

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011924\
 Data File : BG060372.D
 Acq On : 19 Jan 2024 17:00
 Operator : MA/JU
 Sample : P1180-01 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-01-011824

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 01/22/2024
 Supervised By :mohammad ahmed 01/23/2024

Quant Time: Jan 20 06:33:15 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 09 04:07:12 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.928	152	307511	20.000	ng	0.00
21) Naphthalene-d8	10.731	136	1033884	20.000	ng	0.00
39) Acenaphthene-d10	14.568	164	743186	20.000	ng	0.00
64) Phenanthrene-d10	17.317	188	1678891	20.000	ng	0.00
76) Chrysene-d12	21.583	240	1487055	20.000	ng	0.00
86) Perylene-d12	24.750	264	1697186	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.502	112	902027	48.247	ng	0.00
7) Phenol-d6	7.094	99	1318293	47.618	ng	0.00
23) Nitrobenzene-d5	9.092	82	686771	31.367	ng	0.00
42) 2,4,6-Tribromophenol	16.054	330	524728	47.989	ng	0.00
45) 2-Fluorobiphenyl	13.187	172	1765930	33.036	ng	0.00
79) Terphenyl-d14	19.932	244	2655366	35.475	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	12.388	142	95140	2.367	ng	93
71) Phenanthrene	17.359	178	499740	6.158	ng	96
75) Fluoranthene	19.374	202	817860	8.391	ng	92
78) Pyrene	19.732	202	930674	9.800	ng	# 85
81) Benzo(a)anthracene	21.560	228	399642	4.341	ng	96
83) Chrysene	21.624	228	378857	4.184	ng	94
87) Indeno(1,2,3-cd)pyrene	28.357	276	238826m	2.024	ng	
88) Benzo(b)fluoranthene	23.751	252	522862	5.215	ng	94
90) Benzo(a)pyrene	24.603	252	412888	4.559	ng	# 96
92) Benzo(g,h,i)perylene	29.503	276	249474m	2.526	ng	

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

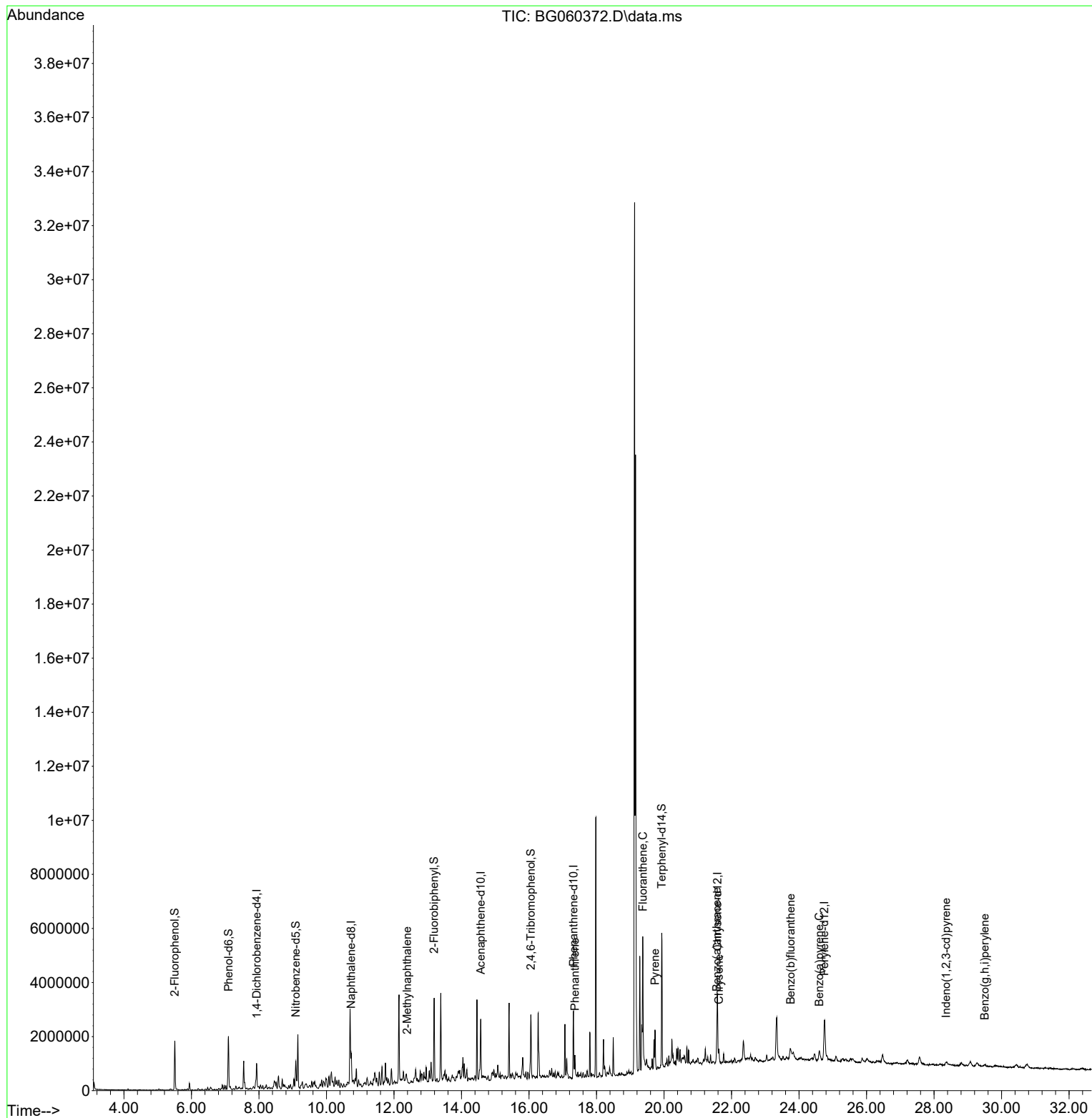
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011924\
Data File : BG060372.D
Acq On : 19 Jan 2024 17:00
Operator : MA/JU
Sample : P1180-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

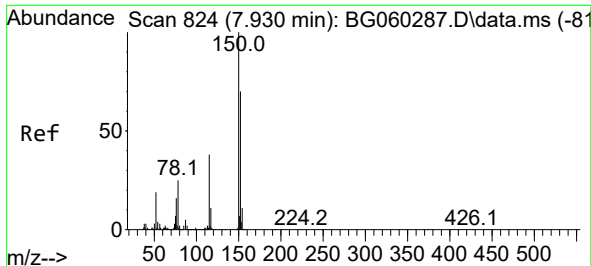
Instrument :
BNA_G
ClientSampleId :
EO-01-011824

Quant Time: Jan 20 06:33:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 09 04:07:12 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

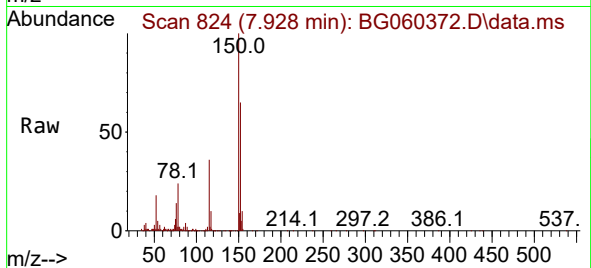
Reviewed By :Jagrut Upadhyay 01/22/2024
Supervised By :mohammad ahmed 01/23/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.928 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG060372.D
Acq: 19 Jan 2024 17:00

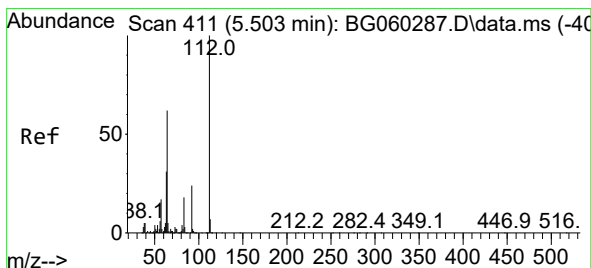
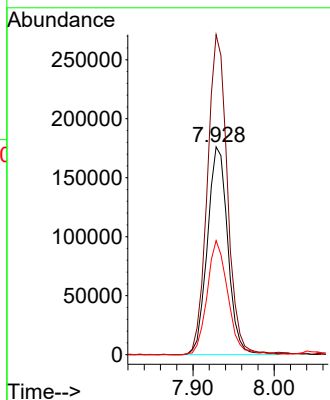
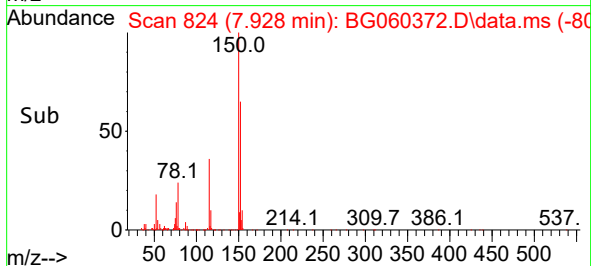
Instrument :
BNA_G
ClientSampleId :
EO-01-011824



Tgt Ion:152 Resp: 30751
Ion Ratio Lower Upper
152 100
150 153.9 114.5 171.7
115 54.9 43.0 64.6

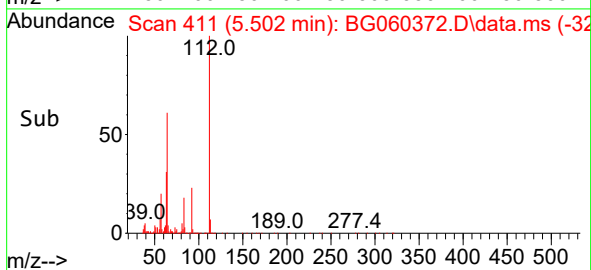
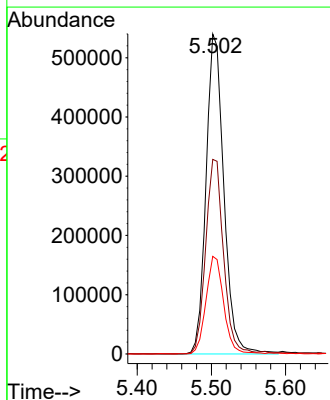
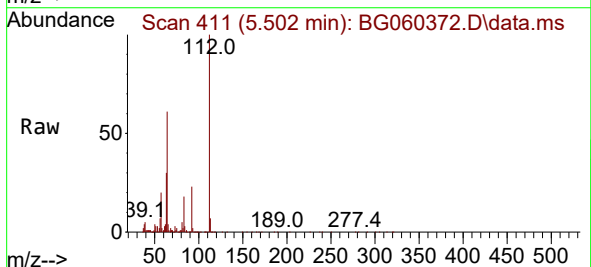
Manual Integrations
APPROVED

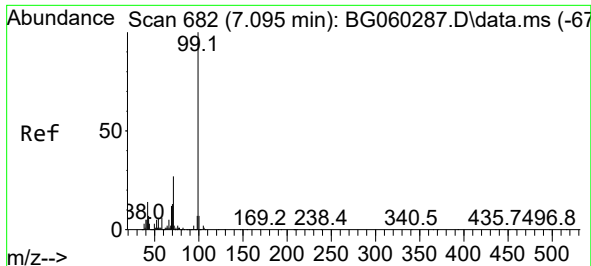
Reviewed By :Jagrut Upadhyay 01/22/2024
Supervised By :mohammad ahmed 01/23/2024



#5
2-Fluorophenol
Concen: 48.247 ng
RT: 5.502 min Scan# 411
Delta R.T. -0.001 min
Lab File: BG060372.D
Acq: 19 Jan 2024 17:00

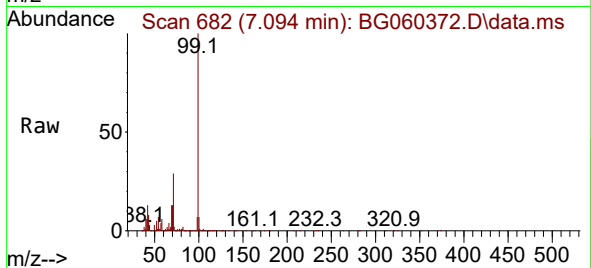
Tgt Ion:112 Resp: 902027
Ion Ratio Lower Upper
112 100
64 60.8 49.8 74.6
63 30.5 24.4 36.6





#7
Phenol-d6
Concen: 47.618 ng
RT: 7.094 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG060372.D
Acq: 19 Jan 2024 17:00

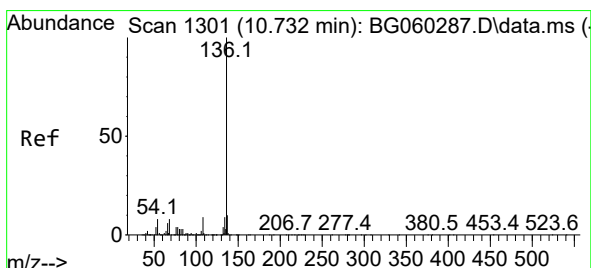
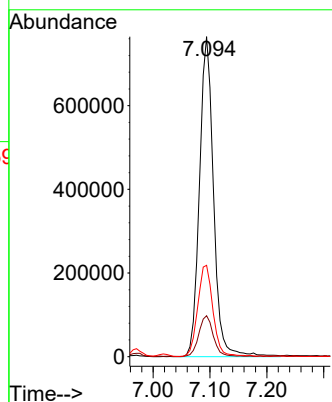
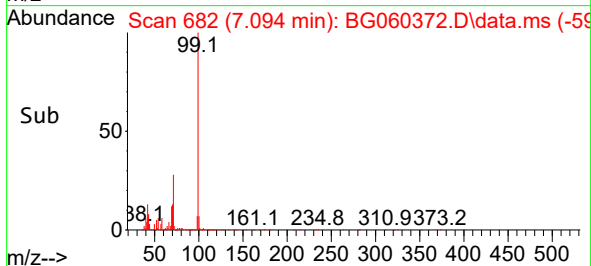
Instrument :
BNA_G
ClientSampleId :
EO-01-011824



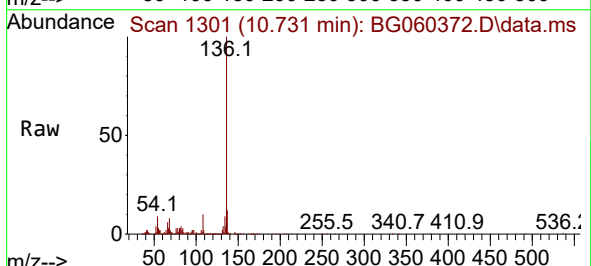
Tgt Ion: 99 Resp: 131829
Ion Ratio Lower Upper
99 100
42 12.8 10.9 16.3
71 28.6 21.5 32.3

Manual Integrations
APPROVED

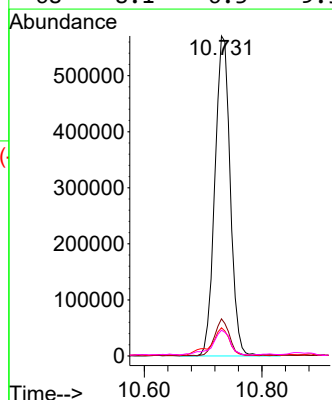
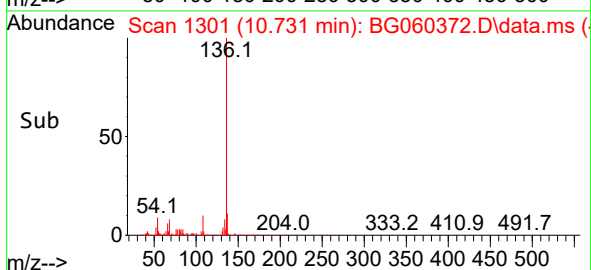
Reviewed By :Jagrut Upadhyay 01/22/2024
Supervised By :mohammad ahmed 01/23/2024

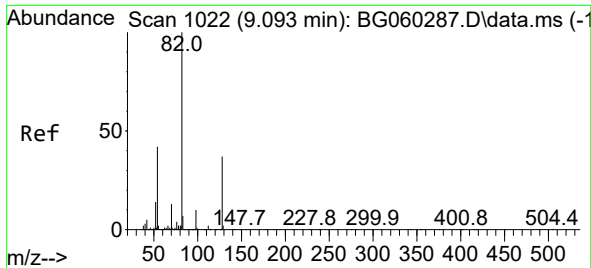


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.731 min Scan# 1301
Delta R.T. -0.001 min
Lab File: BG060372.D
Acq: 19 Jan 2024 17:00



Tgt Ion:136 Resp: 1033884
Ion Ratio Lower Upper
136 100
137 11.6 8.2 12.4
54 8.8 6.2 9.2
68 8.1 6.3 9.5





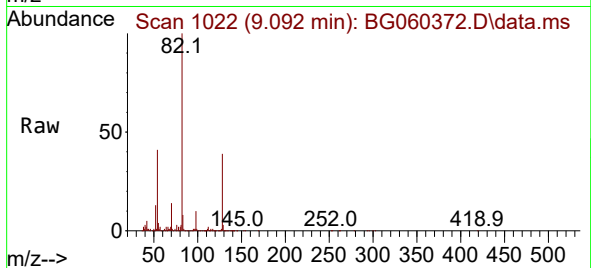
#23
Nitrobenzene-d5
Concen: 31.367 ng
RT: 9.092 min Scan# 1022
Delta R.T. -0.001 min
Lab File: BG060372.D
Acq: 19 Jan 2024 17:00

Instrument :

BNA_G

ClientSampleId :

EO-01-011824

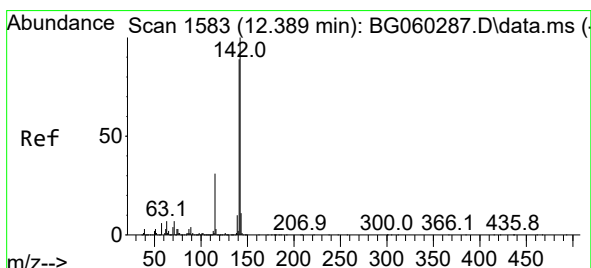
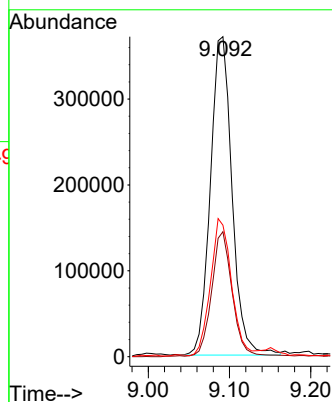
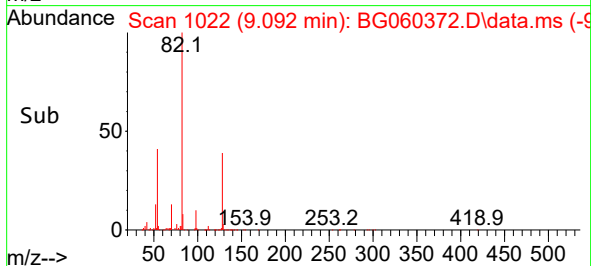


Tgt Ion: 82 Resp: 68677
Ion Ratio Lower Upper
82 100
128 39.0 29.6 44.4
54 41.1 33.6 50.4

Manual Integrations

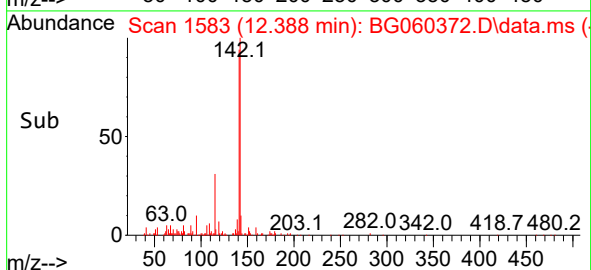
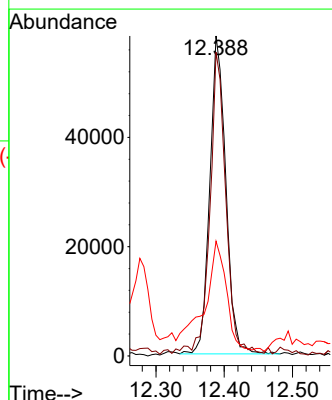
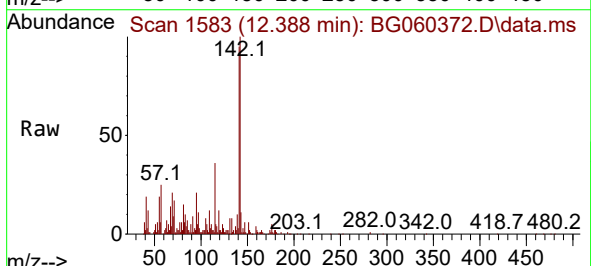
APPROVED

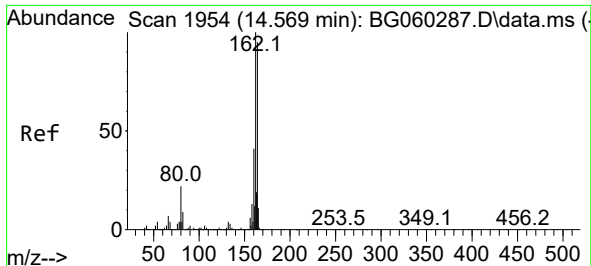
Reviewed By :Jagrut Upadhyay 01/22/2024
Supervised By :mohammad ahmed 01/23/2024



#37
2-Methylnaphthalene
Concen: 2.367 ng
RT: 12.388 min Scan# 1583
Delta R.T. -0.001 min
Lab File: BG060372.D
Acq: 19 Jan 2024 17:00

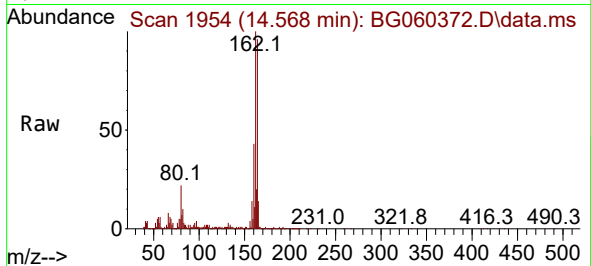
Tgt Ion:142 Resp: 95140
Ion Ratio Lower Upper
142 100
141 94.9 71.0 106.4
115 35.9 24.7 37.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.568 min Scan# 1954
Delta R.T. -0.001 min
Lab File: BG060372.D
Acq: 19 Jan 2024 17:00

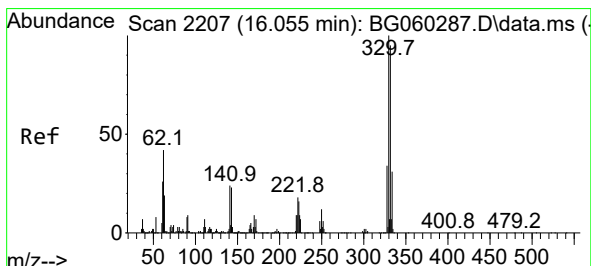
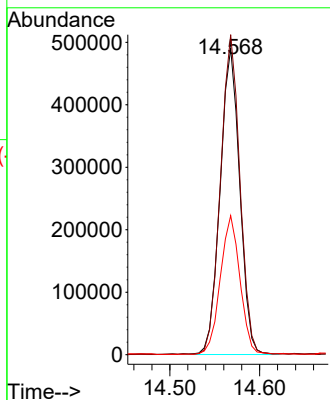
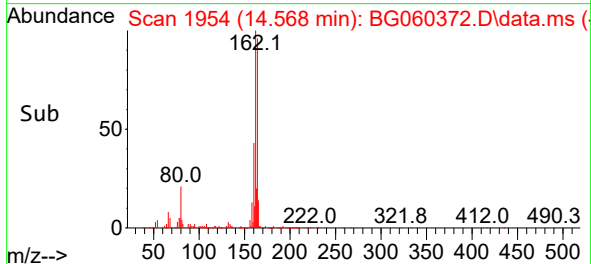
Instrument :
BNA_G
ClientSampleId :
EO-01-011824



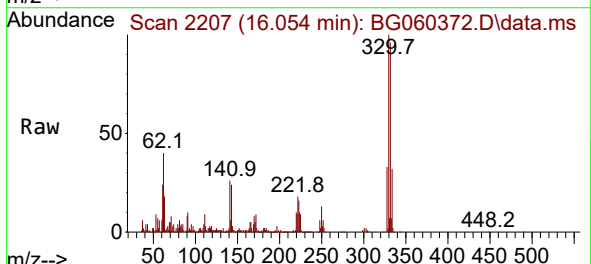
Tgt Ion:164 Resp: 743180
Ion Ratio Lower Upper
164 100
162 104.5 84.4 126.6
160 45.4 34.6 52.0

Manual Integrations
APPROVED

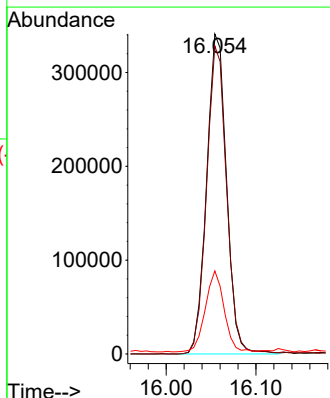
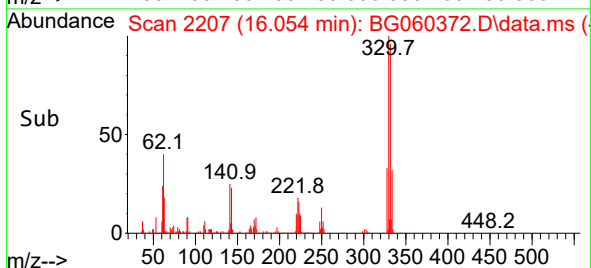
Reviewed By :Jagrut Upadhyay 01/22/2024
Supervised By :mohammad ahmed 01/23/2024

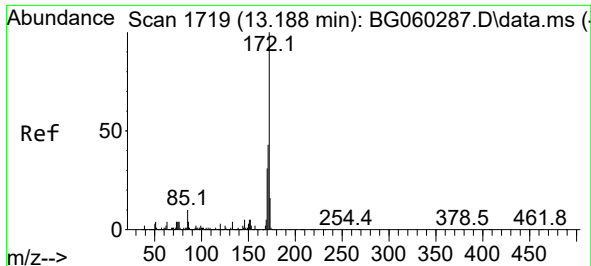


#42
2,4,6-Tribromophenol
Concen: 47.989 ng
RT: 16.054 min Scan# 2207
Delta R.T. -0.001 min
Lab File: BG060372.D
Acq: 19 Jan 2024 17:00



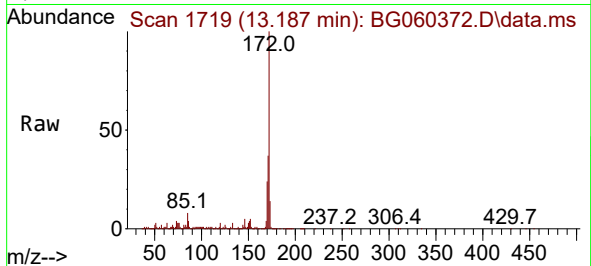
Tgt Ion:330 Resp: 524728
Ion Ratio Lower Upper
330 100
332 96.7 76.7 115.1
141 23.8 18.6 28.0





#45
2-Fluorobiphenyl
Concen: 33.036 ng
RT: 13.187 min Scan# 1719
Delta R.T. -0.001 min
Lab File: BG060372.D
Acq: 19 Jan 2024 17:00

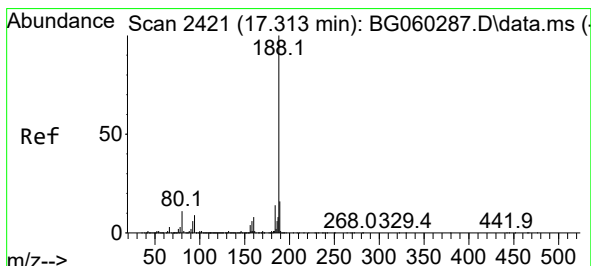
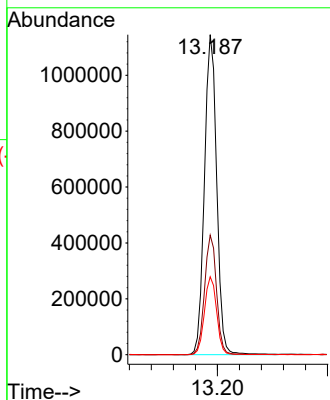
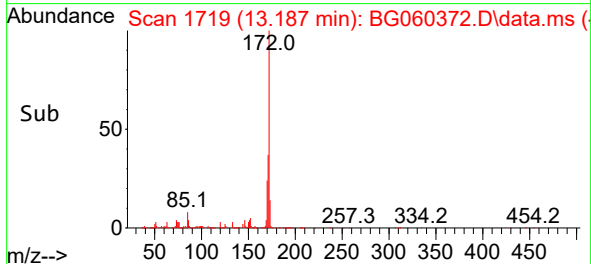
Instrument :
BNA_G
ClientSampleId :
EO-01-011824



Tgt Ion:172 Resp: 1765930
Ion Ratio Lower Upper
172 100
171 37.3 34.6 51.8
170 24.3 24.4 36.6

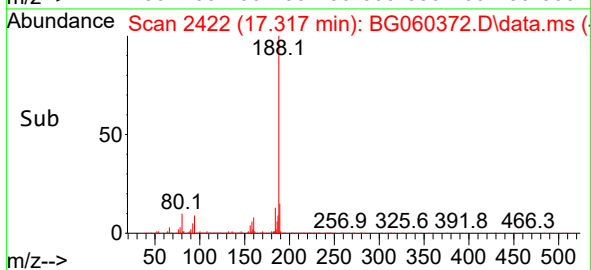
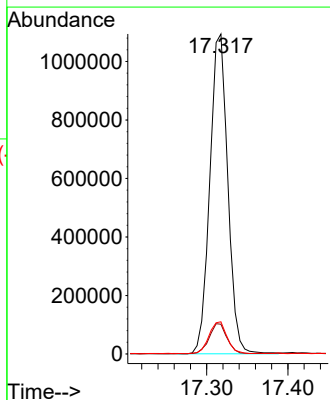
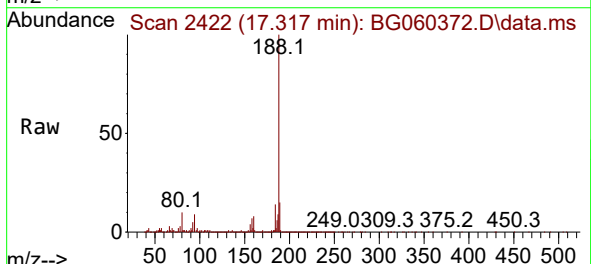
Manual Integrations
APPROVED

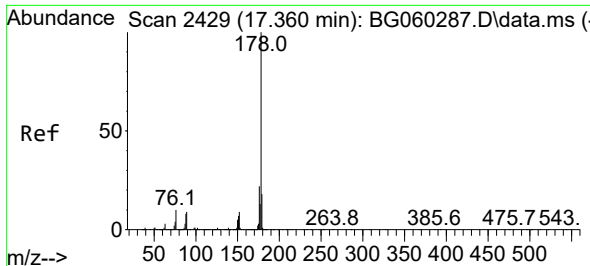
Reviewed By :Jagrut Upadhyay 01/22/2024
Supervised By :mohammad ahmed 01/23/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.317 min Scan# 2422
Delta R.T. 0.005 min
Lab File: BG060372.D
Acq: 19 Jan 2024 17:00

Tgt Ion:188 Resp: 1678891
Ion Ratio Lower Upper
188 100
94 9.3 7.1 10.7
80 10.1 8.5 12.7





#71
Phenanthrene
Concen: 6.158 ng
RT: 17.359 min Scan# 2429
Delta R.T. -0.001 min
Lab File: BG060372.D
Acq: 19 Jan 2024 17:00

Instrument :

BNA_G

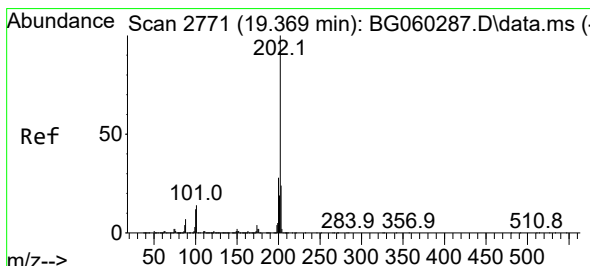
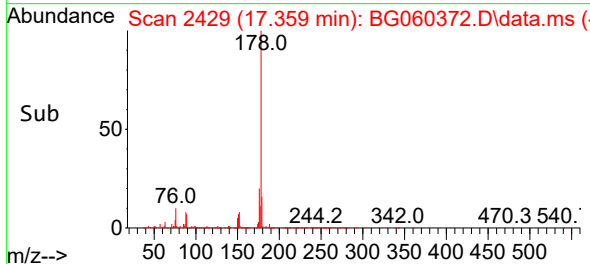
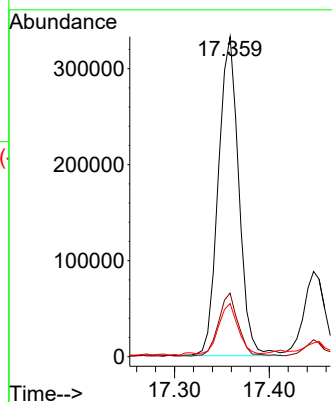
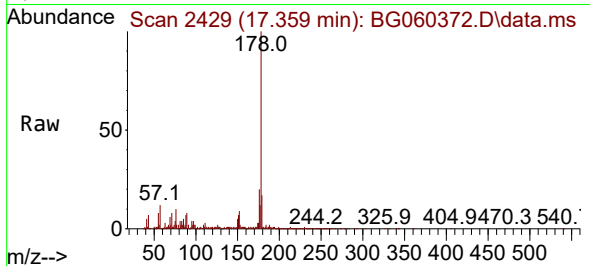
ClientSampleId :

EO-01-011824

Tgt Ion:178 Resp: 499740
Ion Ratio Lower Upper
178 100
176 19.8 17.4 26.2
179 16.6 14.7 22.1

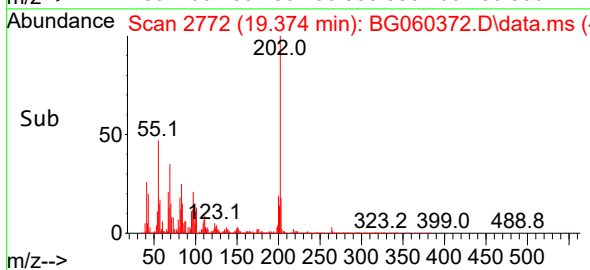
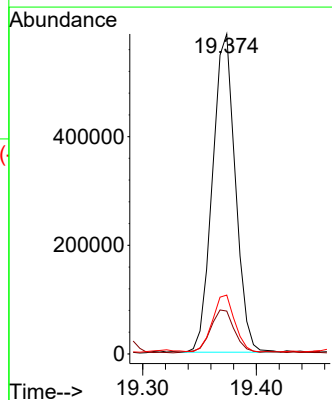
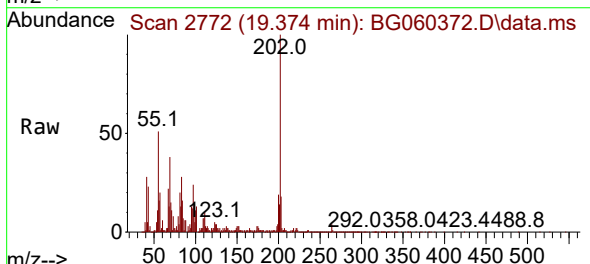
Manual Integrations
APPROVED

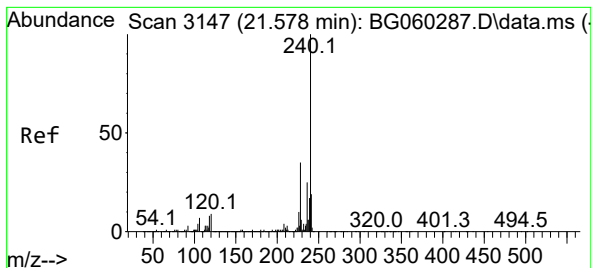
Reviewed By :Jagrut Upadhyay 01/22/2024
Supervised By :mohammad ahmed 01/23/2024



#75
Fluoranthene
Concen: 8.391 ng
RT: 19.374 min Scan# 2772
Delta R.T. 0.005 min
Lab File: BG060372.D
Acq: 19 Jan 2024 17:00

Tgt Ion:202 Resp: 817860
Ion Ratio Lower Upper
202 100
101 13.4 0.0 34.4
203 18.4 4.0 44.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.583 min Scan# 3147

Delta R.T. 0.005 min

Lab File: BG060372.D

Acq: 19 Jan 2024 17:00

Instrument :

BNA_G

ClientSampleId :

EO-01-011824

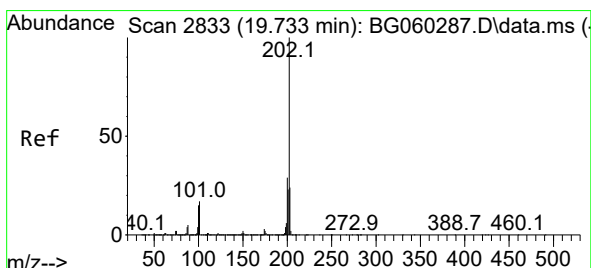
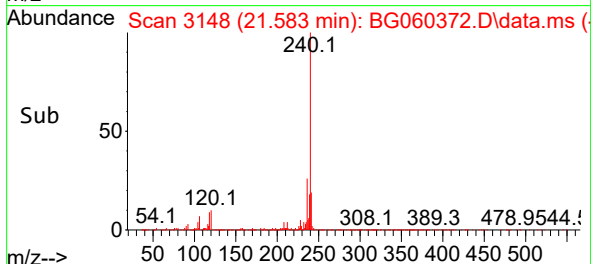
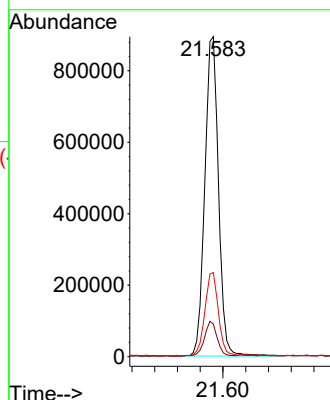
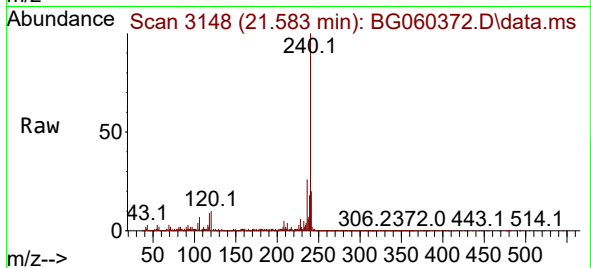
Tgt Ion:240 Resp: 148705

Ion	Ratio	Lower	Upper
240	100		
120	10.2	7.3	10.9
236	26.3	20.3	30.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/22/2024
Supervised By :mohammad ahmed 01/23/2024



#78

Pyrene

Concen: 9.800 ng

RT: 19.732 min Scan# 2833

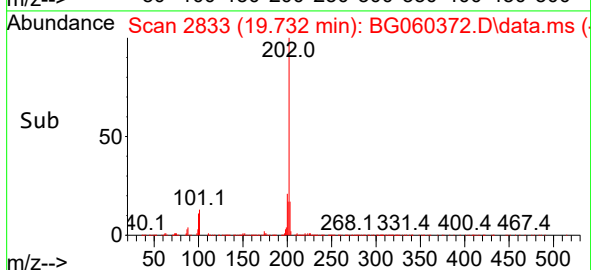
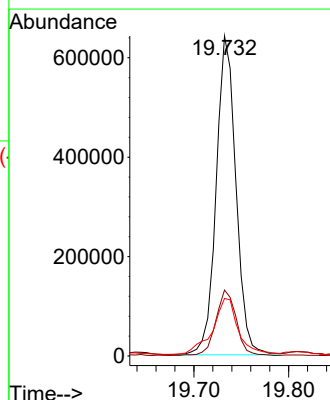
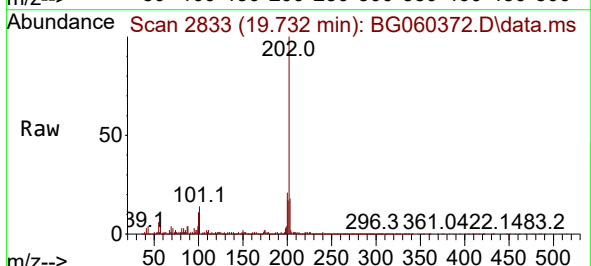
Delta R.T. -0.001 min

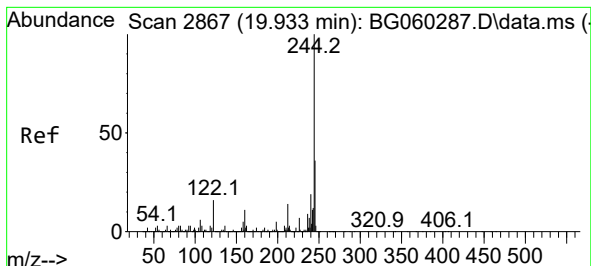
Lab File: BG060372.D

Acq: 19 Jan 2024 17:00

Tgt Ion:202 Resp: 930674

Ion	Ratio	Lower	Upper
202	100		
200	20.6	23.5	35.3#
203	18.0	19.6	29.4#





#79

Terphenyl-d14

Concen: 35.475 ng

RT: 19.932 min Scan# 21

Delta R.T. -0.001 min

Lab File: BG060372.D

Acq: 19 Jan 2024 17:00

Instrument :

BNA_G

ClientSampleId :

EO-01-011824

Tgt Ion:244 Resp: 2655360

Ion Ratio Lower Upper

244 100

212 7.5 10.9 16.3

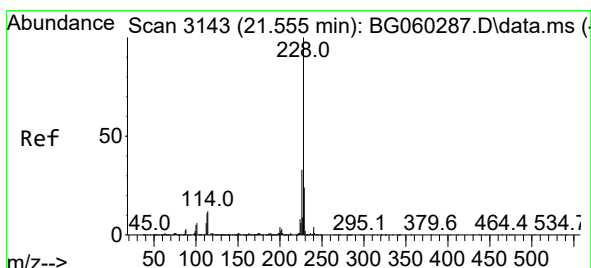
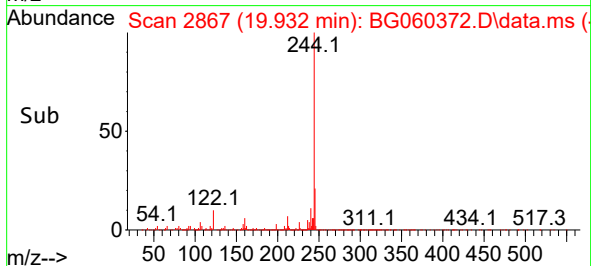
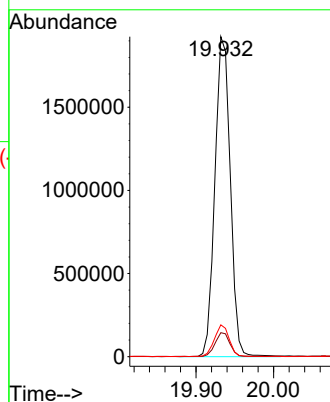
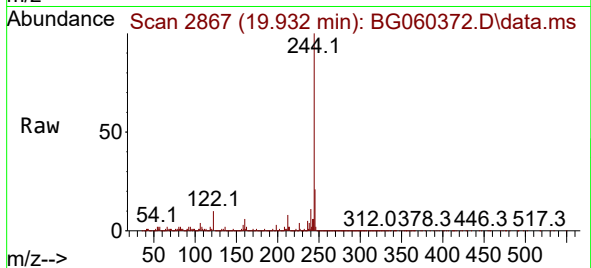
122 10.0 12.6 18.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/22/2024

Supervised By :mohammad ahmed 01/23/2024



#81

Benzo(a)anthracene

Concen: 4.341 ng

RT: 21.560 min Scan# 3144

Delta R.T. 0.005 min

Lab File: BG060372.D

Acq: 19 Jan 2024 17:00

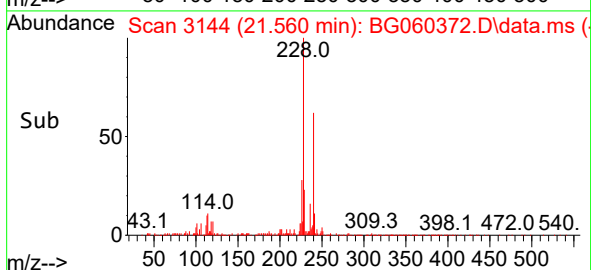
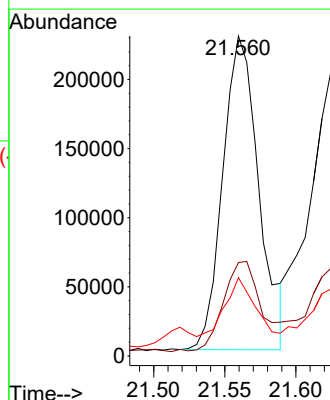
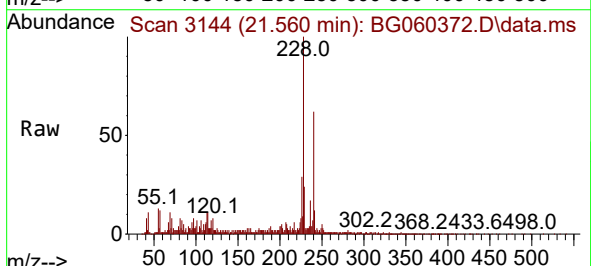
Tgt Ion:228 Resp: 399642

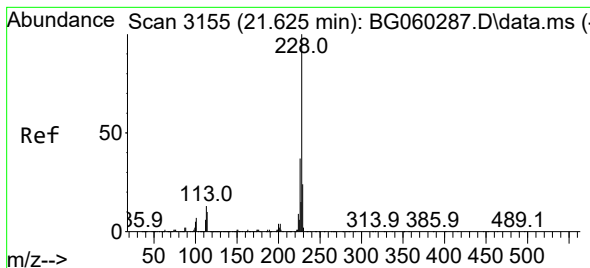
Ion Ratio Lower Upper

228 100

226 29.2 26.2 39.2

229 24.4 19.4 29.2





#83

Chrysene

Concen: 4.184 ng

RT: 21.624 min Scan# 31

Delta R.T. -0.001 min

Lab File: BG060372.D

Acq: 19 Jan 2024 17:00

Instrument :

BNA_G

ClientSampleId :

EO-01-011824

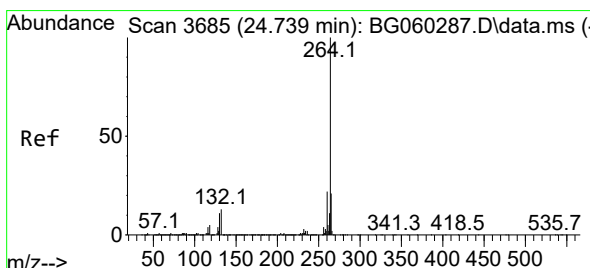
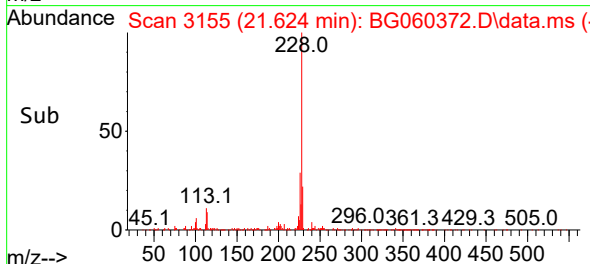
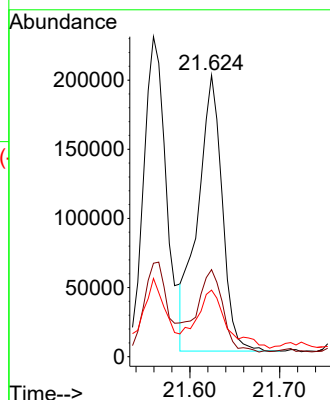
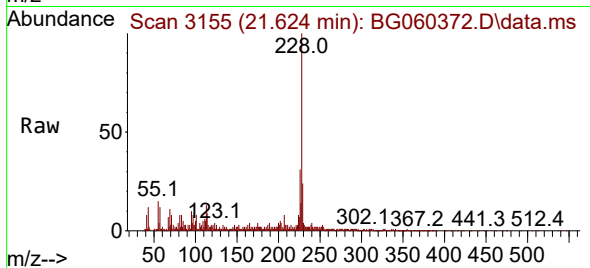
Tgt Ion:228 Resp: 37885

Ion	Ratio	Lower	Upper
228	100		
226	30.9	29.4	44.2
229	23.7	19.2	28.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/22/2024
Supervised By :mohammad ahmed 01/23/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.750 min Scan# 3687

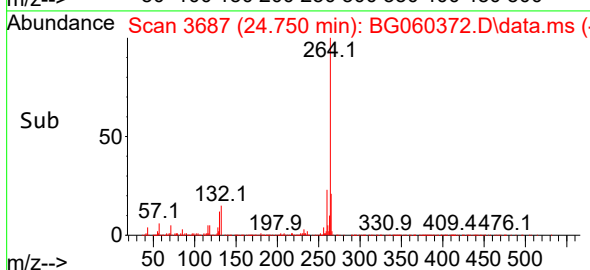
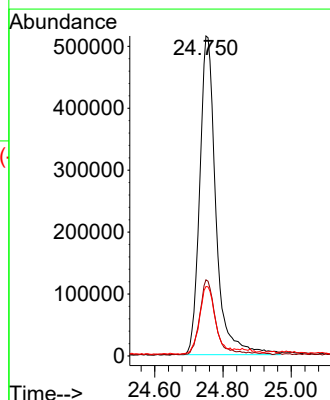
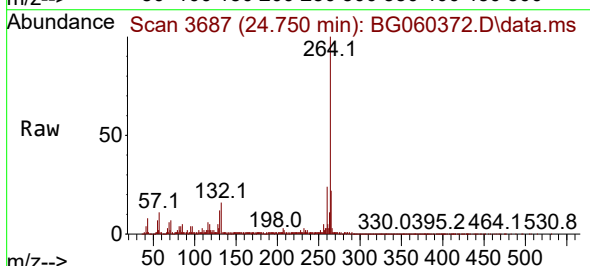
Delta R.T. 0.011 min

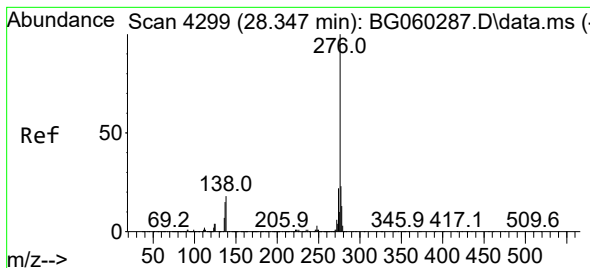
Lab File: BG060372.D

Acq: 19 Jan 2024 17:00

Tgt Ion:264 Resp: 1697186

Ion	Ratio	Lower	Upper
264	100		
260	23.8	17.8	26.6
265	21.7	16.8	25.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.024 ng m

RT: 28.357 min Scan# 41

Delta R.T. 0.011 min

Lab File: BG060372.D

Acq: 19 Jan 2024 17:00

Instrument :

BNA_G

ClientSampleId :

EO-01-011824

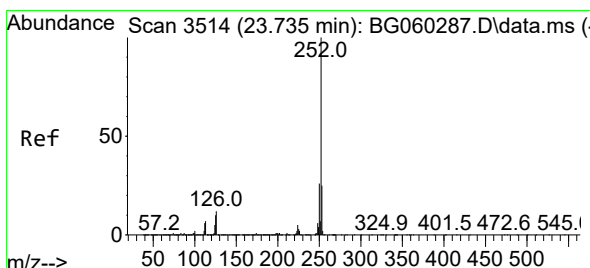
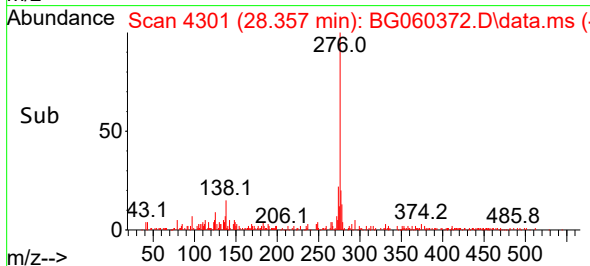
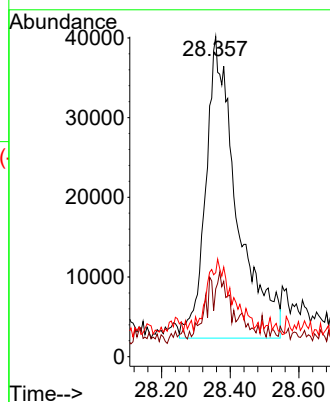
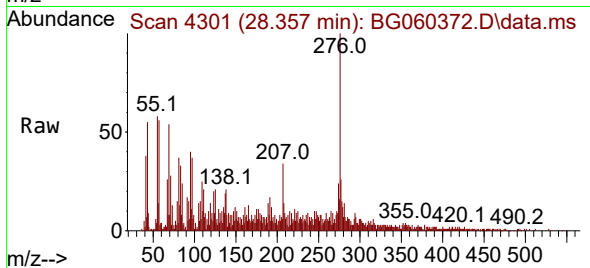
Tgt Ion: 276 Resp: 238820

Ion	Ratio	Lower	Upper
276	100		
138	9.4	12.5	18.7
277	17.3	20.5	30.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/22/2024
Supervised By :mohammad ahmed 01/23/2024



#88

Benzo(b)fluoranthene

Concen: 5.215 ng

RT: 23.751 min Scan# 3517

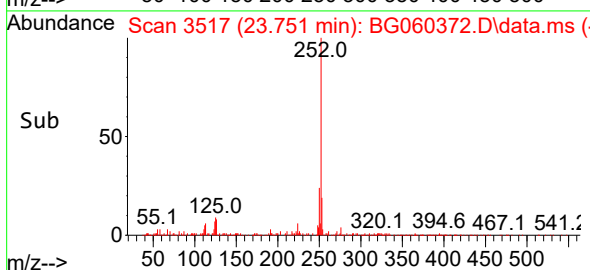
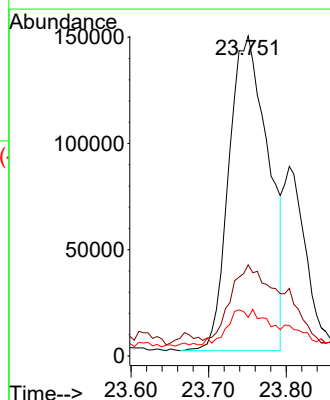
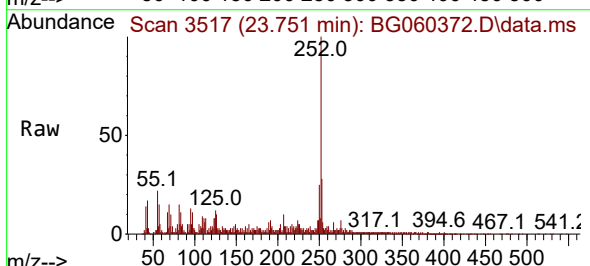
Delta R.T. 0.016 min

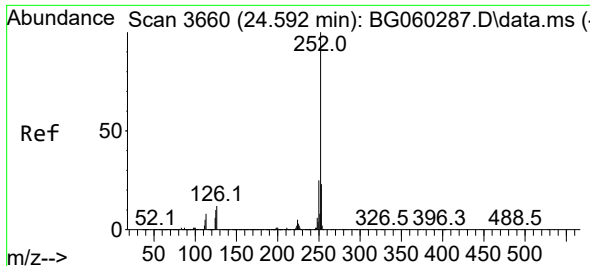
Lab File: BG060372.D

Acq: 19 Jan 2024 17:00

Tgt Ion: 252 Resp: 522862

Ion	Ratio	Lower	Upper
252	100		
253	28.5	20.0	30.0
125	12.1	8.1	12.1





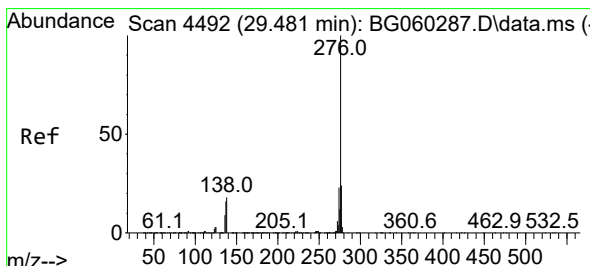
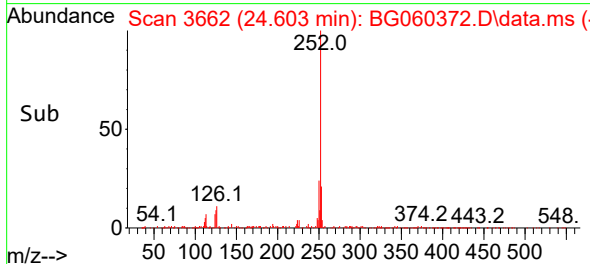
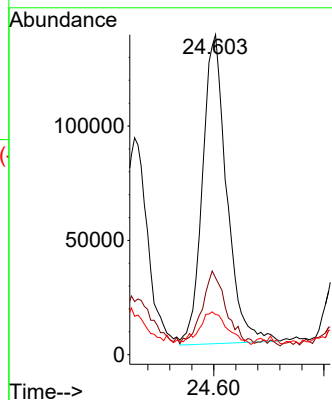
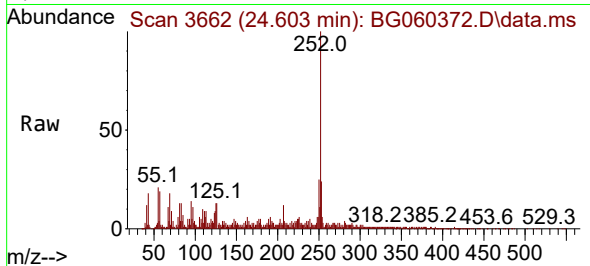
#90
Benzo(a)pyrene
Concen: 4.559 ng
RT: 24.603 min Scan# 3662
Delta R.T. 0.011 min
Lab File: BG060372.D
Acq: 19 Jan 2024 17:00

Instrument :
BNA_G
ClientSampleId :
EO-01-011824

Tgt Ion:252 Resp: 41288
Ion Ratio Lower Upper
252 100
253 24.0 18.1 27.1
125 12.6 8.1 12.1

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 01/22/2024
Supervised By :mohammad ahmed 01/23/2024



#92
Benzo(g,h,i)perylene
Concen: 2.526 ng m
RT: 29.503 min Scan# 4496
Delta R.T. 0.022 min
Lab File: BG060372.D
Acq: 19 Jan 2024 17:00

Tgt Ion:276 Resp: 249474
Ion Ratio Lower Upper
276 100
277 26.7 19.4 29.0
138 21.2 14.2 21.4

