

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050123\
 Data File : BG057249.D
 Acq On : 1 May 2023 12:41
 Operator : CG/JU
 Sample : 02418-29 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EW903

Manual Integrations
 APPROVED

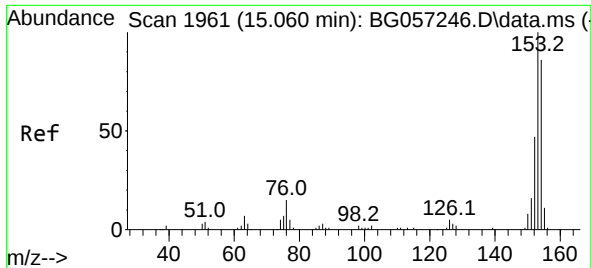
Reviewed By : Christian Giraldo 05/02/2023
 Supervised By : Jagrut Upadhyay 05/02/2023

Quant Time: May 01 22:57:54 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)

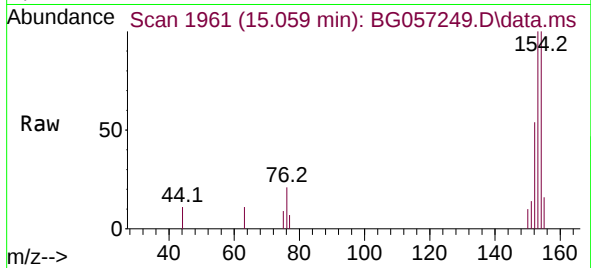
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.380	152	16029	20.000	ng/u1	0.00
20) Naphthalene-d8	11.218	136	70889	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.995	164	55594	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.732	188	133440	20.000	ng/u1	0.00
79) Chrysene-d12	22.050	240	114250	20.000	ng/u1	# 0.00
88) Perylene-d12	25.569	264	120612	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	7.517	99	3898	2.571	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.681	67	2806	3.147	ng/u1	0.00
11) 2-Chlorophenol-d4	7.910	132	3278	3.281	ng/u1	0.00
15) 4-Methylphenol-d8	9.085	113	2481	2.153	ng/u1	0.00
21) Nitrobenzene-d5	9.555	128	1650	2.923	ng/u1	0.00
24) 2-Nitrophenol-d4	10.295	143	2051	3.113	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.836	165	3880	3.052	ng/u1	0.00
31) 4-Chloroaniline-d4	11.358	131	1059m	0.629	ng/u1	0.01
46) Dimethylphthalate-d6	14.378	166	14602	3.315	ng/u1	0.00
49) Acenaphthylene-d8	14.689	160	16087	3.249	ng/u1	0.00
54) 4-Nitrophenol-d4	15.189	143	1014	1.581	ng/u1	0.01
60) Fluorene-d10	15.976	176	12833	3.127	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.099	200	1051m	1.329	ng/u1	0.00
73) Anthracene-d10	17.832	188	21162	3.474	ng/u1	0.00
81) Pyrene-d10	20.100	212	23408	3.452	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.322	264	21010	3.419	ng/u1	0.00
Target Compounds						
					Qvalue	
52) Acenaphthene	15.059	153	4213	1.175	ng/u1	87
61) Fluorene	16.035	166	7199	1.645	ng/u1	93
72) Phenanthrene	17.779	178	120247	17.304	ng/u1	99
74) Anthracene	17.867	178	25490	3.652	ng/u1	97
77) Carbazole	18.132	167	9218	1.580	ng/u1	94
80) Fluoranthene	19.765	202	303029	37.617	ng/u1#	96
82) Pyrene	20.129	202	254295	31.183	ng/u1	98
85) Benzo(a)anthracene	22.026	228	146669	18.151	ng/u1	99
87) Chrysene	22.097	228	139094	18.245	ng/u1	98
90) Benzo(b)fluoranthene	24.447	252	203516	24.366	ng/u1	99
91) Benzo(k)fluoranthene	24.505	252	70099m	8.627	ng/u1	
93) Benzo(a)pyrene	25.398	252	132274	18.344	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	29.616	276	92529	10.265	ng/u1	97
95) Dibenzo(a,h)anthracene	29.663	278	27215m	3.641	ng/u1	
96) Benzo(g,h,i)perylene	30.909	276	76759	10.522	ng/u1#	97

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



#52
Acenaphthene
Concen: 1.175 ng/ul
RT: 15.059 min Scan# 1961
Delta R.T. -0.001 min
Lab File: BG057249.D
Acq: 1 May 2023 12:41

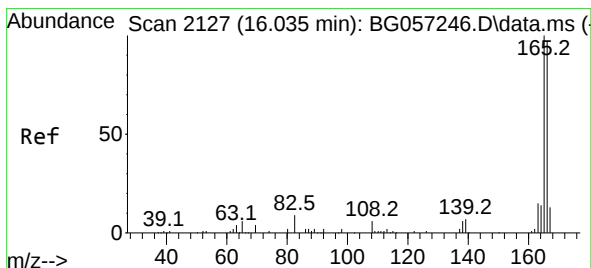
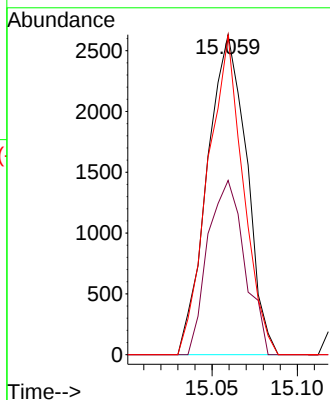
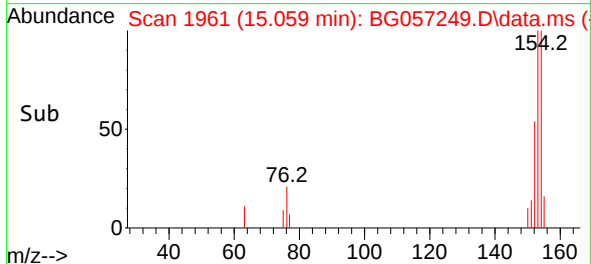
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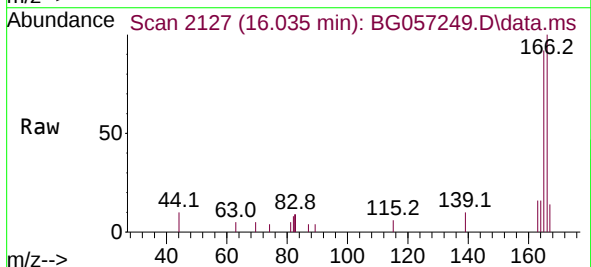
Tgt Ion:153 Resp: 421
Ion Ratio Lower Upper
153 100
152 54.4 36.5 54.7
154 99.7 70.6 106.0

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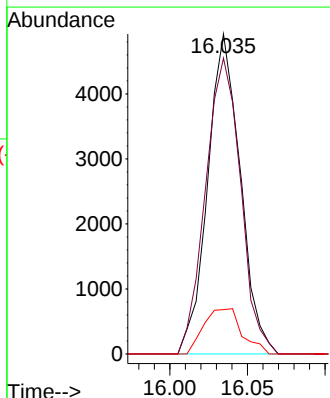
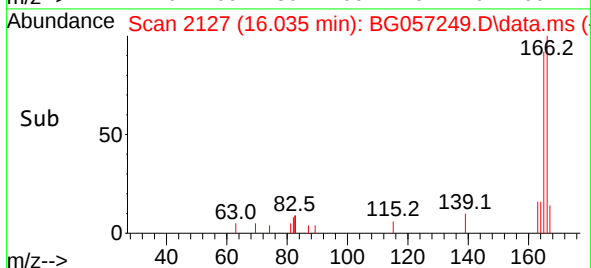
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023

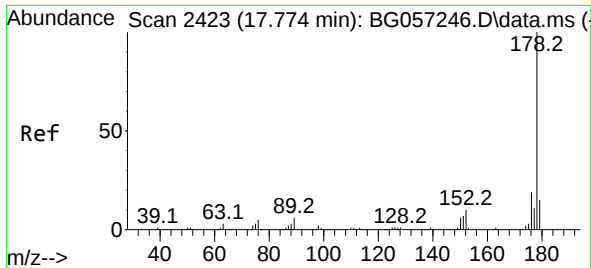


#61
Fluorene
Concen: 1.645 ng/ul
RT: 16.035 min Scan# 2127
Delta R.T. -0.001 min
Lab File: BG057249.D
Acq: 1 May 2023 12:41



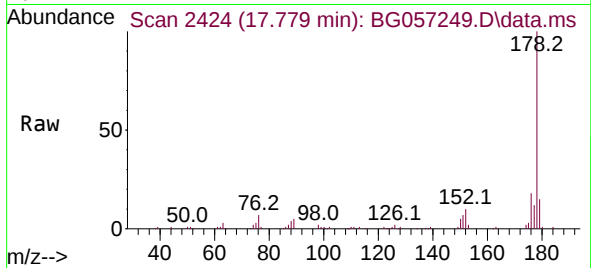
Tgt Ion:166 Resp: 7199
Ion Ratio Lower Upper
166 100
165 92.5 80.1 120.1
167 13.8 10.2 15.4





#72
Phenanthrene
Concen: 17.304 ng/ul
RT: 17.779 min Scan# 2423
Delta R.T. 0.005 min
Lab File: BG057249.D
Acq: 1 May 2023 12:41

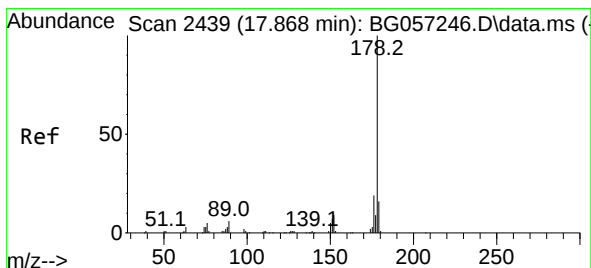
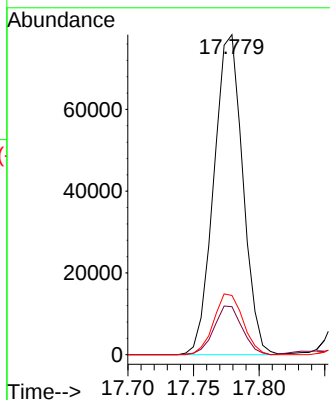
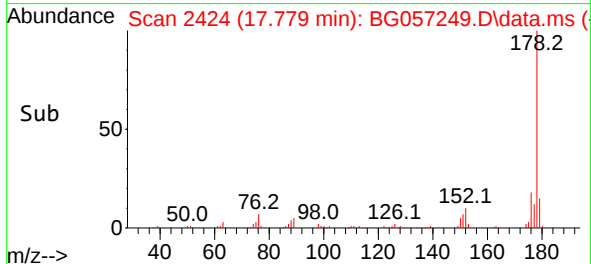
Instrument :
BNA_G
ClientSampleId :
EW903



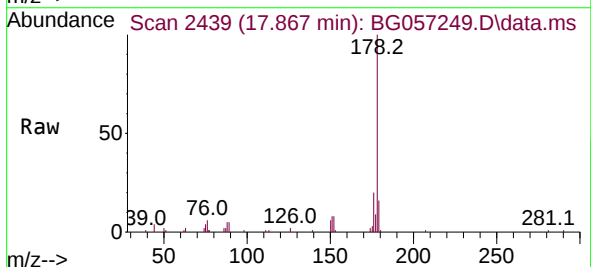
Tgt Ion:178 Resp: 12024
Ion Ratio Lower Upper
178 100
179 15.0 11.8 17.8
176 18.5 15.4 23.0

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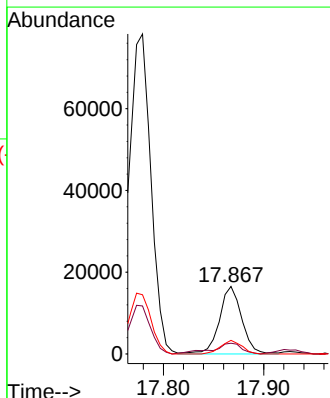
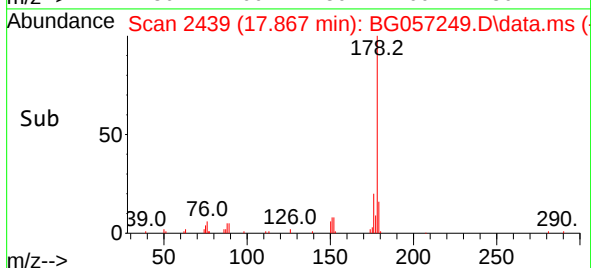
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023

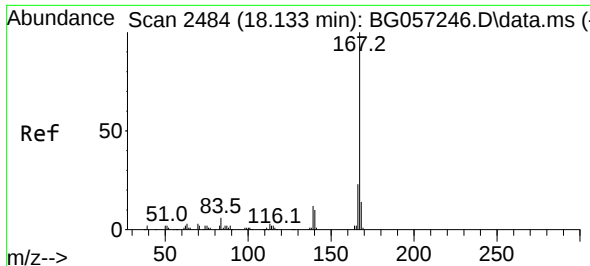


#74
Anthracene
Concen: 3.652 ng/ul
RT: 17.867 min Scan# 2439
Delta R.T. -0.001 min
Lab File: BG057249.D
Acq: 1 May 2023 12:41



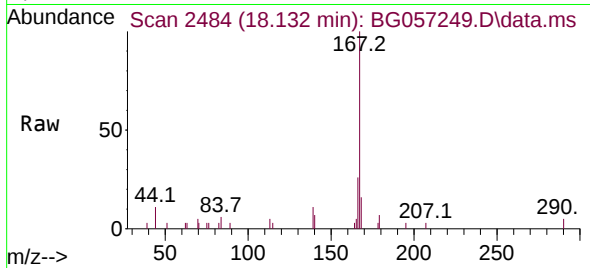
Tgt Ion:178 Resp: 25490
Ion Ratio Lower Upper
178 100
179 16.0 12.5 18.7
176 20.2 14.7 22.1





#77
 Carbazole
 Concen: 1.580 ng/ul
 RT: 18.132 min Scan# 2484
 Delta R.T. -0.001 min
 Lab File: BG057249.D
 Acq: 1 May 2023 12:41

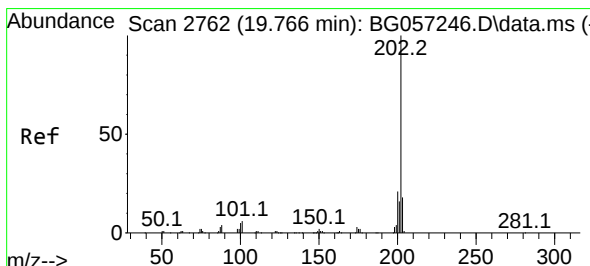
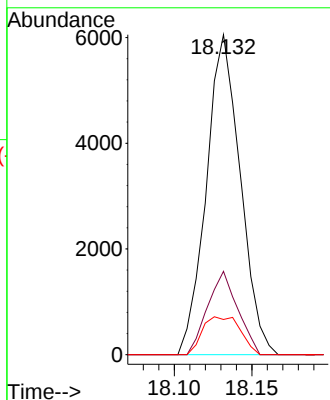
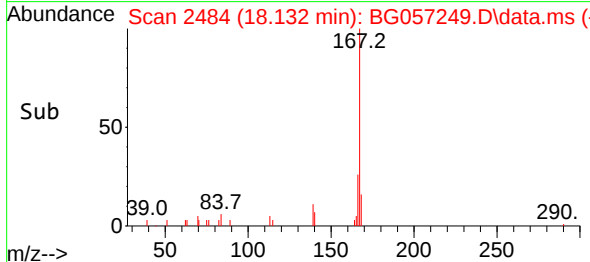
Instrument :
 BNA_G
 ClientSampleId :
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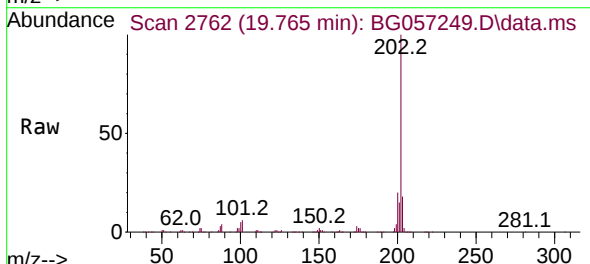
Tgt Ion:167 Resp: 9218
 Ion Ratio Lower Upper
 167 100
 166 26.1 18.0 27.0
 139 11.0 10.3 15.5

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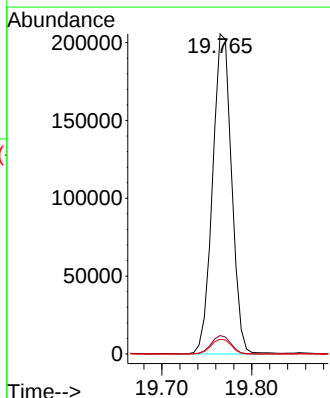
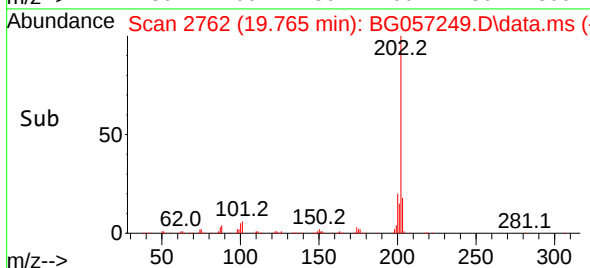
Reviewed By :Christian Giraldo 05/02/2023
 Supervised By :Jagrut Upadhyay 05/02/2023

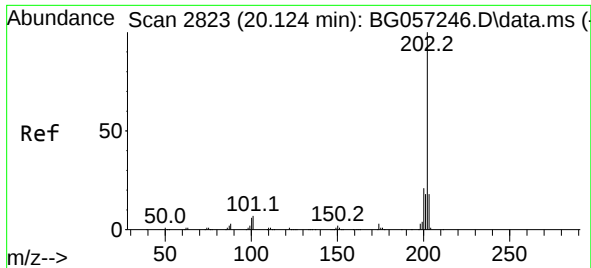


#80
 Fluoranthene
 Concen: 37.617 ng/ul
 RT: 19.765 min Scan# 2762
 Delta R.T. -0.001 min
 Lab File: BG057249.D
 Acq: 1 May 2023 12:41



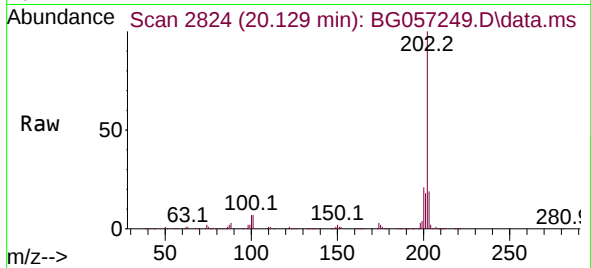
Tgt Ion:202 Resp: 303029
 Ion Ratio Lower Upper
 202 100
 101 5.8 5.8 8.6#
 100 4.6 4.6 7.0#





#82
 Pyrene
 Concen: 31.183 ng/ul
 RT: 20.129 min Scan# 20129
 Delta R.T. 0.005 min
 Lab File: BG057249.D
 Acq: 1 May 2023 12:41

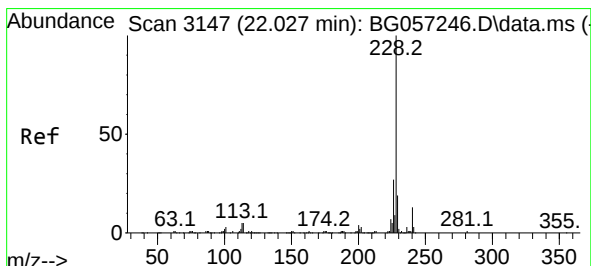
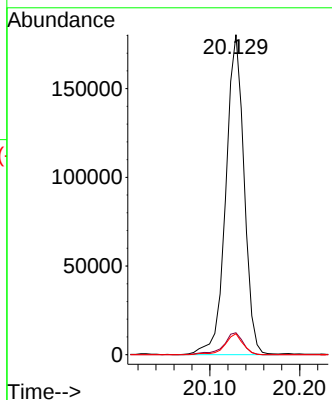
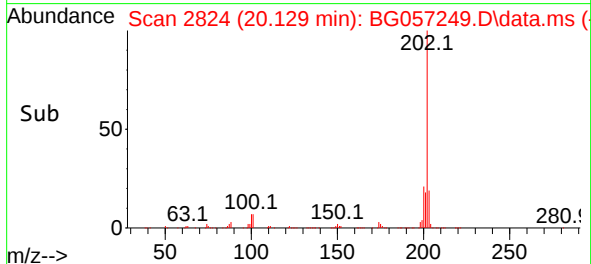
Instrument :
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 ClientSampleId :
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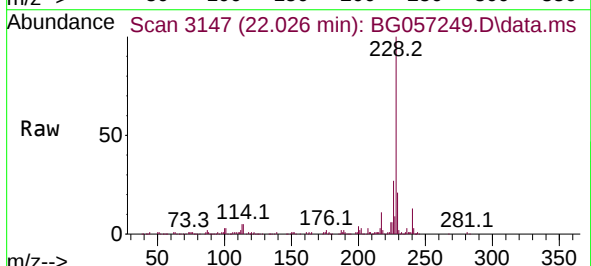
Tgt Ion:202 Resp: 25429
 Ion Ratio Lower Upper
 202 100
 101 6.9 5.7 8.5
 100 6.5 6.0 9.0

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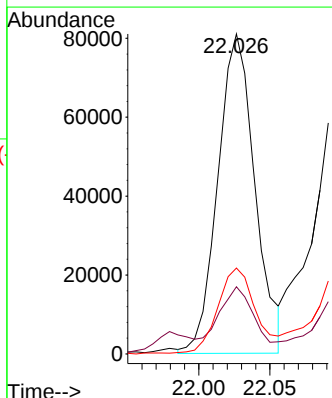
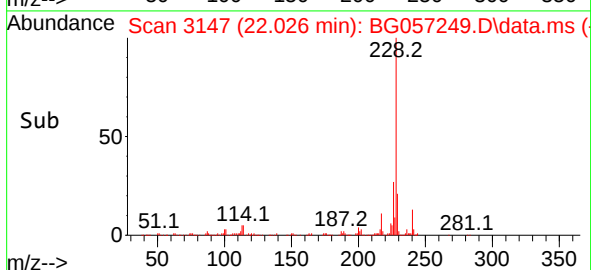
Reviewed By :Christian Giraldo 05/02/2023
 Supervised By :Jagrut Upadhyay 05/02/2023

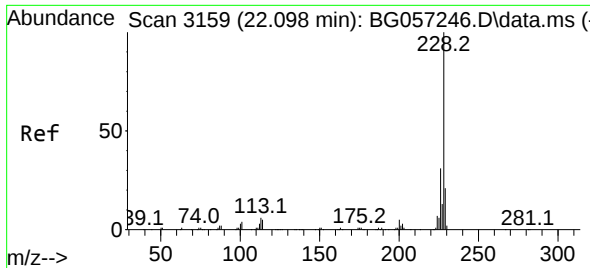


#85
 Benzo(a)anthracene
 Concen: 18.151 ng/ul
 RT: 22.026 min Scan# 3147
 Delta R.T. -0.001 min
 Lab File: BG057249.D
 Acq: 1 May 2023 12:41



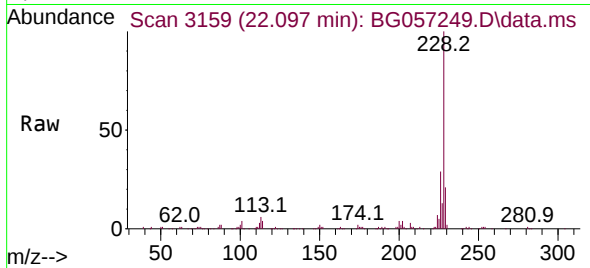
Tgt Ion:228 Resp: 146669
 Ion Ratio Lower Upper
 228 100
 229 21.0 15.8 23.6
 226 26.9 21.7 32.5





#87
Chrysene
Concen: 18.245 ng/uI
RT: 22.097 min Scan# 3159
Delta R.T. -0.001 min
Lab File: BG057249.D
Acq: 1 May 2023 12:41

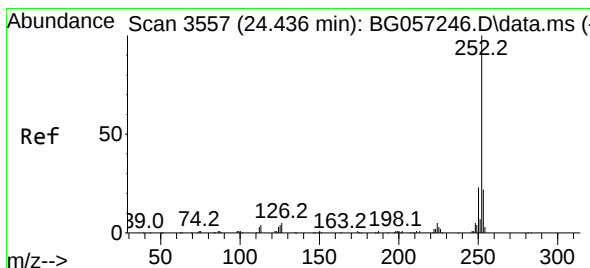
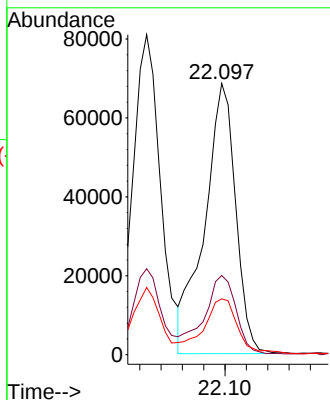
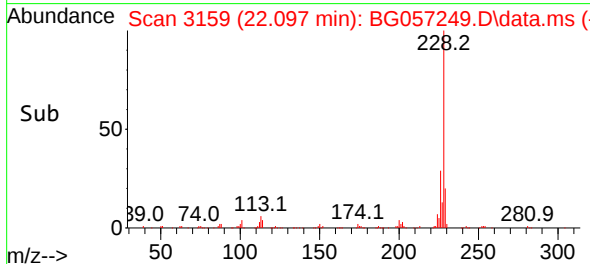
Instrument :
BNA_G
ClientSampleId :
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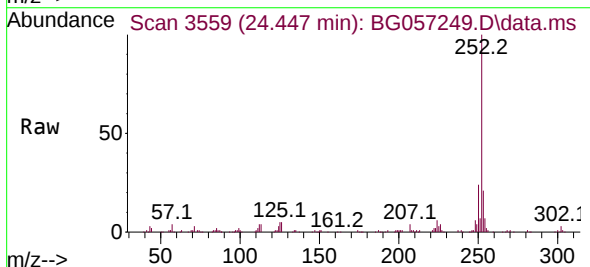
Tgt Ion:228 Resp: 139094
Ion Ratio Lower Upper
228 100
226 29.2 22.8 34.2
229 20.6 15.5 23.3

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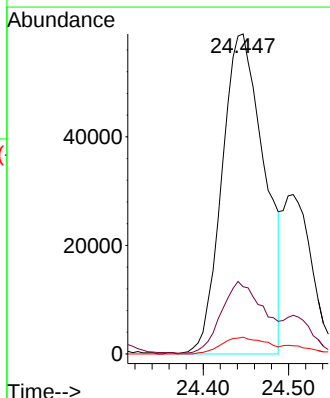
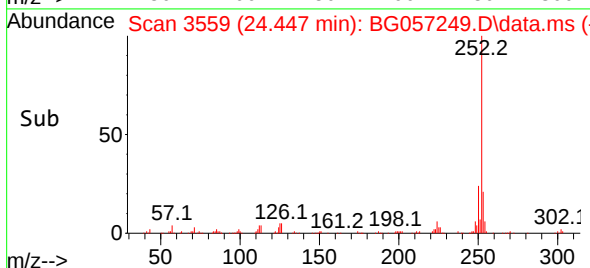
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023

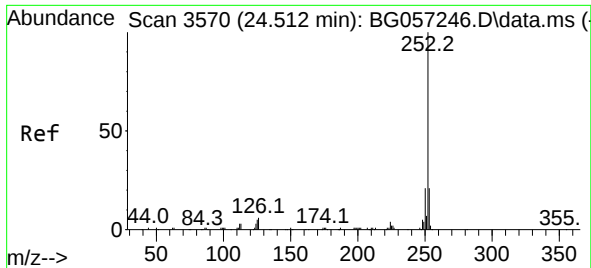


#90
Benzo(b)fluoranthene
Concen: 24.366 ng/uI
RT: 24.447 min Scan# 3559
Delta R.T. 0.011 min
Lab File: BG057249.D
Acq: 1 May 2023 12:41



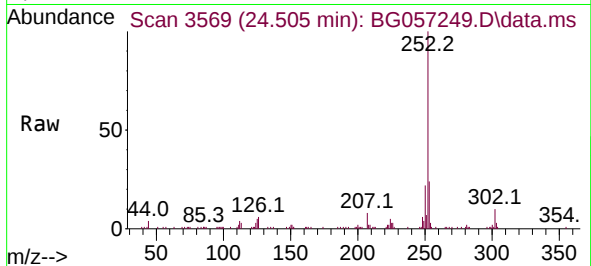
Tgt Ion:252 Resp: 203516
Ion Ratio Lower Upper
252 100
253 21.0 16.7 25.1
125 5.2 4.8 7.2





#91
Benzo(k)fluoranthene
Concen: 8.627 ng/ul m
RT: 24.505 min Scan# 3569
Delta R.T. -0.007 min
Lab File: BG057249.D
Acq: 1 May 2023 12:41

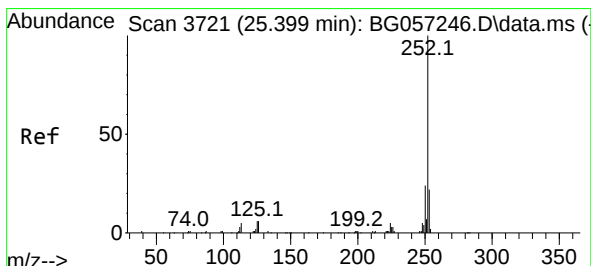
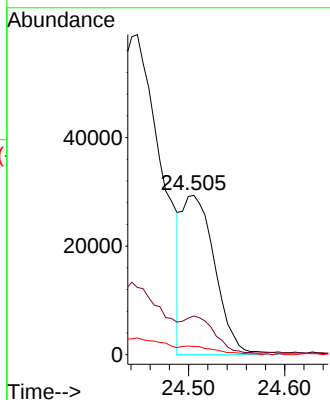
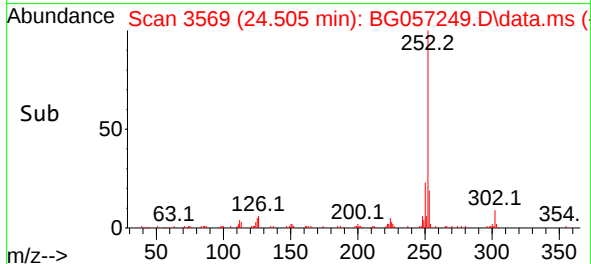
Instrument :
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EW903



Tgt Ion:252 Resp: 70099
Ion Ratio Lower Upper
252 100
253 24.3 17.7 26.5
125 5.1 4.5 6.7

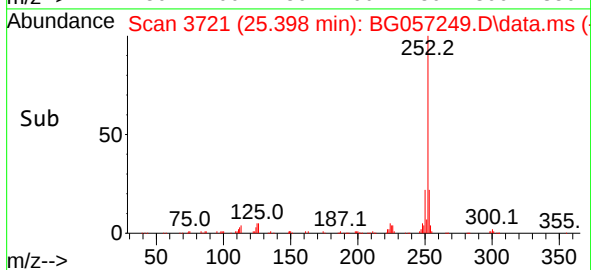
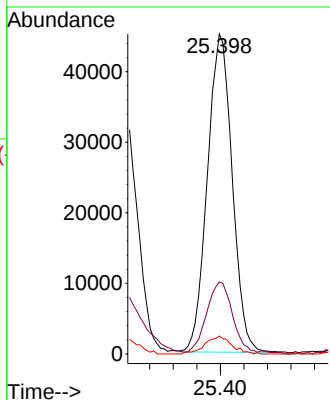
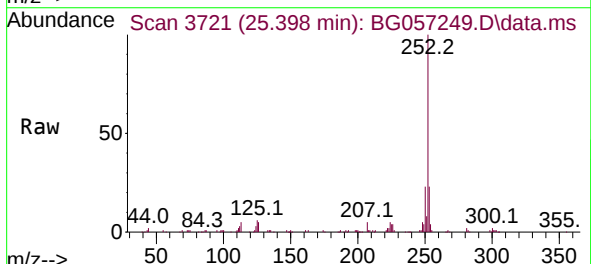
Manual Integrations
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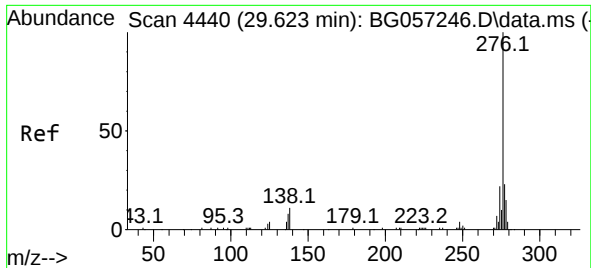
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#93
Benzo(a)pyrene
Concen: 18.344 ng/ul
RT: 25.398 min Scan# 3721
Delta R.T. -0.001 min
Lab File: BG057249.D
Acq: 1 May 2023 12:41

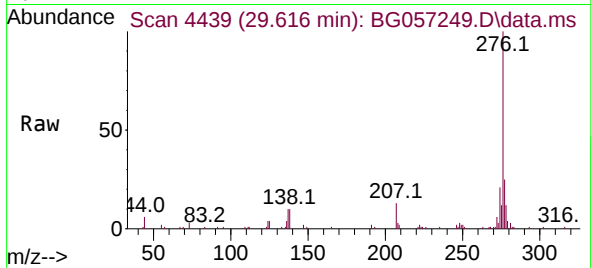
Tgt Ion:252 Resp: 132274
Ion Ratio Lower Upper
252 100
253 22.5 17.2 25.8
125 5.6 5.1 7.7





#94
 Indeno(1,2,3-cd)pyrene
 Concen: 10.265 ng/ul
 RT: 29.616 min Scan# 4440
 Delta R.T. -0.007 min
 Lab File: BG057249.D
 Acq: 1 May 2023 12:41

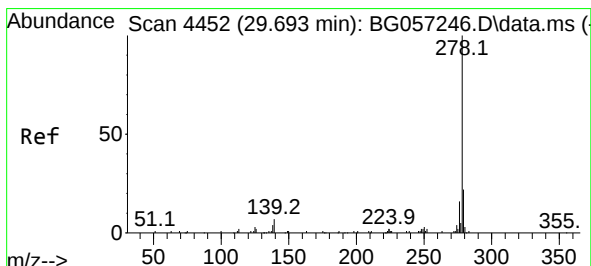
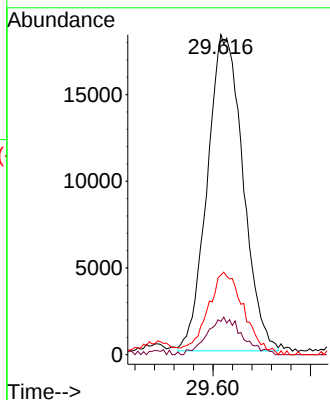
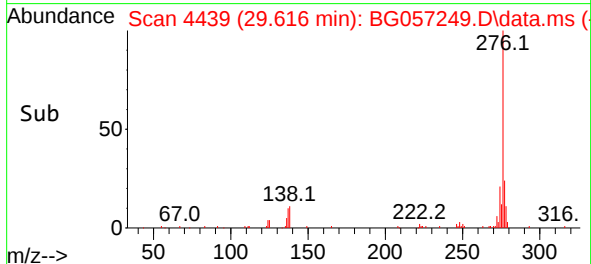
Instrument :
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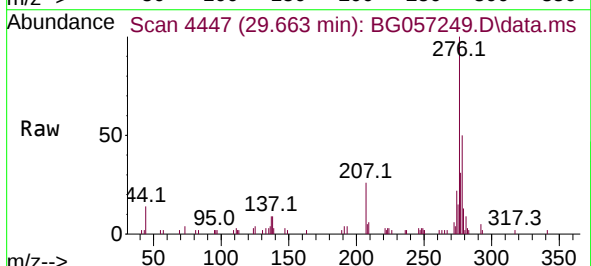
Tgt Ion:276 Resp: 92529
 Ion Ratio Lower Upper
 276 100
 138 10.4 9.4 14.2
 277 24.9 18.6 28.0

Manual Integrations
 APPROVED

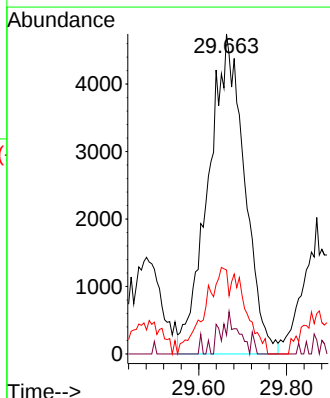
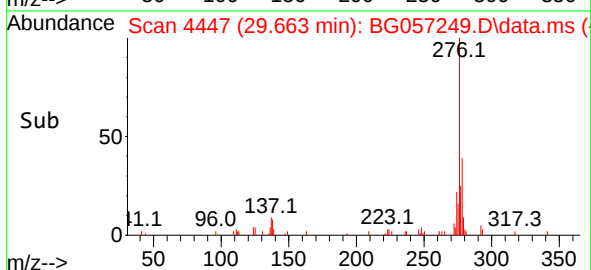
Reviewed By :Christian Giraldo 05/02/2023
 Supervised By :Jagrut Upadhyay 05/02/2023

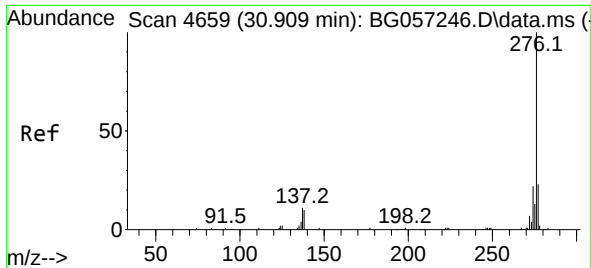


#95
 Dibenzo(a,h)anthracene
 Concen: 3.641 ng/ul m
 RT: 29.663 min Scan# 4447
 Delta R.T. -0.030 min
 Lab File: BG057249.D
 Acq: 1 May 2023 12:41



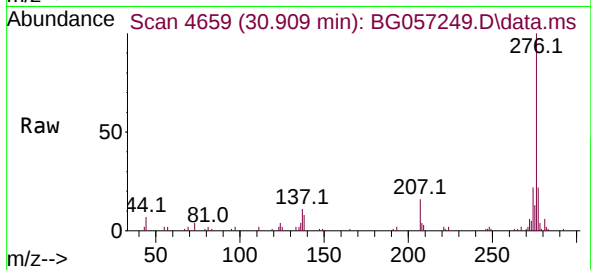
Tgt Ion:278 Resp: 27215
 Ion Ratio Lower Upper
 278 100
 139 5.9 5.8 8.6
 279 26.2 18.3 27.5





#96
 Benzo(g,h,i)perylene
 Concen: 10.522 ng/ul
 RT: 30.909 min Scan# 4659
 Delta R.T. -0.001 min
 Lab File: BG057249.D
 Acq: 1 May 2023 12:41

Instrument :
 BNA_G
 ClientSampleId :
 EW903



Tgt Ion:276 Resp: 76759
 Ion Ratio Lower Upper
 276 100
 138 8.1 8.7 13.1
 277 22.4 18.4 27.6

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