

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072123\
 Data File : BG058388.D
 Acq On : 21 Jul 2023 15:16
 Operator : CG/JU
 Sample : 03504-17
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A46S3

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/22/2023
 Supervised By :mohammad ahmed 07/22/2023

Quant Time: Jul 21 23:37:05 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 18 02:19:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.894	152	47033	20.000	ng/u1	0.00
20) Naphthalene-d8	10.697	136	194615	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.533	164	127635	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.277	188	276603	20.000	ng/u1	0.00
79) Chrysene-d12	21.531	240	221318	20.000	ng/u1	0.00
88) Perylene-d12	24.668	264	280658	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.346	96	3561m	2.787	ng/uL	0.00
4) Pyridine-d5	3.752	84	49291	12.996	ng/u1	0.00
7) Phenol-d5	7.066	99	33901	7.598	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.224	67	43604	15.636	ng/u1	0.00
11) 2-Chlorophenol-d4	7.430	132	37796	12.102	ng/u1	0.00
15) 4-Methylphenol-d8	8.611	113	2900	0.852	ng/u1	0.00
21) Nitrobenzene-d5	9.057	128	24589	16.856	ng/u1	0.00
24) 2-Nitrophenol-d4	9.780	143	25070	15.742	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.321	165	24261	7.947	ng/u1	0.00
31) 4-Chloroaniline-d4	10.844	131	1758m	0.397	ng/u1	0.00
46) Dimethylphthalate-d6	13.934	166	157532	16.006	ng/u1	0.00
49) Acenaphthylene-d8	14.228	160	135850	13.171	ng/u1	0.00
54) 4-Nitrophenol-d4	14.745	143	13612	9.158	ng/u1	0.00
60) Fluorene-d10	15.526	176	141391	17.352	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.650	200	3101	2.200	ng/u1	0.00
73) Anthracene-d10	17.377	188	157437	13.173	ng/u1	0.00
81) Pyrene-d10	19.668	212	50189	3.839	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.457	264	20267	1.494	ng/u1	0.00
Target Compounds					Qvalue	
16) Acetophenone	8.717	105	16223	2.799	ng/u1	99
52) Acenaphthene	14.598	153	11353	1.469	ng/u1	96
56) Dibenzofuran	14.933	168	12603	1.145	ng/u1	97
61) Fluorene	15.579	166	16910	1.873	ng/u1	89
72) Phenanthrene	17.324	178	190320	14.479	ng/u1	99
74) Anthracene	17.412	178	38725	2.935	ng/u1	95
80) Fluoranthene	19.334	202	275170	18.375	ng/u1	98
82) Pyrene	19.698	202	64195	4.231	ng/u1	99
85) Benzo(a)anthracene	21.513	228	143640	9.656	ng/u1	95
86) Bis(2-ethylhexyl)phtha...	21.413	149	24929	2.933	ng/u1#	97
87) Chrysene	21.578	228	107584m	7.625	ng/u1	
90) Benzo(b)fluoranthene	23.670	252	111731	6.881	ng/u1#	93
91) Benzo(k)fluoranthene	23.734	252	58966m	3.641	ng/u1	
95) Dibenzo(a,h)anthracene	28.294	278	19499m	1.250	ng/u1	

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

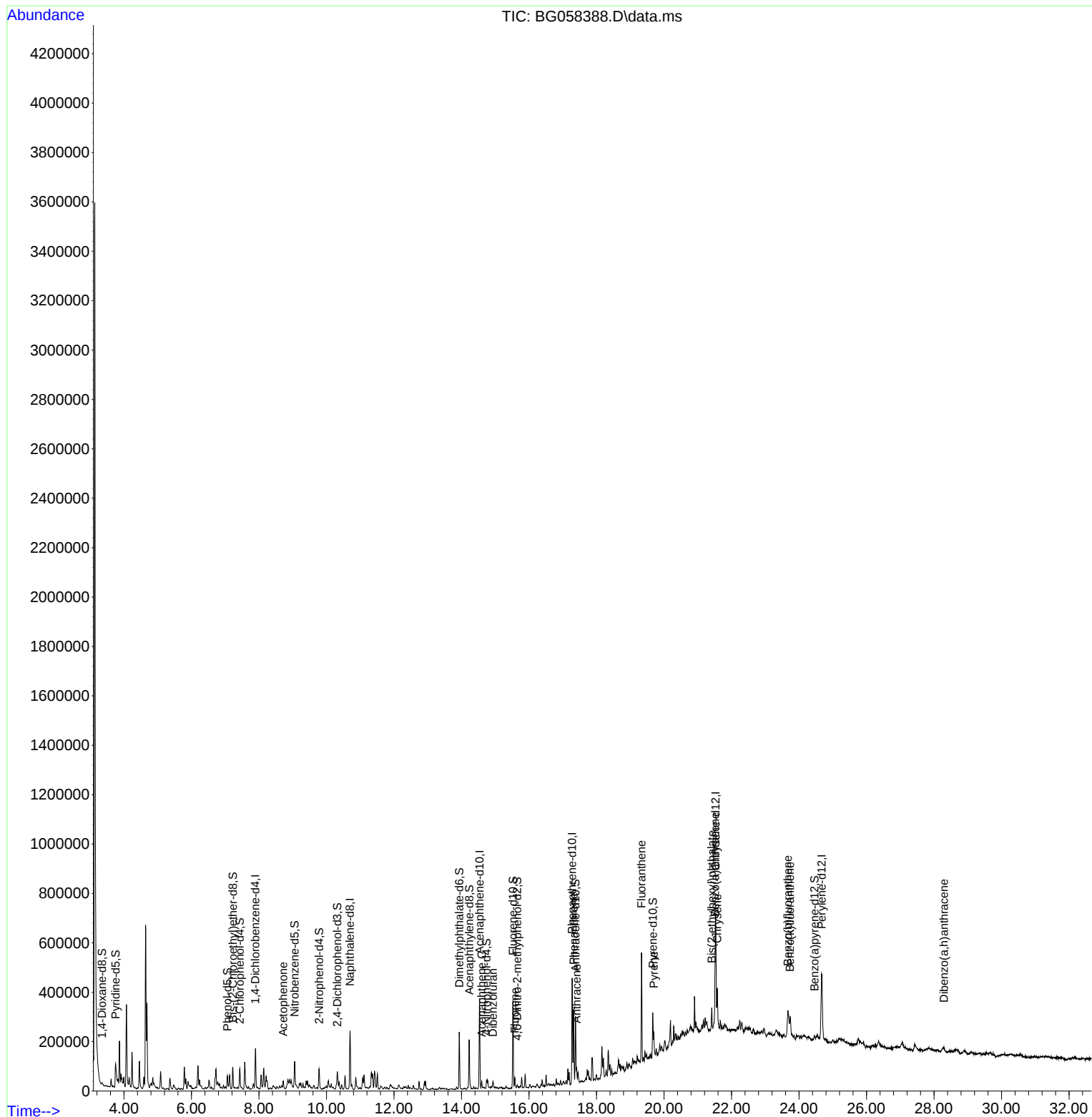
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072123\
Data File : BG058388.D
Acq On : 21 Jul 2023 15:16
Operator : CG/JU
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ALS Vial : 8 Sample Multiplier: 1

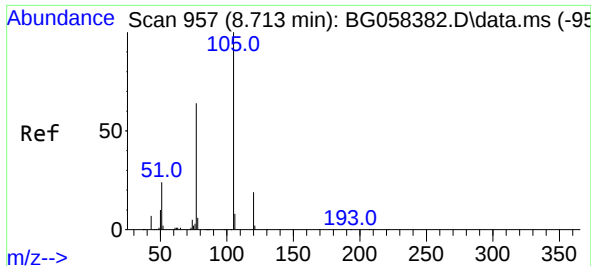
Instrument :
BNA_G
ClientSampleId :
A46S3

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





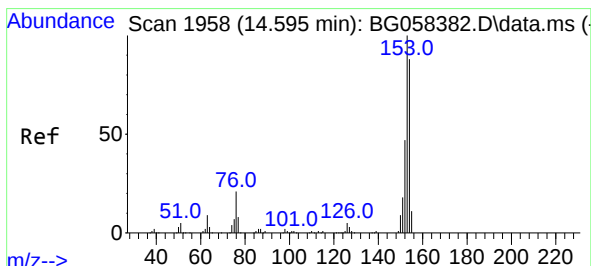
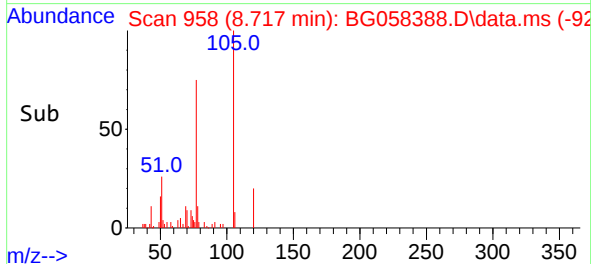
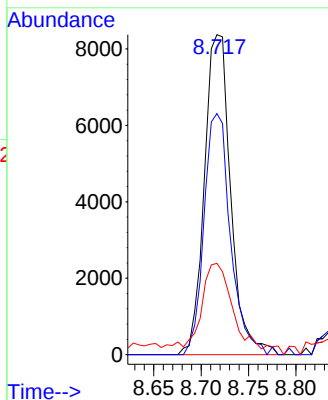
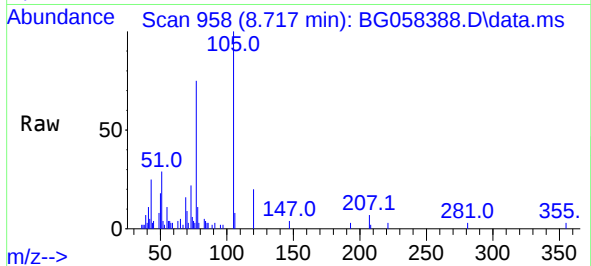
#16
Acetophenone
Concen: 2.799 ng/ul
RT: 8.717 min Scan# 91
Delta R.T. -0.005 min
Lab File: BG058388.D
Acq: 21 Jul 2023 15:16

Instrument :
BNA_G
ClientSampleId :
A46S3

Tgt Ion:	105	Resp:	1622
Ion Ratio	Lower	Upper	
105	100		
77	75.4	60.7	91.1
51	28.5	23.5	35.3

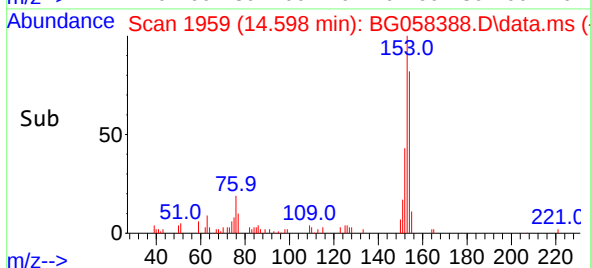
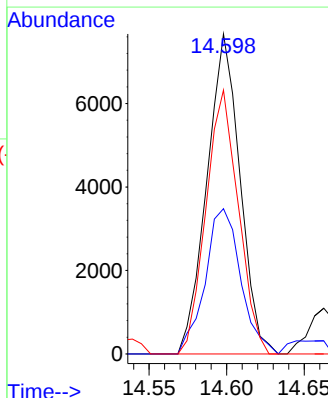
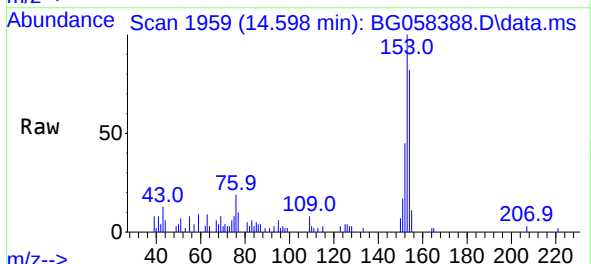
Manual Integrations
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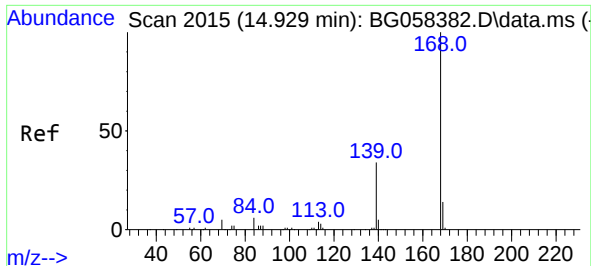
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023



#52
Acenaphthene
Concen: 1.469 ng/ul
RT: 14.598 min Scan# 1959
Delta R.T. -0.005 min
Lab File: BG058388.D
Acq: 21 Jul 2023 15:16

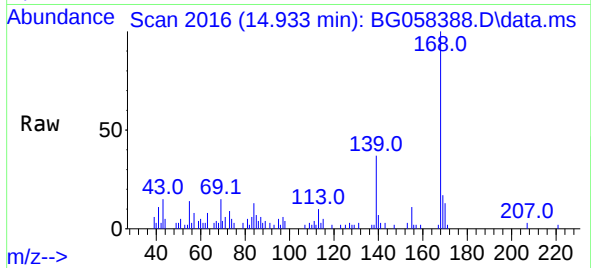
Tgt Ion:	153	Resp:	11353
Ion Ratio	Lower	Upper	
153	100		
152	45.4	39.1	58.7
154	82.5	68.7	103.1





#56
Dibenzenofuran
Concen: 1.145 ng/ul
RT: 14.933 min Scan# 2015
Delta R.T. -0.005 min
Lab File: BG058388.D
Acq: 21 Jul 2023 15:16

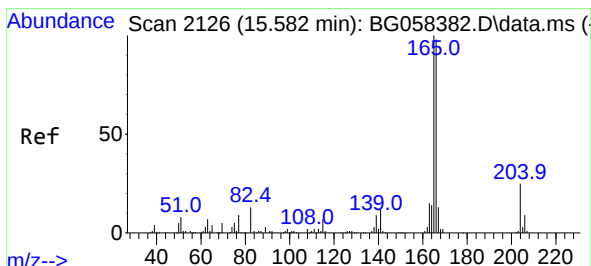
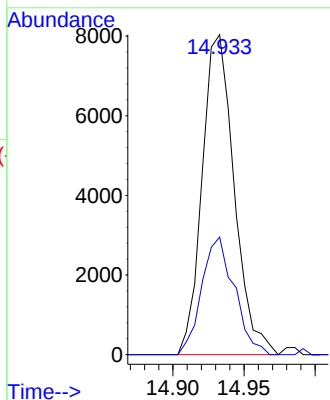
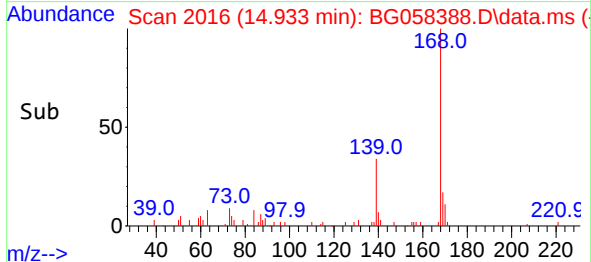
Instrument :
BNA_G
ClientSampleId :
A46S3



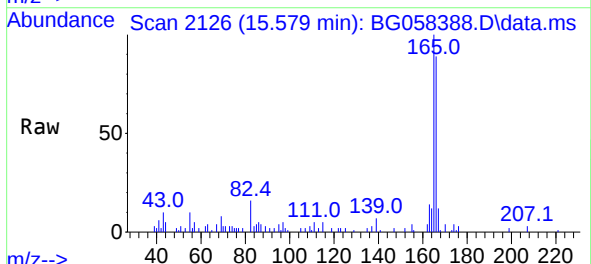
Tgt Ion:168 Resp: 1260
Ion Ratio Lower Upper
168 100
139 36.8 27.8 41.8

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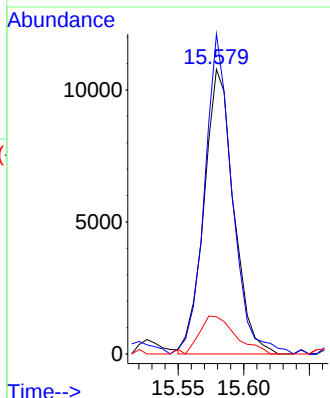
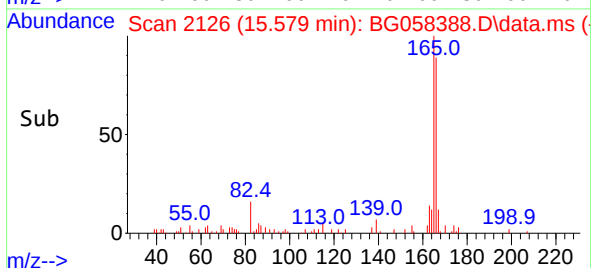
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023

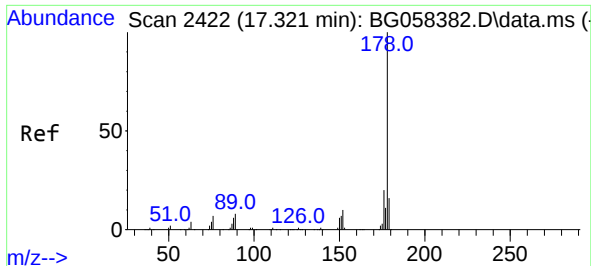


#61
Fluorene
Concen: 1.873 ng/ul
RT: 15.579 min Scan# 2126
Delta R.T. -0.005 min
Lab File: BG058388.D
Acq: 21 Jul 2023 15:16



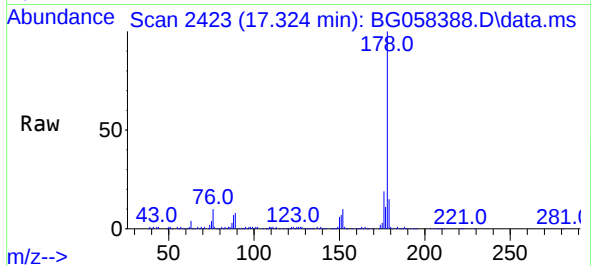
Tgt Ion:166 Resp: 16910
Ion Ratio Lower Upper
166 100
165 112.4 80.2 120.2
167 13.1 10.5 15.7





#72
Phenanthrene
Concen: 14.479 ng/ul
RT: 17.324 min Scan# 2422
Delta R.T. 0.001 min
Lab File: BG058388.D
Acq: 21 Jul 2023 15:16

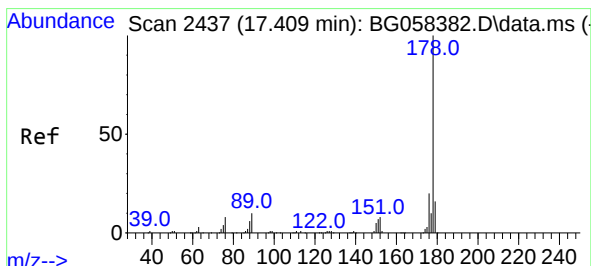
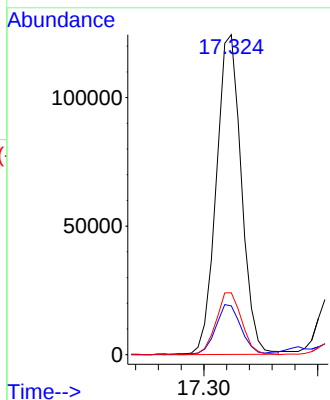
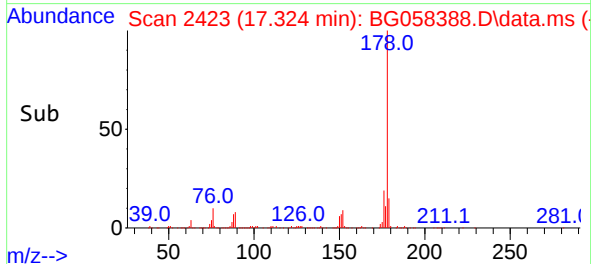
Instrument :
BNA_G
ClientSampleId :
A46S3



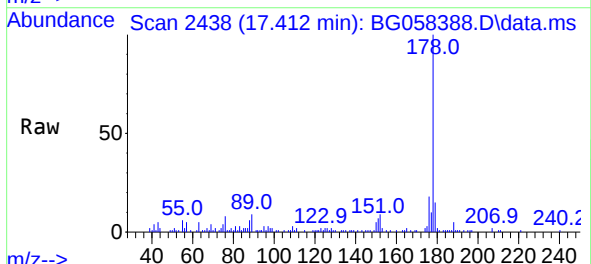
Tgt Ion:178 Resp: 190320
Ion Ratio Lower Upper
178 100
179 15.3 11.9 17.9
176 19.3 15.8 23.8

Manual Integrations
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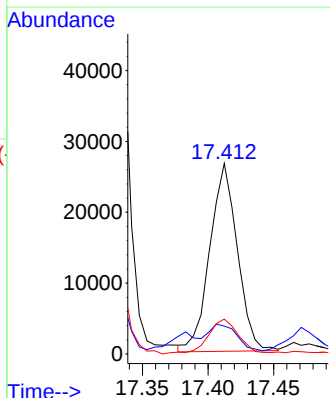
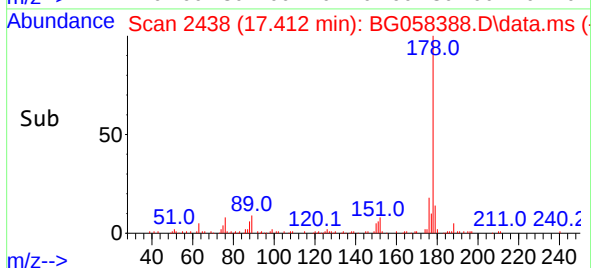
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023

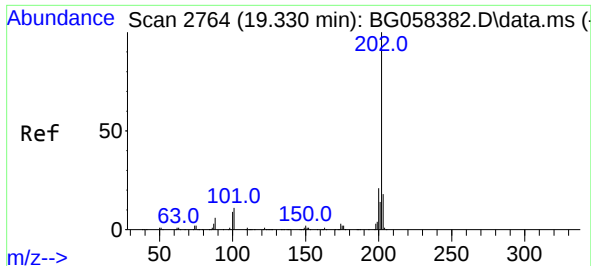


#74
Anthracene
Concen: 2.935 ng/ul
RT: 17.412 min Scan# 2438
Delta R.T. -0.005 min
Lab File: BG058388.D
Acq: 21 Jul 2023 15:16



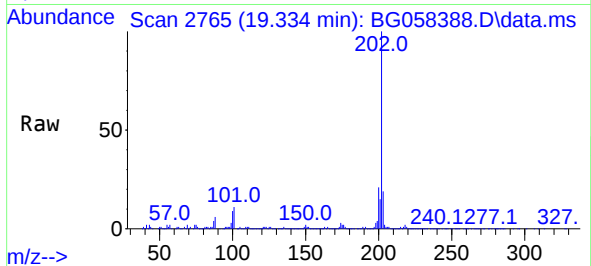
Tgt Ion:178 Resp: 38725
Ion Ratio Lower Upper
178 100
179 14.6 13.4 20.2
176 18.3 16.2 24.2





#80
Fluoranthene
Concen: 18.375 ng/u1
RT: 19.334 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG058388.D
Acq: 21 Jul 2023 15:16

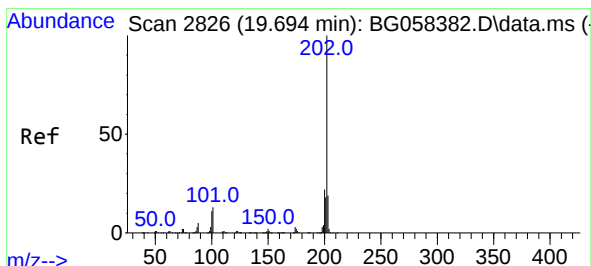
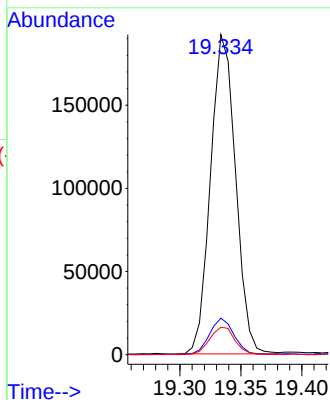
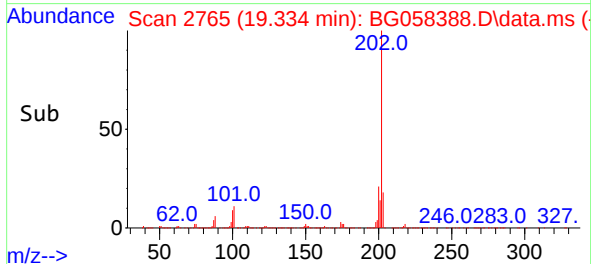
Instrument :
BNA_G
ClientSampleId :
A46S3



Tgt Ion:202 Resp: 275170
Ion Ratio Lower Upper
202 100
101 11.4 8.6 12.8
100 8.6 7.2 10.8

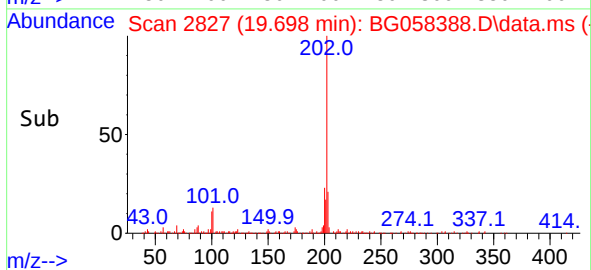
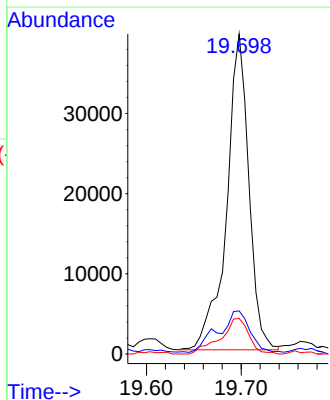
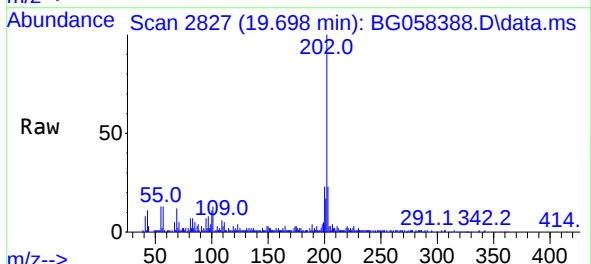
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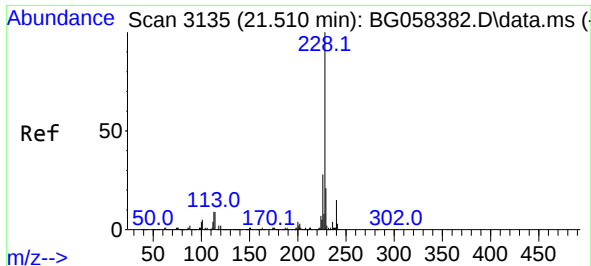
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023



#82
Pyrene
Concen: 4.231 ng/u1
RT: 19.698 min Scan# 2827
Delta R.T. 0.001 min
Lab File: BG058388.D
Acq: 21 Jul 2023 15:16

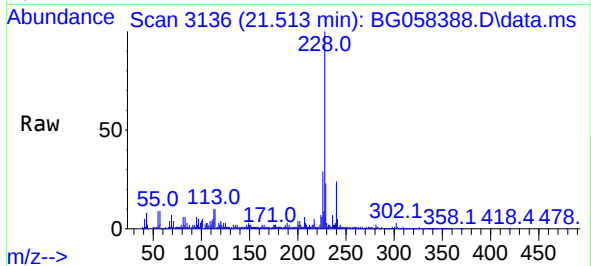
Tgt Ion:202 Resp: 64195
Ion Ratio Lower Upper
202 100
101 13.4 10.2 15.2
100 11.1 8.9 13.3





#85
Benzo(a)anthracene
Concen: 9.656 ng/ul
RT: 21.513 min Scan# 3135
Delta R.T. 0.001 min
Lab File: BG058388.D
Acq: 21 Jul 2023 15:16

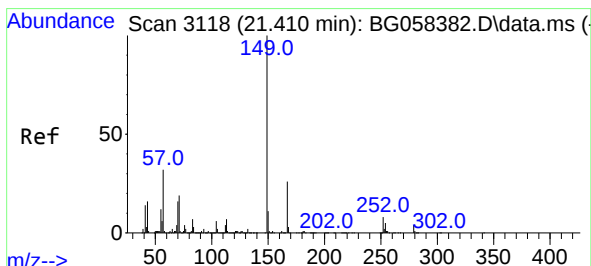
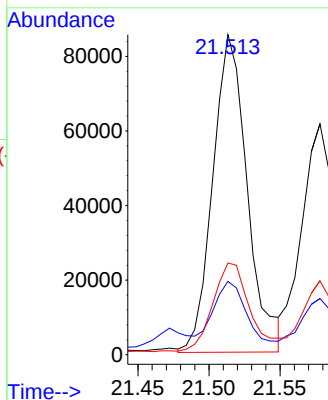
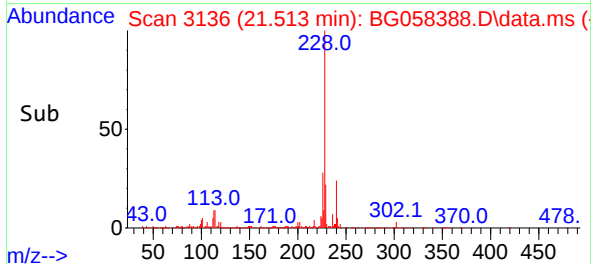
Instrument :
BNA_G
ClientSampleId :
A46S3



Tgt Ion:228 Resp: 143640
Ion Ratio Lower Upper
228 100
229 22.9 15.7 23.5
226 28.7 21.8 32.8

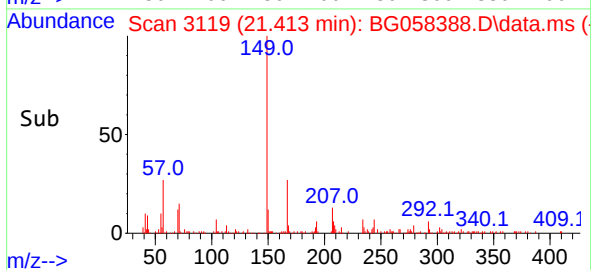
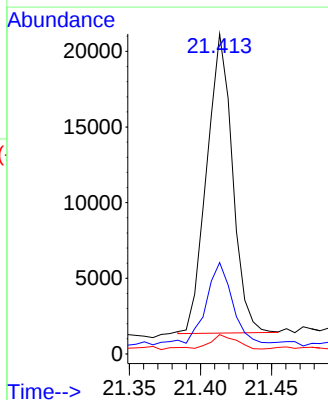
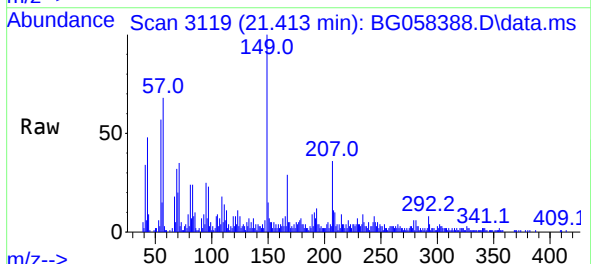
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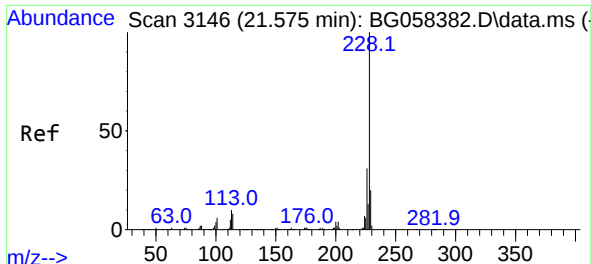
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023



#86
Bis(2-ethylhexyl)phthalate
Concen: 2.933 ng/ul
RT: 21.413 min Scan# 3119
Delta R.T. 0.001 min
Lab File: BG058388.D
Acq: 21 Jul 2023 15:16

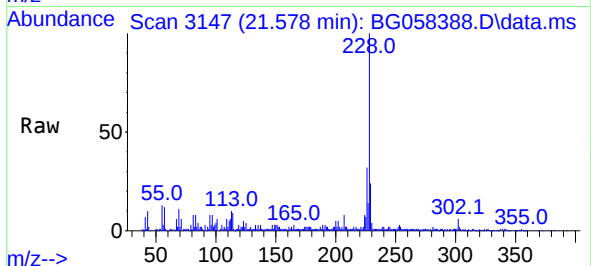
Tgt Ion:149 Resp: 24929
Ion Ratio Lower Upper
149 100
167 28.5 21.6 32.4
279 6.1 3.0 4.4#





#87
Chrysene
Concen: 7.625 ng/ul m
RT: 21.578 min Scan# 3146
Delta R.T. 0.001 min
Lab File: BG058388.D
Acq: 21 Jul 2023 15:16

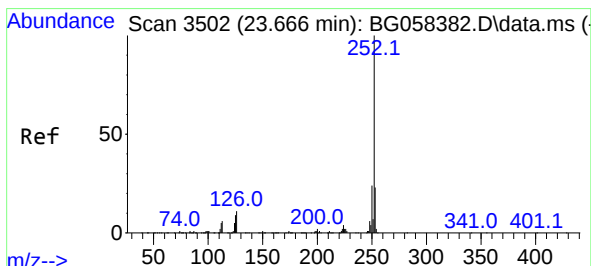
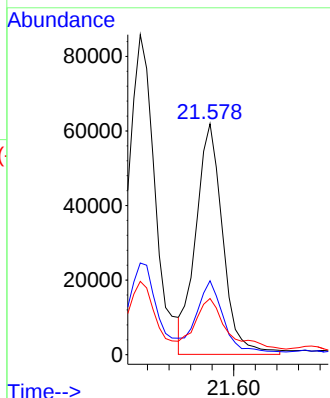
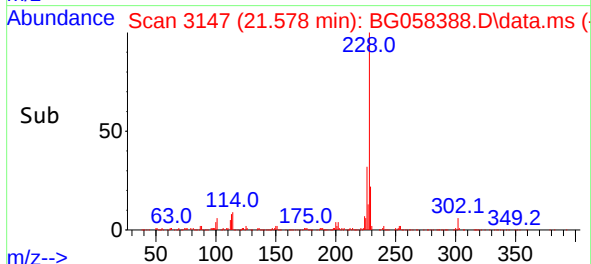
Instrument :
BNA_G
ClientSampleId :
A46S3



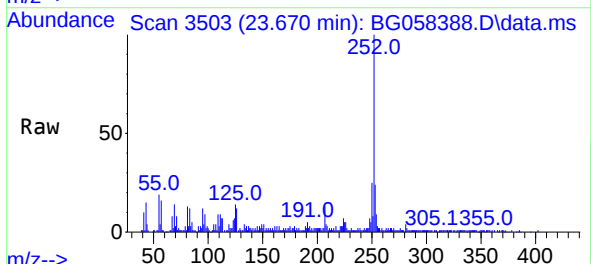
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Ion Ratio Lower Upper
228 100
226 32.0 24.0 36.0
229 24.3 15.8 23.8

Manual Integrations
APPROVED

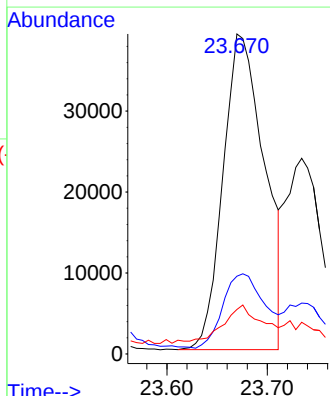
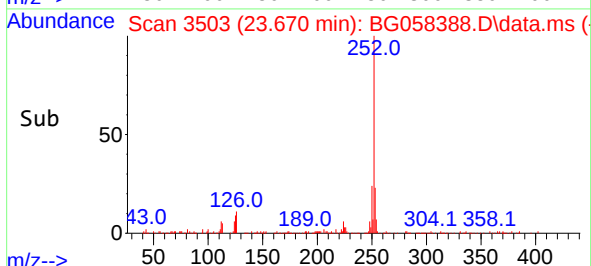
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023

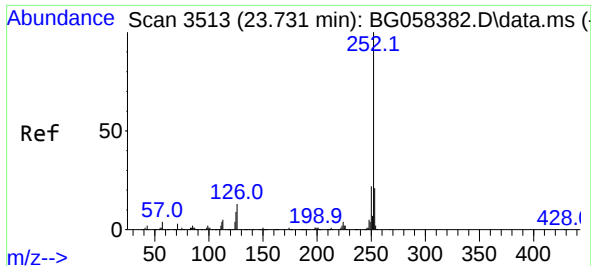


#90
Benzo(b)fluoranthene
Concen: 6.881 ng/ul
RT: 23.670 min Scan# 3503
Delta R.T. 0.001 min
Lab File: BG058388.D
Acq: 21 Jul 2023 15:16



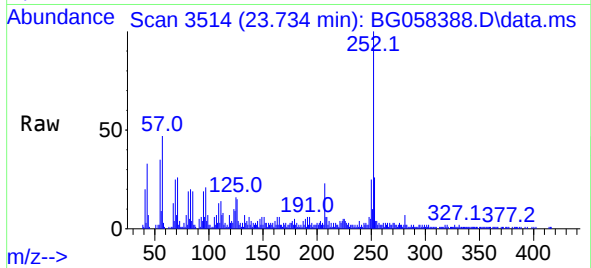
Tgt Ion:252 Resp: 111731
Ion Ratio Lower Upper
252 100
253 24.3 17.9 26.9
125 13.9 6.7 10.1





#91
Benzo(k)fluoranthene
Concen: 3.641 ng/ul m
RT: 23.734 min Scan# 3513
Delta R.T. 0.001 min
Lab File: BG058388.D
Acq: 21 Jul 2023 15:16

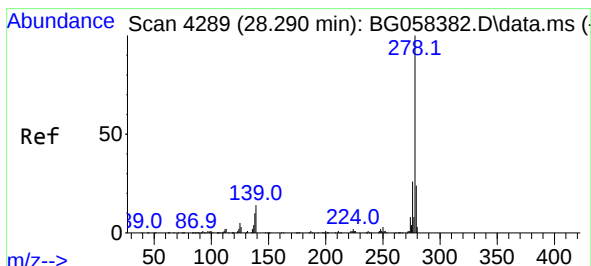
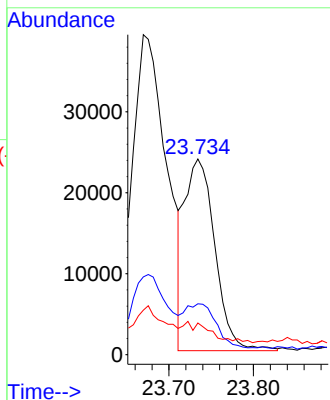
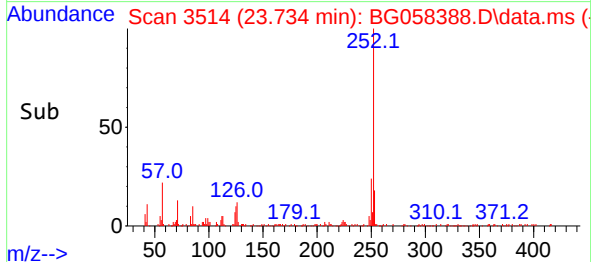
Instrument :
BNA_G
ClientSampleId :
A46S3



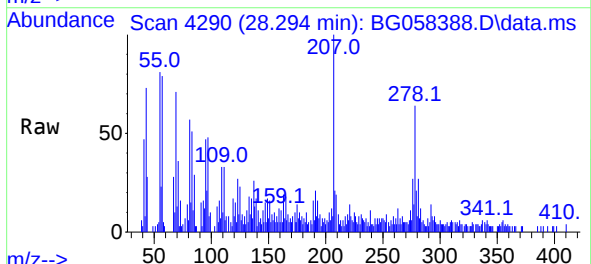
Tgt Ion:252 Resp: 58960
Ion Ratio Lower Upper
252 100
253 26.0 18.3 27.5
125 16.2 7.4 11.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023



#95
Dibenzo(a,h)anthracene
Concen: 1.250 ng/ul m
RT: 28.294 min Scan# 4290
Delta R.T. 0.001 min
Lab File: BG058388.D
Acq: 21 Jul 2023 15:16



Tgt Ion:278 Resp: 19499
Ion Ratio Lower Upper
278 100
139 26.9 10.4 15.6#
279 32.5 18.4 27.6#

