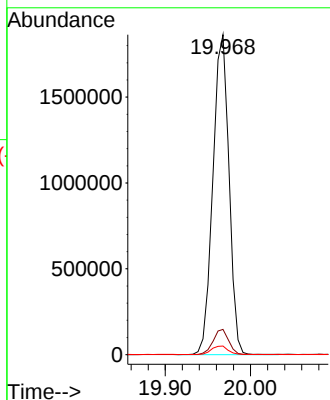
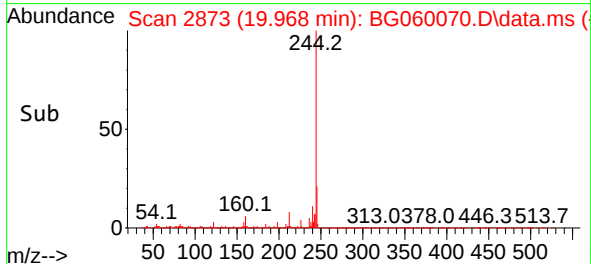
Instrument :
BNA_G
ClientSampleId :
RT-SB-06-12-13



Tgt Ion:244 Resp: 2449369
Ion Ratio Lower Upper
244 100
212 7.9 6.8 10.2
122 2.7 2.6 3.8

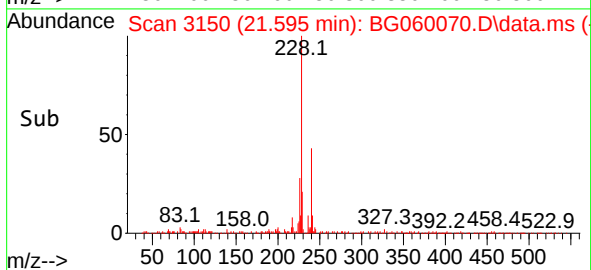
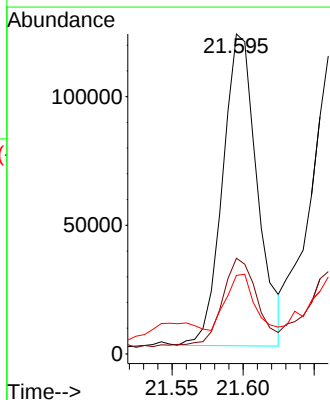
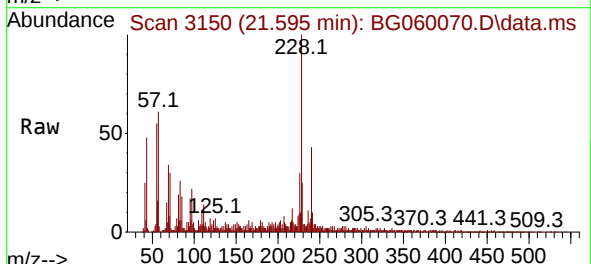
Manual Integrations
APPROVED

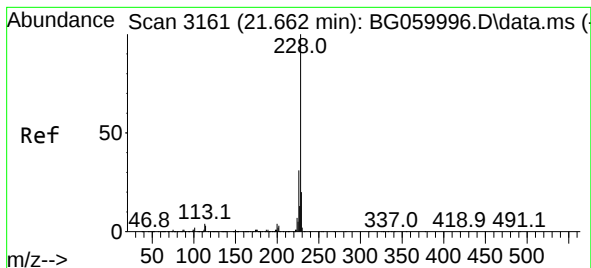
Reviewed By :Yogesh Patel 12/20/2023
Supervised By :mohammad ahmed 12/20/2023



#81
Benzo(a)anthracene
Concen: 4.536 ng
RT: 21.595 min Scan# 3150
Delta R.T. -0.006 min
Lab File: BG060070.D
Acq: 18 Dec 2023 17:33

Tgt Ion:228 Resp: 205857
Ion Ratio Lower Upper
228 100
226 29.9 22.9 34.3
229 24.5 16.2 24.2#





#83

Chrysene

Concen: 4.815 ng

RT: 21.660 min Scan# 3161

Delta R.T. -0.006 min

Lab File: BG060070.D

Acq: 18 Dec 2023 17:33

Instrument :

BNA_G

ClientSampleId :

RT-SB-06-12-13

Tgt Ion:228 Resp: 207023

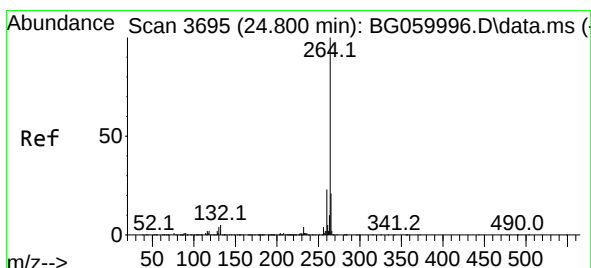
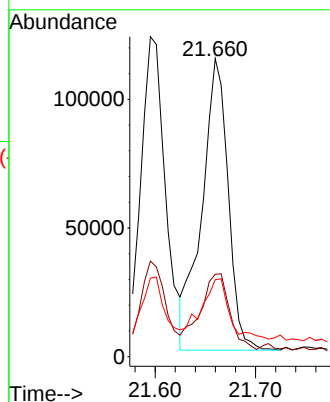
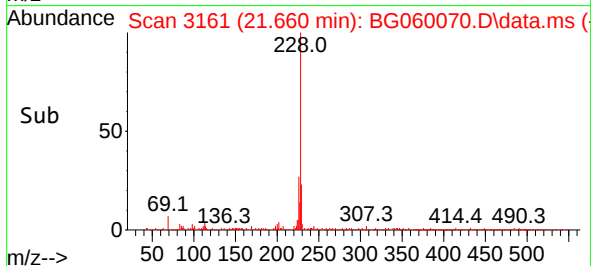
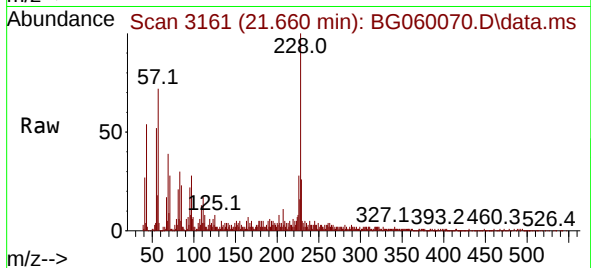
Ion	Ratio	Lower	Upper
228	100		
226	27.6	25.0	37.6
229	25.8	16.2	24.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/20/2023

Supervised By :mohammad ahmed 12/20/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.815 min Scan# 3698

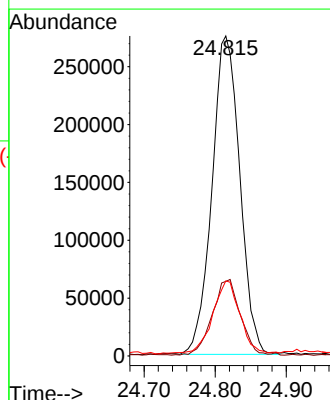
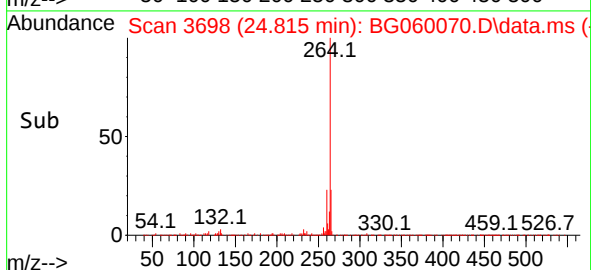
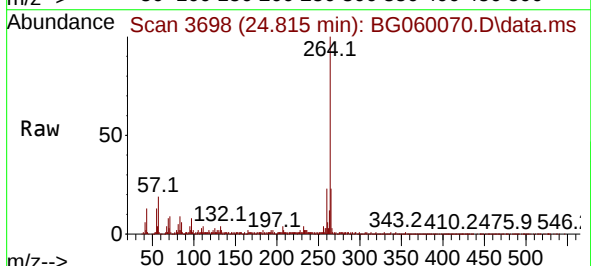
Delta R.T. -0.000 min

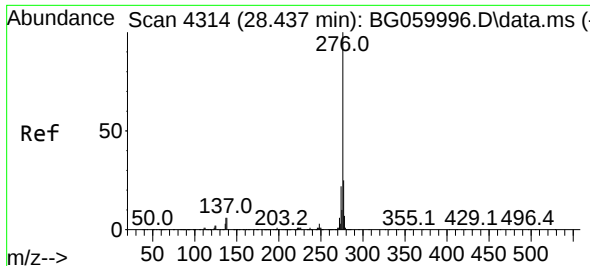
Lab File: BG060070.D

Acq: 18 Dec 2023 17:33

Tgt Ion:264 Resp: 748988

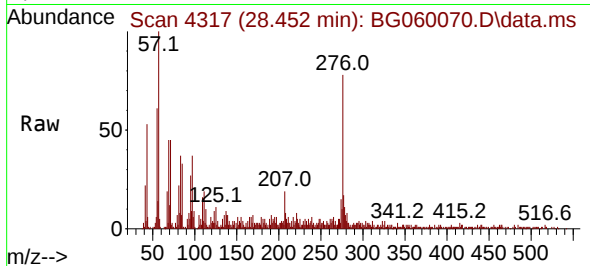
Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.5	27.7
265	23.4	17.3	25.9





#87
Indeno(1,2,3-cd)pyrene
Concen: 2.336 ng
RT: 28.452 min Scan# 41
Delta R.T. -0.006 min
Lab File: BG060070.D
Acq: 18 Dec 2023 17:33

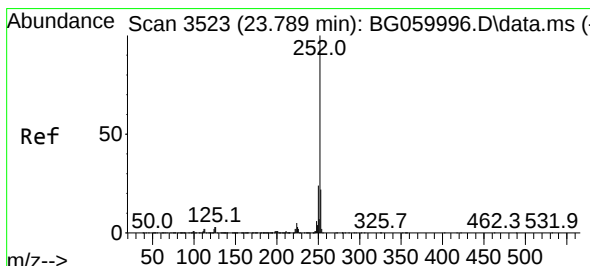
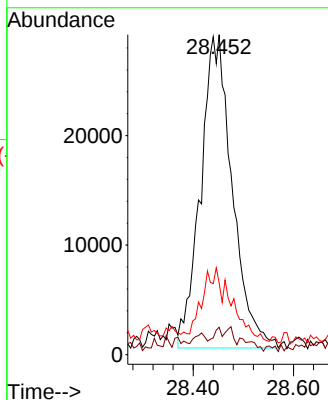
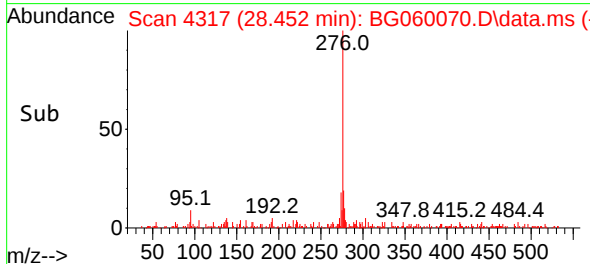
Instrument :
BNA_G
ClientSampleId :
RT-SB-06-12-13



Tgt Ion:276 Resp: 12484
Ion Ratio Lower Upper
276 100
138 1.6 4.7 7.1
277 11.3 20.0 30.0

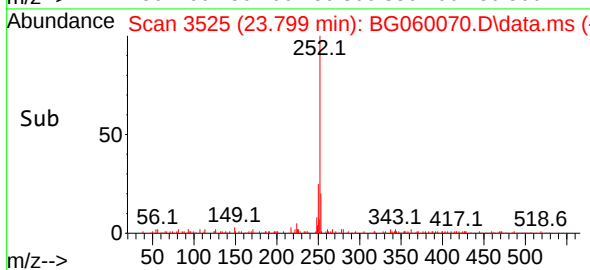
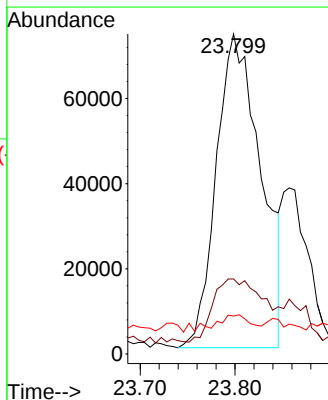
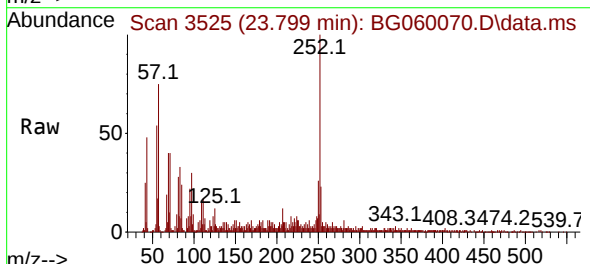
Manual Integrations
APPROVED

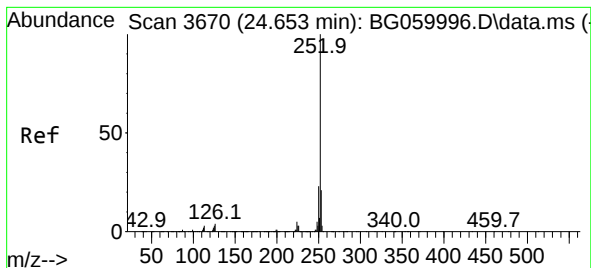
Reviewed By :Yogesh Patel 12/20/2023
Supervised By :mohammad ahmed 12/20/2023



#88
Benzo(b)fluoranthene
Concen: 5.190 ng
RT: 23.799 min Scan# 3525
Delta R.T. -0.000 min
Lab File: BG060070.D
Acq: 18 Dec 2023 17:33

Tgt Ion:252 Resp: 240088
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.2
125 11.9 2.6 4.0





#90

Benzo(a)pyrene

Concen: 3.904 ng

RT: 24.662 min Scan# 30

Delta R.T. -0.000 min

Lab File: BG060070.D

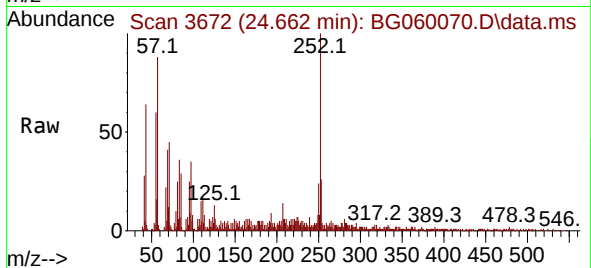
Acq: 18 Dec 2023 17:33

Instrument :

BNA_G

ClientSampleId :

RT-SB-06-12-13



Tgt Ion:252 Resp: 159998

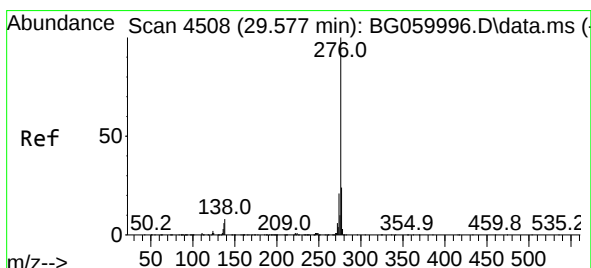
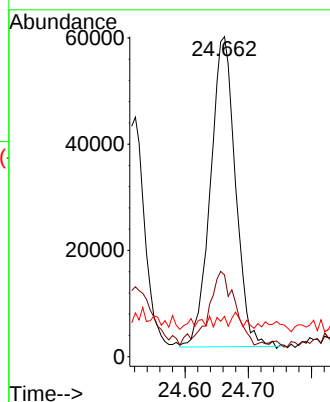
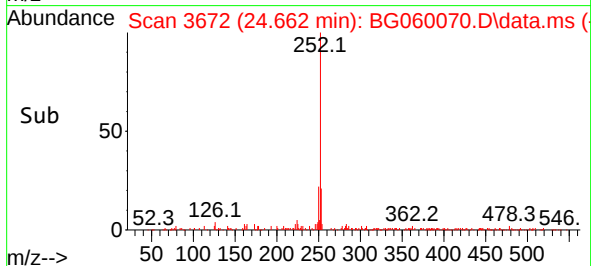
Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.1	25.7
125	12.6	2.6	4.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/20/2023

Supervised By :mohammad ahmed 12/20/2023



#92

Benzo(g,h,i)perylene

Concen: 2.392 ng

RT: 29.574 min Scan# 4508

Delta R.T. -0.024 min

Lab File: BG060070.D

Acq: 18 Dec 2023 17:33

Tgt Ion:276 Resp: 106333

Ion	Ratio	Lower	Upper
276	100		
277	26.7	19.4	29.2
138	9.1	6.0	9.0

