

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
 Data File : BG061680.D
 Acq On : 24 Jun 2024 18:14
 Operator : MA/JU
 Sample : P2856-17
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COSJ2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/27/2024
 Supervised By :mohammad ahmed 06/27/2024

Quant Time: Jun 24 23:39:37 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jun 21 05:03:55 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.077	152	65801	20.000	ng/u1	0.00
20) Naphthalene-d8	10.891	136	349571	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.704	164	257405	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.448	188	522502	20.000	ng/u1	0.00
79) Chrysene-d12	21.714	240	430818	20.000	ng/u1	0.00
88) Perylene-d12	24.945	264	533785	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.476	96	7423	4.075	ng/uL	0.01
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.219	99	159459	22.323	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.401	67	111225	24.978	ng/u1	0.00
11) 2-Chlorophenol-d4	7.601	132	110857	22.615	ng/u1	0.00
15) 4-Methylphenol-d8	8.770	113	93075	16.855	ng/u1	0.00
21) Nitrobenzene-d5	9.234	128	67069	28.257	ng/u1	0.00
24) 2-Nitrophenol-d4	9.963	143	73591	30.612	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.497	165	131497	23.101	ng/u1	0.00
31) 4-Chloroaniline-d4	11.020	131	147461	17.110	ng/u1	0.00
46) Dimethylphthalate-d6	14.111	166	498854	25.184	ng/u1	0.00
49) Acenaphthylene-d8	14.405	160	557127	25.664	ng/u1	0.00
54) 4-Nitrophenol-d4	14.875	143	70457m	20.711	ng/u1	0.00
60) Fluorene-d10	15.697	176	435541	25.116	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.809	200	49117	21.984	ng/u1	0.01
73) Anthracene-d10	17.548	188	692478	29.034	ng/u1	0.00
81) Pyrene-d10	19.828	212	661016	27.468	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.716	264	524633	20.579	ng/u1	0.00
Target Compounds	Qvalue					
30) Naphthalene	10.950	128	4804987	245.658	ng/u1#	92
36) 2-Methylnaphthalene	12.548	142	2978861	215.836	ng/u1	98
37) 1-Methylnaphthalene	12.765	142	1875116	127.332	ng/u1	93
43) 1,1'-Biphenyl	13.541	154	536580	28.777	ng/u1	99
50) Acenaphthylene	14.434	152	2146258	88.571	ng/u1	95
52) Acenaphthene	14.769	153	197436	11.765	ng/u1	96
56) Dibenzofuran	15.104	168	174978	7.451	ng/u1	90
61) Fluorene	15.756	166	1435913	73.883	ng/u1	96
72) Phenanthrene	17.501	178	5342926m	194.369	ng/u1	
74) Anthracene	17.589	178	1882661	66.975	ng/u1	98
80) Fluoranthene	19.499	202	2649892	94.904	ng/u1	98
82) Pyrene	19.863	202	3222593	108.544	ng/u1	99
85) Benzo(a)anthracene	21.696	228	1577978m	52.180	ng/u1	
87) Chrysene	21.761	228	1284918	44.904	ng/u1	100
90) Benzo(b)fluoranthene	23.923	252	1026884	32.003	ng/u1	98
91) Benzo(k)fluoranthene	23.982	252	326996m	9.909	ng/u1	
93) Benzo(a)pyrene	24.792	252	779199	25.224	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	28.629	276	356041	9.249	ng/u1	92
95) Dibenzo(a,h)anthracene	28.676	278	147433m	4.606	ng/u1	
96) Benzo(g,h,i)perylene	29.751	276	56015m	1.805	ng/u1	

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

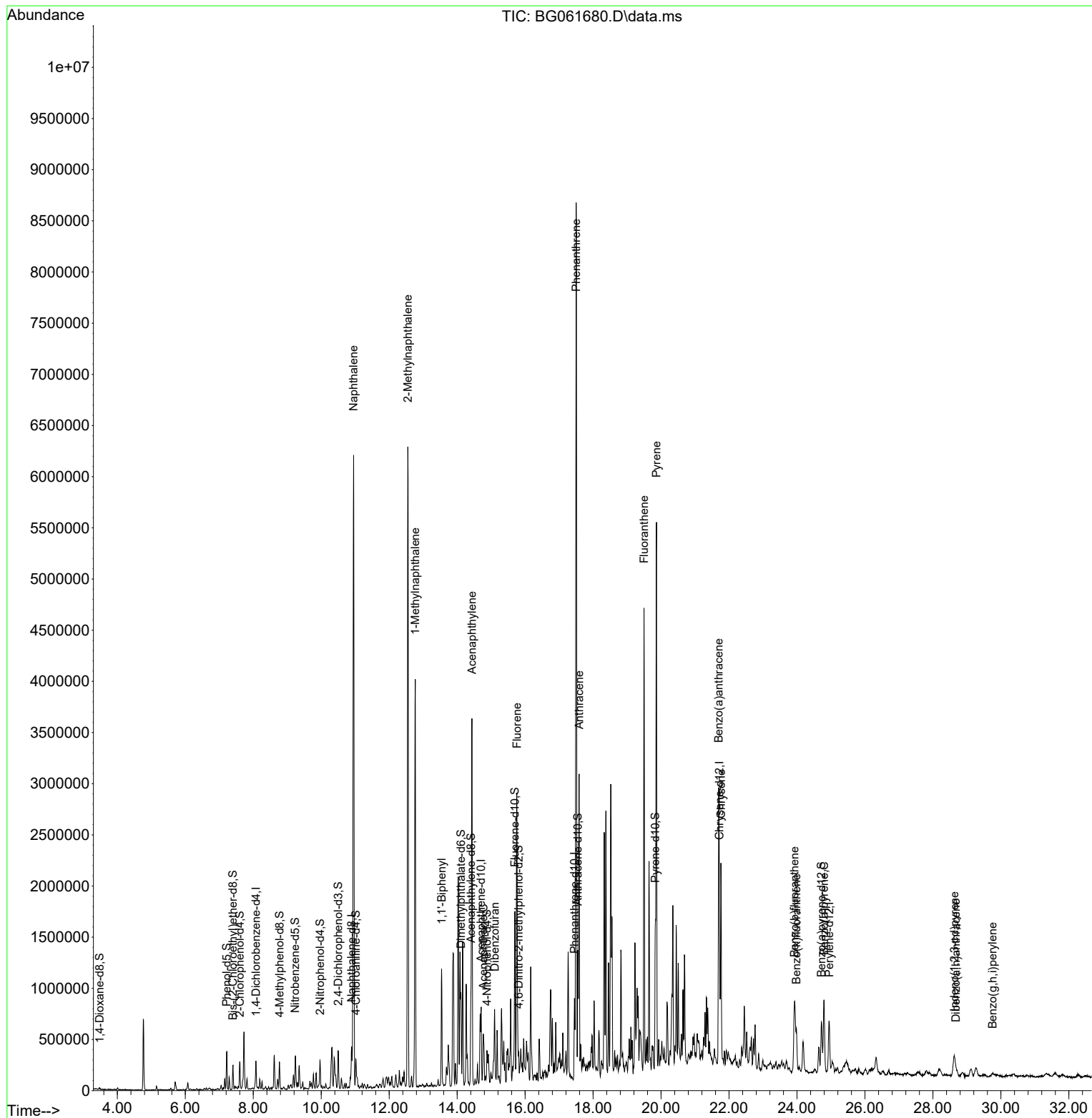
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061680.D
Acq On : 24 Jun 2024 18:14
Operator : MA/JU
Sample : P2856-17
Misc :
ALS Vial : 13 Sample Multiplier: 1

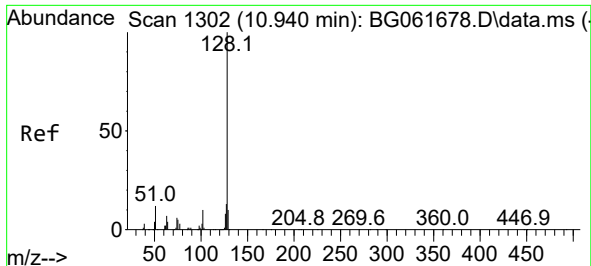
Instrument :
BNA_G
ClientSampleId :
C0SJ2

Manual Integrations
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Supervised By :mohammad ahmed 06/27/2024

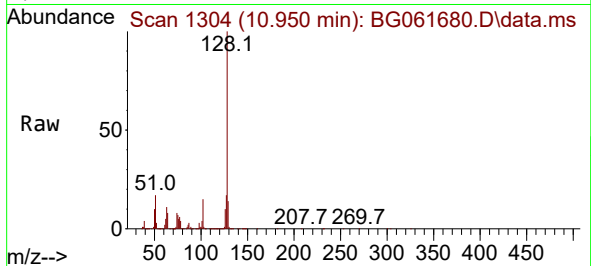
Quant Time: Jun 24 23:39:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 21 05:03:55 2024
Response via : Initial Calibration





#30
Naphthalene
Concen: 245.658 ng/ul
RT: 10.950 min Scan# 11
Delta R.T. 0.012 min
Lab File: BG061680.D
Acq: 24 Jun 2024 18:14

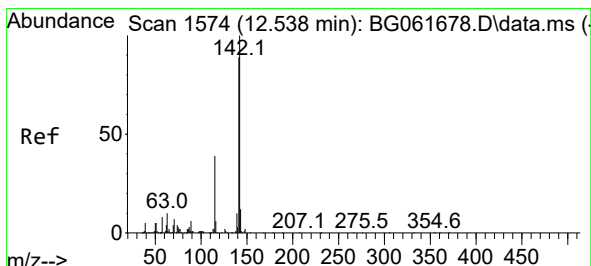
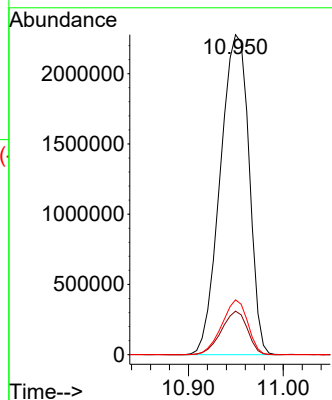
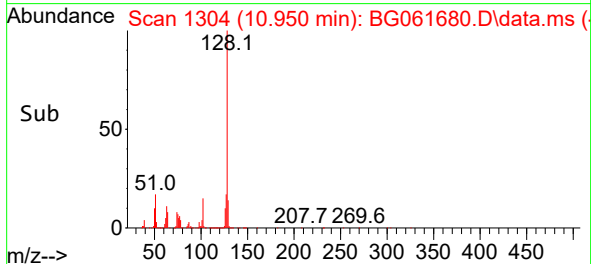
Instrument :
BNA_G
ClientSampleId :
C0SJ2



Tgt Ion:128 Resp: 480498
Ion Ratio Lower Upper
128 100
129 13.6 9.0 13.6
127 17.2 10.5 15.7

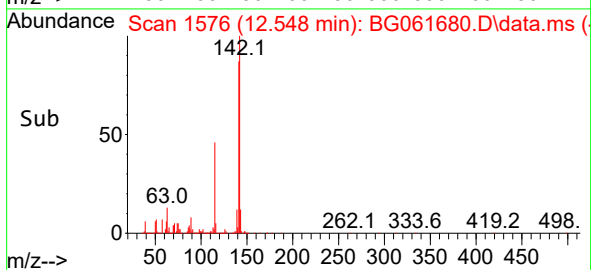
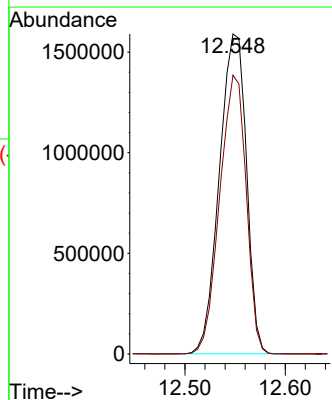
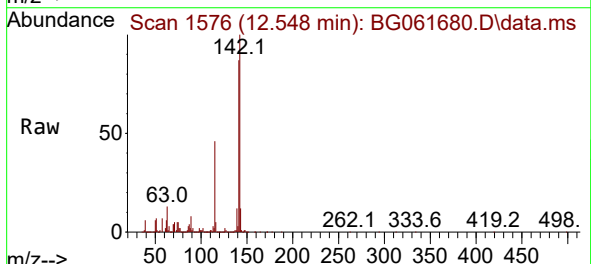
Manual Integrations
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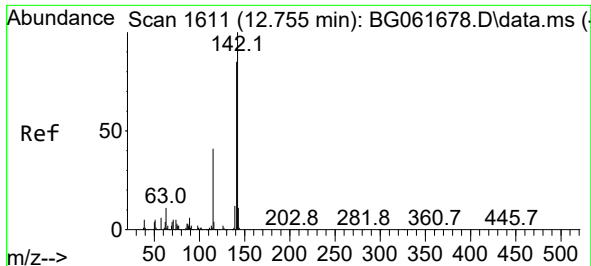
Reviewed By :Yogesh Patel 06/27/2024
Supervised By :mohammad ahmed 06/27/2024



#36
2-Methylnaphthalene
Concen: 215.836 ng/ul
RT: 12.548 min Scan# 1576
Delta R.T. 0.006 min
Lab File: BG061680.D
Acq: 24 Jun 2024 18:14

Tgt Ion:142 Resp: 2978861
Ion Ratio Lower Upper
142 100
141 87.1 68.5 102.7





#37

1-Methylnaphthalene

Concen: 127.332 ng/ul

RT: 12.765 min Scan# 1

Delta R.T. 0.012 min

Lab File: BG061680.D

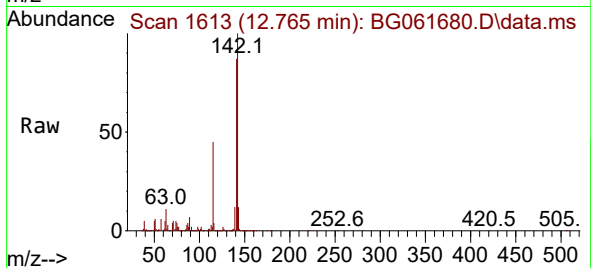
Acq: 24 Jun 2024 18:14

Instrument :

BNA_G

ClientSampleId :

C0SJ2



Tgt Ion:142 Resp: 187511

Ion Ratio Lower Upper

142 100

141 87.4 64.6 97.0

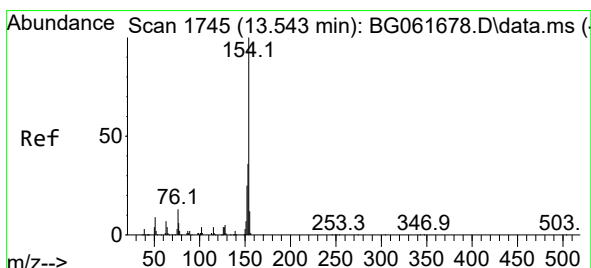
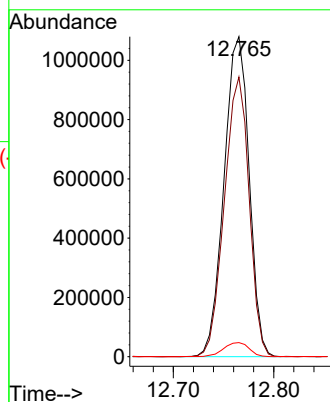
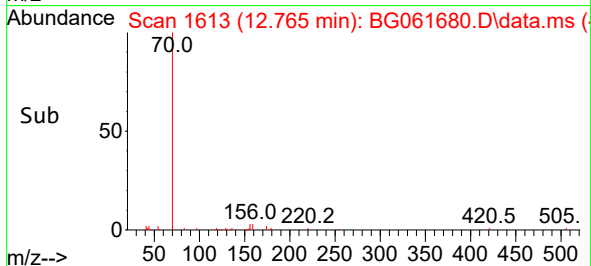
116 4.4 3.0 4.6

Manual Integrations

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#43

1,1'-Biphenyl

Concen: 28.777 ng/ul

RT: 13.541 min Scan# 1745

Delta R.T. 0.000 min

Lab File: BG061680.D

Acq: 24 Jun 2024 18:14

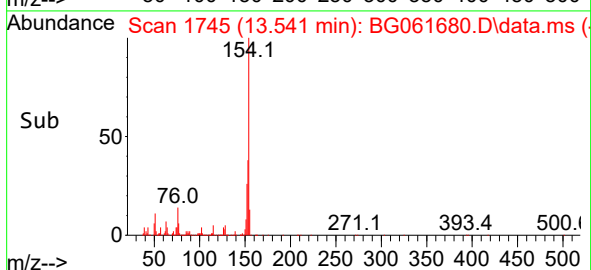
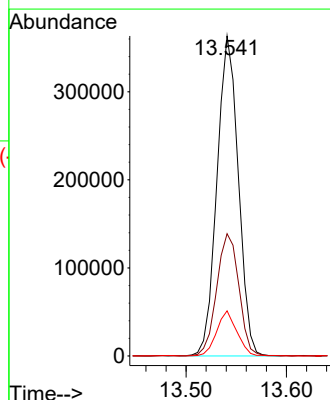
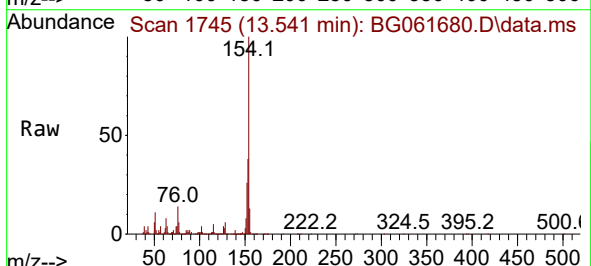
Tgt Ion:154 Resp: 536580

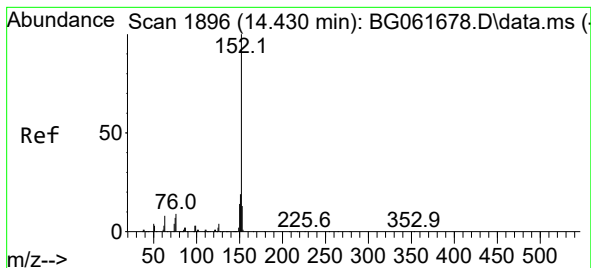
Ion Ratio Lower Upper

154 100

153 38.2 31.4 47.0

76 14.1 11.0 16.4





#50

Acenaphthylene

Concen: 88.571 ng/ul

RT: 14.434 min Scan# 1896

Delta R.T. 0.006 min

Lab File: BG061680.D

Acq: 24 Jun 2024 18:14

Instrument :

BNA_G

ClientSampleId :

C0SJ2

Tgt Ion:152 Resp: 2146258

Ion Ratio Lower Upper

152 100

151 21.9 15.3 22.9

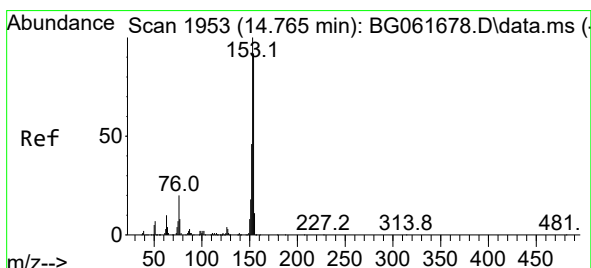
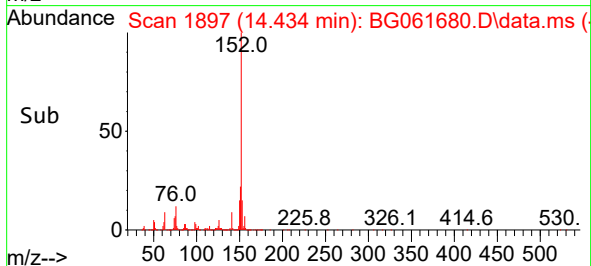
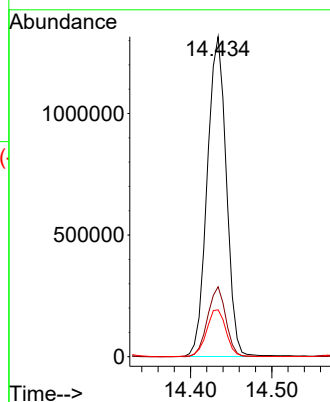
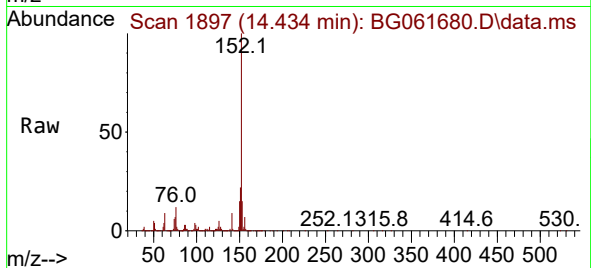
153 14.7 11.0 16.4

Manual Integrations

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Supervised By :mohammad ahmed 06/27/2024



#52

Acenaphthene

Concen: 11.765 ng/ul

RT: 14.769 min Scan# 1954

Delta R.T. 0.000 min

Lab File: BG061680.D

Acq: 24 Jun 2024 18:14

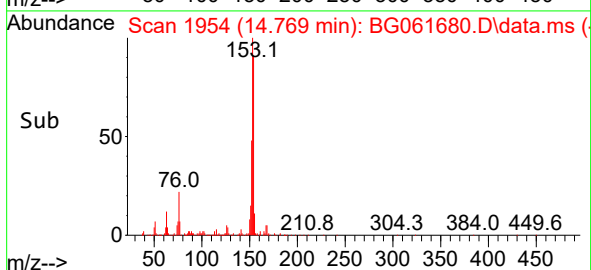
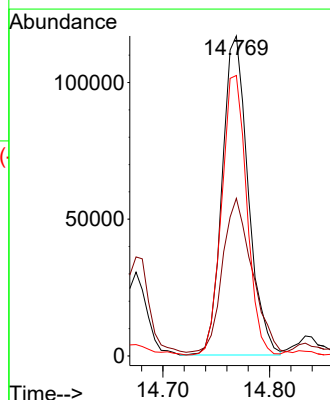
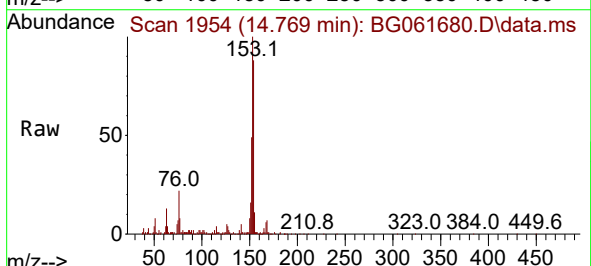
Tgt Ion:153 Resp: 197436

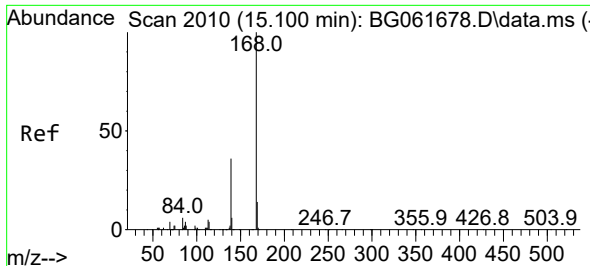
Ion Ratio Lower Upper

153 100

152 49.3 40.0 60.0

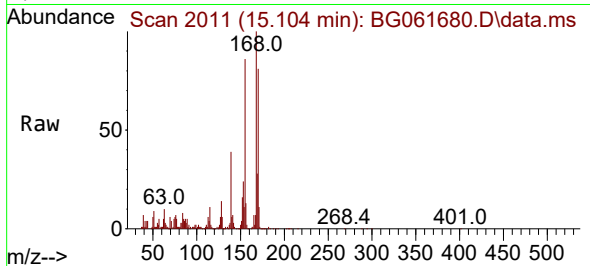
154 87.6 74.1 111.1





#56
Dibenzofuran
Concen: 7.451 ng/ul
RT: 15.104 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BG061680.D
Acq: 24 Jun 2024 18:14

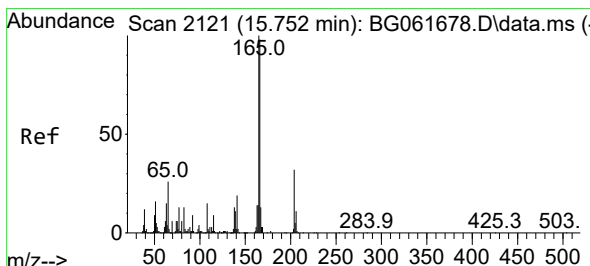
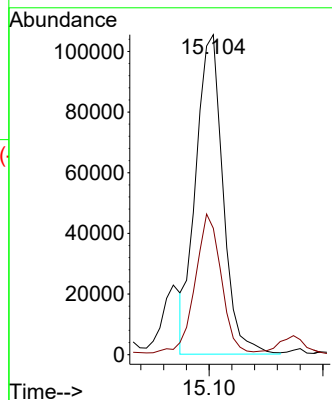
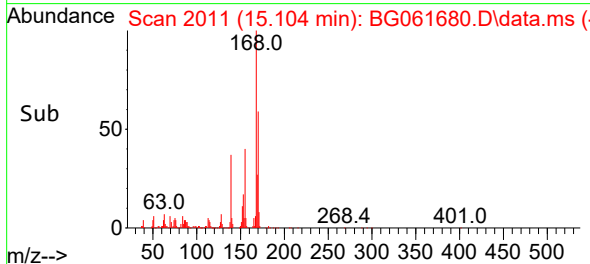
Instrument :
BNA_G
ClientSampleId :
C0SJ2



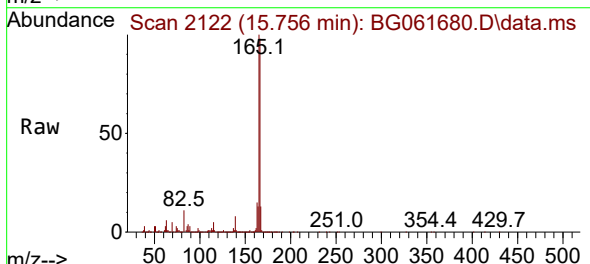
Tgt Ion:168 Resp: 174978
Ion Ratio Lower Upper
168 100
139 39.5 27.0 40.4

Manual Integrations
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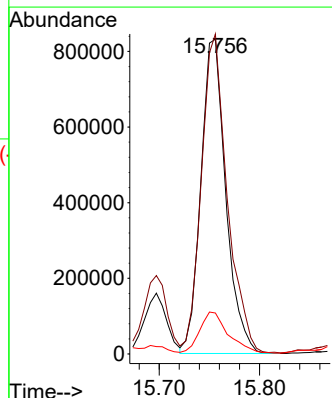
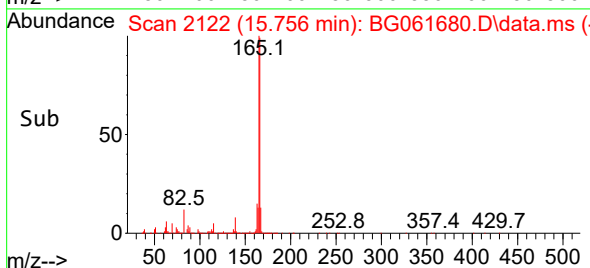
Reviewed By :Yogesh Patel 06/27/2024
Supervised By :mohammad ahmed 06/27/2024

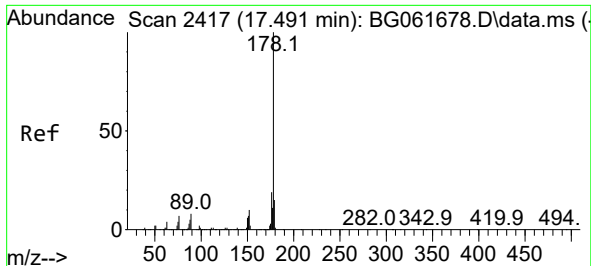


#61
Fluorene
Concen: 73.883 ng/ul
RT: 15.756 min Scan# 2122
Delta R.T. 0.006 min
Lab File: BG061680.D
Acq: 24 Jun 2024 18:14



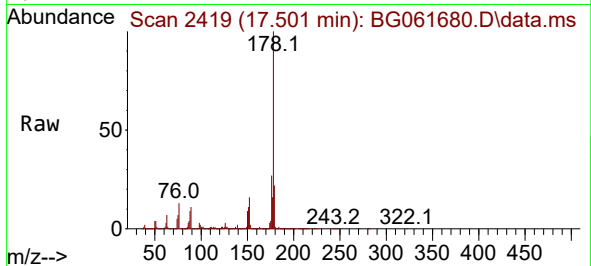
Tgt Ion:166 Resp: 1435913
Ion Ratio Lower Upper
166 100
165 101.7 84.9 127.3
167 13.0 10.9 16.3





#72
Phenanthrene
Concen: 194.369 ng/ul m
RT: 17.501 min Scan# 2419
Delta R.T. 0.012 min
Lab File: BG061680.D
Acq: 24 Jun 2024 18:14

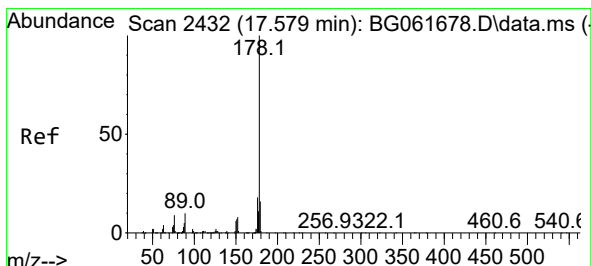
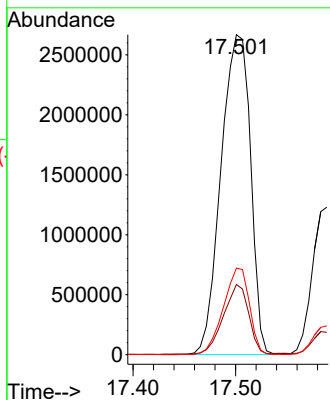
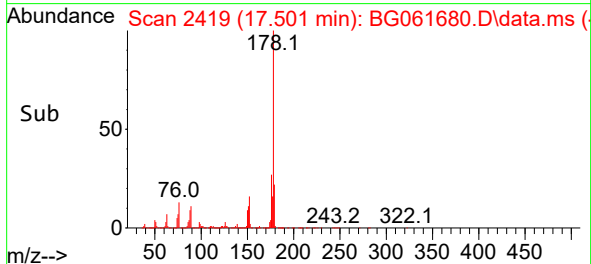
Instrument :
BNA_G
ClientSampleId :
C0SJ2



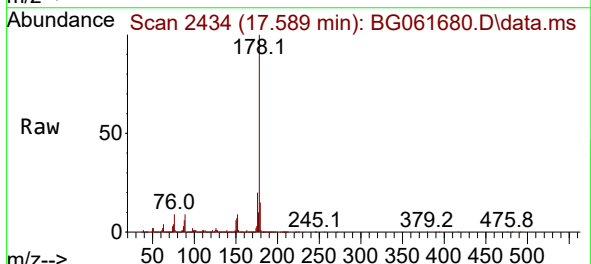
Tgt Ion:178 Resp: 5342920
Ion Ratio Lower Upper
178 100
179 22.0 12.0 18.0
176 27.1 16.2 24.2

Manual Integrations
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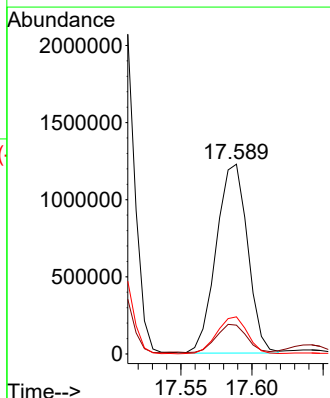
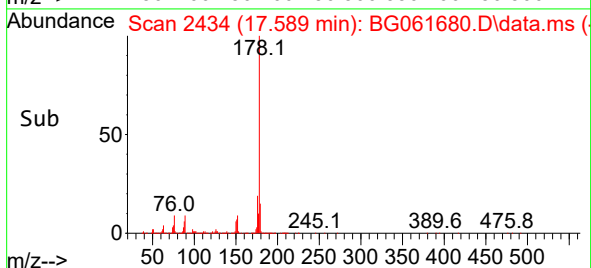
Reviewed By :Yogesh Patel 06/27/2024
Supervised By :mohammad ahmed 06/27/2024

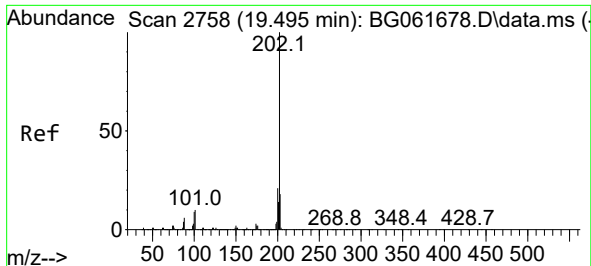


#74
Anthracene
Concen: 66.975 ng/ul
RT: 17.589 min Scan# 2434
Delta R.T. 0.012 min
Lab File: BG061680.D
Acq: 24 Jun 2024 18:14



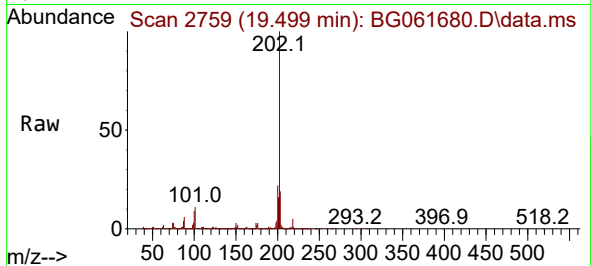
Tgt Ion:178 Resp: 1882661
Ion Ratio Lower Upper
178 100
179 15.2 11.4 17.2
176 19.5 14.7 22.1





#80
Fluoranthene
Concen: 94.904 ng/ul
RT: 19.499 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG061680.D
Acq: 24 Jun 2024 18:14

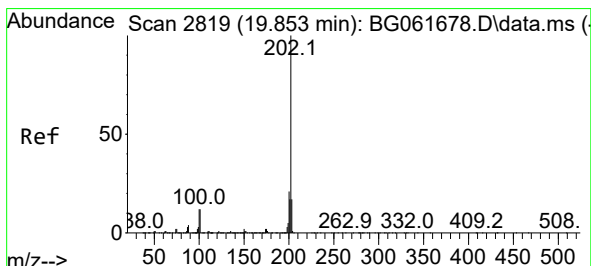
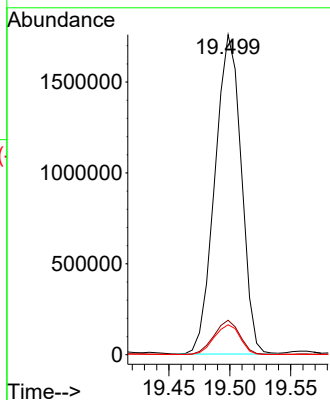
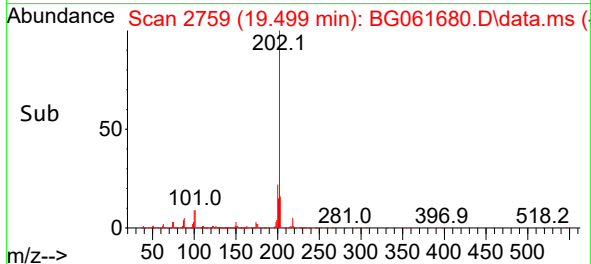
Instrument :
BNA_G
ClientSampleId :
C0SJ2



Tgt Ion:202 Resp: 2649892
Ion Ratio Lower Upper
202 100
101 10.8 7.8 11.6
100 9.4 7.7 11.5

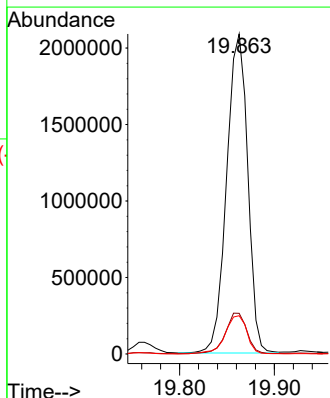
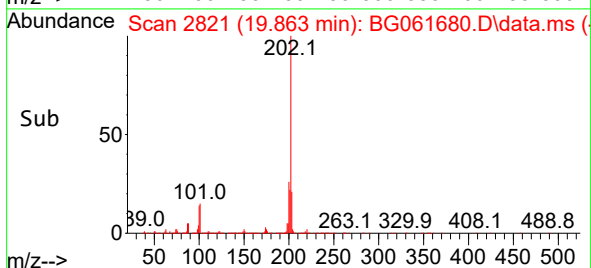
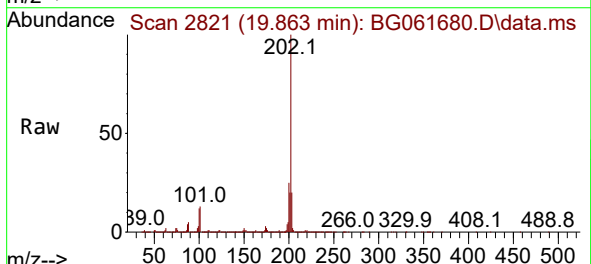
Manual Integrations
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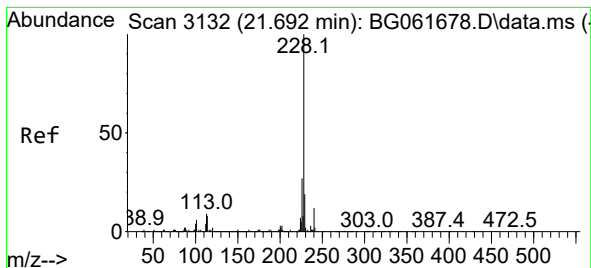
Reviewed By :Yogesh Patel 06/27/2024
Supervised By :mohammad ahmed 06/27/2024



#82
Pyrene
Concen: 108.544 ng/ul
RT: 19.863 min Scan# 2821
Delta R.T. 0.012 min
Lab File: BG061680.D
Acq: 24 Jun 2024 18:14

Tgt Ion:202 Resp: 3222593
Ion Ratio Lower Upper
202 100
101 12.7 10.1 15.1
100 11.9 9.9 14.9





#85

Benzo(a)anthracene

Concen: 52.180 ng/ul m

RT: 21.696 min Scan# 3132

Delta R.T. 0.006 min

Lab File: BG061680.D

Acq: 24 Jun 2024 18:14

Instrument :

BNA_G

ClientSampleId :

C0SJ2

Tgt Ion:228 Resp: 1577978

Ion Ratio Lower Upper

228 100

229 21.4 15.8 23.8

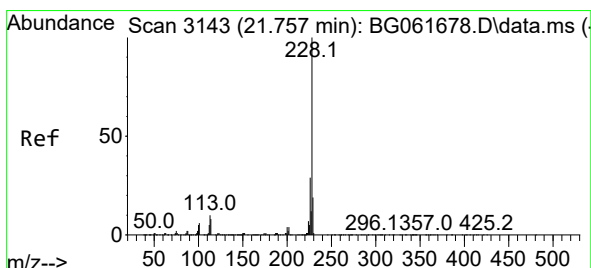
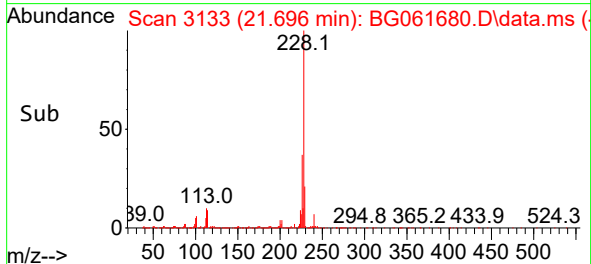
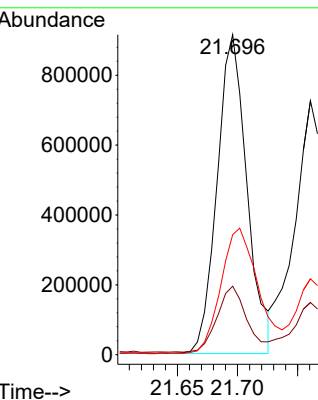
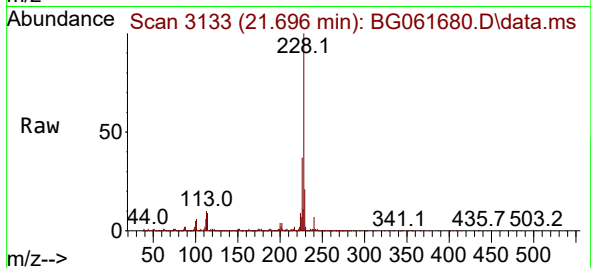
226 37.5 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/27/2024

Supervised By :mohammad ahmed 06/27/2024



#87

Chrysene

Concen: 44.904 ng/ul

RT: 21.761 min Scan# 3144

Delta R.T. 0.000 min

Lab File: BG061680.D

Acq: 24 Jun 2024 18:14

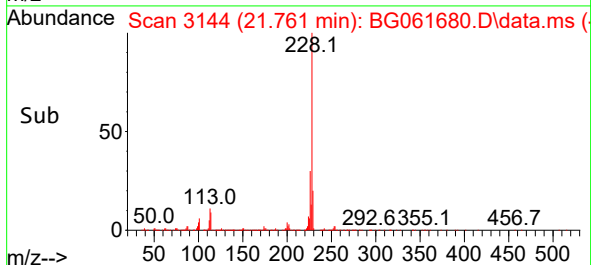
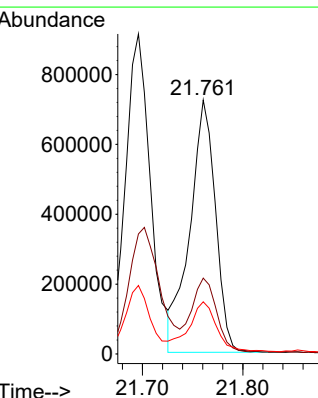
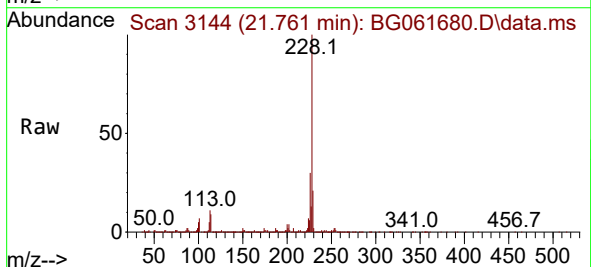
Tgt Ion:228 Resp: 1284918

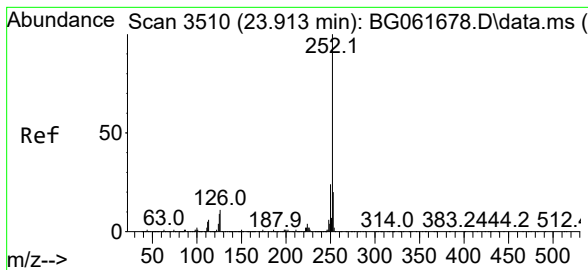
Ion Ratio Lower Upper

228 100

226 29.9 24.2 36.2

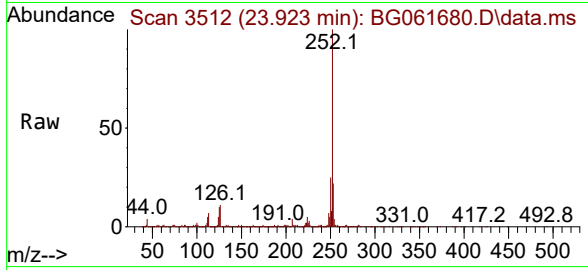
229 20.6 16.5 24.7





#90
Benzo(b)fluoranthene
Concen: 32.003 ng/ul
RT: 23.923 min Scan# 3510
Delta R.T. 0.006 min
Lab File: BG061680.D
Acq: 24 Jun 2024 18:14

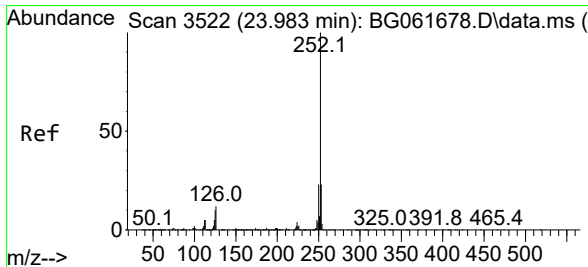
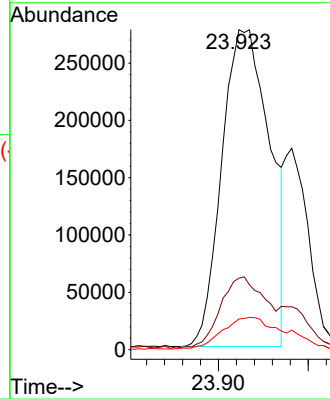
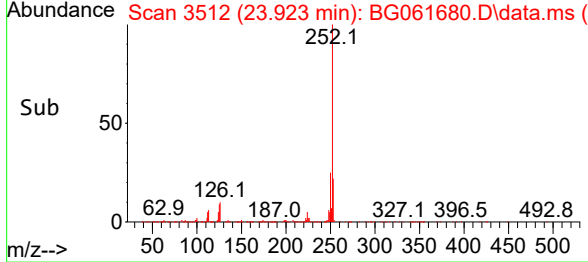
Instrument :
BNA_G
ClientSampleId :
COSJ2



Tgt Ion:252 Resp: 1026884
Ion Ratio Lower Upper
252 100
253 22.4 18.6 27.8
125 9.6 7.0 10.6

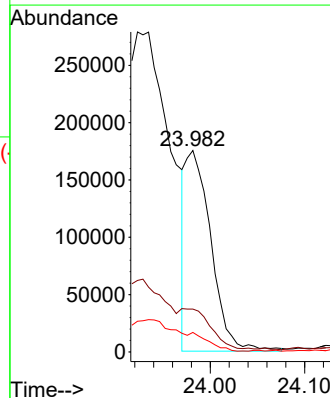
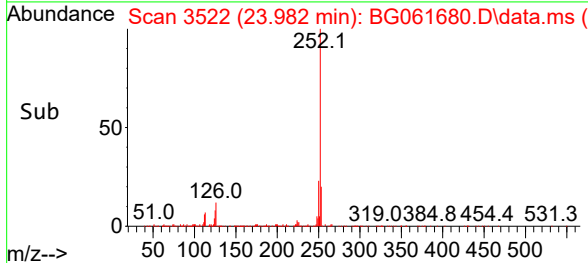
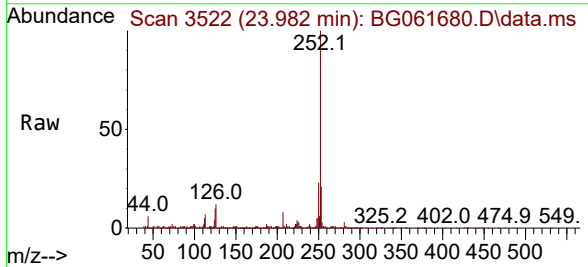
Manual Integrations
APPROVED

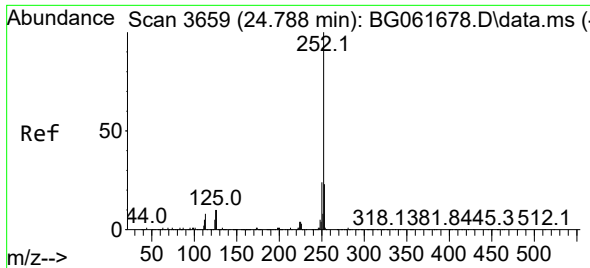
Reviewed By :Yogesh Patel 06/27/2024
Supervised By :mohammad ahmed 06/27/2024



#91
Benzo(k)fluoranthene
Concen: 9.909 ng/ul m
RT: 23.982 min Scan# 3522
Delta R.T. 0.000 min
Lab File: BG061680.D
Acq: 24 Jun 2024 18:14

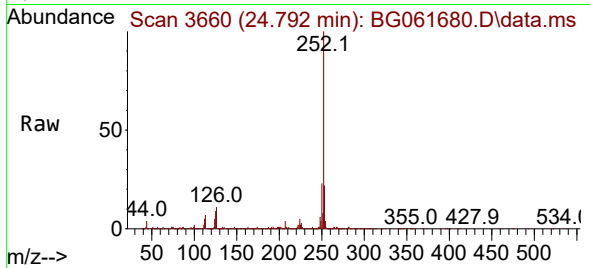
Tgt Ion:252 Resp: 326996
Ion Ratio Lower Upper
252 100
253 21.3 17.8 26.6
125 9.7 6.2 9.2#





#93
Benzo(a)pyrene
Concen: 25.224 ng/ul
RT: 24.792 min Scan# 3660
Delta R.T. 0.000 min
Lab File: BG061680.D
Acq: 24 Jun 2024 18:14

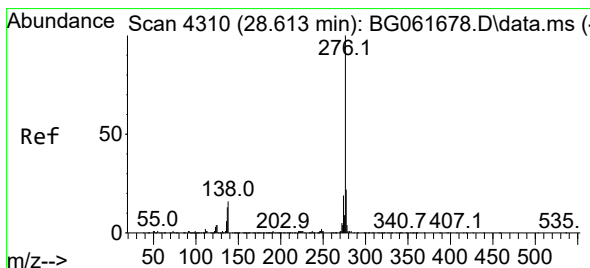
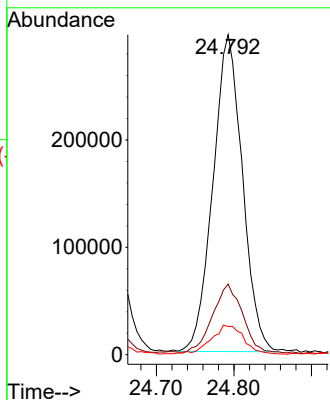
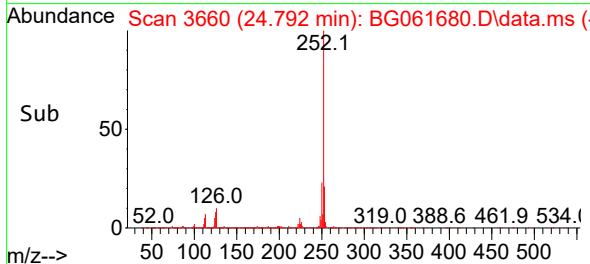
Instrument :
BNA_G
ClientSampleId :
C0SJ2



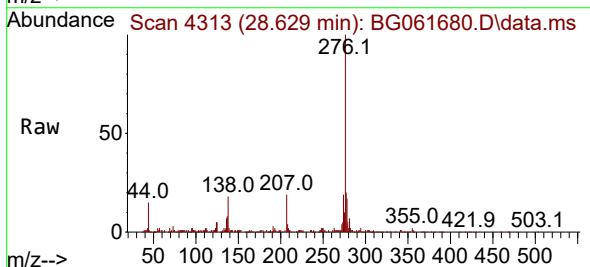
Tgt Ion:252 Resp: 779199
Ion Ratio Lower Upper
252 100
253 22.1 16.8 25.2
125 8.8 6.5 9.7

Manual Integrations
APPROVED

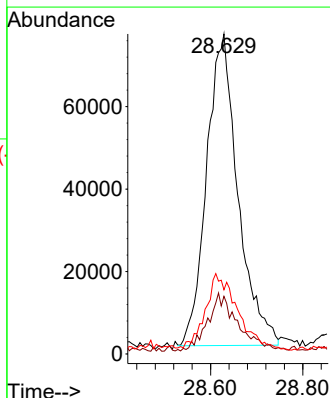
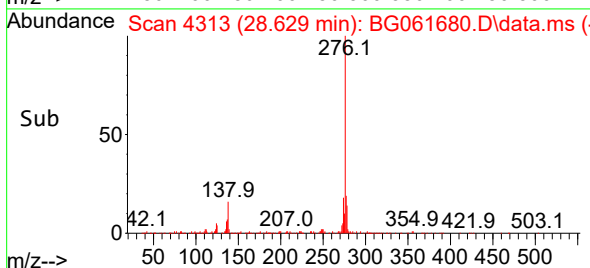
Reviewed By :Yogesh Patel 06/27/2024
Supervised By :mohammad ahmed 06/27/2024

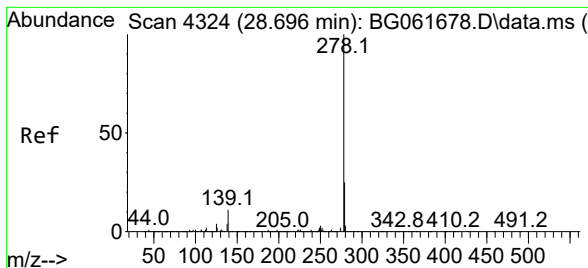


#94
Indeno(1,2,3-cd)pyrene
Concen: 9.249 ng/ul
RT: 28.629 min Scan# 4313
Delta R.T. 0.012 min
Lab File: BG061680.D
Acq: 24 Jun 2024 18:14



Tgt Ion:276 Resp: 356041
Ion Ratio Lower Upper
276 100
138 18.0 12.2 18.4
277 20.1 19.7 29.5





#95

Dibenzo(a,h)anthracene

Concen: 4.606 ng/ul m

RT: 28.676 min Scan# 41

Delta R.T. -0.023 min

Lab File: BG061680.D

Acq: 24 Jun 2024 18:14

Instrument :

BNA_G

ClientSampleId :

C0SJ2

Tgt Ion:278 Resp: 14743

Ion Ratio Lower Upper

278 100

139 9.0 9.1 13.7

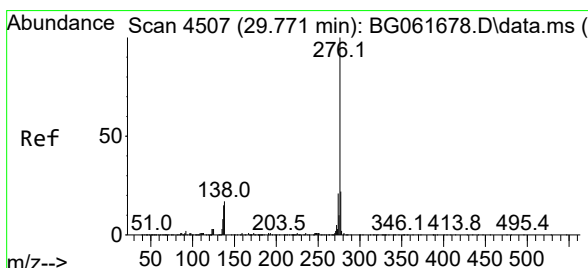
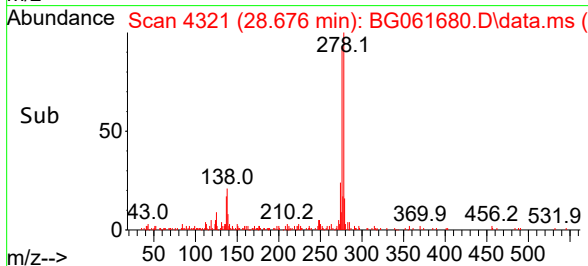
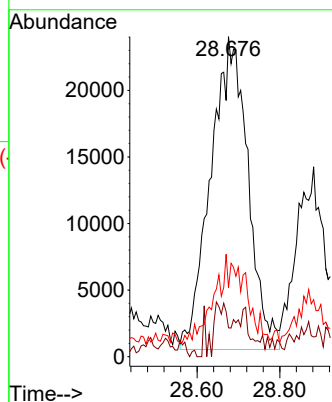
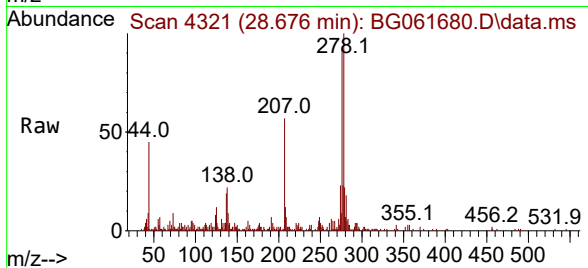
279 21.5 18.6 28.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/27/2024

Supervised By :mohammad ahmed 06/27/2024



#96

Benzo(g,h,i)perylene

Concen: 1.805 ng/ul m

RT: 29.751 min Scan# 4504

Delta R.T. -0.006 min

Lab File: BG061680.D

Acq: 24 Jun 2024 18:14

Tgt Ion:276 Resp: 56015

Ion Ratio Lower Upper

276 100

138 18.4 12.2 18.4

277 26.0 18.6 27.8

