

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122023\
 Data File : BG060114.D
 Acq On : 21 Dec 2023 1:16
 Operator : MA/JU
 Sample : 05767-07RE
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-E3-COMPRE

Manual Integrations
 APPROVED

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

Quant Time: Dec 21 02:44:27 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	7.953	152	40989	20.000	ng	0.00
21) Naphthalene-d8	10.749	136	143362	20.000	ng	#-0.01
39) Acenaphthene-d10	14.586	164	133510	20.000	ng	-0.01
64) Phenanthrene-d10	17.336	188	396765	20.000	ng	#-0.01
76) Chrysene-d12	21.607	240	507680	20.000	ng	#-0.01
86) Perylene-d12	24.804	264	578330	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	172494	72.040	ng	0.00
7) Phenol-d6	7.113	99	233979	69.468	ng	0.00
23) Nitrobenzene-d5	9.110	82	197356	62.510	ng	-0.01
42) 2,4,6-Tribromophenol	16.078	330	290216	93.275	ng	0.00
45) 2-Fluorobiphenyl	13.211	172	614330	56.316	ng	0.00
79) Terphenyl-d14	19.956	244	1463324	52.624	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.377	178	246825	12.843	ng	97
72) Anthracene	17.471	178	72711m	3.763	ng	
75) Fluoranthene	19.398	202	706977	25.209	ng	94
78) Pyrene	19.757	202	635098	20.637	ng	97
81) Benzo(a)anthracene	21.590	228	502793	14.744	ng	99
83) Chrysene	21.654	228	438830	13.582	ng	99
87) Indeno(1,2,3-cd)pyrene	28.446	276	286376	6.938	ng	# 90
88) Benzo(b)fluoranthene	23.787	252	684349	19.160	ng	# 96
89) Benzo(k)fluoranthene	23.852	252	248954m	7.186	ng	
90) Benzo(a)pyrene	24.651	252	469887	14.849	ng	# 90
91) Dibenzo(a,h)anthracene	28.505	278	97585m	2.827	ng	
92) Benzo(g,h,i)perylene	29.580	276	274178m	7.986	ng	

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

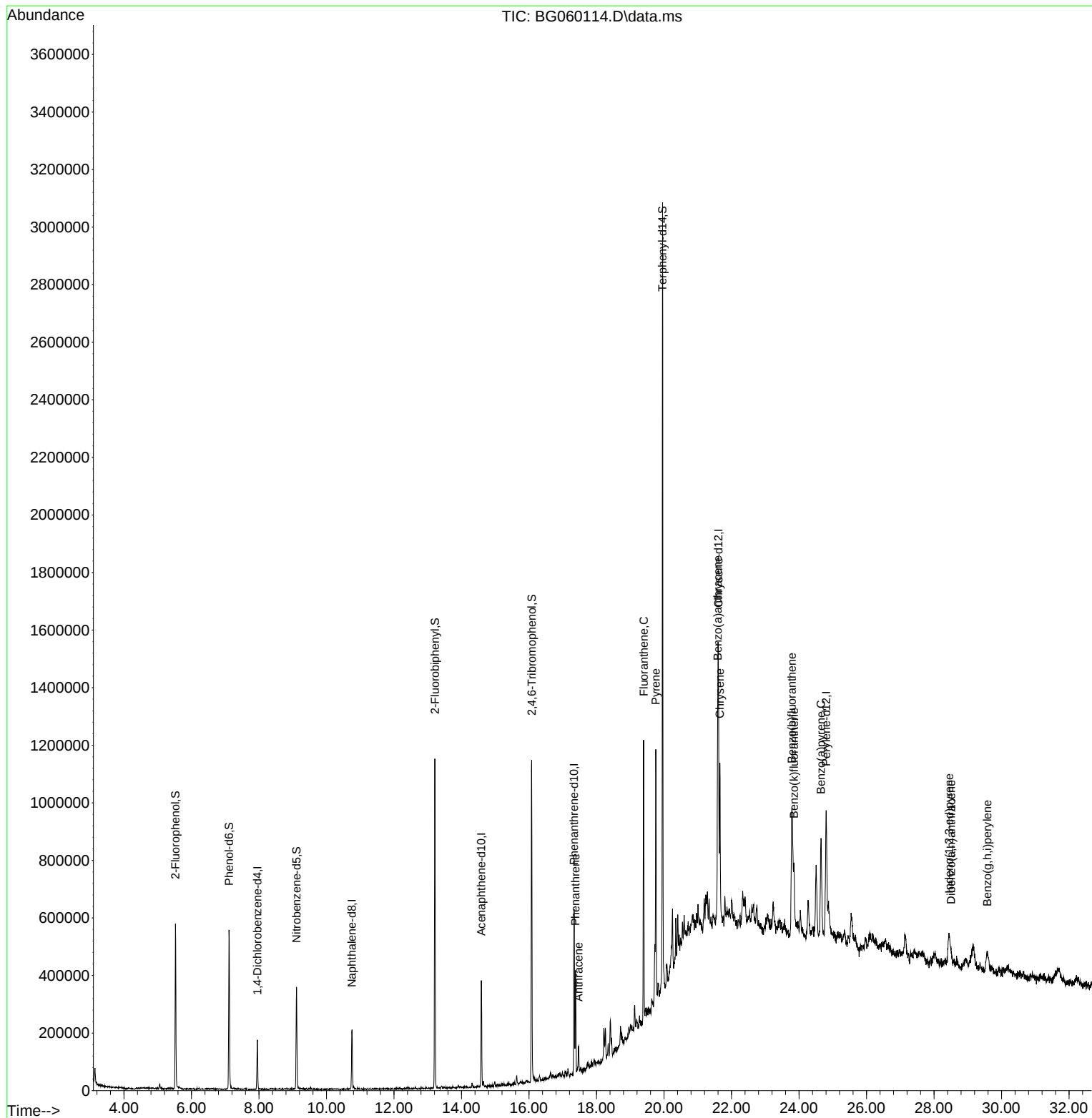
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122023\
Data File : BG060114.D
Acq On : 21 Dec 2023 1:16
Operator : MA/JU
Sample : 05767-07RE
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-E3-COMP

Manual Integrations
APPROVED

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

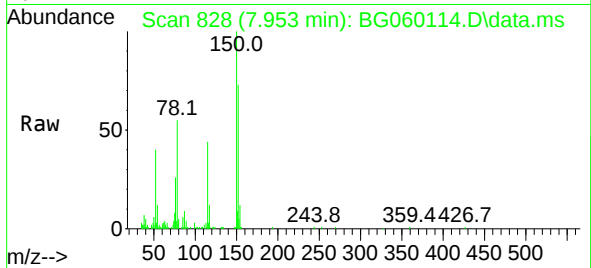
Quant Time: Dec 21 02:44:27 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 19 04:37:23 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.953 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG060114.D
Acq: 21 Dec 2023 1:16

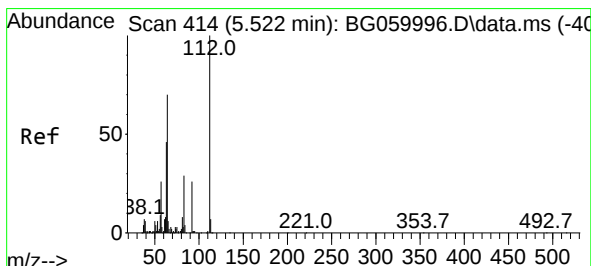
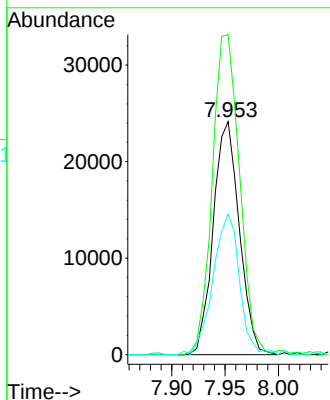
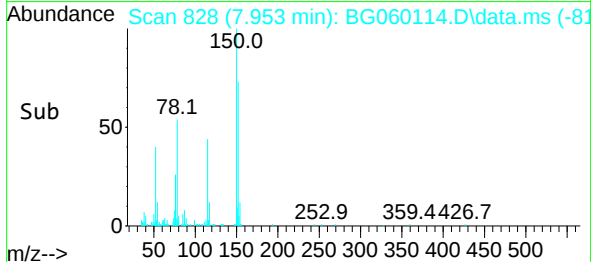
Instrument :
BNA_G
ClientSampleId :
SP-E3-COMP



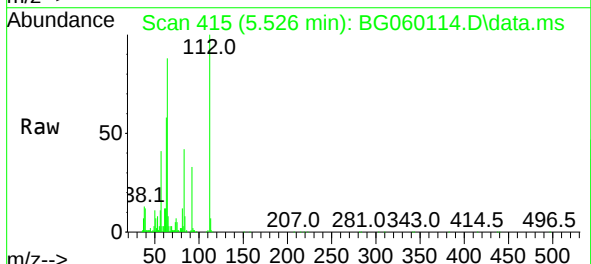
Tgt Ion:152 Resp: 40989
Ion Ratio Lower Upper
152 100
150 137.3 127.0 190.6
115 60.4 45.7 68.5

Manual Integrations
APPROVED

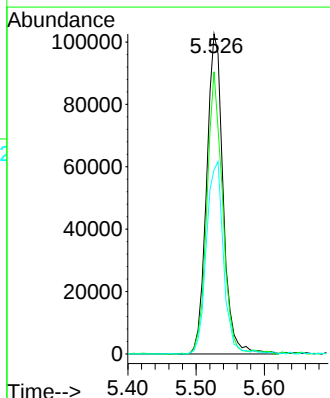
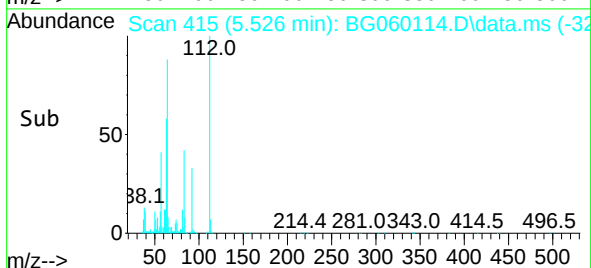
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#5
2-Fluorophenol
Concen: 72.040 ng
RT: 5.526 min Scan# 415
Delta R.T. -0.000 min
Lab File: BG060114.D
Acq: 21 Dec 2023 1:16



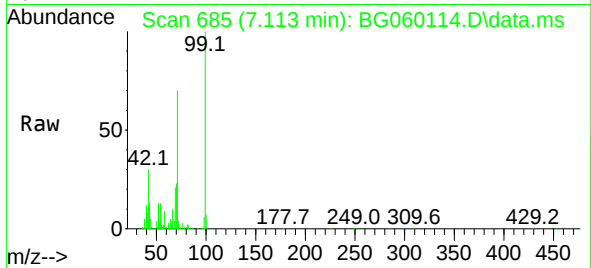
Tgt Ion:112 Resp: 172494
Ion Ratio Lower Upper
112 100
64 88.2 55.9 83.9#
63 57.6 36.5 54.7#





#7
Phenol-d6
Concen: 69.468 ng
RT: 7.113 min Scan# 60
Delta R.T. -0.000 min
Lab File: BG060114.D
Acq: 21 Dec 2023 1:16

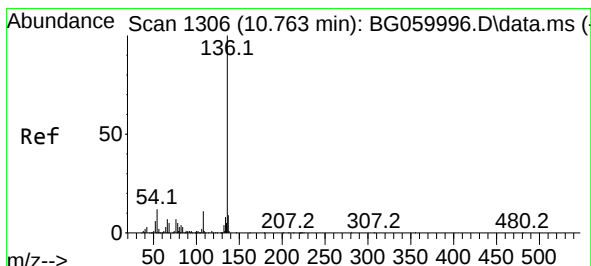
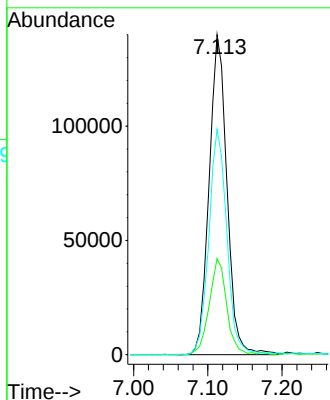
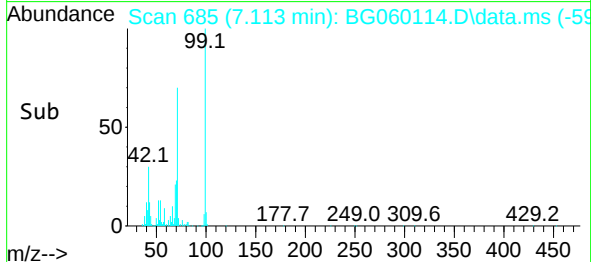
Instrument :
BNA_G
ClientSampleId :
SP-E3-COMP



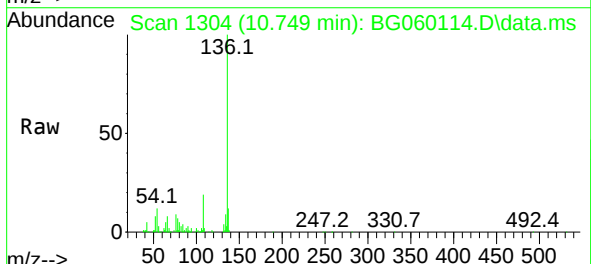
Tgt Ion: 99 Resp: 233979
Ion Ratio Lower Upper
99 100
42 30.0 16.2 24.4#
71 70.5 37.6 56.4#

Manual Integrations
APPROVED

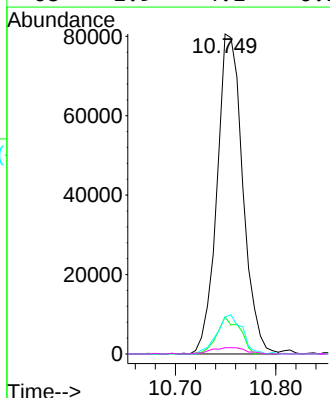
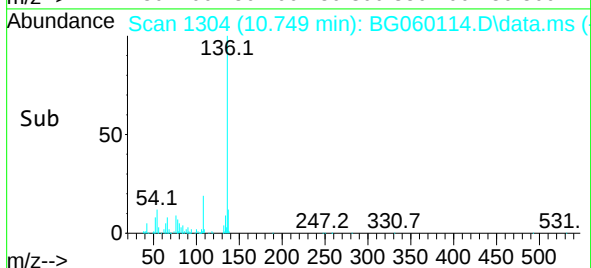
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023

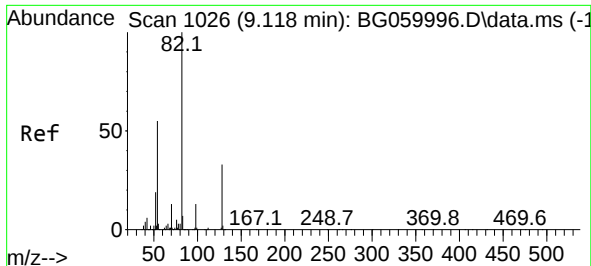


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.749 min Scan# 1304
Delta R.T. -0.012 min
Lab File: BG060114.D
Acq: 21 Dec 2023 1:16



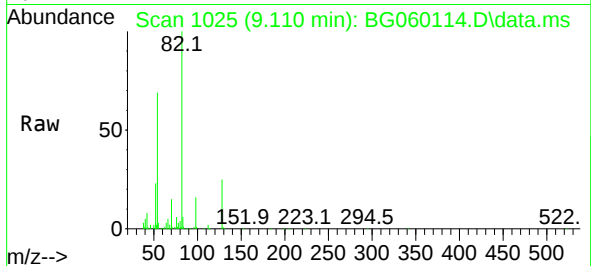
Tgt Ion:136 Resp: 143362
Ion Ratio Lower Upper
136 100
137 11.6 7.3 10.9#
54 11.6 9.6 14.4
68 1.9 4.1 6.1#





#23
Nitrobenzene-d5
Concen: 62.510 ng
RT: 9.110 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BG060114.D
Acq: 21 Dec 2023 1:16

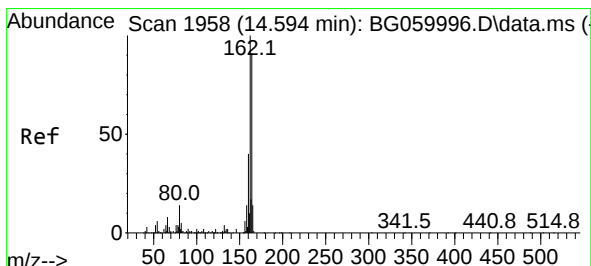
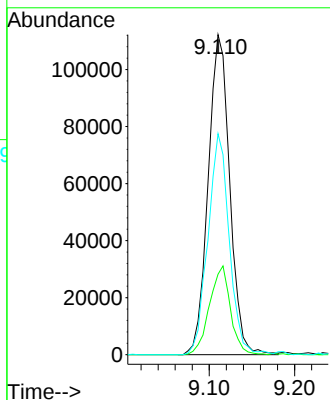
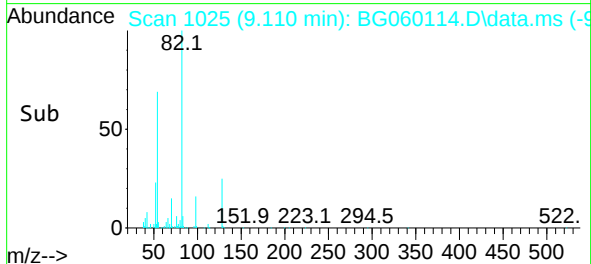
Instrument :
BNA_G
ClientSampleId :
SP-E3-COMPRE



Tgt Ion: 82 Resp: 197350
Ion Ratio Lower Upper
82 100
128 25.2 26.3 39.5
54 69.1 44.3 66.5

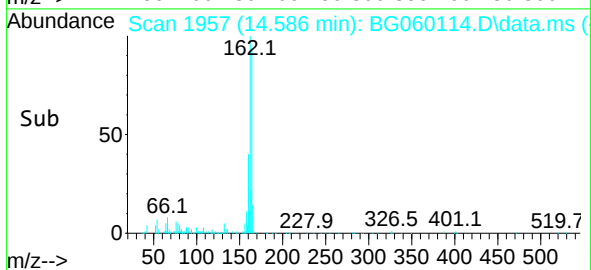
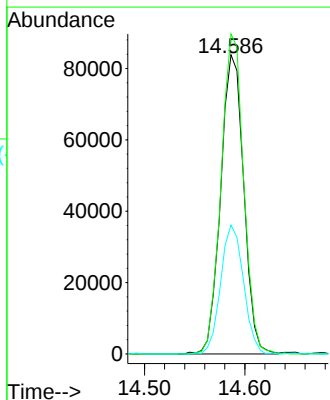
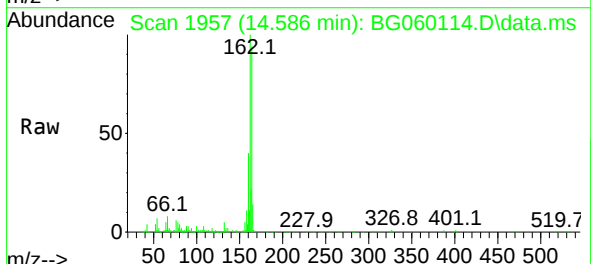
Manual Integrations
APPROVED

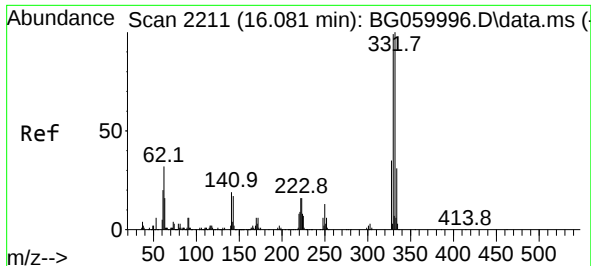
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.586 min Scan# 1957
Delta R.T. -0.012 min
Lab File: BG060114.D
Acq: 21 Dec 2023 1:16

Tgt Ion:164 Resp: 133510
Ion Ratio Lower Upper
164 100
162 106.9 88.1 132.1
160 43.0 35.4 53.0





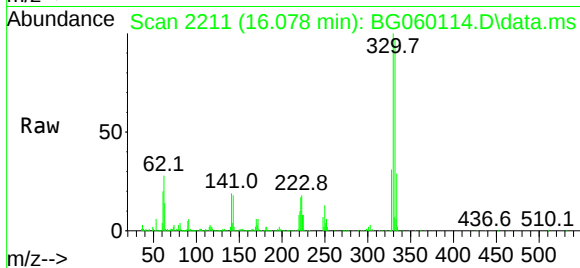
#42
2,4,6-Tribromophenol
Concen: 93.275 ng
RT: 16.078 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG060114.D
Acq: 21 Dec 2023 1:16

Instrument :

BNA_G

ClientSampleId :

SP-E3-COMP

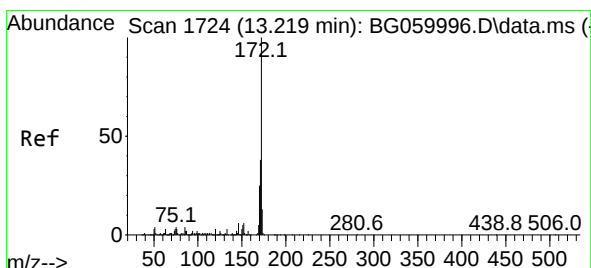
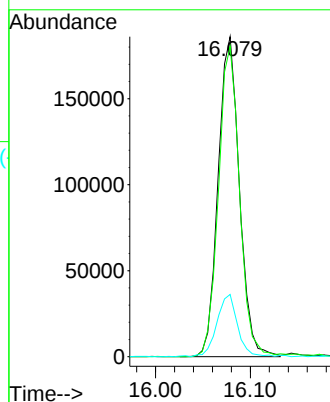
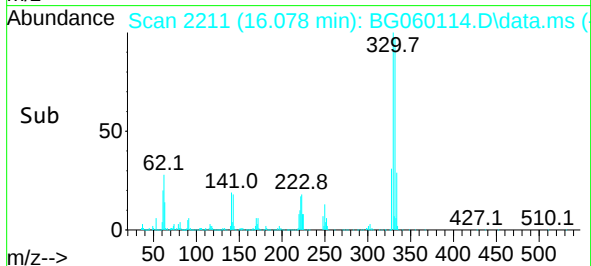


Tgt Ion:330 Resp: 290210
Ion Ratio Lower Upper
330 100
332 96.9 76.2 114.4
141 19.2 14.3 21.5

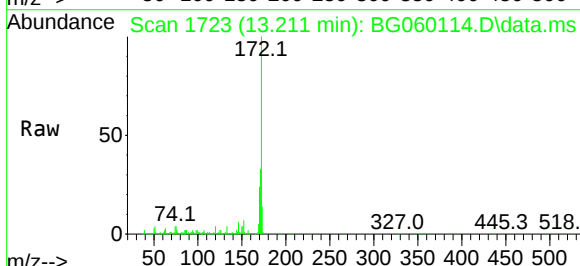
Manual Integrations

APPROVED

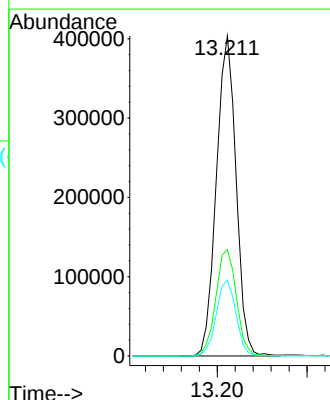
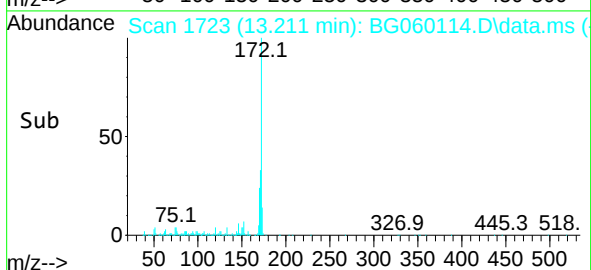
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023

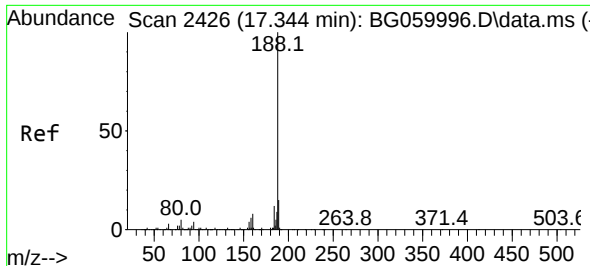


#45
2-Fluorobiphenyl
Concen: 56.316 ng
RT: 13.211 min Scan# 1723
Delta R.T. -0.006 min
Lab File: BG060114.D
Acq: 21 Dec 2023 1:16



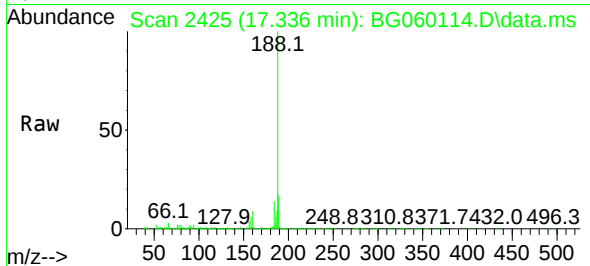
Tgt Ion:172 Resp: 614330
Ion Ratio Lower Upper
172 100
171 33.3 30.1 45.1
170 23.6 20.0 30.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.336 min Scan# 2425
Delta R.T. -0.012 min
Lab File: BG060114.D
Acq: 21 Dec 2023 1:16

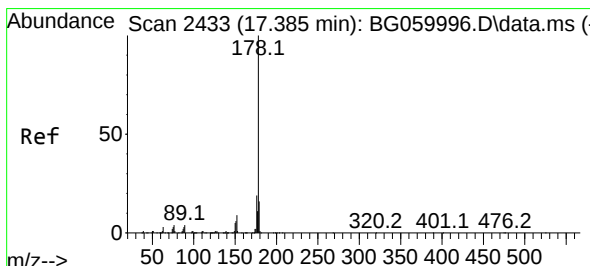
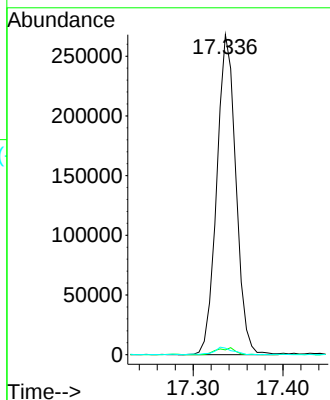
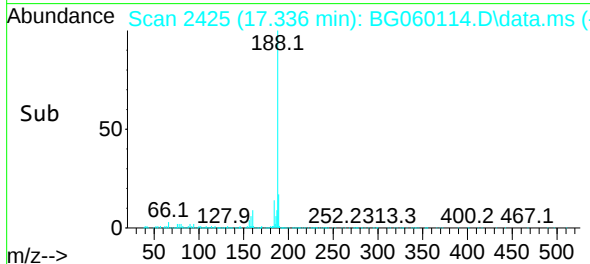
Instrument :
BNA_G
ClientSampleId :
SP-E3-COMP



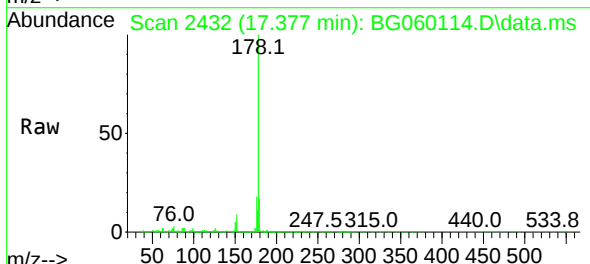
Tgt Ion:188 Resp: 396765
Ion Ratio Lower Upper
188 100
94 1.5 3.0 4.6
80 2.0 4.0 6.0

Manual Integrations
APPROVED

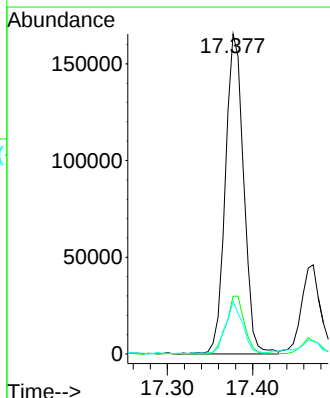
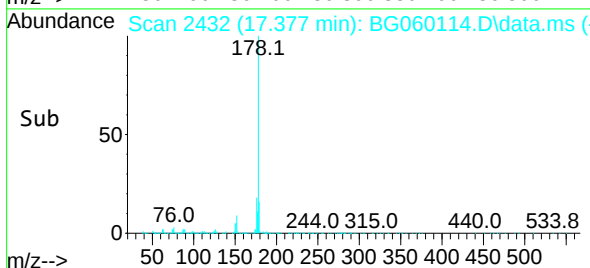
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023

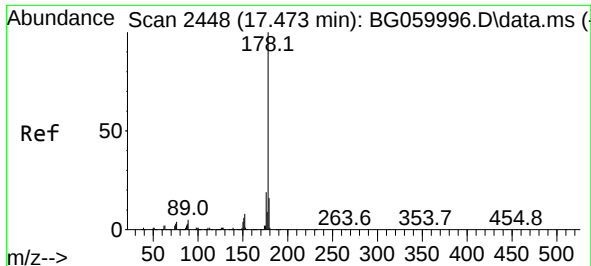


#71
Phenanthrene
Concen: 12.843 ng
RT: 17.377 min Scan# 2432
Delta R.T. -0.012 min
Lab File: BG060114.D
Acq: 21 Dec 2023 1:16



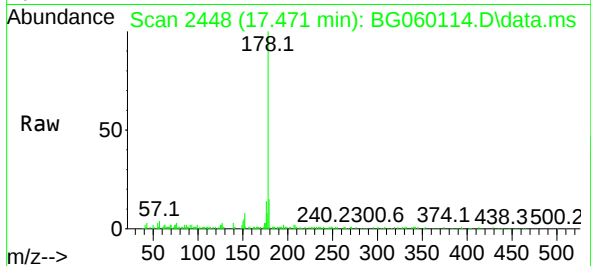
Tgt Ion:178 Resp: 246825
Ion Ratio Lower Upper
178 100
176 18.0 15.6 23.4
179 16.5 12.6 19.0





#72
 Anthracene
 Concen: 3.763 ng m
 RT: 17.471 min Scan# 2448
 Delta R.T. -0.006 min
 Lab File: BG060114.D
 Acq: 21 Dec 2023 1:16

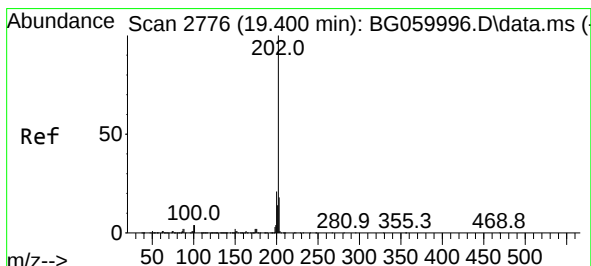
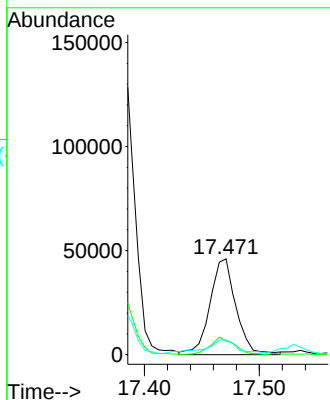
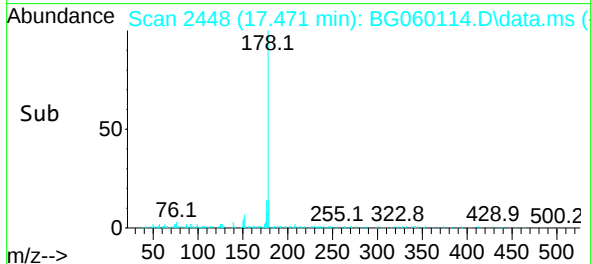
Instrument :
 BNA_G
 ClientSampleId :
 SP-E3-COMP



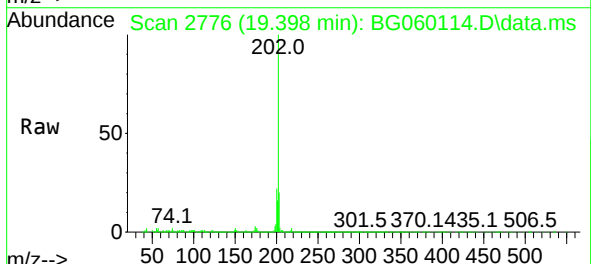
Tgt Ion:178 Resp: 72711
 Ion Ratio Lower Upper
 178 100
 176 14.2 15.0 22.6
 179 15.2 12.6 19.0

Manual Integrations
 APPROVED

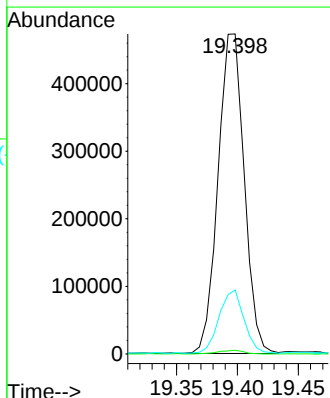
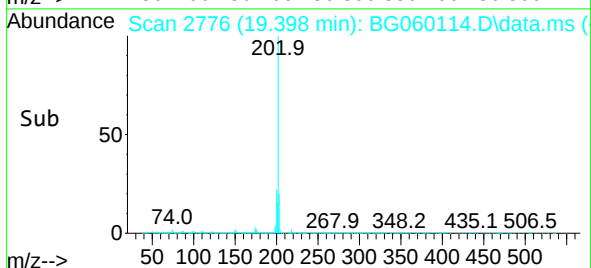
Reviewed By :Yogesh Patel 12/21/2023
 Supervised By :mohammad ahmed 12/21/2023

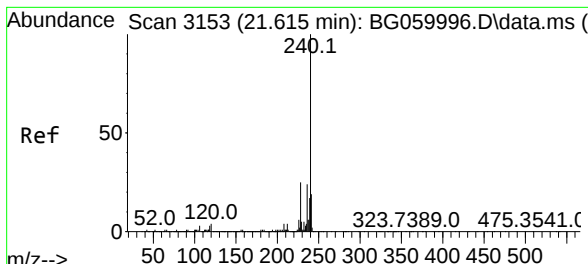


#75
 Fluoranthene
 Concen: 25.209 ng
 RT: 19.398 min Scan# 2776
 Delta R.T. -0.006 min
 Lab File: BG060114.D
 Acq: 21 Dec 2023 1:16



Tgt Ion:202 Resp: 706977
 Ion Ratio Lower Upper
 202 100
 101 1.2 0.0 24.2
 203 20.0 0.0 37.6





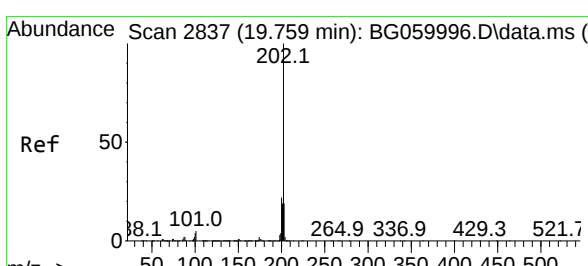
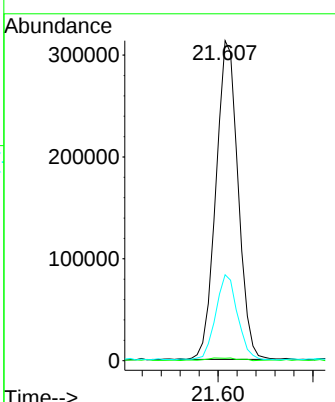
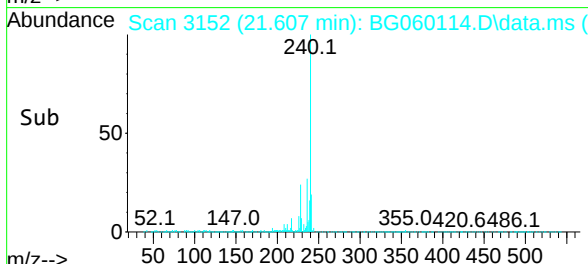
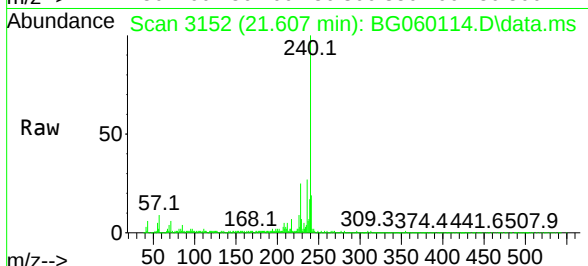
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.607 min Scan# 3152
 Delta R.T. -0.012 min
 Lab File: BG060114.D
 Acq: 21 Dec 2023 1:16

Instrument : BNA_G
 Client Sample Id : SP-E3-COMP

Tgt Ion: 240 Resp: 507680

Ion	Ratio	Lower	Upper
240	100		
120	0.7	2.9	4.3
236	26.9	19.4	29.2

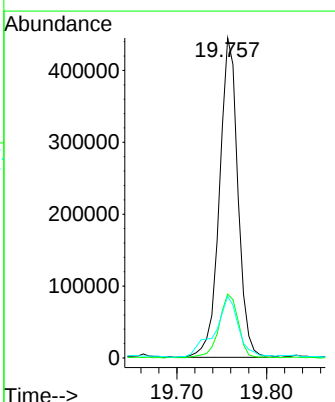
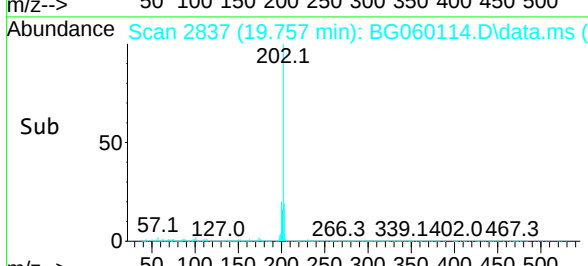
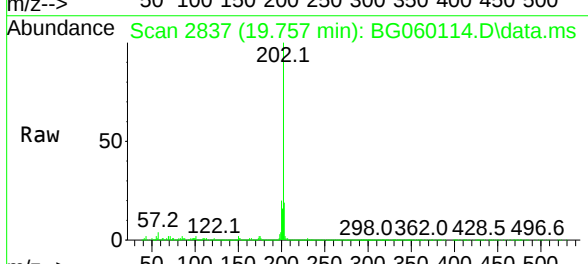
Manual Integrations
APPROVED
 Reviewed By : Yogesh Patel 12/21/2023
 Supervised By : mohammad ahmed 12/21/2023

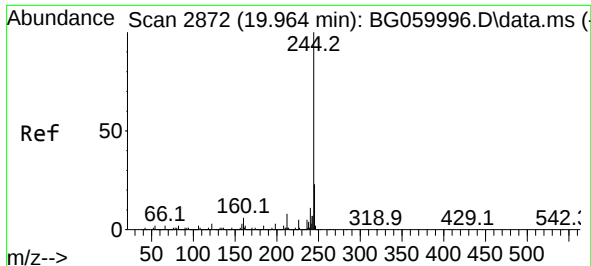


#78
 Pyrene
 Concen: 20.637 ng
 RT: 19.757 min Scan# 2837
 Delta R.T. -0.006 min
 Lab File: BG060114.D
 Acq: 21 Dec 2023 1:16

Tgt Ion: 202 Resp: 635098

Ion	Ratio	Lower	Upper
202	100		
200	20.0	17.6	26.4
203	19.3	14.9	22.3





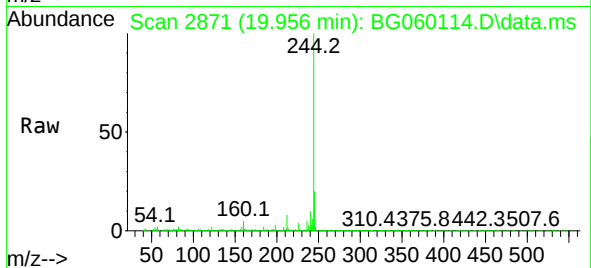
#79
 Terphenyl-d14
 Concen: 52.624 ng
 RT: 19.956 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BG060114.D
 Acq: 21 Dec 2023 1:16

Instrument :

BNA_G

ClientSampleId :

SP-E3-COMPRE



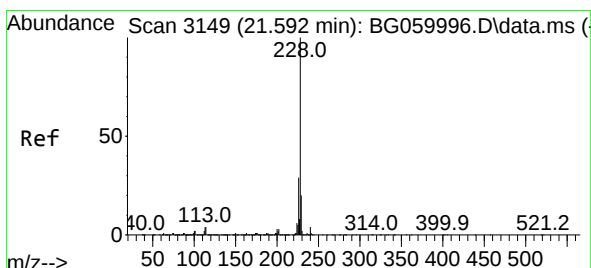
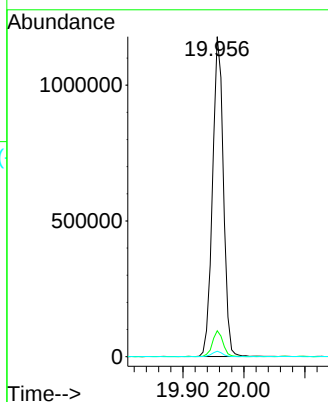
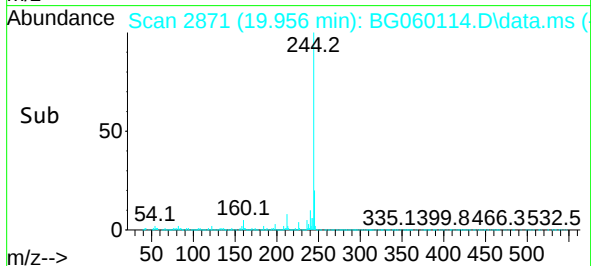
Tgt Ion:244 Resp: 1463324
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.8 10.2
 122 1.7 2.6 3.8

Manual Integrations

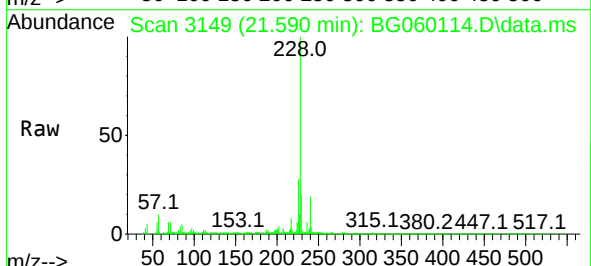
APPROVED

Reviewed By :Yogesh Patel 12/21/2023

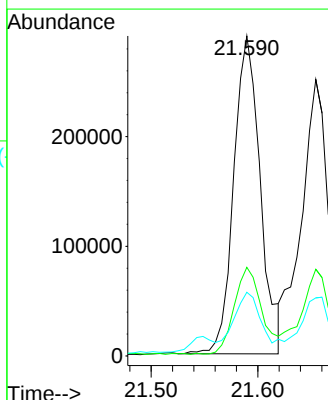
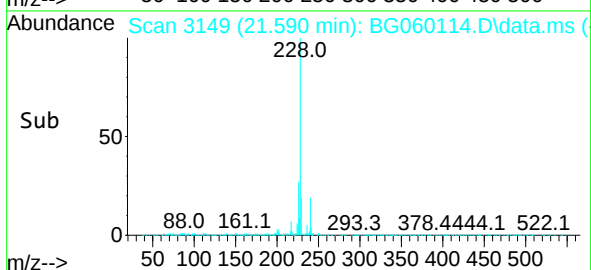
Supervised By :mohammad ahmed 12/21/2023

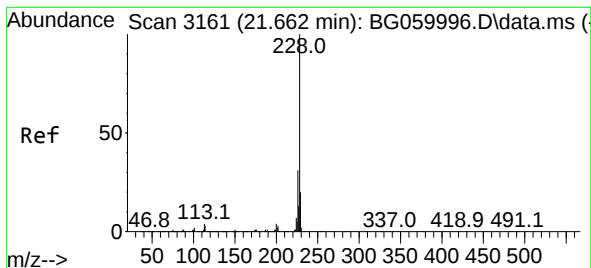


#81
 Benzo(a)anthracene
 Concen: 14.744 ng
 RT: 21.590 min Scan# 3149
 Delta R.T. -0.012 min
 Lab File: BG060114.D
 Acq: 21 Dec 2023 1:16



Tgt Ion:228 Resp: 502793
 Ion Ratio Lower Upper
 228 100
 226 27.7 22.9 34.3
 229 19.9 16.2 24.2





#83

Chrysene

Concen: 13.582 ng

RT: 21.654 min Scan# 3161

Delta R.T. -0.012 min

Lab File: BG060114.D

Acq: 21 Dec 2023 1:16

Instrument :

BNA_G

ClientSampleId :

SP-E3-COMP

Tgt Ion:228 Resp: 438830

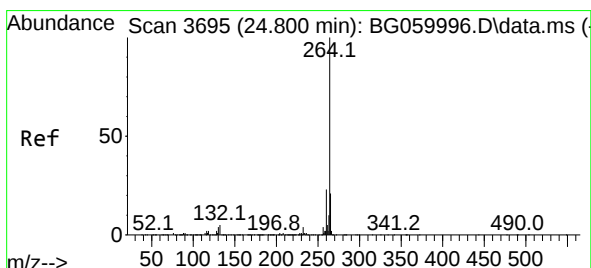
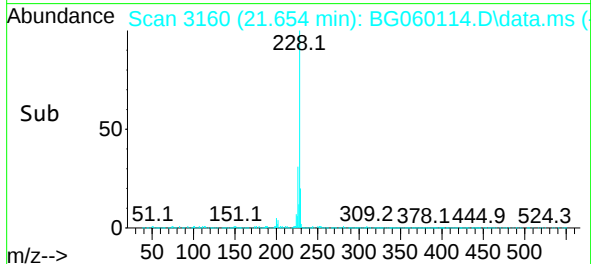
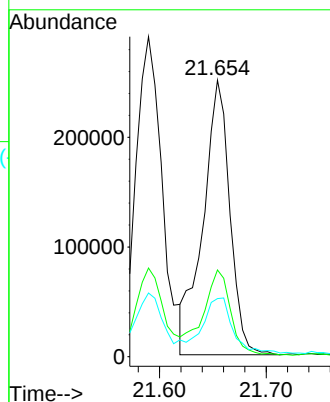
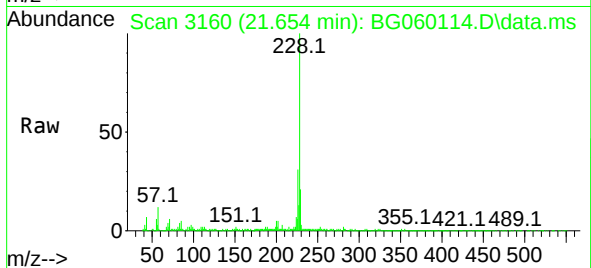
Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.6
229	21.0	16.2	24.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/21/2023

Supervised By :mohammad ahmed 12/21/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.804 min Scan# 3696

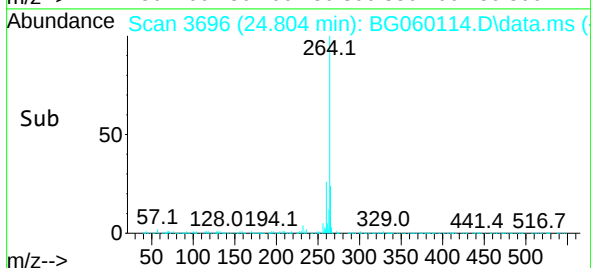
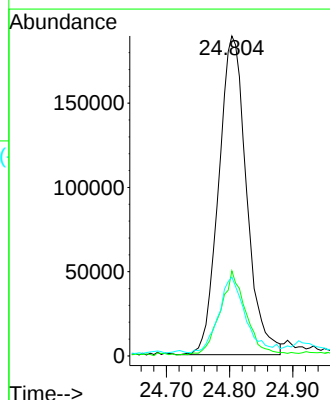
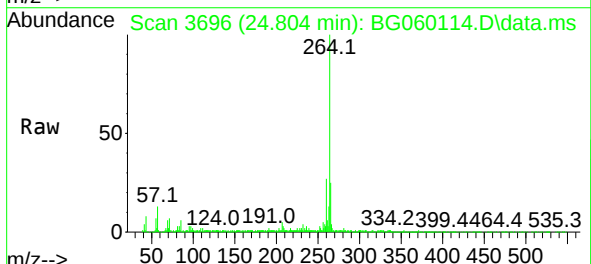
Delta R.T. -0.012 min

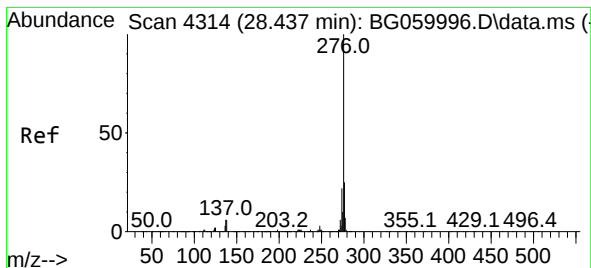
Lab File: BG060114.D

Acq: 21 Dec 2023 1:16

Tgt Ion:264 Resp: 578330

Ion	Ratio	Lower	Upper
264	100		
260	26.6	18.5	27.7
265	24.6	17.3	25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.938 ng

RT: 28.446 min Scan# 4314

Delta R.T. -0.012 min

Lab File: BG060114.D

Acq: 21 Dec 2023 1:16

Instrument :

BNA_G

ClientSampleId :

SP-E3-COMPRE

Tgt Ion:276 Resp: 286370

Ion Ratio Lower Upper

276 100

138 0.8 4.7 7.1

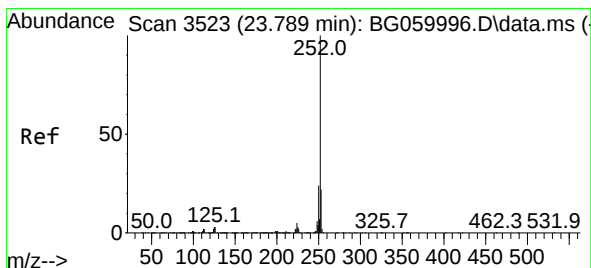
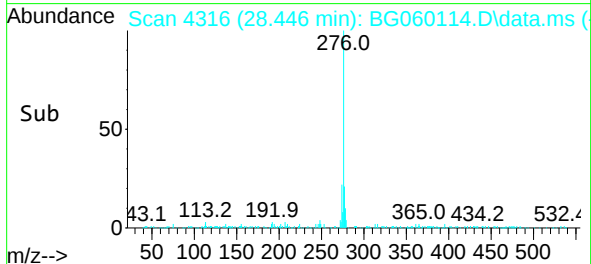
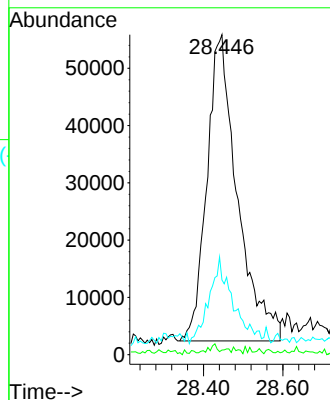
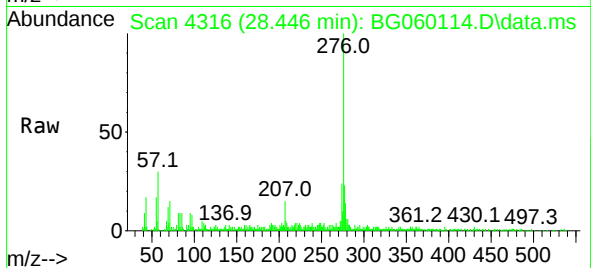
277 20.7 20.0 30.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/21/2023

Supervised By :mohammad ahmed 12/21/2023



#88

Benzo(b)fluoranthene

Concen: 19.160 ng

RT: 23.787 min Scan# 3523

Delta R.T. -0.012 min

Lab File: BG060114.D

Acq: 21 Dec 2023 1:16

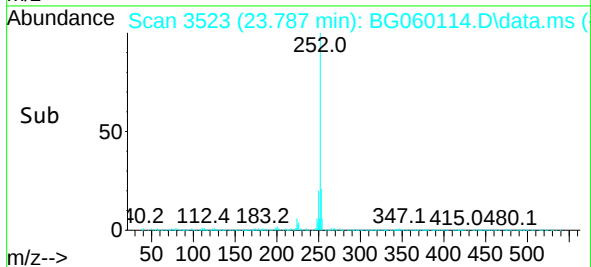
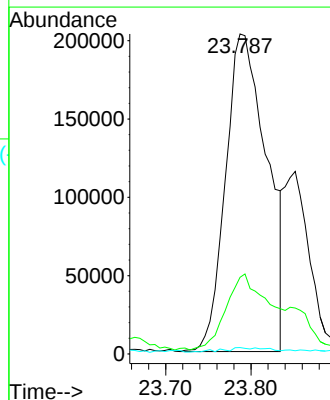
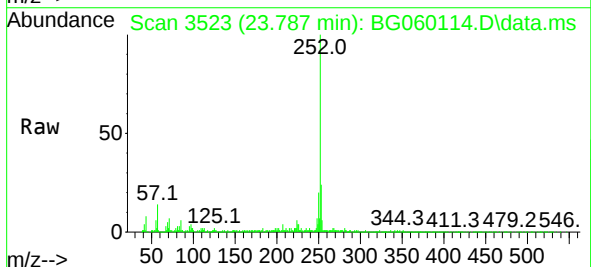
Tgt Ion:252 Resp: 684349

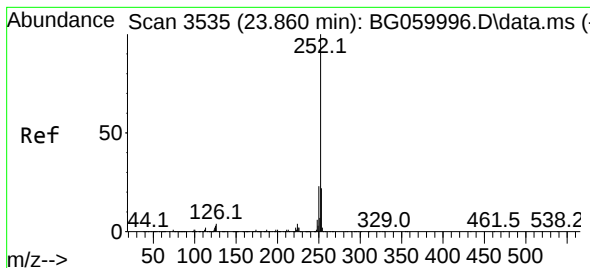
Ion Ratio Lower Upper

252 100

253 23.9 17.4 26.2

125 2.0 2.6 4.0





#89

Benzo(k)fluoranthene

Concen: 7.186 ng m

RT: 23.852 min Scan# 3

Delta R.T. -0.018 min

Lab File: BG060114.D

Acq: 21 Dec 2023 1:16

Instrument :

BNA_G

ClientSampleId :

SP-E3-COMP

Tgt Ion:252 Resp: 248954

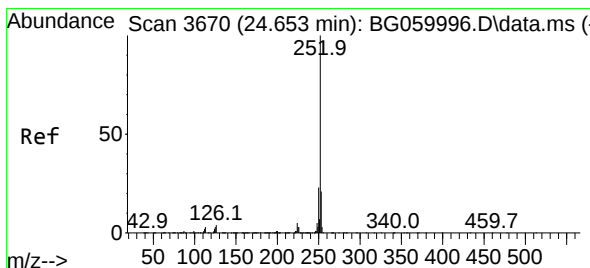
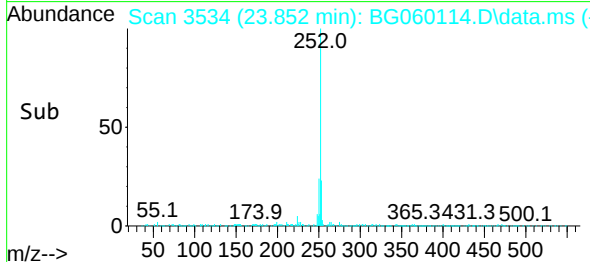
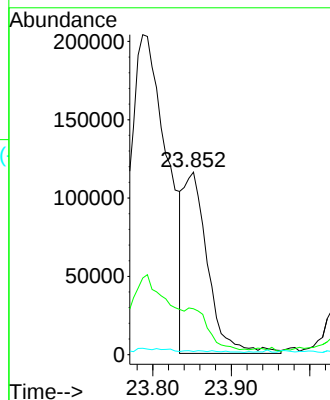
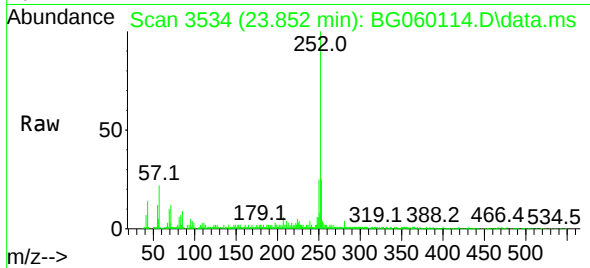
Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.8	26.6
125	1.7	2.5	3.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/21/2023

Supervised By :mohammad ahmed 12/21/2023



#90

Benzo(a)pyrene

Concen: 14.849 ng

RT: 24.651 min Scan# 3670

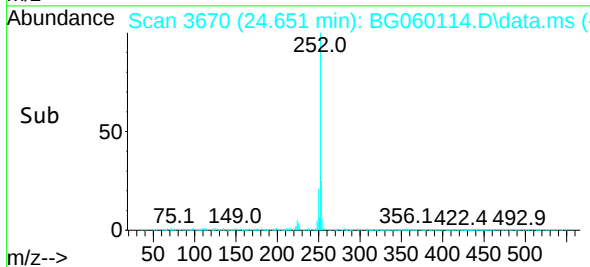
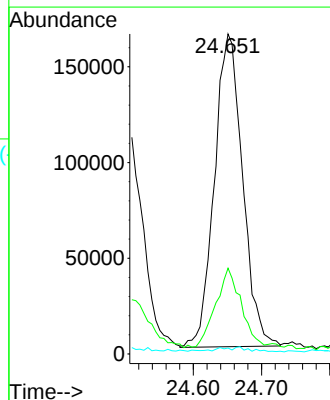
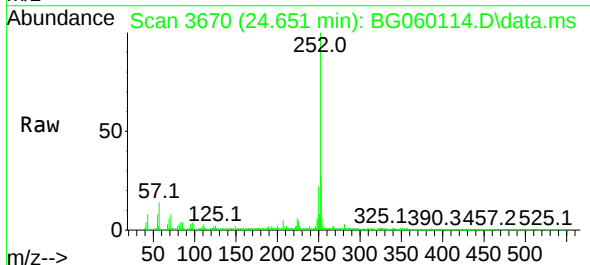
Delta R.T. -0.012 min

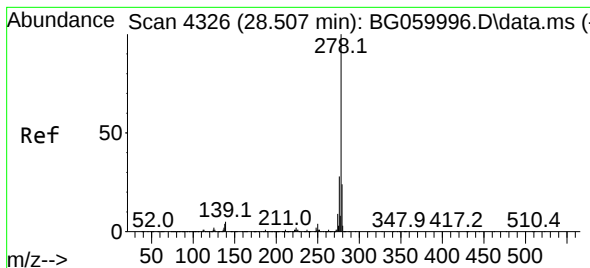
Lab File: BG060114.D

Acq: 21 Dec 2023 1:16

Tgt Ion:252 Resp: 469887

Ion	Ratio	Lower	Upper
252	100		
253	26.8	17.1	25.7#
125	1.9	2.6	4.0#





#91

Dibenzo(a,h)anthracene

Concen: 2.827 ng m

RT: 28.505 min Scan# 41

Delta R.T. -0.018 min

Lab File: BG060114.D

Acq: 21 Dec 2023 1:16

Instrument :

BNA_G

ClientSampleId :

SP-E3-COMP

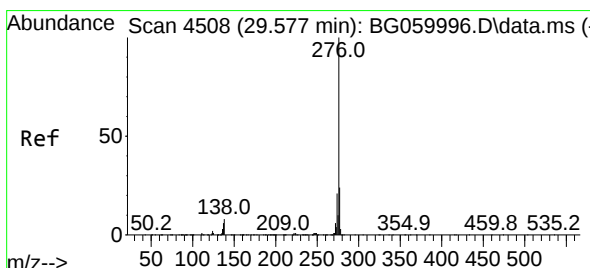
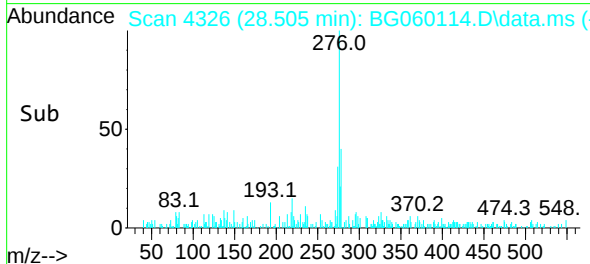
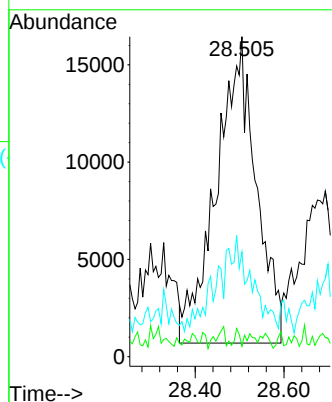
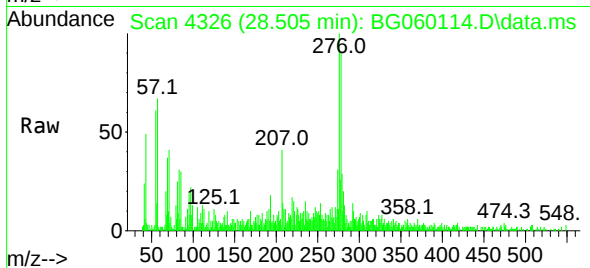
Tgt Ion:	278	Resp:	9758
Ion Ratio	Lower	Upper	
278	100		
139	3.2	4.4	6.6
279	32.8	19.4	29.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/21/2023

Supervised By :mohammad ahmed 12/21/2023



#92

Benzo(g,h,i)perylene

Concen: 7.986 ng m

RT: 29.580 min Scan# 4509

Delta R.T. -0.018 min

Lab File: BG060114.D

Acq: 21 Dec 2023 1:16

Tgt Ion:	276	Resp:	274178
Ion Ratio	Lower	Upper	
276	100		
277	23.0	19.4	29.2
138	1.7	6.0	9.0

