

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072123\
 Data File : BG058389.D
 Acq On : 21 Jul 2023 15:57
 Operator : CG/JU
 Sample : 03504-13
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A46S8

Manual Integrations
 APPROVED

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

Quant Time: Jul 22 00:26:19 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	7.900	152	50425	20.000	ng/u1	0.00
20) Naphthalene-d8	10.702	136	210857	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.539	164	136514	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.283	188	284623	20.000	ng/u1	0.00
79) Chrysene-d12	21.537	240	228225	20.000	ng/u1	0.00
88) Perylene-d12	24.674	264	280063	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.346	96	3563	2.601	ng/uL	0.00
4) Pyridine-d5	3.752	84	51234	12.599	ng/u1	0.00
7) Phenol-d5	7.065	99	44620	9.328	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.224	67	45451	15.202	ng/u1	0.00
11) 2-Chlorophenol-d4	7.430	132	38370	11.459	ng/u1	0.00
15) 4-Methylphenol-d8	8.611	113	2562	0.702	ng/u1	0.00
21) Nitrobenzene-d5	9.057	128	25082	15.870	ng/u1	0.00
24) 2-Nitrophenol-d4	9.780	143	26091	15.121	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.326	165	25600	7.740	ng/u1	0.00
31) 4-Chloroaniline-d4	10.843	131	382	0.080	ng/u1	0.00
46) Dimethylphthalate-d6	13.940	166	158800	15.085	ng/u1	0.00
49) Acenaphthylene-d8	14.228	160	169251	15.342	ng/u1	0.00
54) 4-Nitrophenol-d4	14.745	143	17218	10.830	ng/u1	0.00
60) Fluorene-d10	15.526	176	145198	16.660	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.655	200	5179	3.571	ng/u1	0.00
73) Anthracene-d10	17.383	188	141699	11.522	ng/u1	0.00
81) Pyrene-d10	19.668	212	147175	10.918	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.457	264	54099	3.997	ng/u1	0.00
Target Compounds						
					Qvalue	
10) Bis(2-Chloroethyl)ether	7.318	93	12180	3.201	ng/u1	96
16) Acetophenone	8.716	105	9320	1.500	ng/u1	87
52) Acenaphthene	14.598	153	16689	2.019	ng/u1	95
56) Dibenzofuran	14.938	168	16806	1.428	ng/u1	92
61) Fluorene	15.585	166	19346	2.004	ng/u1#	95
72) Phenanthrene	17.324	178	354372	26.199	ng/u1	99
74) Anthracene	17.412	178	47402	3.491	ng/u1	97
77) Carbazole	17.688	167	16700	1.419	ng/u1	94
80) Fluoranthene	19.339	202	535737	34.693	ng/u1	99
82) Pyrene	19.703	202	250667	16.020	ng/u1	99
85) Benzo(a)anthracene	21.513	228	214705	13.996	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	21.413	149	23359	2.665	ng/u1#	86
87) Chrysene	21.584	228	217028	14.915	ng/u1	98
90) Benzo(b)fluoranthene	23.681	252	248442	15.332	ng/u1#	97
91) Benzo(k)fluoranthene	23.734	252	102300m	6.330	ng/u1	
93) Benzo(a)pyrene	24.521	252	35118	2.437	ng/u1#	80
94) Indeno(1,2,3-cd)pyrene	28.241	276	56619	2.982	ng/u1	97
95) Dibenzo(a,h)anthracene	28.276	278	32562m	2.091	ng/u1	

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

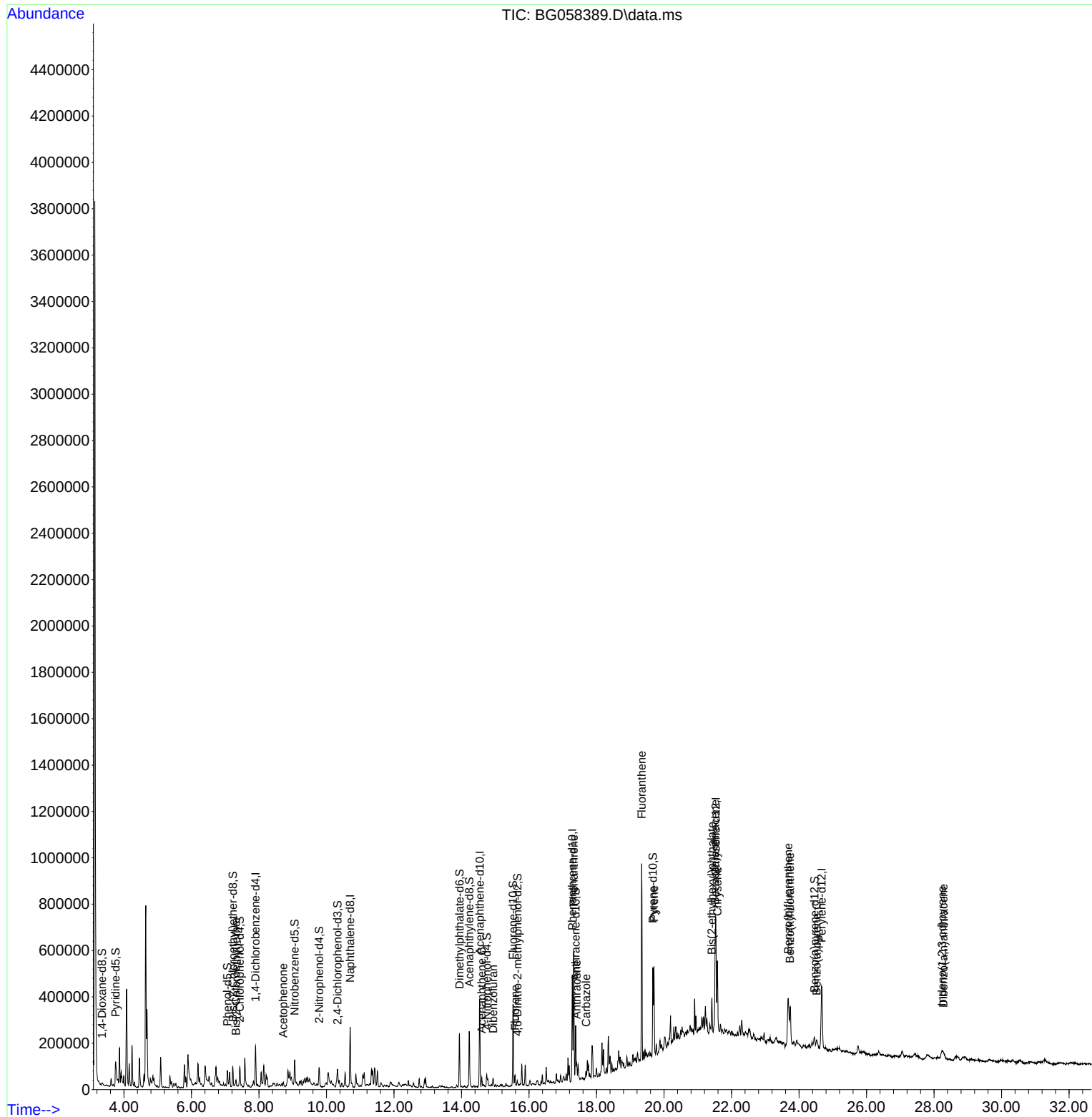
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072123\
Data File : BG058389.D
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Operator : CG/JU
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ALS Vial : 9 Sample Multiplier: 1

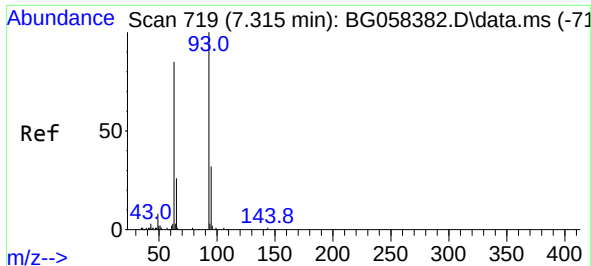
Instrument :
BNA_G
ClientSampleId :
A46S8

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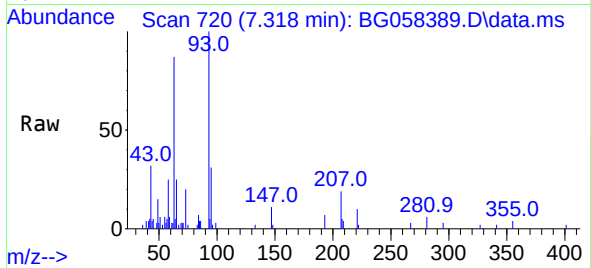
Quant Time: Jul 22 00:26:19 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071723.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 18 02:19:39 2023
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#10
Bis(2-Chloroethyl)ether
Concen: 3.201 ng/ul
RT: 7.318 min Scan# 719
Delta R.T. 0.001 min
Lab File: BG058389.D
Acq: 21 Jul 2023 15:57

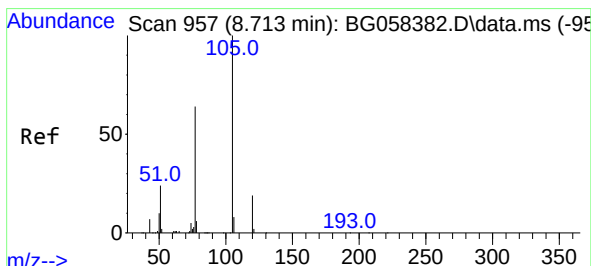
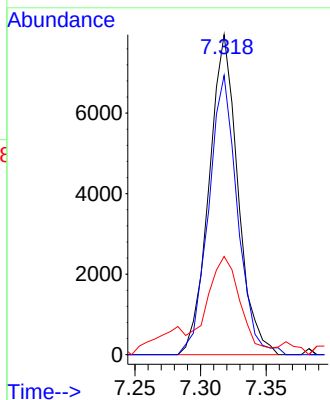
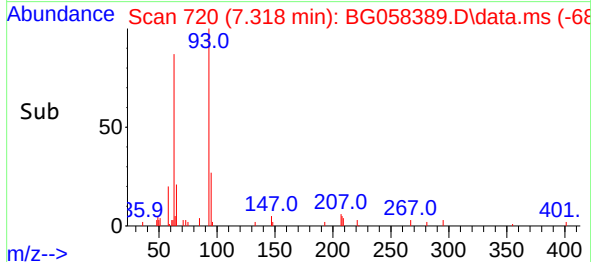
Instrument :
BNA_G
ClientSampleId :
A46S8



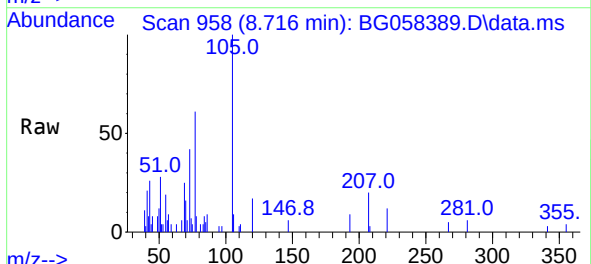
Tgt Ion: 93 Resp: 12180
Ion Ratio Lower Upper
93 100
63 87.3 67.7 101.5
95 30.7 27.0 40.6

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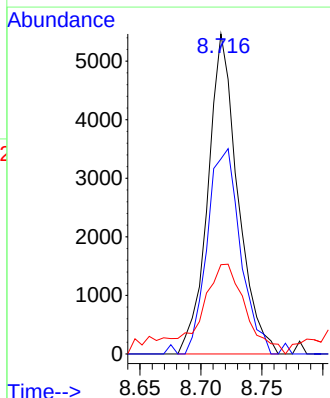
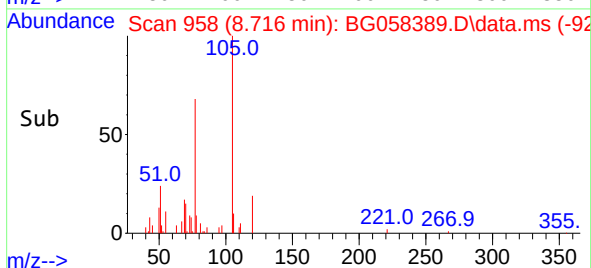
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023

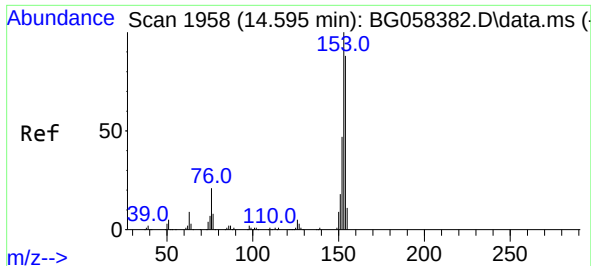


#16
Acetophenone
Concen: 1.500 ng/ul
RT: 8.716 min Scan# 958
Delta R.T. -0.005 min
Lab File: BG058389.D
Acq: 21 Jul 2023 15:57



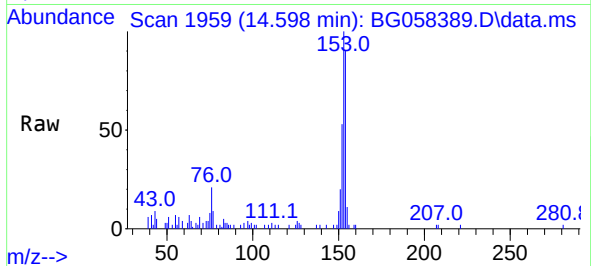
Tgt Ion:105 Resp: 9320
Ion Ratio Lower Upper
105 100
77 61.0 60.7 91.1
51 27.9 23.5 35.3





#52
Acenaphthene
Concen: 2.019 ng/u1
RT: 14.598 min Scan# 1958
Delta R.T. -0.005 min
Lab File: BG058389.D
Acq: 21 Jul 2023 15:57

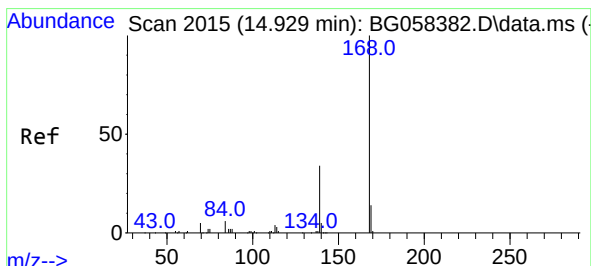
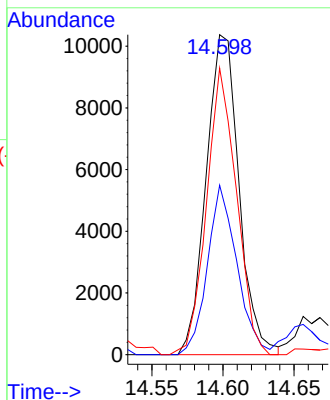
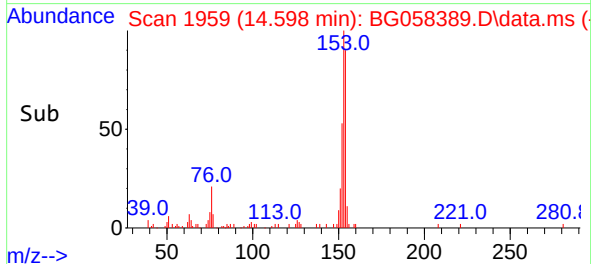
Instrument :
BNA_G
ClientSampleId :
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Tgt Ion:153 Resp: 16689
Ion Ratio Lower Upper
153 100
152 53.0 39.1 58.7
154 89.6 68.7 103.1

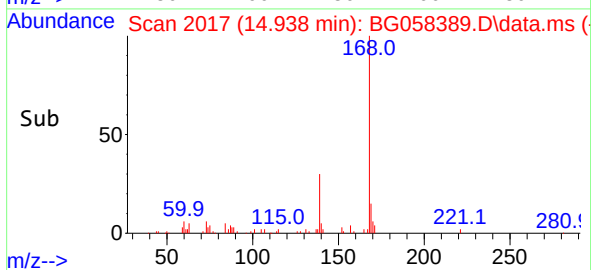
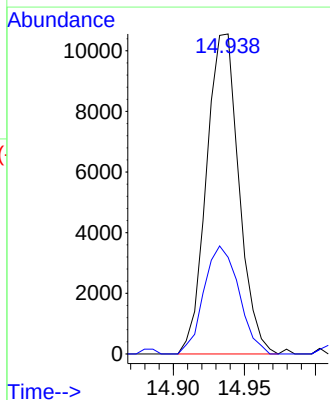
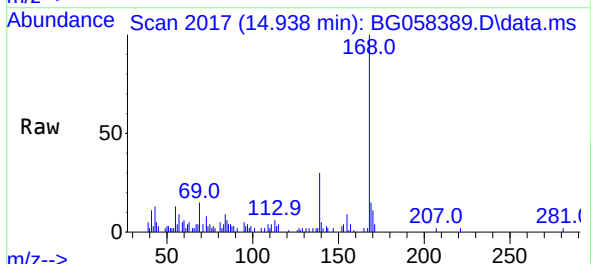
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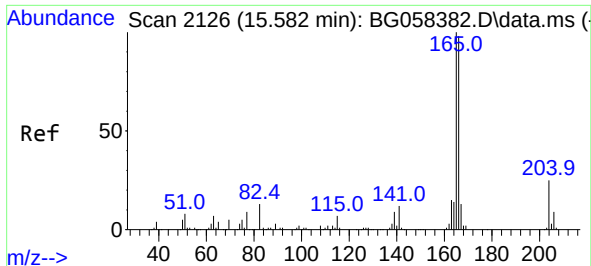
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023



#56
Dibenzofuran
Concen: 1.428 ng/u1
RT: 14.938 min Scan# 2017
Delta R.T. 0.001 min
Lab File: BG058389.D
Acq: 21 Jul 2023 15:57

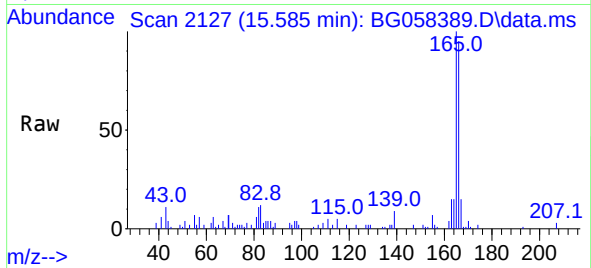
Tgt Ion:168 Resp: 16806
Ion Ratio Lower Upper
168 100
139 30.2 27.8 41.8





#61
Fluorene
Concen: 2.004 ng/u1
RT: 15.585 min Scan# 2126
Delta R.T. 0.001 min
Lab File: BG058389.D
Acq: 21 Jul 2023 15:57

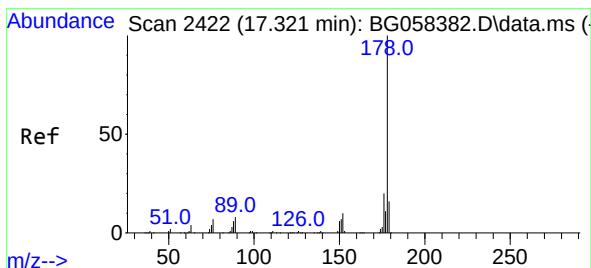
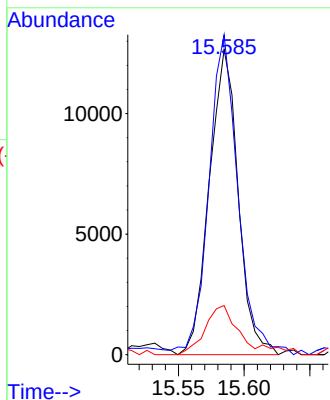
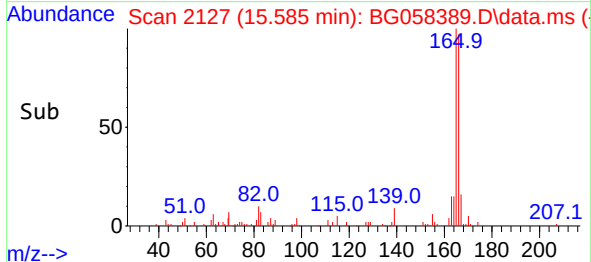
Instrument :
BNA_G
ClientSampleId :
A46S8



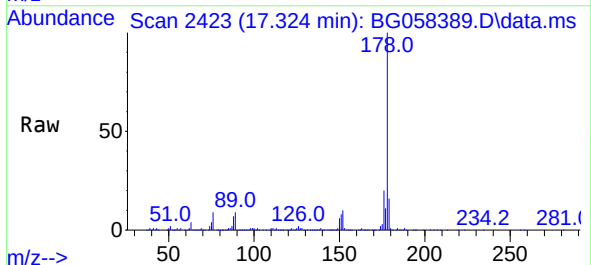
Tgt Ion:166 Resp: 19340
Ion Ratio Lower Upper
166 100
165 104.8 80.2 120.2
167 16.1 10.5 15.7

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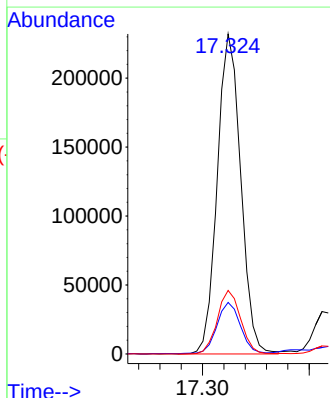
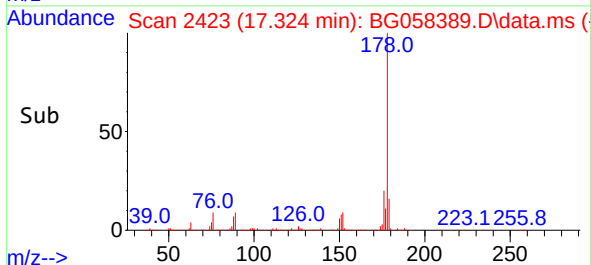
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023

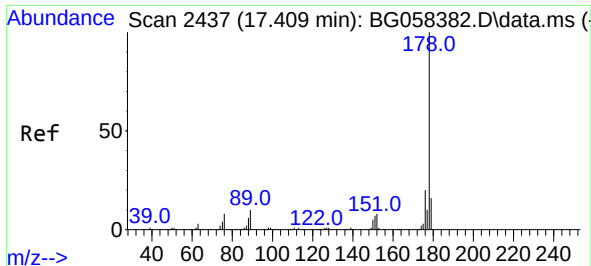


#72
Phenanthrene
Concen: 26.199 ng/u1
RT: 17.324 min Scan# 2423
Delta R.T. 0.001 min
Lab File: BG058389.D
Acq: 21 Jul 2023 15:57



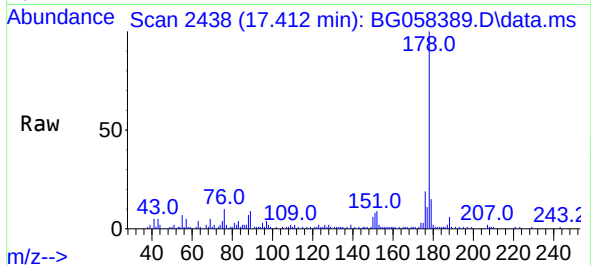
Tgt Ion:178 Resp: 354372
Ion Ratio Lower Upper
178 100
179 16.1 11.9 17.9
176 19.9 15.8 23.8





#74
 Anthracene
 Concen: 3.491 ng/u1
 RT: 17.412 min Scan# 2437
 Delta R.T. -0.005 min
 Lab File: BG058389.D
 Acq: 21 Jul 2023 15:57

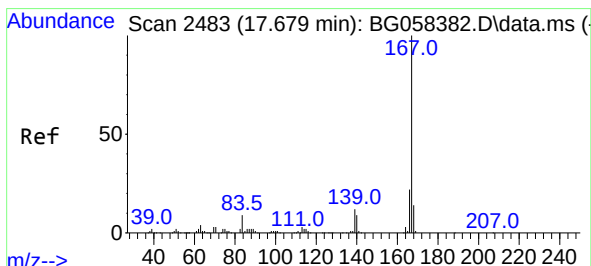
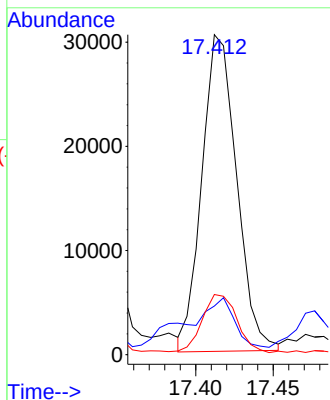
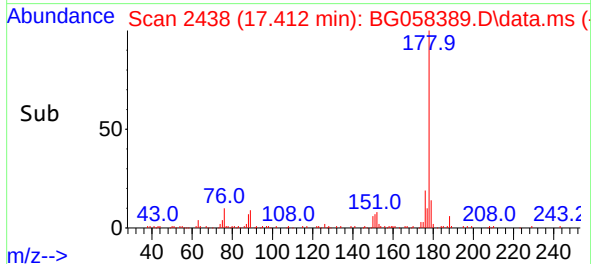
Instrument :
 BNA_G
 ClientSampleId :
 A46S8



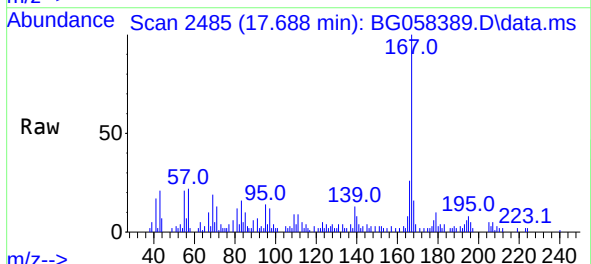
Tgt Ion:178 Resp: 4740
 Ion Ratio Lower Upper
 178 100
 179 15.2 13.4 20.2
 176 18.8 16.2 24.2

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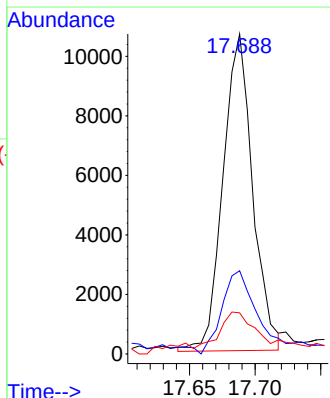
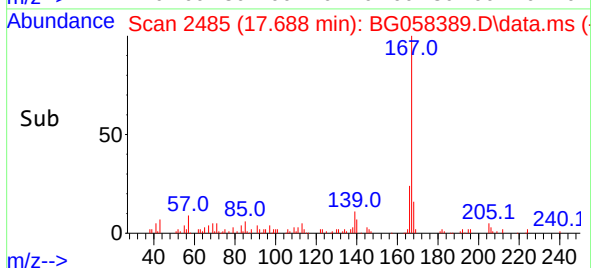
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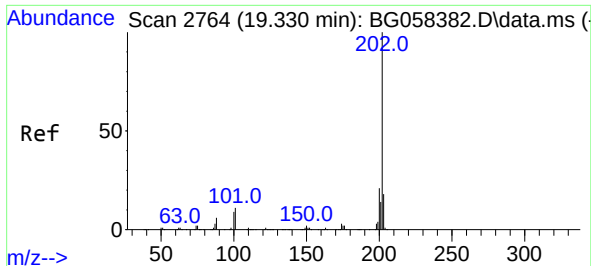


#77
 Carbazole
 Concen: 1.419 ng/u1
 RT: 17.688 min Scan# 2485
 Delta R.T. 0.007 min
 Lab File: BG058389.D
 Acq: 21 Jul 2023 15:57



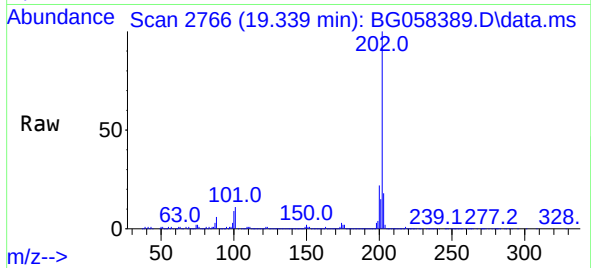
Tgt Ion:167 Resp: 16700
 Ion Ratio Lower Upper
 167 100
 166 26.0 17.8 26.8
 139 12.9 9.4 14.0





#80
Fluoranthene
Concen: 34.693 ng/u1
RT: 19.339 min Scan# 21
Delta R.T. 0.007 min
Lab File: BG058389.D
Acq: 21 Jul 2023 15:57

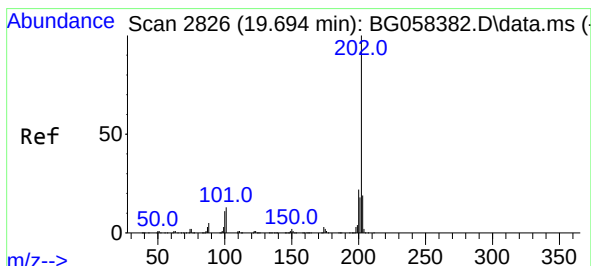
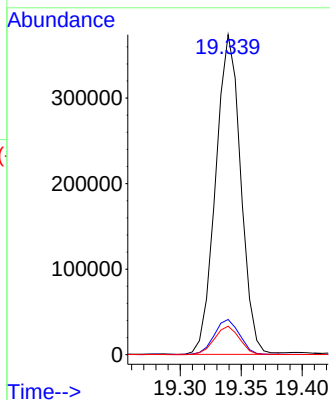
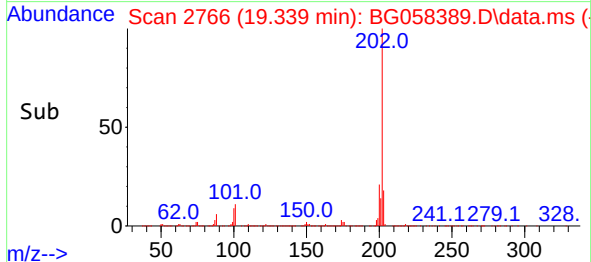
Instrument :
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Tgt Ion:202 Resp: 53573
Ion Ratio Lower Upper
202 100
101 11.0 8.6 12.8
100 8.9 7.2 10.8

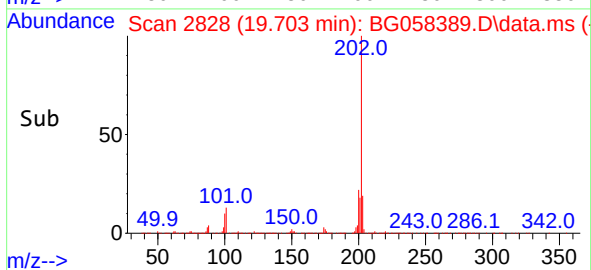
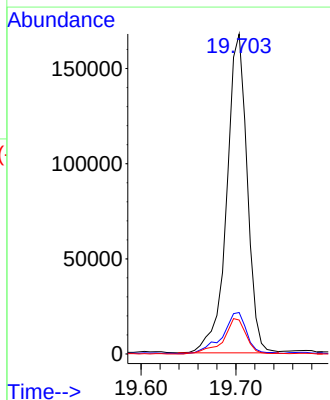
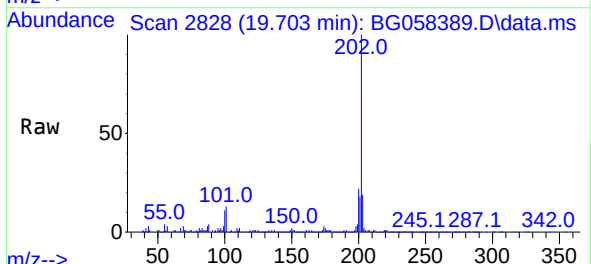
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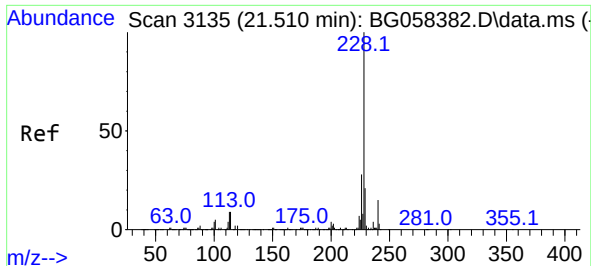
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023



#82
Pyrene
Concen: 16.020 ng/u1
RT: 19.703 min Scan# 2828
Delta R.T. 0.007 min
Lab File: BG058389.D
Acq: 21 Jul 2023 15:57

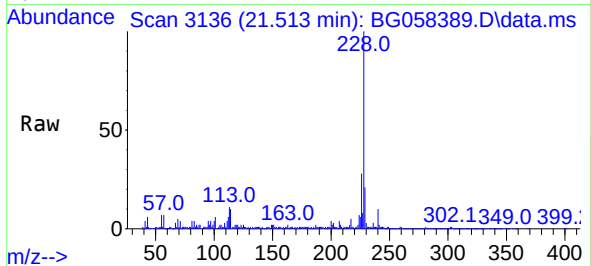
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Ion Ratio Lower Upper
202 100
101 13.0 10.2 15.2
100 10.6 8.9 13.3





#85
Benzo(a)anthracene
Concen: 13.996 ng/u1
RT: 21.513 min Scan# 3135
Delta R.T. 0.001 min
Lab File: BG058389.D
Acq: 21 Jul 2023 15:57

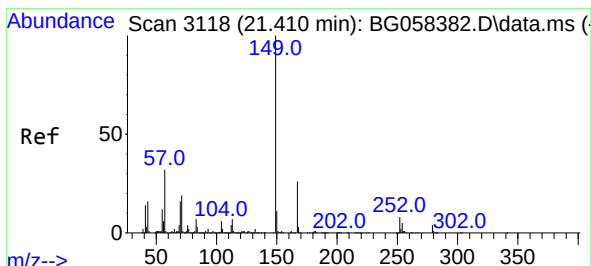
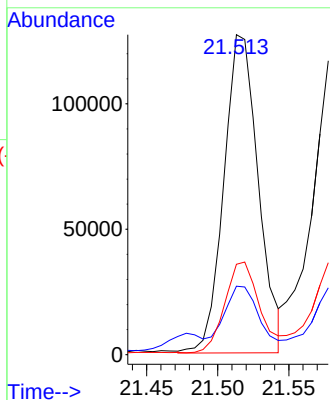
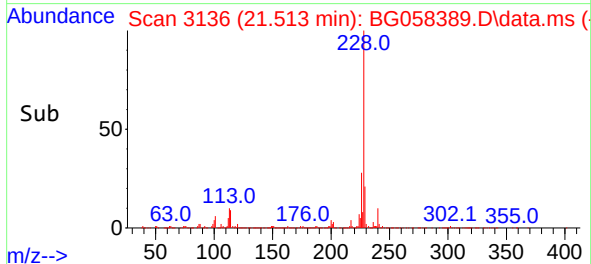
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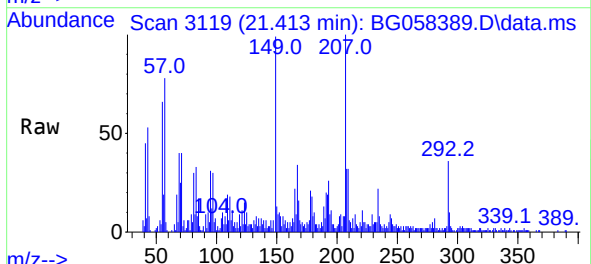
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Ion Ratio Lower Upper
228 100
229 21.4 15.7 23.5
226 28.3 21.8 32.8

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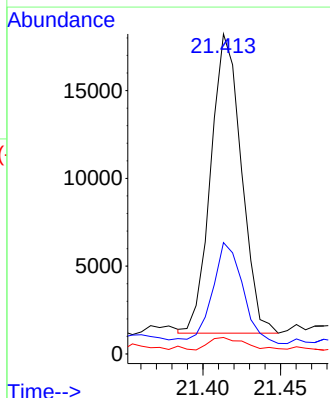
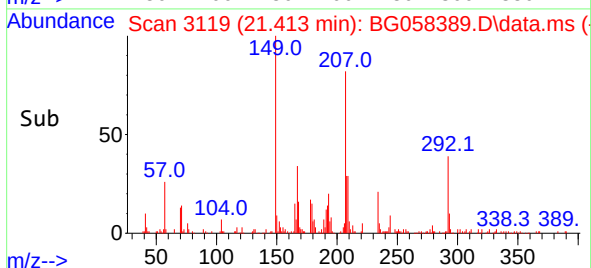
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023

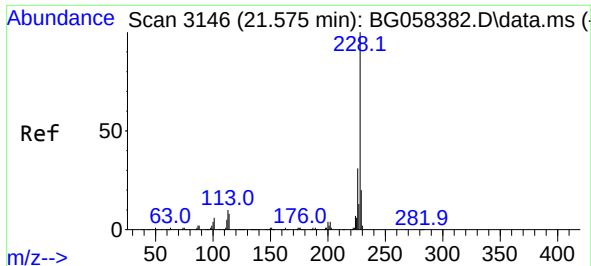


#86
Bis(2-ethylhexyl)phthalate
Concen: 2.665 ng/u1
RT: 21.413 min Scan# 3119
Delta R.T. 0.001 min
Lab File: BG058389.D
Acq: 21 Jul 2023 15:57



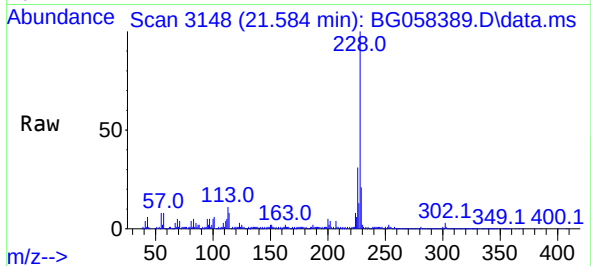
Tgt Ion:149 Resp: 23359
Ion Ratio Lower Upper
149 100
167 34.8 21.6 32.4#
279 5.1 3.0 4.4#





#87
Chrysene
Concen: 14.915 ng/u1
RT: 21.584 min Scan# 3148
Delta R.T. 0.007 min
Lab File: BG058389.D
Acq: 21 Jul 2023 15:57

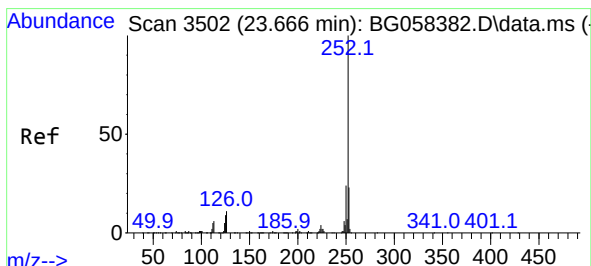
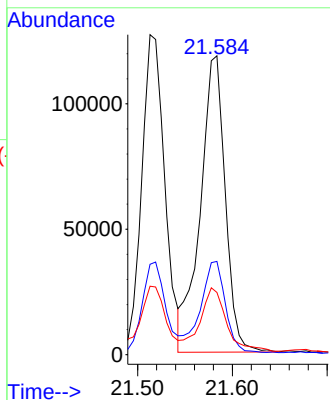
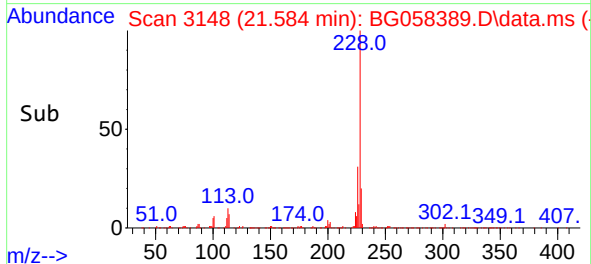
Instrument :
BNA_G
ClientSampleId :
A46S8



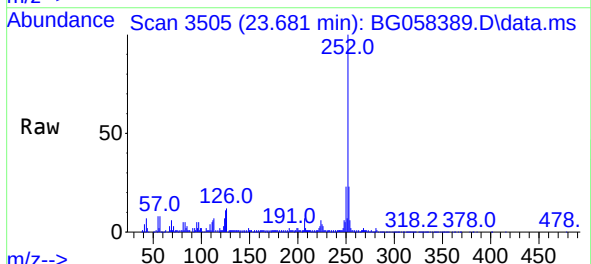
Tgt Ion:228 Resp: 217028
Ion Ratio Lower Upper
228 100
226 31.2 24.0 36.0
229 20.8 15.8 23.8

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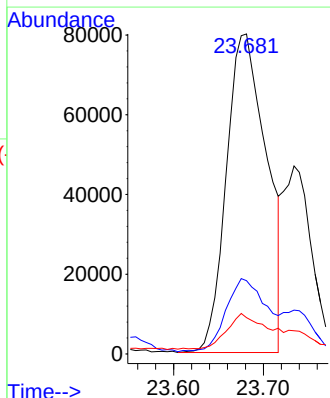
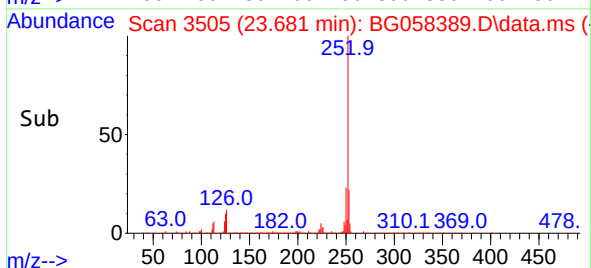
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023

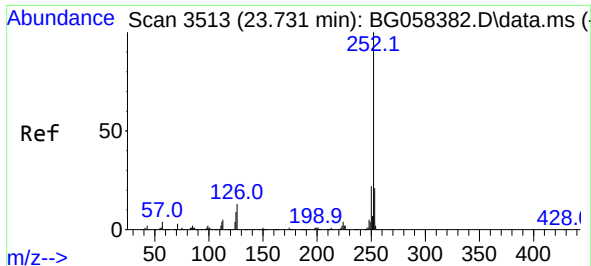


#90
Benzo(b)fluoranthene
Concen: 15.332 ng/u1
RT: 23.681 min Scan# 3505
Delta R.T. 0.013 min
Lab File: BG058389.D
Acq: 21 Jul 2023 15:57



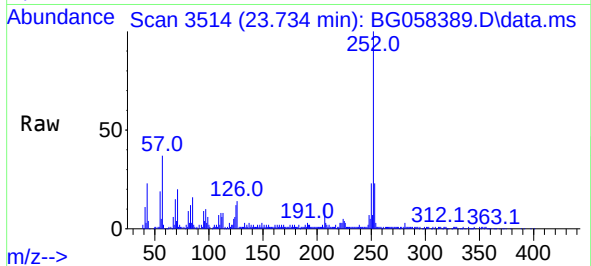
Tgt Ion:252 Resp: 248442
Ion Ratio Lower Upper
252 100
253 22.9 17.9 26.9
125 11.4 6.7 10.1#





#91
Benzo(k)fluoranthene
Concen: 6.330 ng/ul m
RT: 23.734 min Scan# 3513
Delta R.T. 0.001 min
Lab File: BG058389.D
Acq: 21 Jul 2023 15:57

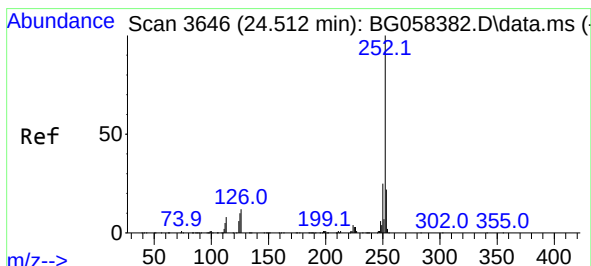
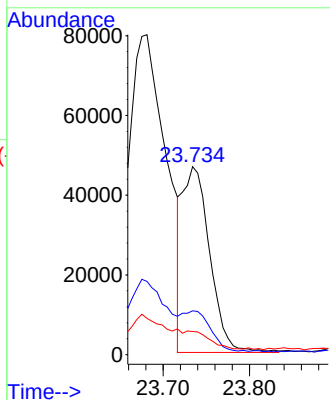
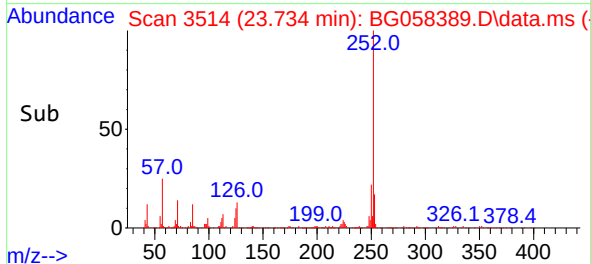
Instrument :
BNA_G
ClientSampleId :
A46S8



Tgt Ion:252 Resp: 102300
Ion Ratio Lower Upper
252 100
253 23.3 18.3 27.5
125 12.4 7.4 11.0

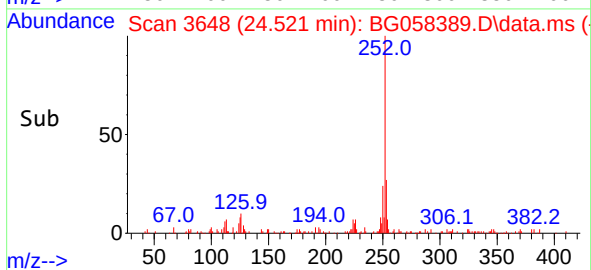
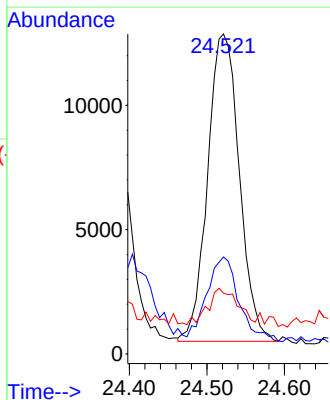
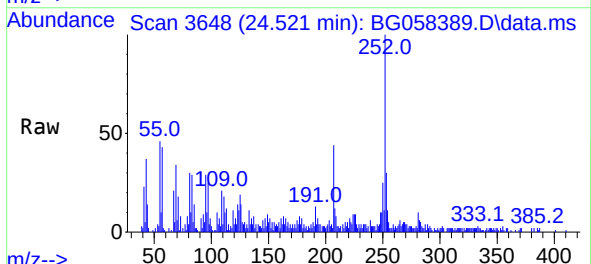
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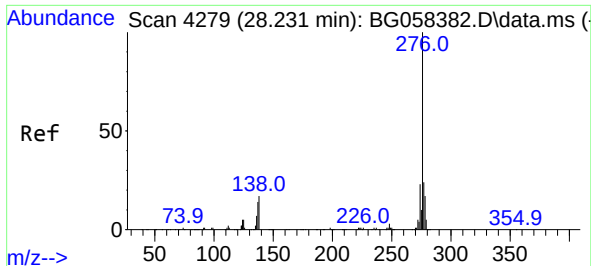
Reviewed By :Yogesh Patel 07/22/2023
Supervised By :mohammad ahmed 07/22/2023



#93
Benzo(a)pyrene
Concen: 2.437 ng/ul
RT: 24.521 min Scan# 3648
Delta R.T. 0.001 min
Lab File: BG058389.D
Acq: 21 Jul 2023 15:57

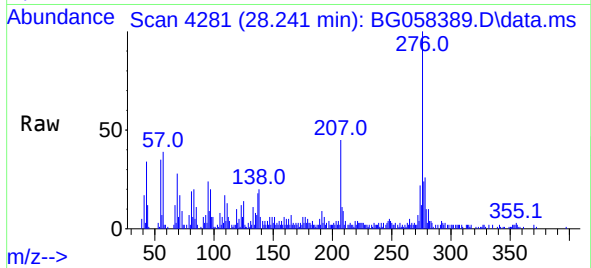
Tgt Ion:252 Resp: 35118
Ion Ratio Lower Upper
252 100
253 30.3 17.4 26.0#
125 19.0 7.7 11.5#





#94
Indeno(1,2,3-cd)pyrene
Concen: 2.982 ng/ul
RT: 28.241 min Scan# 4281
Delta R.T. 0.013 min
Lab File: BG058389.D
Acq: 21 Jul 2023 15:57

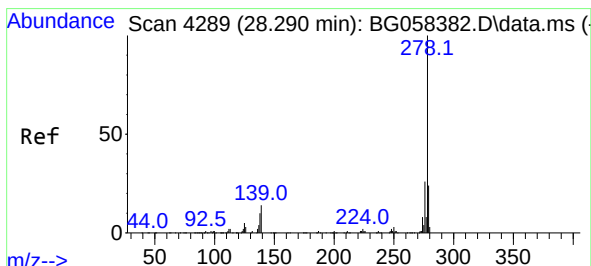
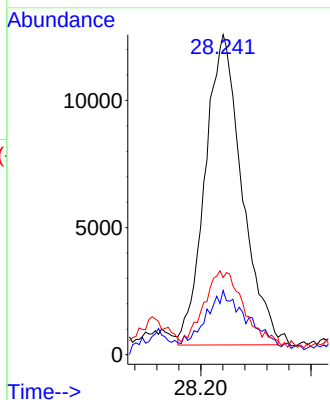
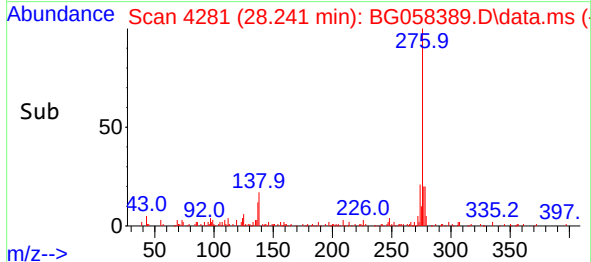
Instrument :
BNA_G
ClientSampleId :
A46S8



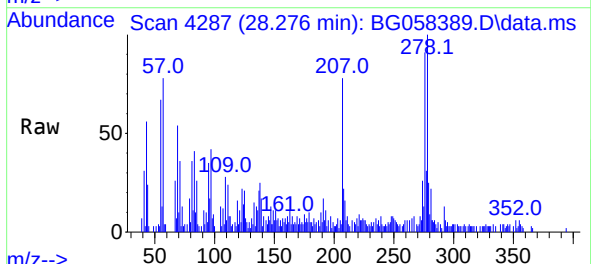
Tgt Ion:276 Resp: 56619
Ion Ratio Lower Upper
276 100
138 20.1 13.8 20.6
277 24.1 19.2 28.8

Manual Integrations
APPROVED

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



#95
Dibenzo(a,h)anthracene
Concen: 2.091 ng/ul m
RT: 28.276 min Scan# 4287
Delta R.T. -0.017 min
Lab File: BG058389.D
Acq: 21 Jul 2023 15:57



Tgt Ion:278 Resp: 32562
Ion Ratio Lower Upper
278 100
139 17.2 10.4 15.6#
279 25.1 18.4 27.6

