

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072823\
 Data File : BG058526.D
 Acq On : 28 Jul 2023 20:23
 Operator : MA/JU
 Sample : 03580-03 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SAMPLE-2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/29/2023
 Supervised By :mohammad ahmed 07/29/2023

Quant Time: Jul 28 22:56:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 28 22:29:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.815	152	55341	20.000	ng	0.00
21) Naphthalene-d8	10.617	136	227169	20.000	ng	0.00
39) Acenaphthene-d10	14.460	164	155573	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	344626	20.000	ng	0.00
76) Chrysene-d12	21.446	240	298818	20.000	ng	0.00
86) Perylene-d12	24.513	264	373258	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.388	112	287136	79.304	ng	0.00
7) Phenol-d6	6.986	99	395230	78.447	ng	0.00
23) Nitrobenzene-d5	8.978	82	233367	50.466	ng	0.00
42) 2,4,6-Tribromophenol	15.952	330	169011	66.280	ng	0.00
45) 2-Fluorobiphenyl	13.079	172	542989	52.305	ng	0.00
79) Terphenyl-d14	19.824	244	852723	53.664	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.245	178	152171	9.311	ng	100
72) Anthracene	17.339	178	36949	2.203	ng	98
75) Fluoranthene	19.260	202	348977	17.776	ng	98
78) Pyrene	19.624	202	331492	16.301	ng	99
81) Benzo(a)anthracene	21.428	228	187314	9.109	ng	98
83) Chrysene	21.487	228	168787	8.561	ng	97
87) Indeno(1,2,3-cd)pyrene	27.997	276	124115	4.998	ng	94
88) Benzo(b)fluoranthene	23.543	252	236649	11.689	ng	# 97
89) Benzo(k)fluoranthene	23.596	252	78169m	3.844	ng	
90) Benzo(a)pyrene	24.366	252	173048	8.704	ng	98
92) Benzo(g,h,i)perylene	29.084	276	128996	6.265	ng	99

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

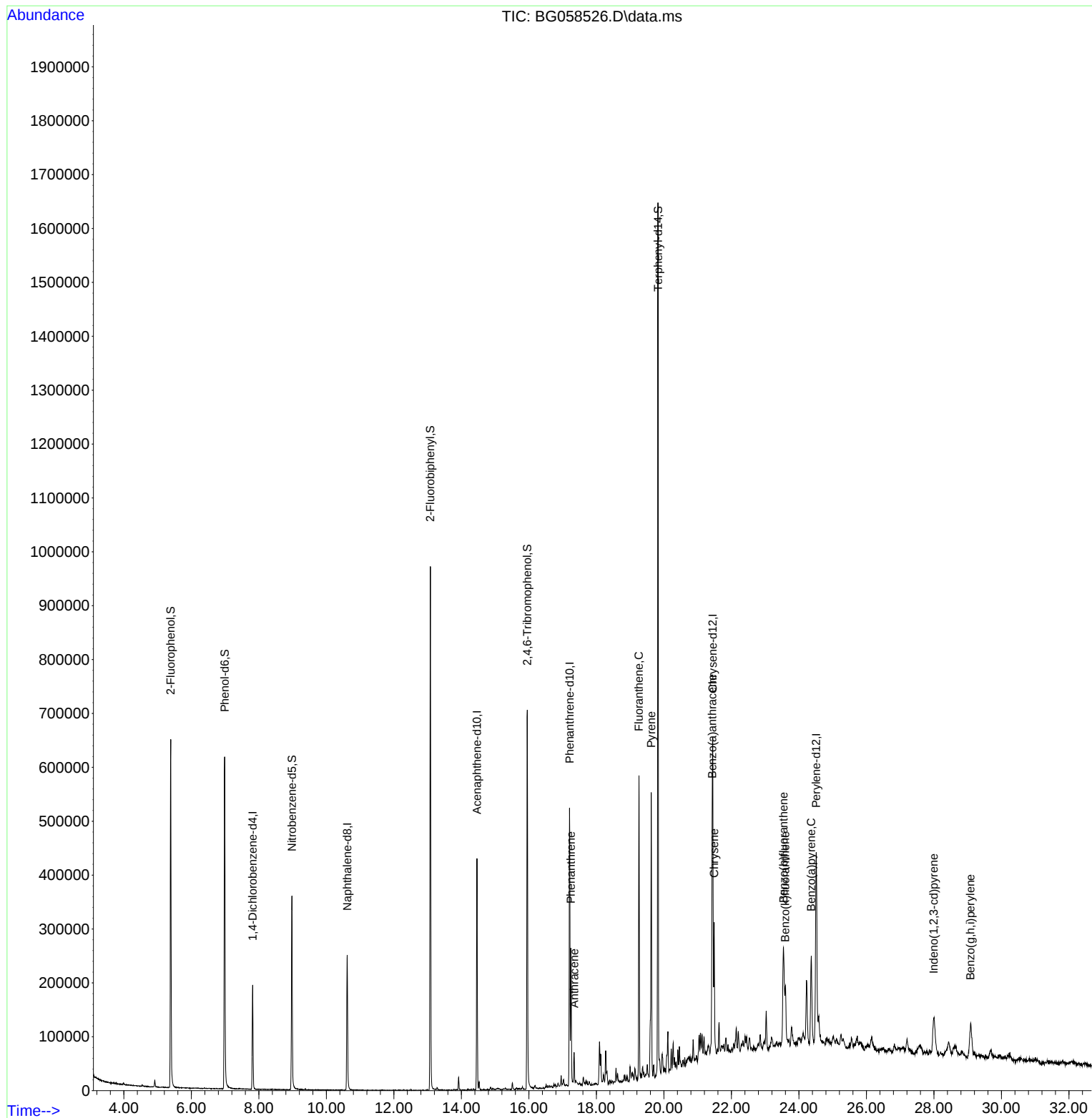
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072823\
Data File : BG058526.D
Acq On : 28 Jul 2023 20:23
Operator : MA/JU
Sample : 03580-03 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

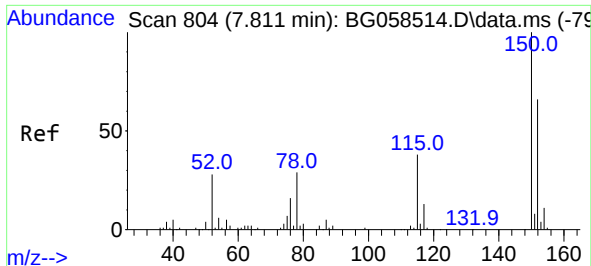
Instrument :
BNA_G
ClientSampleId :
SAMPLE-2

Quant Time: Jul 28 22:56:00 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG072823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 28 22:29:07 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

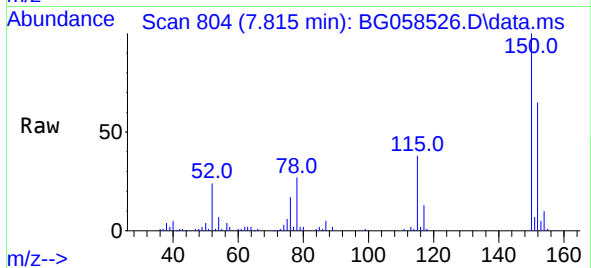
Reviewed By :Yogesh Patel 07/29/2023
Supervised By :mohammad ahmed 07/29/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.815 min Scan# 804
Delta R.T. 0.004 min
Lab File: BG058526.D
Acq: 28 Jul 2023 20:23

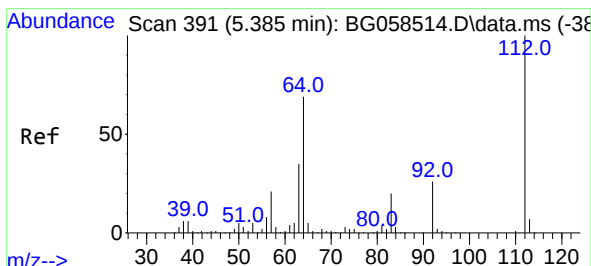
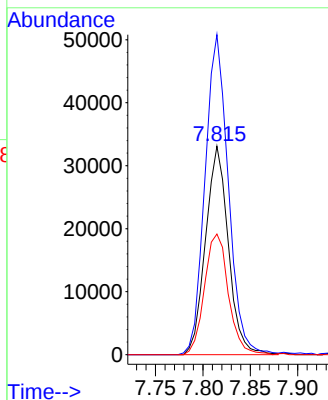
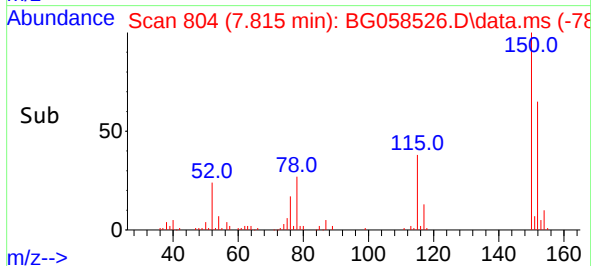
Instrument :
BNA_G
ClientSampleId :
SAMPLE-2



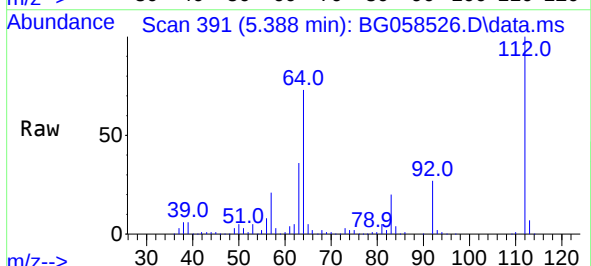
Tgt Ion:152 Resp: 5534
Ion Ratio Lower Upper
152 100
150 153.4 120.5 180.7
115 57.9 45.9 68.9

Manual Integrations
APPROVED

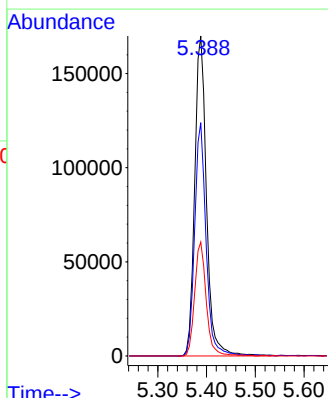
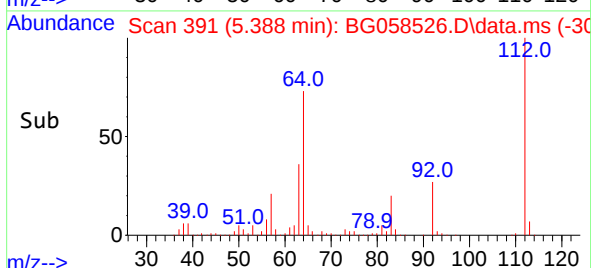
Reviewed By :Yogesh Patel 07/29/2023
Supervised By :mohammad ahmed 07/29/2023

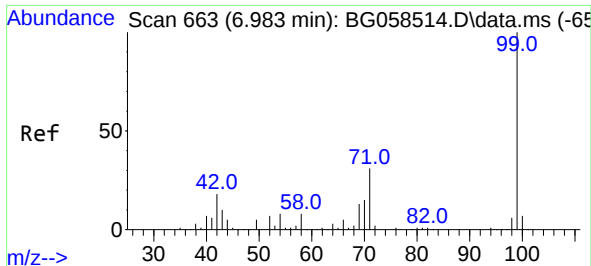


#5
2-Fluorophenol
Concen: 79.304 ng
RT: 5.388 min Scan# 391
Delta R.T. 0.004 min
Lab File: BG058526.D
Acq: 28 Jul 2023 20:23



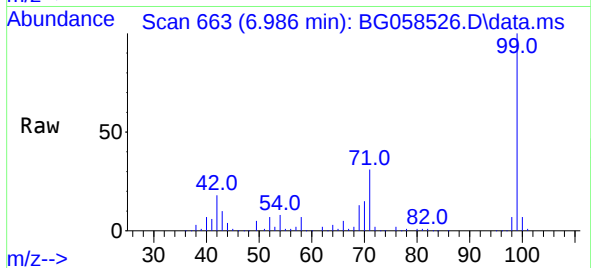
Tgt Ion:112 Resp: 287136
Ion Ratio Lower Upper
112 100
64 72.9 55.3 82.9
63 35.6 28.3 42.5





#7
Phenol-d6
Concen: 78.447 ng
RT: 6.986 min Scan# 60
Delta R.T. 0.004 min
Lab File: BG058526.D
Acq: 28 Jul 2023 20:23

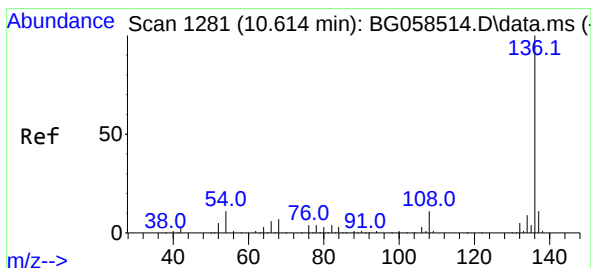
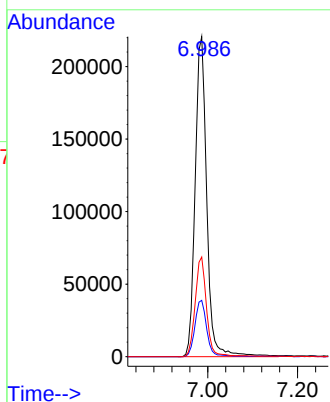
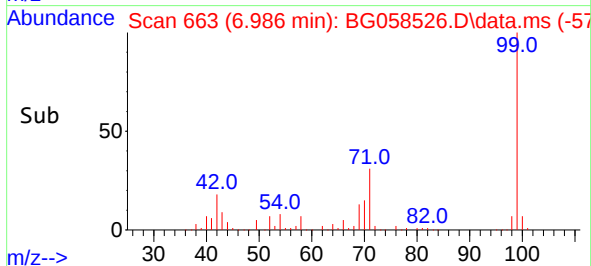
Instrument :
BNA_G
ClientSampleId :
SAMPLE-2



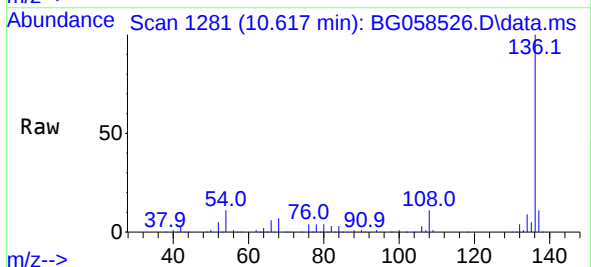
Tgt Ion: 99 Resp: 395230
Ion Ratio Lower Upper
99 100
42 17.6 14.6 21.8
71 31.1 25.0 37.4

Manual Integrations
APPROVED

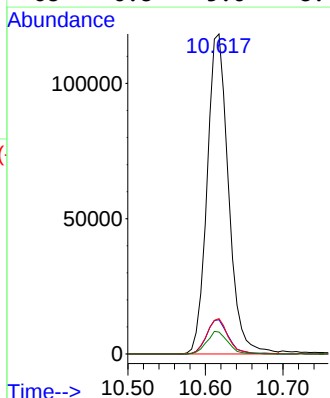
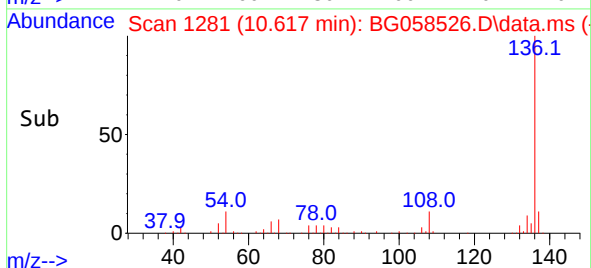
Reviewed By :Yogesh Patel 07/29/2023
Supervised By :mohammad ahmed 07/29/2023

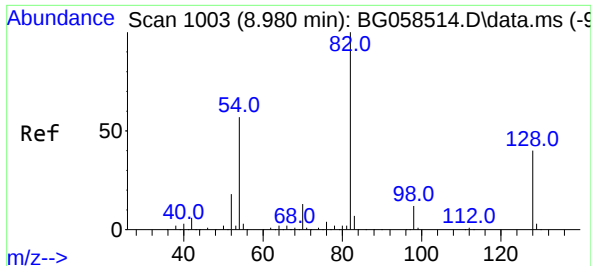


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.617 min Scan# 1281
Delta R.T. 0.004 min
Lab File: BG058526.D
Acq: 28 Jul 2023 20:23



Tgt Ion:136 Resp: 227169
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 11.0 8.9 13.3
68 6.8 5.6 8.4





#23

Nitrobenzene-d5

Concen: 50.466 ng

RT: 8.978 min Scan# 1003

Delta R.T. -0.002 min

Lab File: BG058526.D

Acq: 28 Jul 2023 20:23

Instrument :

BNA_G

ClientSampleId :

SAMPLE-2

Tgt Ion: 82 Resp: 23336

Ion Ratio Lower Upper

82 100

128 38.5 32.2 48.2

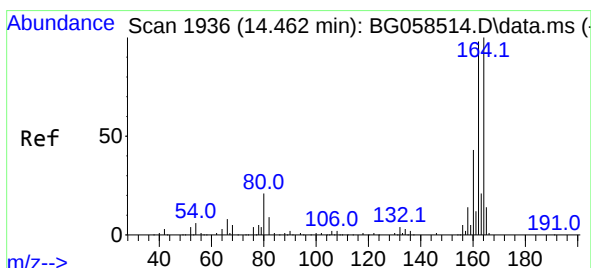
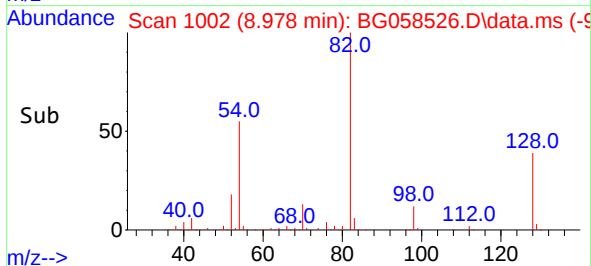
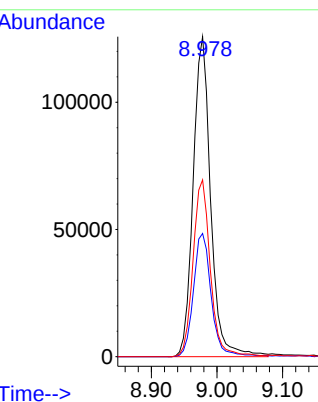
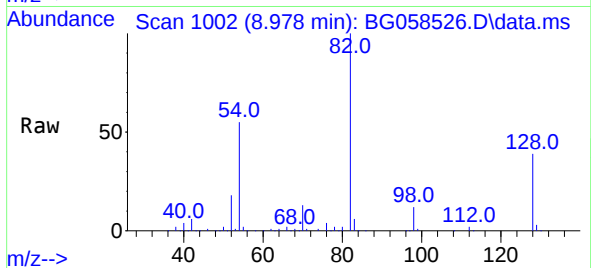
54 55.3 46.0 69.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/29/2023

Supervised By :mohammad ahmed 07/29/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.460 min Scan# 1935

Delta R.T. -0.002 min

Lab File: BG058526.D

Acq: 28 Jul 2023 20:23

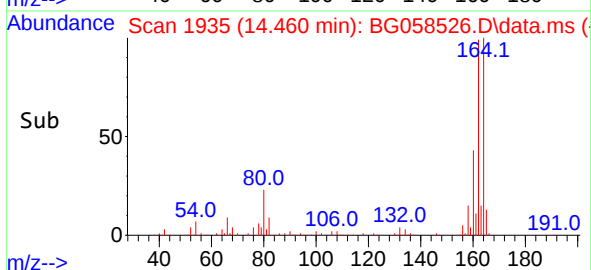
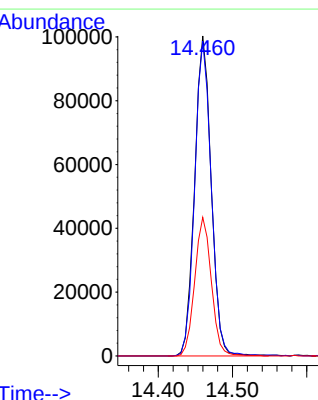
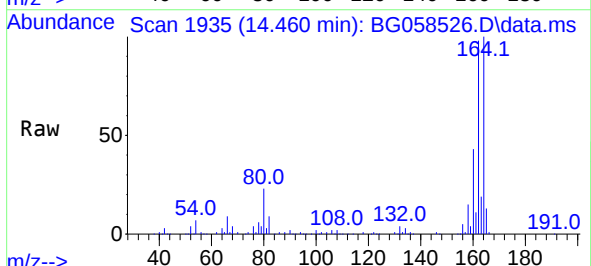
Tgt Ion:164 Resp: 155573

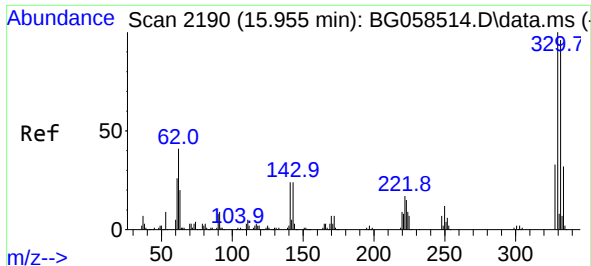
Ion Ratio Lower Upper

164 100

162 98.3 78.3 117.5

160 43.3 34.1 51.1





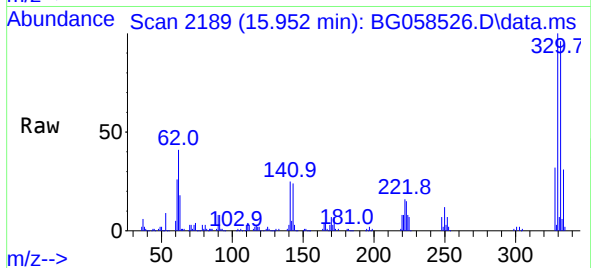
#42
2,4,6-Tribromophenol
Concen: 66.280 ng
RT: 15.952 min Scan# 2190
Delta R.T. -0.002 min
Lab File: BG058526.D
Acq: 28 Jul 2023 20:23

Instrument :

BNA_G

ClientSampleId :

SAMPLE-2



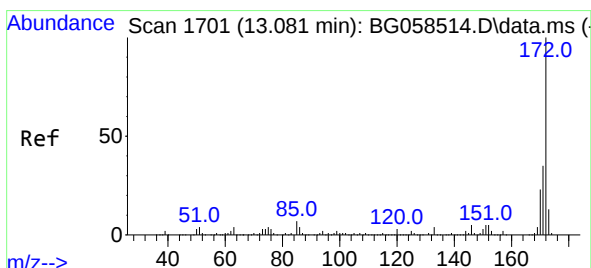
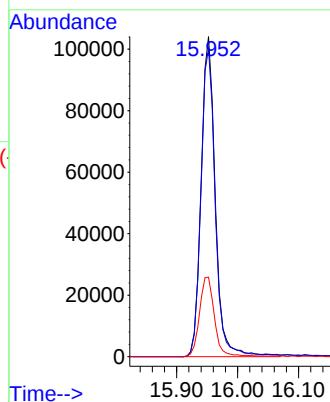
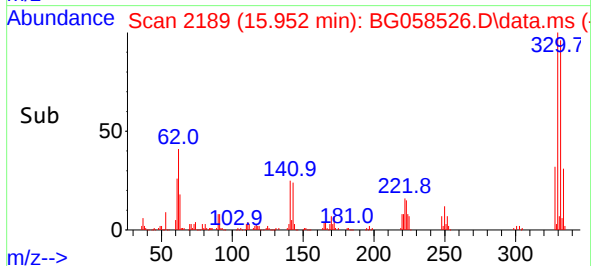
Tgt Ion:330 Resp: 16901
Ion Ratio Lower Upper
330 100
332 95.9 77.5 116.3
141 26.1 20.7 31.1

Manual Integrations

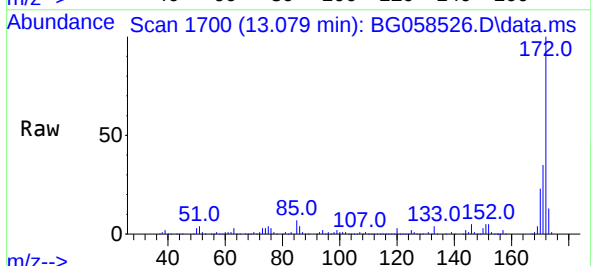
APPROVED

Reviewed By :Yogesh Patel 07/29/2023

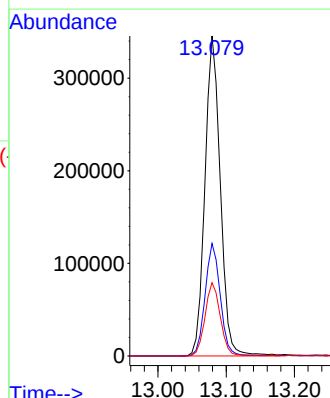
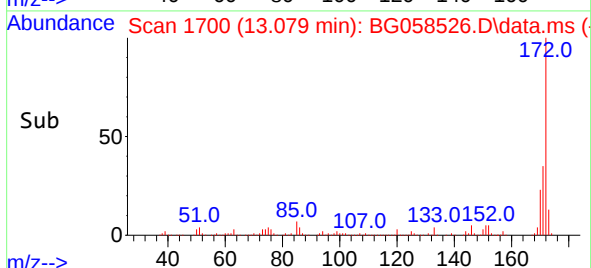
Supervised By :mohammad ahmed 07/29/2023

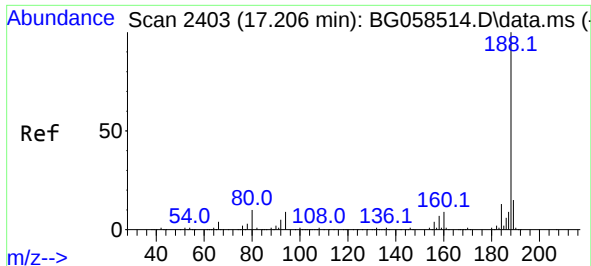


#45
2-Fluorobiphenyl
Concen: 52.305 ng
RT: 13.079 min Scan# 1700
Delta R.T. -0.002 min
Lab File: BG058526.D
Acq: 28 Jul 2023 20:23



Tgt Ion:172 Resp: 542989
Ion Ratio Lower Upper
172 100
171 35.1 28.0 42.0
170 22.9 18.4 27.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2403
Delta R.T. -0.002 min
Lab File: BG058526.D
Acq: 28 Jul 2023 20:23

Instrument :

BNA_G

ClientSampleId :

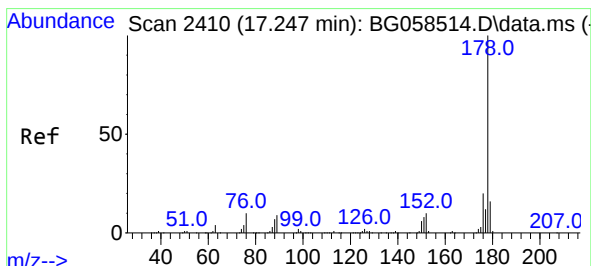
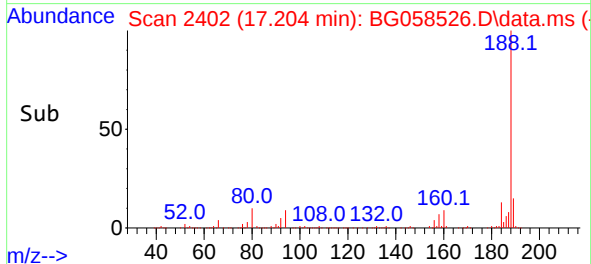
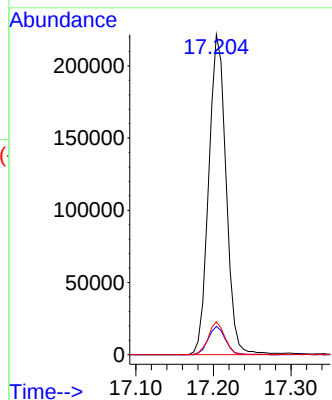
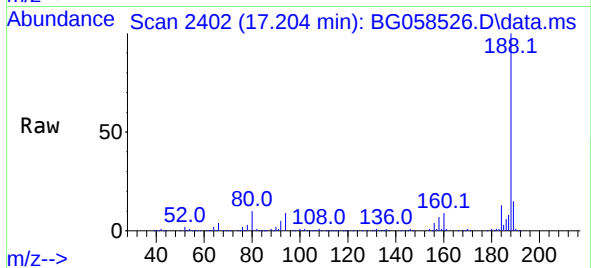
SAMPLE-2

Tgt Ion:188 Resp: 344620
Ion Ratio Lower Upper
188 100
94 8.8 7.0 10.6
80 10.3 8.1 12.1

Manual Integrations

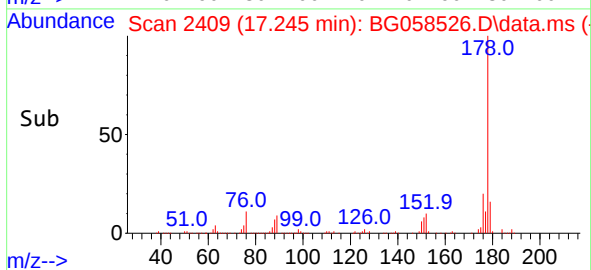
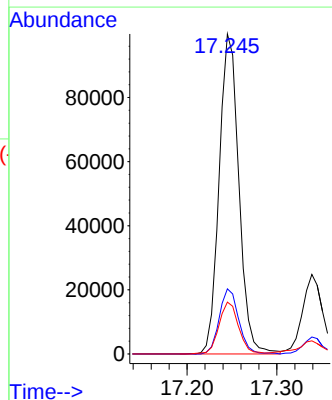
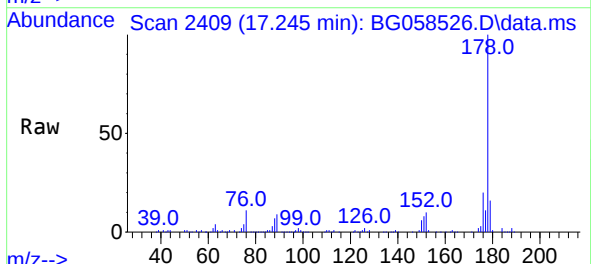
APPROVED

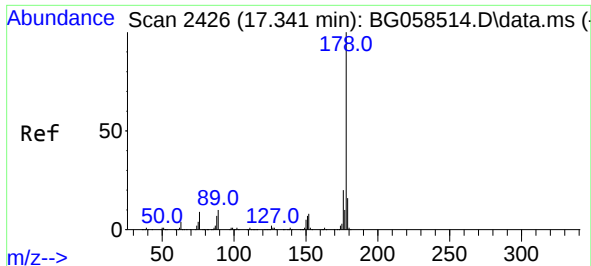
Reviewed By :Yogesh Patel 07/29/2023
Supervised By :mohammad ahmed 07/29/2023



#71
Phenanthrene
Concen: 9.311 ng
RT: 17.245 min Scan# 2409
Delta R.T. -0.002 min
Lab File: BG058526.D
Acq: 28 Jul 2023 20:23

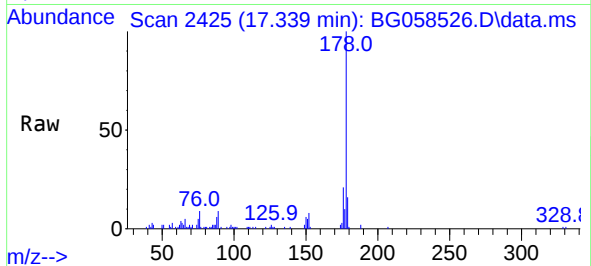
Tgt Ion:178 Resp: 152171
Ion Ratio Lower Upper
178 100
176 20.3 16.3 24.5
179 16.2 13.1 19.7





#72
 Anthracene
 Concen: 2.203 ng
 RT: 17.339 min Scan# 2426
 Delta R.T. -0.002 min
 Lab File: BG058526.D
 Acq: 28 Jul 2023 20:23

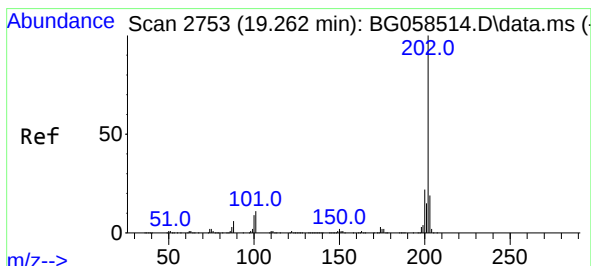
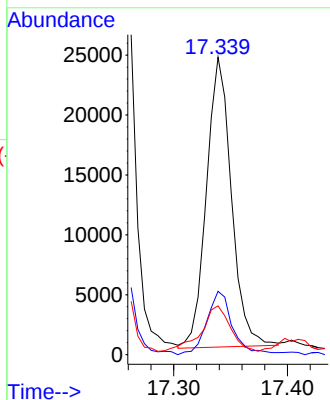
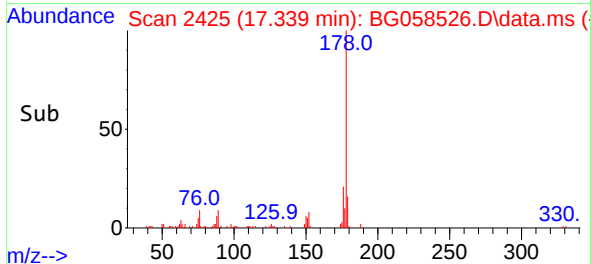
Instrument :
 BNA_G
 ClientSampleId :
 SAMPLE-2



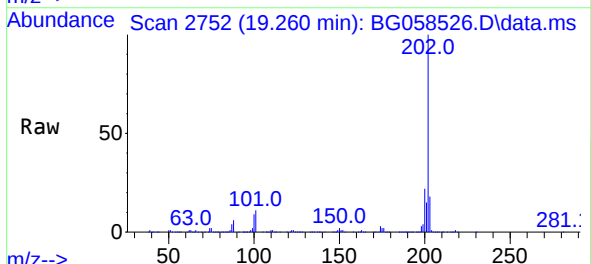
Tgt Ion:178 Resp: 36949
 Ion Ratio Lower Upper
 178 100
 176 21.3 16.0 24.0
 179 16.4 12.9 19.3

Manual Integrations
 APPROVED

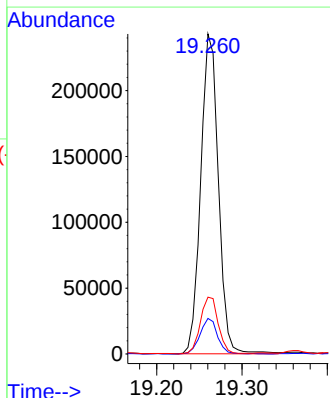
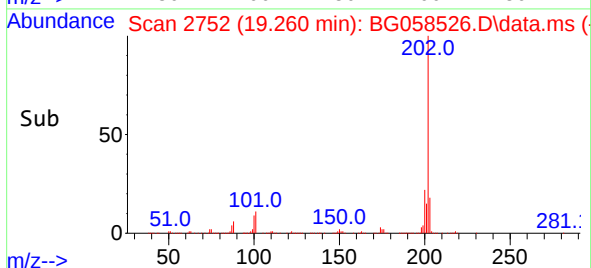
Reviewed By :Yogesh Patel 07/29/2023
 Supervised By :mohammad ahmed 07/29/2023

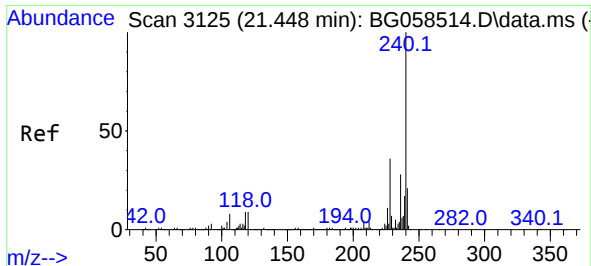


#75
 Fluoranthene
 Concen: 17.776 ng
 RT: 19.260 min Scan# 2752
 Delta R.T. -0.002 min
 Lab File: BG058526.D
 Acq: 28 Jul 2023 20:23



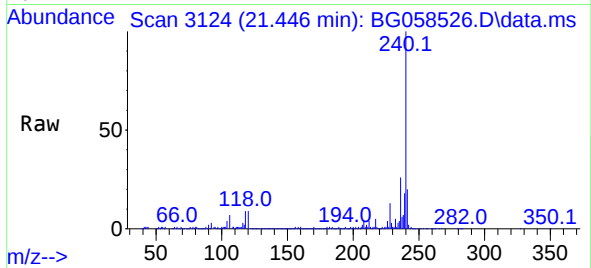
Tgt Ion:202 Resp: 348977
 Ion Ratio Lower Upper
 202 100
 101 11.1 0.0 31.4
 203 17.8 0.0 39.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.446 min Scan# 3125
Delta R.T. -0.002 min
Lab File: BG058526.D
Acq: 28 Jul 2023 20:23

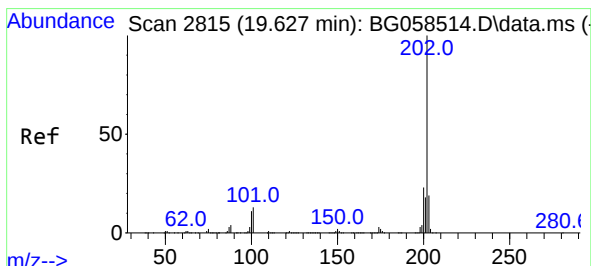
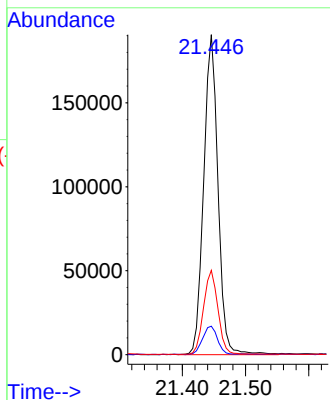
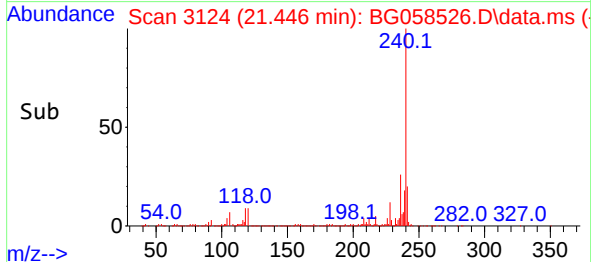
Instrument :
BNA_G
ClientSampleId :
SAMPLE-2



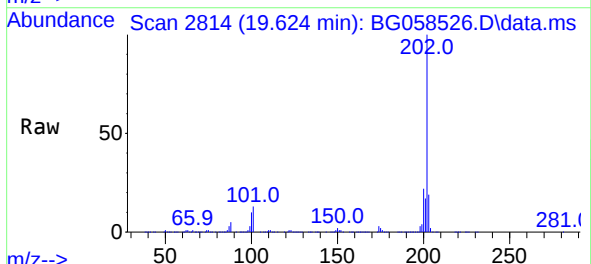
Tgt Ion:240 Resp: 298818
Ion Ratio Lower Upper
240 100
120 8.9 7.4 11.0
236 26.4 22.2 33.4

Manual Integrations
APPROVED

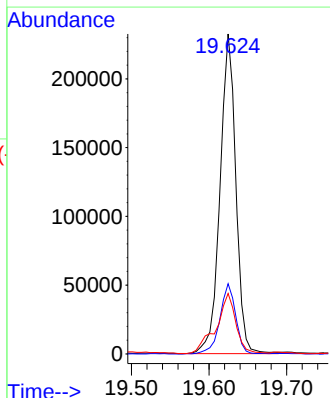
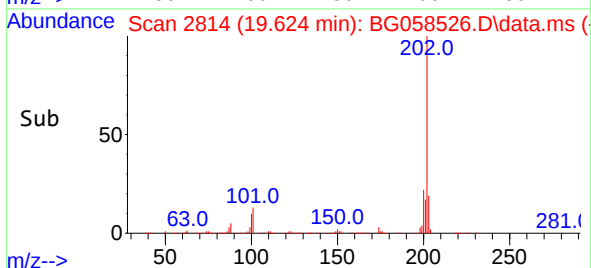
Reviewed By :Yogesh Patel 07/29/2023
Supervised By :mohammad ahmed 07/29/2023

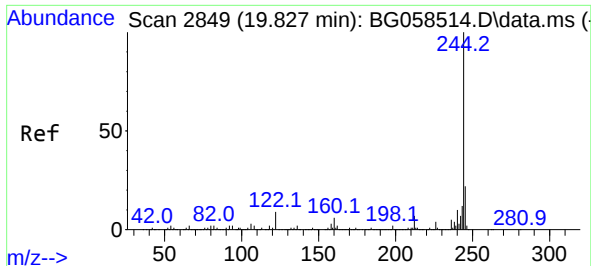


#78
Pyrene
Concen: 16.301 ng
RT: 19.624 min Scan# 2814
Delta R.T. -0.002 min
Lab File: BG058526.D
Acq: 28 Jul 2023 20:23



Tgt Ion:202 Resp: 331492
Ion Ratio Lower Upper
202 100
200 22.0 18.2 27.2
203 18.9 15.1 22.7





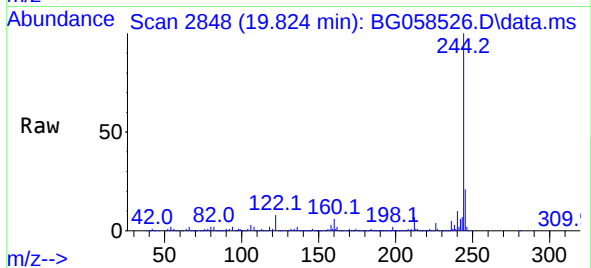
#79
 Terphenyl-d14
 Concen: 53.664 ng
 RT: 19.824 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BG058526.D
 Acq: 28 Jul 2023 20:23

Instrument :

BNA_G

ClientSampleId :

SAMPLE-2

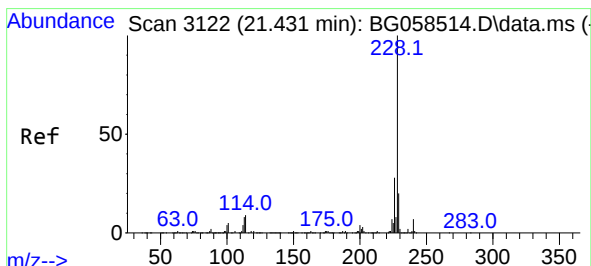
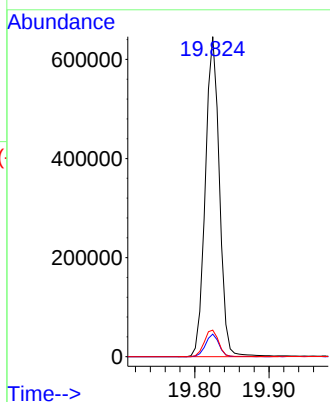
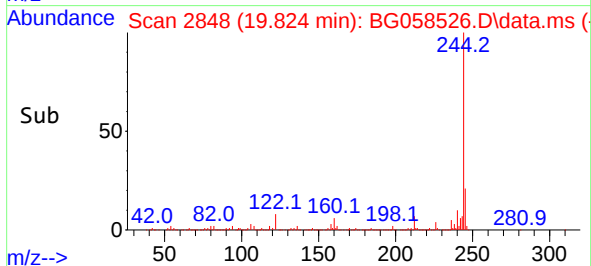


Tgt Ion:244 Resp: 85272
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.9 8.9
 122 8.3 6.8 10.2

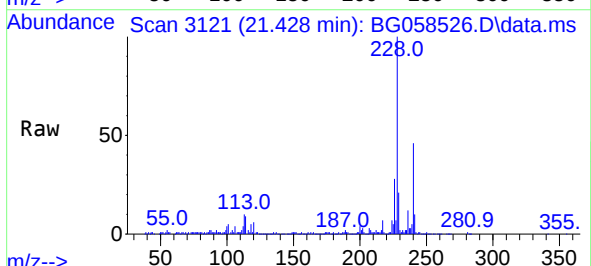
Manual Integrations

APPROVED

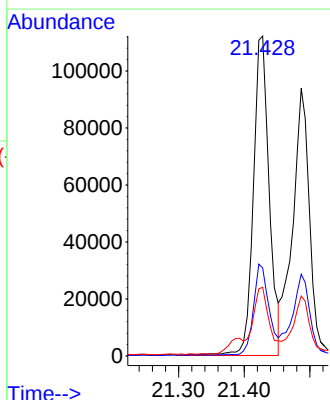
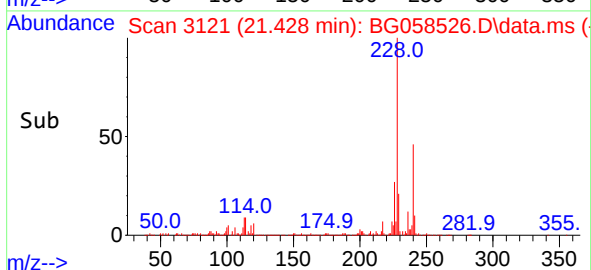
Reviewed By :Yogesh Patel 07/29/2023
 Supervised By :mohammad ahmed 07/29/2023

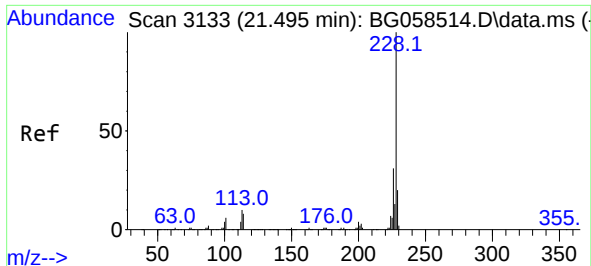


#81
 Benzo(a)anthracene
 Concen: 9.109 ng
 RT: 21.428 min Scan# 3121
 Delta R.T. -0.002 min
 Lab File: BG058526.D
 Acq: 28 Jul 2023 20:23



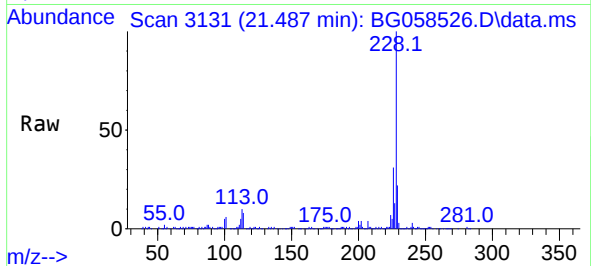
Tgt Ion:228 Resp: 187314
 Ion Ratio Lower Upper
 228 100
 226 27.5 22.6 33.8
 229 21.4 16.3 24.5





#83
Chrysene
Concen: 8.561 ng
RT: 21.487 min Scan# 3133
Delta R.T. -0.008 min
Lab File: BG058526.D
Acq: 28 Jul 2023 20:23

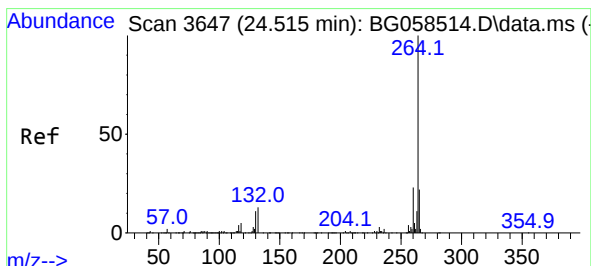
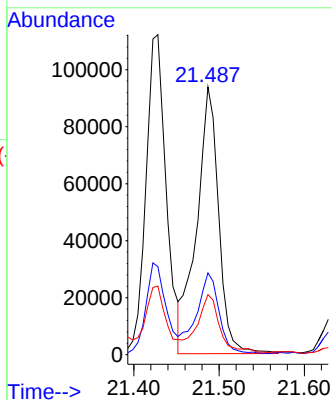
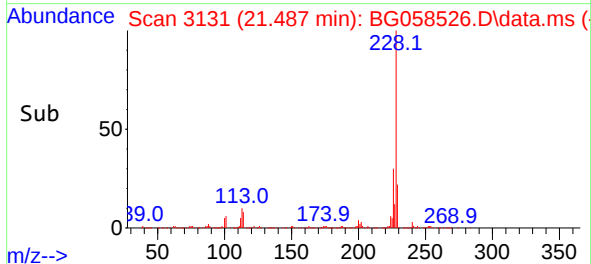
Instrument :
BNA_G
ClientSampleId :
SAMPLE-2



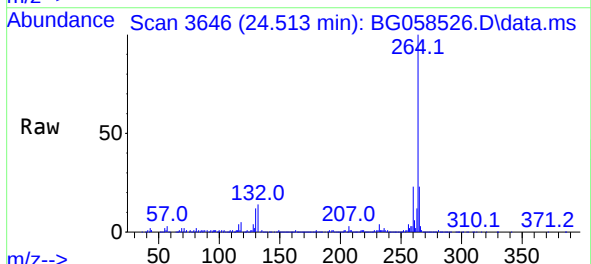
Tgt Ion:228 Resp: 16878
Ion Ratio Lower Upper
228 100
226 30.5 25.0 37.6
229 22.4 16.3 24.5

Manual Integrations
APPROVED

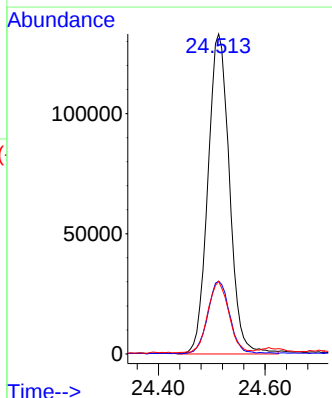
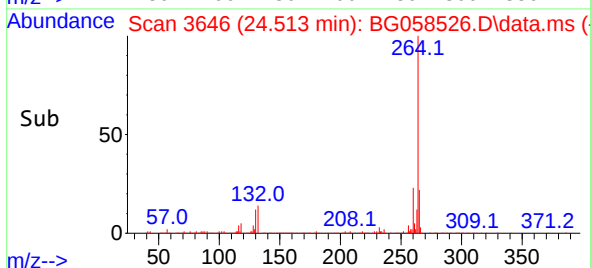
Reviewed By :Yogesh Patel 07/29/2023
Supervised By :mohammad ahmed 07/29/2023

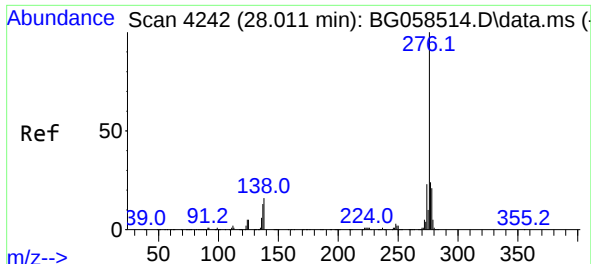


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.513 min Scan# 3646
Delta R.T. -0.002 min
Lab File: BG058526.D
Acq: 28 Jul 2023 20:23



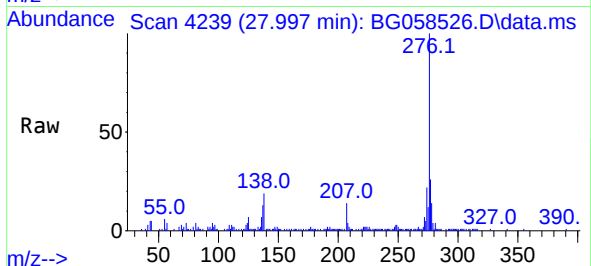
Tgt Ion:264 Resp: 373258
Ion Ratio Lower Upper
264 100
260 22.7 18.4 27.6
265 22.7 17.9 26.9





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.998 ng
RT: 27.997 min Scan# 4239
Delta R.T. -0.014 min
Lab File: BG058526.D
Acq: 28 Jul 2023 20:23

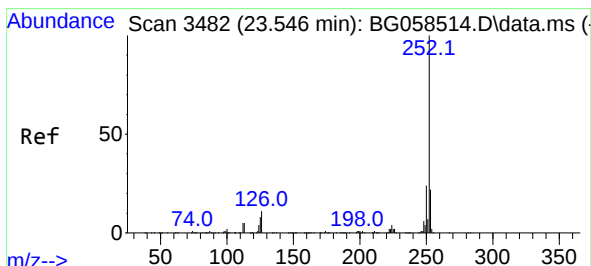
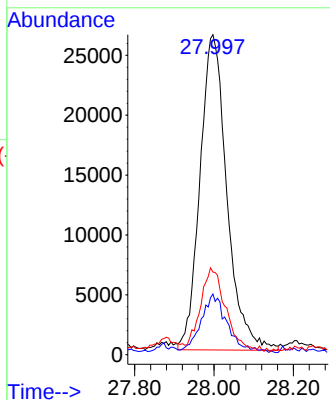
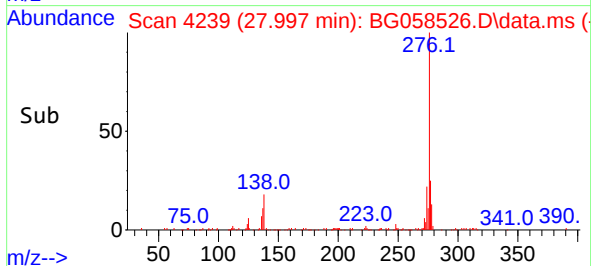
Instrument :
BNA_G
ClientSampleId :
SAMPLE-2



Tgt Ion:276 Resp: 12411
Ion Ratio Lower Upper
276 100
138 16.1 16.0 24.0
277 23.4 20.4 30.6

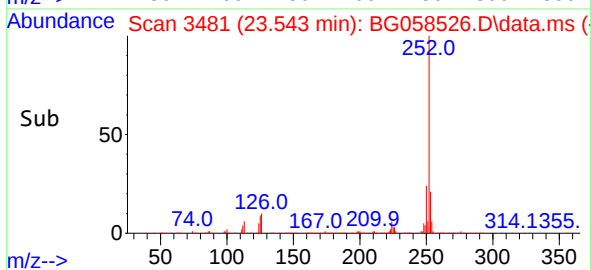
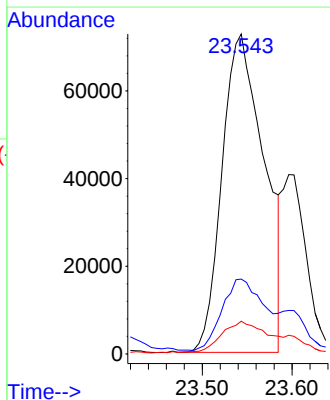
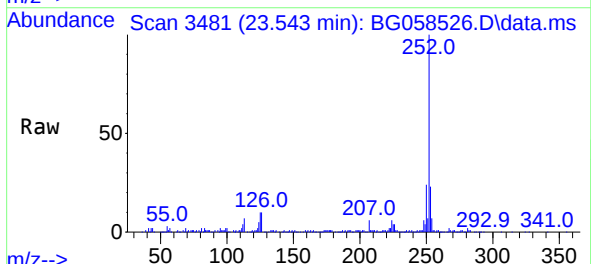
Manual Integrations
APPROVED

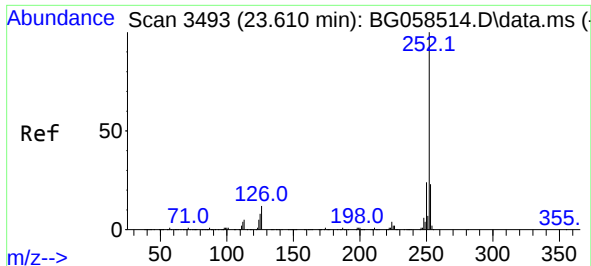
Reviewed By :Yogesh Patel 07/29/2023
Supervised By :mohammad ahmed 07/29/2023



#88
Benzo(b)fluoranthene
Concen: 11.689 ng
RT: 23.543 min Scan# 3481
Delta R.T. -0.002 min
Lab File: BG058526.D
Acq: 28 Jul 2023 20:23

Tgt Ion:252 Resp: 236649
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.8
125 10.3 6.6 9.8#





#89

Benzo(k)fluoranthene

Concen: 3.844 ng m

RT: 23.596 min Scan# 34

Delta R.T. -0.014 min

Lab File: BG058526.D

Acq: 28 Jul 2023 20:23

Instrument :

BNA_G

ClientSampleId :

SAMPLE-2

Tgt Ion:252 Resp: 7816

Ion Ratio Lower Upper

252 100

253 24.2 17.9 26.9

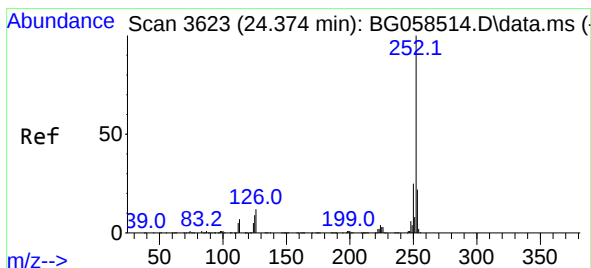
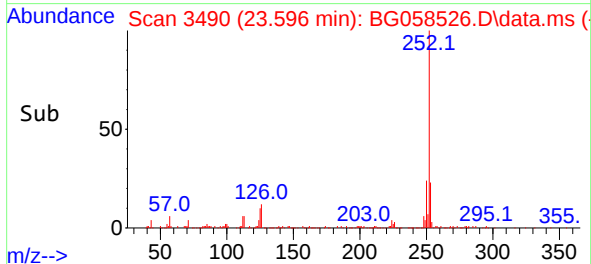
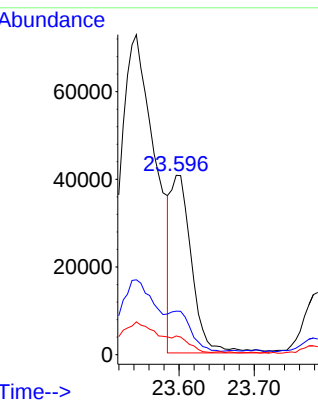
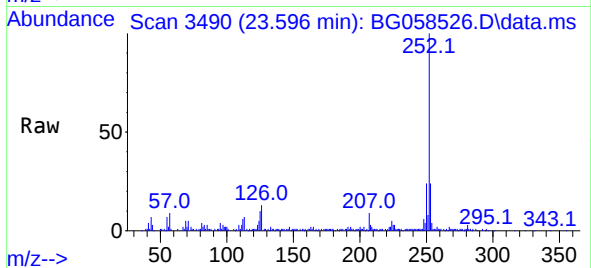
125 10.4 6.6 10.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/29/2023

Supervised By :mohammad ahmed 07/29/2023



#90

Benzo(a)pyrene

Concen: 8.704 ng

RT: 24.366 min Scan# 3621

Delta R.T. -0.008 min

Lab File: BG058526.D

Acq: 28 Jul 2023 20:23

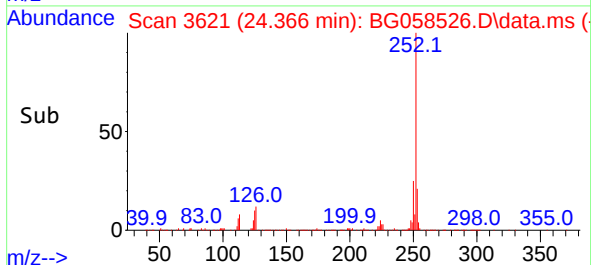
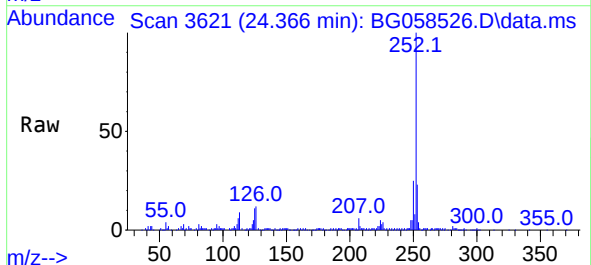
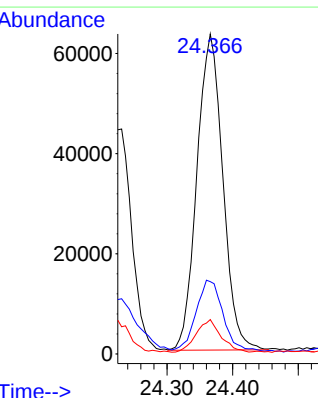
Tgt Ion:252 Resp: 173048

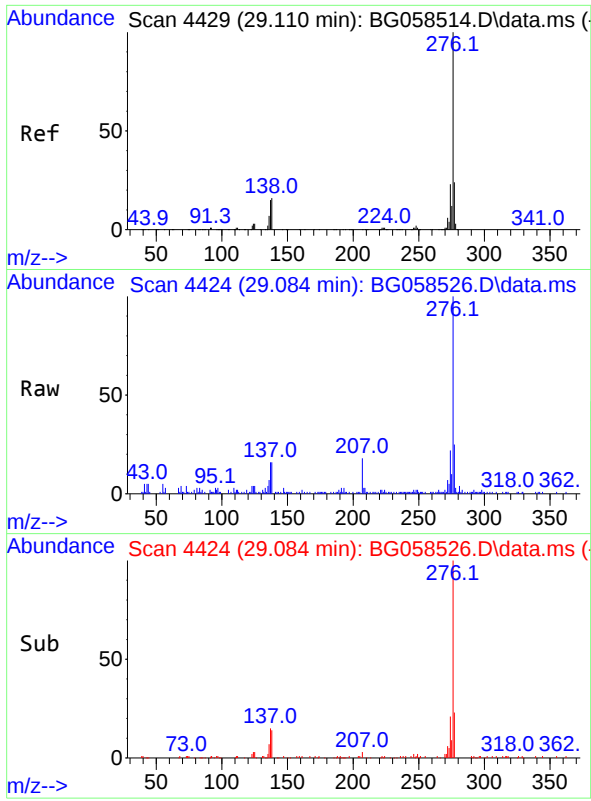
Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

125 10.7 7.4 11.2





#92
Benzo(g,h,i)perylene
Concen: 6.265 ng
RT: 29.084 min Scan# 44
Delta R.T. -0.026 min
Lab File: BG058526.D
Acq: 28 Jul 2023 20:23

Instrument :
BNA_G
ClientSampleId :
SAMPLE-2

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.9	28.3
138	15.9	13.0	19.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/29/2023
Supervised By :mohammad ahmed 07/29/2023

