

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050123\
 Data File : BG057251.D
 Acq On : 1 May 2023 14:02
 Operator : CG/JU
 Sample : 02418-28DL 10X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW902DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/02/2023
 Supervised By : Jagrut Upadhyay 05/02/2023

Quant Time: May 01 23:11:30 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 01 12:45:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.384	152	17065	20.000	ng/u1	0.00
20) Naphthalene-d8	11.221	136	73568	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.999	164	55764	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.736	188	129647	20.000	ng/u1	0.00
79) Chrysene-d12	22.048	240	110012	20.000	ng/u1	# 0.00
88) Perylene-d12	25.573	264	115475	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.000	96	0	0.000	ng/uL	
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.515	99	2195	1.360	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.685	67	1555	1.638	ng/u1	0.00
11) 2-Chlorophenol-d4	7.914	132	1622	1.525	ng/u1	0.00
15) 4-Methylphenol-d8	9.083	113	1419	1.157	ng/u1	0.00
21) Nitrobenzene-d5	9.559	128	824	1.406	ng/u1	0.00
24) 2-Nitrophenol-d4	10.293	143	1064	1.556	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.845	165	2012	1.525	ng/u1	0.01
31) 4-Chloroaniline-d4	0.000	131	0d	0.000	ng/u1	
46) Dimethylphthalate-d6	14.382	166	8198	1.855	ng/u1	0.00
49) Acenaphthylene-d8	14.693	160	9111	1.835	ng/u1	0.00
54) 4-Nitrophenol-d4	0.000	143	0d	0.000	ng/u1	
60) Fluorene-d10	15.980	176	7492	1.820	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0d	0.000	ng/u1	
73) Anthracene-d10	17.830	188	12196	2.061	ng/u1	0.00
81) Pyrene-d10	20.098	212	13961	2.138	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.320	264	12464	2.119	ng/u1	0.00
Target Compounds						
					Qvalue	
72) Phenanthrene	17.777	178	74084	10.973	ng/u1	98
74) Anthracene	17.871	178	16614m	2.450	ng/u1	
80) Fluoranthene	19.769	202	358154	46.173	ng/u1	98
82) Pyrene	20.127	202	304512	38.779	ng/u1	98
85) Benzo(a)anthracene	22.030	228	173724	22.328	ng/u1	99
87) Chrysene	22.101	228	182227	24.824	ng/u1	96
90) Benzo(b)fluoranthene	24.445	252	252686	31.599	ng/u1#	97
91) Benzo(k)fluoranthene	24.509	252	84475m	10.858	ng/u1	
93) Benzo(a)pyrene	25.408	252	160424	23.238	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	29.638	276	118635	13.747	ng/u1	97
95) Dibenzo(a,h)anthracene	29.661	278	31359m	4.382	ng/u1	
96) Benzo(g,h,i)perylene	30.907	276	95685	13.700	ng/u1	96

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

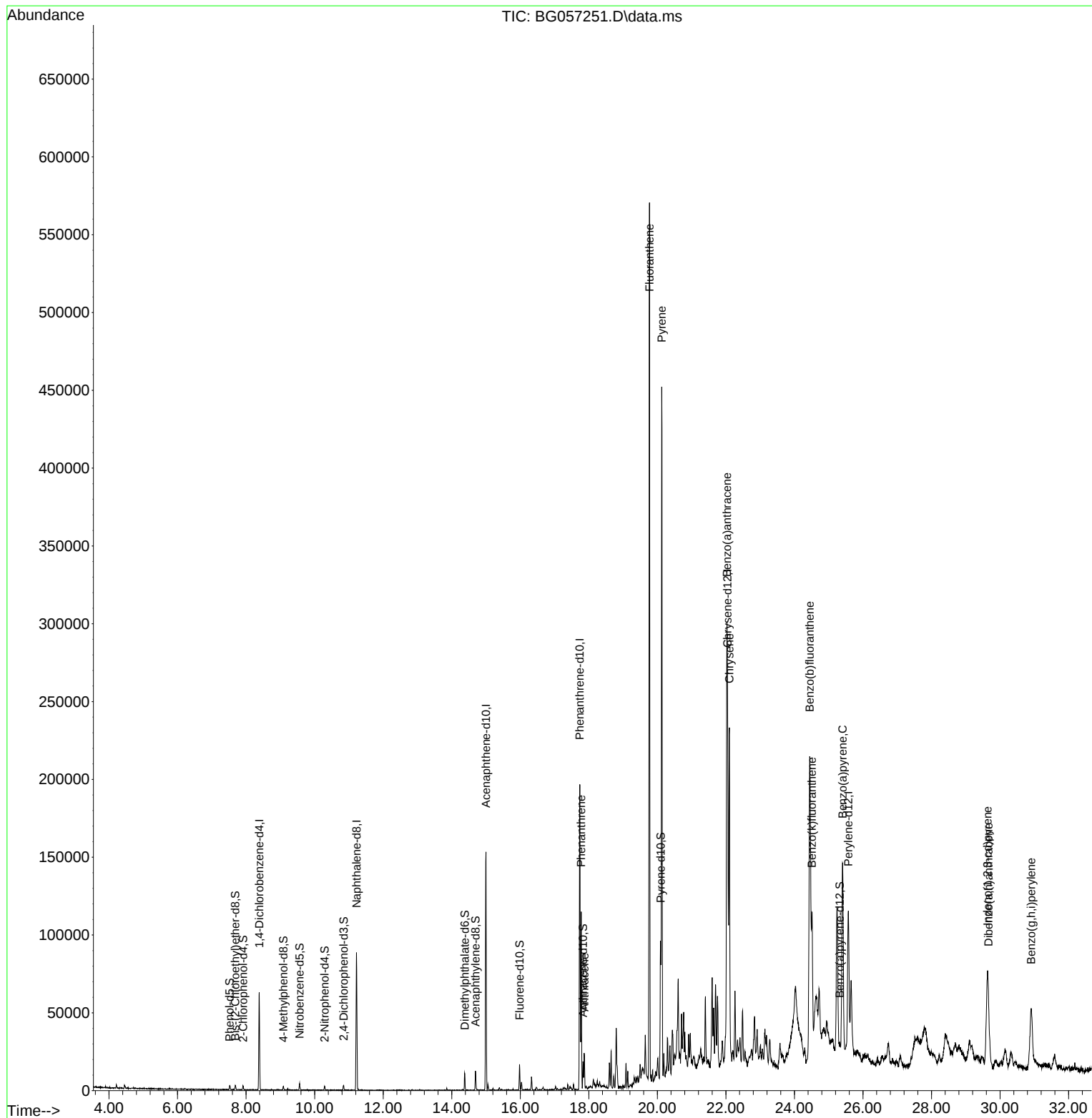
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050123\
Data File : BG057251.D
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ALS Vial : 7 Sample Multiplier: 1

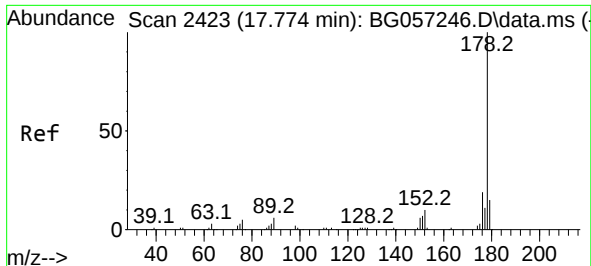
Instrument :
BNA_G
ClientSampleId :
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Quant Time: May 01 23:11:30 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG042823.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon May 01 12:45:38 2023
Response via : Initial Calibration

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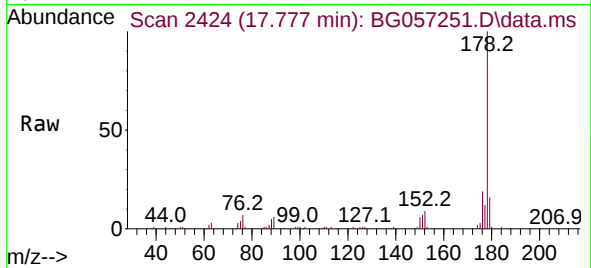
Reviewed By : Christian Giraldo 05/02/2023
Supervised By : Jagrut Upadhyay 05/02/2023





#72
Phenanthrene
Concen: 10.973 ng/ul
RT: 17.777 min Scan# 2423
Delta R.T. 0.003 min
Lab File: BG057251.D
Acq: 1 May 2023 14:02

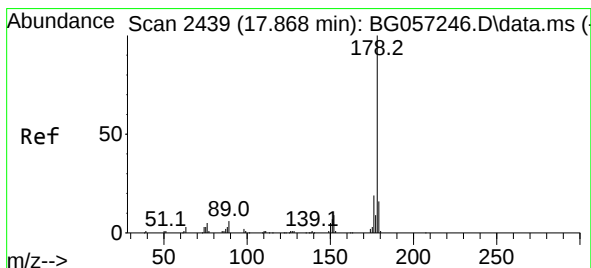
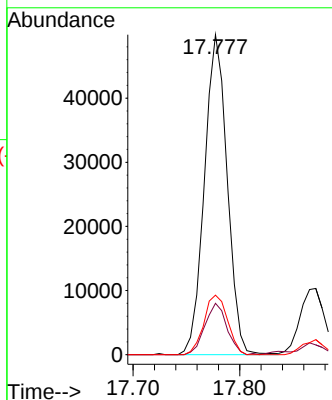
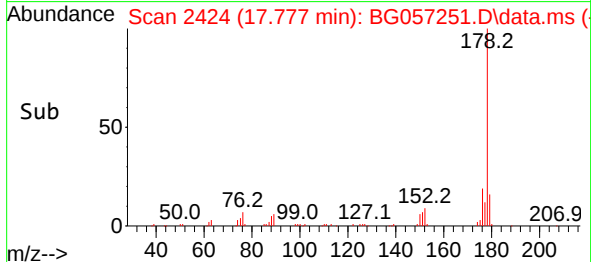
Instrument :
BNA_G
ClientSampleId :
EW902DL



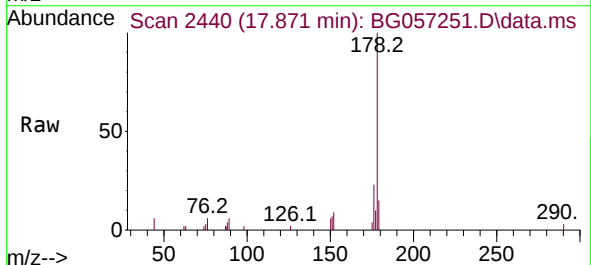
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Ion Ratio Lower Upper
178 100
179 16.0 11.8 17.8
176 18.6 15.4 23.0

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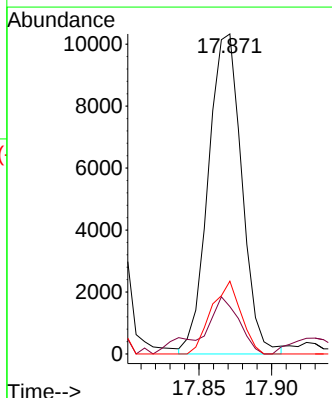
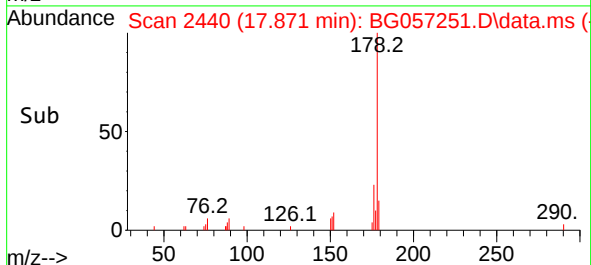
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023

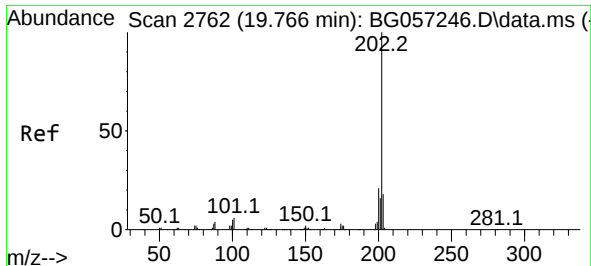


#74
Anthracene
Concen: 2.450 ng/ul m
RT: 17.871 min Scan# 2440
Delta R.T. 0.003 min
Lab File: BG057251.D
Acq: 1 May 2023 14:02



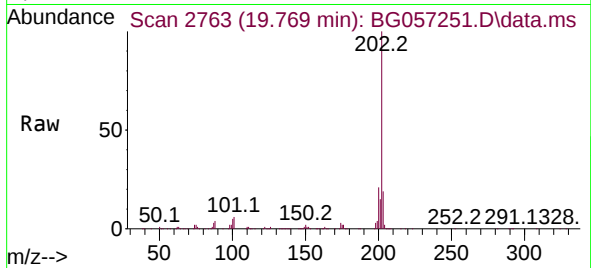
Tgt Ion:178 Resp: 16614
Ion Ratio Lower Upper
178 100
179 14.8 12.5 18.7
176 22.8 14.7 22.1#





#80
Fluoranthene
Concen: 46.173 ng/u1
RT: 19.769 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG057251.D
Acq: 1 May 2023 14:02

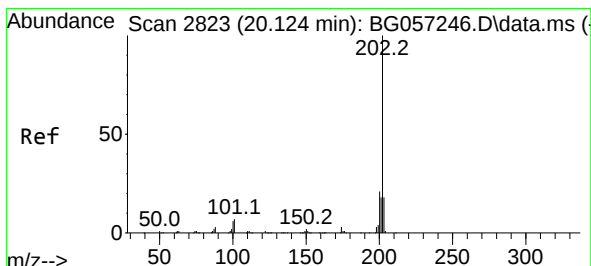
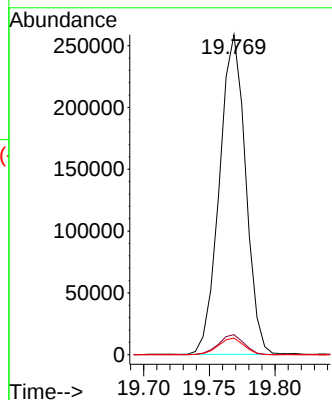
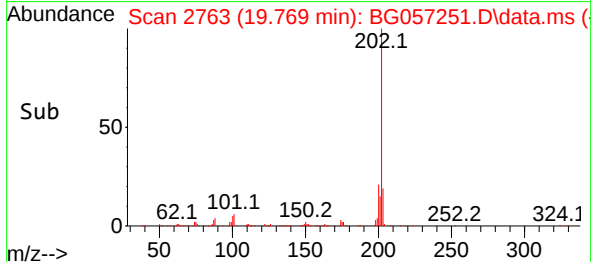
Instrument :
BNA_G
ClientSampleId :
EW902DL



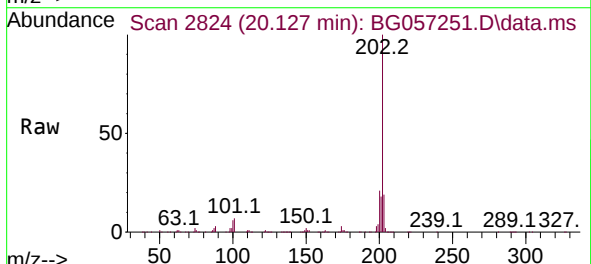
Tgt Ion:202 Resp: 358154
Ion Ratio Lower Upper
202 100
101 6.2 5.8 8.6
100 5.2 4.6 7.0

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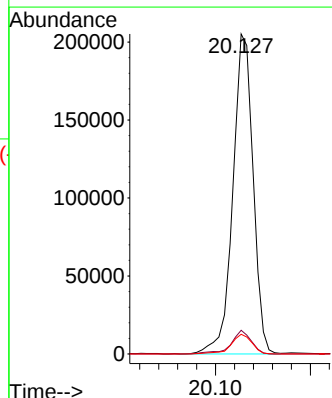
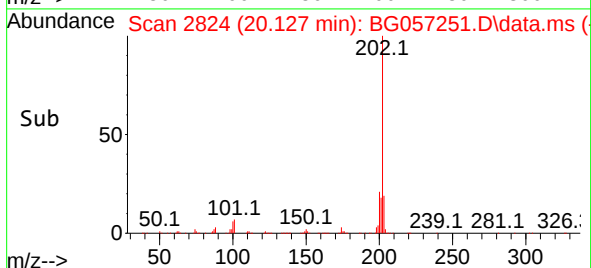
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023

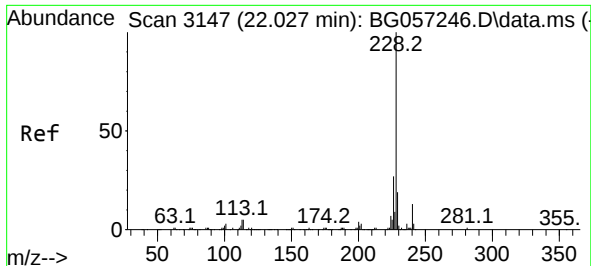


#82
Pyrene
Concen: 38.779 ng/u1
RT: 20.127 min Scan# 2824
Delta R.T. 0.003 min
Lab File: BG057251.D
Acq: 1 May 2023 14:02



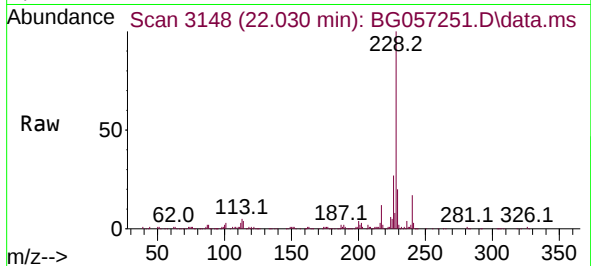
Tgt Ion:202 Resp: 304512
Ion Ratio Lower Upper
202 100
101 7.4 5.7 8.5
100 6.2 6.0 9.0





#85
Benzo(a)anthracene
Concen: 22.328 ng/u1
RT: 22.030 min Scan# 3147
Delta R.T. 0.003 min
Lab File: BG057251.D
Acq: 1 May 2023 14:02

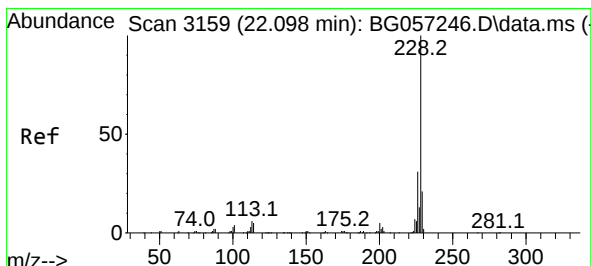
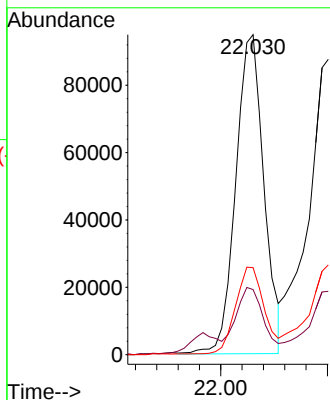
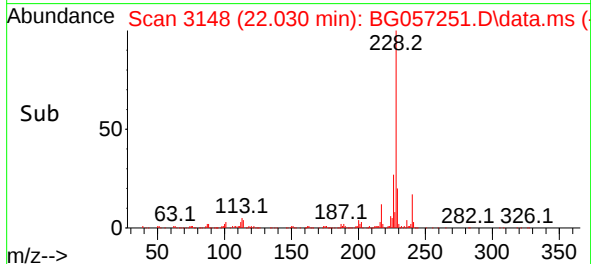
Instrument :
BNA_G
ClientSampleId :
EW902DL



Tgt Ion:228 Resp: 173724
Ion Ratio Lower Upper
228 100
229 20.4 15.8 23.6
226 27.2 21.7 32.5

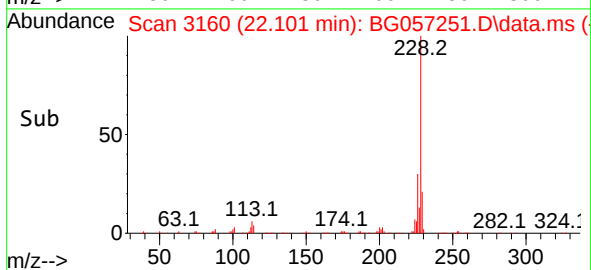
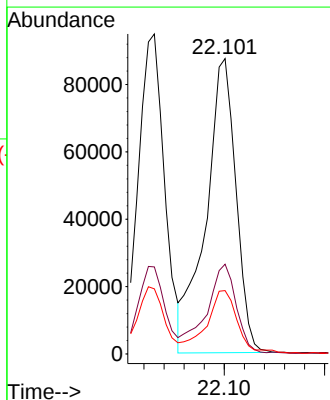
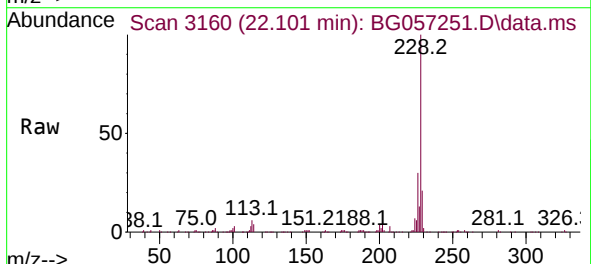
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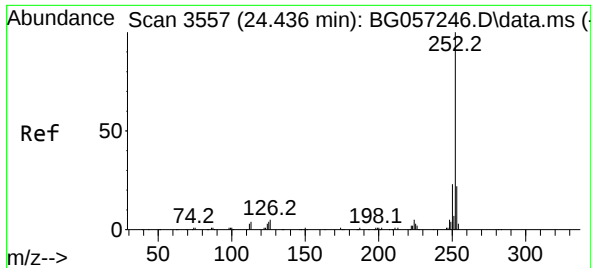
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#87
Chrysene
Concen: 24.824 ng/u1
RT: 22.101 min Scan# 3160
Delta R.T. 0.003 min
Lab File: BG057251.D
Acq: 1 May 2023 14:02

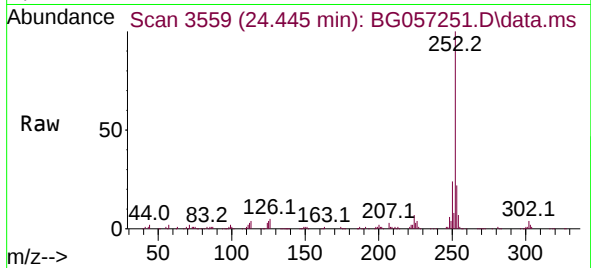
Tgt Ion:228 Resp: 182227
Ion Ratio Lower Upper
228 100
226 30.4 22.8 34.2
229 21.5 15.5 23.3





#90
Benzo(b)fluoranthene
Concen: 31.599 ng/u1
RT: 24.445 min Scan# 3557
Delta R.T. 0.009 min
Lab File: BG057251.D
Acq: 1 May 2023 14:02

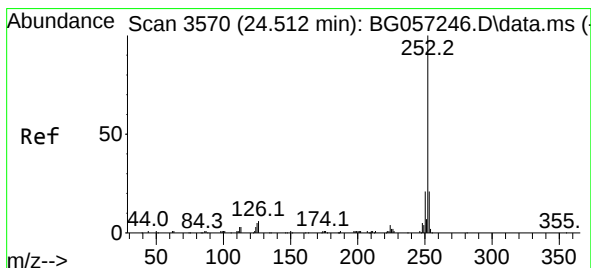
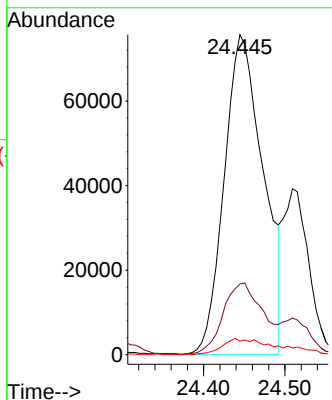
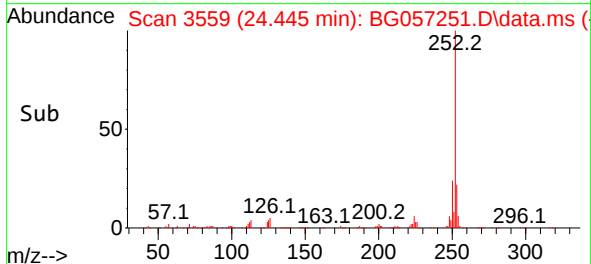
Instrument :
BNA_G
ClientSampleId :
EW902DL



Tgt Ion:252 Resp: 252680
Ion Ratio Lower Upper
252 100
253 22.1 16.7 25.1
125 4.2 4.8 7.2

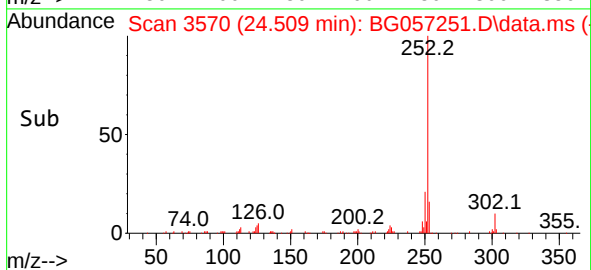
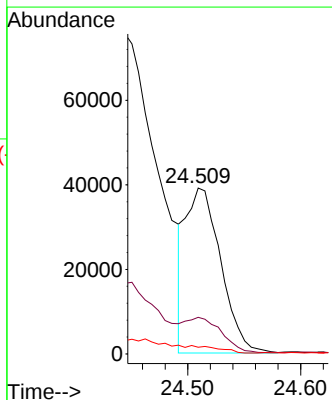
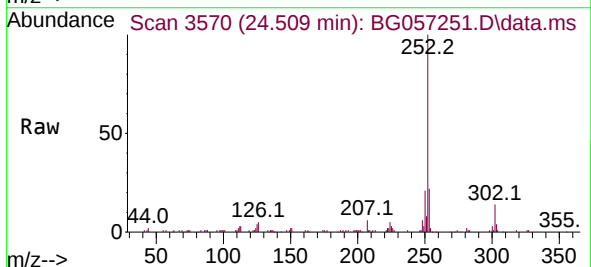
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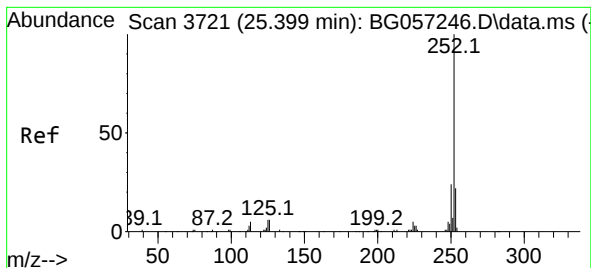
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#91
Benzo(k)fluoranthene
Concen: 10.858 ng/u1 m
RT: 24.509 min Scan# 3570
Delta R.T. -0.003 min
Lab File: BG057251.D
Acq: 1 May 2023 14:02

Tgt Ion:252 Resp: 84475
Ion Ratio Lower Upper
252 100
253 22.1 17.7 26.5
125 4.1 4.5 6.7





#93

Benzo(a)pyrene

Concen: 23.238 ng/u1

RT: 25.408 min Scan# 31

Delta R.T. 0.009 min

Lab File: BG057251.D

Acq: 1 May 2023 14:02

Instrument :

BNA_G

ClientSampleId :

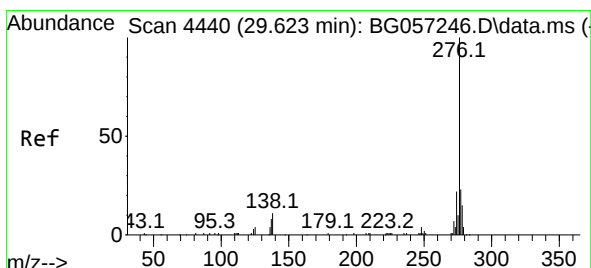
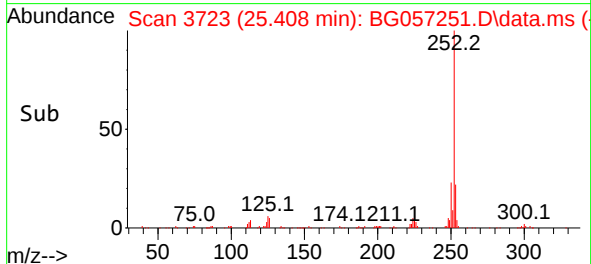
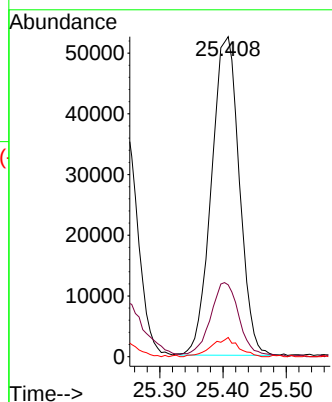
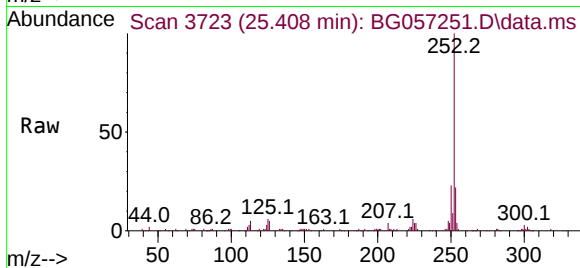
EW902DL

Tgt Ion:	252	Resp:	160424
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.2	25.8
125	6.0	5.1	7.7

Manual Integrations

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#94

Indeno(1,2,3-cd)pyrene

Concen: 13.747 ng/u1

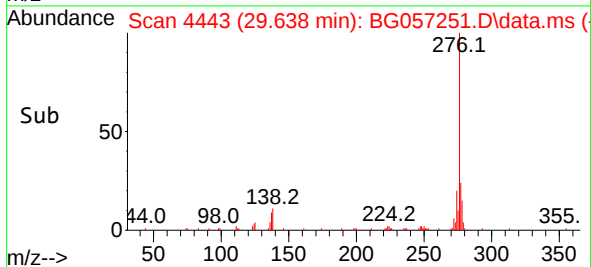
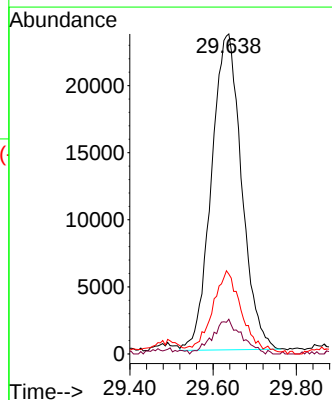
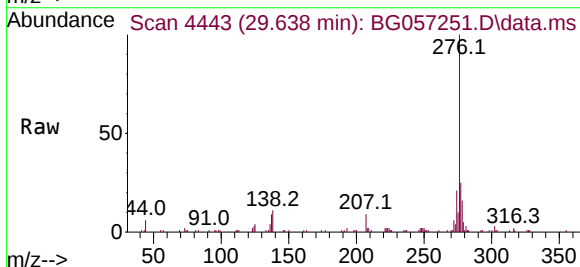
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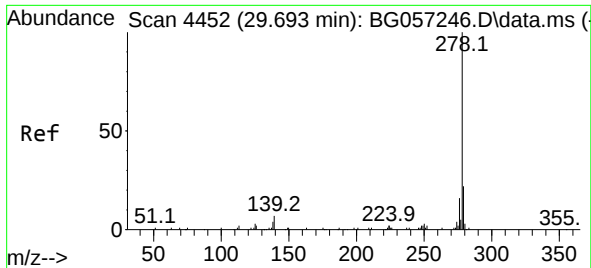
Delta R.T. 0.015 min

Lab File: BG057251.D

Acq: 1 May 2023 14:02

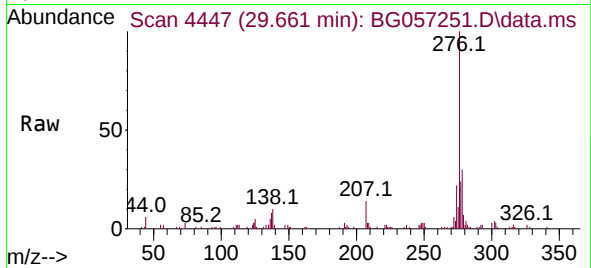
Tgt Ion:	276	Resp:	118635
Ion Ratio	Lower	Upper	
276	100		
138	10.8	9.4	14.2
277	25.0	18.6	28.0





#95
 Dibenzo(a,h)anthracene
 Concen: 4.382 ng/ul m
 RT: 29.661 min Scan# 4452
 Delta R.T. -0.032 min
 Lab File: BG057251.D
 Acq: 1 May 2023 14:02

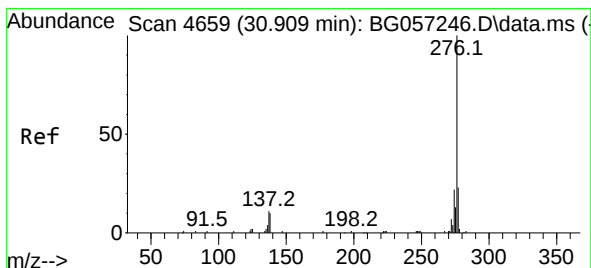
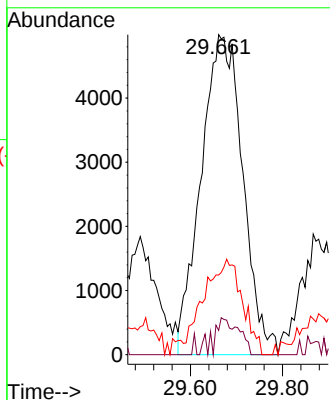
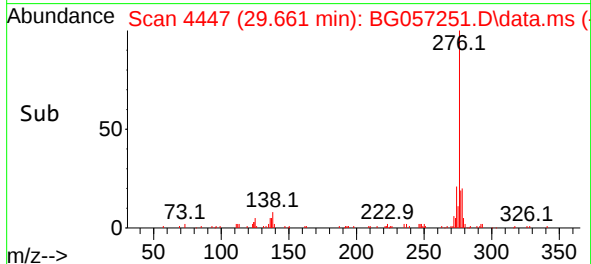
Instrument :
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Tgt Ion:278 Resp: 31359
 Ion Ratio Lower Upper
 278 100
 139 7.6 5.8 8.6
 279 24.9 18.3 27.5

Manual Integrations
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 Supervised By :Jagrut Upadhyay 05/02/2023



#96
 Benzo(g,h,i)perylene
 Concen: 13.700 ng/ul
 RT: 30.907 min Scan# 4659
 Delta R.T. -0.003 min
 Lab File: BG057251.D
 Acq: 1 May 2023 14:02

Tgt Ion:276 Resp: 95685
 Ion Ratio Lower Upper
 276 100
 138 10.6 8.7 13.1
 277 25.7 18.4 27.6

