

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082923\
 Data File : BG058896.D
 Acq On : 29 Aug 2023 20:51
 Operator : MA/JU
 Sample : 04188-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-7

Quant Time: Aug 29 21:29:18 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 29 14:27:28 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/30/2023
 Supervised By :mohammad ahmed 08/30/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.791	152	21383	20.000	ng	0.00
21) Naphthalene-d8	10.594	136	88148	20.000	ng	0.00
39) Acenaphthene-d10	14.442	164	57208	20.000	ng	0.00
64) Phenanthrene-d10	17.192	188	121277	20.000	ng	# 0.00
76) Chrysene-d12	21.434	240	92020	20.000	ng	0.00
86) Perylene-d12	24.495	264	86889	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.371	112	115216	86.710	ng	0.01
7) Phenol-d6	6.969	99	161546	86.654	ng	0.00
23) Nitrobenzene-d5	8.955	82	102050	55.660	ng	0.00
42) 2,4,6-Tribromophenol	15.935	330	80992	90.291	ng	0.00
45) 2-Fluorobiphenyl	13.062	172	220713	56.114	ng	0.00
79) Terphenyl-d14	19.812	244	297631	58.077	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.233	178	147503	25.335	ng	98
72) Anthracene	17.321	178	26292	4.503	ng	97
73) Carbazole	17.597	167	11257	2.105	ng	96
75) Fluoranthene	19.248	202	282200	39.086	ng	98
78) Pyrene	19.613	202	239527	37.358	ng	98
81) Benzo(a)anthracene	21.416	228	128287	20.028	ng	99
83) Chrysene	21.475	228	125176	20.274	ng	99
87) Indeno(1,2,3-cd)pyrene	27.985	276	35083	5.968	ng	# 97
88) Benzo(b)fluoranthene	23.526	252	146846	30.459	ng	95
89) Benzo(k)fluoranthene	23.584	252	45212m	9.093	ng	
90) Benzo(a)pyrene	24.354	252	99359	20.931	ng	# 99
92) Benzo(g,h,i)perylene	29.066	276	28467	5.894	ng	# 85

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

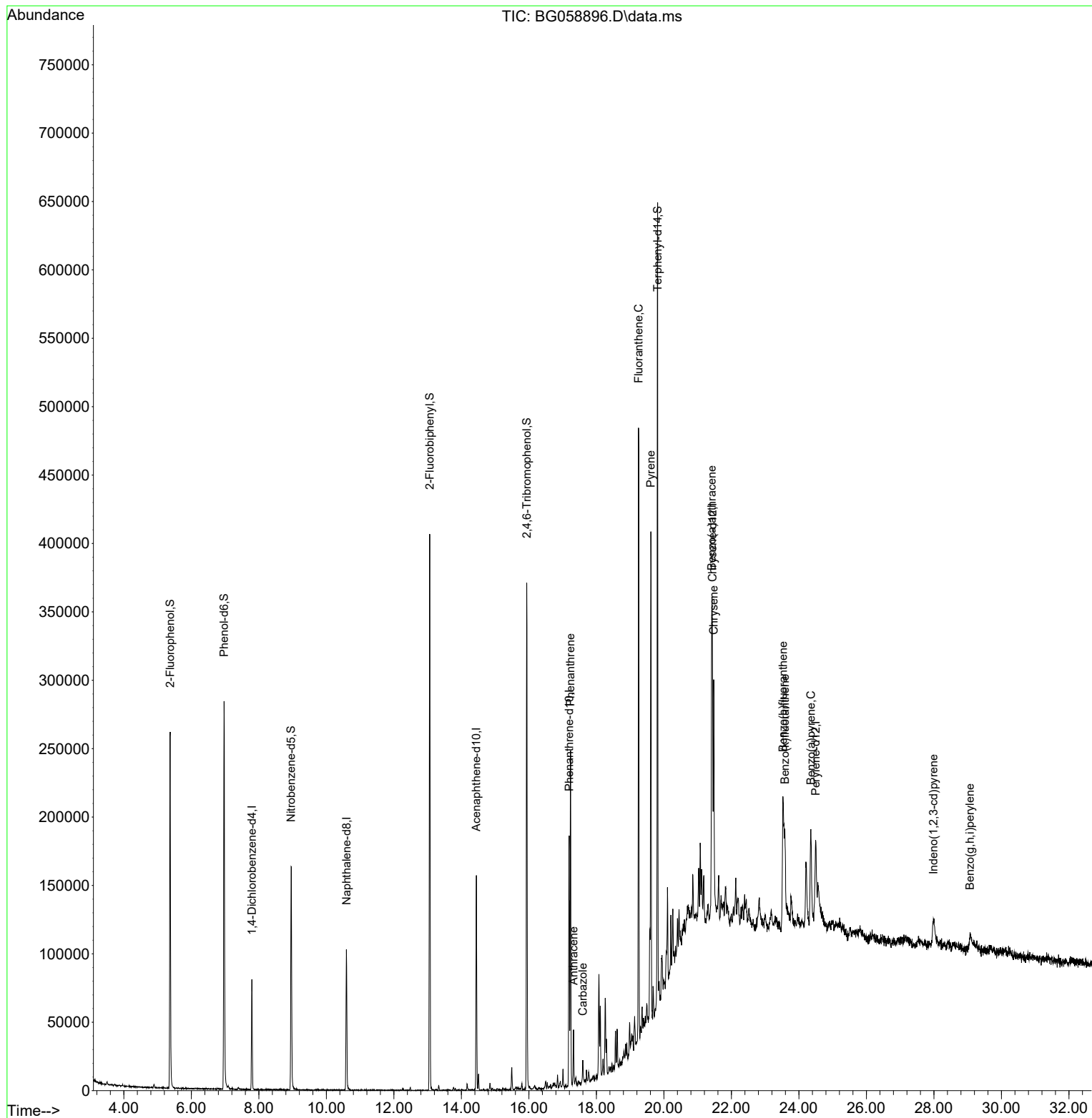
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082923\
Data File : BG058896.D
Acq On : 29 Aug 2023 20:51
Operator : MA/JU
Sample : 04188-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

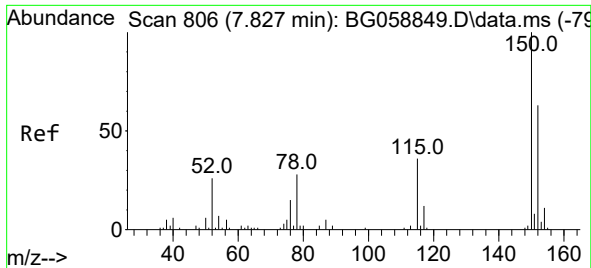
Instrument :
BNA_G
ClientSampleId :
WC-7

Quant Time: Aug 29 21:29:18 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 29 14:27:28 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

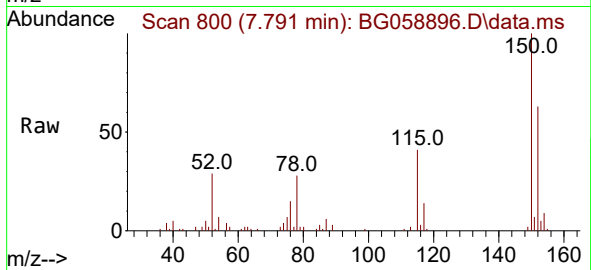
Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.791 min Scan# 806
Delta R.T. 0.002 min
Lab File: BG058896.D
Acq: 29 Aug 2023 20:51

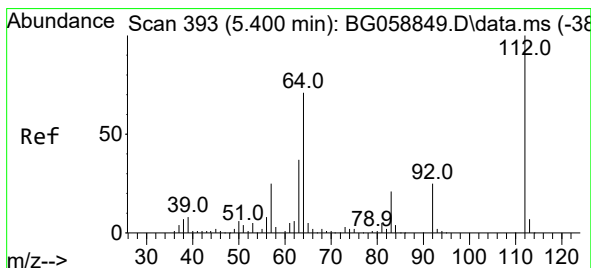
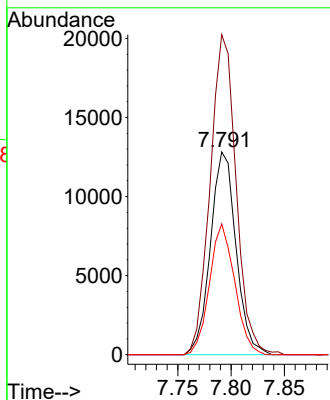
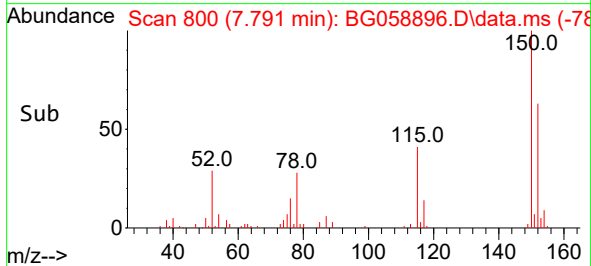
Instrument :
BNA_G
ClientSampleId :
WC-7



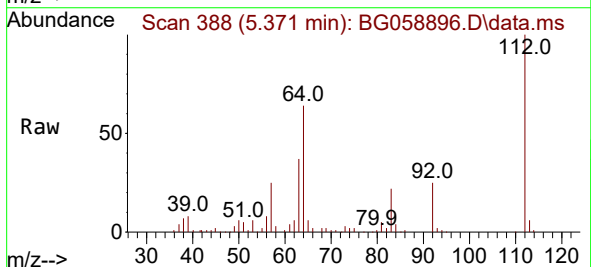
Tgt Ion:152 Resp: 2138
Ion Ratio Lower Upper
152 100
150 157.8 128.6 192.8
115 64.5 50.4 75.6

Manual Integrations
APPROVED

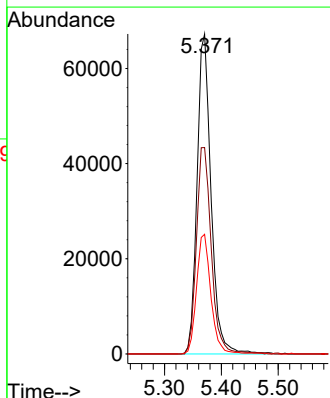
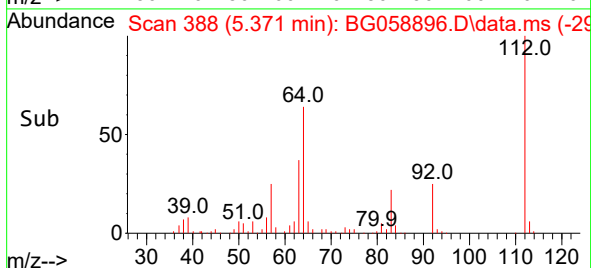
Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023

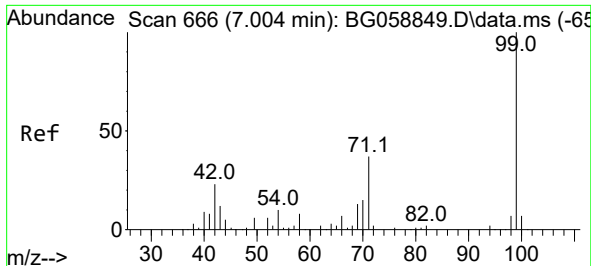


#5
2-Fluorophenol
Concen: 86.710 ng
RT: 5.371 min Scan# 388
Delta R.T. 0.014 min
Lab File: BG058896.D
Acq: 29 Aug 2023 20:51



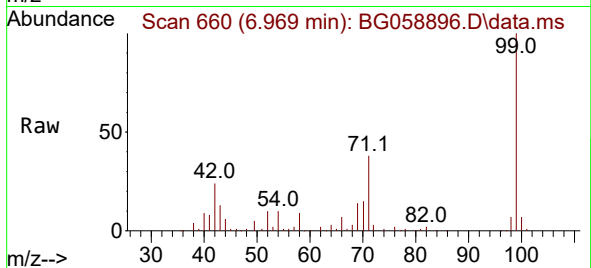
Tgt Ion:112 Resp: 115216
Ion Ratio Lower Upper
112 100
64 64.5 60.6 90.8
63 37.4 31.0 46.4





#7
Phenol-d6
Concen: 86.654 ng
RT: 6.969 min Scan# 60
Delta R.T. 0.002 min
Lab File: BG058896.D
Acq: 29 Aug 2023 20:51

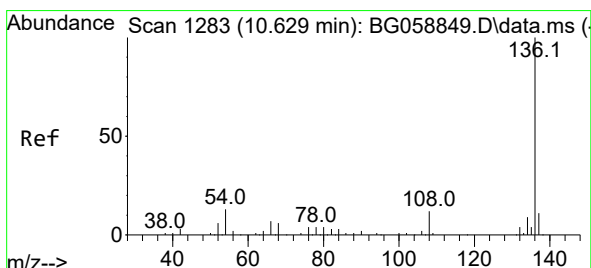
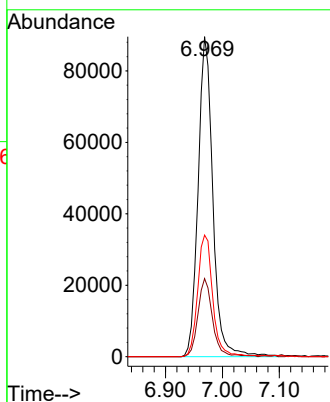
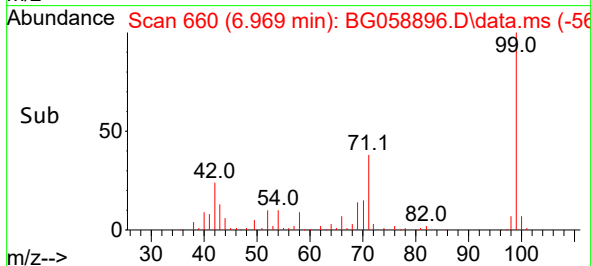
Instrument :
BNA_G
ClientSampleId :
WC-7



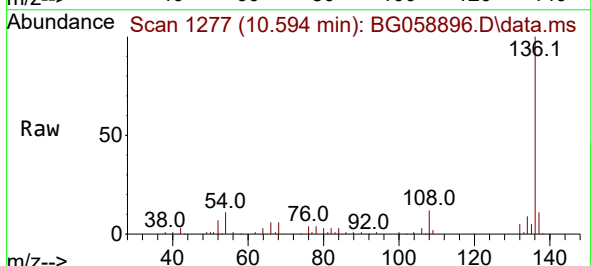
Tgt Ion: 99 Resp: 161540
Ion Ratio Lower Upper
99 100
42 24.4 16.5 24.7
71 38.0 28.4 42.6

Manual Integrations
APPROVED

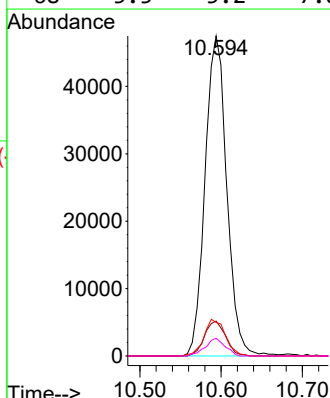
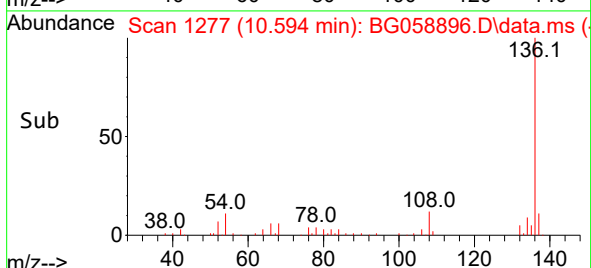
Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023

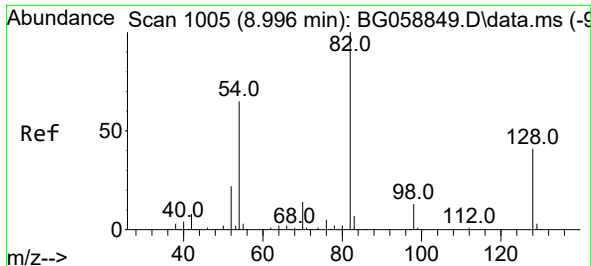


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.594 min Scan# 1277
Delta R.T. 0.002 min
Lab File: BG058896.D
Acq: 29 Aug 2023 20:51



Tgt Ion:136 Resp: 88148
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 10.5 10.1 15.1
68 5.5 5.2 7.8





#23
Nitrobenzene-d5
Concen: 55.660 ng
RT: 8.955 min Scan# 998
Delta R.T. -0.004 min
Lab File: BG058896.D
Acq: 29 Aug 2023 20:51

Instrument :

BNA_G

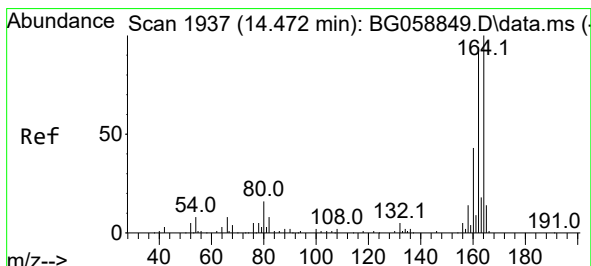
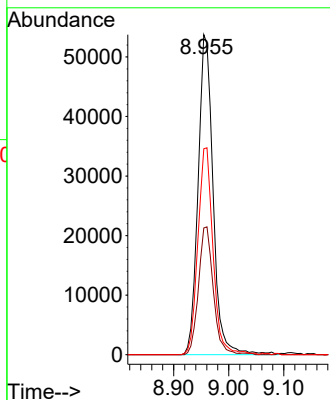
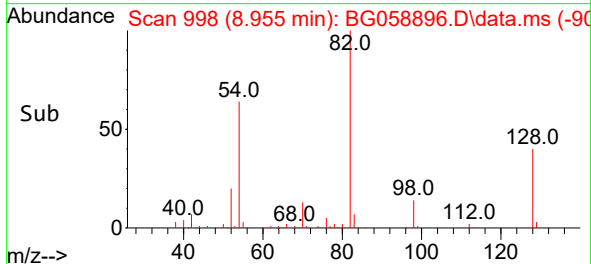
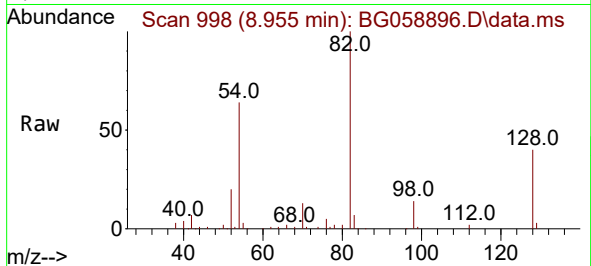
ClientSampleId :

WC-7

Tgt Ion: 82 Resp: 102050
Ion Ratio Lower Upper
82 100
128 39.6 33.2 49.8
54 64.3 51.2 76.8

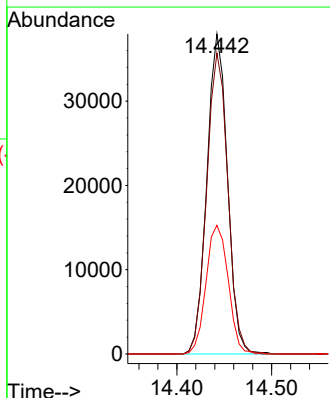
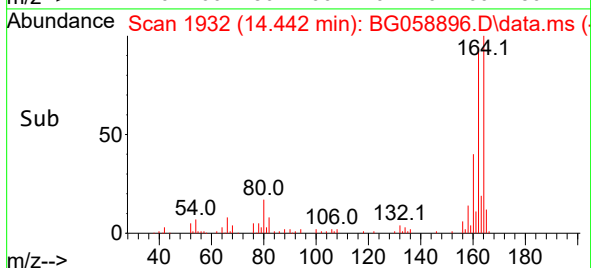
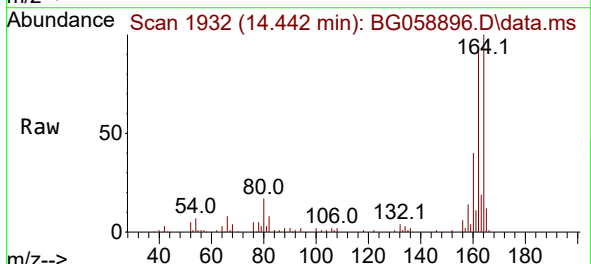
Manual Integrations
APPROVED

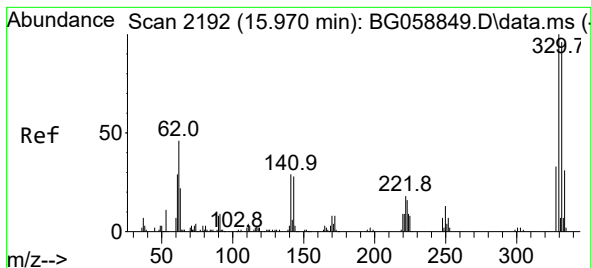
Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.442 min Scan# 1932
Delta R.T. 0.002 min
Lab File: BG058896.D
Acq: 29 Aug 2023 20:51

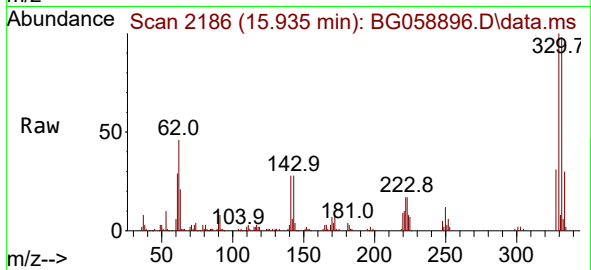
Tgt Ion:164 Resp: 57208
Ion Ratio Lower Upper
164 100
162 94.0 79.6 119.4
160 40.2 34.0 51.0





#42
2,4,6-Tribromophenol
Concen: 90.291 ng
RT: 15.935 min Scan# 2192
Delta R.T. 0.002 min
Lab File: BG058896.D
Acq: 29 Aug 2023 20:51

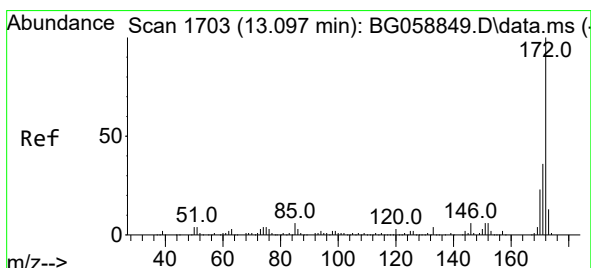
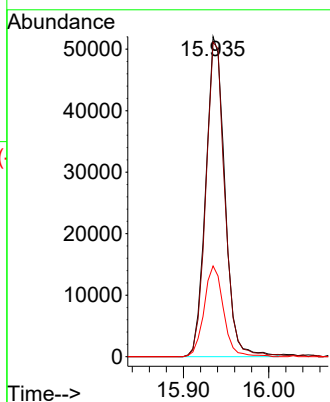
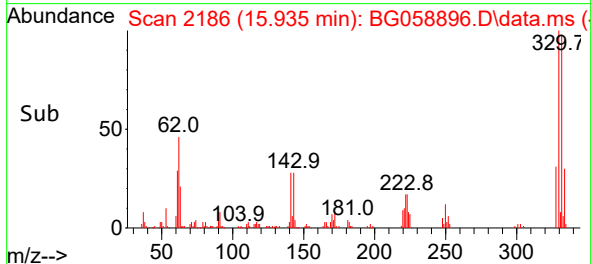
Instrument :
BNA_G
ClientSampleId :
WC-7



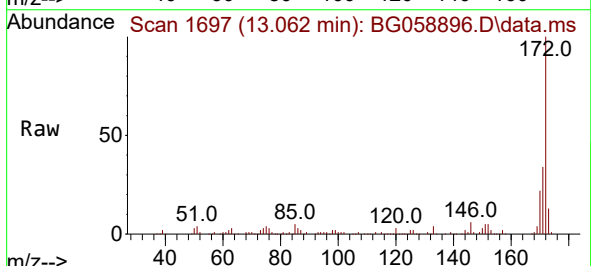
Tgt Ion:330 Resp: 80992
Ion Ratio Lower Upper
330 100
332 97.7 78.5 117.7
141 28.8 23.0 34.6

Manual Integrations
APPROVED

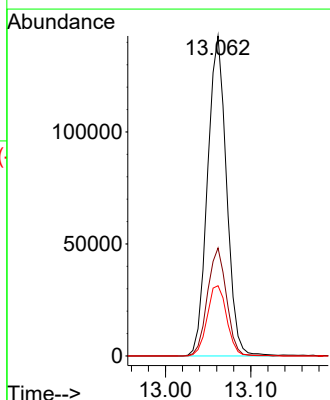
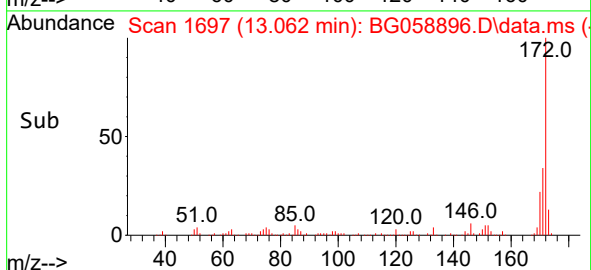
Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023

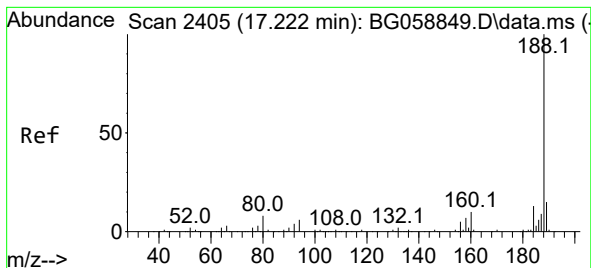


#45
2-Fluorobiphenyl
Concen: 56.114 ng
RT: 13.062 min Scan# 1697
Delta R.T. 0.002 min
Lab File: BG058896.D
Acq: 29 Aug 2023 20:51



Tgt Ion:172 Resp: 220713
Ion Ratio Lower Upper
172 100
171 33.7 28.1 42.1
170 21.9 18.6 27.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.192 min Scan# 2400

Delta R.T. 0.008 min

Lab File: BG058896.D

Acq: 29 Aug 2023 20:51

Instrument :

BNA_G

ClientSampleId :

WC-7

Tgt Ion:188 Resp: 12127

Ion Ratio Lower Upper

188 100

94 5.8 6.1 9.1

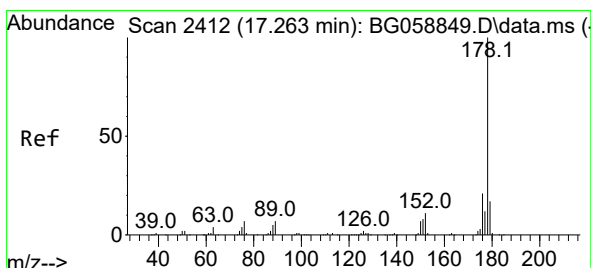
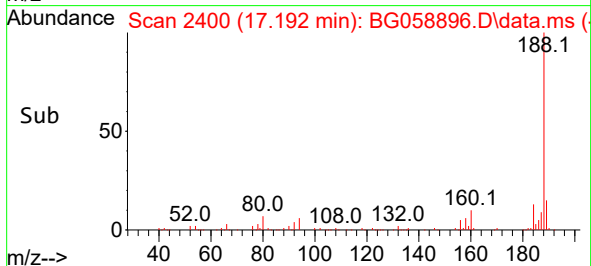
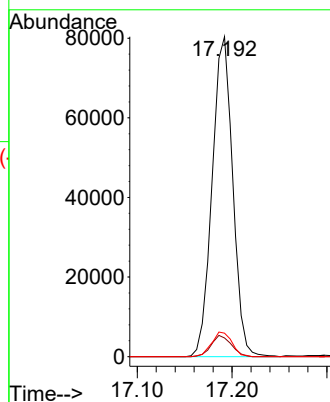
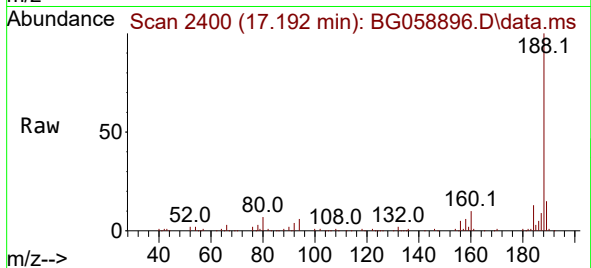
80 7.3 6.9 10.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/30/2023

Supervised By :mohammad ahmed 08/30/2023



#71

Phenanthrene

Concen: 25.335 ng

RT: 17.233 min Scan# 2407

Delta R.T. 0.002 min

Lab File: BG058896.D

Acq: 29 Aug 2023 20:51

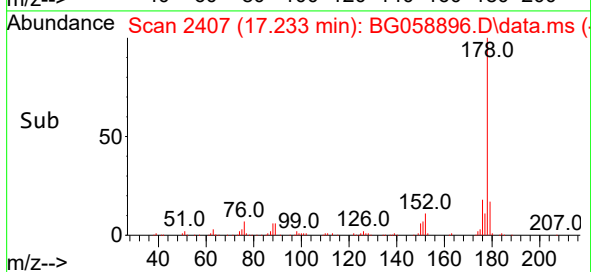
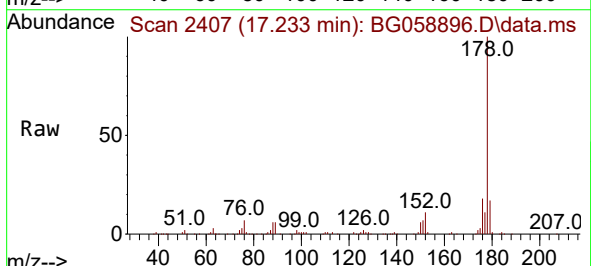
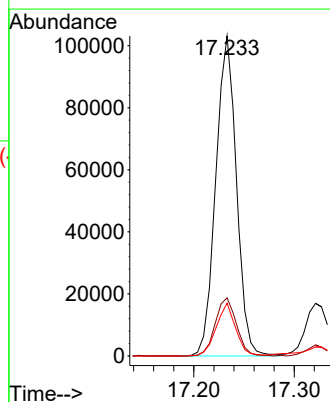
Tgt Ion:178 Resp: 147503

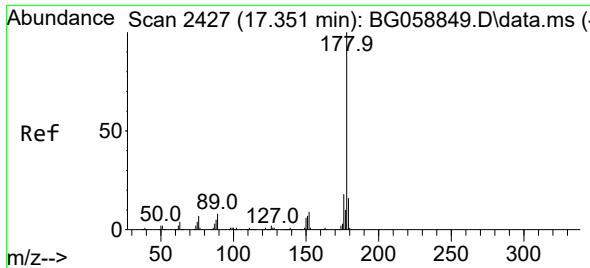
Ion Ratio Lower Upper

178 100

176 18.1 15.5 23.3

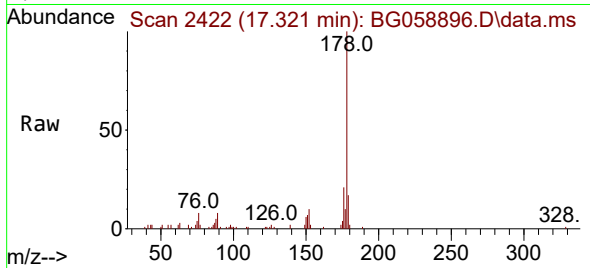
179 16.5 13.0 19.4





#72
 Anthracene
 Concen: 4.503 ng
 RT: 17.321 min Scan# 2422
 Delta R.T. 0.002 min
 Lab File: BG058896.D
 Acq: 29 Aug 2023 20:51

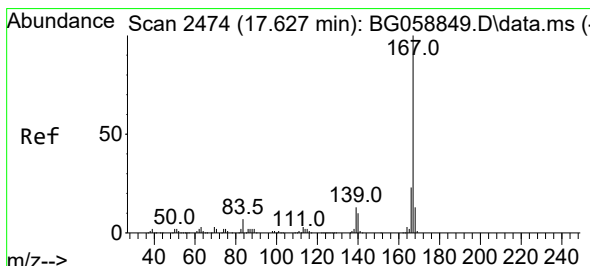
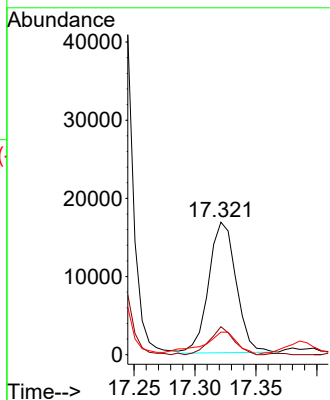
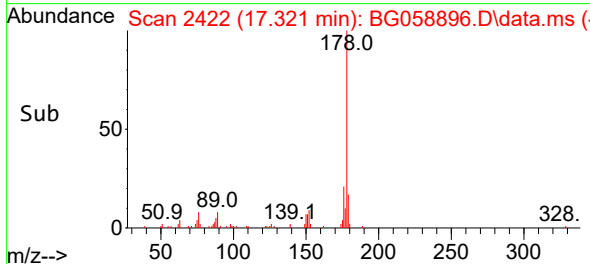
Instrument :
 BNA_G
 ClientSampleId :
 WC-7



Tgt Ion:178 Resp: 26292
 Ion Ratio Lower Upper
 178 100
 176 21.1 15.4 23.2
 179 17.0 12.9 19.3

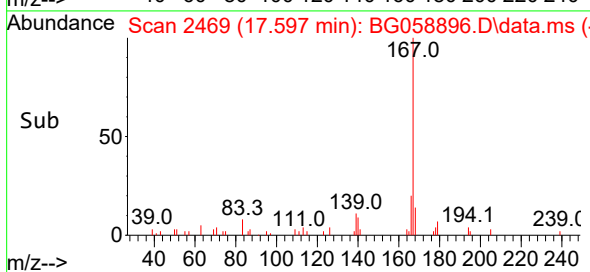
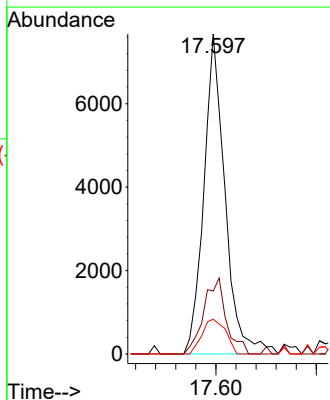
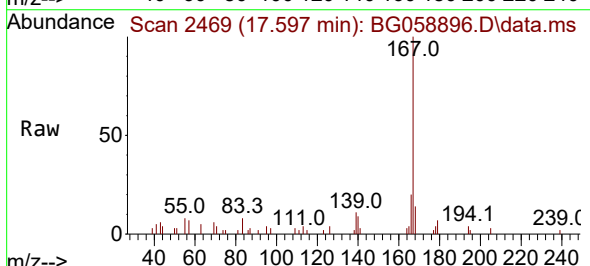
Manual Integrations
 APPROVED

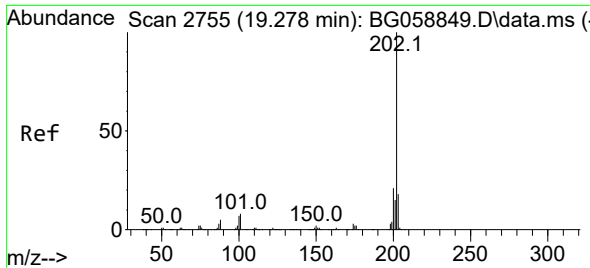
Reviewed By :Yogesh Patel 08/30/2023
 Supervised By :mohammad ahmed 08/30/2023



#73
 Carbazole
 Concen: 2.105 ng
 RT: 17.597 min Scan# 2469
 Delta R.T. 0.002 min
 Lab File: BG058896.D
 Acq: 29 Aug 2023 20:51

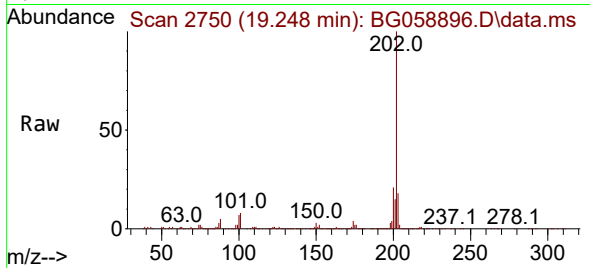
Tgt Ion:167 Resp: 11257
 Ion Ratio Lower Upper
 167 100
 166 19.7 17.4 26.2
 139 10.9 9.7 14.5





#75
Fluoranthene
Concen: 39.086 ng
RT: 19.248 min Scan# 21
Delta R.T. 0.008 min
Lab File: BG058896.D
Acq: 29 Aug 2023 20:51

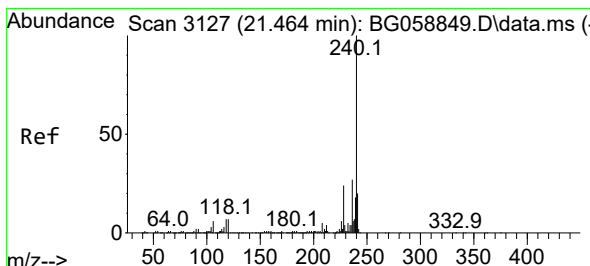
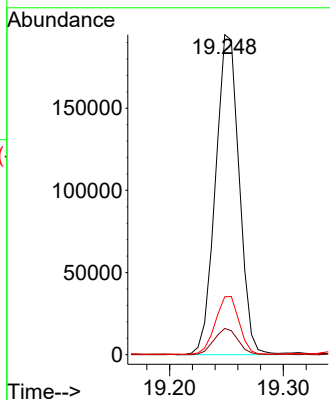
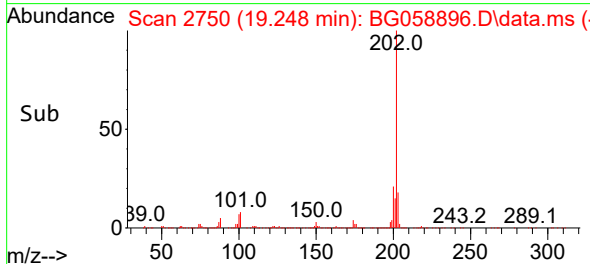
Instrument :
BNA_G
ClientSampleId :
WC-7



Tgt Ion:202 Resp: 282200
Ion Ratio Lower Upper
202 100
101 8.2 0.0 29.7
203 18.1 0.0 38.7

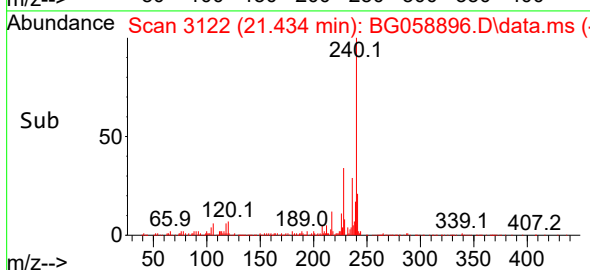
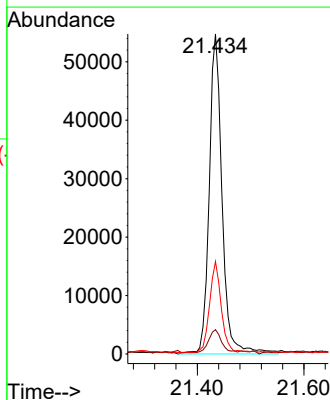
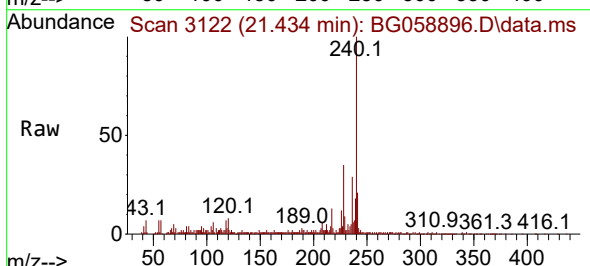
Manual Integrations
APPROVED

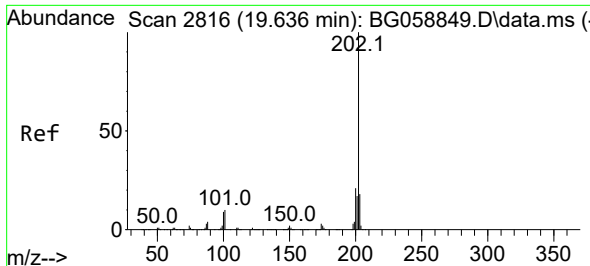
Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.434 min Scan# 3122
Delta R.T. 0.008 min
Lab File: BG058896.D
Acq: 29 Aug 2023 20:51

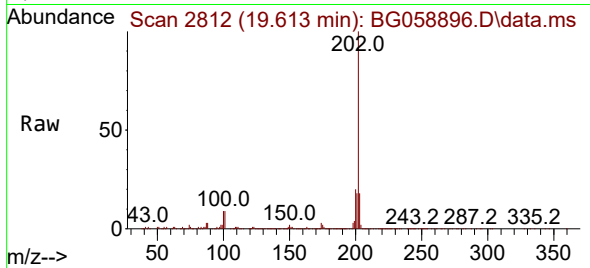
Tgt Ion:240 Resp: 92020
Ion Ratio Lower Upper
240 100
120 7.6 6.2 9.2
236 28.9 20.5 30.7





#78
 Pyrene
 Concen: 37.358 ng
 RT: 19.613 min Scan# 2812
 Delta R.T. 0.008 min
 Lab File: BG058896.D
 Acq: 29 Aug 2023 20:51

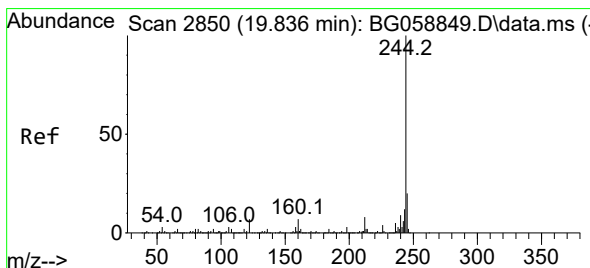
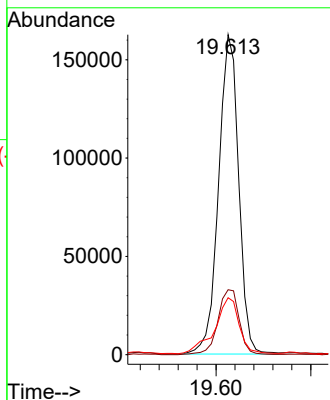
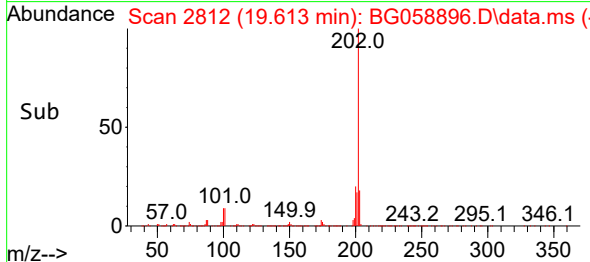
Instrument :
 BNA_G
 ClientSampleId :
 WC-7



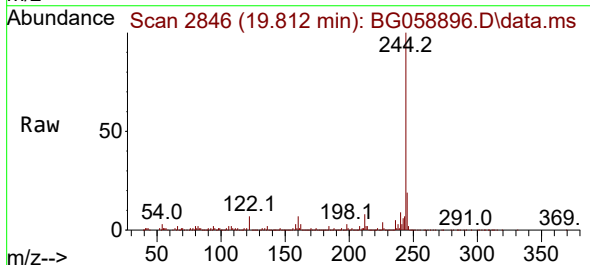
Tgt Ion:202 Resp: 23952
 Ion Ratio Lower Upper
 202 100
 200 20.3 16.7 25.1
 203 17.8 15.3 22.9

Manual Integrations
 APPROVED

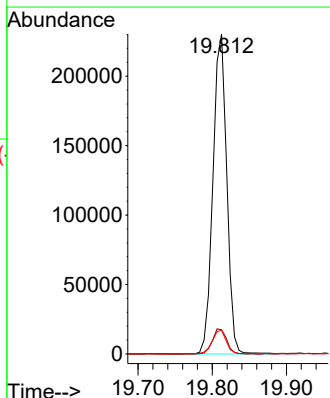
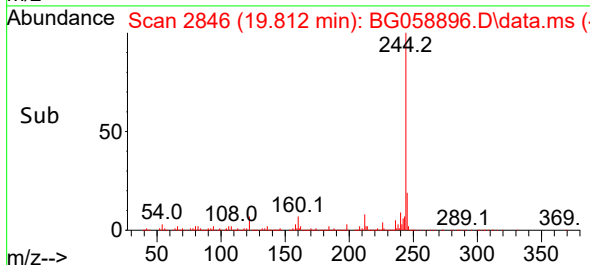
Reviewed By :Yogesh Patel 08/30/2023
 Supervised By :mohammad ahmed 08/30/2023

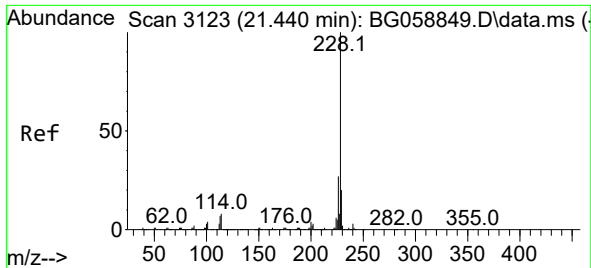


#79
 Terphenyl-d14
 Concen: 58.077 ng
 RT: 19.812 min Scan# 2846
 Delta R.T. 0.008 min
 Lab File: BG058896.D
 Acq: 29 Aug 2023 20:51



Tgt Ion:244 Resp: 297631
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.2 9.2
 122 7.4 6.3 9.5





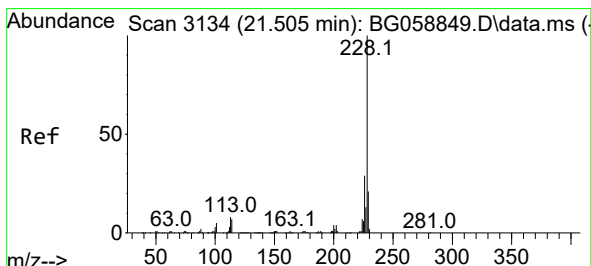
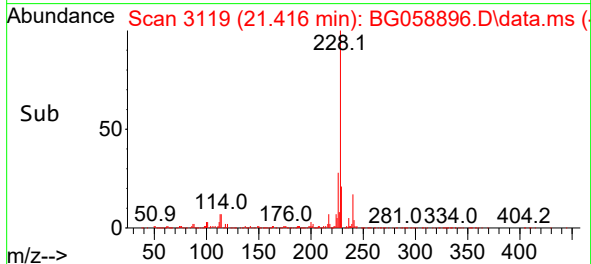
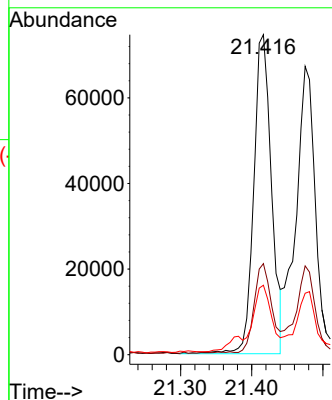
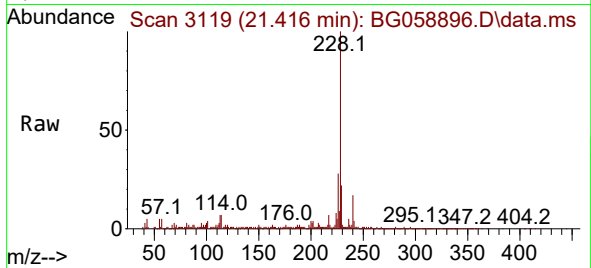
#81
Benzo(a)anthracene
Concen: 20.028 ng
RT: 21.416 min Scan# 3119
Delta R.T. 0.014 min
Lab File: BG058896.D
Acq: 29 Aug 2023 20:51

Instrument :
BNA_G
ClientSampleId :
WC-7

Tgt Ion:228 Resp: 12828
Ion Ratio Lower Upper
228 100
226 28.4 22.6 33.8
229 21.7 16.8 25.2

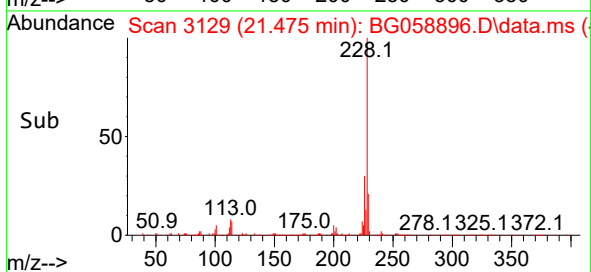
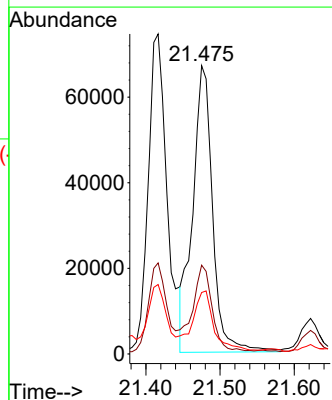
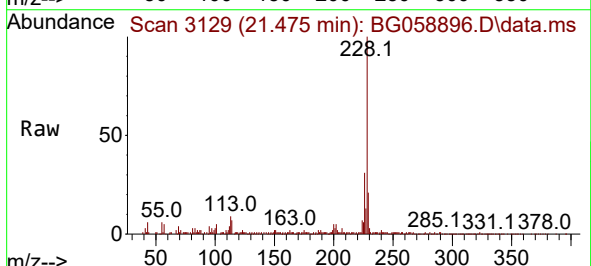
Manual Integrations
APPROVED

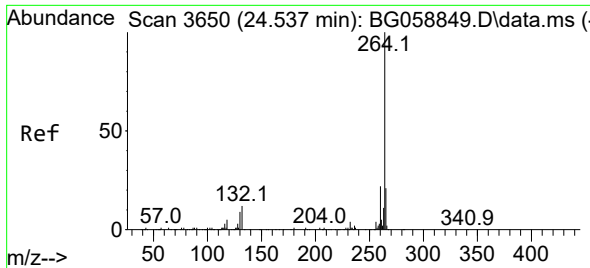
Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023



#83
Chrysene
Concen: 20.274 ng
RT: 21.475 min Scan# 3129
Delta R.T. 0.008 min
Lab File: BG058896.D
Acq: 29 Aug 2023 20:51

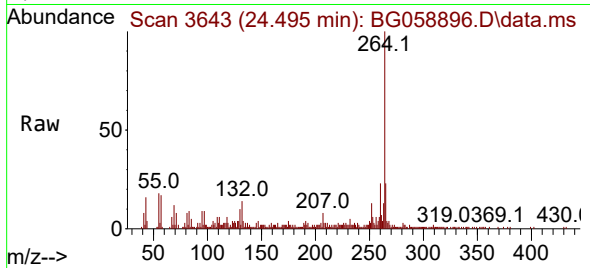
Tgt Ion:228 Resp: 125176
Ion Ratio Lower Upper
228 100
226 30.8 24.4 36.6
229 21.3 16.3 24.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.495 min Scan# 30
Delta R.T. 0.026 min
Lab File: BG058896.D
Acq: 29 Aug 2023 20:51

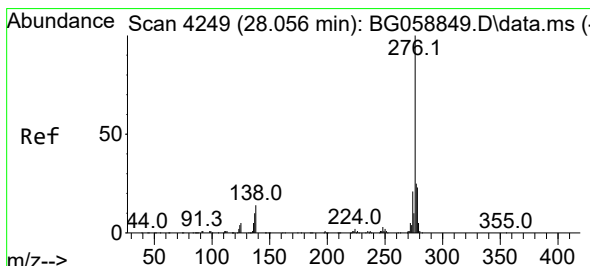
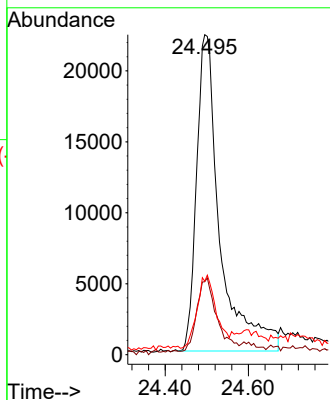
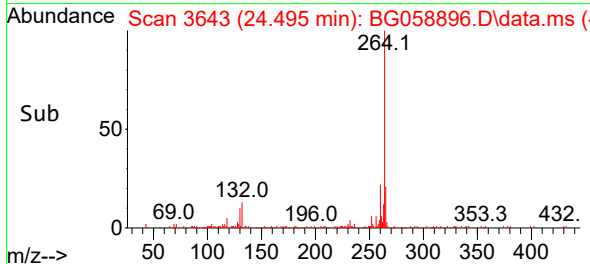
Instrument :
BNA_G
ClientSampleId :
WC-7



Tgt Ion:264 Resp: 86889
Ion Ratio Lower Upper
264 100
260 22.8 18.2 27.2
265 23.0 16.4 24.6

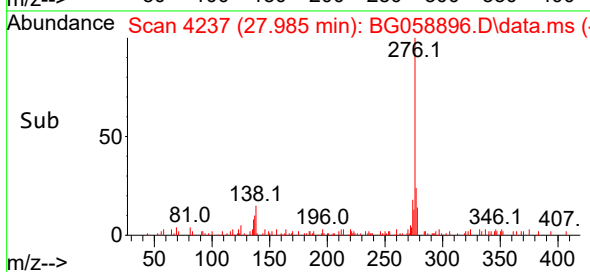
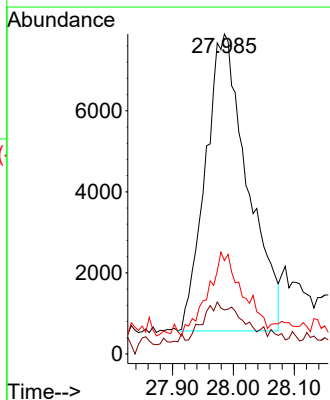
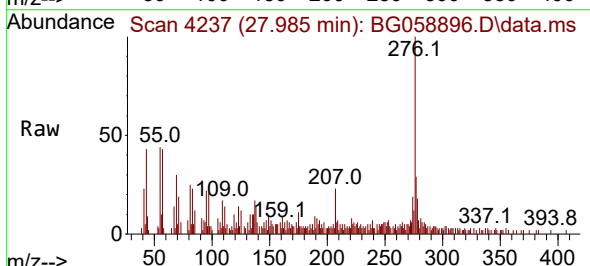
Manual Integrations
APPROVED

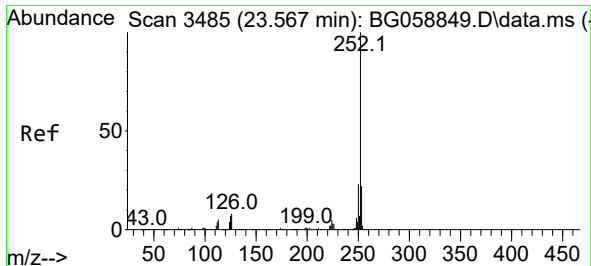
Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.968 ng
RT: 27.985 min Scan# 4237
Delta R.T. 0.032 min
Lab File: BG058896.D
Acq: 29 Aug 2023 20:51

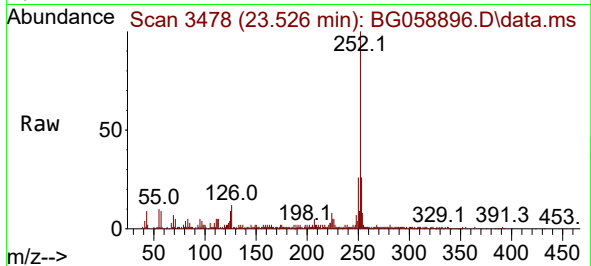
Tgt Ion:276 Resp: 35083
Ion Ratio Lower Upper
276 100
138 6.1 6.2 9.2#
277 24.0 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 30.459 ng
RT: 23.526 min Scan# 3485
Delta R.T. 0.020 min
Lab File: BG058896.D
Acq: 29 Aug 2023 20:51

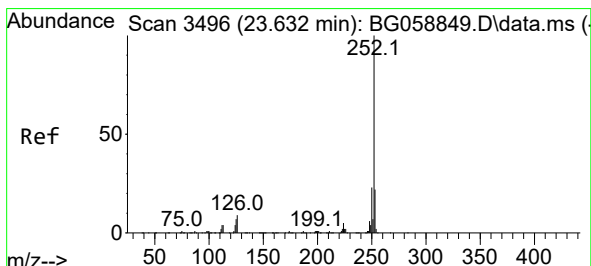
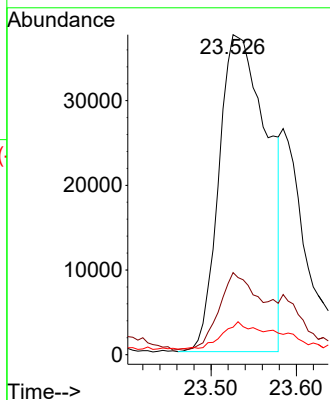
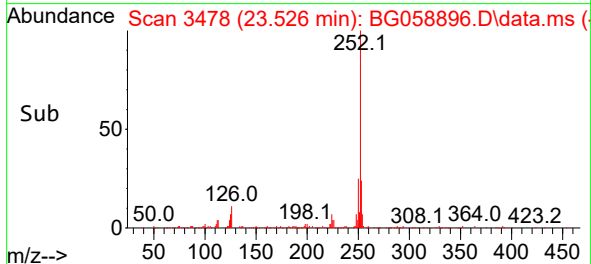
Instrument :
BNA_G
ClientSampleId :
WC-7



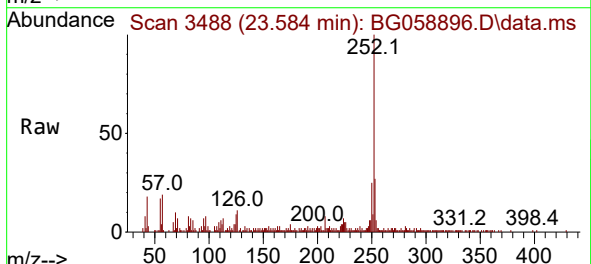
Tgt Ion:252 Resp: 146840
Ion Ratio Lower Upper
252 100
253 25.7 18.4 27.6
125 8.6 6.2 9.2

Manual Integrations
APPROVED

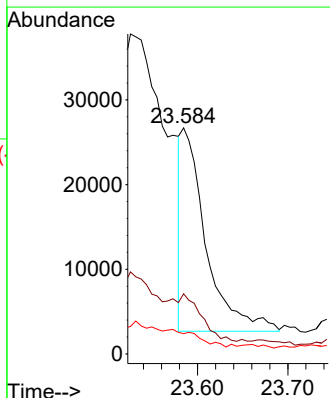
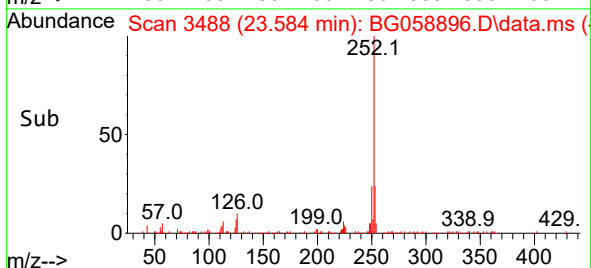
Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023

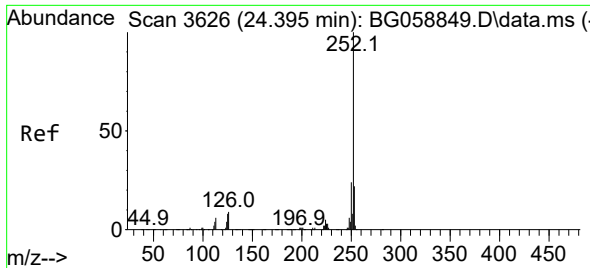


#89
Benzo(k)fluoranthene
Concen: 9.093 ng m
RT: 23.584 min Scan# 3488
Delta R.T. 0.014 min
Lab File: BG058896.D
Acq: 29 Aug 2023 20:51



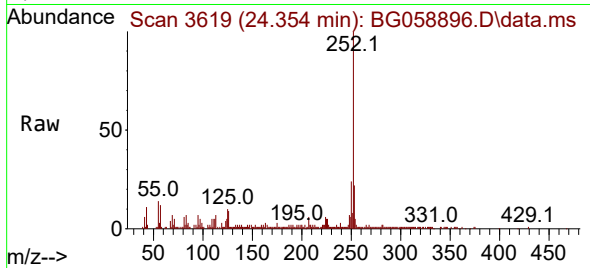
Tgt Ion:252 Resp: 45212
Ion Ratio Lower Upper
252 100
253 26.6 17.6 26.4#
125 9.0 6.3 9.5





#90
Benzo(a)pyrene
Concen: 20.931 ng
RT: 24.354 min Scan# 3619
Delta R.T. 0.020 min
Lab File: BG058896.D
Acq: 29 Aug 2023 20:51

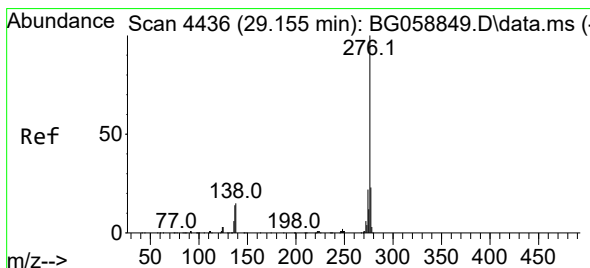
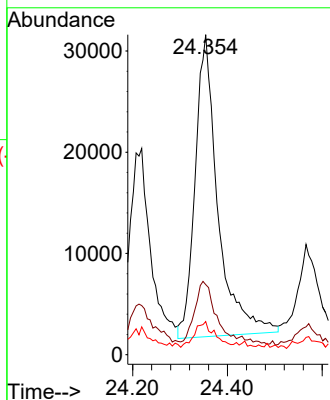
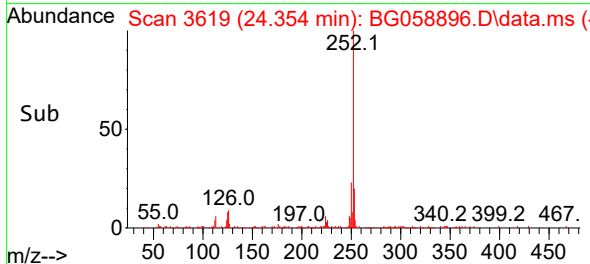
Instrument :
BNA_G
ClientSampleId :
WC-7



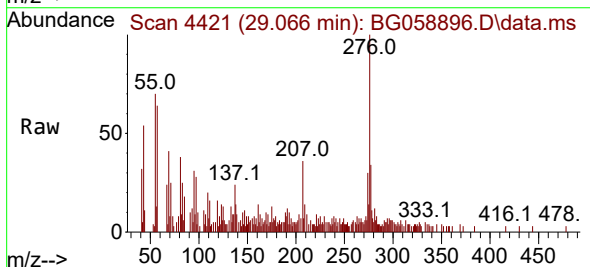
Tgt Ion:252 Resp: 99359
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 10.4 6.8 10.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023



#92
Benzo(g,h,i)perylene
Concen: 5.894 ng
RT: 29.066 min Scan# 4421
Delta R.T. 0.020 min
Lab File: BG058896.D
Acq: 29 Aug 2023 20:51



Tgt Ion:276 Resp: 28467
Ion Ratio Lower Upper
276 100
277 33.9 17.8 26.6#
138 14.4 11.1 16.7

