

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
 Data File : BG061722.D
 Acq On : 26 Jun 2024 4:48
 Operator : MA/JU
 Sample : P2873-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0SG7

Manual Integrations
 APPROVED

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

Quant Time: Jun 26 05:32:24 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	8.070	152	58541	20.000	ng/ul	0.00
20) Naphthalene-d8	10.890	136	291697	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.698	164	220003	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.441	188	488508	20.000	ng/ul	0.00
79) Chrysene-d12	21.707	240	400049	20.000	ng/ul	0.00
88) Perylene-d12	24.933	264	490460	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.470	96	6008	3.707	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/ul	
7) Phenol-d5	7.212	99	125605	19.764	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.394	67	91450	23.084	ng/ul	0.00
11) 2-Chlorophenol-d4	7.594	132	91235	20.920	ng/ul	0.00
15) 4-Methylphenol-d8	8.763	113	58765	11.961	ng/ul	0.00
21) Nitrobenzene-d5	9.233	128	54655	27.595	ng/ul	0.00
24) 2-Nitrophenol-d4	9.962	143	61024	30.421	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.497	165	100025	21.058	ng/ul	0.00
31) 4-Chloroaniline-d4	11.014	131	92567	12.872	ng/ul	0.00
46) Dimethylphthalate-d6	14.104	166	430048	25.401	ng/ul	0.00
49) Acenaphthylene-d8	14.398	160	466591	25.148	ng/ul	0.00
54) 4-Nitrophenol-d4	14.874	143	55193	18.982	ng/ul	0.00
60) Fluorene-d10	15.691	176	387986	26.177	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.802	200	47465	22.723	ng/ul	0.00
73) Anthracene-d10	17.547	188	617010	27.670	ng/ul	0.00
81) Pyrene-d10	19.821	212	584351	26.150	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.709	264	454282	19.393	ng/ul	-0.01
Target Compounds					Qvalue	
30) Naphthalene	10.949	128	6012266	368.367	ng/ul#	87
36) 2-Methylnaphthalene	12.541	142	2702556	234.667	ng/ul	98
37) 1-Methylnaphthalene	12.759	142	1706216	138.851	ng/ul	95
43) 1,1'-Biphenyl	13.534	154	447890	28.105	ng/ul	98
50) Acenaphthylene	14.427	152	2071167	100.003	ng/ul	97
52) Acenaphthene	14.762	153	164021	11.435	ng/ul	93
56) Dibenzofuran	15.097	168	168477	8.394	ng/ul#	82
61) Fluorene	15.749	166	1198372	72.143	ng/ul	93
72) Phenanthrene	17.494	178	4706634m	183.136	ng/ul	
74) Anthracene	17.582	178	1560364	59.372	ng/ul	97
80) Fluoranthene	19.492	202	2215814	85.461	ng/ul	98
82) Pyrene	19.856	202	2684851	97.387	ng/ul	98
85) Benzo(a)anthracene	21.689	228	1300315	46.305	ng/ul#	87
87) Chrysene	21.754	228	1059247	39.864	ng/ul	97
90) Benzo(b)fluoranthene	23.916	252	813898	27.606	ng/ul	99
91) Benzo(k)fluoranthene	23.969	252	269130	8.876	ng/ul	98
93) Benzo(a)pyrene	24.780	252	597012	21.033	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	28.599	276	290518m	8.214	ng/ul	
95) Dibenzo(a,h)anthracene	28.646	278	116230m	3.952	ng/ul	
96) Benzo(g,h,i)perylene	29.721	276	43894m	1.540	ng/ul	

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

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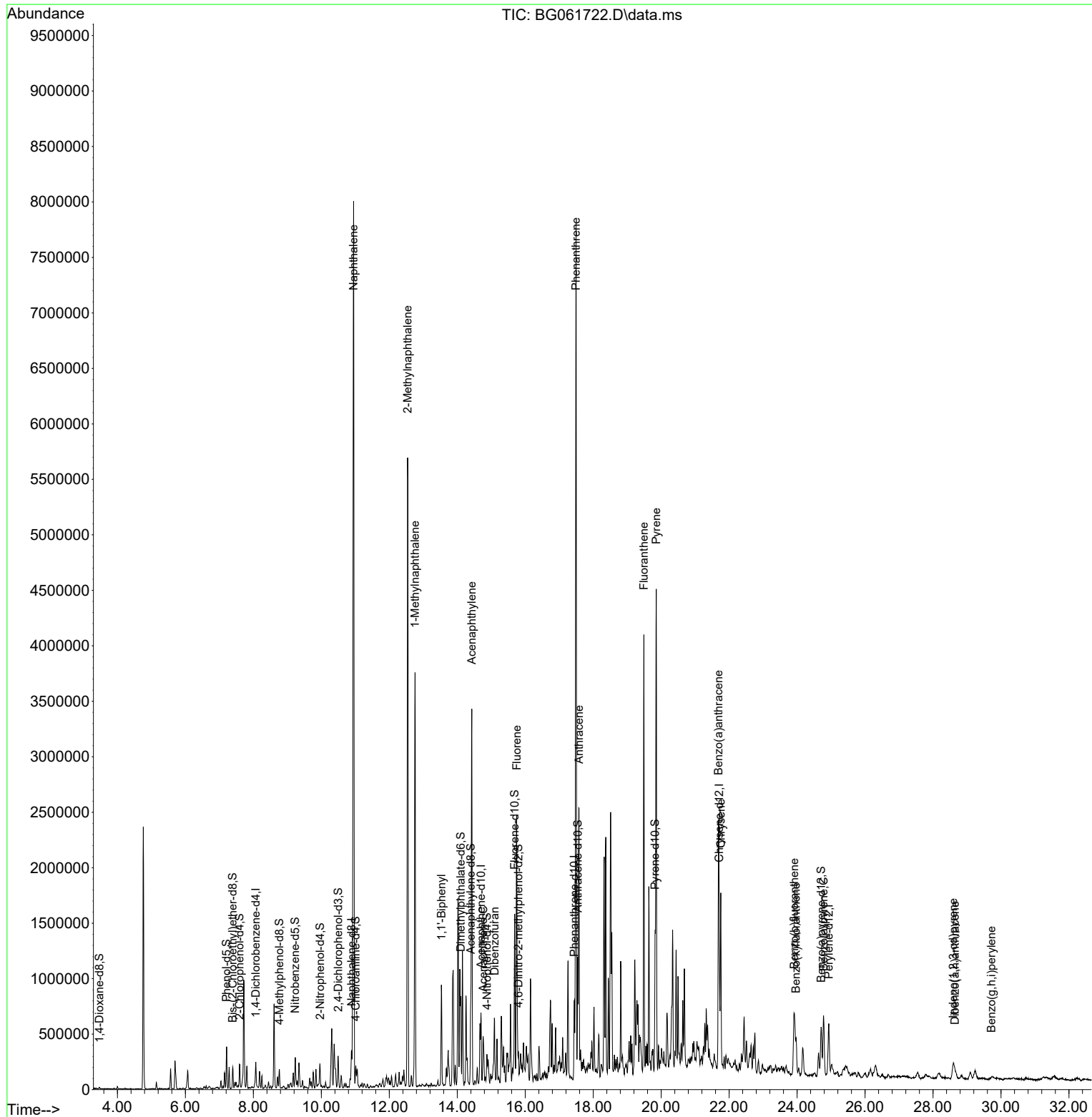
Quant Time: Jun 26 05:32:24 2024

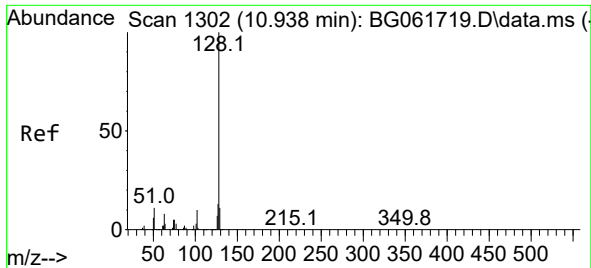
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Fri Jun 21 05:03:55 2024

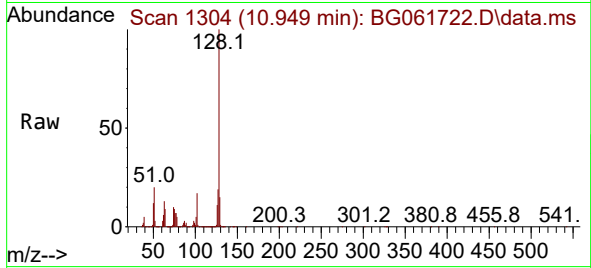
Response via : Initial Calibration





#30
Naphthalene
Concen: 368.367 ng/ul
RT: 10.949 min Scan# 1304
Delta R.T. 0.011 min
Lab File: BG061722.D
Acq: 26 Jun 2024 4:48

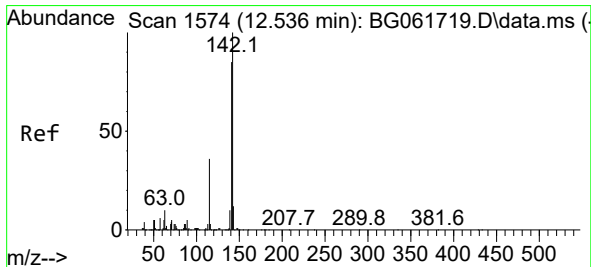
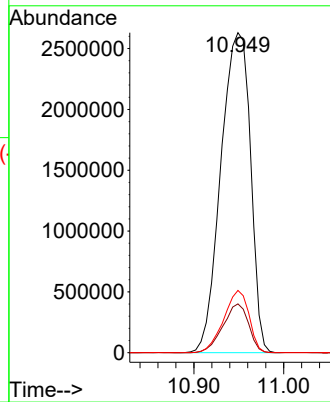
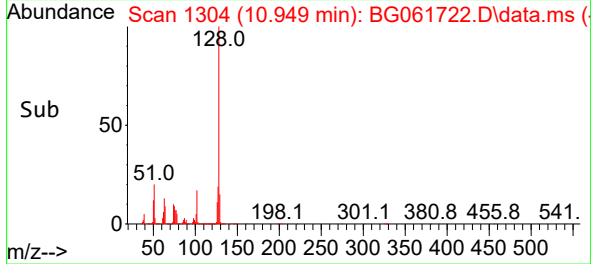
Instrument :
BNA_G
ClientSampleId :
C0SG7



Tgt Ion:128 Resp: 601226
Ion Ratio Lower Upper
128 100
129 15.3 9.0 13.6
127 19.5 10.5 15.7

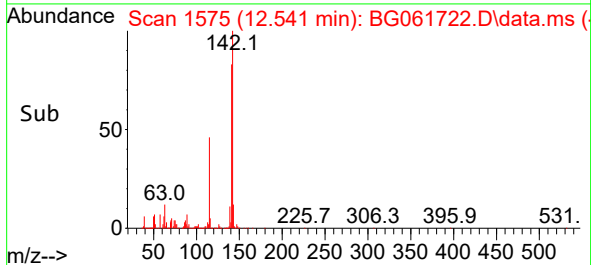
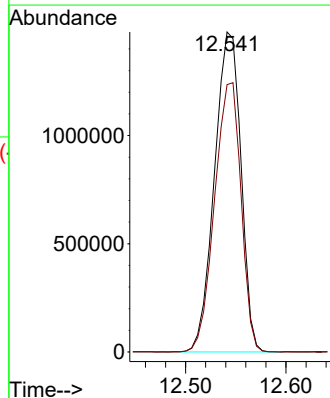
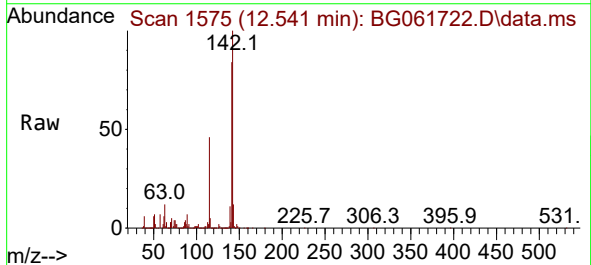
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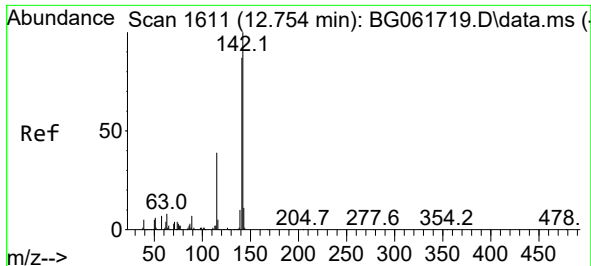
Reviewed By :Yogesh Patel 06/27/2024
Supervised By :mohammad ahmed 06/27/2024



#36
2-Methylnaphthalene
Concen: 234.667 ng/ul
RT: 12.541 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BG061722.D
Acq: 26 Jun 2024 4:48

Tgt Ion:142 Resp: 2702556
Ion Ratio Lower Upper
142 100
141 83.6 68.5 102.7





#37

1-Methylnaphthalene

Concen: 138.851 ng/ul

RT: 12.759 min Scan# 1

Delta R.T. 0.005 min

Lab File: BG061722.D

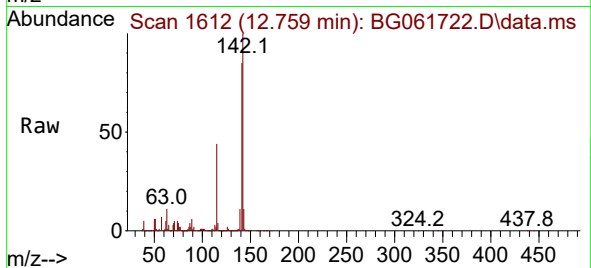
Acq: 26 Jun 2024 4:48

Instrument :

BNA_G

ClientSampleId :

C0SG7



Tgt Ion:142 Resp: 1706210

Ion Ratio Lower Upper

142 100

141 85.1 64.6 97.0

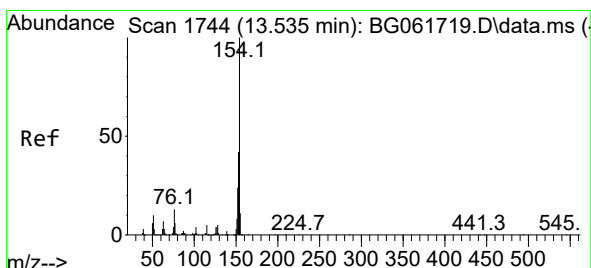
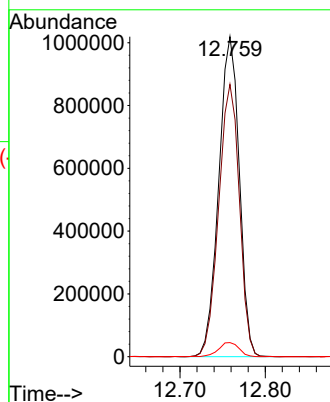
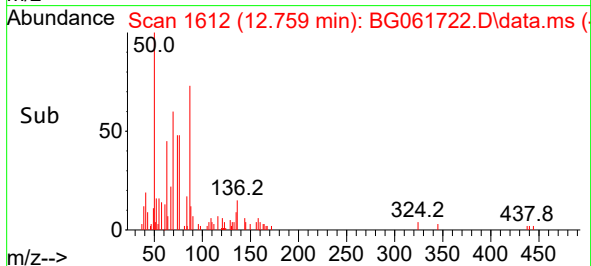
116 4.4 3.0 4.6

Manual Integrations

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#43

1,1'-Biphenyl

Concen: 28.105 ng/ul

RT: 13.534 min Scan# 1744

Delta R.T. -0.006 min

Lab File: BG061722.D

Acq: 26 Jun 2024 4:48

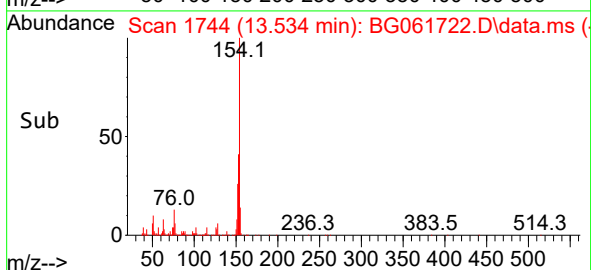
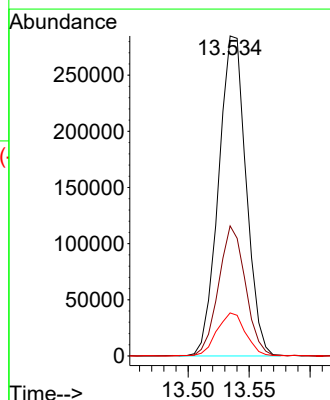
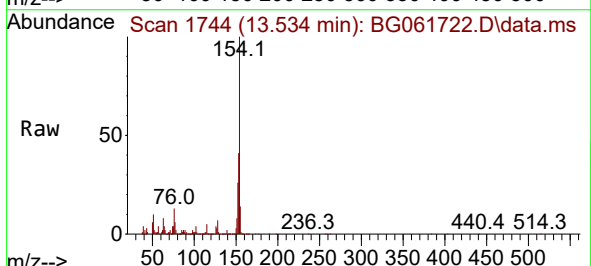
Tgt Ion:154 Resp: 447890

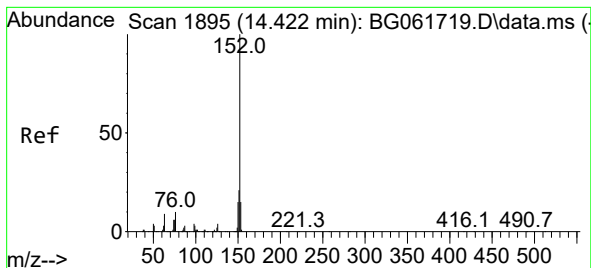
Ion Ratio Lower Upper

154 100

153 40.7 31.4 47.0

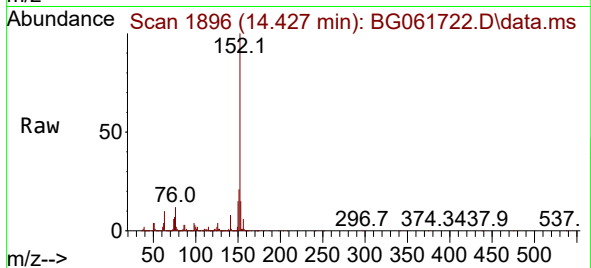
76 13.5 11.0 16.4





#50
Acenaphthylene
Concen: 100.003 ng/ul
RT: 14.427 min Scan# 1895
Delta R.T. -0.000 min
Lab File: BG061722.D
Acq: 26 Jun 2024 4:48

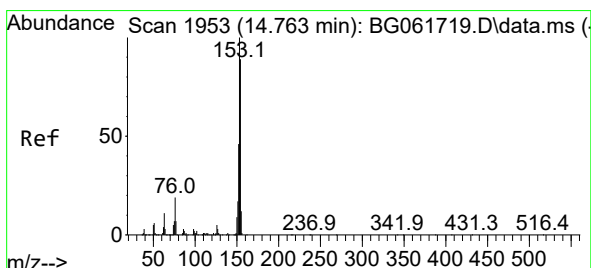
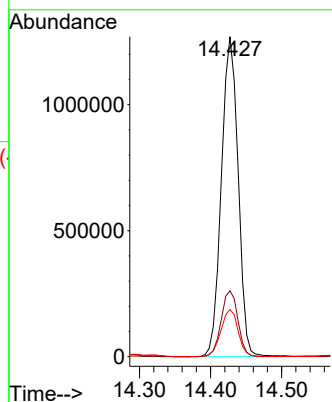
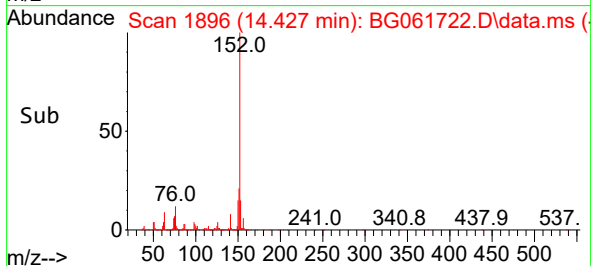
Instrument :
BNA_G
ClientSampleId :
C0SG7



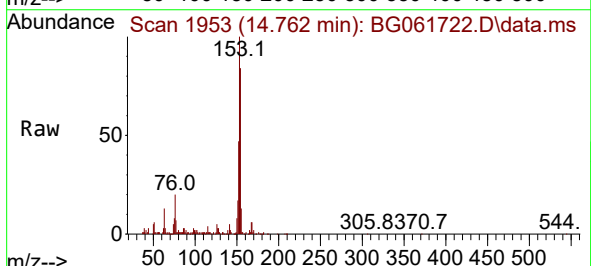
Tgt Ion:152 Resp: 207116
Ion Ratio Lower Upper
152 100
151 20.6 15.3 22.9
153 14.7 11.0 16.4

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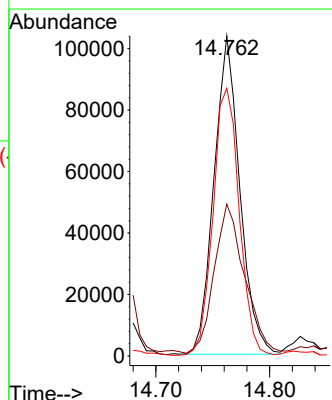
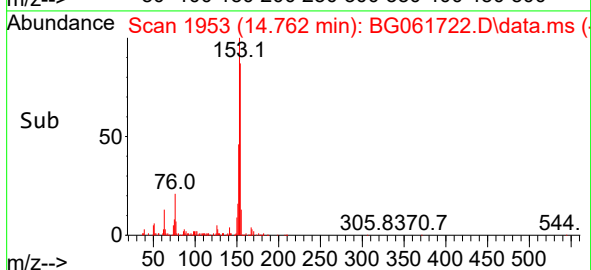
Reviewed By :Yogesh Patel 06/27/2024
Supervised By :mohammad ahmed 06/27/2024

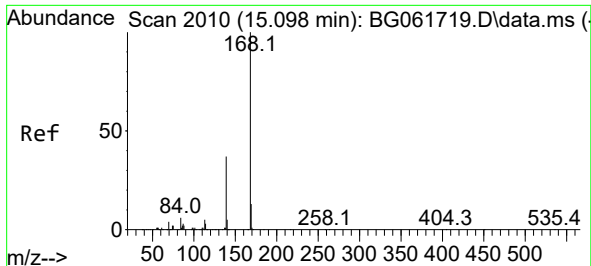


#52
Acenaphthene
Concen: 11.435 ng/ul
RT: 14.762 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BG061722.D
Acq: 26 Jun 2024 4:48



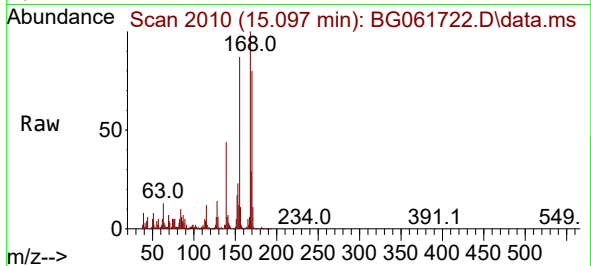
Tgt Ion:153 Resp: 164021
Ion Ratio Lower Upper
153 100
152 47.5 40.0 60.0
154 83.6 74.1 111.1





#56
Dibenzenofuran
Concen: 8.394 ng/ul
RT: 15.097 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BG061722.D
Acq: 26 Jun 2024 4:48

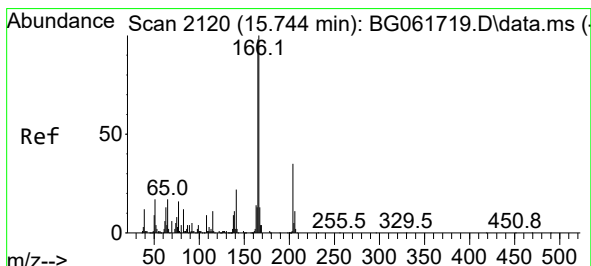
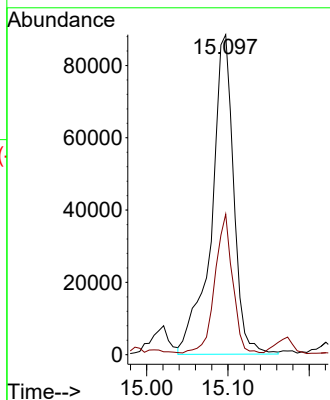
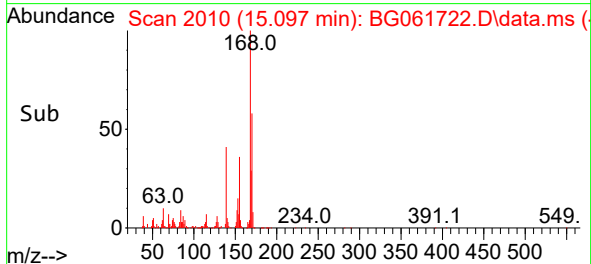
Instrument :
BNA_G
ClientSampleId :
C0SG7



Tgt Ion:168 Resp: 16847
Ion Ratio Lower Upper
168 100
139 43.9 27.0 40.4

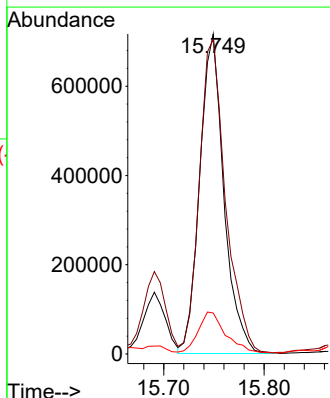
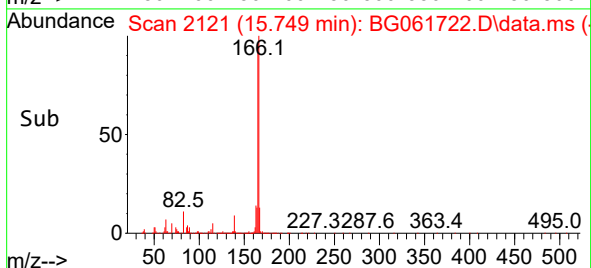
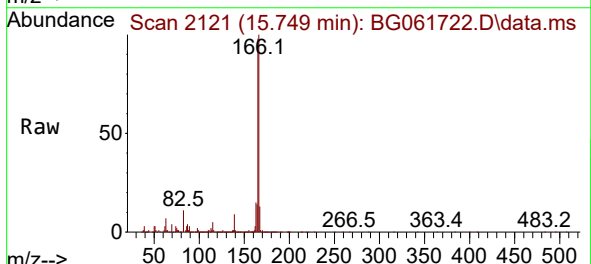
Manual Integrations
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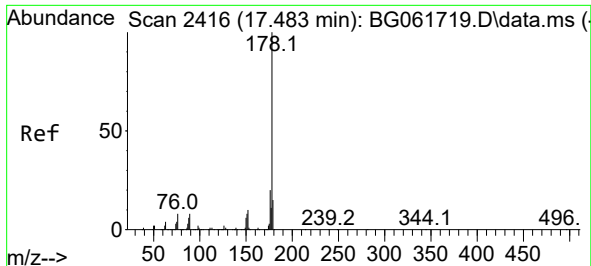
Reviewed By :Yogesh Patel 06/27/2024
Supervised By :mohammad ahmed 06/27/2024



#61
Fluorene
Concen: 72.143 ng/ul
RT: 15.749 min Scan# 2121
Delta R.T. -0.000 min
Lab File: BG061722.D
Acq: 26 Jun 2024 4:48

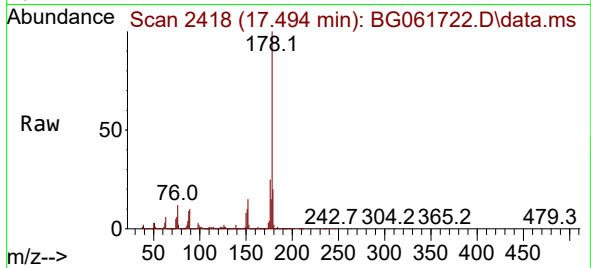
Tgt Ion:166 Resp: 1198372
Ion Ratio Lower Upper
166 100
165 98.3 84.9 127.3
167 12.8 10.9 16.3





#72
Phenanthrene
Concen: 183.136 ng/ul m
RT: 17.494 min Scan# 2418
Delta R.T. 0.005 min
Lab File: BG061722.D
Acq: 26 Jun 2024 4:48

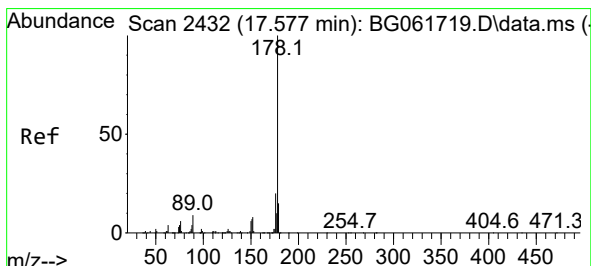
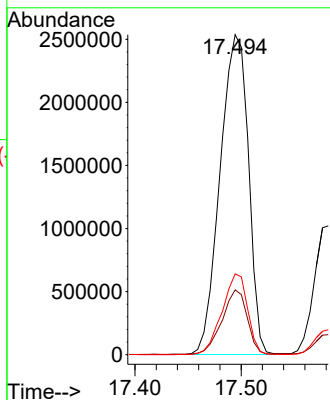
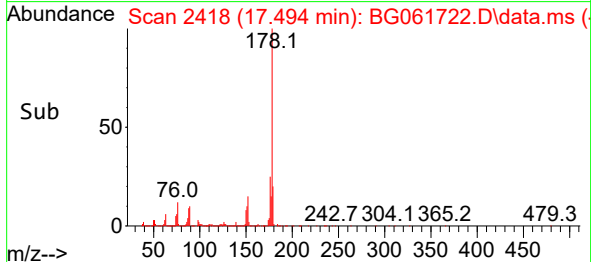
Instrument :
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ClientSampleId :
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Tgt Ion:178 Resp: 4706634
Ion Ratio Lower Upper
178 100
179 20.2 12.0 18.0
176 25.3 16.2 24.2

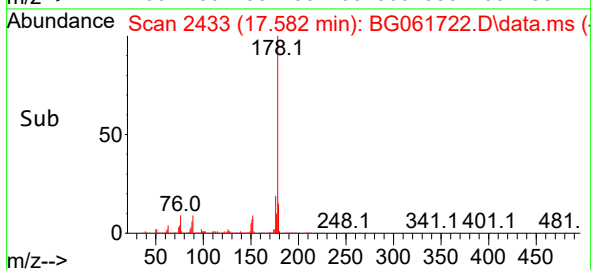
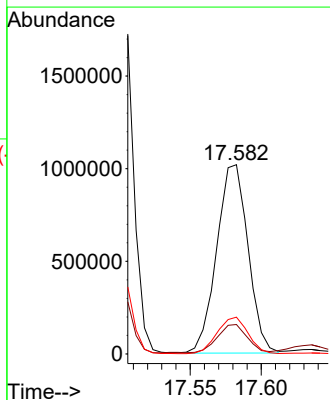
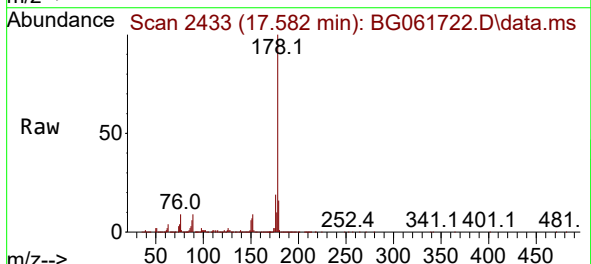
Manual Integrations
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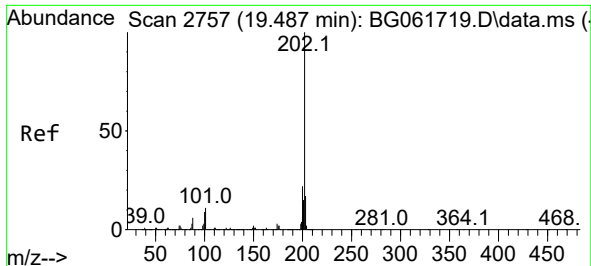
Reviewed By :Yogesh Patel 06/27/2024
Supervised By :mohammad ahmed 06/27/2024



#74
Anthracene
Concen: 59.372 ng/ul
RT: 17.582 min Scan# 2433
Delta R.T. 0.005 min
Lab File: BG061722.D
Acq: 26 Jun 2024 4:48

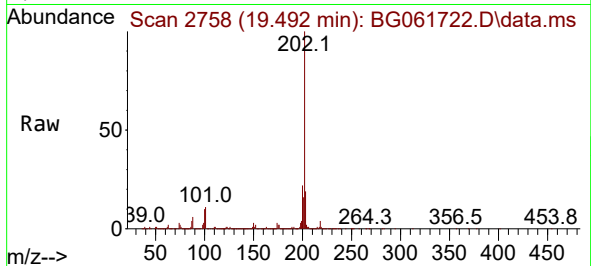
Tgt Ion:178 Resp: 1560364
Ion Ratio Lower Upper
178 100
179 15.5 11.4 17.2
176 19.4 14.7 22.1





#80
Fluoranthene
Concen: 85.461 ng/u1
RT: 19.492 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG061722.D
Acq: 26 Jun 2024 4:48

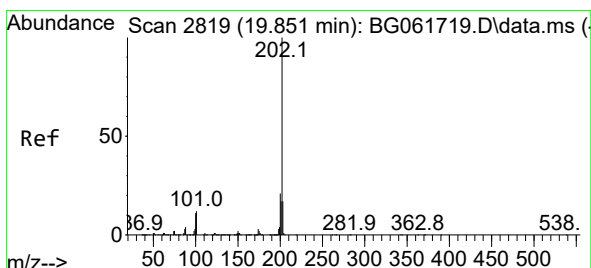
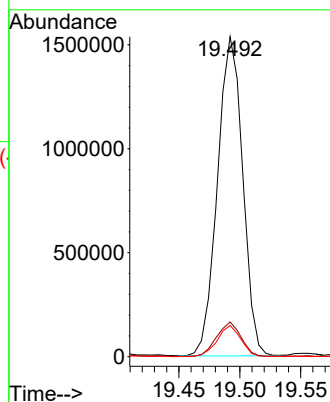
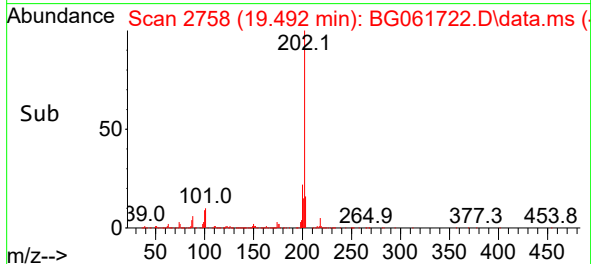
Instrument :
BNA_G
ClientSampleId :
C0SG7



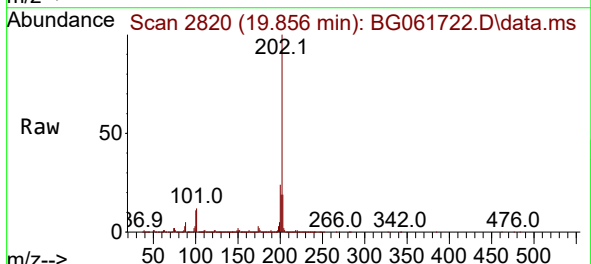
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Ion Ratio Lower Upper
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101 10.8 7.8 11.6
100 9.8 7.7 11.5

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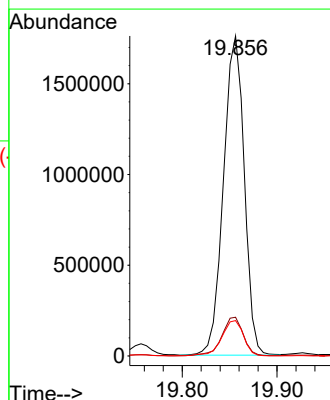
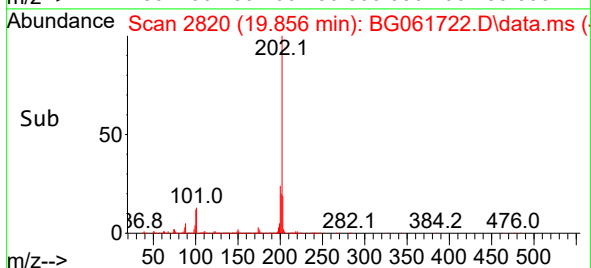
Reviewed By :Yogesh Patel 06/27/2024
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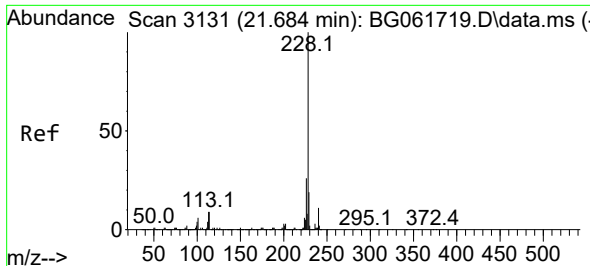


#82
Pyrene
Concen: 97.387 ng/u1
RT: 19.856 min Scan# 2820
Delta R.T. 0.005 min
Lab File: BG061722.D
Acq: 26 Jun 2024 4:48



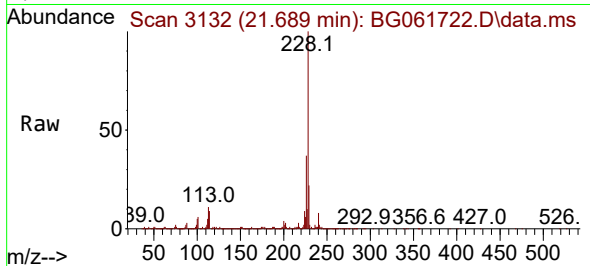
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Ion Ratio Lower Upper
202 100
101 12.1 10.1 15.1
100 11.1 9.9 14.9





#85
Benzo(a)anthracene
Concen: 46.305 ng/ul
RT: 21.689 min Scan# 3131
Delta R.T. -0.000 min
Lab File: BG061722.D
Acq: 26 Jun 2024 4:48

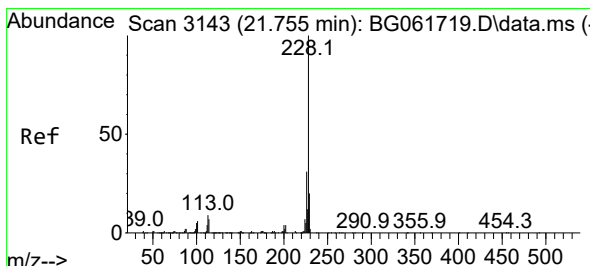
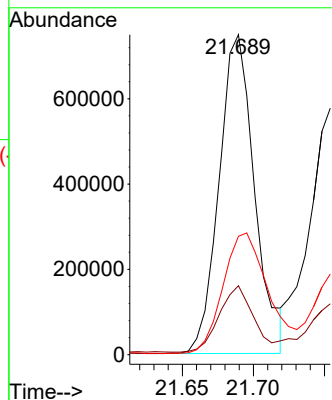
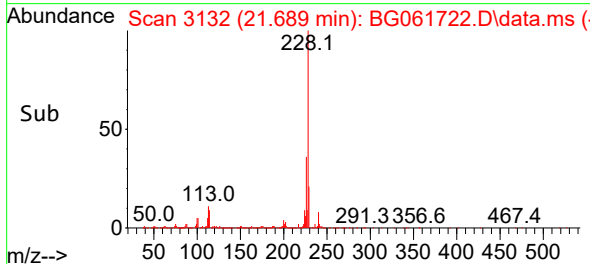
Instrument :
BNA_G
ClientSampleId :
C0SG7



Tgt Ion:228 Resp: 1300315
Ion Ratio Lower Upper
228 100
229 21.6 15.8 23.8
226 37.0 21.4 32.2

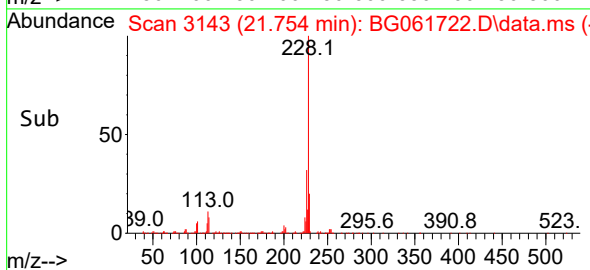
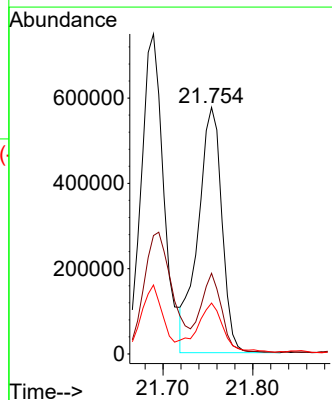
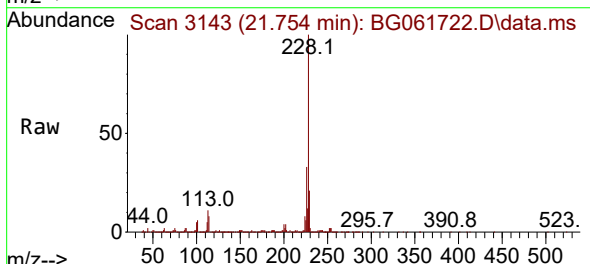
Manual Integrations
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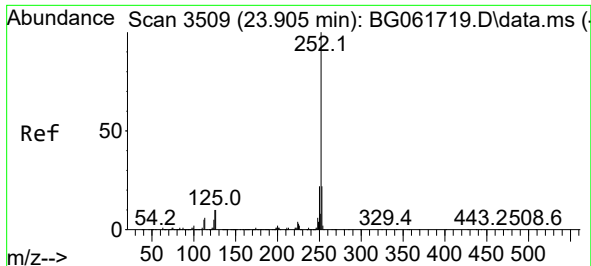
Reviewed By :Yogesh Patel 06/27/2024
Supervised By :mohammad ahmed 06/27/2024



#87
Chrysene
Concen: 39.864 ng/ul
RT: 21.754 min Scan# 3143
Delta R.T. -0.006 min
Lab File: BG061722.D
Acq: 26 Jun 2024 4:48

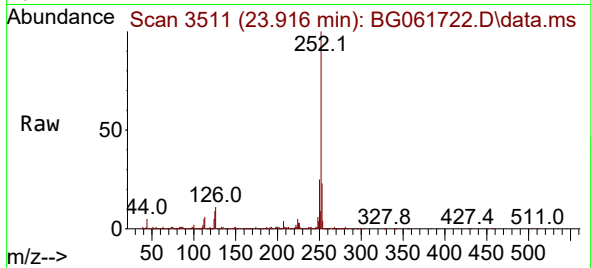
Tgt Ion:228 Resp: 1059247
Ion Ratio Lower Upper
228 100
226 32.7 24.2 36.2
229 20.7 16.5 24.7





#90
Benzo(b)fluoranthene
Concen: 27.606 ng/ul
RT: 23.916 min Scan# 3509
Delta R.T. -0.000 min
Lab File: BG061722.D
Acq: 26 Jun 2024 4:48

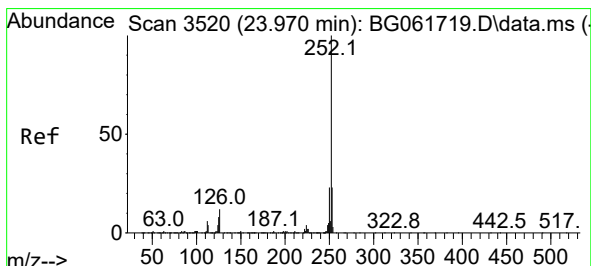
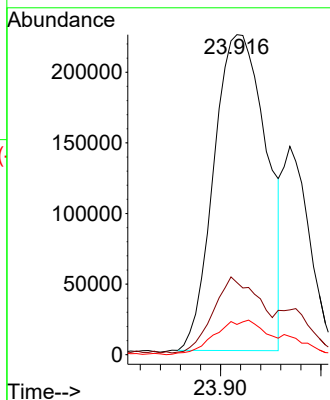
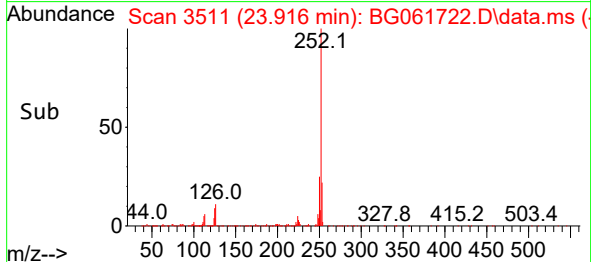
Instrument :
BNA_G
ClientSampleId :
C0SG7



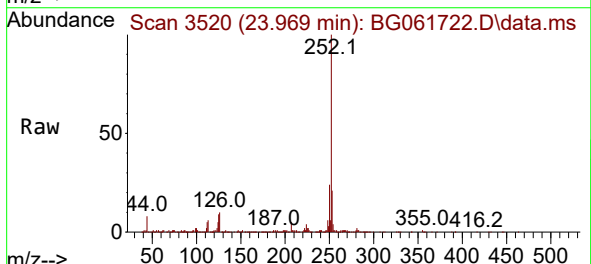
Tgt Ion:252 Resp: 81389
Ion Ratio Lower Upper
252 100
253 22.6 18.6 27.8
125 9.4 7.0 10.6

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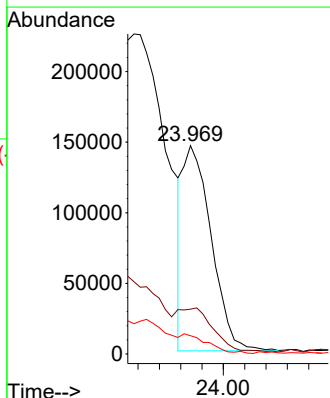
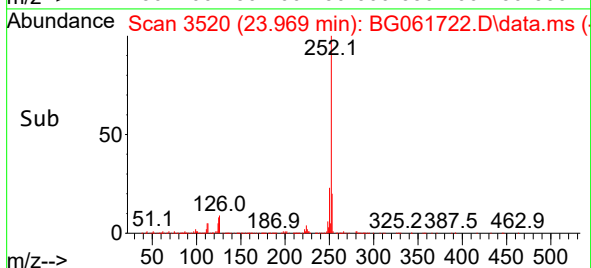
Reviewed By :Yogesh Patel 06/27/2024
Supervised By :mohammad ahmed 06/27/2024

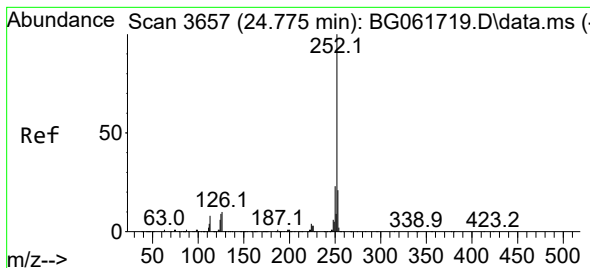


#91
Benzo(k)fluoranthene
Concen: 8.876 ng/ul
RT: 23.969 min Scan# 3520
Delta R.T. -0.012 min
Lab File: BG061722.D
Acq: 26 Jun 2024 4:48



Tgt Ion:252 Resp: 269130
Ion Ratio Lower Upper
252 100
253 21.5 17.8 26.6
125 8.8 6.2 9.2





#93

Benzo(a)pyrene

Concen: 21.033 ng/ul

RT: 24.780 min Scan# 3

Delta R.T. -0.012 min

Lab File: BG061722.D

Acq: 26 Jun 2024 4:48

Instrument :

BNA_G

ClientSampleId :

C0SG7

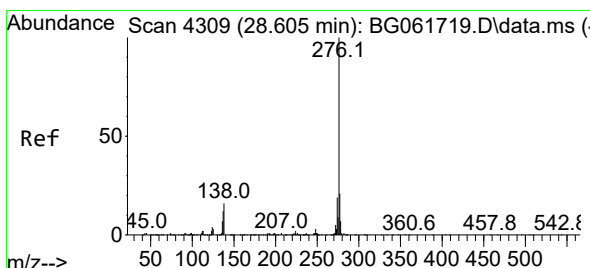
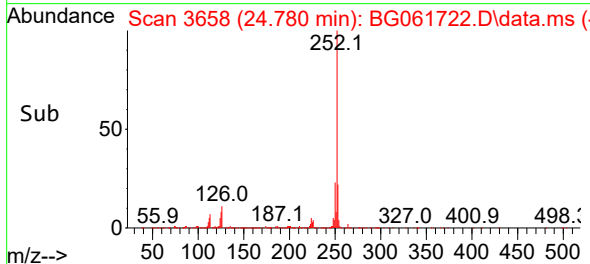
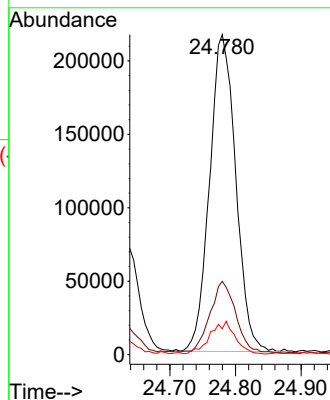
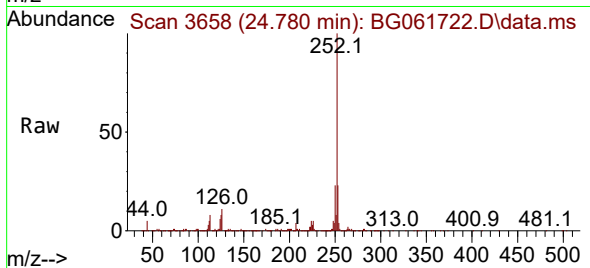
Tgt Ion:252 Resp: 59701
 Ion Ratio Lower Upper
 252 100
 253 22.9 16.8 25.2
 125 8.1 6.5 9.7

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: 8.214 ng/ul m

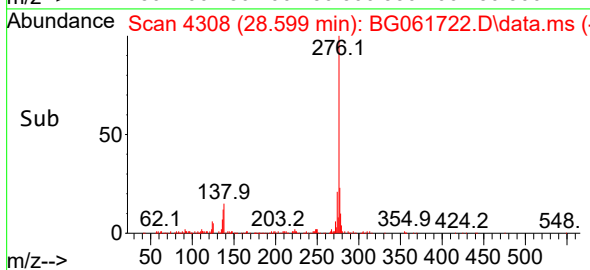
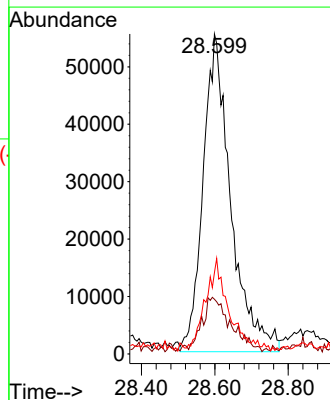
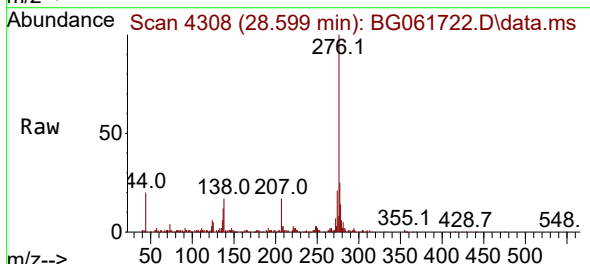
RT: 28.599 min Scan# 4308

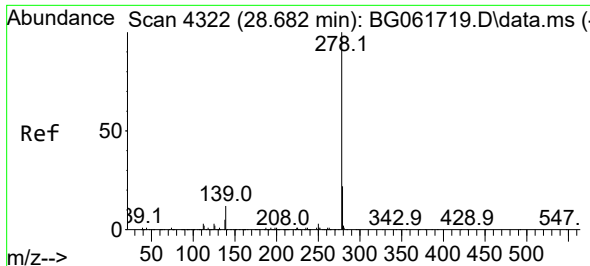
Delta R.T. -0.018 min

Lab File: BG061722.D

Acq: 26 Jun 2024 4:48

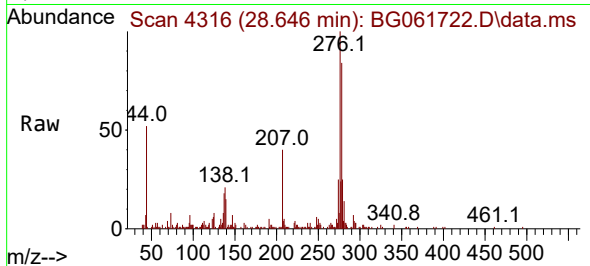
Tgt Ion:276 Resp: 290518
 Ion Ratio Lower Upper
 276 100
 138 17.1 12.2 18.4
 277 25.4 19.7 29.5





#95
Dibenzo(a,h)anthracene
Concen: 3.952 ng/ul m
RT: 28.646 min Scan# 41
Delta R.T. -0.053 min
Lab File: BG061722.D
Acq: 26 Jun 2024 4:48

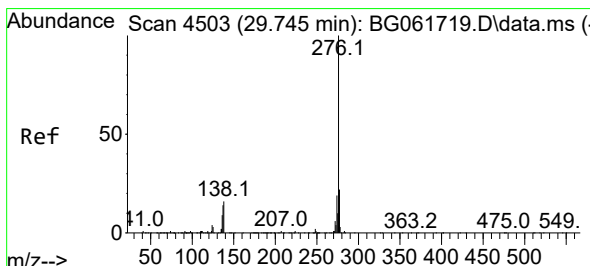
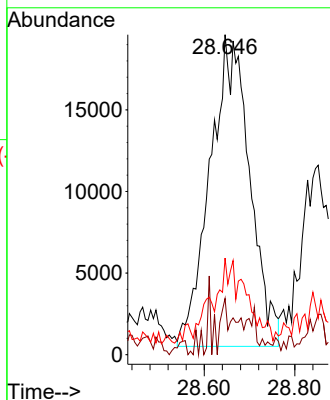
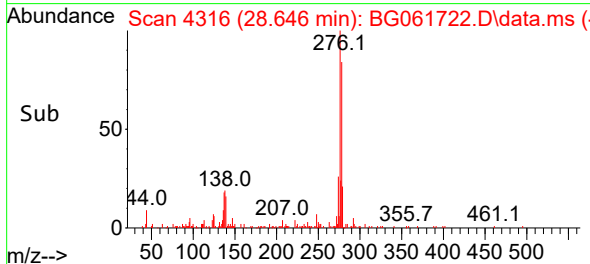
Instrument :
BNA_G
ClientSampleId :
C0SG7



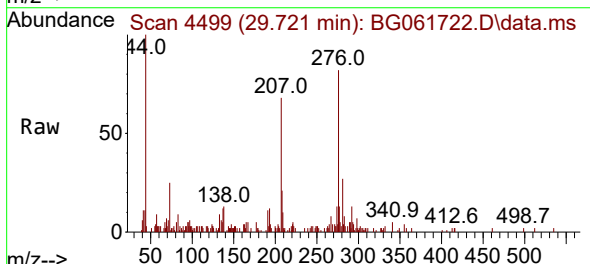
Tgt Ion:278 Resp: 116230
Ion Ratio Lower Upper
278 100
139 17.6 9.1 13.7
279 30.2 18.6 28.0

Manual Integrations
APPROVED

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



#96
Benzo(g,h,i)perylene
Concen: 1.540 ng/ul m
RT: 29.721 min Scan# 4499
Delta R.T. -0.036 min
Lab File: BG061722.D
Acq: 26 Jun 2024 4:48



Tgt Ion:276 Resp: 43894
Ion Ratio Lower Upper
276 100
138 15.9 12.2 18.4
277 16.0 18.6 27.8#

