

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042224\
 Data File : BG060995.D
 Acq On : 22 Apr 2024 17:24
 Operator : MA/JU
 Sample : P2147-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-C

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/24/2024
 Supervised By :mohammad ahmed 04/24/2024

Quant Time: Apr 23 02:18:43 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 22 04:22:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.943	152	28467	20.000	ng	0.00
21) Naphthalene-d8	10.734	136	106947	20.000	ng	# 0.00
39) Acenaphthene-d10	14.570	164	78769	20.000	ng	0.00
64) Phenanthrene-d10	17.314	188	185916	20.000	ng	0.00
76) Chrysene-d12	21.574	240	189534	20.000	ng	0.00
86) Perylene-d12	24.706	264	224844	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	125132	88.914	ng	0.00
7) Phenol-d6	7.109	99	166297	79.640	ng	0.00
23) Nitrobenzene-d5	9.094	82	124065	52.120	ng	0.00
42) 2,4,6-Tribromophenol	16.057	330	136263	78.778	ng	0.00
45) 2-Fluorobiphenyl	13.190	172	330020	57.986	ng	0.00
79) Terphenyl-d14	19.941	244	627533	51.393	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.355	178	27753	2.925	ng	97
75) Fluoranthene	19.371	202	101974	8.097	ng	94
78) Pyrene	19.729	202	94749	7.342	ng	99
81) Benzo(a)anthracene	21.556	228	58088	4.359	ng	93
83) Chrysene	21.621	228	55499m	4.375	ng	
88) Benzo(b)fluoranthene	23.718	252	71436	5.606	ng	# 96
90) Benzo(a)pyrene	24.553	252	49152	3.985	ng	# 88
92) Benzo(g,h,i)perylene	29.341	276	29707m	2.351	ng	

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

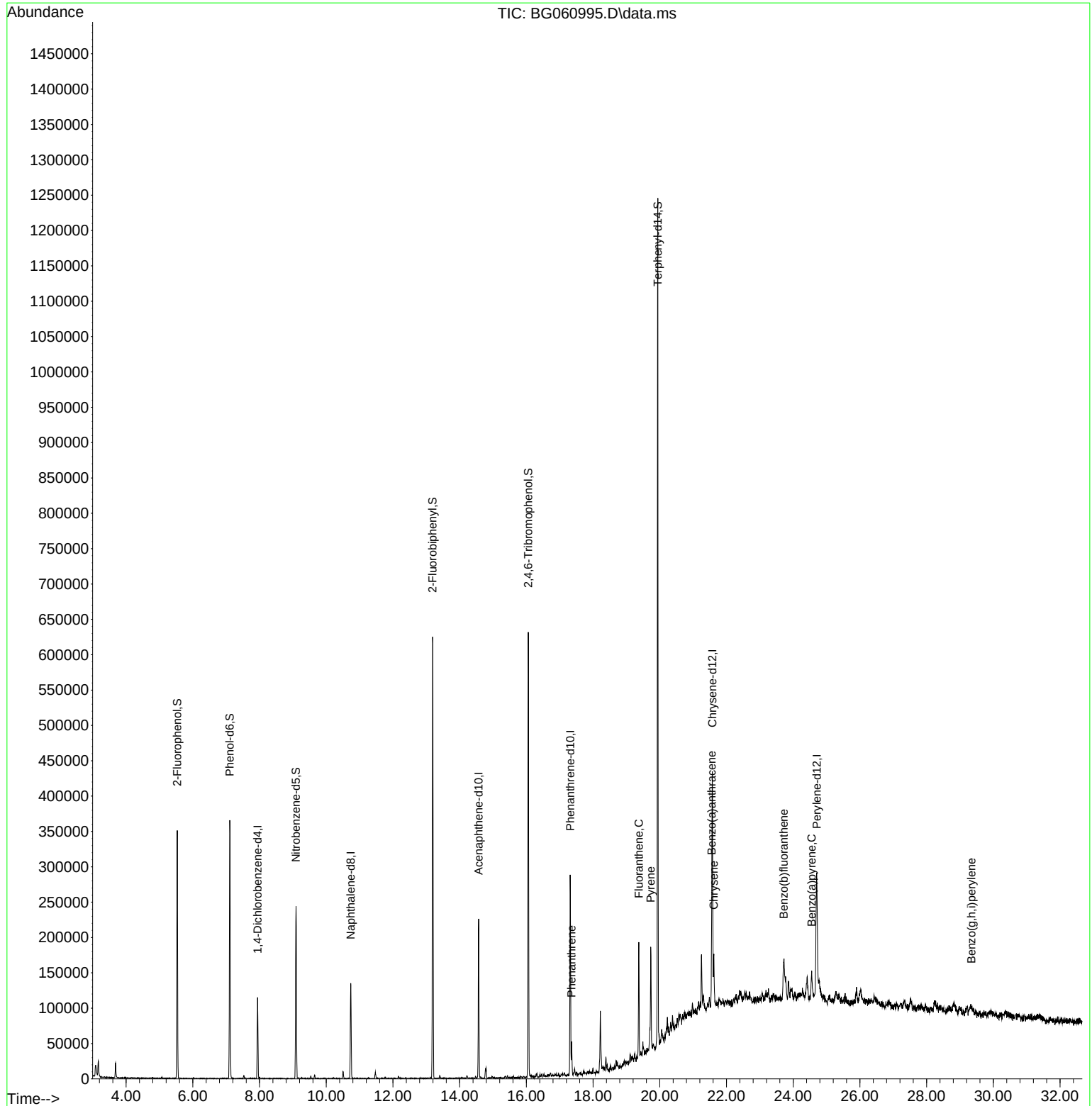
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042224\
Data File : BG060995.D
Acq On : 22 Apr 2024 17:24
Operator : MA/JU
Sample : P2147-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

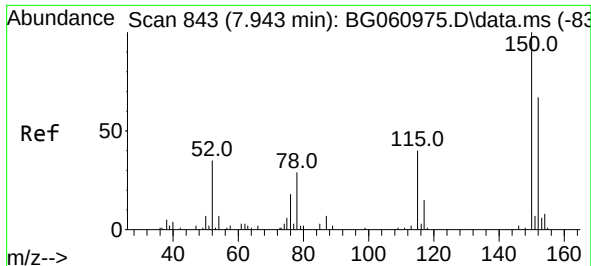
Instrument :
BNA_G
ClientSampleId :
COMP-C

Quant Time: Apr 23 02:18:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 22 04:22:00 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/24/2024
Supervised By :mohammad ahmed 04/24/2024





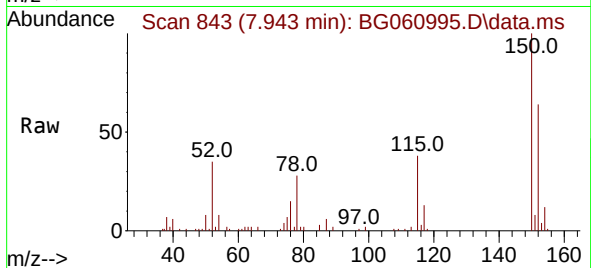
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.943 min Scan# 843
Delta R.T. -0.000 min
Lab File: BG060995.D
Acq: 22 Apr 2024 17:24

Instrument :

BNA_G

ClientSampleId :

COMP-C

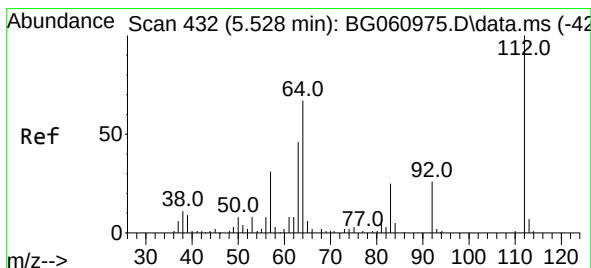
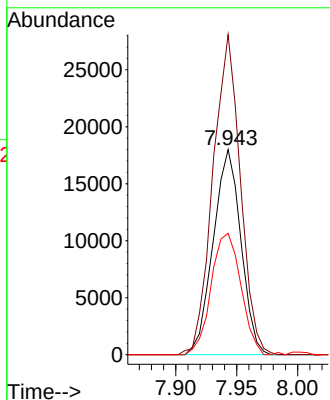
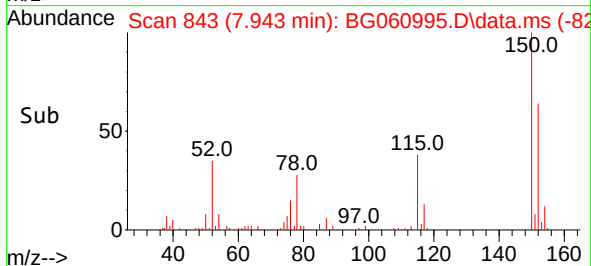


Tgt Ion:152 Resp: 2846
Ion Ratio Lower Upper
152 100
150 156.0 118.6 178.0
115 59.2 47.4 71.0

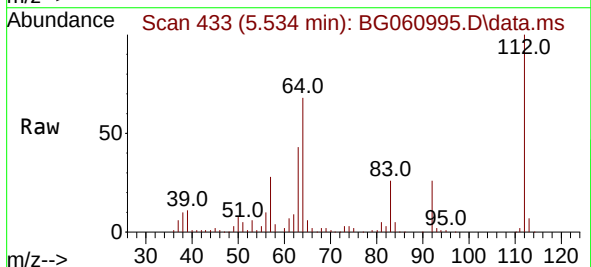
Manual Integrations

APPROVED

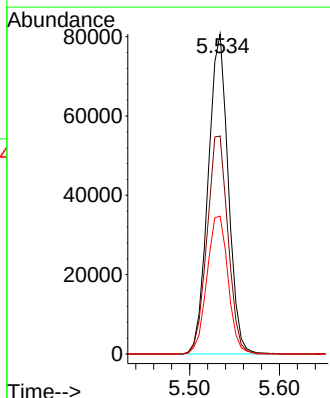
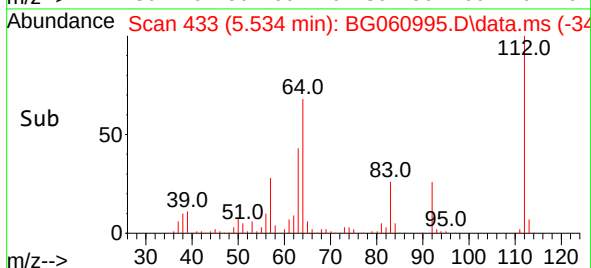
Reviewed By :Yogesh Patel 04/24/2024
Supervised By :mohammad ahmed 04/24/2024

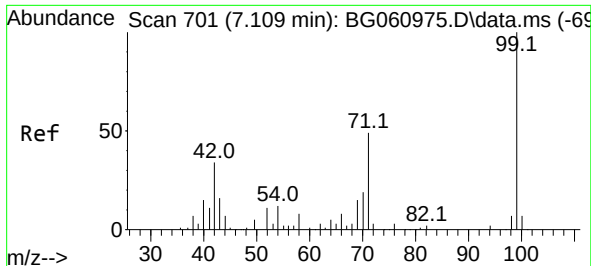


#5
2-Fluorophenol
Concen: 88.914 ng
RT: 5.534 min Scan# 433
Delta R.T. 0.006 min
Lab File: BG060995.D
Acq: 22 Apr 2024 17:24



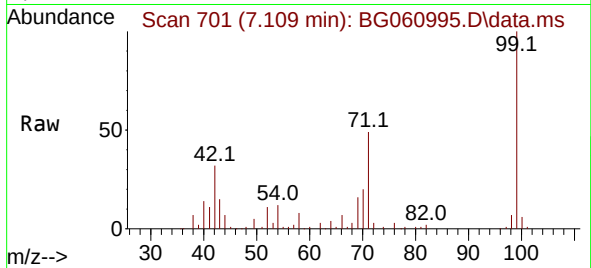
Tgt Ion:112 Resp: 125132
Ion Ratio Lower Upper
112 100
64 68.1 53.7 80.5
63 43.1 37.0 55.6





#7
Phenol-d6
Concen: 79.640 ng
RT: 7.109 min Scan# 701
Delta R.T. -0.000 min
Lab File: BG060995.D
Acq: 22 Apr 2024 17:24

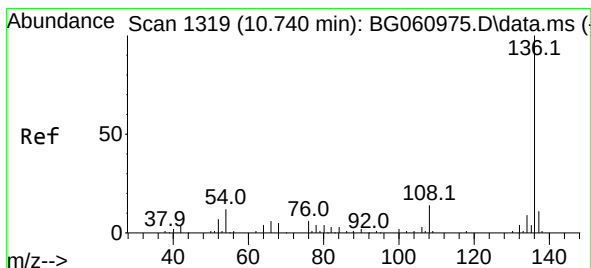
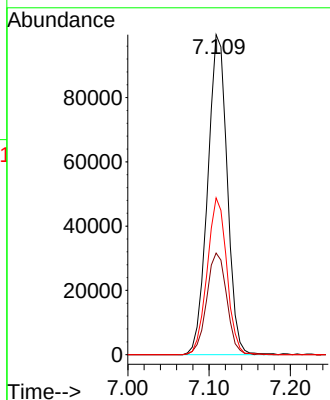
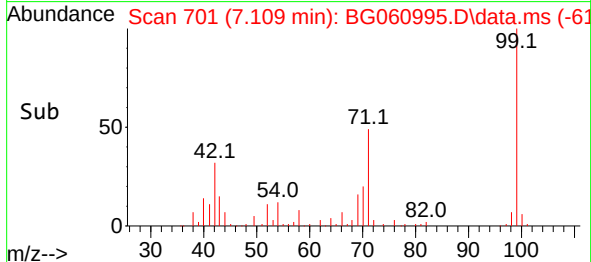
Instrument :
BNA_G
ClientSampleId :
COMP-C



Tgt Ion: 99 Resp: 16629
Ion Ratio Lower Upper
99 100
42 31.8 27.2 40.8
71 49.0 38.8 58.2

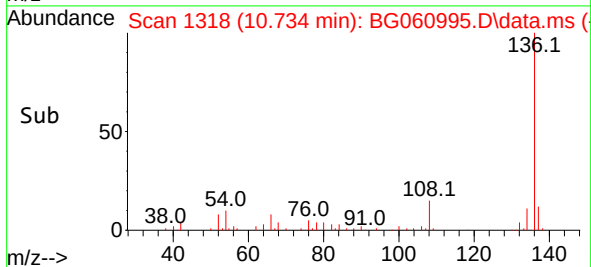
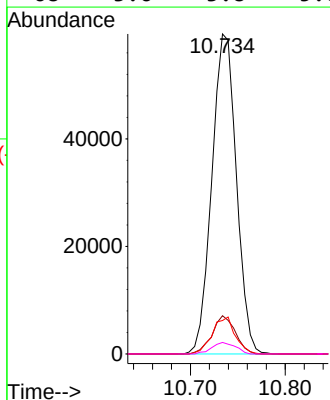
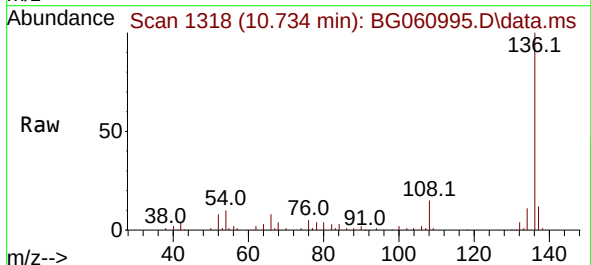
Manual Integrations
APPROVED

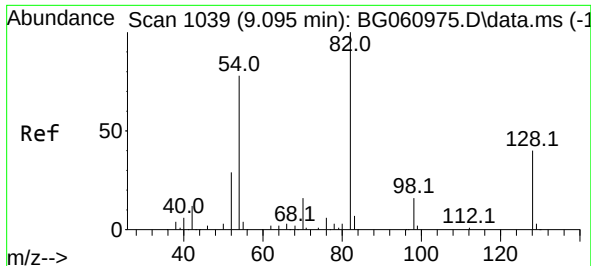
Reviewed By :Yogesh Patel 04/24/2024
Supervised By :mohammad ahmed 04/24/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.734 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BG060995.D
Acq: 22 Apr 2024 17:24

Tgt Ion:136 Resp: 106947
Ion Ratio Lower Upper
136 100
137 12.0 8.5 12.7
54 10.5 9.4 14.0
68 3.6 3.8 5.6#





#23

Nitrobenzene-d5

Concen: 52.120 ng

RT: 9.094 min Scan# 1039

Delta R.T. -0.000 min

Lab File: BG060995.D

Acq: 22 Apr 2024 17:24

Instrument :

BNA_G

ClientSampleId :

COMP-C

Tgt Ion: 82 Resp: 12406

Ion Ratio Lower Upper

82 100

128 41.6 32.1 48.1

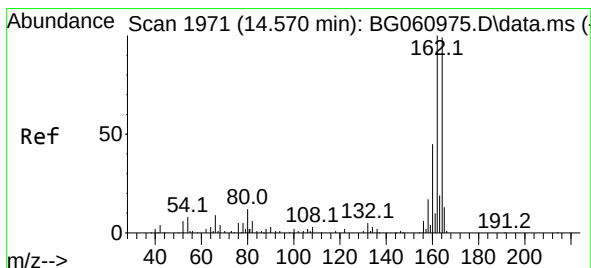
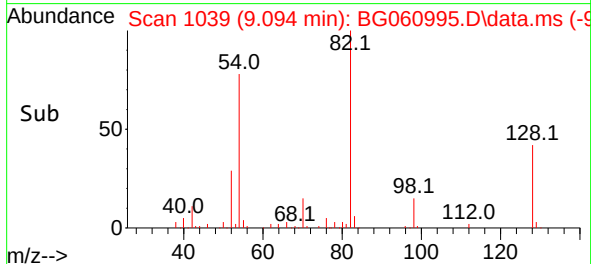
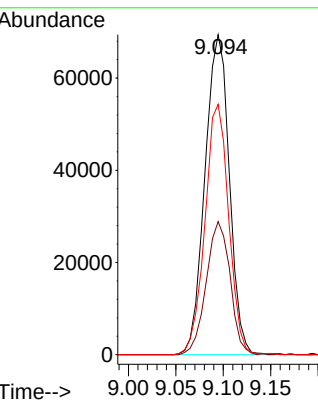
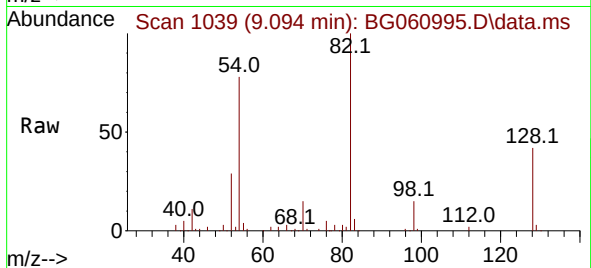
54 78.2 62.3 93.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/24/2024

Supervised By :mohammad ahmed 04/24/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.570 min Scan# 1971

Delta R.T. -0.000 min

Lab File: BG060995.D

Acq: 22 Apr 2024 17:24

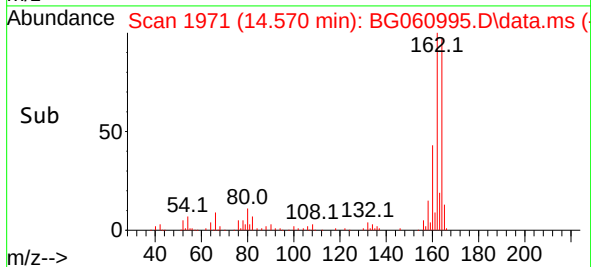
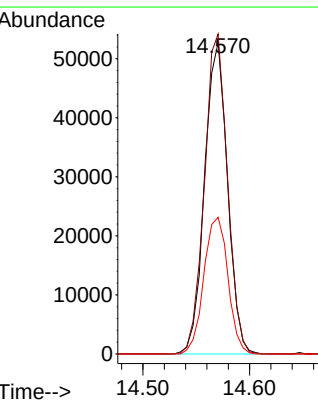
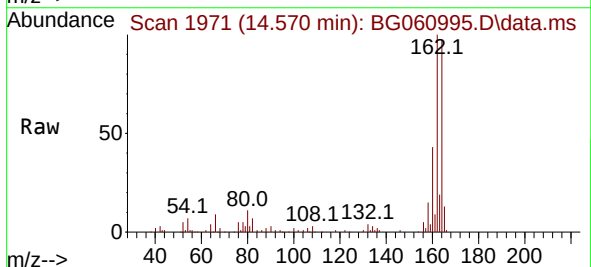
Tgt Ion:164 Resp: 78769

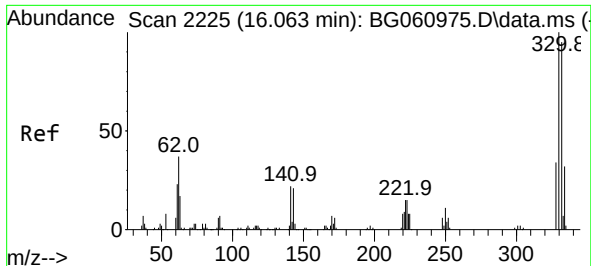
Ion Ratio Lower Upper

164 100

162 102.7 81.2 121.8

160 43.9 36.2 54.2





#42
2,4,6-Tribromophenol
Concen: 78.778 ng
RT: 16.057 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG060995.D
Acq: 22 Apr 2024 17:24

Instrument :

BNA_G

ClientSampleId :

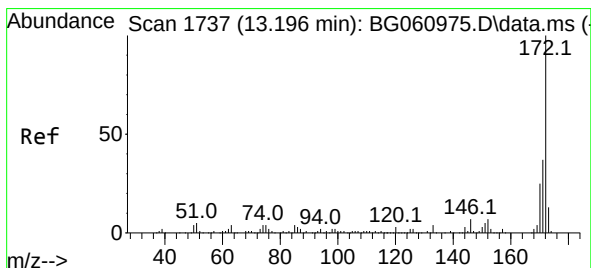
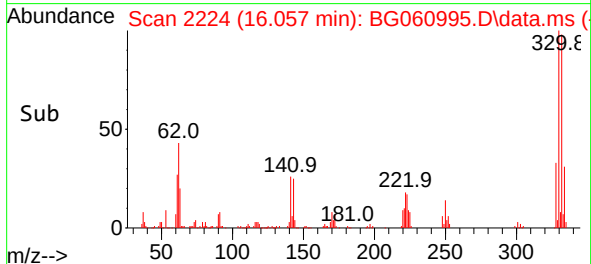
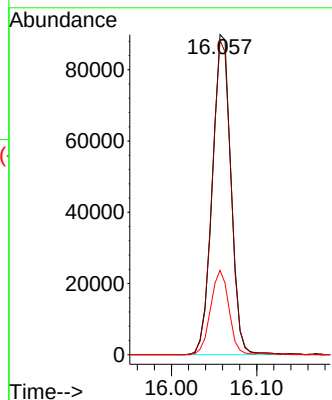
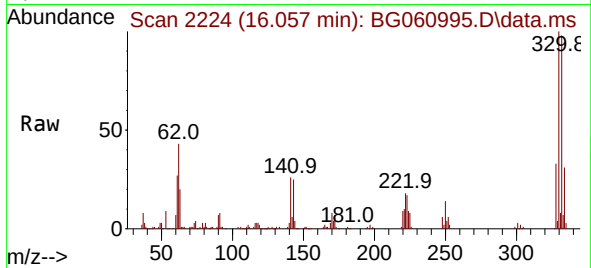
COMP-C

Tgt Ion:330 Resp: 13626
Ion Ratio Lower Upper
330 100
332 98.8 77.1 115.7
141 25.8 20.6 31.0

Manual Integrations

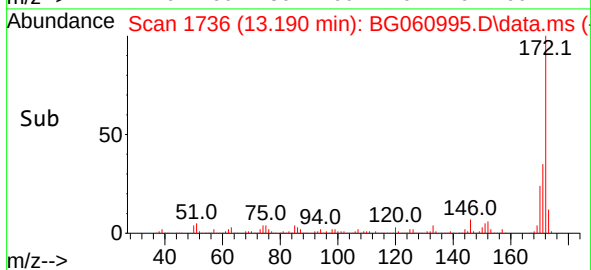
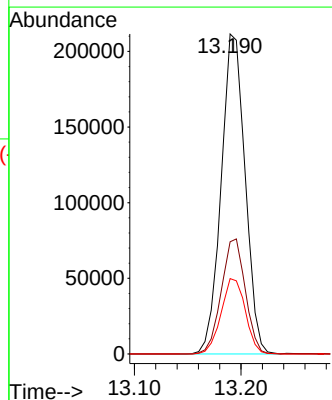
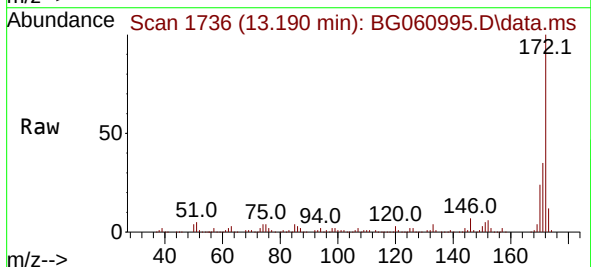
APPROVED

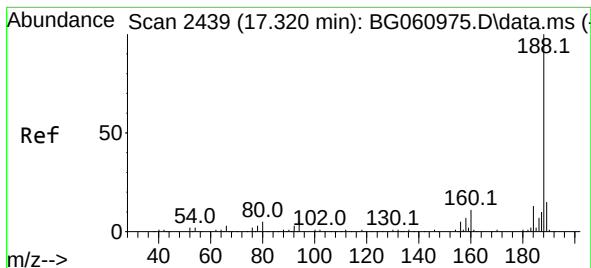
Reviewed By :Yogesh Patel 04/24/2024
Supervised By :mohammad ahmed 04/24/2024



#45
2-Fluorobiphenyl
Concen: 57.986 ng
RT: 13.190 min Scan# 1736
Delta R.T. -0.006 min
Lab File: BG060995.D
Acq: 22 Apr 2024 17:24

Tgt Ion:172 Resp: 330020
Ion Ratio Lower Upper
172 100
171 35.1 29.3 43.9
170 23.6 20.1 30.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.314 min Scan# 2438

Delta R.T. -0.006 min

Lab File: BG060995.D

Acq: 22 Apr 2024 17:24

Instrument :

BNA_G

ClientSampleId :

COMP-C

Tgt Ion:188 Resp: 185910

Ion Ratio Lower Upper

188 100

94 4.1 4.1 6.1

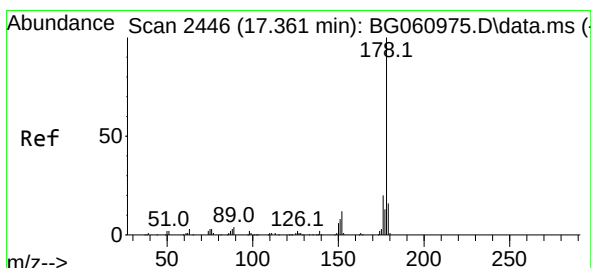
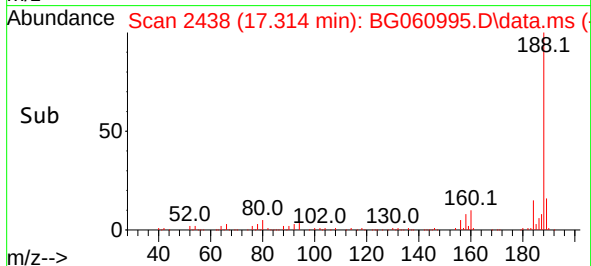
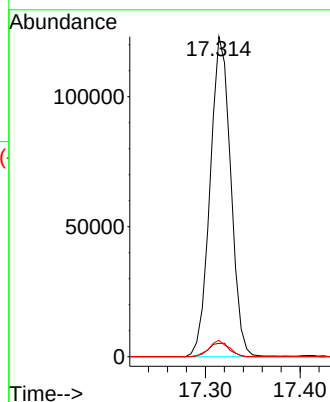
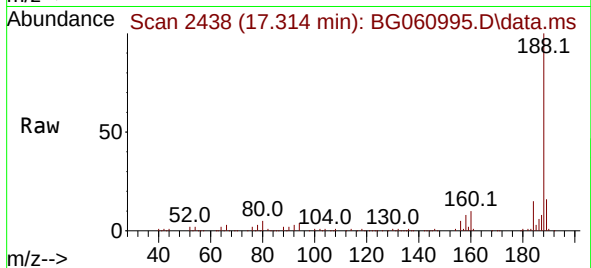
80 5.1 4.0 6.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/24/2024

Supervised By :mohammad ahmed 04/24/2024



#71

Phenanthrene

Concen: 2.925 ng

RT: 17.355 min Scan# 2445

Delta R.T. -0.006 min

Lab File: BG060995.D

Acq: 22 Apr 2024 17:24

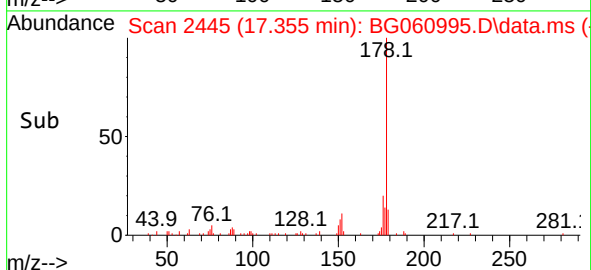
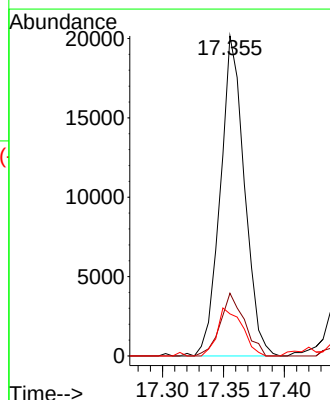
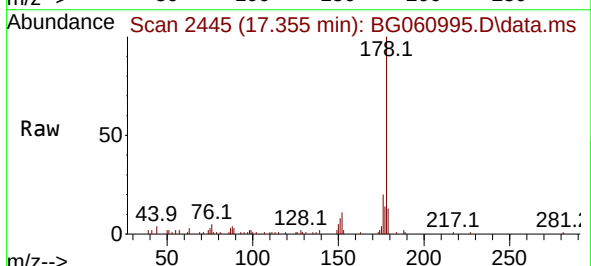
Tgt Ion:178 Resp: 27753

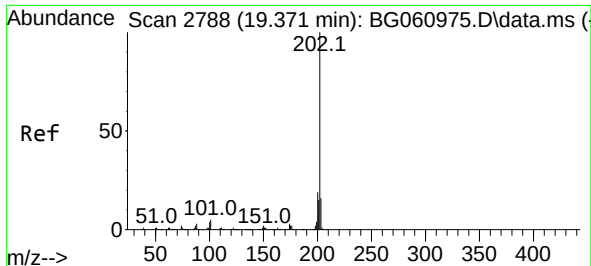
Ion Ratio Lower Upper

178 100

176 19.6 16.0 24.0

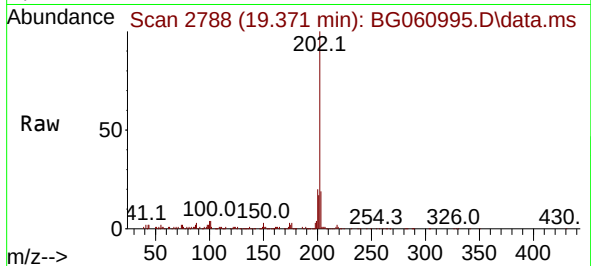
179 13.2 12.5 18.7





#75
Fluoranthene
Concen: 8.097 ng
RT: 19.371 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG060995.D
Acq: 22 Apr 2024 17:24

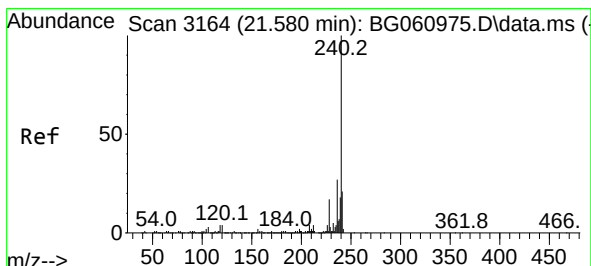
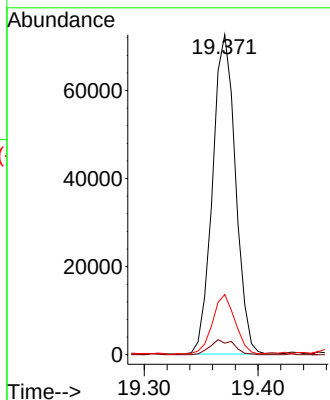
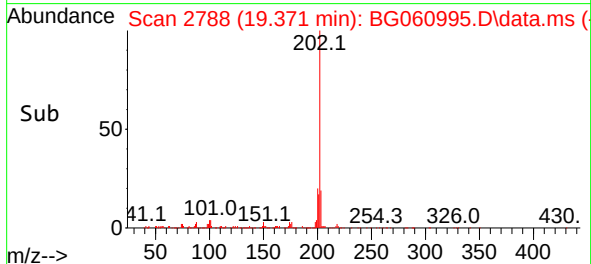
Instrument :
BNA_G
ClientSampleId :
COMP-C



Tgt Ion:202 Resp: 101974
Ion Ratio Lower Upper
202 100
101 3.6 0.0 24.9
203 18.8 0.0 36.2

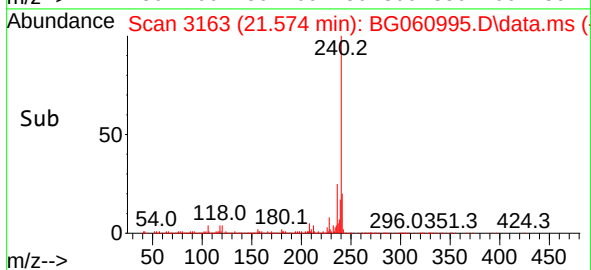
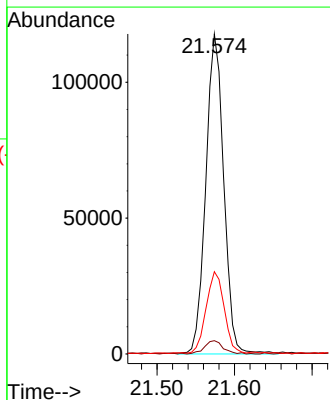
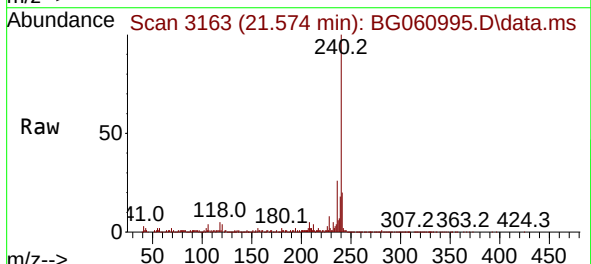
Manual Integrations
APPROVED

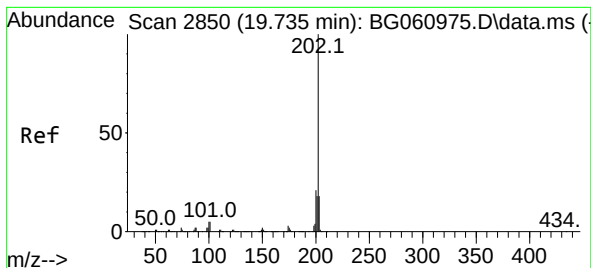
Reviewed By :Yogesh Patel 04/24/2024
Supervised By :mohammad ahmed 04/24/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.574 min Scan# 3163
Delta R.T. -0.006 min
Lab File: BG060995.D
Acq: 22 Apr 2024 17:24

Tgt Ion:240 Resp: 189534
Ion Ratio Lower Upper
240 100
120 4.1 3.0 4.6
236 25.7 21.8 32.6





#78

Pyrene

Concen: 7.342 ng

RT: 19.729 min Scan# 2849

Delta R.T. -0.006 min

Lab File: BG060995.D

Acq: 22 Apr 2024 17:24

Instrument :

BNA_G

ClientSampleId :

COMP-C

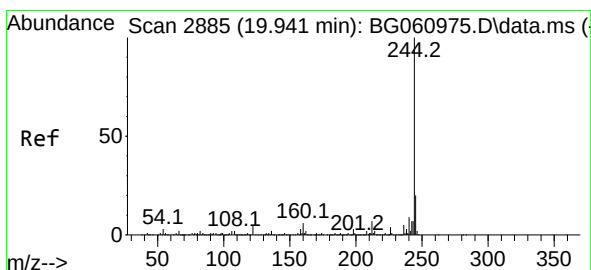
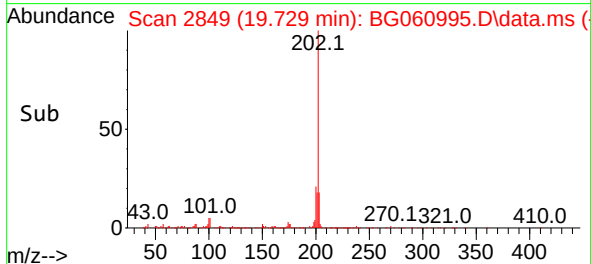
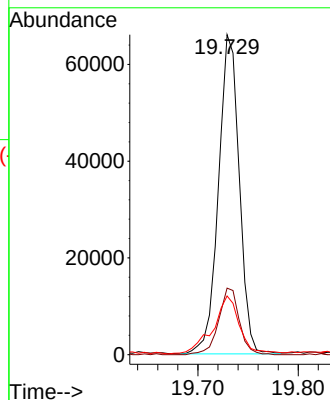
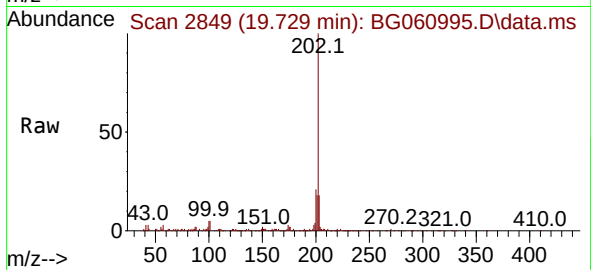
Tgt Ion:	202	Resp:	94749
Ion Ratio	Lower	Upper	
202	100		
200	20.8	16.8	25.2
203	18.4	14.2	21.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/24/2024

Supervised By :mohammad ahmed 04/24/2024



#79

Terphenyl-d14

Concen: 51.393 ng

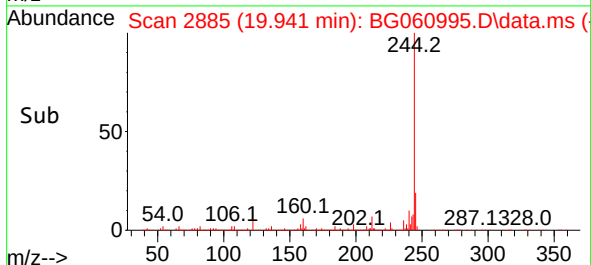
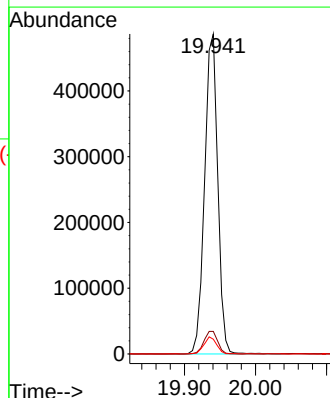
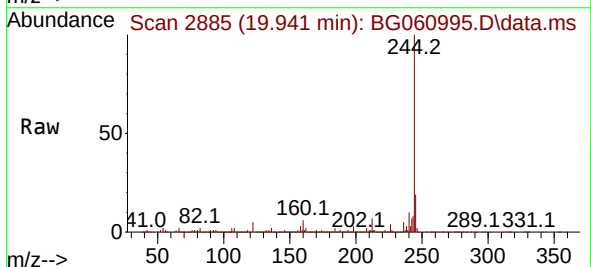
RT: 19.941 min Scan# 2885

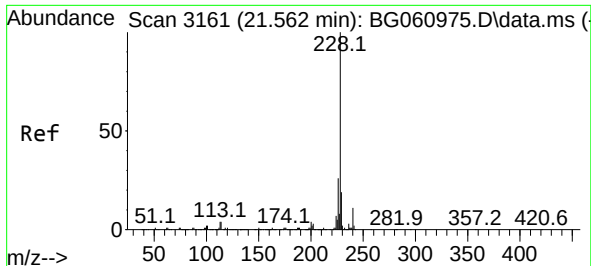
Delta R.T. -0.000 min

Lab File: BG060995.D

Acq: 22 Apr 2024 17:24

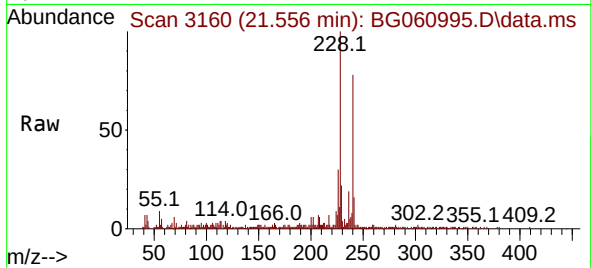
Tgt Ion:	244	Resp:	627533
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.9	8.9
122	4.6	4.2	6.2





#81
Benzo(a)anthracene
Concen: 4.359 ng
RT: 21.556 min Scan# 3160
Delta R.T. -0.006 min
Lab File: BG060995.D
Acq: 22 Apr 2024 17:24

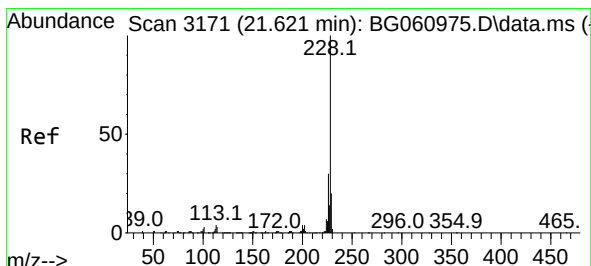
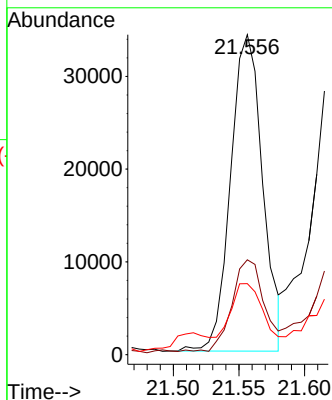
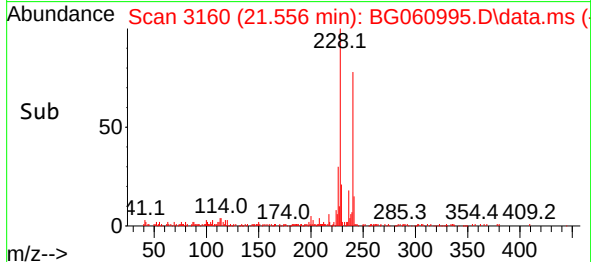
Instrument :
BNA_G
ClientSampleId :
COMP-C



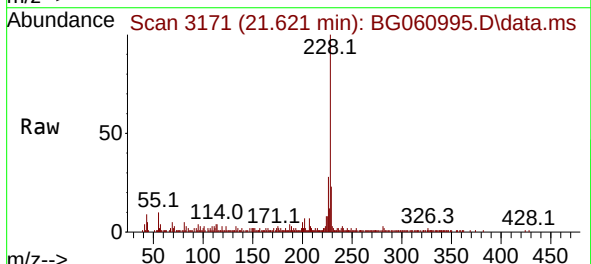
Tgt Ion:228 Resp: 5808
Ion Ratio Lower Upper
228 100
226 29.7 21.0 31.4
229 22.2 15.0 22.4

Manual Integrations
APPROVED

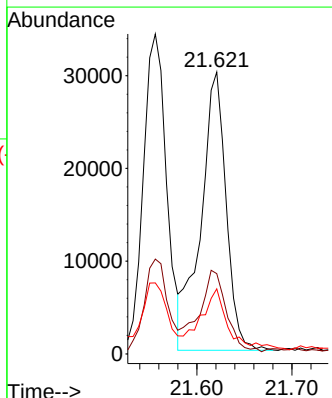
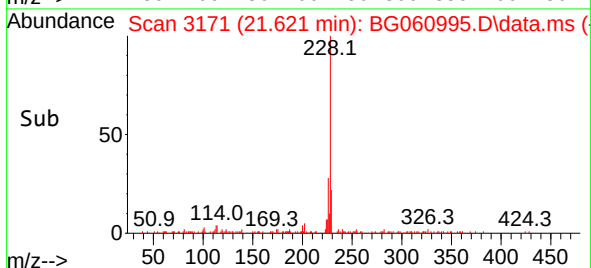
Reviewed By :Yogesh Patel 04/24/2024
Supervised By :mohammad ahmed 04/24/2024

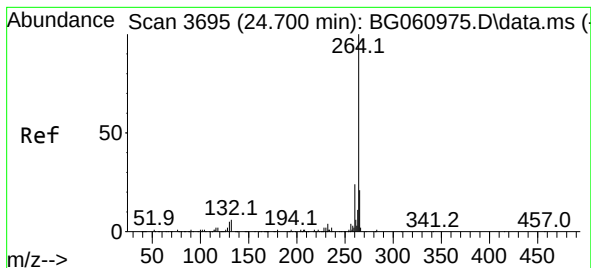


#83
Chrysene
Concen: 4.375 ng m
RT: 21.621 min Scan# 3171
Delta R.T. -0.000 min
Lab File: BG060995.D
Acq: 22 Apr 2024 17:24



Tgt Ion:228 Resp: 55499
Ion Ratio Lower Upper
228 100
226 28.5 24.2 36.2
229 23.1 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.706 min Scan# 30

Delta R.T. 0.006 min

Lab File: BG060995.D

Acq: 22 Apr 2024 17:24

Instrument :

BNA_G

ClientSampleId :

COMP-C

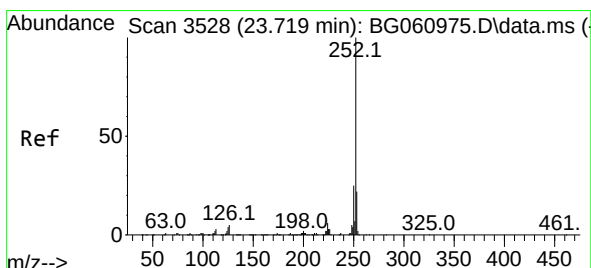
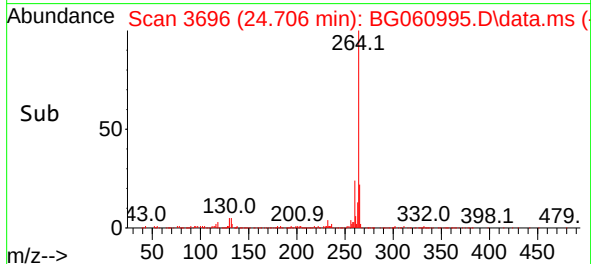
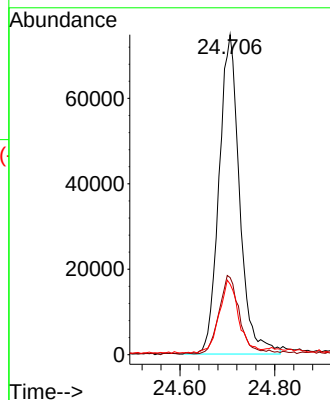
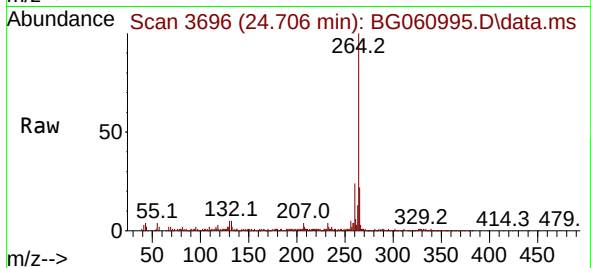
Tgt Ion:264 Resp: 224844
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.4 29.2
 265 22.0 17.0 25.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/24/2024

Supervised By :mohammad ahmed 04/24/2024



#88

Benzo(b)fluoranthene

Concen: 5.606 ng

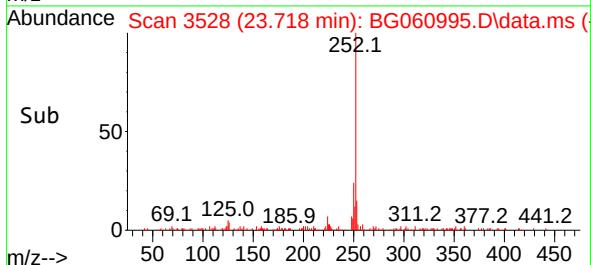
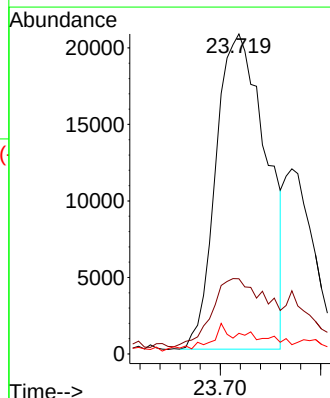
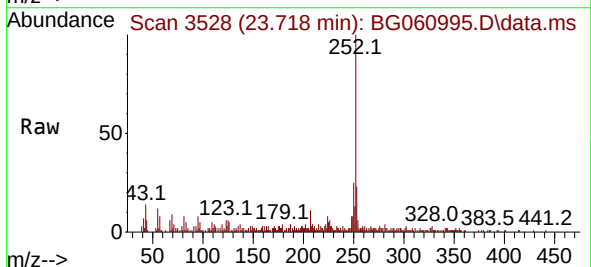
RT: 23.718 min Scan# 3528

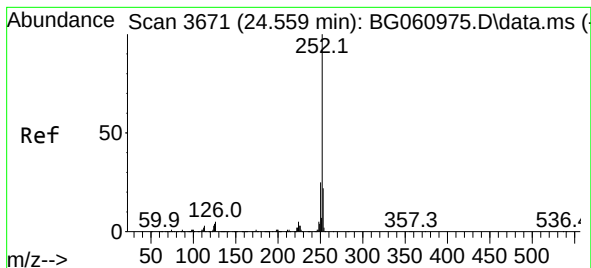
Delta R.T. -0.000 min

Lab File: BG060995.D

Acq: 22 Apr 2024 17:24

Tgt Ion:252 Resp: 71436
 Ion Ratio Lower Upper
 252 100
 253 23.5 17.5 26.3
 125 6.4 3.3 4.9#





#90

Benzo(a)pyrene

Concen: 3.985 ng

RT: 24.553 min Scan# 30

Delta R.T. -0.006 min

Lab File: BG060995.D

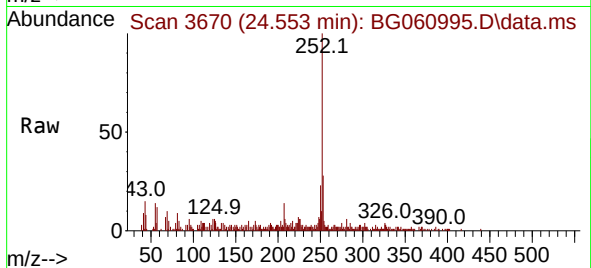
Acq: 22 Apr 2024 17:24

Instrument :

BNA_G

ClientSampleId :

COMP-C



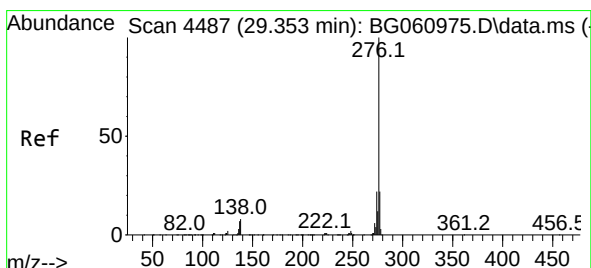
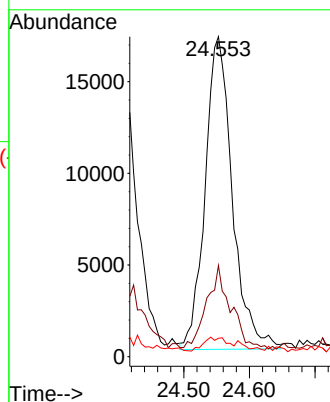
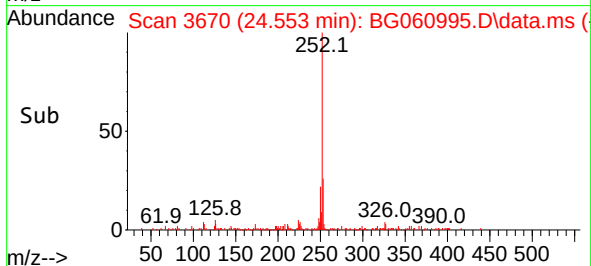
Tgt Ion:	252	Resp:	4915
Ion Ratio	Lower	Upper	
252	100		
253	28.5	17.7	26.5
125	5.7	3.6	5.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/24/2024

Supervised By :mohammad ahmed 04/24/2024



#92

Benzo(g,h,i)perylene

Concen: 2.351 ng m

RT: 29.341 min Scan# 4485

Delta R.T. -0.012 min

Lab File: BG060995.D

Acq: 22 Apr 2024 17:24

Tgt Ion:	276	Resp:	29707
Ion Ratio	Lower	Upper	
276	100		
277	27.7	18.0	27.0
138	8.3	6.5	9.7

