

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072523\
 Data File : BG058458.D
 Acq On : 25 Jul 2023 23:07
 Operator : CG/JU
 Sample : 03540-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4732

Manual Integrations
 APPROVED

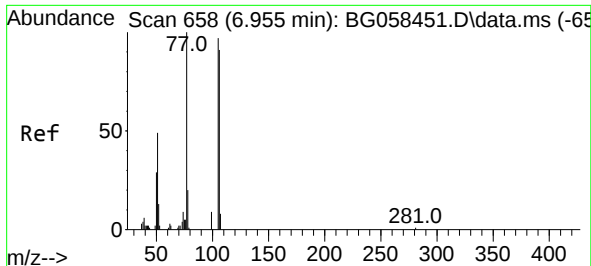
Reviewed By :Yogesh Patel 07/26/2023
 Supervised By :mohammad ahmed 07/26/2023

Quant Time: Jul 26 01:54:44 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 24 22:10:54 2023
 Response via : Initial Calibration

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

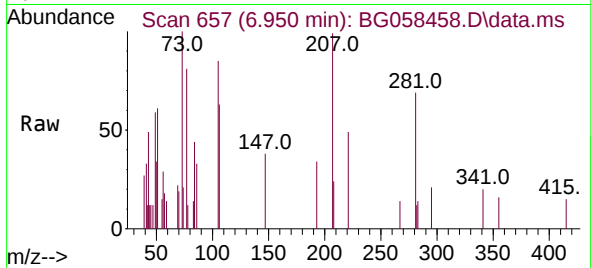
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.819	152	57859	20.000	ng/u1	0.00
20) Naphthalene-d8	10.616	136	251406	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.465	164	171859	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.208	188	384465	20.000	ng/u1	0.00
79) Chrysene-d12	21.451	240	314910	20.000	ng/u1	0.00
88) Perylene-d12	24.517	264	354064	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.237	96	2862m	1.821	ng/uL	0.00
4) Pyridine-d5	3.648	84	32777	7.025	ng/u1	0.00
7) Phenol-d5	6.985	99	39810	7.253	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.144	67	35594	10.376	ng/u1	0.00
11) 2-Chlorophenol-d4	7.349	132	37232	9.691	ng/u1	0.00
15) 4-Methylphenol-d8	8.530	113	3121	0.745	ng/u1	0.00
21) Nitrobenzene-d5	8.977	128	20080	10.656	ng/u1	0.00
24) 2-Nitrophenol-d4	9.700	143	21737	10.566	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.246	165	31182	7.907	ng/u1	0.00
31) 4-Chloroaniline-d4	10.787	131	203	0.036	ng/u1	0.03
46) Dimethylphthalate-d6	13.865	166	146352	11.043	ng/u1	0.00
49) Acenaphthylene-d8	14.153	160	138904	10.002	ng/u1	0.00
54) 4-Nitrophenol-d4	14.682	143	9791m	4.892	ng/u1	0.00
60) Fluorene-d10	15.452	176	132689	12.093	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.581	200	9086	4.639	ng/u1	0.00
73) Anthracene-d10	17.302	188	146672	8.829	ng/u1	0.00
81) Pyrene-d10	19.594	212	73786	3.967	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.306	264	27102	1.584	ng/u1	0.00
Target Compounds						
					Qvalue	
6) Benzaldehyde	6.950	77	2495	1.126	ng/u1	90
8) Phenol	7.014	94	6549	1.149	ng/u1	92
16) Acetophenone	8.642	105	27975	3.924	ng/u1	92
52) Acenaphthene	14.523	153	15670	1.506	ng/u1	98
61) Fluorene	15.510	166	21785	1.792	ng/u1	98
72) Phenanthrene	17.250	178	326655	17.879	ng/u1	98
74) Anthracene	17.338	178	60297	3.287	ng/u1	98
80) Fluoranthene	19.265	202	481085	22.578	ng/u1	100
82) Pyrene	19.629	202	172655	7.997	ng/u1	99
85) Benzo(a)anthracene	21.427	228	257735	12.176	ng/u1	96
86) Bis(2-ethylhexyl)phtha...	21.333	149	30550	2.526	ng/u1	98
87) Chrysene	21.492	228	221075	11.011	ng/u1	99
90) Benzo(b)fluoranthene	23.542	252	229189	11.188	ng/u1#	95
91) Benzo(k)fluoranthene	23.601	252	91716	4.489	ng/u1	97
93) Benzo(a)pyrene	24.365	252	23141	1.270	ng/u1#	79
94) Indeno(1,2,3-cd)pyrene	28.008	276	32713m	1.363	ng/u1	
95) Dibenzo(a,h)anthracene	28.049	278	32976m	1.675	ng/u1	

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



#6
Benzaldehyde
Concen: 1.126 ng/ul
RT: 6.950 min Scan# 61
Delta R.T. -0.005 min
Lab File: BG058458.D
Acq: 25 Jul 2023 23:07

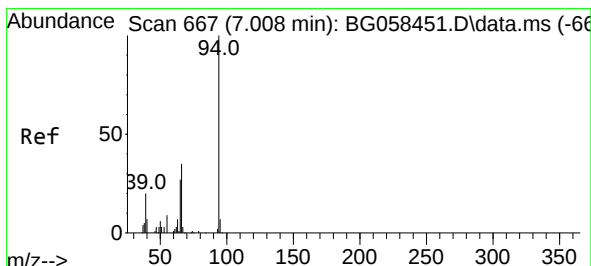
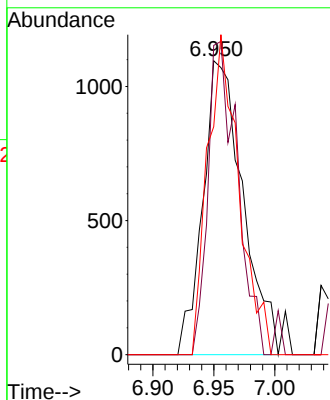
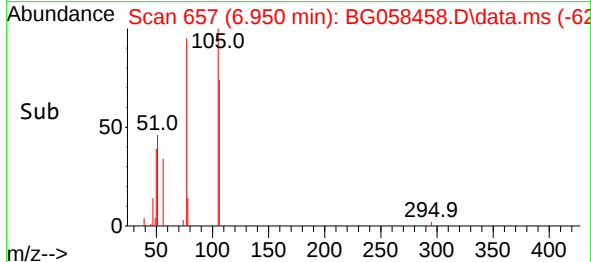
Instrument :
BNA_G
ClientSampleId :
A4732



Tgt Ion: 77 Resp: 249
Ion Ratio Lower Upper
77 100
105 105.2 78.2 117.4
106 77.6 71.6 107.4

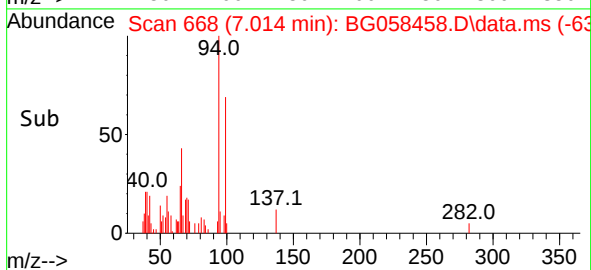
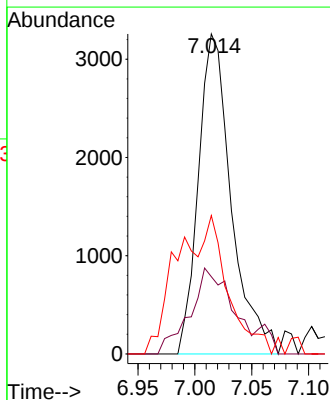
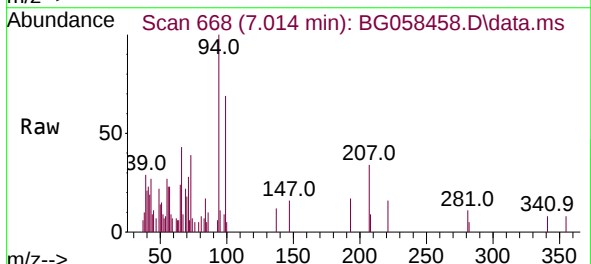
Manual Integrations
APPROVED

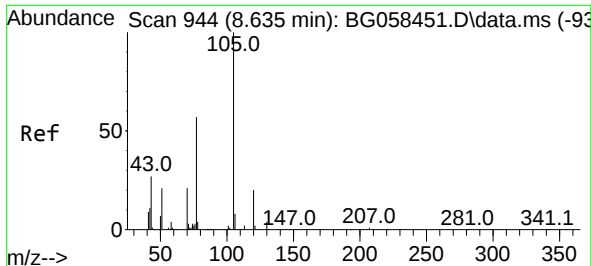
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/26/2023



#8
Phenol
Concen: 1.149 ng/ul
RT: 7.014 min Scan# 668
Delta R.T. 0.001 min
Lab File: BG058458.D
Acq: 25 Jul 2023 23:07

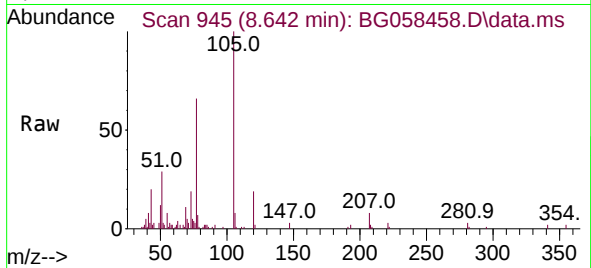
Tgt Ion: 94 Resp: 6549
Ion Ratio Lower Upper
94 100
65 24.2 23.8 35.8
66 43.2 31.2 46.8





#16
Acetophenone
Concen: 3.924 ng/ul
RT: 8.642 min Scan# 944
Delta R.T. 0.001 min
Lab File: BG058458.D
Acq: 25 Jul 2023 23:07

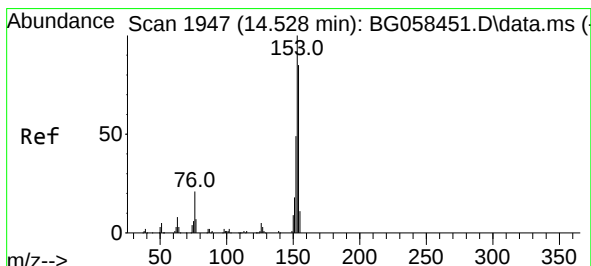
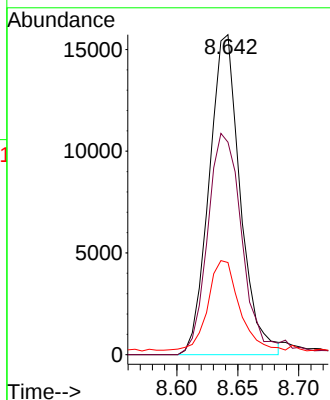
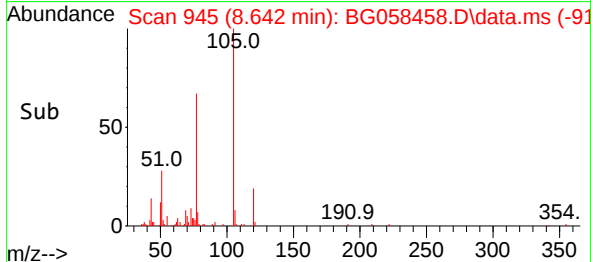
Instrument :
BNA_G
ClientSampleId :
A4732



Tgt Ion:105 Resp: 2797
Ion Ratio Lower Upper
105 100
77 66.4 60.7 91.1
51 28.8 23.5 35.3

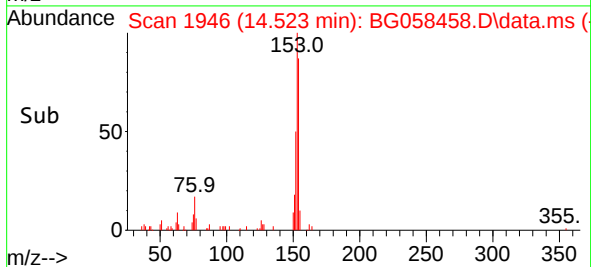
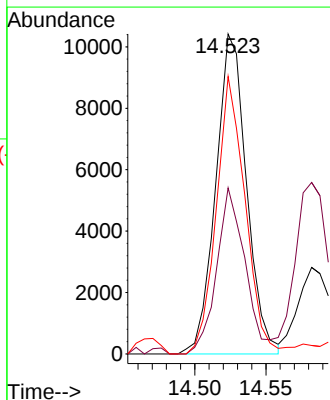
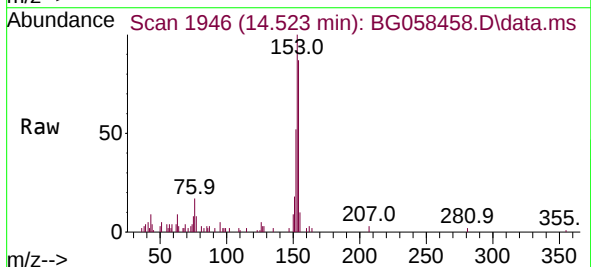
Manual Integrations
APPROVED

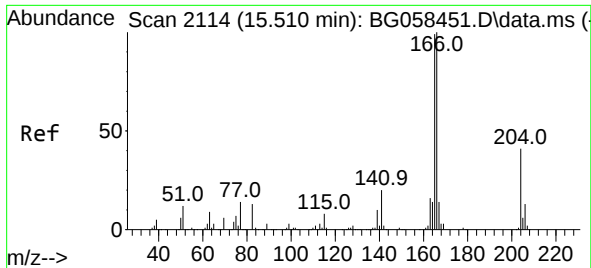
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/26/2023



#52
Acenaphthene
Concen: 1.506 ng/ul
RT: 14.523 min Scan# 1946
Delta R.T. -0.004 min
Lab File: BG058458.D
Acq: 25 Jul 2023 23:07

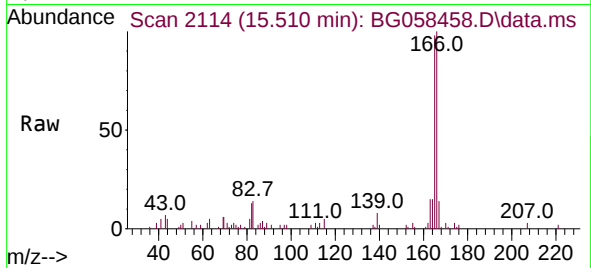
Tgt Ion:153 Resp: 15670
Ion Ratio Lower Upper
153 100
152 51.9 39.1 58.7
154 86.7 68.7 103.1





#61
Fluorene
Concen: 1.792 ng/ul
RT: 15.510 min Scan# 2114
Delta R.T. -0.004 min
Lab File: BG058458.D
Acq: 25 Jul 2023 23:07

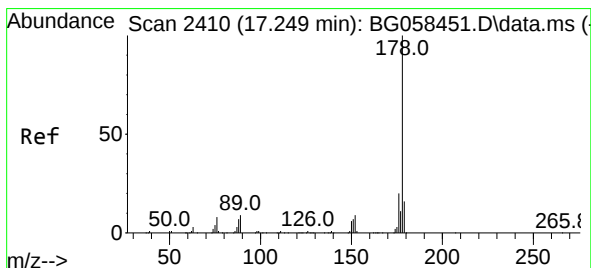
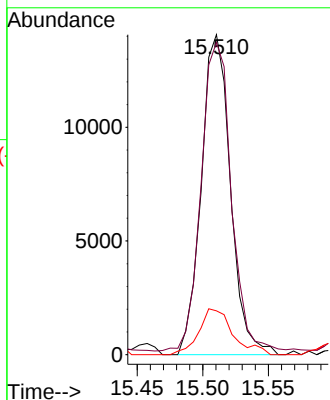
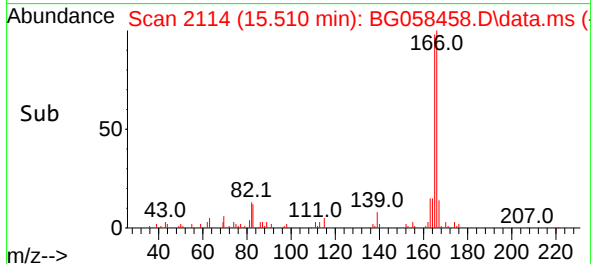
Instrument :
BNA_G
ClientSampleId :
A4732



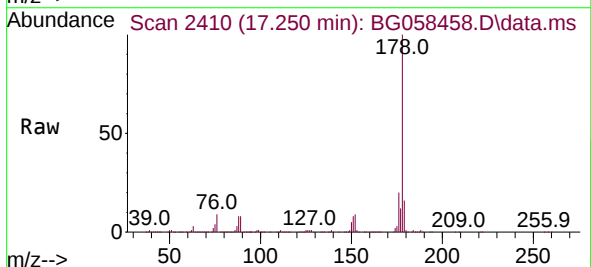
Tgt Ion:166 Resp: 2178
Ion Ratio Lower Upper
166 100
165 97.6 80.2 120.2
167 13.7 10.5 15.7

Manual Integrations
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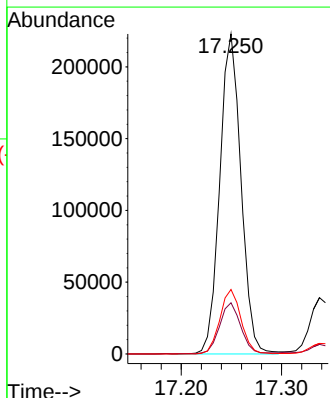
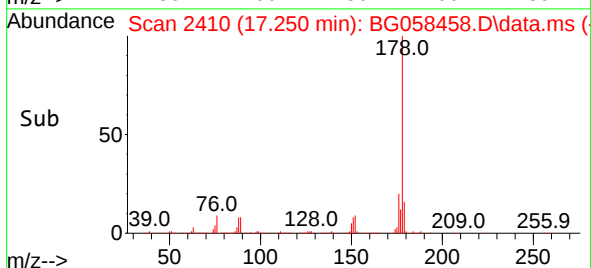
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/26/2023

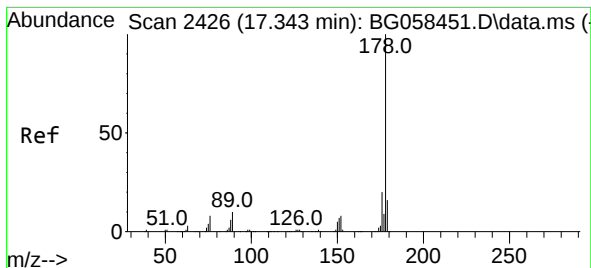


#72
Phenanthrene
Concen: 17.879 ng/ul
RT: 17.250 min Scan# 2410
Delta R.T. -0.004 min
Lab File: BG058458.D
Acq: 25 Jul 2023 23:07



Tgt Ion:178 Resp: 326655
Ion Ratio Lower Upper
178 100
179 16.0 11.9 17.9
176 20.1 15.8 23.8





#74

Anthracene

Concen: 3.287 ng/ul

RT: 17.338 min Scan# 2426

Delta R.T. -0.004 min

Lab File: BG058458.D

Acq: 25 Jul 2023 23:07

Instrument :

BNA_G

ClientSampleId :

A4732

Tgt Ion:178 Resp: 6029

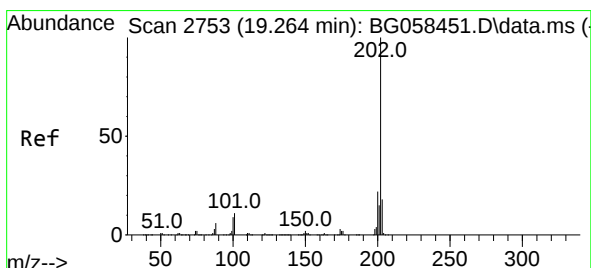
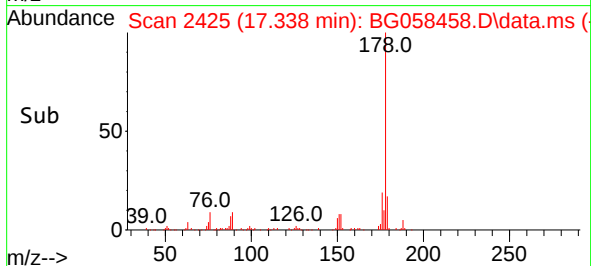
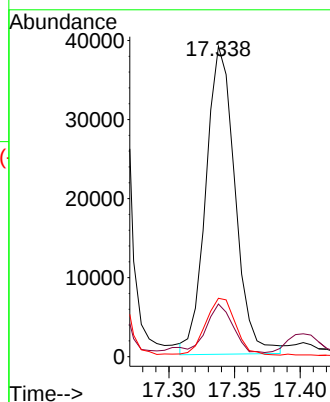
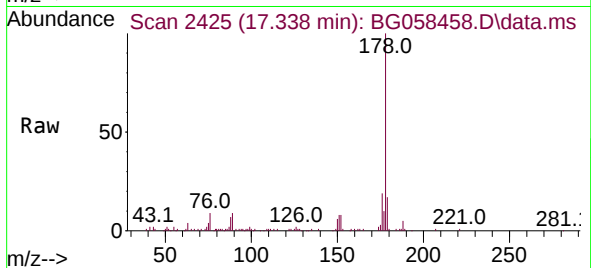
Ion	Ratio	Lower	Upper
178	100		
179	16.9	13.4	20.2
176	18.8	16.2	24.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/26/2023

Supervised By :mohammad ahmed 07/26/2023



#80

Fluoranthene

Concen: 22.578 ng/ul

RT: 19.265 min Scan# 2753

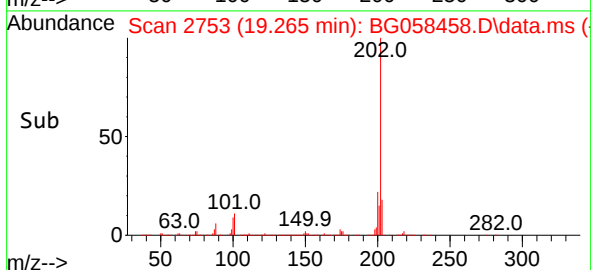
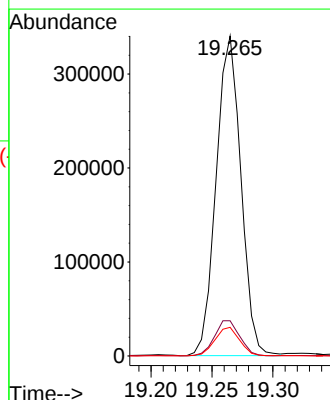
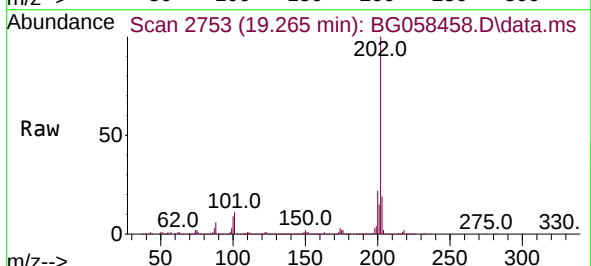
Delta R.T. -0.004 min

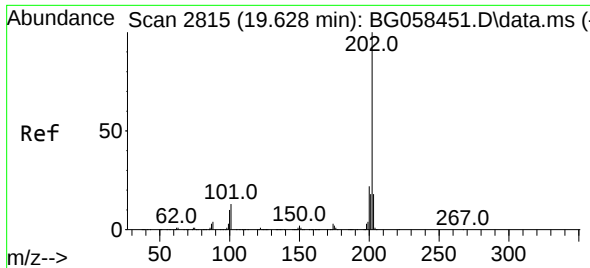
Lab File: BG058458.D

Acq: 25 Jul 2023 23:07

Tgt Ion:202 Resp: 481085

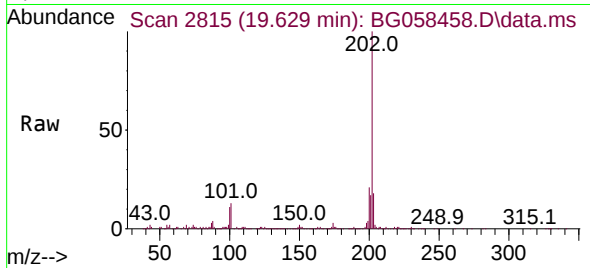
Ion	Ratio	Lower	Upper
202	100		
101	11.0	8.6	12.8
100	9.0	7.2	10.8





#82
 Pyrene
 Concen: 7.997 ng/ul
 RT: 19.629 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: BG058458.D
 Acq: 25 Jul 2023 23:07

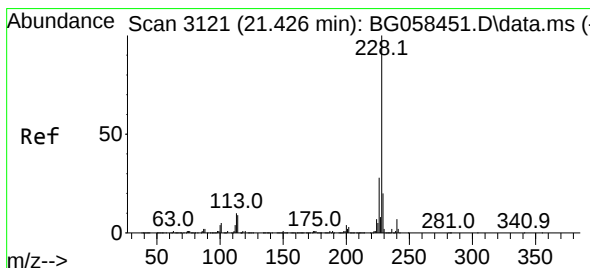
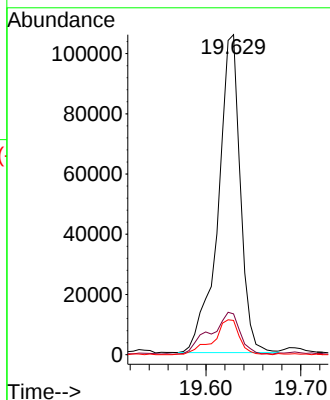
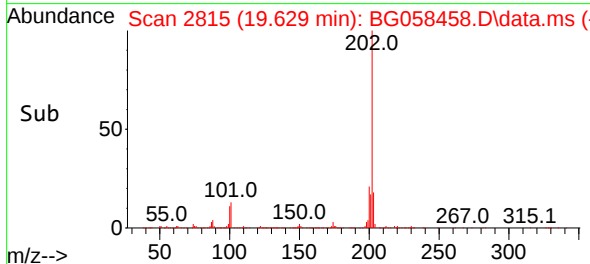
Instrument :
 BNA_G
 ClientSampleId :
 A4732



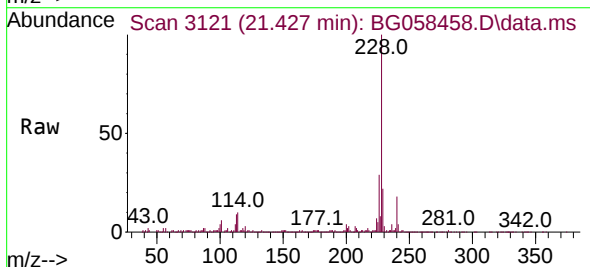
Tgt Ion:202 Resp: 17265
 Ion Ratio Lower Upper
 202 100
 101 12.8 10.2 15.2
 100 10.7 8.9 13.3

Manual Integrations
 APPROVED

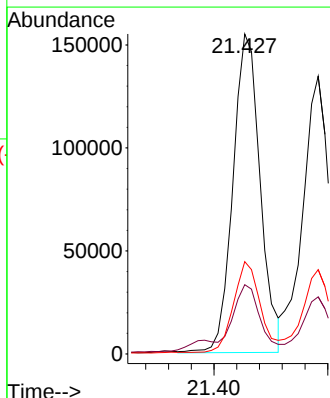
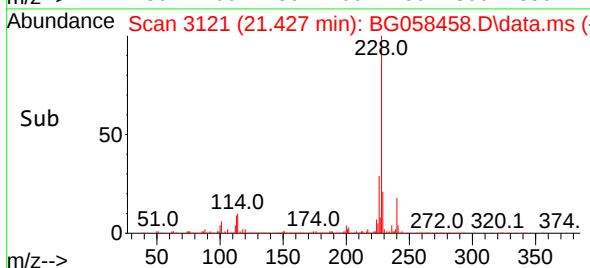
Reviewed By :Yogesh Patel 07/26/2023
 Supervised By :mohammad ahmed 07/26/2023

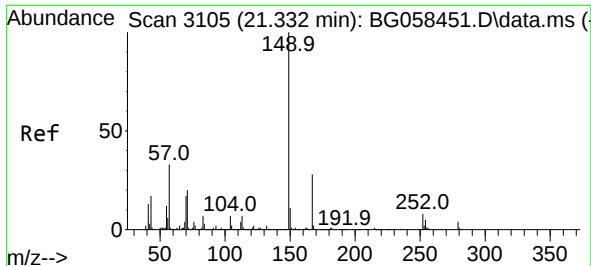


#85
 Benzo(a)anthracene
 Concen: 12.176 ng/ul
 RT: 21.427 min Scan# 3121
 Delta R.T. -0.005 min
 Lab File: BG058458.D
 Acq: 25 Jul 2023 23:07



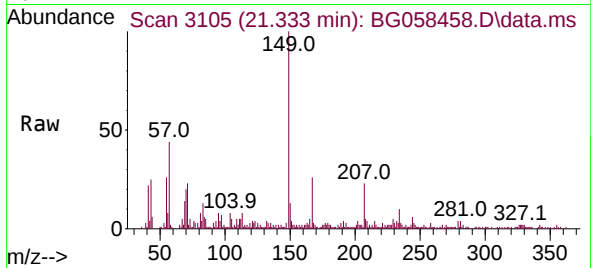
Tgt Ion:228 Resp: 257735
 Ion Ratio Lower Upper
 228 100
 229 21.7 15.7 23.5
 226 28.9 21.8 32.8





#86
Bis(2-ethylhexyl)phthalate
Concen: 2.526 ng/ul
RT: 21.333 min Scan# 3105
Delta R.T. -0.004 min
Lab File: BG058458.D
Acq: 25 Jul 2023 23:07

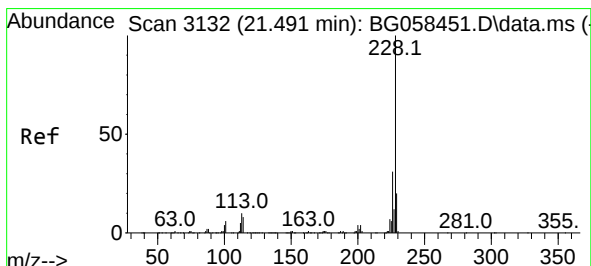
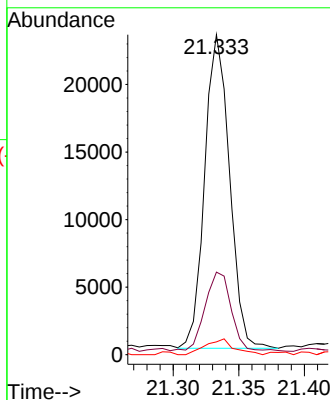
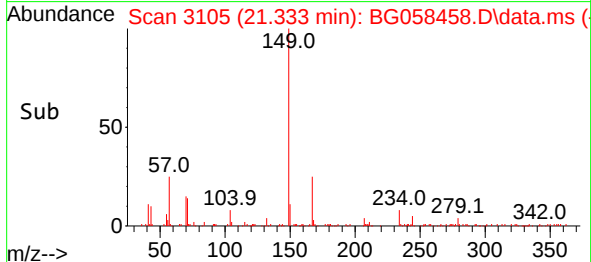
Instrument :
BNA_G
ClientSampleId :
A4732



Tgt Ion:149 Resp: 30550
Ion Ratio Lower Upper
149 100
167 25.8 21.6 32.4
279 4.0 3.0 4.4

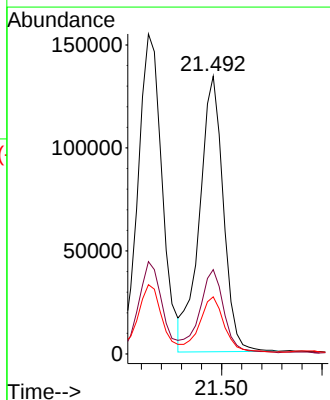
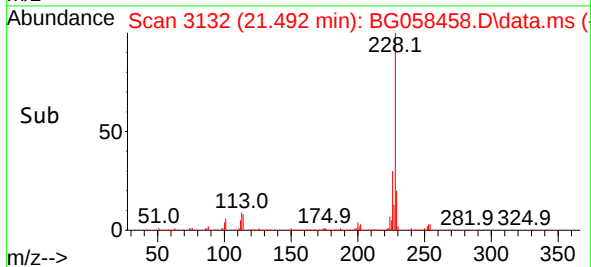
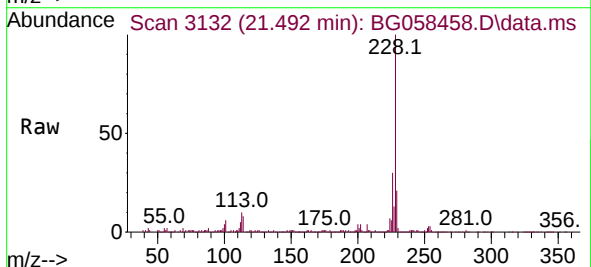
Manual Integrations
APPROVED

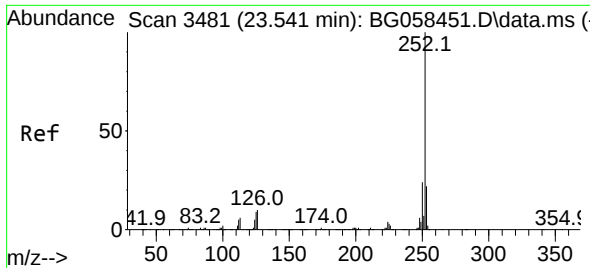
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/26/2023



#87
Chrysene
Concen: 11.011 ng/ul
RT: 21.492 min Scan# 3132
Delta R.T. -0.004 min
Lab File: BG058458.D
Acq: 25 Jul 2023 23:07

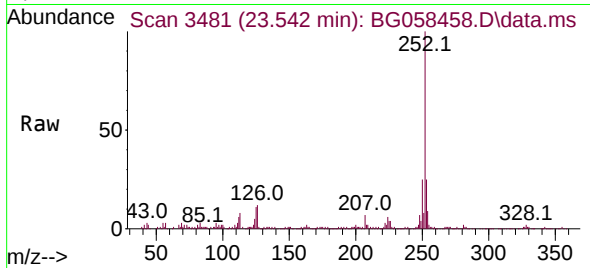
Tgt Ion:228 Resp: 221075
Ion Ratio Lower Upper
228 100
226 30.4 24.0 36.0
229 20.6 15.8 23.8





#90
Benzo(b)fluoranthene
Concen: 11.188 ng/ul
RT: 23.542 min Scan# 3481
Delta R.T. -0.004 min
Lab File: BG058458.D
Acq: 25 Jul 2023 23:07

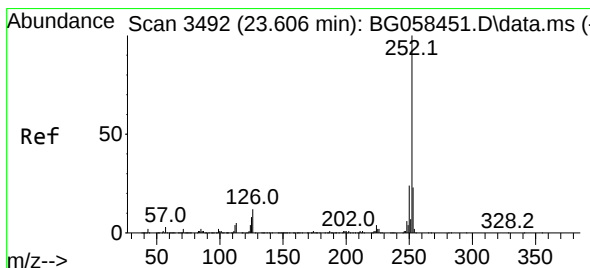
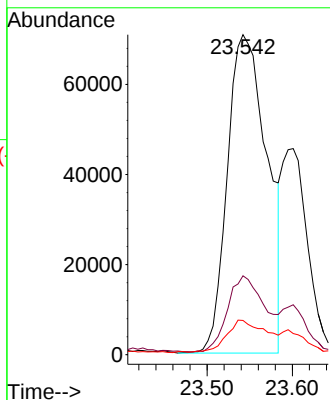
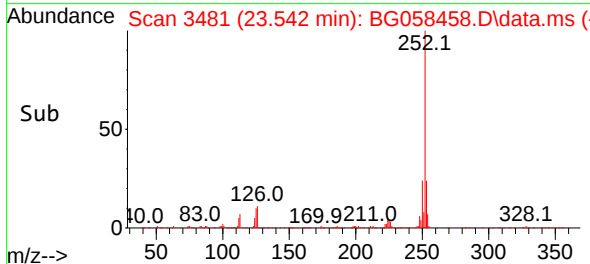
Instrument :
BNA_G
ClientSampleId :
A4732



Tgt Ion:252 Resp: 229189
Ion Ratio Lower Upper
252 100
253 24.6 17.9 26.9
125 10.7 6.7 10.1

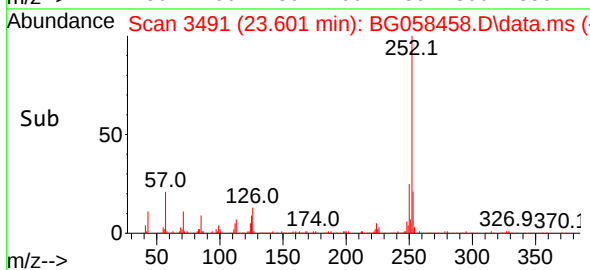
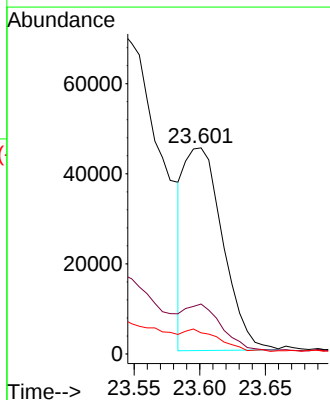
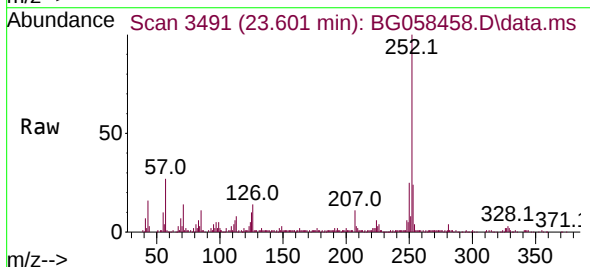
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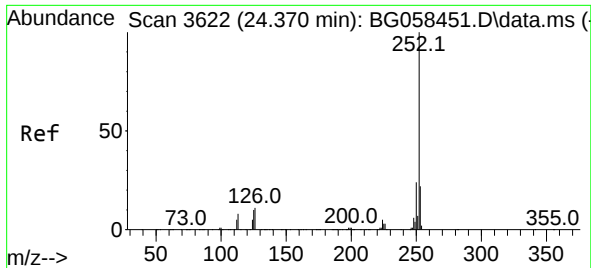
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/26/2023



#91
Benzo(k)fluoranthene
Concen: 4.489 ng/ul
RT: 23.601 min Scan# 3491
Delta R.T. -0.010 min
Lab File: BG058458.D
Acq: 25 Jul 2023 23:07

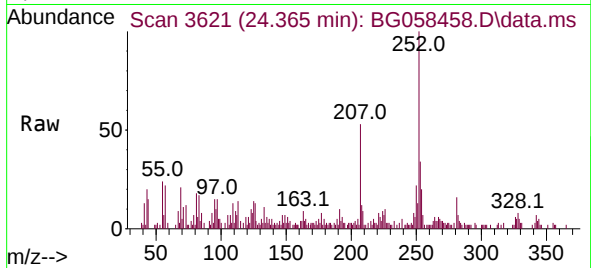
Tgt Ion:252 Resp: 91716
Ion Ratio Lower Upper
252 100
253 24.3 18.3 27.5
125 10.3 7.4 11.0





#93
Benzo(a)pyrene
Concen: 1.270 ng/ul
RT: 24.365 min Scan# 3621
Delta R.T. -0.010 min
Lab File: BG058458.D
Acq: 25 Jul 2023 23:07

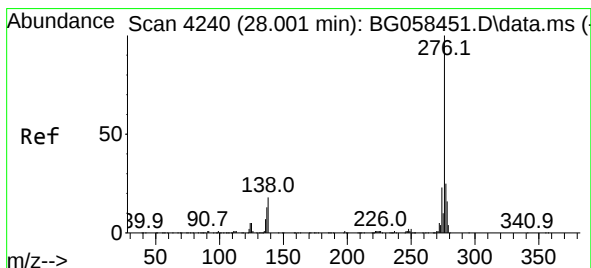
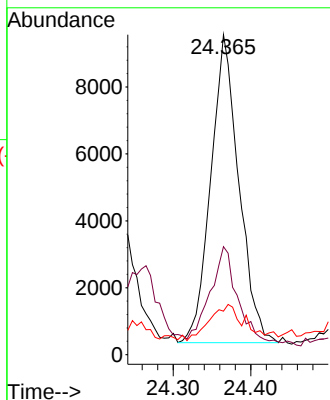
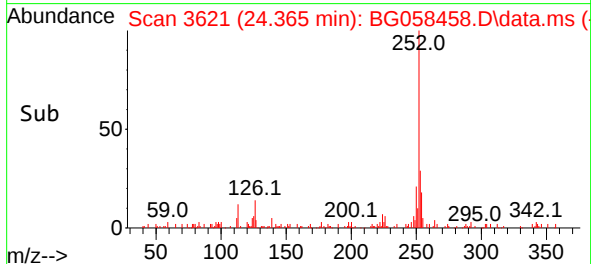
Instrument :
BNA_G
ClientSampleId :
A4732



Tgt Ion:252 Resp: 2314
Ion Ratio Lower Upper
252 100
253 33.8 17.4 26.0
125 13.6 7.7 11.5

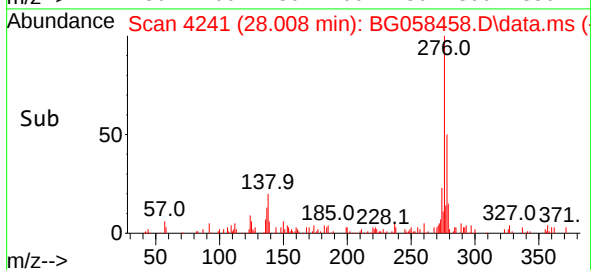
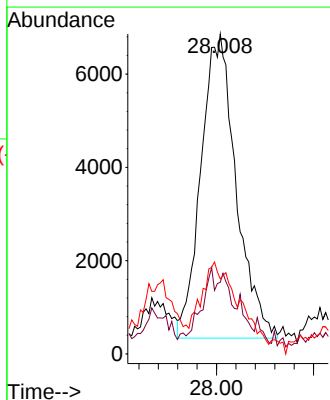
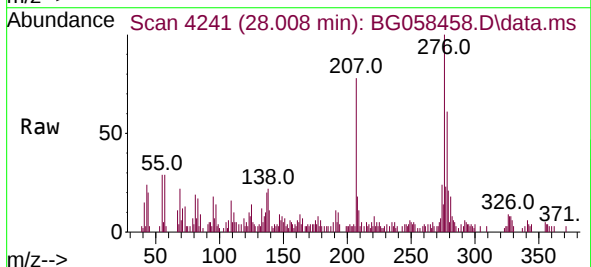
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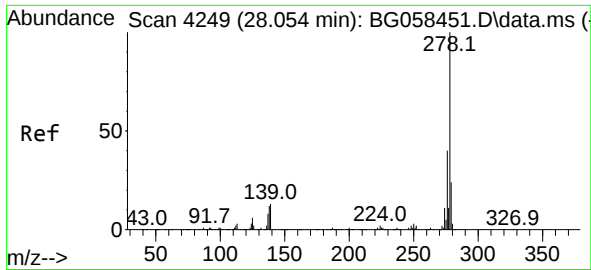
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/26/2023



#94
Indeno(1,2,3-cd)pyrene
Concen: 1.363 ng/ul m
RT: 28.008 min Scan# 4241
Delta R.T. -0.004 min
Lab File: BG058458.D
Acq: 25 Jul 2023 23:07

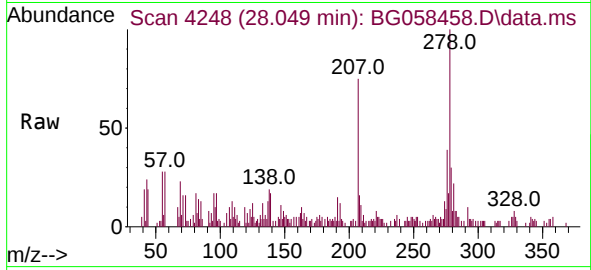
Tgt Ion:276 Resp: 32713
Ion Ratio Lower Upper
276 100
138 22.4 13.8 20.6
277 23.5 19.2 28.8





#95
 Dibenzo(a,h)anthracene
 Concen: 1.675 ng/ul m
 RT: 28.049 min Scan# 4
 Delta R.T. -0.022 min
 Lab File: BG058458.D
 Acq: 25 Jul 2023 23:07

Instrument :
 BNA_G
 ClientSampleId :
 A4732



Tgt Ion:278 Resp: 32970
 Ion Ratio Lower Upper
 278 100
 139 16.9 10.4 15.6
 279 30.1 18.4 27.6

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/26/2023
 Supervised By :mohammad ahmed 07/26/2023

